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PATENTS ISSUED

Patents	43,667—No.	2,580,379 to No.	2,624,045[1]	inclusive.
Designs	2,959—No.	165,568 to No.	168,526	inclusive.
Reissues	163—No.	23,449 to No.	23,611[2]	inclusive.
Plant Patents	101—No.	1,059 to No.	1,159	inclusive.

[1] Includes 51 withdrawn.
[2] Includes 1 withdrawn.

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LIST OF PATENTEES

This list includes reissue patentees

Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A B C Corrugated Box Company, assignee: *See*—
Lillie, Eugene F.

A. B. C. Coupler & Engineering Company, Limited, assignee: *See*—
Cosney, John C. G., and Smith.

ABC Vending Corporation, assignee: *See*—
Arnett, Leslie.

A. B. Strateg, assignee: *See*—
Von Korshenewsky, Nicolai.

A. B. Svenska Fläktfabriken, assignee: *See*—
Broberg, Georg K. J.
Ingve, Bror G. V.
Johanson, Erik, Bergvall, and Alfredsson.
Johansson, Erik, Bergvall, and Alfredsson.
Lindbergh, John H., and Larsson.
Lindh, Karl S., and Tureson.
Rygård, Sune O.

A/B Svenska Maskinverken, assignee: *See*—
Dalin, David.
Dalin, David, Hagby, and Wykman.

A. B. Wicanders Korkfabriker, assignee: *See*—
Broadhurst, Stanley F.

A. C. I. Plastics Proprietary Limited, assignee: *See*—
Fienberg, Nathan, and Calder.

A & J Machine Engineering Co., Inc., assignee: *See*—
Pratt, Arthur J.

A M I Incorporated, assignee: *See*—
Penkauskas, John E.

A-1 Bit & Tool Company, assignee: *See*—
Robishaw, Earl J.
Yancey, John R., and Robishaw.

A-1 Bit & Tool Company, Inc., assignee: *See*—
Denning, Charles O.

A P Controls Corporation, assignee: *See*—
Biermann, William A.
Biermann, William A., and Dulak.
Johnson, Roy W., and Heiser.
Johnson, Roy W., Zarwell, and McCarty.
McCarty, Lourdes V.
Pawelsky, Vernon R., McCarty, and Zarwell.
Pawelsky, Vernon R., and Rack.

A. P. W. Products Company, Inc., assignee: *See*—
Woods, Walter E., and Schenck.

A. R. D. Corporation, assignee: *See*—
Guelph, John D.

A/S Årdal Verk, assignee: *See*—
Dale, Halvard.
Pedersen, Knut H., and Bauck.

A/S Lendax Lubricator og Maskinindustri, assignee: *See*—
Lending, Magnus O.

A/S Norduco, assignee: *See*—
Dijkema, Jan H.
Dijkema, Jan H., and Pluim.
Kielland, Jacob, and Harang.

A. S. P. Chemical Company Limited, assignee: *See*—
Walsh, Conrad L., and Adams.

A. T. S. Company Limited, assignee: *See*—
Taylor, Roland F.

Aagaard, Fridtjof, Rahway, N. J., assignor to American Cyanamid Company, New York, N. Y. Throttling device. 2,582,917, Jan. 15.

Aagaard, Leif, Plainfield, and G. E. Bronson, Matawan, N. J., assignors to National Lead Company, New York, N. Y. Preparation of titanium and zirconium tetrahalides. 2,608,464, Aug. 26.

Aagaard, Leif, Plainfield, and S. S. Cole, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Chlorinating titaniferous material. 2,622,005, Dec. 16.

Aagaard, Leif, Plainfield, and L. W. Rowe, Fords, N. J., assignors to National Lead Company, New York, N. Y. Chlorinating titaniferous material. 2,622,006, Dec. 16.

Aagaard, Leif, Plainfield, and F. J. Schultz, Fords, N. J., assignors to National Lead Company, New York, N. Y. Hydrolyzing titaniferous solutions. 2,622,964, Dec. 23.

Aalseth, Kenneth D.: *See*—
Ramsbottom, John M., Grinstead, and Aalseth.

Aasland, Byron T., and J. V. Webster, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Lime spreader. 2,587,678, Mar. 4.

Aasland, John L., Moline, Ill., assignor to International Harvester Company. Snapping roll with mating spiral rubber ribs. 2,584,180, Feb. 5.

Abbe, Edward J., Cleveland Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Pallet stripping device for industrial trucks. 2,620,936, Dec. 9.

Abbe, George C.: *See*—
Miller, Charles C., Jr., and Abbe.

Abbenhouse, Ralph P., East Paterson, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Composite sync dissector. 2,615,979, Oct. 28.

Abbey, Nelson D., assignor to The Etna Machine Company, Toledo, Ohio. Tube cutting machine. 2,596,062, May 6.

Abbey, Nelson D., assignor to The Etna Machine Company, Toledo, Ohio. Tube chamfering and cutoff mechanism. 2,616,325, Nov. 4.

Abbey, Nelson D., assignor to The Etna Machine Company, Toledo, Ohio. Tube mill. 2,621,106, Dec. 9.

Abbink-Spaink, Johann H., Bradford, assignor to The English Electric Company Limited, London, England. Engine-driven electric generating plant. 2,583,131, Jan. 22.

Abblett, Jack V., assignee: *See*—
Hick, Harry J.

Abbott, Abbott: *See*—
Abbott, Alfred and Abbott.

Abbott, Albert L.: *See*—
Behrens, Herbert C., and Abbott.

Abbott, Alfred and Abbott Abbott, Albany, N. Y. Spray gun. 2,584,178, Feb. 5.

Abbott, Arthur R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating hides by application of pressure from diverse directions. 2,622,428, Dec. 23.

Abbott, Charles W., Larchmont, assignor to United States Rubber Company, New York, N. Y. Radiant heating installation. 2,608,634, Aug. 26.

Abbott, Charles W., Seattle, Wash., assignor, by decree of distribution, to I. M. Abbott. Processing methyl cellulose and the products thereof. 2,602,042, July 1.

Abbott, Edward J., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Slub catcher. 2,623,265, Dec. 30.

Abbott, Edward J., deceased, Wilton, N. H., by S. L. Abbott, executor, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Bobbin holder. 2,614,759, Oct. 21.

Abbott, Gail C., assignor to Grip Nut Company, South Whitley, Ind. Automatic work feeding mechanism. 2,596,109, May 13.

Abbott, Geoffrey J., Carshalton, assignor to Packers Supply Company Limited, New Malden, England. Strip tensioning apparatus. 2,622,844, Dec. 23.

Abbott, Hazel B., Washington, D. C. Copyholder and bookholder and line follower. 2,612,866, Oct. 7.

Abbott, Henry G.: *See*—
Breedlove, Harry B., and Abbott.

Abbott, Inez M., assignee: *See*—
Abbott, Charles W.

Abbott, James C., Los Angeles, Calif. Carburetor testing machine. 2,597,274, May 20.

Abbott, John H., South Gate, assignor to Utility Appliance Corporation, Los Angeles, Calif. Welding machine. 2,620,420, Dec. 2.

Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Fricke, Howard H.
Glenn, Howard J., and Horrom.
Matson, Edward J., and Clemence.
Moore, Marjorie B., and Stainbrook.
Ryan, George R., and McGrew.
Schenck, Jay R., and Clark.
Schubert, Maxwell.
Weston, Arthur W.
Young, Howard H., and Loper.

Abbott, Maurice H., Chicago, Ill. Disposable sandal of paper or the like. 2,614,341, Oct. 21.

Abbott, Olney J., Jr.: *See*—
Welte, Benedict, and Abbott.

Abbott, Olney J., Jr., Detroit, assignor to Colonial Broach Company, Township of Warren, Mich. Universal oil filter mounting for hydraulic machine tools. 2,619,231, Nov. 25.

Abbott, Paul D., Blytheville, Ark. Insertable and removable shirt pocket. 2,604,627, July 29.

Abbott, Samuel L., Wilton, assignor to Wilton Top Company, Inc., Milford, N. H. Textile combing. 2,602,194, July 8.

Abbott, Samuel L., executor: *See*—
Abbott, Edward J.

Abbott, Scott M., Chicago, Ill. Combined carrying and studying case. 2,585,209, Feb. 12.

Abbott, William G., Jr., Wilton, N. H. Thread separating. 2,620,546, Dec. 9.

Abbott Worsted Mills, Incorporated, assignee: *See*—
Abbott, Edward J.
Perry, Winthrop L.

Abdallah, Florence A.: *See*—
Azdallah, Subrey and F. A.

Abdallah, Subrey and F. A., Minneapolis, Minn. Automobile door safety latch. 2,595,436, May 6.

Abeel, Alan C., Jr., Roselle, and H. J. Hibshman, Plainfield, N. J., assignors to Standard Oil Development Company. Desulfurizing hydrocarbons with a mixture of ferric and chromic oxides. 2,581,061, Jan. 1.

Abegg & Reinhold Co., assignee: *See*—
Abegg, Walter A.
Spiri, Willy H.

Abegg, Walter A., assignor, by mesne assignments, to Abegg & Reinhold Co., Los Angeles, Calif. Safety clamp for drill collars. 2,591,763, Apr. 8.

Abel, Arthur B., Fairmont, Minn. Implement frame construction. 2,585,208, Feb. 12.

Abel, Frederick: *See*—
McNeill, Francis R., Grillot, and Abel.

Abel, George G.: *See*—
Swerdlow, Nathan, and Abel.

Abel, James A., and P. W. Mercer, assignors of one-third to J. A. Mercer, Chattanooga, Tenn. Pie making machine. 2,588,454, Mar. 11.

Abel, Marcel, and J. Lecocq, La Courneuve, France. Soil injection means. 2,619,055, Nov. 25.

Abel, Martin S., Walnut Creek, Calif. Syringe. 2,607,342, Aug. 19.

Abel, Pietro, (Abeles), assignee: *See*—
Nadal, Alessandro.

Abel, Rodolfo, (Abeles), assignee: *See*—
Nadal, Alessandro.

Abell, Donald E., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,586,284, Feb. 19.

Abell, Frank, Inglewood, Calif. Apparatus for observing operating characteristics of moving elements. 2,602,324, July 8.

Abell, Liese L., New York, N. Y., W. F. Bruce, Havertown, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Tertiary butyl amines and their preparation. 2,590,079, Mar. 25.

Abell, Rollin, Chatham, Mass. Engine driving mechanism. 2,589,470, Mar. 18

Abendroth, Guss F., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Well screen. 2,600,150, June 10.

Abercrombie, Alexander V., Taunton, Mass., assignor to Cromble Corporation. Smoking pipe bit construction. 2,605,771, Aug. 5.

Abercrombie, Alexander V., Taunton, Mass. Pipe with smoke baffle. 2,599,310, June 3.

Abercrombie, Charles W., Bridgeport, Conn., assignor, by mesne assignments, to Karen Products, Inc., New York, N. Y. Pressure cooker relief valve. 2,592,992, Apr. 15.

Aberle, Ernst, Lillehammer, Norway. Brush-making machine. 2,612,409, Sept. 30.

Aberle, Roy F., assignor to Southworth Machine Company, Portland, Maine. Conveyer mechanism for printing presses. 2,594,704, Apr. 29.

Aberle, Roy F., assignor to Southworth Machine Company, Portland, Maine. Control for stack supply and stack delivery for printing presses. 2,594,705, Apr. 29.

Aberle, Roy F., assignor to Southworth Machine Company, Portland, Maine. Sheet jogging mechanism for printing presses. 2,595,437, May 6.

Aberney Corporation, assignee: *See*—
Berney, Harold J.

Abildgaard, William H., assignor, by mesne assignments, to Livestock Sprayer Mfg. Co., San Jose, Calif. Livestock sprayer. 2,600,602, June 17.

Abington Textile Machinery Works, assignee: *See*—
Clark, Ernest.

Able, Edward T.: *See*—
Sweeney, John F., Able, and MacKay.

Able, Edward T., and W. Krieger, assignors to B. K. Sweeney Mfg. Co., Denver, Colo. Socket wrench extension. 2,600,177, June 10.

Ablett, Charles A., King's Lynn, England. Roller thrust bearing. 2,584,652, Feb. 5.

Abney, William G., Drexel, Mo., assignor of forty per cent to S. J. Hruska, Paola, Kans. Adjustable tractor wheel mounting. 2,584,410, Feb. 5.

Aboltin, Bernard, assignor to Mansfield Industries, Inc., Chicago, Ill. Film splicer. 2,611,723, Sept. 23.

Abplanalp, Arthur, London, England. Oscillating toy. 2,622,366, Dec. 23.

Abraham, Clyde T.: *See*—
Galbraith, William G., Williams, and Abraham.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Production of high-temperature heat insulating material. 2,602,754, July 8.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,618,228, Nov. 18.

Abraham, Lewis C., Anderghem-Brussels, Belgium. Scouring pad and manufacturing the same. 2,581,779, Jan. 8.

Abrahamson, Aladar: *See*—
Sors, Ivan, and Abrahamson.

Abrahamson, Carl H. A., Stockholm, Sweden. Remotely controlled toy vehicle. 2,620,596, Dec. 9.

Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Follower for card filing trays. 2,585,612, Feb. 12.

Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Typewriter support for desks. 2,614,011, Oct. 14.

Abrahamson, Edmund, Baldwin, N. Y. Magnetically operated game apparatus. 2,619,349, Nov. 25.

Abramowitz, Irving: *See*—
Picciano, Robert, and Abramowitz.

Abramowski, Bruno, Hamburg-Bergedorf, Germany. Machine for wrapping cigarettes. 2,608,039, Aug. 26.

Abrams, Harry, Philadelphia, Pa. Dispensing cap for collapsible tubes. 2,598,482, May 27.

Abrams, Ruby K., assignor of one-half to R. E. McLeod, Tampa, Fla. Indicating and recording device. 2,622,899, Dec. 23.

Abrams, Stanley T.: *See*—
Stross, Fred H., Abrams, and Moore.

Abrams, Stanley T., and F. H. Stross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease composition. 2,599,683, June 10.

Abrams, Victor R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas burner and flame deflector. 2,587,802, Mar. 4.

Abrams, Victor R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas burner with vertically spaced outlet slots. 2,621,722, Dec. 16.

Abramsen, Finn B., Whitehall, Pa. Knife sharpener. 2,605,595, Aug. 5.

Abramson, Paul T., assignor of one-third to T. H. Abramson and one-third to C. A. Carlson, Rockford, Ill. Truck dolly and jack. 2,600,720, June 17.

Abramson, Thomas H., assignee: *See*—
Abramson, Paul T.

Abrecht, James W.: *See*—
Abrecht, Rudy and J. W.

Abrecht, Rudy, Sacramento, and J. W. Abrecht, Whittier, Calif. Striking element for golf club practice. 2,606,027, Aug. 5.

Abresch, Carel F., assignor to General Motors Corporation, Dayton, Ohio. Fluid control apparatus. 2,587,080, Feb. 26.

Abreu, Henry J., assignor of one-half to A. O. Dupuy, Newburgh, N. Y. Brick unit form. 2,593,954, Apr. 22.

Abrey, John, Honolulu, Territory of Hawaii. Fishing gear. 2,605,570, Aug. 5.

Abruscato, Blaise, Ozone Park, N. Y. Dough kneader. 2,620,754, Dec. 9.

Absher, Henry J., Phoenix, Ariz. Layout spacer or instrument. 2,589,525, Mar. 18.

Acard, David, Brooklyn, N. Y. Bottle cap lifter with pivoted arms. 2,599,968, June 10.

Acco Mfg. Co., Inc., assignee: *See*—
Corbi, Alfred.

Ace Carton Corporation, assignee: *See*—
Eaton, Wilfred A.
Eaton, Wilfred A., and Sanford.
Casler, Roger H.

Aceves, Julius G.: *See*—
Amy, Ernest V., and Aceves.

Achenbach, John C., Haddonfield, N. J., assignor to Radio Corporation of America. Tunable band pass amplifier for television. 2,581,159, Jan. 1.

Achenbach, John C., Collingswood, N. J., S. I. Tourshou, Philadelphia, Pa., and D. Mackey, Haddon Heights, N. J., assignors to Radio Corporation of America. Band pass amplifier. 2,585,717, Feb. 12.

Achilli, Joseph: *See*—
Bronson, Gail M., Sr., and Achilli.

Acieries' Reunies de Burbach-Eich-Dudelange Societe Anonyme, assignee: *See*—
Schanck, August.

Ackell, Joseph J., Bellaire, N. Y., assignor, by mesne assignments, to Dow Jones & Company, Inc., Wilmington, Del. Apparatus for applying designs to surfaces. 2,601,356, June 24.

Ackell, Joseph J., Bellaire, and H. L. Paulding, Port Washington, N. Y., assignors to Dow Jones & Company, Inc., Wilmington, Del. Recording and accounting apparatus. 2,600,952, June 17.

Ackell, Joseph J., Bellaire, and H. L. Paulding, Port Washington, N. Y., assignors to Dow Jones & Company, Inc., Wilmington, Del. Postage printer for address printing machines. 2,622,514, Dec. 23.

Ackemann, Harold E., Elgin, Ill., assignor to Hotpoint Inc., Illuminated backsplasher for electric ranges. 2,609,476, Sept. 2.

Acker, Bruce O., Jr., Bessemer, Ala. Excavating apparatus. 2,606,013, Aug. 5.

Acker, George H., Shaker Heights, assignor to The Farval Corporation, Cleveland, Ohio. Lubricating mechanism. 2,600,178, June 10.

Acker, William L., Jr., Scranton, Pa. Rotary earth drill with fluid pressure feed. 2,598,203, May 27.

Ackerlind, Erik, Santa Monica, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Electrooptical pulse generator. 2,580,498, Jan. 1.

Ackerman, Arthur, New Rochelle, N. Y. Bag-filling device with vibratable bag support. 2,622,780, Dec. 23.

Ackerman, Carl L., Mount Healthy, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television picture window construction. 2,618,695, Nov. 18.

Ackerman, Charles, Hackensack, N. J. Safety razor. 2,614,321, Oct. 21.

Ackerman, Dolletta M., Los Angeles, Calif. Hair tonic and curling fluid dispensing comb. 2,601,858, July 1.

Ackerman, Dolletta M., Los Angeles, Calif. Massaging equipment. 2,619,278, Nov. 25.

Ackerman, Harold B., Jr., Brooklyn, and B. C. Culbertson, New York, N. Y. Rainwear. 2,620,477, Dec. 9.

Ackerman, Harry, Reinbeck, Iowa. Wire tying tool. 2,623,424, Dec. 30.

Ackerman, Howard B., Rockville Centre, N. Y. Rotary electromagnetic positioning device. 2,611,799, Sept. 23.

Ackerman, Morris, New York, N. Y. Fountain toothbrush. 2,592,099, Apr. 8.

Ackermann, Edward H., Milwaukee, Wis. Air distributing nozzle. 2,606,074, Aug. 5.

Ackermann, Franz, Binningen, assignor to Ciba, Limited, Basel, Switzerland. Amino-coumarin-sulfonates. 2,600,375, June 17.

Ackermann, Franz, Binningen, Switzerland, assignor to Ciba Limited. Detergent compositions containing amilocoumarins. 2,610,152, Sept. 9.

Ackermann, Franz, Binningen, and J. Meyer, Basel, Switzerland, assignors to Ciba Limited. Detergent composition containing dilmidazoles. 2,604,454, July 22.

Ackermann, Frederick: *See*—
Van Tuyl, Thomas, and Ackermann.

Ackermann, Joseph A., Cleveland Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Pump and motor hydraulic system and electrical control circuits therefor. 2,611,246, Sept. 23.

Ackermann, Otto, Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,586,285, Feb. 19.

Ackermann, Otto, Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,593,955, Apr. 22.

Ackermans, John W. J., Detroit, Mich. Let-down type automobile top. 2,596,355, May 13.

Ackermans, John W. J., Detroit, Mich. Door and window structure for convertible bodies. 2,596,356, May 13.

Ackley, Ervin L.: *See*—
Bath, John C., and Ackley.

Ackley, Harry A., Sewickley, Pa., and R. N. Perkins, Omaha, Nebr. Upflow pressure diatomite filtering apparatus. 2,600,458, June 17.

Ackley, Ralph W., Minneapolis, Minn. Means for isolating teeth from moisture during dental operations. 2,623,284, Dec. 30.

Ackley, Raymond E., Evanston, assignor to W. F. Hall Printing Company, Chicago, Ill. Gluing device. 2,615,422, Oct. 28.

Ackley, Warren C., assignee: *See*—
Arnold, Junior K.

Acklin Stamping Company, The, assignee: *See*—
McCormick, Charles E.

Ackroyd, Archie M., New Hope, Pa., assignor to Standard Oil Development Company. Valve for compressed acetylene. 2,592,371, Apr. 8.

Ackroyd, Norvik: *See*—
Taylor, Arthur W. C., and Ackroyd.

Acme Aluminum Alloys, Inc., assignee: *See*—
Cooper, Hugh S.

Acme Electric Corporation, assignee: *See*—
Havasi, Emil A.

Acme Scientific Company, assignee: *See*—
Dauber, Joseph.

Acme Shear Company, assignee: *See*—
Lincoln, Alden A.
Wheeler, Henry C.

Acme Sheet Metal Works, assignee: *See*—
Suhr, Herman W.

Acme Slide Fastener Co. Ltd., assignee: *See*—
Yaffe, Eli A.

Acme Steel Company, assignee: *See*—
Crim, Elmo P.
MacChesney, Chester M.
Stanius, Godfrey.

Acme Venetian Blind Company, assignee: *See*—
Schaefer, Edward E.

Acme Visible Records, Inc., assignee: *See*—
Hall, Marchand B.

Acocello, Domenick, Los Angeles, Calif. Door latch. 2,596,003, May 6.

Acro Manufacturing Co., The, assignee: *See*—
Jacobs, Phillip C., Jr.

Acrotorque Company, The, assignee: *See*—
Orshansky, Elias, Jr., Southack, and Kahn.

Acrow (Engineers) Limited, assignee: *See*—
Hobbs, Archibald A.

Actiengesellschaft Joh. Jacob Rieter & Cie, assignee: *See*—
Hoffmann, Walter.
Just, Christian.
Naegeli, Werner.
Strässler, Karl.
Wildbolz, Rudolf.

Action Buffs, Inc., assignee: *See*—
Seelenfreund, Louis M.

Acton, Russel D., Chicago, Ill. Hydraulic lift. 2,582,896, Jan. 15.

Acton, Russel D., Chicago, Ill. Tractor operated dump rake. 2,592,841, Apr. 15.

Acton, Russel D., Chicago, Ill. Implement control for tractor-connected implements. 2,611,305, Sept. 23.

Acuazzo, Vito J., Philadelphia, Pa. Latch. 2,587,582, Mar. 4.

Acumuladores Vulcania S. A., assignee: *See*—
Vlarengo, João P.

Acu-Rule Manufacturing Company, assignee: *See*—
Boos, Wilfred J.

Adair, Adolphus G., Fort Worth, Tex. Wheel adaptable to different hubs. 2,590,363, Mar. 25.

Adair, Keith M., Eugene, Oreg. Two-way liquid seal trap. 2,605,015, July 29.

Adair, William L.: *See*—
Alderson, Ernest A., and Adair.

Adam, Robert G. S., London, England. Soil block molding machine. 2,616,144, Nov. 4.

Adamo, Fiorentino, Providence, R. I., assignor to Oriental Glass & Novelty Company, Inc. Button loop forming mechanism. 2,593,083, Apr. 15.

Adams, A. H. S., assignee: *See*—
Rubinoff, Abraham L.

Adams, Arthur L., Ensenada, P. R. Truck unloading apparatus. 2,603,366, July 15.

Adams, Arthur R., Glendale, E. D. Grizzard, and F. R. Collar, Los Angeles, assignors to Adams Rite Manufacturing Company, Glendale, Calif. Flush handle type trailer door lock. 2,622,430, Dec. 23.

Adams, Basil A.: *See*—
Walsh, Conrad L., and Adams.

Adams, Berne C., Mehoopany, Pa. Hay drying machine. 2,593,401, Apr. 22.

Adams, Bruce P., Wilmette, assignor to Pelouze Manufacturing Company, Evanston, Ill. Scale structure. 2,593,237, Apr. 15.

Adams, Bruce P., Evanston, J. Palma, Jr., Berwyn, and J. G. Knapp, Lombard, assignors to Pelouze Manufacturing Company, Evanston, Ill. Ripper for seams or the like. 2,610,399, Sept. 16.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Valve construction. 2,608,376, Aug. 26.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Apparatus for forming ceramic articles. 2,618,833, Nov. 25.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,618,933, Nov. 25.

Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Control valve for hydraulic apparatus. 2,619,118, Nov. 25.

Adams, Charles A., Davenport, Iowa. Ball bearing. 2,614,898, Oct. 21.

Adams, Charles A., Monticello, N. Y. Horizontal gyratory roll crusher. 2,582,734, Jan. 15.

Adams, Charles C., New York, assignor to Davis & Geck, Inc., Brooklyn, N. Y. Flexible suture tube package with embedded tear string. 2,611,483, Sept. 23.

Adams, Chester E., Highland, Ind., W. A. Proell and E. G. Ballweber, assignors to Standard Oil Company, Chicago, Ill. Alkylation process. 2,585,983, Feb. 19.

Adams, Chester E., Highland, Ind., and R. A. Dinerstein, assignors to Standard Oil Company, Chicago, Ill. Fractionation of organic compounds by adduct formation. 2,588,602, Mar. 11.

Adams, Clarence R., Montrose, R. C. Sherwood, West Hollywood, and B. D. Mouron, San Marino, Calif., assignors, by mesne assignments, to said Sherwood and said Mouron. Accelerator brake control. 2,610,716, Sept. 16.

Adams, Clark E., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Reforming naphtha with activated carbon catalyst. 2,587,425, Feb. 26.

Adams, Clark W., assignee: *See*—
Whitlock, William R.

Adams, Clifford B., and F. E. Wallin, assignors to National Rejectors, Inc., St. Louis, Mo. Change maker and circuit therefor. 2,585,718, Feb. 12.

Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 4-dialkylaminophthalic anhydride. 2,597,965, May 27.

Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. Educational device. 2,618,866, Nov. 25.

Adams Corporation, Korn Kurls Division, assignee: *See*—
Heigl, Cyrus H.

Adams, David H., Whitinsville, Mass. Window cleaning and the like device. 2,590,913, Apr. 1.

Adams, Dennis A. W., and G. Fawthrop, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrazolopyridines. 2,584,314, Feb. 5.

Adams, Edgar W., Jr., Fair Lawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decoder for pulse code modulation receivers. 2,592,228, Apr. 8.

Adams, Eli J., Rogersville, Mo. Hydraulic lift. 2,591,489, Apr. 1.

Adams, Eli J., Rogersville, Mo. Loading and unloading device. 2,592,993, Apr. 15.

Adams, Eli J., Springfield, Mo. Hydraulic hoist. 2,615,584, Oct. 28.

Adams, Florence C.: *See*—
Adams, Thomas J. and F. C.

Adams, Francis V.: *See*—
Brand, Samuel, and Adams.

Adams, Frank, Milwaukee, Wis., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic pressure power device. 2,587,803, Mar. 4.

Adams, Frank H. and W. P., Shaker Heights, Ohio. Apparatus for nebulizing. 2,605,764, Aug. 5.

Adams, Frederic H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Pigments from 2-chloro-5-aminoethylbenzene-4-sulfonic acid and beta naphthol. 2,598,483, May 27.

Adams, Frederick J., Philadelphia, Pa. Combination chum pot, bottom sounder, and bait bucket. 2,614,358, Oct. 21.

Adams, George P., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Runout detector for filament handling apparatus. 2,580,387, Jan. 1.

Adams, Grover E., Vermont, Ill. Loading and unloading unit for lift trucks. 2,595,320, May 6.

Adams, Harold A., Isabella, Calif., assignor to Latent Energy Motor Corporation. Magnetic impulse motor. 2,623,187, Dec. 23.

Adams, Harold B., Mission, Kans., and M. C. Peters, Salt Lake City, Utah. Variable volume pump. 2,581,160, Jan. 1.

Adams, Harold E., Norwalk, assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,581,828, Jan. 8.

Adams, Harold E., Norwalk, assignor to Nash Engineering Company, South Norwalk, Conn. Bearing seal assembly. 2,598,484, May 27.

Adams, Harry D., Allston, assignor to J. D. Ramsey, Watertown, Mass., in trust. Method and apparatus for making knitted fabrics. 2,590,914, Apr. 1.

Adams, Ida N., administratrix: *See*—
Adams, John W.

Adams, Isaac C., assignee: *See*—
Hamby, Walter W.

Adams, Ivan R., Columbus, Ohio. Circular saw with adjustable arbor-receiving openings. 2,600,459, June 17.

Adams, James, Jr., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Making flexible power transmission belts. 2,620,016, Dec. 2.

Adams, James F., St. Louis, R. L. Bauer, Brentwood, and G. E. Taylor, assignors to Monsanto Chemical Company, St. Louis, Mo. Apparatus for conditioning high temperature chemical fusion reactions and operations. 2,610,109, Sept. 9.

Adams, James L., Euclid, Ohio. Iron holder. 2,603,438, July 15.

Adams, James S., Long Beach, and P. E. Wilson, Tujunga, Calif. Device for separating oil from water. 2,598,746, June 3.

Adams, James W.: *See*—
Leukhardt, William H., Jr., and Adams.

Adams, James W., Seymour, Conn., assignor to United States Rubber Company, New York, N. Y. Coagulation of synthetic rubber latices. 2,607,753, Aug. 19.

Adams, James W., Oxford, and J. A. Reynolds, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Shortstopping of butadiene-1,3 emulsion polymerization. 2,616,875, Nov. 4.

Adams, Joe R., Cookeville, Tenn. Helmet with face guarding means. 2,611,897, Sept. 30.

Adams, John M., Atlanta, Ga. Cigarette lighter. 2,580,499, Jan. 1.

Adams, John M., Atlanta, Ga. Slitted resilient closure for containers. 2,585,527, Feb. 12.

Adams, John M., Atlanta, Ga., assignor to J. R. Gammeter, Akron, Ohio. Article-dispensing package. 2,619,226, Nov. 25.

Adams, John Q.: *See*—
Kyle, Joseph H., Adams, and Brunner.

Adams, John R., Jr.: *See*—
Salvin, Victor S., and Adams.

Adams, John W., Bradley Beach, N. J. Coil packaging. 2,596,970, May 20.

Adams, John W., deceased; by I. N. Adams, administratrix, Bridgeport, Conn. Tool press and operating means therefor. 2,602,507, July 8.

Adams, Kenneth H.: *See*—
Doelling, George L., and Adams.

Adams, Leo B., Muskogee, Okla. Cotton sample wrapping table. 2,603,926, July 22.

Adams, L. S., Engineering, Inc., assignee: *See*—
Smith, Edward W.

Adams, Loyd: *See*—
Stupin, Peter J., and Adams.

Adams, Loyd H., Waverly, Iowa. Road maintenance machine. 2,611,598, Sept. 23.

Adams, Marjory, Laguna Beach, Calif. Portable protective screen and carrier therefor. 2,615,459, Oct. 28.

Adams, Merrill L., Modesto, Calif. Irrigation signal device. 2,591,037, Apr. 1.

Adams, Orlando P., McKeesport, Pa., and R. G. Mayer, Hendersonville, N. C., assignors to United States Steel Company. Internal pipe aligning clamp. 2,615,413, Oct. 28.

Adams, Orlando P., McKeesport, Pa., and R. G. Mayer, Hendersonville, N. C., assignors to United States Steel Company. Internal pipe aligning clamp. 2,615,414, Oct. 28.

Adams, Paul R.: *See*—
Busignies, Henri G., and Adams.
Deloraine, Edmond M., and Adams.

Adams, Paul R., Cranford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray tube screen filter. 2,590,080, Mar. 25.

Adams, Pauline R.: *See*—
Shearer, Rose M., and Adams.

Adams, Philip N., Compton, Calif. Stabilized pipe repair clamp. 2,599,882, June 10.

Adams, Pierrepont: *See*—
Thurston, Jack T., and Adams.

Adams, Richard C.: *See*—
Shanklin, Dunbar L., and Adams.

Adams Rite Manufacturing Company, assignee: *See*—
Adams, Arthur R., Grizzard, and Collar.
Grizzard, Earle D., Colar, and Mitchell.

Adams, Robert J.: *See*—
Guarino, Pasquale A., Adams, Fraumann, and Dobler.

Adams, Robert J., Washington, D. C., and L. R. Dobler, U. S. Navy. Capacitive rotatable coupler. 2,602,118, July 1.

Adams, Robert R., and R. D. Wortendyke, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Tracer valve mechanism with dashpot. 2,620,823, Dec. 9.

Adams, Robert T., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for feeding and distributing electrical cordage. 2,598,485, May 27.

Adams, Robert T., Chatham, N. J., and J. A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing electrical cordage. 2,613,426, Oct. 14.

Adams, Robert T., Chatham, N. J., and J. A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,613,427, Oct. 14.

Adams, Robert W., and C. L. Taylor, Wheatridge, Colo. Switch device for Christmas tree lights. 2,611,065, Sept. 16.

Adams, Spencer M.: *See*—
Clark, James R., and Adams.

Adams, Stephen J., Swoyersville Borough, Luzerne County, assignor of one-half to A. J. Kane, Wilkes-Barre, Pa. Adjustable cardholder support. 2,584,179, Feb. 5.

Adams, Thomas J. and F. C., Willow Grove, Pa. Colostomy belt. 2,618,265, Nov. 18.

Adams, Wallace A., Petaluma, Calif. Folding box. 2,588,455, Mar. 11.

Adams, William B., assignor of one-third to G. Hallmark and one-third to Oliver K. K. Nelson, Turlock, Calif. Gate latch. 2,609,223, Sept. 2.

Adams, William J., assignee: *See*—
Albright, John C.

Adams, William J., Jr., Grafton, and D. E. Fischer, Cedar Grove, Wis., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Snowplow construction. 2,590,143, Mar. 25.

Adams, William P.: *See*—
Adams, Frank H. and W. P.

Adamson, Frank M.: *See*—
Cadwell, Clarence J., and Adamson.

Adamson, Robert E.: *See*—
Capp, Frank M., and Adamson.

Adamson United Company, assignee: *See*—
Austin, Russell A.

Adas, Thomas L., Chicago, Ill. Bobby pin reconditioning device. 2,590,364, Mar. 25.

Adcock, MacDonald: *See*—
Marston, Arthur E., and Adcock.

Adcock, Mack D.: *See*—
Marston, Arthur E., and Adcock.

Addison, Edward C., Westville, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa. Ash handling apparatus. 2,617,690, Nov. 11.

Addlesburger, Roy T., McKees Rocks, Pa. Flush tank deodorizer. 2,620,486, Dec. 9.

Addressograph-Multigraph Corporation, assignee: *See*—
Benes, Gaspar P.
Bernhag, Carl R.
Comegys, Courtney L., and Haig.
Davis, Fred H.
Gollwitzer, Walter T.
Gollwitzer, Walter T., and Brewster.
Gruver, John H.
Hueber, Carl J.
Morse, Lawrence H.
Nau, Wilmer H.
Seward, Percy R.
Smith, Clyde.

Adel Precision Products Corp., assignee: *See*—
Oliver, Wilbur C.

Adelaar, Hans H.: *See*—
Den Hertog, Martinus, and Adelaar.

Adelman, Robert L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of acetals. 2,586,139, Feb. 19.

Adelson, David E.: *See*—
Evans, Theodore W., Adelson, and Whitehill.

Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Nitrogen-containing organic compounds and their preparation. 2,599,737, June 10.

Adelson, David E., and H. Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymers of allyl alkyl carbonates. 2,595,214, May 6.

Adelson, David E., Berkeley, and R. G. Larsen, Albany, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition containing the reaction product of biuret and aliphatic esters of hydroxy acids. 2,599,736, June 10.

Adelson, David E., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Separating the azeotropic mixture of allyl alcohol and allyl acetate. 2,605,216, July 29.

Adelson, Samuel L., assignor to Infilco Incorporated, Tucson, Ariz. Telemetric transmitter. 2,623,112, Dec. 23.

Aden, Clarence E., Adams, Nebr. Toggle-actuated pivoted jaw wrench. 2,587,673, Mar. 4.

Aden, Clarence E., Adams, Nebr. Toggle-actuated, pivoted jaw wrench. 2,605,663, Aug. 5.

Aden, Wilbur, Golden, Ill. Rolled wire attachment for vehicles. 2,616,636, Nov. 4.

Ader, Andre, assignee: *See*—
Lacoste, Paul C.

Adessa, Dorothy R.: *See*—
Finlay, Walter L., and Adessa.

Adey, Stanworth W., and F. W. B. Porter, Sunbury on Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,604,436, July 22.

Adhesive Development Co., assignee: *See*—
Thiene, Carl G., and Avery.

Adkins, John M.: *See*—
Vacquier, Victor V., and Adkins.

Adlake Company, The, assignee: *See*—
Pressnall, Charles A.

Adler, Alphons, New York, N. Y. Stock recording system. 2,592,100, Apr. 8.

Adler, André, and R., Paris, France. Feeding and cutting means for forming fasteners. 2,593,715, Apr. 22.

Adler, Bernard, Haddon Heights, N. J., assignor to Radio Corporation of America. Energy storage counter. 2,619,618, Nov. 25.

Adler, Charles, Jr., Baltimore, Md. Aircraft position lamp for projecting a full circle high intensity light spread. 2,605,384, July 29.

Adler, Estelle, New York, N. Y. Suction applying therapeutic apparatus. 2,597,966, May 27.

Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Speed responsive device with modifier. 2,598,960, June 3.

Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Governor for internal-combustion engines. 2,603,472, July 15.

Adler, Julius, Chicago, Ill. Producing random color patterns. 2,615,270, Oct. 28.

Adler, Lee E., Dallas, Tex. Control system for carrier telecommunication circuits. 2,590,746, Mar. 25.

Adler, Leon, H. A. Reinhardt and E. E. Ponath, assignors to Dyestuffs and Chemicals, Inc., St. Louis, Mo. Butter coloring tablet and coloring butter. 2,600,381, June 17.

Adler, Richard W.: *See*—
Rosenthal, Daniel, Adler, and Nathan.

Adler, Robert: *See*—
Adler, André and R.

Adler, Robert, assignor to Consolidated Electric Company, Chicago, Ill. Translating apparatus and follow-up system. 2,583,535, Jan. 29.

Adler, Robert, assignor to Consolidated Electric Company, Chicago, Ill. Follow-up apparatus and system. 2,583,720, Jan. 29.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Electron discharge device. 2,600,300, Aug. 5.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Electron discharge device. 2,611,879, Sept. 23.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Deflection control electron discharge device. 2,615,142, Oct. 21.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Converter. 2,616,033, Oct. 28.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Radio receiving apparatus. 2,616,034, Oct. 28.

Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Signal translating apparatus. 2,616,036, Oct. 28.

Adler, Robert, assignor to Consolidated Electric Company, Chicago, Ill. Follow-up apparatus and system. 2,623,943, Dec. 30.

Adler, Robert, and J. G. Spracklen, Chicago, Ill., assignors to Zenith Radio Corporation. Radio receiver employing a single tube amplifier-converter. 2,616,035, Oct. 28.

Admiral Corporation, assignee: *See*—
Aylor, Elmo E.
Bleam, Howard A., Singleman, and Miller.
Burrise, Andrew H.
Fields, George.
Iwashita, George K.
Morton, Evans T.
Morton, Evans T., and Geever.
Morton, Evans T., and Heidenblut.
Redfield, George E.
Tarantur, Sam, and Harrigan.

Adney, Thomas H. L., assignee: *See*—
Austen-Walton, John I.

Adolfson, George S., Jersey City, N. J. Clearance indicating arm. 2,584,777, Feb. 5.

Adolite Mfg., Inc., assignee: *See*—
O'Gorman, William F.

Adrema Limited, assignee: *See*—
Sanderson, Thomas E. F.

Adrema Maschinenbau G. m. b. H., assignee: *See*—
Ostwaldt, Erich.

Adrian, Joseph, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio. Paper drilling machine or the like. 2,595,438, May 6.

Adrien, Edmond J., Lynn, Mass. Resilient toolholder. 2,596,110, May 13.

Advance Products Co., assignee: *See*—
Stuart, Homer B.

Advance Solvents & Chemical Corporation, assignee: *See*—
Mack, Gerry P.
Mack, Gerry P., and Parker.

Advertising Metal Display Co., assignee: *See*—
Ellerson, Eli N.

Aeberhard, Rudolf, Bern, Switzerland. Indicating device for periodical measurings. 2,584,778, Feb. 5.

Aelion, René, Brooklyn, N. Y., assignor to Organico, Paris, France. Synthetic polymers from hydroxy amino acids. 2,600,953, June 17.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Surface coating material. 2,608,538, Aug. 26.

Aeolian-Skinner Organ Company, Inc., assignee: *See*—
Harrison, John M.

Aeppli, Albert, assignor to Maag-Zahnrader und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Apparatus for testing gear teeth. 2,585,528, Feb. 12.

Aeresol Corporation of America, assignee: *See*—
Dautrebande, Lucien A. J.

Aerick, Calven, Los Angeles, Calif. Treatment mask. 2,591,992, Apr. 8.

Aero Supply Mfg. Co., Inc., assignee: *See*—
Downey, George T.
Suska, Charles R.

Aerocem Limited, assignee: *See*—
Mollo, Eugene.

Aerojet Engineering Corporation, assignee: *See*—
Plaut, Herman.

Aerol Co., Inc., assignee: *See*—
Gaines, Frank E.

Aeroquip Corporation, assignee: *See*—
Merriman, Henry H.

Aerosol Corporation of America, assignee: *See*—
Dautrebande, Lucien.

Aerotec Corporation, The, assignee: *See*—
Mejean, Jacques G.
Pegg, Edward H. R., and Ross.

Aerovox Corporation, assignee: *See*—
Kahn, Louis.

Aero Zipp Fasteners Limited, assignee: *See*—
Backer, Joachim.

Aeschlimann, Ernst: *See*—
Humfeld, Harry, Aeschlimann, and Hoffman.

Aeschlimann, Hans, assignor to Societe Anonyme des Ateliers de Secheron, Geneva, Switzerland. Converter. 2,617,975, Nov. 11.

Aetna-Standard Engineering Company, The, assignee: *See*—
Matteson, Elwin A.
Rodder, William.
Rodder, William, Strock, and Heym.
Snyder, Perry G., and Gordon.
Strock, Donald V.

Afco-Lite Corporation, assignee: *See*—
Rusnak, William, and Stoll.

Affel, Herman A., Jr., assignor to Philco Corporation, Philadelphia, Pa. Electromagnetic wave transmissive structure. 2,607,009, Aug. 12.

Affel, Herman A., and J. B. Maggio, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television converter system. 2,608,617, Aug. 26.

Affiliated Gas Equipment, Inc., assignee: *See*—
Buck, Robert M.
Campbell, Donald A., and Buck.
Cartter, William G.
Horn, Artemus J.
Teller, William R.

Affleck, Theodore H., North Hollywood, assignor to Homer T. Seale, Inc., Los Angeles, Calif. Relay emergency air brake valve. 2,586,196, Feb. 19.

Africano, Alfred: *See*—
Bradford, Eliot B., Africano, and Hickman.

Africano, Alfred, Weehawken, N. J., assignor to the United States of America as represented by the Secretary of War. Rotating nozzle for rockets. 2,611,317, Sept. 23.

Agapetus, Napoleon A., Port Neches, R. R. Reese, Austin, Tex., and L. P. Scoville, Crestwood, assignors to Jefferson Chemical Company, Inc., New York, N. Y. Purification of crude ethylene dichloride. 2,589,212, Mar. 18.

Agar, Kenneth C., Ann Arbor, assignor to Clinton Machine Company, Clinton, Mich. Fuel and air mixing device. 2,618,474, Nov. 18.

Agerton, Joseph T., Upper Montclair, N. J., assignor to American Can Company, New York, N. Y. Sifter top container with rotatable closure for covering and uncovering sifter openings therein. 2,605,027, July 29.

Aget Manufacturing Company, assignee: *See*—
Gilmore, Harry L.

Aggen, Alvin F., Camarillo, Calif. Apparatus for thinning plants and killing extraneous vegetation. 2,587,950, Mar. 4.

Agin, Julius, Bergenfield, N. J., assignor to P. O. Stewart, Bronxville, N. Y. Tachometer device. 2,598,874, June 3.

Agin, Julius, Bergenfield, N. J., assignor to Patterson O. Stewart, Bronxville, N. Y. Testing device for voltage and current regulators. 2,611,806, Sept. 23.

Agin, Julius, River Edge, N. J., assignor to P. O. Stewart, Bronxville, N. Y. Flow measuring device. 2,619,076, Nov. 25.

Agins, George: *See*—
Davis, Arthur P., and Agins.

Agnew, Robert J., Pawling, assignor to The Texas Company, New York, N. Y. Polyester copolymers. 2,584,315, Feb. 5.

Agnew, Robert J., Pawling, assignor to The Texas Company, New York, N. Y. Copolymers of diallyl endomethylene tetrahydrophthalate and an unsaturated mixed polyester. 2,584,316, Feb. 5.

Agnew, Robert J., Pawling, assignor to The Texas Company, New York, N. Y. Copolymers of polyesters and conjugated dienes. 2,595,625, May 6.

Agnifilo, Vincent: *See*—
Robinson, Jerome A., and Agnifilo.

Agombar, Arthur B.: *See*—
Agombar, Edward D. and A. B.

Agombar, Edward D. and A. B., Fort William, Ontario, Canada. Nonslip ladder base. 2,623,679, Dec. 30.

Agrashell, Inc., assignee: *See*—
Ayers, Joseph W.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Alexander, Kliem, and Schniepp.
Altschul, Aaron M., and Castillon.
Altschul, Aaron M., Condon, and Lambou.
Ault, Waldo C., Nutting, and Weil.
Babcock, Glen E., Johnsen, and Smith.
Beckel, Arthur C., and Cowan.
Beckel, Arthur C., Cowan and Belter.
Benedict, Robert G., and Stodola.
Blom, Russell H., Sohns, and Moyer.
Burr, Horace K., and Bailey.
Busby, Hibbard S., and Ward.
Campbell, Tod W., and Coppinger.
Carson, John F.
Clark, Frederick E.
Clark, Thomas F.
Cordon, Theone C., and Wickerham.
Couch, James F., and Krewson.
Cowan, John C., and Evans.
Cowan, John C., Evans, and McKinney.
Cowan, John C., and Teeter.
Crocker, Charles K., Moyer, and Pfeifer.
Daul, George C., and Reid.
Evans, Cyril D., Schwab, and Cowan.
Fein, Martin L., and Fisher.
Filachione, Edward M., Fein, and Fisher.
Fisher, Charles H., and Fein.
Fisher, Charles H., Filachione, and Fein.
Fisher, Charles H., Zief, and Hockett.
Goldblatt, Leo A., McConnell, and Summers.
Graham, Robert P., Thompson, and Shepherd.
Heisler, Edward G., and Treadway.
Hendel, Carl E.
Humfeld, Harry.
Humfeld, Harry, Aeschlimann, and Hoffman.
Jeanes, Allene R., and Wilham.
Jones, Harrison W., Thorsen, and Lundgren.
Kaplan, Arthur M., and Solowey.
Keating, John F. and E. J.
Kline, Leo, and Sonoda.
Knight, Hogan B.
Lathrop, Elbert C., and Naffziger.
MacMasters, Majel M., Baird, and Rist.
MacMasters, Majel M. and Hoaglund.
Malkames, James P., Jr.
Mast, William C., and Fisher.
Mast, William C., Rehberg, and Fisher.
Masure, Mortimer P.
McCready, Rolland M., and Silveira.
McKinney, Leonard L., and Cowan.
McKinney, Leonard L., Uhing, Setzkorn, and Cowan.
Montgomery, Edna M., Conway, and Weakley.
Morris, Herman J.
Owens, Harry S., and Schultz.
Port, William S., Jordan, and Swern.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—Continued.
Rehberg, Chessie E.
Rist, Carl E., Davis, and Wolff.
Roberts, Robert L.
Roe, Edward T., and Swern.
Rusca, Ralph A., and Young.
Schwab, Arthur W., Evans, and Cowan.
Schwab, Arthur W., Moser, and Evans.
Schwartz, Joseph H., Talley, Zief, and Fisher.
Schwimmer, Sigmund, and Balls.
Shaw, Ralph R.
Shaw, Thomas M.
Swern, Daniel, Roe, and Scanlan.
Teeter, Howard M.
Thompson, Chester R.
Van Atta, George R.
Van Atta, George R., Kester, and Olcott.
Ward, Kyle, Jr., Conrad, and Segal.
Webb, Byron H., and Walton.
Wolff, Ivan A., Davis, Cluskey, and Gundrum.
Woods, Lyle C., and Teeter.
Wrigley, Arthur N., Yanovsky, and Nichols.
Young, Frank E., and Jones.
Zief, Morris, and Yanovsky.

Agro Phosphate Company, assignee: *See*—
Greening, Standlee.

Agruss, Meyer S.: *See*—
Goldsbarry, Albert W., and Agruss.

Ahearn, Arthur J., Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bombardment induced conductivity in solid insulators. 2,604,596, July 22.

Ahern, Jack A., executor, assignee: *See*—
Wilson, Frank C.

Aherne-Heron, John, Farnham Common, Buckinghamshire, assignor to Aviation Developments Limited, Welwyn Garden City, Herts, England. Riveting gun and magazine therefor. 2,592,636, Apr. 15.

Ahier, Georges C., Montmorency, and P. Buffet, Saint-Didier-au-Mont-d'Or, France. Phase and frequency modulation. 2,581,780, Jan. 8.

Ahier, Georges C., A. V. Champagnat, and J. F. M. Tirmont, Paris, France. Manufacturing fabrics having a support backing and upstanding pile. 2,602,765, July 8.

Ahlborn, Clarence E., assignor to Jackson & Church Company, Saginaw, Mich. High-pressure steam kiln. 2,583,073, Jan. 22.

Ahlbrecht, Arthur H., White Bear Township, Ramsey County, and D. R. Husted, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Perfluoroalkyl isocyanates. 2,617,817, Nov. 11.

Ahlburg, Frank, Los Angeles, Calif. Bag closure. 2,598,334, May 27.

Åhlén, Karl G., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Plant-setting machine. 2,620,757, Dec. 9.

Åhlén, Karl G., Stockholm, and T. A Ödman, Saltsjö-Duvnas, Sweden, assignors to Svenska Rotor Maskiner Aktiebolag. Effecting heat exchange between a rotating solid body and a gaseous medium, particularly for cooling fluid transmissions with rotating casings. 2,611,248, Sept. 23.

Ahlfors, Sten E. E., Hedemora, Sweden. Apparatus for automatic periodic cleaning of straining members. 2,581,781, Jan.

Ahlgren, Axel W.: *See*—
Borchers, Earl M., and Ahlgren.

Ahlgren, Erick L., Houston, Tex. Fluid content gauge for lighters. 2,609,692, Sept. 9.

Ahlgren, Erick L., Houston, Tex. Gun. 2,621,732, Dec. 16.

Ahlgrim, John F., Palatine, Ill. Cutting disk for lawn mowers. 2,598,091, May 27.

Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Method and apparatus for grinding by the use of grinding bodies subjected to centrifugal force. 2,592,994, Apr. 15.

Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Method and apparatus for grinding. 2,595,117, Apr. 29.

Ahlmeyer, Harvey, assignor of one-half to R. Lunger, Ogallala, Nebr. Thresher attachment. 2,589,318, Mar. 18.

Ahlmeyer, Heinz, Tappan, and W. D. Sherman, West Nyack, assignors to Robert Gair Company, Inc., New York, N. Y. Carton folding apparatus and method. 2,616,341, Nov. 4.

Ahlstrand, Axel P., Worcester, Mass. Spoonholder. 2,597,275, May 20.

Ahlstrand, David A., Atlanta, Ga. Spindle dumper. 2,610,654, Sept. 16.

Ahlstrand, David A., Atlanta, Ga. Spindle bumper and impact nose therefor. 2,616,454, Nov. 4.

Ahlstrand, Gustav R., and K. A. Lagerkvist, Stockholm, Sweden. Ticket printing machine. 2,604,846, July 29.

Ahlstrom, Harvey D., and E. N. Foltz, Oneida, Wis. General utility clamp. 2,596,111, May 13.

Ahlstrom, Harvey D., and E. N. Foltz, Minocqua, Wis. Mixing valve. 2,608,350, Aug. 26.

Aho, John, assignee: *See*—
Niessen, Herman.

Aho, William J., Garson Mine, Ontario, Canada. Suspension-type chimney brush. 2,602,177, July 8.

Ahrendt Instrument Company, assignee: *See*—
Clark, James A., and Ferguson.

Ahrens, Fredrick J., Oakland, Calif. Weaving loom. 2,613,691, Oct. 14.

Aicher, Alfred A., assignor to Petrocarbon Limited, London, England. Separation of gases at low temperature. 2,617,272, Nov. 11.

Aicher, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Molding insulating material. 2,595,501, May 6.

Aicher, Louis C., Wauwatosa, Wis., and F. J. Vogel, Oak Park, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Variable capacity circuit for dielectric heating apparatus. 2,595,502, May 6.

Aickin, Robert G.: *See*—
Mitchell, Reginald G., Tait, Webber, Aickin, Winsor, and Billinghame.

Aids Development Co., Inc., assignee: *See*—
Leedy, Herbert R., and Myers.

Aiello, Joseph, deceased, Pittsburgh, Pa.; Lena Titus, executrix of said J. Aiello. Watchmaker's roller table jewel pin setting jig. 2,612,801, Oct. 7.

Aigner, G. J., Company, assignee: *See*—
Aigner, George J.

Aigner, George J., assignor to G. J. Aigner Company, Chicago, Ill. Index tab. 2,600,825, June17.

Aigrain, Pierre R., assignor to International Standard Electric Corporation, New York, N. Y. High-frequency preemphasis for pulse code modulation. 2,621,251, Dec. 9.

Aijala, Sulo, Coventry, R. I., assignor to Carl G. Peterson Co. Multipawl feed mechanism. 2,591,993, Apr. 8.

Aiken, Charles B., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Electrical logging. 2,592,101, Apr. 8.

Aiken, Charles B., Wilton, Conn., assignor to the United States of America as represented by the Secretary of the Air Force. Bolometer. 2,587,674, Mar. 4.

Aiken, Howard H.: *See*—
Lake, Clair D., Aiken, Hamilton, and Durfee.

Aiken, John K.: *See*—
Jones, Harry, and Aiken.

Aiken, Mary E., and M. J. Rummel, assignors to H. J. Heinz Company, Pittsburgh, Pa. Optical testing of materials with a transparent screen. 2,597,425, May 20.

Aiken, William H., and A. L. James, U. S. Army, assignors to the United States of America as represented by the Secretary of War. Fireproof, waterproof, flexible sheeting resistant to penetration by chemical warfare vesicant agents. 2,606,131, Aug. 5.

Aiken, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse forming network. 2,587,426, Feb. 26.

Aikens, Andrew J.: *See*—
Botsford, Nelson, Boysen, Aikens, Dietze, Goodale, and Inglis.

Aikman, Burton S., St. Petersburg, Fla., assignor to Westinghouse Air Brake Company. Automotive vehicle hoisting apparatus. 2,594,531, Apr. 29.

Aikman, Burton S., St. Petersburg, Fla., assignor to Westinghouse Air Brake Company. Fluid compressing apparatus. 2,608,342, Aug. 26.

Ailes, Lawrence R., Connersville, Ind. Adjustable mechanical price marker. 2,585,420, Feb. 12.

Ainasso, Marcos: *See*—
Guzzetti, Alfredo, and Ainasso.

Aines, Francis M., assignor to Imperial Pen & Pencil Co., Inc., Nassau, N. Y. Retractable writing implement. 2,611,343, Sept. 23.

Aines, Andrew A., U. S. Army, Petersburg, Va. Trouser blousing method. 2,596,112, May 13.

Aines, Andrew A., U. S. Army. Wheel-mounted drum filling assembly. 2,611,523, Sept. 23.

Aines, Andrew A., Petersburg, Va. Shoelace testing machine. 2,616,286, Nov. 4.

Ainley, Arthur D., and F. H. S. Curd, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidylaminoquinolines. 2,585,905, Feb. 19.

Ainley, Arthur D., Blackley, Manchester, S. Birtwell, Leeds, England, and F. H. S. Curd, deceased, Blackley, Manchester, England, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidines. 2,585,906, Feb. 19.

Ainsworth, Chester D., Wollaston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker with interlocked blast valve and contact motors. 2,597,047, May 20.

Ainsworth, Thomas H., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Centering device for engine trucks. 2,592,637, Apr. 15.

Ainsworth, Thomas H., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway pilot drop buffer. 2,619,235, Nov. 25.

Air Appliances Corporation, assignee: *See*—
Bluhm, Fred A.

Air Associates, Incorporated, assignee: *See*—
Donovan, Timothy F.
Gravenhorst, Everett G.
Howard, Bernard.
Kronacher, Gerald.
Kuplec, Harry P.
Wermlinger, Oscar R.

Airborne Instruments Laboratory, Inc., assignee: *See*—
Bowman, David F.
Schmitt, Otto H., Fromin, Fails, Barnes, and Avery.
Strum, Peter D.
Wehner, Robert S.

Aircall, Inc., assignee: *See*—
Florac, Richard.

Air Control Products, Inc., assignee: *See*—
Leigh, Robert L.

Air Controls, Inc., assignee: *See*—
Friedman, Arthur, and Silber.

Aircraft Hardware Mfg. Co. Inc., assignee: *See*—
Mazzel, Oswald.

Aircraft-Marine Products Inc., assignee: *See*—
Berg, Quentin.
Carlson, Vernon E.
Macy, James C.
Pierce, Frank L.

Aircraft Mechanics Inc., assignee: *See*—
Robins, Jack B.

Aircraft Radio Corporation, assignee: *See*—
Farnham, Paul O.
King, Paul B., Jr.

Air Cruisers Company, assignee: *See*—
Boyle, James F.
Boyle, Robert J.

Air-Equipment, assignee: *See*—
Garnier, Georges.

Airey, Charles A., Alliance, Ohio. Automatic fishing apparatus. 2,587,675, Mar. 4.

Air-factors, Inc., assignee: *See*—
Lambert, Robert R.

Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Aiken, Charles B.
Beachler, Robert R., Jr., and Oberholtzer.
Evans, William E., Jr.
Klas, Harold W.
Ransom, Maurice R., and Kuriloff.
Soderstrom, Harry R.
Stockman, Richard E.

Air Hydraulics, Inc., assignee: *See*—
Bryant, Ray W.

Airkem, Inc., assignee: *See*—
Wheeler, William H., von Bergen, and Meek.

Air Light Products Co., assignee: *See*—
Lambach, Frederick A.

Air Line Engineering Corporation, assignee: *See*—
Odom, Earl R., and Lannen.

Air-Maze Corporation, assignee: *See*—
Brixius, Jacob K., and Hanneman.
Glanzer, Clarence J.
Hanneman, Robert G.
Hanneman, Robert G., and Brixius.
Savitz, Christian W.

Airmed Limited, assignee: *See*—
Marrett, Henry R.

Air Preheater Corporation, The, assignee: *See*—
Austin, William W.
Hodson, Peter, and Klemperer.
Holm, Sven, and Jensen.
Jensen, Arthur.
Karlsson, Per H.
Karlsson, Per H., and Holm.
Karlsson, Per H., and Lidford.
Peterson, David G.
Yerrick, William D.

Air Products, Incorporated, assignee: *See*—
Bridges, Robert.
Crego, Francis T.
Gibson, Glenn J.
Gibson, Glenn J., and Rothschild.
Hamilton, James K.
Heidbrink, Jay A.
Schilling, Clarence J.
Steele, Arthur E.

Air Purification, Inc., assignee: *See*—
Hardy, Gordon W., Ray, and Carle.

Air Rectifiers, Inc., assignee: *See*—
Cowan, Nathan.

Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.
Anderson, Nelson E.
Balcar, Frederick R.
Conta, Lewis D., and Teti.
Fisher, Harold R.
Fullwood, Edward F.
Hay, Wayne W.
Helmkamp, Richard F.
Hughey, Howard G.
Hutt, Arthur R.
Jones, Harold O.
Miller, Hoke S.
Muller, Albert.
Robinson, Harold.

Air Reduction Company, Incorporated, assignee: *See*—Con.
Seitz, Rudolph O.
Senesky, John S.
Slottman, George V.
Spies, George R., Jr.
Sullivan, Cornelius J., and Fisher.
Taylor, Alfred H., Jr.
Tetl, John.
Thorp, Clark E.
Thorp, Clark E., and Panuln.
Tyrner, Joseph M.
Van Nuys, Claude C.
Air-Shields, Inc., assignee: *See*—
Gibbon, Samuel Y.
Airspeed Limited, assignee: *See*—
Clarke, William H. V., and Parramore.
Airtoys, Inc., assignee: *See*—
Butler, Joseph E.
Air Valve, Inc., assignee: *See*—
Overholser, J. Homer H., and Sweeney.
Air-Vent Awning Company, assignee: *See*—
Kramer, David, and Stapp.
Air-Way Electric Appliance Corporation, assignee: *See*—
Benjamin, Cordelia P.
Aitken, Ian M. E., Banstead, England. Mixing machine. 2,584,525, Feb. 5.
Aitchison, John P., Washington, D. C., and A. C. Bonkemeyer, Falls Church, Va., assignors to the United States of America as represented by the Secretary of the Army. Gunrack. 2,593,402, Apr. 22.
Aitken, Roy, Glasgow, Scotland. Chamber pot. 2,602,166, July 8.
Aja, Sisto, and E. Quijuano, Syracuse, N. Y. Folding table. 2,583,247, Jan. 22.
Ajax Buff Company, assignee: *See*—
Lawler, John J.
Ajax-Consolidated Company, assignee: *See*—
Bretz, Frank E., Jr.
Donop, August W.
Earl, Harley J.
Ajax Electric Company, Inc., assignee: *See*—
Rosseau, Leon B.
Ajax Engineering Corporation, assignee: *See*—
Horswell, Alfred H., and A. H. Horswell, Jr.
Tama, Manuel, M., and Hoff.
Ajax Flexible Coupling Co. Inc., assignee: *See*—
Belden, Wayne I.
Ajdukovich, George, St. Louis, Mo. Cigarette supporting cover. 2,591,113, Apr. 1.
Ajero, Fortunato S.: *See*—
Kegan, Albert L., and Ajero.
Ajinomoto Kabushiki Kaisha, assignee: *See*—
Ogawa, Tetsuwo.
Ajne, Carl A., Stockholm, Sweden. Building structure, 2,587,804, Mar. 4.
Ajouelo, Davis J., Atlanta, Ga. Bottle opener with cap receiver. 2,588,687, Mar. 11.
Akeley, Lloyd T., Lynn, Mass., assignor to General Electric Company. Control system for electric heating units. 2,606,990, Aug. 12.
Akerman, John D., and V. G. Townsend, Minneapolis, Minn.: said Townsend assignor to said Akerman. Artificial respiration apparatus. 2,588,192, Mar. 4.
Akers, Dallas C., East Orange, N. J. Connector clamp for coaxial electrical cables. 2,587,676, Mar. 4.
Akers, Harrison R., Tyler, Tex. Guard rail clamp. 2,599,599, June 10.
Akers, Merrideth C., Carbon Hill, Ala. Portable clothes hanger. 2,616,569, Nov. 4.
Åkesson, Stig P. R.: *See*—
Vigren, Sten D., Freese, Claesson, and Åkesson.
Akin, Frank, Dallas, Tex. Valve tool. 2,602,989, July 15.
Akins, Jake, assignor of one-half to A. A. Dorman, Statesboro, Ga. Log 'peeling and shaping apparatus. 2,588,903, Mar. 11.
Akins, James D., assignee: *See*—
Baxter, Mason.
Akins, Stephen A., Kansas City, Mo. Nasal cleansing device. 2,612,894, Oct. 7.
Akobjanoff, Lev, Ann Arbor, Mich. Arsenic modified polysulfide plastics. 2,587,805, Mar. 4.
Akobjanoff, Lev, St. Louis, Mo. Metallo-thioplasts. 2,614,097, Oct. 14.
Akona Chemical Corporation, assignee: *See*—
Glick, Alvin G.
Akron Spool & Manufacturing Co., assignee: *See*—
Hawley, John B.
Akron Standard Mold Company, The, assignee: *See*—
Bostwick, Henry C.
Aktiebolaget Addo, assignee: *See*—
Salmivuori, Johannes E.
Aktiebolaget Akerlund & Rausing, assignee: *See*—
Benzon-Petersen, Boye.
Aktiebolaget Alcometaller, assignee: *See*—
Ström, Karl G. H.
Aktiebolaget Arno, assignee: *See*—
Borg, Arthur N.
Aktiebolaget Astra, Apotekarnes Kemiska Fabriken, assignee: *See*—
Dahlbom, Johan R., and Ekstrand.
Aktiebolaget Atlas Diesel, assignee: *See*—
Carlson, Eric.
Camner, Hilding G.
Larcén, Jan A., and Ytterfors.
Pyk, Herman T., and Camner.
Aktiebolaget Atvidaberg Facit, assignee: *See*—
Grip, Erik K.
Toorell, Sture, and Grip.
Aktiebolaget Bofors, assignee: *See*—
Aldrin, Henry W.
Bengtsson, Erik B.
Bergström, Lars O.
Hammar, Victor, and Duhlbäck.
Norell, Karl T.
Sahlin, Börje, and Jansson.
Selin, Per H.
Aktiebolaget Bryggerimaskiner, assignee: *See*—
Nielsen, Christian N.
Aktiebolaget C. E. Johansson, assignee: *See*—
Hård af Segerstad, Carl G., and Magnusson.
Johansson, John O. E.
Aktiebolaget Centrallaboratorium, Helsinki, assignee: *See*—
Smedslund, Tor H.
Aktiebolaget Defibrator, assignee: *See*—
Magnuson, Gunnar.
Aktiebolaget Duba, assignee: *See*—
Larsen, Fridthlof O. V.
Aktiebolaget Ekonomiregister, assignee: *See*—
Magnusson, Elis M.
Kristenson, Nils H. B., and Grähs.
Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Camner, Hilding G.
Faith-Ell, Lars J.
Grubb, Gunnar A., and Backteman.
Karlstrom, Johan F. R.
Kögel, Wilhelm G.
Lange, Sven R.
Widell, Nils E.
Aktiebolaget Enkopings Verkstader, assignee: *See*—
Nellvén, Karl J. A., and Hjelm.
Aktiebolaget Forrosan, assignee: *See*—
Bing, Jens H.
Jensen, Kai A., and Rosdahl.
Aktiebolaget Gotaverken, assignee: *See*—
Thorstenson, Johan.
Aktiebolaget Gustavsbergs Fabriker, assignee: *See*—
Rydberg, John A.
Aktiebolaget Hakanssons Industrier, assignee: *See*—
Westin, Johan T.
Aktiebolaget Karlstads Mekaniska Werkstad, assignee: *See*—
Alm, Oscar E.
Aktiebolaget Kontrollinstrument, assignee: *See*—
Grusell, Anders E., Sandmark, and Hysing.
Aktiebolaget Kristenson & Grähs, assignee: *See*—
Kristenson, Nils H. B.
Aktiebolaget Leo, assignee: *See*—
Claesson, Karl E. L., Högberg, and Rosenberg.
Aktiebolaget Linderoths Patenter, assignee: *See*—
Blomén, Torsten.
Aktiebolaget Manus, assignee: *See*—
Atterling, John W. L., Redin, and Ryde.
Redin, Eric G., Olander, and Johansson.
Aktiebolaget Moderna Kök, assignee: *See*—
Tellander, Carl Y.
Aktiebolaget Nilsson & Johansson, assignee: *See*—
Lindahl, Henning W.
Aktiebolaget Overums Bruk, assignee: *See*—
Berg, Claes.
Aktiebolaget Rainbow, assignee: *See*—
Bergman, Sven G., and Ohlund.
Aktiebolaget Separator, assignee: *See*—
Bergner, Nore E.
Borck, Alfred G.
Borck, Alfred G., and Grönning.
Eckers, Carl G.
Erling, Sven J.
Hytte, Robert P. L.
Svensjö, Nils E.
Thylefors, Henric W.
Zachariasséh, Stig H. B.
Zachariassen, Stig H. B., and Borck.
Aktiebolaget Siefuert & Fornander, assignee: *See*—
Dietmann, Paul W.
Aktiebolaget Supermarin, assignee: *See*—
Almqvist, Bo K. L., and Elgström.
Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Göthberg, Karl E. A.
Aktiebolaget Svenska Precisionsverktyg, assignee: *See*—
Alfredeén, Uno A.
Aktiebolaget Teximpex, assignee: *See*—
Heintges, Clemens A.
Aktiebolaget Tudor, assignee: *See*—
Brandt, Gustaf E.
Aktiebolaget Zander & Ingestrom, assignee: *See*—
Berg, Gösta V., and Hallman.
Nilsson, Nils.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Blatter, Hans.
Goldstein, Alexander.
Guanella, Gustav, and Lardelli.
Hartmann, Hans.
Keller, Hans.
Kocher, Hermann.
Meyer, Adolf.
Niehus, Kurt.
Pfenninger, Hans.
Thommen, Hans, and Amstutz.
Thommen, Hans, and Meyer.
Wideroe, Rolf.
Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, assignee: *See*—
Wernli, Max.
Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Keller, Curt.
Aktiengesellschaft R. & E. Huber, Schweizerische Kabel-, Draht-und Gummiwerke, assignee: *See*—
Zürrer, Max.
Aktieselskabet De Danske Sukkerfabrikker, assignee: *See*—
Brieghel-Müller, Arne V.
Aktieselskabet "Ferrosan," assignee: *See*—
Jensen, Kai A.
Aktieselskabet "Vølund," assignee: *See*—
Brabaek, Jörgen.
Aktieselskapet Norsk Aluminum Company, assignee: *See*—
Brodal, Erling, and Guldhav.
Aladdin Industries, Incorporated, assignee: *See*—
Berge, Godshalk.
Bramming, Carl.
Davis, Cortland W., and Switack.
De Tar, Donald R.
Engh, Walter B.
Flint, Harry E.
Lyman, Harold T., and De Tar.
Alaj, Antoine L., Arlington, Va. Hot plate. 2,582,735, Jan. 15.
Alamo Corporation, assignee: *See*—
Bussmann, Aloysius B.
Alarcon, Alfonso G.: *See*—
Polo, Dagoberto M., and Alarcon.
Alar Products, Inc., assignee: *See*—
Steffen, Elmer G.
Alban, Clarence F., Pontiac, and R. H. Matthews, assignors to W. M. Chace Company, Detroit, Mich. Furnace damper control. 2,617,595, Nov. 11.
Albany Corrugated Container Corporation, assignee: *See*—
Friesner, Claude R.
Albaugh, Merton V., Grand Rapids, assignor to General Motors Corporation, Detroit, Mich. Machine for testing hydraulic tappets. 2,619,835, Dec. 2.
Albee, Arthur C., Hollywood, Calif., assignor to Radio Corporation of America. Film reel drive. 2,611,284, Sept. 23.
Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive truck. 2,610,586, Sept. 16.
Albers, Teunis, Amsterdam, Netherlands. Pedal for bicycles or like vehicles. 2,587,270, Feb. 26.
Albersheim, Walter J., Interlaken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wide range sound film reproducing system. 2,602,861, July 8.
Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light controlled channel deviation indicator. 2,607,916, Aug. 19.
Albert, Donald J.: *See*—
Bornemann, William, and Albert.
Albert, Harry E.: *See*—
Smith, George E. P., Jr., and Albert.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Automatic hydroxy sulfides. 2,581,919, Jan. 8.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubber with a mixture of a phenol sulfide and trivalent antimony oxide. 2,581,930, Jan. 8.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubbery materials by the use of tin or antimony salts of phenol reaction products. 2,581,931, Jan. 8.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reclaiming rubber with bis-(trialkyl phenol) sulfides. 2,605,241, July 29.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mixture of antioxidants for synthetic rubber. 2,605,249, July 29.
Albert, Harry E., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of acrylonitrile-butadiene-1,3 copolymers. 2,581,909, Jan. 8.
Albert, Harry E., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl P-phenyl catecholate. 2,581,910, Jan. 8.
Albert, Harry E., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl pyrogallolate. 2,581,911, Jan. 8.
Albert, Paul McH., Ann Arbor, Mich. Device for determining turbidity within a body of liquid. 2,580,500, Jan. 1.
Albertoli, John, San Francisco, Calif. Can feeding device. 2,583,313, Jan. 22.
Albertoli, John, San Francisco, Calif. Positioner for hemispherical fruit halves. 2,584,526, Feb. 5.
Alberts, Lawrence E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,614,236, Oct. 14.
Alberts, Sydney S., Yonkers, N. Y. Brassière. 2,622,244, Dec. 23.
Albertson, Lawrence E., Minneapolis, assignor to The McKays Company, St. Paul, Minn. Water softening system. 2,607,728, Aug. 19.
Albertson, Noel F., East Greenbush, assignor to Sterling Drug Inc., New York, N. Y. Piperidine carboxylic acid esters. 2,585,210, Feb. 12.
Albertson, Richard H., Union, N. J., assignor to Mounting & Finishing Company, Inc., Brooklyn, N. Y. Flower pot cover. 2,606,106, Aug. 5.
Albertson, Victor N.: *See*—
Haigren, Henry A., and Albertson.
Albin, Frederick G., Beverly Hills, Calif., assignor to Radio Corporation of America. Preshaping of recorded waves. 2,587,081, Feb. 26.
Albini-Colombo, Carlo, Milan, Italy. Printing textile fabrics. 2,583,286, Jan. 22.
Albinseon, Harold H., assignor to General Motors Corporation, Detroit, Mich. Cooling system for internal-combustion engines. 2,608,961, Sept. 2.
Albisetti, Alois, Ridgefield, N. J. Toy wheeled vehicle. 2,587,082, Feb. 26.
Albisetti, Charles J., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides and their preparation. 2,620,327, Dec. 2.
Albisetti, Charles J., Jr., and N. G. Fisher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsaturated dicarboxylic acids and esters and their preparation. 2,584,527, Feb. 5.
Albiswerk Zuerich A. G., assignee: *See*—
Müller, Josef, Patry, Baumberger, and Klein.
Albrecht, Albert W., McHenry, assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,594,111, Apr. 22.
Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sequential tripping mechanism control for multiunit offset presses. 2,615,393, Oct. 28.
Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Gripper bar mechanism. 2,619,903, Dec. 2.
Albrecht, August H., deceased, La Habra, Calif.; E. V. Albrecht, administratrix. Electrical power line warning device for vehicles with extended booms. 2,615,969, Oct. 28.
Albrecht, Carl, Kronberg/Ts., assignor to Deutsche Gold- und Silber-Scheideanstalt Vormals Roessler, Frankfort-on-the-Main, Germany. Hardening bath. 2,620,310, Dec. 2.
Albrecht, Esther V., administratrix: *See*—
Albrecht, August H.
Albrecht, Fritz, C. M. Davison, and W. L. Lambdin, Jr., Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Plastic identification sleeve forming machine. 2,593,514, Apr. 22.
Albrecht, George F., Saco, Maine. Spinning and twisting ring. 2,588,193, Mar. 4.
Albrecht, George F., Saco, Maine. Spinning and twisting ring. 2,618,116, Nov. 18.
Albrecht, Herbert O.: *See*—
Mandeville, Charles E., Albrecht, and Scherb.
Albrecht, Karl, Maplewood, N. J., assignor to Forstner Chain Corporation. Tie holder. 2,606,349, Aug. 12.
Albrecht, Kurt, Pleasant Hills Borough, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Conductivity controlled dispenser. 2,593,825, Apr. 22.
Albrecht, Otto, Munchenstein, assignor to Ciba Limited, Basel, Switzerland. Amide derivatives and making same. 2,590,073, Mar. 25.
Albrecht, Otto, Muenchenstein, and A. Maeder, assignors to Ciba Limited, Basel, Switzerland. Manufacture of an acrylic acid ester. 2,599,424, June 3.
Albrecht, Richard M., Le Claire, assignor to Victor Animatograph Corporation, Davenport, Iowa. Portable sounding device. 2,589,319, Mar. 18.
Albrecht, William F., Salt Lake City, Utah. Valve. 2,582,370, Jan. 15.
Albrecht, Wolfram W., assignor to Jos. Schneider & Co., Kreuznach, Germany. Wide-angle high-speed photographic objective. 2,612,077, Sept. 30.
Albrich, Julián I., assignor of one-half to J. I. Miralles, Barcelona, Spain. Pen nib attachment. 2,619,071, Nov. 25.
Albright, Edward J., Chicago, Ill. Conveyer having pivotal pan. 2,590,201, Mar. 25.
Albright, John C., assignor of one-half to W. J. Adams, Chicago, Ill. Thermally responsive device. 2,593,238, Apr. 15.
Albright, John R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Pumping unit. 2,612,113, Sept. 30.

Albright, Richard A., assignee: *See*—
Struben, Francis L., and Fyle.

Albro, Walter, Jamestown, N. Y. Clip retaining pocket attachment. 2,616,138, Nov. 4.

Alburn, Harvey E., assignor to Wyeth Incorporated, Philadelphia, Pa. Sulfation of alginic acid in alcoholic sulfuric acid. 2,612,498, Sept. 30.

Alco Valve Company, assignee: *See*—
Dube, John E., and Jones.
Freedman, Rudolph, and Dube.
Ives, Clifford B.
MacDougall, Franklin M.
Rose, Howard E.

Alcock, John F., Leeds, England. Submerged blast gas scrubber. 2,608,399, Aug. 26.

Alcoriza, Sofronio B., Walnut Grove, Calif. Switch for motor vehicle signals. 2,621,265, Dec. 9.

Alcorn, Carson A., Grand Island, Nebr. Ventilated metal awning. 2,602,200, July 8.

Alcorn, Irwin W., Houston, Tex., assignor to The Pure Oil Company, Chicago, Ill. Mooring barge or buoy. 2,604,866, July 29.

Alcorn, Robert L., Jr., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Timing system. 2,586,592, Feb. 19.

Alcorn, Robert L., Jr., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Forging apparatus and control thereof. 2,615,306, Oct. 28.

Alde, Murray W., Beaver Lodge, Alberta, Canada. Helicopter rotor system. 2,589,030, Mar. 11.

Alden, Blair S.: *See*—
Turner, Virgil A., Alden, and Alden.

Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Heater for moving electrolytes. 2,584,654, Feb. 5.

Alden, Frank S.: *See*—
Turner, Virgil A., Alden, and Alden.

Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Lubricating means for axle drive mechanisms. 2,618,359, Nov. 18.

Alden, Martha M., Tulsa, Okla. Power-operated eraser for electric typewriters. 2,593,515, Apr. 22.

Alden, Milton, Wellesley, Mass. Recorder bar suspension for facsimile recorders. 2,611,677, Sept. 23.

Alden, Milton, Wellesley, Mass. Recorder. 2,621,999, Dec. 16.

Alden Products Co., assignee: *See*—
Cross, Edward D.

Alden, William H., Jr., Bryn Athyn, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Material-controlled article transfer mechanism. 2,612,981, Oct. 7.

Alden, William H., Jr., Bryn Athyn, Pa., assignor to Allied Chemical and Dye Corporation, New York, N. Y. Shingle collecting and bundling machine. 2,612,983, Oct. 7.

Alden, William H., Jr., Bryn Athyn, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Shingle conveyer. 2,612,984, Oct. 7.

Alderman, Harry M., Chicago, Ill. Car replacer. 2,593,956, Apr. 22.

Alderman, Leon D., Magnolia, Mass., assignor to United Shoe Machinery Corportaion, Flemington, N. J. Sole-shaping machine. 2,607,057, Aug. 19.

Alderman, Wayne, Torrington, Conn. Magnetic door latch. 2,586,900, Feb. 26.

Alderson, Ernest A., and W. L. Adair, Puente, Calif. Boat anchor hoist. 2,605,082, July 29.

Alderson, Samuel W., New York, N. Y. Electrically operated artificial arm for above-the-elbow amputees. 2,580,987, Jan. 1.

Alderson, Samuel W., New York, N. Y. Shoulder harness for artificial arms. 2,592,842, Apr. 15.

Aldinger, Ulrich: *See*—
Voit, Willy, and Aldinger.

Aldred, John L., Jr.: *See*—
Wilfley, Elmer R., and Aldred.

Aldrich, Donald F.: *See*—
Wolff, John L., Jr., and Aldrich.

Aldrich, Paul H.: *See*—
Keene, Howard B., Anderson, and Aldrich.

Aldrich, R. E. Lee, Jr.: *See*—
McAlpine, Francis J., M. L., and Aldrich.

Aldridge, Clarence F.: *See*—
Cook, Garrett A., and Aldridge.

Aldrin, Henry W., Karlskoga, assignor to Aktiebolaget Bofors, Bofors, Sweden. Loading apparatus for automatic firearms. 2,608,135, Aug. 26.

Aleck, Benjamin J.: *See*—
Zauderer, Jerome, and Aleck.

Aleman, Eugenio D., and G. S. Valdez, Mixcoac, Mexico City, Mexico. Fuel homogenizer. 2,618,541, Nov. 18.

Alenius, Nils R., Stockholm, Sweden. Building block of wood. 2,620,527, Dec. 9.

Alertronic Protective Corporation of America, The, assignee: *See*—
Bagno, Samuel M.
Bagno, Samuel M., and Westerman.

Aleshin, William N., South Windsor, Conn. Tobacco Lath. 2,610,883, Sept. 16.

Alesi, Anthony L., Philadelphia, Pa. Suspension lacing for protective helmets. 2,617,988, Nov. 18.

Alex, Friedmann Kommandit-Gesellschaft, assignee: *See*—
Nemetz, Gustav.

Alex, Max, Pasadena, assignor to Sparkletts Drinking Water Corporation, Los Angeles, Calif. Carafe handle. 2,598,747, June 3.

Alex, Ralph P.: *See*—
Bulvid, Michel D., and Alex.

Alexander, Arthur F., Cleveland, Ohio. Clock. 2,583,037, Jan. 22.

Alexander, Cruzan, Jackson Heights, N. Y., and G. H. Palmer, Fanwood, assignors to The M. W. Kellogg Company, Jersey City, N. J. Manufacture of a gaseous mixture rich in hydrogen. 2,618,542, Nov. 18.

Alexander, Cruzan, and H. A. Dutcher, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pebble heater apparatus and heat exchange. 2,585,984, Feb. 19.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,608,067, Aug. 26.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,612,543, Sept. 30.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Direct current motor control. 2,614,238, Oct. 14.

Alexander, Elijah W., Salem, Ohio. Demountable frost shield and visor. 2,606,787, Aug. 12.

Alexander, Emmett L., assignor to The George E. Failing Supply Company, Enid, Okla. Derrick. 2,609,180, Sept. 2.

Alexander, Frank C., Jr.: *See*—
Lester, Raymond H., Cannon, and Alexander.

Alexander, George: *See*—
Ferner, Warren E., Alexander, Robinson, and Streeter.

Alexander, George, Coshocton, and R. T. Walsh, West Lafayette, Ohio, assignors to General Electric Company. Molded tubular body. 2,594,838, Apr. 29.

Alexander, Guy B., Parma, R. K. Iler, Cleveland Heights, and F. J. Wolter, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing built-up silica particles. 2,601,235, June 24.

Alexander, Guy B., Parma, and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Redispersing a precipitated silica sol. 2,605,228, July 29.

Alexander, Harold E., and C. F. Cook, Watford, England. Incorporating lettering in printed color reproductions. 2,605,181, July 29.

Alexander, Harry S., assignor to Keystone View Company, Meadville, Pa. Device for supporting transparent stereoscopic slides. 2,584,245, Feb. 5.

Alexander, Harry S., assignor to Keystone View Company, Meadville, Pa. Stereoscopic rotator for rotating stereoscopic pictures. 2,593,826, Apr. 22.

Alexander, Harry S., assignor to Keystone View Company, Meadville, Pa. Transparent slide for use in binocular vision training. 2,618,259, Nov. 18.

Alexander, Henry R., Springfield, Ill. Drill. 2,608,384, Aug. 26.

Alexander, Henry S., Sr., assignor to Keystone View Company, Meadville, Pa. Instrument for testing lateral visual ability. 2,604,811, July 29.

Alexander, Horace W., Erie, Pa., assignor of one-half to American Sterilizer Company. Sealed beam filament lamp with heat-reducing means. 2,592,102, Apr. 8.

Alexander, Horace W., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Brazing thin brass members. 2,591,994, Apr. 8.

Alexander, James H.: *See*—
Cave, William T., Alexander and McCoubrey.

Alexander, Kliem, and L. E. Schniepp, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Reduction of oxydivaleronitrile. 2,584,970, Feb. 12.

Alexander, Leon G., Charlotte, assigner to Wix Accessories Corporation, Gastonia, N. C. Filter assembly. 2,604,992, July 29.

Alexander, Leon G., Charlotte, and J. W Sherrill, Belmont, assignors to Wix Accessories Corporation, Gastonia, N. C. Oil filter replacement unit. 2,597,770, May 20.

Alexander, Lloyd G.: *See*—
Hass, Henry B., and Alexander.

Alexander, Malvin T., Seattle, Wash. Pole-stripping machine. 2,581,829, Jan. 8.

Alexander, Mary M., Los Angeles, Calif. Perfume dispensing implement. 2,615,758, Oct. 28.

Alexander, Nelson E.: *See*—
Morgan, Jack R., Alexander, and Comley.

Alexander, Peter: *See*—
Blott, John F. T., and Alexander.

Alexander, Peter, and C. Earland assignors to Wolsey Limited, Leicester, England. Treatment of keratin and related materials. 2,622,036, Dec. 16.

Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of alkaline earth metal hydrides and use thereof in reducing refractory oxides. 2,584,411, Feb. 5.

Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of lithium hydride. 2,606,100, Aug. 5.

Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Ammunition. 2,611,316, Sept. 23.

Alexander, Philip, New York, N. Y., assignor, by mesne assignments, to C. C. Trelease, Newark, N. J., as trustee. Cartridge for dispensing liquid chemicals. 2,601,938, July 1.

Alexander, Robert H., Warren, Pa., assignor to Sylvania Electric Products Inc. Socket contact of spring wire. 2,584,528, Feb. 5.

Alexander, Robert H., and C. Spicer, Warren, Pa., assignors to Sylvania Electric Products, Inc. Receptacle filling mechanism. 2,581,898, Jan. 8.

Alexander, Walker R., assignor to United Steel & Wire Company, Battle Creek, Mich. Nesting basket cart. 2,605,116, July 29.

Alexander, Warren A., Tulsa, Okla., assignor to Standard Oil Development Company. Geophone. 2,581,063, Jan. 1.

Alexander, William, deceased, Glasgow, Scotland; M. M. Durney or (Young), executrix. Apparatus for separating liquids. 2,581,341, Jan. 8.

Alexander, William C., Port Arthur, Tex. Wheel control mechanism for golf club carriages. 2,610,864, Sept. 16.

Alexander, William M.: *See*—
Lee, John W., Martin, and Alexander.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electronic frequency changer and stabilizing control means therefor. 2,586,498, Feb. 19.

Alexanderson, Ernst F. W., A. H. Mittag, Schenectady, N. Y., and R. W. Kuenning, Berkeley, Calif., assignors to General Electric Company. Current interrupter. 2,612,629, Sept. 30.

Alexanderson, Howard A., Hohokus, and R. Z. Hague, Orndell, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control device for the power units of aircraft. Re. 23,490, May 20.

Alexanderson, Howard A., Wood-Ridge, and A. H. Le Febvre, Hackensack, assignors to Bendix Aviation Corporation, Teterboro, N. J. Engine control. 2,583,537, Jan. 29.

Alexandrescu, Alexander M., Cleveland, Ohio. Opener. 2,596,459, May 13.

Alexath, Georges, Lausanne, Switzerland. Fish lure. 2,611,208, Sept. 23.

Alexay, Adalbert, Schenectady, N. Y., assignor to General Electric Company. Self-aligning shoe for steady rests used on lathes. 2,592,229, Apr. 8.

Alexewicz, Werner G., Burbank, L. Plotlin, North Hollywood, and R. F. McGraw, Sierre Madre, assignors, by mesne assignments, to R. F. McGraw, doing business as McGraw Colorgraph Company, Burbank, Calif. Stripping tissue. 2,606,130, Aug. 5.

Alexy, Matthew R., Philadelphia, Pa., assignor to Radio Corporation of America. Miniature tube holder. 2,585,072, Feb. 12.

Alford, Andrew, Cambridge, Mass., assignor to United States of America as represented by the Secretary of War. Electrical apparatus. 2,594,839, Apr. 29.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Turbine rotated antenna with electromagnetic answer-back means. 2,595,912, May 6.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Split cylinder antenna. 2,600,179, June 10.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Device for radiating circularly polarized waves. 2,611,087, Sept. 16.

Alford, Andrew, Cambridge, Mass. Slotted winged cylindrical antenna. 2,611,864, Sept. 23.

Alford, Andrew, Cambridge, Mass. Transversely gapped cylindrical antenna. 2,611,865, Sept. 23.

Alford, Andrew, Cambridge, Mass. Cylindrical antenna. 2,611,866, Sept. 23.

Alford, Andrew, Cambridge, Mass. Slotted winged cylindrical antenna. 2,611,867, Sept. 23.

Alford, Andrew, Cambridge, Mass. Antenna. 2,622,196, Dec. 16.

Alford, Andrew, Cambridge, and H. M. Hart, Wellesley, Mass., assignors, by mesne assignments, to Raytheon Manufacturing Company. Apparatus for measuring distance. 2,597,607, May 20.

Alford, Andrew, Cambridge, and H. Jasik, Roslindale, Mass.; said Jasik assignor to said Alford. Antenna detuning system. 2,611,871, Sept. 23.

Alford, Carl C., Glendale, Calif. Card deck holder. 2,608,291, Aug. 26.

Alford, Donald E.: *See*—
Carlson, Harold A., and Alford.

Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Cooling means for gas turbine wheels. 2,605,081, July 29.

Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Flexible conduit joint. 2,613,087, Oct. 7.

Alford, Maitland W.: *See*—
Finlayson, Donald, and Alford.

Alford, Raymond G., Houston, Tex., assignor to Houston Oil Field Material Company. Releasing washover overshot. 2,616,749, Nov. 4.

Alfredéen, Uno A., Stockholm, assignor to Aktiebolaget Svenska Precisionsverktyg, Nacka, Sweden. Coupling. 2,592,103, Apr. 8.

Alfredeén, Uno A., Stockholm, assignor to Aktiebolaget Svenska Precisionsverktyg, Nacka, Sweden. Thread-cutting device. 2,597,849, May 27.

Alfreds, Torris H.: *See*—
Nelson, Arthur W., and Alfreds.

Alfredsson, Uno: *See*—
Johansson, Erik, Bergvall, and Alfredsson.

Alfsen, Nikolai, Oslo, Norway. Device for barking of logs or the like. 2,581,617, Jan. 8.

Alger, John, Lakewood, Colo. Reaming collar for drill steels. 2,607,561, Aug. 19.

Alger, Martin J., Jr., Watertown, N. Y., assignor to The New York Air Brake Company. Automatic cutout for train circuit protection device. 2,608,447, Aug. 26.

Alginate Industries Limited, assignee: *See*—
Johnson, Arthur, and Millatt.
Johnson, Arthur, and Speakman.
Speakman, John B., Chamberlain, and Dorkin.

Alico, Inc., assignee: *See*—
Imshaug, Arnold L.

Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Stabilized plastic type confection and making the same. 2,587,806, Mar. 4.

Alink, Roelof J. H., C. J. Dippel, and H. J. Houtman, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discontinuously physically developing latent photographic images. 2,609,295, Sept. 2.

Alix, Elmer C., Charlton City, and H. A. Wilson, South Spencer, Mass. Safety device for picker sticks. 2,620,832, Dec. 9.

Alkaline Batteries Limited, assignee: *See*—
Field, Braham R.

All American Airways, Inc., assignee: *See*—
Cotton, Robert B.

Allan, Benjamin W.: *See*—
Davis, Wilmer O., Roseman, Allan, and Neptune.
Roseman, Reuben, Neptune, and Allan.

Allan, James A.: *See*—
Beardsley, Robert O., and Allan.

Allan, John, Spondon, near Derby, and H. F. Oxley, Charmouth, England, assignors to Celanese Corporation of America. Coloration of sheet materials. 2,606,854, Aug. 12.

Allan, Morag L., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Isomerization of unsaturated hydrocarbons. 2,594,706, Apr. 29.

Allan, William J.: *See*—
Garner, Claude M., and Allan.

Allan, William J., Richmond Heights, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Thermostatically actuated switch. 2,588,688, Mar. 11.

Allard, Fernande E., San Francisco, Calif. Maternity garment. 2,617,990, Nov. 18.

Allard, Gerard A., Schenectady, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Atomic air burst direction finder. 2,615,249, Oct. 28.

Allard, Pierre J. M. T., Eaubonne (Seine et Oise), France. Drum for winding cable. 2,605,978, Aug. 5.

Allard, Pierre J. M. T., Chantilly, France. Crane or derrick. 2,621,804, Dec. 16.

Allard, Pierre J. M. T., Eaubonne, France. Rapid excavation machine. 2,621,816, Dec. 16.

Allard, Pierre J. M. T., Eaubonne, assignor to Societe Française de Construction de Bennes Automatiques, Paris, France. Handling apparatus. 2,623,644, Dec. 30.

Allard, Roger G. J., Richmond, Vt. Retractable electric extension cord switch. 2,585,070, Feb. 12.

Allbert, Eugene F.: *See*—
Kimball, Albert W., and Allbert.

Allbert, Eugene F., Turtle Creek, and B. J. Auburn, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,583,074, Jan. 22.

Allbright, James K.: *See*—
Morse, George E., and Allbright.

Allbright-Nell Company, The, assignee: *See*—
Lundell, Alvin O.

Allbritton, Owen S., Clearwater, Fla. Folding classification table. 2,601,357, June 24.

Allday, Gilbert J., Weybridge, England. Exhaust and induction system for internal-combustion engines. 2,611,353, Sept. 23.

Alldredge, Leroy R., Kensington, and E. O. Schonstedt, Takoma Park, Md. Invalid chair having footrest braking means. 2,612,209, Sept. 30.

Alldredge, Marshall H., Detroit, and M. P. Graham, Grosse Pointe, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Steering linkage. 2,614,862, Oct. 21.

Alldredge, Marshall H., Detroit, and M. P. Graham, Grosse Pointe, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Joint construction. 2,615,737, Oct. 28.

Allebach, Karl A., assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Bridge-type precision antenna structure. 2,596,113, May 13.

Allec, Georges P. A., Paris, France, vested in the Attorney General of the United States. Fire-control apparatus for direct-aiming antiaircraft firearms. 2,623,287, Dec. 30.

Allegheny Ludlum Steel Corporation, assignee: *See*—
Caugherty, William E.
Passafaro, Anthony L.
Patterson, Walter M.
Sheridan, Claude M., and Pruger.
Zaccaguini, Concezio L.

Allegheny Steel Band Company, assignee: *See*—
Dunbar, Jack W.

Allegro, Joseph A.: *See*—
Richeson, Sanford E., and Allegro.

Alleman, Carl E.: *See*—
Pankratz, Howard J., Dutcher, and Alleman.

Allen, Adda M., Arlington, Va. Rib structure. 2,580,388, Jan. 1.

Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Associated equipment for nursing units. 2,581,340, Jan. 8.

Allen, Adda M., The Plains, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Nursing unit. 2,588,069, Mar. 4.

Allen, Albert, Sharon, assignor to The Foxboro Company, Foxboro, Mass. Pneumatic switch. 2,612,185, Sept. 30.

Allen, Albert E., assignor to Utica Cutlery Company, Utica, N. Y. Handle structure. 2,581,062, Jan. 1.

Allen, Ambrose L., Houston, Tex. Adjustable cutter bar for mowing machines. 2,620,615, Dec. 9.

Allen, Arthur P., Spokane, Wash. Reversible rotary fan. 2,620,039, Dec. 2.

Allen-Bradley Company, assignee: *See*—
Walters, Robert E.

Allen, Charles F., and R. B. Booth, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Depression of copper minerals from ores and concentrates. 2,620,068, Dec. 2.

Allen, Charles F. H.: *See*—
Ballard, Albert E., Zuchike, and Allen.
Chechak, Jonas J., and Allen.

Allen, Charles F. H., and J. A. Van Allan, assignors to Eastman Kodak Company, Rochester, N. Y. Benzo[f] quinoline compounds and their preparation. 2,604,475, July 22.

Allen, Charles F. H., and C. V. Wilson, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of 1,4,5,8-tetraaminoanthraquinone compounds. 2,611,772, Sept. 23.

Allen, Charles M., Columbus, and R. W. Dayton, Worthington, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Seal. 2,606,044, Aug. 5.

Allen, Claire M.: *See*—
Allen, Paul M. and C. M.

Allen, Clifford G., Hartville, Ohio. Traction device for vehicle wheels. 2,596,517, May 13.

Allen, Earl M.: *See*—
Jacobs, William A., and Allen.

Allen, Edward K., Jr., assignor to Leland-Gifford Company, Worcester, Mass. Coolant device for tools. 2,582,667, Jan. 15.

Allen, Edward M., Wadsworth, Ohio, assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Production of isopropyl N-phenyl carbamate. 2,615,916, Oct. 28.

Allen, Edwin L., Cleveland Heights, assignor to R. I. Schonitzer, Cleveland, Ohio. Door check and holding device. 2,603,820, July 22.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Latch actuating and locking mechanism. 2,603,963, July 22.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Push-button unit. 2,604,346, July 22.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Latch mechanism. 2,608,428, Aug. 26.

Allen, Edwin L., and A. R. De Vito, Cleveland Heights, Ohio, and H. B. Muster, Fountain City, Ind., assignors, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Lock means for door control mechanism. 2,587,583, Mar. 4.

Allen, Eldon C., Harrisburg, Ill. Percussion coal breaking mechanism. 2,608,400, Aug. 26.

Allen, Ernest C., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Stator winding machine. 2,594,707, Apr. 29.

Allen, Frank B.: *See*—
Cahusac, Clarence N., and Allen.

Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Nozzle for dry powder extinguishers. 2,589,213, Mar. 18.

Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguisher multiple horn assembly. 2,599,533, June 10.

Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguisher discharge head and carrying handle. 2,610,693, Sept. 16.

Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Inflation valve. 2,595,218, May 6.

Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Discharge valve. 2,603,233, July 15.

Allen, George H.: *See*—
Barber, William E., and Allen.

Allen, George M., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Magnetic spinning bucket closure and cake extracting system. 2,602,284, July 8.

Allen, George W., and V. N. Tramontini, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Flow restrictor. 2,602,408, July 8.

Allen, Graham G.: *See*—
Whittaker, Donald, and Allen.

Allen & Hanburys Limited, assignee: *See*—
Woodhall, Harold.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Gate valve. 2,591,038, Apr. 1.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Valve. 2,606,740, Aug. 12.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Valve. 2,607,557, Aug. 19.

Allen, Herbert, assignor to Cameron Iron Works Inc., Houston, Tex. Mechanical advantage operator. 2,614,520, Oct. 21.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Flow control unit. 2,614,795, Oct. 21.

Allen, Herbert, assignor to Cameron Iron Works, Inc., Houston, Tex. Rotary plug valve seat. 2,621,888, Dec. 16.

Allen, Howard G., Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga. Packaging machine. 2,584,529, Feb. 5.

Allen, Howard G., Niagara Falls, N. Y., R. W. Watkin, East Liverpool, Ohio, S. Kufel, Jr., Checktowaga, and E. I. Fisher, Kenmore, N. Y., assignors to The Edwin M. Knowles China Company, Newell, W. Va. Dinnerware finishing machine. 2,587,271, Feb. 26.

Allen, Hugh C., Astoria, N. Y. Gravity operated closure with means to form an opening in a container. 2,581,897, Jan. 8.

Allen Industries, Inc., assignee: *See*—
Gordon, Jack C.

Allen, Ivey, Jr., W. R. Marshall, Bloomfield, N. J., and G. E. Wightman, Newburgh, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Continuous polymerizing apparatus. 2,614,910, Oct. 21.

Allen, James J., and J. A. Hawkes, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of cellulose esters. 2,588,457, Mar. 11.

Allen, James J., and J. A. Hawkes, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of cellulose esters. 2,611,767, Sept. 23.

Allen, John E., Lansdale, assignor to Philco Corporation, Philadelphia, Pa. Oscillator tuning device. 2,618,705, Nov. 18.

Allen, John G., Hagley, near Stourbridge, England. Spring suspension of perambulators and the like. 2,588,456, Mar. 11.

Allen, John L., Boston, Mass. Compressor apparatus. 2,599,149, June 3.

Allen, John W.: *See*—
Wiggins, John H., and Allen.

Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Storage tank. 2,583,536, Jan. 29.

Allen, John W., assignor to J. H. Wiggins, Chicago, Ill. Dry seal gas holder. 2,606,824, Aug. 12.

Allen, Kenneth F., and V. W. Buker, St. Cloud, Minn. Control device for locking tractor brakes. 2,612,059, Sept. 30.

Allen, Lawrence A., Cleveland, Ohio. Cigarette lighter. 2,585,071, Feb. 12.

Allen, Leonard G., San Francisco, Calif. Door check. 2,592,230, Apr. 8.

Allen, Louis N., Jr., Short Hills, N. J., assignor to Chemical Construction Corporation, New York, N. Y. Producing sulfur dioxide and sulfur burner. 2,622,007, Dec. 16.

Allen, Oliver L., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Air filter. 2,591,490, Apr. 1.

Allen, Oliver L., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Rearwardly discharging tank type suction cleaner. 2,615,531, Oct. 28.

Allen, Oliver L., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Bumper mounting and nozzle assembly for suction cleaners. 2,622,263, Dec. 23.

Allen, Oliver L., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Dual purpose rug nozzle for suction cleaners. 2,622,265, Dec. 23.

Allen, Orval E., Dugger, Ind. Remote-controlled latching device. 2,616,739, Nov. 4.

Allen, Paul E., Skokie, Ill. Auto bed. 2,601,488, June 24.

Allen, Paul M. and C. M., Chicago, Ill. Box top guard. 2,615,239, Oct. 28.

Allen, Philip S., Long Beach, Calif. Film transporting mechanism for automatic photographic apparatus. 2,623,650, Dec. 30.

Allen, Raney R., Dayton, Ohio. Inlet tube for use in bait traps. 2,605,582, Aug. 5.

Allen, Raymond E., Kittery, Maine. Hydraulically operated exercising table. 2,598,204, May 27.

Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Endless track landing gear for aircraft. 2,605,146, July 29.

Allen, Richard C.: *See*—
Millman, Jacob, and Allen.

Allen, Richard E., South Orange, assignor of one-half to J. H. Bolen, Jr., Orange, N. J. Fishing device. 2,593,716, Apr. 22.

Allen, Robert E., and W. F. Utzinger, assignors to The Univis Lens Company, Dayton, Ohio. Clutch and brake for grinding apparatus. 2,585,365, Feb. 12.

Allen, Robert E., and W. F. Utzinger, assignors to Univis Lens Company, Dayton, Ohio. Lens grinder. 2,617,236, Nov. 11.

Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Throttle valve mechanism. 2,615,674, Oct. 28.

Allen, Rufus V., Chino, Calif. Live bait hook device. 2,591,764, Apr. 8.

Allen, Rufus V., Chino, Calif. Bait container. 2,600,826, June 17.

Allen, Rufus V., Chino, Calif. Magnetized window control. 2,607,961, Aug. 26.

Allen-Sherman-Hoff Company, The, assignee: *See*—
Mylting, Lauritz E.

Allen, Victor O., Madison, assignor to Wilbur B. Driver Company, Newark, N. J. Heat-treating electrical resistance alloy. 2,585,613, Feb. 12.

Allen, W. G., and Sons (Tipton) Limited, assignee: *See*—
Hale, Albert L., and Tolhurst.

Allen, William F.: *See*—
Moyer, Wendell W., and Allen.

Allen, William F., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Nutrient composition for the preparation of streptomycin. 2,596,971, May 20.

Allen, William F., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Nutrient composition for the preparation of streptomycin. 2,596,972, May 20.

Allen, William M., Glendale, assignor to Model Crafters Inc., Hamilton, Ohio. Preparing dough for baking. 2,613,620, Oct. 14.

Allen, William W., assignor to American Chemical Paint Company, Ambler, Pa. Esters of chlorinated phenoxyacetic acids. 2,596,089, May 13.

Allenbach, Armin: *See*—
Bechler, André, Allenbach, and Bueche.

Allenbrook, Charles T., New Rochelle, N. Y. Kit for artists. 2,589,320, Mar. 18.

Allenson, George T.: *See*—
Berry, Edward J., and Allenson.

Aller, Claës B., Copenhagen, Denmark. Producing bimetallic printing forms. 2,584,317, Feb. 5.

Aller, T. Dwight: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.

Aller, Willis F.: *See*—
Polk, Louis F., and Aller.

Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Fluid leakage gauging device. 2,593,957, Apr. 22.

Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Apparatus for gauging and for selecting articles according to size. 2,593,958, Apr. 22.

Allert, Berthold, East St. Kilda, Victoria, Australia. Industrial bath furnace. 2,615,702, Oct. 28.

Alles, Francis P., and W. R. Saner, North Plainfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having an anchoring substratum composed of a water-insoluble vinylpyridine polymer. 2,606,832, Aug. 12.

Alles, John J., Wilkes-Barre, Pa. Selective control apparatus. 2,598,748, June 3.

Alley, Dwight A.: *See*—
Alley, Samuel D., J. C., and D. A.

Alley, Frank H., assignee: *See*—
Jarrett, Leon R.

Alley, Henry G., Jr., Colonial Heights, Va. Cargo tester which simulates ship's motion. 2,614,413, Oct. 21.

Alley, Joseph C.: *See*—
Alley, Samuel D., J. C., and D. A.

Alley, Leslie E., assignee: *See*—
Granberg, Albert J.

Alley, Samuel D., Waldron, and J. C. and D. A. Alley, Anthony, Kans. Distributor. 2,593,516, Apr. 22.

Alliance Furniture Company, assignee: *See*—
Anderson, Stanley T.

Allied Chemical & Dye Corporation, assignee: *See*—
Alden, William H., Jr.
Beekhuis, Herman A.
Calfee, John D., and Smith.
Collins, Thomas W., Jr.
Cook, Daniel A.
Darley, Merrill M.
Farrell, James K.
Fleysher, Maurice H., and Sievenpiper.
Gilbert, Everett E.
Gilbert, Everett E., and Giolito.
Hayworth, Curtis B.
Heisler, Edward A.
Jordan, Thomas E., and Cline.
Joris, George G.
Larrison, Millard S.
Lodes, Frederick G.
Maslin, John A.
Mueller, Max B.
Ogilvie, James.
Oliveros, Reginald P.
Otto, Julian A.
Otto, Julian A., and Gilbert.
Pearson, Harry B.

Allied Chemical & Dye Corporation, assignee: *See*—Con.
Pietrusza, Edward W.
Pietrusza, Edward W., and Cosby.
Prill, Erhard J.
Robertson, Harold E., and Port.
Rogers, Stuart M.
Stasse, Henry L.
Sundstrom, Carl.
Tiddy, William, and Cooper.
Tweit, Olav M.
Williams, Thomas B.

Allied Electric Products, Inc., assignee: *See*—
Penk, Charles.
Weisberg, Sidney M.

Allied Laboratories, Inc., assignee: *See*—
Bockstahler, Earl R.
Faith, Herman E.
Gochenour, Raymond B. and A. M.

Allied Mills, Inc., assignee: *See*—
Singer, Philip A., and Deobald.

Allied Minerals, Inc., assignee: *See*—
Cook, Errol F.

Allied Research Products, Incorporated, assignee: *See*—
Hoffman, Raymond A.

Allied Shoe Machinery Corp., assignee: *See*—
Campione, Saverio J.

Alliger, Glen, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Producing N-mono-substituted sulfenamides. 2,581,921, Jan. 8.

Allin, George S.: *See*—
Elliott, Burr B., and Allin.
Miscovich, John A.

Allinquant, Fernard S., Paris, France. Mechanical sealing means. 2,608,422, Aug. 26.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Aicher, Louis C.
Aicher, Louis C., and Vogel.
Ainsworth, Chester D.
Altorfer, Hans A.
Beckwith, Sterling, and King.
Beckwith, Sterling, and Koenig.
Belich, Daniel E.
Burnham, George A.
Coulter, Leland E.
De Windt, Joseph J. and G.
Dobeus, Vander M.
Fergason, Rector C.
Hafter, Allan C.
Hauk, Joseph.
Hansen, Alfred J.
Hoffman, Sven A.
Jansson, Gustav E.
Johnson, John A.
Kenney, Clarence E., and Wilson.
King, William F.
Kuehlthau, John L.
Kuemmerlein, Edward M.
Kuemmerlein, Edward M., and Newland.
Mikolic, Charles R.
Mikolic, Charles R., and Beling.
Murphy, Bernard J.
Neenan, John L.
Newhouse, Ray C.
Nichols, Beverly R.
Norelius, Emil F.
Nye, Henry V.
Olivier, Oliver M.
Otto, Eugene J.
Paterson, Ira W.
Peter, Charles R.
Ray, James L.
Robinson, Walter, and Landry.
Roubal, Alexander J.
Schick, Frederick A.
Shaw, Ernest C.
Sikorra, Daniel J.
Sillers, Thomas G., A.
Strehlow, Walter F.
Strehlow, Walter F., and Kamlukin.
Strehlow, Walter F., O'Harrow, and Johansen.
Strehlow, Walter F., O'Harrow, and Park.
Tanke, Willard H.
Taylor, Philip L.
Volgovskoy, Boris.
Weltmer, Wilton W.
Weston, Donald E.
Wilson, Charles D.
Wilson, William F.

Allis, Louis, Company, The, assignee: *See*—
Robinson, Russell I.
Wieseman, Theodore R., and Osborn.

Allis Rubber Corporation, assignee: *See*—
Ekkebus, Eloy D., Gallagher, and Zapfel.

Allison, Charles F., Sparks, Nev. Notebook. 2,607,351, Aug. 19.

Allison Company, The, assignee: *See*—
Allison, Hugh V.
Hough, J Donald.

Allison, Donald K., Washington, D. C. Navigational device. 2,617,032, Nov. 4.

Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Resin, abrasive article incorporating same, and making same. 2,589,652, Mar. 18.

Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Abrasive wheel. 2,616,229, Nov. 4.

Allison, John L., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Pulse time position finding system. 2,584,971, Feb. 12.

Allison, Kenneth C., Crystal Lake, assignor to Grigsby-Allison Company, Inc., Arlington Heights, Ill. Riveted joint. 2,594,840, Apr. 29.

Allison, Mary L., Vancouver, British Columbia, Canada. Adjustable brassière. 2,590,915, Apr. 1.

Allison, Percy R., Felpham, assignor to Flight Refuelling Limited, London, England. Flexible hose end connection. 2,610,869, Sept. 16.

Allison, Sewell W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way trunk circuit arranged for dial-back operations. 2,586,901, Feb. 26.

Allison, William D., Detroit, Mich. Spring suspension for motor vehicles. 2,607,609, Aug. 19.

Allison, William D., Detroit, Mich. Spring suspension for motor vehicles. 2,607,610, Aug. 19.

Allison, William D., Grosse Pointe, Mich. Motor vehicle spring suspension. 2,607,611, Aug. 19.

Allison, William M., assignor to Sprague Electric Company, North Adams, Mass. Electrical bandpass network. 2,599,508, June 3.

Allman, Edward J., Bromborough, Wirral, and E. Yould, Frodsham, England, assignors to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 2,601,423, June 24.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Arvidsson, Algot.
Beckius, Ivar, and Lindström.
Carlsson, Johan E., Landau, and Törnros.
Dreyfus, Ludwig.
Forwald, Haakon.
Garde, Aage.
Garde, Aage, and Brodersen.
Gynt, Sven.
Eriksson, Herbert.
Hansing, David M.
Hedström, Sven E.
Högel, Lennart, and Jaekel.
Ladell, Emil.
Lamm, Uno.
Lamm, Uno, and Arvidsson.
Landau, Frans.
Ljungberg, Ture A.
Öfverholm, Håkan, and Forssell.
Petersén, Wilhelm H.
Rydbeck, Gösta.
Sorensen, Harald M.
Ståhane, Bertil.
Uhlmann, Erich.
Vörts, Svend A., and Nilsson.

Allphin, Alvie D. and K. A., Cody, Wyo. Portable construction hoist. 2,588,458, Mar. 11.

Allphin, Kay A.: *See*—
Allphin, Alvie D. and K. A.

Allport, John D., Burlington, Vt. Bedmaking aid. 2,620,491, Dec. 9.

Allover Manufacturing Company, assignee: *See*—
Boerger, Julius W.

Alloway, Elmer A., Sioux City, Iowa. Barber unit. 2,602,485, July 8.

Alloway, Vivian P., Craigmont, Idaho. Straw cutter. 2,611,407, Sept. 23.

Allsopp, Arthur H., Melbourne, Victoria, Australia. Maintaining kerosene or other liquid in a reservoir at an approximately constant head. 2,619,980, Dec. 2.

Allstadt, Ira, Jr., Memphis, Tenn. Coin-controlled vehicle parking system. 2,623,933, Dec. 30.

All Star Products, Inc., assignee: *See*—
Ingle, Donald P., and Reiches.

All-Steel Equipment Inc., assignee: *See*—
Abrahamson, Charles M.

Allstott, James O., Pauls Valley, Okla. Feed preparation device. 2,592,231, Apr. 8.

All Time Footwear Mfg. Co., assignee: *See*—
Binder, Hyman.

Allyn, Charles S., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Marking member containing magnetized material. 2,584,318, Feb. 5.

Allyn, Jerome D., Moorestown, N. J. Master cylinder for hydraulic brakes or the like. 2,587,023, Feb. 26.

Allyne, Rollin F., Denver, Colo. Method of and apparatus for controlling temperature of trailer cargo and the like. 2,589,031, Mar. 11.

Alm, Alexander V., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Stable combination of cation- and anion-exchange resins. 2,586,770, Feb. 26.

Alm, J. T., assignee: *See*—
Sauer, Christian H.

Alm, Oscar E., assignor to Aktiebolaget Karlstads Mekaniska Werkstad, Karlstad, Sweden. Water turbine and propeller pump. 2,616,663, Nov. 4.

Alm, Robert M.: *See*—
Fragen, Nathan, and Alm.

Almazar, Apolonio V., Pleasantville, N. Y. Reservoir type ruling pen. 2,619,069, Nov. 25.

Almes, Laurence J., Verona, Pa. Socket wrench with pilot. 2,618,189, Nov. 18.

Almgren, August E., Hillside, and J. P. Jakob, Roselle, N. J., assignors to American Can Company, New York, N. Y. Bag sealing machine. 2,590,081, Mar. 25.

Almgren, August E., Hillside, J. P. Jakob, Roselle, and F. W. Goodrich, Newark, N. J., assignors to American Can Company, New York, N. Y. Bag sealing machine. 2,590,082, Mar. 25.

Almodovar, Rafael O.: *See*—
Mendez, Francisco, and Almodovar.

Almorth, Gustav A., Higganum, Conn. Protractor. 2,614,329, Oct. 21.

Almquist, Gus, Riverside, Calif. Hay baler sleeve. 2,600,827, June 17.

Almquist, Mildred L.: *See*—
Govett, Thomas, and Almquist.

Almquist, Nils T., assignor to Landers, Frary & Clark, New Britain, Conn. Electric flatiron. 2,613,459, Oct. 14.

Almquist, Nils T., New Britain, and A. C. De Napoli, Jr., Windsor, assignors to The Soundscriber Corporation, New Haven, Conn. Machine for reprocessing phonograph record disks. 2,589,185, Mar. 11.

Almqvist, Bo K. L., Stockholm, and B. O. Elgström, Alvsjo, assignors to Aktiebolaget Supermarin, Stockholm, Sweden. Watercraft. 2,597,048, May 20.

Alol, Peter, assignee: *See*—
Telles, Vincent.

Alpert, Daniel, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Window construction. 2,584,653, Feb. 5.

Alpert, Daniel, East Pittsburgh, S. Krasik and T. D. Holstein, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Forming a cavity resonator. 2,584,717, Feb. 5.

Alpha Engineering & Machine Works, Inc., assignee: *See*—
Stanley, Richard B.
Stanley, Richard B., and Pass.

Alpine, Arthur D., Los Angeles, Calif. Kiln truck. 2,620,932, Dec. 9.

Alpine Corporation, assignee: *See*—
Lawson, Harry W.

Alquist, Francis N., and K. C. Kauer, assignors to The Dow Chemical Company, Midland, Mich. Photochemical preparation of the delta isomer of benzene hexachloride. 2,606,868, Aug. 12.

Alric, Gustave C. A., Troyes, France. Artillery training device. 2,588,904, Mar. 11.

Alsberg, Dietrich A., Berkeley Heights, N. J., and R. P. Muhlstefl, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating apparatus. 2,622,127, Dec. 16.

Alsing, Carl F., Wilbraham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulator for secondary volatile refrigerant circuit. 2,598,335, May 27.

Alspaugh, Paul L., and G. Cook, South Charleston, W. Va., assignors to Union Carbide and Carbon Corporation. Earth strata cutting indicator. 2,620,386, Dec. 2.

Alstadt, Benjamin: *See*—
Conto, James, and Alstadt.

Alstadt, Benjamin, and H. Sappey, New York, N. Y. Nursing bottle nipple. 2,582,950, Jan. 22.

Alston, Albert V., Albany, N. Y. Fisherman's gripping device. 2,616,745, Nov. 4.

Alstrand, Dale V.: *See*—
Treelease, Richard D., Sampson, and Alstrand.

Alt, Alvin F.: *See*—
Binns, Jack N., Dugle, and Alt.

Alt, Rudolph: *See*—
Goldman, Paul R., and Alt.

Alta Engineering Company, assignee: *See*—
Boyes, Mary A., and Coates.

Altar, William, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Amplitude modulator with double yield. 2,623,993, Dec. 30.

Altar, William, Pittsburgh, and O. J. M. Smith, Scranton, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inspection apparatus. 2,583,132, Jan. 22.

Altenberger, Edmund C., Plainfield, N. J., assignor to Essex Electronics. Electrical impedance unit. 2,618,749, Nov. 18.

Altenpohl, Kathryn M., executrix, assignee: *See*—
Altenpohl, William F.

Altenpohl, William F., deceased, Philadelphia; K. M. Altenpohl, executrix, assignor to K. M. Altenpohl, Lower Merion, Pa. Track scale for automatic weighing and sorting machines. 2,612,265, Sept. 30.

Alter, Albert R.: *See*—
Tellier, Joseph C., and Alter.

Alter Company, assignee: *See*—
Pesses, Marvin.

Alter, Fritz, McHenry, Ill. Golf bag trundle. 2,619,360, Nov. 25.

Alter, Harry, Company, The, assignee: *See*—
Cahenzli, Martin T., Jr., and Mack.

Altgelt, Herman E., assignor to Deere & Company, Moline, Ill. Crop baler with means for grooving bales formed thereby. 2,595,503, May 6.

Altgelt, Herman E., South Bend, Ind., assignor to The Oliver Corporation. Tying mechanism for balers. 2,610,573, Sept. 16.

Altgelt, Rudolph J., South Bend, Ind., assignor to Dearborn Motors Corporation, Highland Park, Mich. Welded plow frog. 2,622,502, Dec. 23.

Altgelt, Rudolph J., and C. H. Gemberling, South Bend, Ind., assignors to The Oliver Corporation. Subsurface and subsoil cultivator. 2,597,608, May 20.

Altham, Henry, Wrexham, North Wales. Vermin trap. 2,598,205, May 27.

Alther, Joseph G., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for catalytic conversion of hydrocarbons. 2,621,113, Dec. 9.

Alther, Joseph G., Evanston, and P. M. Van Arsdell, Chicago, Ill. Effervescent drink concentrate. 2,603,569, July 15.

Althoff, Raymond, Somerville, N. J. Machine for packing bottles with relatively small objects. 2,587,584, Mar. 4.

Althouse, William S., Jr.: *See*—
Baker, Reuben C., and Althouse.

Althouse, William S., Jr., Arcadia, assignor to Baker Oil Tools, Inc., Vernon, Calif. Cement basket. 2,602,514, July 8.

Altiere, Daniel M., South Round Brook, N. J., and R. A. Burton, South Euclid, assignors to The Sherwin-Williams Co., Cleveland, Ohio. Dispensing container for dust. 2,591,653, Apr. 1.

Altiere, Lois, assignee: *See*—
Torrese, Apollo.

Altiere, Peter, assignee: *See*—
Torrese, Apollo.

Altieri, Onorino, assignor of one-half to L. Rettinger, Cecil, Pa. Door-gasket corner cutting tool. 2,582,736, Jan. 15.

Altman, Elston, Valdosta, Ga. Peach pitting machine. 2,585,073, Feb. 12.

Altman, Elston, Valdosta, Ga. Pear coring machine. 2,588,790, Mar. 11.

Altman, Peter, assignor to Continental Motors Corporation, Detroit, Mich. Power plant. 2,595,558, May 6.

Altmann, George O., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Insulation of ferromagnetic particles. 2,597,276, May 20.

Altmann, George O., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Production of metal carbonyl powders of small size. 2,612,440, Sept. 30.

Altmann, Josef, Salzburg, Austria. Chimney structure. 2,591,906, Apr. 8.

Alton Box Board Company, assignee: *See*—
Breyfogle, Roy H.
Breyfogle, Roy H., and Hollis.
Hollis, Robert F.

Alton, Sidney L., Waterdown, Ontario, Canada. Jack engaging hub bracket for detachable automobile disk wheels. 2,616,665, Nov. 4.

Altorfer Bros. Company, assignee: *See*—
Castricone, John A.

Altorfer, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine system with means providing for expansion and contraction. 2,592,372, Apr. 8.

Altorfer, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combustion turbine burner. 2,611,651, Sept. 23.

Altorfer, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Compensated expansion joint. 2,616,255, Nov. 4.

Altovsky, Vladimir A., and G. Goudet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Vacuum tube with ultrahigh frequency. 2,621,304, Dec. 9.

Altschul, Aaron M., and L. E. Castillon, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Water-soluble combination products of gossypol and proteins. 2,581,342, Jan. 8.

Altschul, Aaron M., and L. E. Castillon, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Water-soluble combination products of gossypol and amino acids. 2,582,949, Jan. 22.

Altschul, Aaron M., M. Z. Condon, and M. G. Lambou, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Preventing deterioration of seeds. 2,584,972, Feb. 12.

Alumiline Corporation, The, assignee: *See*—
Kahn, August.

Aluminex Incorporated, assignee: *See*—
Estey, James R.

Aluminium Laboratories Limited, assignee: *See*—
James, William A.
Phillips, Norman W. F.
Scheuer, Ernst.

Aluminiumwerke Goettingen G. m. b. H., assignee: *See*—
Messerschmidt, Otto.

Aluminum Air Seal Manufacturing Company, assignee: *See*—
Webster, Clifford L.

Aluminum Company of America, assignee: *See*—
Ferner, Warren E., Alexander, Robinson, and Streeter.
Bobb, Russell V., and Brunger.
Brown, Ralph W.
Cochran, William C.
Edwards, Junius D.
Fischer, Edward F.
Frary, Francis C.
Gardner, George R.
Harris, Wesley W., and Brown.
Kipp, Egbert M.
Kohl, George C.
Lyle, John P., Jr.
Mahns, Maurice W.
Mears, Robert B.
Miller, Mike A.
Noyes, Maxwell E.
Roberts, Wayne B.
Russell, Charles R.
Russell, George F., Jr.
Short, Herbert M.
Thomas, John W.
Traenkner, Frederick O.
Weir, James, and Dulin.
Wheeler, Edward M.
Wray, Robert I., and Roberts.

Alvare, Nemesio F., Philadelphia, Pa. Self-loading motor truck. 2,604,219, July 22.

Alvarez, Luis W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna system with variable directional characteristic. 2,605,413, July 29.

Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Phonograph record. 2,587,427, Feb. 26.

Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.

Alvarez-Tostado, Claudio, and W. B. Harlow, Palo Alto, Calif. Production of silicon sulfide. 2,589,653, Mar. 18.

Alves, Manuel S., Mount Shasta, Calif. Shingle or shake holding jig. 2,620,696, Dec. 9.

Alvey, Betty A., San Bernardino, Calif. Adjustable shower apparatus. 2,598,092, May 27.

Alvey-Ferguson Company, The, assignee: *See*—
Smith, Donald P.
Sullivan, Norman M.

Alvord, Charles C., assignor to Norton Company, Worcester, Mass. Plural liquid unit for grinding machines. 2,595,559, May 6.

Alvord, Grove D., Indiana, assignor to Syntron Company, Homer City, Pa. Liquid solid separator. 2,585,719, Feb. 12.

Alward, Francis, Cambridge, assignor to J. B. Howard, trustee, Marblehead, Mass. Method and apparatus for controlling the crankcase pressure in internal-combustion engines. 2,612,150, Sept. 30.

Alward, Kenneth J., South Bend, Ind. Hydraulic actuator. 2,590,144, Mar. 25.

Alyea, Harold W., Waukesha, assignor to Johnson Service Company, Milwaukee, Wis. Pneumatic relay. 2,601,867, July 1.

Amalgamated Tobacco Corporation, Limited, assignee: *See*—
Treble, Frederick R.

Amana Refrigeration, Inc., assignee: *See*—
Cooper, La Mar S.

Amanatides, George, New York, N. Y. Upright broiler. 2,581,570, Jan. 8.

Amar, Shafeek, Minneapolis, Minn. Ice-cutting device. 2,623,149, Dec. 23.

Amato, Natale S., and W. I. Lambert, Portland, Oreg. Antirattle device for vehicle windows. 2,616,755, Nov. 4.

Amberg File and Index Company, assignee: *See*—
Amberg, Gilbert W.

Amberg, Gilbert W., assignor to Amberg File and Index Company, Kankakee, Ill. Transparent sheet protector. 2,592,373, Apr. 8.

Amberg, Lyle O., Landenberg, Pa., assignor to Hercules Powder Company, Wilmington, Del. Preservation of a rubber with a terpene modified phenol. 2,606,886, Aug. 12.

Amberg, Walter E., Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation, Chicago, Ill. Forming paper closure members for paper containers. 2,595,046, Apr. 29.

Ambler, Robert R.: *See*—
Davis, Edward A., and Ambler.

Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for vulcanizing endless belts. 2,598,655, May 27.

Amborski, Leonard E., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitric acid treatment of polyethylene terephthalate structures. 2,597,557, May 20.

Ambrose, John, Wind Gap, Pa. Insecticidal powder container and duster. 2,610,432, Sept. 16.

Ambrosio, Biagio F.: *See*—
Luhn, Hans P., Ambrosio, and Dean.

Amdursky, Mark E.: *See*—
Szegho, Constantin S., and Amdursky.
Szegho, Constantin S., Amdursky, and Reed.

Amdursky, Mark E., Chicago, and T. S. Noskowicz, Woodale, Ill., assignors to The Rauland Corporation. Cathode-ray tube for color television systems. 2,612,614, Sept. 30.

Amelung, Alexander F., Kansas City, Mo. Hook having releasable safety locking means. 2,603,524, July 15.

Amend, Jacob E., deceased, Brighton, Colo., by M. E. Amend, administratrix, Brighton, Colo. Beet topping machine. 2,596,757, May 13.
Amend, Marie E., administratrix: *See*—
Amend, Jacob E.
Amer, Myrtle A., Long Beach, Calif. Body supported mirror holder device. 2,583,803, Jan. 29.
American Aggregate Company, assignee: *See*—
Ryner, Arthur.
American Air Filter Company, Inc., assignee: *See*—
Dahlman, Verner.
American Airmotive Corporation, assignee: *See*—
Hathaway, Orla N.
American Biltrite Rubber Co. Inc., assignee: *See*—
Greenbaum, Arthur.
American Bitumuls & Asphalt Company, assignee: *See*—
Manzer, Donald N.
McCoy, Paul E.
American Blower Corporation, assignee: *See*—
Beranek, Rudolph B.
Foley, Raymond B.
Simmons, Lance L.
American Bosch Corporation, assignee: *See*—
Berlyn, Martin J., and Nystrom.
Chmura, Theodore S., and Wood.
Coe, Frank S.
High, Carl F.
Hopkins, William R.
Nichols, Edwin A.
Weldy, Robert K.
Wood, George B., Jr.
American Box Board Company, assignee: *See*—
Anderson, Wilbur G., Jr., and Kohlhepp.
American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.
Gilbert, Stanley A.
Mantle, Burr W.
Olson, Walter J.
Price, Donald A., Sr.
Ratkowski, Thomas A.
American Cabinet Hardware Corporation, assignee: *See*—
Borchers, Earl M., and Ahlgren.
American Can Company, assignee: *See*—
Agerton, Joseph T.
Almgren, August E., and Jakob.
Almgren, August E., Jakob, and Goodrich.
Blakey, John G.
Brager, Leif N., and Borkmann.
Cabot, Walter K.
Calkins, Chauncey L.
Cummings, Roy E.
Czarnecki, John D.
Eckman, George E.
Erb, George C.
Geertsen, Nelson.
Greubel, Paul W.
Heinle, Carl W.
Heinle, Carl W., and Dobbins.
Hoffman, Ernest.
Huntar, Felix, and Frey.
Jenkins, John G., and Barger.
Jones, Lyman L.
Kuehne, Herbert A.
Maher, William W.
Melzer, Julius.
Nordquist, Ronald E. J.
Odquist, Harold T., and Macoy.
Paynter, Horace J., and Derrer.
Pechy, William.
Pottle, Ralph K.
Preis, Carl G.
Preis, Carl G., and Nordquist.
Reid, George C., and Jacobs.
Selbelli, Frank.
Socke, John E.
Trelease, Richard D., Sampson, and Alstrand.
White, Arthur J.
American Car and Foundry Company, assignee: *See*—
Bradfield, George K., Jr.
Burgess, Francis T.
Burnett, William E.
Clarke, Allen W., and Krautheim.
Dietrichson, William F.
Euwer, Herbert D.
Folmsbee, Clyde H.
Folmsbee, Clyde H., and Martis.
Kepner, Robert C.
Kuhler, Otto A.
Kuhler, Otto A., and Burnett.
Martin, Charles L.
Montgomery, William E.
Patton, John W., and Cudini.
Shields, Robert A.
Soutar, John.
Toth, Michael C.
Udstad, Sigvald F.
Walsh, Robert, and Kennedy.
American Carry-Products Company, Inc., assignee: *See*—
Heideman, Robert C.
American Cast Iron Pipe Company, assignee: *See*—
Moxley, Stephen D.
American Chain & Cable Company, Inc., assignee: *See*—
Bratz, Otto J.
Gilmore, William J.
Kistler, Irwin D.
Sklar, David F.
American Chemical Paint Company, assignee: *See*—
Allen, William W.
American Cholesterol Products, Inc., assignee: *See*—
Moolten, Sylvan E.
American Coating Mills Corporation, assignee: *See*—
Moore, Lawrence A.
American Coin Changer Corp., assignee: *See*—
York, Ernest E.
American Crop-Drying Equipment Company, assignee: *See*—
Andersen, Arthur A., and Mathews.
American-Cyanamid Company, assignee: *See*—
Aagaard, Fridtjof.
Adams, Frederic H.
Allen, Charles F., and Booth.
Alm, Alexander V.
Anderson, George W.
Anthes, John A., and Dudley.
Arnow, Peter.
Baker, Bernard R.
Banks, Reginald M., and Lahey.
Bernstein, Seymour, and Antonucci.
Bernstein, Seymour, and Giancola.
Bernstein, Seymour, Giancola, and Sax.
Bernstein, Seymour, and Sax.
Booth, Robert B., and Morris.
Boothe, James H.
Borstelmann, Joseph L., and Fordemwalt.
Burnell, Maurice R., and Lynn.
Cadwell, Leonard E., and Frazier.
Casebolt, George S.
Chao, Tsai H., and Wharton.
Clapp, James W., and Roblin.
Clapp, Richard C.
Clapper, Thomas W., and Klustler.
Consulich, Donna B.
Cook, Elmer W.
Cook, Elmer W., and Moss.
Cook, Elmer W., Moss, and Hook.
Cresswell, Arthur.
Cresswell, Arthur, and Cummings.
Cresswell, Arthur, and Wizon.
Daniel, John H., Jr., and Landes.
Daniel, John H., Jr., and Petropoulos.
Daniel, John H., Jr., Wilson, Hastings, and Landes.
Davis, Arnold R., and Henderson.
De Boer, Carl J.
Denton, John J., and Schedl.
Dixon, James K.
Donofrio, Alfonso M.
Dudley, James R.
Dudley, James R., and Anthes.
Erickson, John G.
Erickson, John G., and Thomas.
Erickson, John O., Stamm, and Libby.
Fahrenbach, Marvin J.
Fluck, Linton A., and Lynn.
Frederiksen, Erling, and Nielsen.
Frederiksen, Erling K., and Nielsen.
Fordemwalt, Frederick.
Forzley, Victor G., and Sonnino.
Gabel, Joseph W., and Loukomsky.
Germann, Richard P., Hultquist, and Smith.
Goldman, Angela A., and Waller.
Goldman, Leon.
Hill, Arthur J., and Maynard.
Hook, Edwin O., and Cook.
Hook, Edwin O., and Moss.
Houpt, Alfred G.
Hultquist, Martin E., and Howard.
Hultquist, Martin E., and Smith.
Jukes, Thomas H.
Kaiser, Donald W.
Kaiser, Donald W., and Hopper.
Klenle, Roy H., and Pelker.
Klenle, Roy H., and Whitcomb.
Klapproth, William J., Jr.
Kropa, Edward L.
Kropa, Edward L., and Dunne.
Kropa, Edward L., and Nyquist.
Kropa, Edward L., and Padbury.
Kropa, Edward L., and Wohnsiedler.
Kuh, Erwin.
Kuh, Erwin, and Stewart.
Landes, Chester G., and Studeny.
Lane, Leslie C.
Lecher, Hans Z., and Chao.
Lecher, Hans Z., and Eberhart.
Lecher, Hans Z., and Whitehouse.
Lindenfelser, Richard, and Kilthau.
Long, Robert S., and Tsang.
Loukomsky, Serge A., and Stearns.
Lundberg, Lennart A.
Mackay, Johnston S.
Malcolm, Wilbur G., and Vance.
Marsh, Nat H.
Maxwell, Charles S.
McSheehy, Justin A., and Raimond.
Mead, John C., and Schneider.

American Cyanamid Company, assignee: *See*—Continued.
Mowat, John H., and Waller.
Nagy, Daniel E.
Niedercorn, Joseph G.
Nolan, Kenneth G., and Fletcher.
Nyquist, Arthur S.
Osborne, Jacqueline.
Padbury, John J., and Kropa.
Parker, Robert P., Seeger, and Kuh.
Patterson, Donald G.
Patterson, Donald G., and Turner.
Petty, Milton A.
Pfann, Harry F., and Kropa.
Pidacks, Charles, and Sieger.
Pidacks, Charles, and Starbird.
Pletzsch, Kurt F.
Price, John A.
Ritson, Daniel D.
Royer, George L., and Amick.
Scalera, Mario, and Stewart.
Schaefer, Frederic C., and Drechsel.
Schmutzler, Alfred F.
Simons, William G.
Smith, James M., Jr.
Stamm, Robert F.
Stamm, Robert F., and Mariner.
Stamm, Robert F., Mariner, Barnes, and Stryker.
Stansly, Philip G., Shepherd, and Winterbottom.
Stewart, Hugh W.
Stirn, Frank E., and Taylor.
Stroh, Grace R.
Suen, Tzeng J., and Schiller.
Swainson, Swain J., Herkenhoff, and Lowe.
Thomas, Walter M., and Kropa.
Thomas, Walter M., and Price.
Thurston, Jack T.
Thurston, Jack T., and Adams.
Tsang, Slen M.
Tullsen, Volney.
Tullsen, Volney, and Pfeiffer.
Turner, Richard J.
Van Order, Robert B.
Vaughan, James R., Jr.
Waletzky, Emanuel, and Bliznick.
Waller, Coy W., and Mowat.
Weidenheimer, Joseph F., and Reed.
West, Herbert J.
Whitehouse, Karl C., and Lecher.
Wilson, Lucius H., and Landes.
Wilson, Lucius H., Landes, and Maxwell.
Wohnsiedler, Henry P., and Kropa.
Wohnsiedler, Henry P., Kropa, and Thomas.
Young, Richard W.
American Cystoscope Makers, Inc., assignee: *See*—
Galler, William.
Held, Joseph E.
Wallace, Frederick J.
American Dairies Incorporated, assignee: *See*—
Graham, William R., Jr., and Chrisman.
Graham, William R., Jr., Kohler, and Hoover.
Turner, Charles W.
Turner, Charles W., and Reineke.
American Defibrator Inc., assignee: *See*—
Messing, Hjalmar S.
American District Telegraph Company, assignee: *See*—
MacDonald, Leslie A., and Mancke.
American Electrical Heater Company, assignee: *See*—
Thomas, Laurence H., and Kuhn.
American Electro-Mechanics, assignee: *See*—
Maltz, Max L.
American Engineering Company, assignee: *See*—
Midgette, Ernst L.
American Enka Corporation, assignee: *See*—
Griset, Ernest J., Jr.
Henry, William V.
Jackson, Arthur L.
Kayser, Guillaume M. A., Meys, and van Dijk.
Rutgers, Ulrich J.
V. Nes, Robbert, and Lelij.
Van Nouhuys, Herman L.
American Envelope Company, The, assignee: *See*—
Showalter, Frank W.
American Felt Company, assignee: *See*—
Boeddinghaus, Hugo P., Freyer, and Sanford.
Freyer, Bela, and Sanford.
Robbins, Ralph L., and Freyer.
American Floor Surfacing Machine Company, The, assignee: *See*—
Dolan, Francis D.
American Forging and Socket Company, assignee: *See*—
Rhodes, Albert J.
Watts, Daniel M., and Brown.
American Gas Accumulator Company, assignee: *See*—
Oestnaes, Victor L.
American Gas Association, Incorporated, assignee: *See*—
Hall, Edwin L.
American Hair & Felt Company, assignee: *See*—
Clements, Arthur L.
American Hard Rubber Company, assignee: *See*—
Reppert, Roland.
American Hardware Corporation, The, assignee: *See*—
McConnell, Frank.
Welch, Nicholas A.
Welch, Nicholas A., and Zelgenhein.
American Home Foods, Inc., assignee: *See*—
Schermerhorn, George R., Sr., and Hinz.
American Home Products Corporation, assignee: *See*—
Kern, Charles J., Antoshkiw, and Maiese.
American Hospital Supply Corporation, assignee: *See*—
Erikson, Eben W.
Johnson, Roy.
American Instrument Company, Inc., assignee: *See*—
Morris, Nathan.
American-La France-Foamite Corporation, assignee: *See*—
Russell, Richard F.
Smith, Cecil H.
American Laundry Machinery Company, The, assignee: *See*—
Creswick, Edward A., and Johnson.
Johnson, Oscar W.
Howland, Frederick W.
Huebsch, Monte F.
American Linen Supply Co., assignee: *See*—
Birr, Rudolph G.
Birr, Rudolph G., and Steiner.
American Locker Company, Inc., assignee: *See*—
Belmel, Henry L.
Davis, Elmer W.
McCarthy, Charles S.
Stackhouse, Francis D., Jr.
American Locomotive Company, assignee: *See*—
Cooke, Edward F., Jr.
Fryer, Ross L., Jr.
Nichols, William M.
Vaughn, Paul S.
American Machine & Foundry Company, assignee: *See*—
Beutel, Robert J.
Brookhuysen, William C.
Clark, Joseph C.
Frye, Sanders A.
Hagquist, Gustaf E.
Jacobus, David D.
Jensen, Thormod.
Larsen, Carl H.
Millman, Jacob, and Stabler.
Nejedly, Peter M., and Johansson.
Patterson, Morehead.
Pedersen, Mathias.
Pohl, Ernest E.
Rumsey, Rollin D.
Rundell, Rupert E.
Schmidt, Gottfried J.
Smith, Ernest F.
Sowa, Frank J.
American Machine and Metals, Inc., assignee: *See*—
Buffenmyer, Wayne L.
Buss, Benjamin A., and Miller.
Le Van, Ambrose E.
Terwelp, Edward J., and Waggett.
Widlgen, Albert F.
American Manufacturing Company, Inc., assignee: *See*—
Croston, Edward L.
American Marsh Pumps, Inc., assignee: *See*—
Barton, Benjamin D.
American Metal Company, Ltd., The, assignee: *See*—
Ednie, James F.
Gebler, Kenneth A.
Graves, Ritson H., and Ednie.
American Metal Products Company, assignee: *See*—
Haberstump, Alfred H.
American Meter Company, assignee: *See*—
Gray, Robert B.
American Meter Company, Incorporated, assignee: *See*—
Menkemeller, Raymond.
American MonoRail Company, The, assignee: *See*—
Becker, Francis N., and de V. Miller.
Moore, Ralph T.
Simon, Andrew B.
American Muffler Co., assignee: *See*—
Moore, Harvey G., and Karpoff.
American-National Bag & Burlap Co., Inc., assignee: *See*—
Spitz, Isidor.
American National Bank and Trust Company of Chicago, administrator: *See*—
Coombs, Leslie W.
American National Dispensing Co., assignee: *See*—
Price, Richard D.
American Optical Company, assignee: *See*—
Barnes, Robert B.
Barrington, John W.
Beltz, Richard C.
Bergmann, Andrew M.
Bernheim, Daniel P., and Silverberg.
Cole, Henry B.
Critoph, David I.
Critoph, David I., Herrmann, and Wolford.
Davis, John K.
De Revey, Arpad G.
Ellis, Charles A.
Ellis, Charles A., and Cole.
Gile, Richard M.
Gradisar, Albin A.
Grosvenor, Benjamin.

American Optical Company, assignee: *See*—Continued.
Gunning, William A., and Favre.
Jardon, Fritz W.
Jardon, Fritz W., and Bennett.
Johnson, John O.
Mahler, Joseph.
Marsters, Alton K.
Moulton, Harold R.
Moulton, Harold R., and Mahler.
Moulton, Harold R., and Tillyer.
Noelle, Conrad J.
Pincus, Alexis G.
Polanyi, Michael L.
Reardon, Joseph D., and Peters.
Rosenthal, Paul, Polanyi, and Gottlieb.
Royce, Virginia B.
Schauweker, George H.
Schmidt, William J.
Splaine, Edward M.
Thorburn, Milton R.
Tillyer, Edgar D., and Bennett.

American Ozone Company, assignee: *See*—
Daily, James M.

American Perforator Company, The, assignee: *See*—
Anderson, John R.

American Phenolic Corporation, assignee: *See*—
Klostermann, Curt W.
Quackenbush, Edward C.

American Pipe and Construction Co., assignee: *See*—
Butler, Adolf G.
Jenkins, Fred F.
Jobe, Herman T.
Rankin, Donald H., and Little.
Whiting, William A.

American Pipe & Steel Corporation, assignee: *See*—
Cadwell, Ralph K.

American Pop Corn Company, assignee: *See*—
Smith, Howard C.

American Potash & Chemical Corporation, assignee: *See*—
Lundy, Daniel.
May, Frank H.

American Pulley Company, The, assignee: *See*—
Christian, Joseph D.
Williams, William A.

American Reenforced Paper Company, assignee: *See*—
Stevenson, Allan B., and Cannard.

American Register Company, assignee: *See*—
Nyman, Harold G.

American Rice Growers Cooperative Association, assignee: *See*—
Cassidy, Millard M., and Nawry.

American Safety Table Co., Inc., assignee: *See*—
Smith, Truman E.
Volgt, Max T.

American Scientific Laboratories, Inc., assignee: *See*—
Eriksen, Sivery, and White.

American Sealcone Corporation, assignee: *See*—
Merkle, Alfred.

American Seating Company, assignee: *See*—
Barecki, Chester J.
Glelow, George F., and Edwards.
Hoven, Alfred C., and Nordmark.
Hoven, Alfred C., Nordmark, and Huhta.
Hoven, Alfred C., Nordmark, and Lindberg.
Merrill, Ralph K., Hoven, and Nordmark.
Morgan, Erving B.
Morgan, Erving B., and Placheckl.
Nordmark, Walter E.
Nordmark, Walter E., Miller, and Poel.
Patterson, Robert C.

American Security and Trust Company, executor: *See*—
Custis, James B. G., and Post.

American Ship Building Company, The, assignee: *See*—
Kestner, Matthew W. and H. M.

American Specialty Company, The, assignee: *See*—
Griswold, Donald W., and Ricket.

American Speedlight Corporation, assignee: *See*—
Parker, Harry L.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Bachman, Fred E.
Baselt, Walter H.
Cope, Harold.
Cottrell, Robert B.
Febrey, Harold H.
Greenawalt, Elmer J.
Kinne, Edmund P.
Leonard, William E.
Light, David M.
Neumann, Otto W., and O'Neil.
Sedgwick, Robert K.
Tack, Carl E.
Watts, Raymond.

American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Baselt, Walter H.
Clasen, Claus J. W.
Cottrell, Robert B.
Flesch, John E.
Kayler, Frank H.
Lehrman, Leo A.

American Steel Foundries, assignee: *See*—Continued.
Schlegel, Walter L., Jr.
Sedgwick, Robert K.
Tack, Carl E.
Watts, Raymond.
Whitney, Loren L.

American Sterilizer Company, assignee: *See*—
Alexander, Horace W.
Jewell, Raymond L.
Jewell, Raymond L., and Dyckes.
Jewell, Raymond L., and Freese.

American Telephone and Telegraph Company, assignee: *See*—
Clos, Charles.
Perry, Donald B.
Shepherd, Judson O.
Shepherd, Judson O'D.

American Theatre Supply Corporation, assignee: *See*—
Pinnaskl, Samuel.

American Throttle Company, Inc., assignee: *See*—
Griffin, Joseph F.

American Time Products, Inc., assignee: *See*—
Dostal, Frank.

American Tobacco Company, The, assignee: *See*—
Schoenbaum, Alexander W., and Ashworth.
Wray, William E.

American Tool & Machine Co., assignee: *See*—
Tholl, John E.

American Tool Works, The, assignee: *See*—
Hery, Vincent D., and Rich.

American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
Turchan, Manuel, and Hoelscher.

American Totalisator Company, Inc., assignee: *See*—
Montgomery, John R.

American Truck and Body Company, Inc., assignee: *See*—
Seidle, Ralph E.

American Trust Company, executor: *See*—
Sweetland, Ernest J.

American Type Founders, Inc., assignee: *See*—
Hernblad, Nils G.
Pollock, Willard M.

American Union Transport, Inc., assignee: *See*—
Otter, Richard M.

American Viscose Corporation, assignee: *See*—
Allen, George M.
Anglada, Joseph A.
Bailiff, Fred H., and Wicker.
Battista, Orlando A.
Bauer, Ernest K.
Bauer, Ernest K., and James.
Bolger, Paul E.
Brillhart, William O.
Castellan, Carl A.
Chaney, David W.
Conti, John D.
Cornwell, Ralph T. K.
Cornwell, Ralph T. K., and Zender.
Crawley, William P.
Dalton, Masten R.
Davis, Joseph C., Cornwell, and Hansen.
De Brabander, Camiel.
Derk, Charles W.
Detwiler, George T.
Dooley, William P.
Francis, Carleton S., Jr.
Fry, Horace P., Jr.
Furness, William H.
Gollong, Richard J.
Goodwin, Chester H.
Guy, Warren H.
Haley, Hugh D.
Hanse, William C.
Heffelfinger, Robert D.
Heffelfinger, Robert D., and Trultt.
Hoxie, Howard M.
Johnson, Thomas H., and Thompson.
Knopp, Wallace A.
Knopp, Wallace A., and Nash.
Koster, Frederick W., and Oberly.
Kulp, Maurice P., and Vandenburgh.
Kunz, Walter B.
Luttge, William G.
MacHenry, Richard.
MacHenry, Richard, and Martin.
McDermott, Henry J.
McGinn, James B.
Merion, Howard D., and McDermott.
Miles, John A.
Miller, Hugh, and Kreamer.
Milne, David T.
Nellis, Adin A., Jr.
Oberly, Louis A.
O'Malley, Thomas R.
Pearson, Frank G.
Peterson, Leroy E., and Dart.
Richter, George A., Jr.
Roberts, Ingham S.
Sarver, Landon A.
Schappel, Joseph W.
Shearer, Howard E.
Sisson, Wayne A.
Spence, Harry R., Jr.

American Viscose Corporation, assignee: *See*—Continued.
Steinfeld, Hans K.
Stanley, Richard W., and Lowe.
Tingley, Arthur N.
Truitt, Joseph A.
Walmsley, Leslie L.
Wicker, Dan B., Yehling, and Moody.
Yourtee, John A.

American Vitos Company, Inc., assignee: *See*—
Vitoux, Marcel.

American Water Works Company, Incorporated, assignee: *See*—
Murphy, John B.

American Wheelabrator & Equipment Corporation, assignee: *See*—
Straub, John C.

American Windshield & Specialty Co., The, assignee: *See*—
Gaetano, Lawrence J.

American Woolen Company, assignee: *See*—
Dunn, Harold C.

American Zinc, Lead & Smelting Company, assignee: *See*—
Calbeck, John H.
MacIntire, Walter H.

Amering, Charles F.: *See*—
Yackel, Edward C., and Amering.

Amerio, Pasquale, Hasbrouck Heights, N. J. Freezing apparatus. 2,608,069, Aug. 26.

Amersil Company, Inc., assignee: *See*—
Lefebvre, Fred L.

Amerslav, Andrew F., Minneapolis, Minn. Folded sheet dispenser. 2,602,013, July 1.

Ames, B. C., Co., assignee: *See*—
Ames, Warren.

Ames, Butler, Boston, Mass. Electrical cooking apparatus. 2,581,343, Jan. 8.

Ames, Butler, Boston, Mass. Apparatus for use in cooking food. 2,601,850, July 1.

Ames, Butler, Boston, Mass. Utensil lifter. 2,607,619, Aug. 19.

Ames, Butler, Boston, Mass. Apparatus for distilling by radiant energy. 2,616,839, Nov. 4.

Ames, Butler, Boston, Mass. Electrically energized cooker. 2,617,008, Nov. 4.

Ames, Butler, Boston, Mass. Baking. 2,621,616, Dec. 16.

Ames, Butler, Boston, Mass. Walkabout. 2,621,707, Dec. 16.

Ames Crosta Mills & Company Limited, assignee: *See*—
Bolton, James F.

Ames, Fletcher, Palo Alto, assignor to Ames Harris Neville Co., San Francisco, Calif. Cam actuated bag closure mechanism. 2,599,738, June 10.

Ames, H. Sterling, assignee: *See*—
Jackson, William J. R.

Ames Harris Neville Co., assignee: *See*—
Ames, Fletcher.

Ames, Robert G., assignor of one-fifth to G. W. Williams, one-fourth to S. Ames, Burlingame, Calif., one-tenth to L. H. W. Aull, one-tenth to K. A. Williams, and one-tenth to G. W. Williams, III. Mastic applying and corner finishing tool. 2,594,606, Apr. 29.

Ames, Stanley, assignee: *See*—
Ames, Robert G.

Ames, Walter F., Jr., assignee: *See*—
Meyers, Albert E.

Ames, Warren, Newton, assignor to B. C. Ames Co., Waltham, Mass. Opposed contact distance mensure. 2,605,551, Aug. 5.

Ames, Warren, Newton, assignor to B. C. Ames Co., Waltham, Mass. Gauge. 2,608,947, Sept. 2.

Amey, Georges, Les Loges en Josas, assignor to Societe Anonyme dite: Automobiles Industriels Latil, Suresnes, France. Tractor coupling arrangement. 2,593,645, Apr. 22.

Amiard, Gaston: *See*—
Velluz, Léon, and Amiard.
Velluz, Léon, Amiard, and Bartos.

Amick, Chester A.: *See*—
Royer, George L., and Amick.

Amick, Erwin H., Jr., Linden, N. J., assignor to Standard Oil Development Company. Modified weak-acid isopropanol process. 2,609,400, Sept. 2.

Amico, Joseph A., Rochester, N. Y. Arch support. 2,613,455, Oct. 14.

Amico, Joseph A., Rochester, N. Y. Arch support and metatarsal pad. 2,613,456, Oct. 14.

Amico, Salvatore F., East Boston, assignor to Sylvania Electric Products Inc., Salem, Mass. Crystal amplifier device. 2,615,965, Oct. 28.

Amiet, Oscar, La Chaux de Fonds, assignor to Mistress A. Murbach, Colombier, Switzerland. Collet feed mechanism for automatic cutting machines. 2,583,314, Jan. 22.

Amiet, Oscar, La Chaux de Fonds, Switzerland, assignor to Mistress A. Murback. Automatic cutting machine. 2,594,708, Apr. 29.

Amino Acids, Inc., assignee: *See*—
Trexler, Philip C.

Amity Leather Products Co., assignee: *See*—
Jeffery, David B.
Weiss, Arnold A.

Ammerall, Albert J.: *See*—
Faris, Harold P., and Ammerall.

Ammerall, Albert J., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Tension device. 2,614,773, Oct. 21.

Amm-I-Dent, Inc., assignee: *See*—
Lewis, John B., and Kenner.

Aminlung, Louis C., Jr., assignor to Philco Corporation, Philadelphia, Pa. Phonograph tone arm supporting and adjusting arrangement. 2,587,677, Mar. 4.

Ammon, Justin G., Rehoboth Beach, Del. Fishing plug. 2,616,206, Nov. 4.

Ammon, Millard G.: *See*—
McIntyre, Glenn H., and Ammon.

Ammon, Roscoe A., Manchester, N. H., assignor to Contact, Inc., Cambridge, Mass. Soldering tweezers. 2,623,152, Dec. 23.

Amo, Claude J., Ogdensburg, N. Y. Two compartment mailbox. 2,583,623, Jan. 29.

Amo, Claude J., Ogdensburg, N. Y. Combination lock. 2,584,655, Feb. 5.

Amon, Charles M., Youngstown, Ohio. Resilient switch crank. 2,585,211, Feb. 12.

Amonsen, George H., Minneapolis, Minn. Power transmission mechanism. 2,589,032, Mar. 11.

Amori, Joseph A., San Jose, Calif. Fruit handling apparatus. 2,622,719, Dec. 23.

Amorino, Victor A., West New York, and L. C. Bizzarro, Long Branch, N. J. Culinary implement for applying spread to foodstuffs. 2,581,745, Jan. 8.

Amoroso, John R., Brooklyn, N. Y. Protective buffer for children. 2,621,327, Dec. 16.

Amos, James L., assignor to The Dow Chemical Company, Midland, Mich. Preparing vinylidene chloride. 2,610,214, Sept. 9.

Amos, James L., J. L. McCurdy, and A. W. Hanson, assignors to The Dow Chemical Company, Midland, Mich. Production of molding granules. 2,601,200, June 17.

Amos, James L., and L. H. Silvernail, Midland, and F. J. Soderquist, Essexville, assignors to The Dow Chemical Company, Midland, Mich. Preparation of a dehydrogenation catalyst. 2,603,610, July 15.

Amoskeag Machine Co., assignee: *See*—
Zindt, Albert.

Amour, James, Frackville, Pa. Coal cleaning machine 2,604,990, July 29.

Ampco Metal, Inc., assignee: *See*—
Klement, John F.

Ampex Electric Corporation, assignee: *See*—
Lindsay, Harold W.

Ampro Corporation, assignee: *See*—
Barany, Edmund.
Barany, Edmund, and Sackter.
Bauman, Harold W., and Sackter.
Kuhlow, Herbert F.
Ress, Thomas I.

Ams, Max, Machine Company, The, assignee: *See*—
Diezel, Willy H.

Amsel, Lawrence, Philadelphia, Pa. Educational toy. 2,612,708, Oct. 7.

Amsler, Alfred J., & Co., assignee: *See*—
Falk, Olaf.
Russenberger, Max.

Amsler, Rudolf, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen on Rheinfall, Switzerland. Variable delivery positive displacement. 2,591,491, Apr. 1.

Amstutz, Arnold: *See*—
Thommen, Hans, and Amstutz.

Amstutz, Christian B., Clawson, Mich. Boring bar holder. 2,594,532, Apr. 29.

Amstutz, Edward D., Bethlehem, Pa., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. 2-amino-7-heterocyclicaminothioxanthenes. 2,592,529, Apr. 15.

Amstutz, Edward D., Bethlehem, Pa., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Mono-N-heterocyclic derivatives of 4,4′-diaminodiphenylsulfone. 2,602,790, July 8.

Amy, Aceves & King, Incorporated, assignee: *See*—
Amy, Ernest V., and Aceves.

Amy, Ernest V., Atlantic Beach, and J. G. Aceves, assignors to Amy, Aceves & King, Incorporated, New York, N. Y. Antenna system. 2,611,086, Sept. 16.

Amyot, Pierre, Quebec, Quebec, Canada. Stiffened woven fabric. 2,609,013, Sept. 2.

Anacabe, Frank: *See*—
Gaviola, Frank, and Anacabe.

Anaconda Copper Mining Company, assignee: *See*—
Graham, Thomas K., and Etterer.
Myhre, John S.

Anaconda Wire and Cable Company, assignee: *See*—
Benton, William H., Jr.
Ebel, Lawrence C.
Greenfield, Eugene W., and Widmer.
Rosch, Samuel J.
Snyder, Clermont J., and MacLelland.

Ananson, Richard D., Stirling, assignor, by mesne assignments, to H. Tashjian, Paterson, N. J., J. Begian and P. Cohn, executors of said H. Tashjian, deceased. Support. 2,610,014, Sept. 9.

Ancet, Victor M. J., Lyon, France. Lint collector for circular looms. 2,582,092, Jan. 8.

Ancet, Victor M. J., Lyon, France. Circular loom. 2,601,358, June 24.

Ancet, Victor M. J., Lyon, France. Circular loom. 2,601,871, July 1.

Anchor Brake Corporation, assignee: *See*—
Stocker, Alfred E.
Anchor Hocking Glass Corporation, assignee: *See*—
Fouse, Frederick Z.
Gora, Henry Z.
Stover, Harry E.
Von Hofen, Edward L.
Anchor Manufacturing Company, assignee: *See*—
Foskett, Kenneth H.
Johansson, Ernest G.
Anchor Products Company, assignee: *See*—
Brown, Percy M.
Anciens Etablissements Barbier-Benard & Turenne, assignee: *See*—
Bénard, Christian L. G.
Anciens Etablissements R. Velut (Société à Responsabilité Limitée), assignee: *See*—
Velut, Rene.
Ancor Corporation, assignee: *See*—
Archibald, Frederick R.
Andale Company, assignee: *See*—
McNeal, Daniel R.
Andary, Sarah S., Winter Park, Fla. Holder for lady's make-up articles. 2,609,578, Sept. 9.
Anderau, Walter: *See*—
Riat, Henri, Anderau, Wegmann, Mayer, and Menzi.
Anderau, Walter, assignor to Ciba Limited, Basel, Switzerland. Tetrakisazo dyestuffs. 2,602,788, July 8.
Anderau, Walter, assignor to Ciba Limited, Basel Switzerland. Azo dyestuffs. 2,617,797, Nov. 11.
Anderegg, Frederick O., Somerville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Dehumidifying system. 2,588,339, Mar. 11.
Anderegg, Frederick O., Somerville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Dehumidification system for buildings. 2,601,905, July 1.
Anderle, Joseph A., Westerleigh, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind construction. 2,592,995, Apr. 15.
Andermatt, Carl, assignor to Luwa, S. A., Zurich, Switzerland. Cooling and sealing means for disk atomizer shafts. 2,584,973, Feb. 12.
Andermatt, Carl, assignor to Luwa, S. A., Zurich, Switzerland. Apparatus for atomizing fluids. 2,587,083, Feb. 26.
Anders, Harley S., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for removing iron impurities from fluid streams. 2,607,492, Aug. 19.
Anders, Johann, Vienna, assignor to C. Schember & Sohne, Bruckenwaagen und Maschinenfabriken A. G., Vienna-Atzgersdorf, Austria. Electrically controlled indicator for scales. 2,617,871, Nov. 11.
Andersen, Alford L., Jr.: *See*—
Kaiser, Emil, Andersen, and Svarz.
Andersen, Anders K. K., Stenstrup, and T. Rosenstand, Korinth, Denmark. Elevator for harvesting machines. 2,606,647, Aug. 12.
Andersen, Arthur A., Crystal Lake, and B. C. Mathews, Cary, assignors to American Crop-Drying Equipment Company, Crystal Lake, Ill. Crop drying type air heater. 2,604,312, July 22.
Andersen, Arthur A., Crystal Lake, and B. C. Mathews, Chicago, assignors to American Crop-Drying Equipment Company, Crystal Lake, Ill. Crop drier and unloader. 2,613,452, Oct. 14.
Andersen, Arthur O.: *See*—
Miner, Robert G., and Andersen.
Andersen, Bjorn: *See*—
Schneider, George, and Andersen.
Andersen, Carl N., Briarcliff Manor, N. Y. Product of reacting an aryl mercuric salt, a lower aliphatic amine and either formamide or acetamide and disinfectant compositions comprising the same. 2,619,446, Nov. 25.
Andersen, Chris S.: *See*—
Hancock, Robert D., Williams, Hagen, and Andersen.
Andersen, Emil, assignor to Century Engineering Co., Chicago, Ill. Bag closure with label. 2,620,120, Dec. 2.
Andersen, Johannes: *See*—
Christensen, Holger S., Otzen, Weitemeyer, and Andersen.
Andersen, Raymond C., Lombard, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Tubemaking machine. 2,595,747, May 6.
Andersen, Raymond C., Lombard, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Welding method and apparatus. 2,612,580, Sept. 30.
Andersen, Rolf, Copenhagen, Denmark. Vapor-compression distillation. 2,619,453, Nov. 25.
Anderson, Abner L., Fairfield, Iowa, assignor to St. Paul Foundry & Manufacturing Co., St. Paul, Minn. Table saw with part of the table swingably and laterally adjustable. 2,601,878, July 1.
Anderson, Alexander, assignor to Anderson, Boyes & Company Limited, Motherwell, Scotland. Mining machine. 2,592,996, Apr. 15.
Anderson, Alva E., Mountainside, and R. L. Trent, Far Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bistable circuit. 2,622,212, Dec. 16.
Anderson, Andrew, Milwaukee, Wis. Mop handle with relatively rotatable hand grips. 2,619,368, Nov. 25.
Anderson, Annie H., administratrix: *See*—
Anderson, Oscar R.
Anderson, Arthur B., Portland, Oreg. Producing extractive materials from living trees. 2,612,000, Sept. 30.
Anderson, Arthur C., San Leandro, Calif. Drapery shaper. 2,621,728, Dec. 16.
Anderson, Arthur H., Lakeville, Minn. Valve grinder. 2,618,105, Nov. 18.
Anderson, Arvid A., West Allis, assignor to Safway Steel Products, Inc., Milwaukee, Wis. Multicrop tube shear. 2,620,030, Dec. 2.
Anderson, Arvid J.: *See*—
Anderson, Enfred W. and A. J.
Anderson, August W., Lantana, Fla. Sleeve for hydraulic push rods. 2,608,450, Aug. 26.
Anderson, Austin E., Jamestown, N. Y. Stanchion. 2,591,766, Apr. 8.
Anderson, Axel G., assignor to K-P Manufacturing Co., Minneapolis, Minn. Oil can. 2,595,118, Apr. 29.
Anderson, Belle, Chicago, Ill. Identification and itinerary record holder for wrist wear. 2,599,311, June 3.
Anderson, Berger: *See*—
Heckard, Clifford L., and Anderson.
Anderson, Boyd C., St. Marys, Ohio. Fishnet. 2,584,530, Feb. 5.
Anderson, Boyes & Company Limited, assignee: *See*—
Anderson, Alexander.
Anderson, Bror G., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Engine mount attachment. 2,591,393, Apr. 1.
Anderson, Bryan, assignor of one-half to M. L. Parcells, Columbus, Mont. Flexible and expansible tire chain applier. 2,581,225, Jan. 1.
Anderson, Carl A., Cranston, assignor to Anson, Inc., Providence, R. I. Billfold. 2,597,967, May 27.
Anderson, Carl E., Manasquan, assignor to Eastern Tool & Mfg. Co., Belleville, N. J. Garment buckle. 2,607,970, Aug. 26.
Anderson, Carl H., Minneapolis, Minn. Toilet accessory for house pets. 2,584,656, Feb. 5.
Anderson, Carl P., assignor to Kleinschmidt Laboratories, Inc., Highland Park, Ill. Variable-speed governor. 2,617,904, Nov. 11.
Anderson, Carl R.: *See*—
Hohnke, John H., and Anderson.
Perker, Henry J., and Anderson.
Anderson, Carroll R., assignor to Munsingwear, Inc., Minneapolis, Minn. Foundation garment and element therefor. 2,608,078, Aug. 26.
Anderson, Charles F., Decorah, Iowa. Article sorting device. 2,587,272, Feb. 26.
Anderson, Charles H. J.: *See*—
Van Werd, Johannes H. F., and Anderson.
Anderson, Clare, Kinnelon, N. J. Oscillatory timing mechanism. 2,590,365, Mar. 25.
Anderson, Clare, Kinnelon, N. J. Sprayer nozzle. 2,609,238, Sept. 2.
Anderson, Clarence A., Dearborn, Mich. Induction heating unit. 2,618,734, Nov. 18.
Anderson, Clarence D.: *See*—
Thomas, James E., and Anderson.
Anderson Company, The, assignee: *See*—
Smulski, Theodore J.
Anderson, David E., Shaker Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Mounting for supplementary feed device for internal-combustion engines. 2,603,466, July 15.
Anderson, David E., Shaker Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Dual carburetor. 2,611,592, Sept. 23.
Anderson, David E., Shaker Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary fluid feed device with automatic tandem metering valves. 2,611,594, Sept. 23.
Anderson Die Casting & Engineering Corporation, assignee: *See*—
Bennett, James C.
Anderson, Douglas A.: *See*—
Keene, Howard B., Anderson, and Aldrich.
Anderson, Doyle, Fort Wayne, Ind. Grapple for handling barrels. 2,589,918, Mar. 18.
Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Antenna filter. 2,580,389, Jan. 1.
Anderson, Earl W., Los Angeles, Calif. Automatic electric time switch mechanism. 2,619,169, Nov. 25.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Sealing universal joint assemblies. 2,598,749, June 3.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Spline joint. 2,605,622, Aug. 5.
Anderson, Edward B., Baltimore, Md. Oil filter. 2,601,925, July 1.
Anderson, Edward G. O., West Wickham, G. G. Blundell, Ealing, London, and J. E. Rhys-Jones, Iver, assignors to Scophony-Baird Limited, London, and The Plessey Company Limited, Ilford, England. Aerial for very high frequency radio receivers. 2,611,082, Sept. 16.
Anderson, Edward P.: *See*—
Rylsky, Gregory V., and Anderson.
Anderson, Edward P., Rutherford, assignor to Charles Englehard, Inc., Newark, N. J. Automatic control system. 2,602,916, July 8.
Anderson, Edwin E.: *See*—
Anderson, Frank P., E. E., and R. L.

Anderson, Einar H., Joliet, Ill. Two-stage jaw crusher. 2,595,219, May 6.
Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Floor polishing device. 2,609,555, Sept. 9.
Anderson, Emil, Briarcliff Manor, New York, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Extendible and collapsible filter bag. 2,621,757, Dec. 16.
Anderson, Emitt S., and A. B. Haley, Kenora, Ontario, Canada, assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Pulp screen flow pipe. 2,584,247, Feb. 5.
Anderson, Enfred W. and A. J., Norway, Mich. Folding chair. 2,613,729, Oct. 14.
Anderson, Enfred W. and A. J., Norway, Mich. Folding chair. 2,613,730, Oct. 14.
Anderson, Enfred W. and A. J., Norway, Mich. Locking brace for folding legs of tables. 2,621,992, Dec. 16.
Anderson, Eric M., Westbrook, Maine, assignor to Utilities Distributors, Inc. Bottling equipment. 2,602,301, July 8.
Anderson, Ernest H., Jamestown, N. Y. Spring and mattress support for beds and the like. 2,595,321, May 6.
Anderson, Ervie J., assignor of fifty per cent to J. E. Anderson, Sheldon, Iowa. Foldable harrow trailer. 2,620,200, Dec. 2.
Anderson, Eugene J., New Orleans, La., assignor to Rheem Manufacturing Company, Richmond, Calif. Apparatus for processing surfaces of cylindrical articles and the like. 2,613,631, Oct. 14.
Anderson, Florence B., assignor to Miller Meters, Inc., Chicago, Ill. Coin box for coin-operated machines. 2,604,259, July 22.
Anderson, Floyd W., and S. E. Hill, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Overtravel control apparatus for hydraulically controlled agricultural implements. 2,591,492, Apr. 1.
Anderson, Frank A., Chicago, Ill. Vehicle door closing device. 2,610,084, Sept. 9.
Anderson, Frank P., E. E., and R. L., Spokane, Wash. Freight loading and unloading truck. 2,580,501, Jan. 1.
Anderson, Fred G., Milford, Conn., assignor to General Electric Company. Oscillating electric fan and power supply means therefor. 2,615,619, Oct. 28.
Anderson, Frederic W., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,619,626, Nov. 25.
Anderson, George W., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing amides. 2,617,794, Nov. 11.
Anderson, Gordon R., Jr., Freeport, assignor to Fairbanks, Morse & Co., Chicago, Ill. Single-phase winding. 2,622,217, Dec. 16.
Anderson, Gustave A., New York, and C. I. Kane, Rye, assignors to The International Handkerchief Manufacturing Company, Long Island City, N. Y. Material folding machine. 2,593,085, Apr. 15.
Anderson, Guy C., St. Paul, Minn. Animal trap. 2,603,029, July 15.
Anderson, Harold H., assignor of one-half to E. C. Wegert, Detroit, Mich. Boat outrigger float. 2,596,194, May 13.
Anderson, Harry C.: *See*—
Fowler, Robert D., and Anderson.
Fowler, Robert D., Burford, and Anderson.
Anderson, Harry G., Alameda, Calif. Automatic magnetic tack hammer. 2,605,466, Aug. 5.
Anderson, Harry W.: *See*—
Ehrenreich, Frank C., and Anderson.
Thornberry, Halbert H., and Anderson.
Anderson, Henry A., Victory, Wis. Adjustable width tractor. 2,603,302, July 15.
Anderson, Hilda E., Ironwood, Mich. Disabled limb strap. 2,607,340, Aug. 19.
Anderson, Hjalmar A., Riverside, assignor to Sunbeam Corporation, Chicago, Ill. Armature soldering furnace. 2,619,063, Nov. 25.
Anderson, Homer G., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,580,988, Jan. 1.
Anderson, Hulda, executrix: *See*—
Anderson, Robert G.
Anderson, Irvin B., Oneonta, N. Y. Adjustable extension device. 2,581,782, Jan. 8.
Anderson, Jack M.: *See*—
Anderson, Oscar W. and J. M.
Anderson, James, Newton Mearns, Scotland. Metal cutting machine. 2,591,765, Apr. 8.
Anderson, James A., Jr., C. M. Floyd, and E. F. Wadley, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Extracting lubricating oil fractions. 2,603,590, July 15.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussion tool. 2,584,246, Feb. 5.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Unloader for compressors. 2,586,902, Feb. 26.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Intermittent explosion unit for gas turbine plants. 2,614,387, Oct. 21.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Explosion gas turbine plant. 2,617,254, Nov. 11.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Method and apparatus for welding the longitudinal seams of barrel blanks and the like. 2,580,502, Jan. 1.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Tube welding machine. 2,605,732, Aug. 5.
Anderson, John, Berkeley, J. W. Mecorney, Albany, Calif., and G. E. Ham, Dayton, Ohio, assignors to Shell Development Company, San Francisco, Calif. Concentration of partially polymerized diallyl phthalate. 2,613,201, Oct. 7.
Anderson, John A.: *See*—
Cottor, Emil F., and Anderson.
Anderson, John A., assignor to Standard Oil Company, Chicago, Ill. Synthetic lubricating oil. 2,620,365, Dec. 2.
Anderson, John E., assignee: *See*—
Anderson, Ervie J.
Anderson, John F., Oakland, Calif. Automobile auxiliary window mounting. 2,596,114, May 13.
Anderson, John H., Burris, Wyo. Mount for telescopic gun sights. 2,585,985, Feb. 19.
Anderson, John M., Youngstown, Ohio. Light and mirror attachment for hospital beds. 2,607,881, Aug. 19.
Anderson, John R., assignor to Koppers Company, Inc., Pittsburgh, Pa. Purification of distilled coke-oven benzene by distillation with added hydrocarbon material. 2,581,344, Jan. 8.
Anderson, John R., assignor to The American Perforator Company, Chicago, Ill. Perforator control mechanism. 2,607,421, Aug. 19.
Anderson, John R., assignor to Koppers Company, Inc., Pittsburgh, Pa. Purification of distilled coke oven benzene by distillation with added hydrocarbon material. 2,618,591, Nov. 18.
Anderson, John R., Berkeley Heights, N. J., and A. C. Keller, Bronxville, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recording and reproducing system. 2,612,566, Sept. 30.
Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper blade linkage assembly. 2,596,063, May 6.
Anderson, Joseph S.: *See*—
Moise, James E., Anderson, and Johnson.
Anderson, Leon, and E. Nassimbene, assignors to The Gates Rubber Company, Denver, Colo. Hog beater paddle. 2,604,656, July 29.
Anderson, Leslie D., Carlsbad, N. Mex., assignor to Potash Company of America. Recovering a desired soluble salt from a solid mixture containing same. 2,613,133, Oct. 7.
Anderson, Leslie J., Moorestown, N. J., assignor to Radio Corporation of America. Shielded magnetic sound-head and tape-guide assembly. 2,590,292, Mar. 25.
Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Hinge construction. 2,602,957, July 15.
Anderson, Louis A., Dayton, Ohio, and J. J. Slattery, Chicago, Ill., said Anderson assignor to General Motors Corporation, Dayton, Ohio, said Slattery assignor to Montgomery Ward and Company, Inc., Chicago, Ill. Refrigerator cabinet. 2,581,618, Jan. 8.
Anderson, Lucille M., guardian, assignee: *See*—
Anderson, Oliver W.
Anderson, Lura F., Nashville, Tenn. Compact. 2,594,607, Apr. 29.
Anderson, Margaret K., Beverly Hills, assignor to Helene Brassiere Company, Inc., Glendale, Calif. Strapless brassière. 2,588,603, Mar. 11.
Anderson, Mark G., assignor to Anderson & Wagner, Inc., Los Angeles, Calif. Carbonating apparatus. 2,586,499, Feb. 19.
Anderson, Maurice J.: *See*—
Kohler, John B., and Anderson.
Anderson-Miller and Poston Mfg. Co., assignee: *See*—
Anderson, William A.
Anderson, Morris C., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Strand blower. 2,622,306, Dec. 23.
Anderson, Myrtle M., Minneapolis, Minn. Compartment frying pan. 2,581,161, Jan. 1.
Anderson, Neal H., Oil Tool Co., assignee: *See*—
Wells, George C.
Anderson, Nelson E., Berkeley Heights, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Limit-switch mechanism. 2,602,124, July 1.
Anderson, Nelson E., Berkeley Heights, N. J., assignor to Air Reduction Company, Incorporated. Electrode holder for use in inert gas-shielded arc welding. 2,616,017, Oct. 28.
Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for electric arc spot welding. 2,586,140, Feb. 19.
Anderson, Oliver W., deceased, Cedar Rapids, Iowa, by C. Hendrickson, executor, Cedar Rapids, Iowa, assignor, by decree of court, of one-third to L. M. Anderson, individually, and two-thirds to L. M. Anderson, as guardian. Punching apparatus. 2,585,720, Feb. 12.
Anderson, Olof V., Cowesett, R. I., assignor to Anson, Inc. Cuff link. 2,596,357, May 13.
Anderson, Olof V., Cowesett, R. I., assignor to Anson Incorporated. Cuff link. 2,607,973, Aug. 26.

Anderson, Orville E.: *See*—
Berberich, Leo J., and Anderson.

Anderson, Oscar F., Watsonville, Calif. Pipe plug. 2,607,370, Aug. 19.

Anderson, Oscar J., Glendale, Calif. Rearview mirror and adjustable support. 2,620,708, Dec. 9.

Anderson, Oscar M., New Britain, Conn., assignor, by mesne assignments, to Crosley Division, Avco Manufacturing Corporation, Cincinnati, Ohio. Washing machine provided with loading and unloading passageway. 2,594,112, Apr. 22.

Anderson, Oscar R., deceased, Minneapolis, Minn.: A. H. Anderson, administratrix. Valve seat puller. 2,623,276, Dec. 30.

Anderson, Oscar W. and J. M., Denver, Colo. Drill case. 2,589,593, Mar. 18.

Anderson, Paul, San Antonio, Tex. Photocomposing machine. 2,587,084, Feb. 26.

Anderson, Paul Z., assignor to Preco Incorporated, Los Angeles, Calif. Torsion transmitting mounting for torsion members such as rods and springs. 2,606,020, Aug. 5.

Anderson, Paul Z., Whittier, and H. O. Fuchs, assignors to Preco Incorporated, Los Angeles, Calif. Bearing mounting. 2,618,520, Nov. 18.

Anderson, Philip C., Crete, Nebr. Device for applying liquid fertilizer. 2,587,085, Feb. 26.

Anderson, Ralph F., assignee: *See*—
Anderson, Swan F.

Anderson, Ralph J., assignor of one half to K. Billingsly, Tulare, Calif. Hydraulic assembly for adjustable ladder leg extension. 2,598,875, June 3.

Anderson, Ralph L., East Moline, assignor to Deere & Company, Moline, Ill. Concave-adjusting means for threshers. 2,616,433, Nov. 4.

Anderson, Ralph L., East Moline, assignor to Deere & Company, Moline, Ill. Crop-distributing device for harvesters. 2,617,518, Nov. 11.

Anderson, Raymond L.: *See*—
Anderson, Frank P., E. E., and R. L.

Anderson, Raymond T., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Solvent extraction combination. 2,588,070, Mar. 4.

Anderson, Raymond T., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Scrubber for solvent extraction towers. 2,609,186, Sept. 2.

Anderson, Rexford O., assignor to Foote Bros. Gear & Machine Corporation, Chicago, Ill. Rotary hydraulic coupling. 2,602,295, July 8.

Anderson, Robert E., assignee: *See*—
Young, Henry E., and Farnham.

Anderson, Robert G., Erie, Pa., assignor to General Electric Company. Fluid pulverizing apparatus. 2,591,330, Apr. 1.

Anderson, Robert G., deceased, Erie, Pa., by H. Anderson, executrix, Erie, Pa., assignor to General Electric Company. Railway auxiliary power plant mounting. 2,598,336, May 27.

Anderson, Robert V., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Film projector for television. 2,612,554, Sept. 30.

Anderson, Robert W., Weehawken, assignor to Keuffel & Esser Company, Hoboken, N. J. Lettering device. 2,616,179, Nov. 4.

Anderson, Roger: *See*—
Wagner, Hugo, and Anderson.

Anderson, Roger, Seattle, Wash. Occipital patient supporting device. 2,584,412, Feb. 5.

Anderson, Roger, Seattle, Wash. Interscapular patient supporting device for application of an orthopedic brace. 2,590,670, Mar. 25.

Anderson, Roy H., Seattle, Wash., assignor to Boeing Airplane Company. Quick-dismountable cowling. 2,599,037, June 3.

Anderson, Roy W., Burt, Iowa. Serving dish. 2,617,280, Nov. 11.

Anderson, Seymour E., deceased, Billings, Mont., by T. I. Anderson, administratrix, Billings, Mont. Drive-through gate. 2,608,010, Aug. 26.

Anderson, Stanley E., Chicago, Ill. Stamping machine with perfecting feature. 2,589,761, Mar. 18.

Anderson, Stanley T., assignor to Alliance Furniture Company, Jamestown, N. Y. Article of furniture. 2,597,277, May 20.

Anderson, Swan F., assignor, by mesne assignments, of one-half to R. F. Anderson, Rockford, Ill. Folding and filling machine. 2,612,016, Sept. 30.

Anderson, Thelma I., administratrix: *See*—
Anderson, Seymour E.

Anderson, Theodore L., Seal Rock, and T. H. Esbenshade, Newport, Oreg. Log carrier. 2,583,075, Jan. 22.

Anderson, Thomas F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polyesters stabilized with 1-arylazonaphthol sulfonic acids. 2,607,756, Aug. 19.

Anderson, Thomas F., Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polyesters stabilized with substituted p-benzoquinones. 2,610,168, Sept. 9.

Anderson, Thomas F., Chagrin Falls, and K. W. Benham, South Euclid, assignors to The Sanymetal Products Co., Inc., Cleveland, Ohio. Hinge assembly for swinging doors. 2,604,653, July 29.

Anderson, Thomas F., Chagrin Falls, and K. W. Benham, South Euclid, assignors to The Sanymetal Products Co., Inc., Cleveland, Ohio. Hinge assembly for swinging doors. 2,604,654, July 29.

Anderson, V. D., Company, The, assignee: *See*—
Anderson, Raymond T.
Dunning, John W.

Anderson, Vern C., Hastings, Nebr. Adjustable apron feeder. 2,593,084, Apr. 15.

Anderson, Vernon E., Hachor, Kans. Fluid motor. 2,595,119, Apr. 29.

Anderson, Victor E., Owensboro, Ky. Storm window structure. 2,593,239, Apr. 15.

Anderson, W. Carl, and S. L. Dewey, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Backing clamp for trailers. 2,613,946, Oct. 14.

Anderson, W. E., Inc., assignee: *See*—
Webster, Raymond C.

Anderson & Wagner, Inc., assignee: *See*—
Anderson, Mark G.

Anderson, Wallace L., assignor to Harrison-Weise Company, Chicago, Ill. Safety anchor spacer plate or bar. 2,582,897, Jan. 15.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Rebound preventing means for differential actuators. 2,615,622, Oct. 28.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Type bar restraining means. 2,620,973, Dec. 9.

Anderson, Walter A., Fairfield, Conn., assignor to Underwood Corporation, New York, N. Y. Accounting machine control means. 2,612,315, Sept. 30.

Anderson, Walter M., Temple City, assignor to D. T. Starr, doing business as Gross Manufacturing Company, Monrovia, Calif. Vulcanizing patch. 2,618,016, Nov. 18.

Anderson, Wilbur G., Jr., and H. R. Kohlhepp, assignors to American Box Board Company, Grand Rapids, Mich. Moisture collecting device. 2,614,883, Oct. 21.

Anderson, William A., assignor to Anderson-Miller and Poston Mfg. Co., Spokane, Wash. Irrigation system. 2,589,321, Mar. 18.

Anderson, William C., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Screw slotter. 2,587,951, Mar. 4.

Anderson, William E., Kansas City, assignor of one-half to William Earl Anderson, Blue Springs, Mo. Material feeder and hydrator. 2,597,916, May 27.

Anderson, William Earl, assignee: *See*—
Anderson, William E.

Anderson, William H., Elkridge, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating apparatus. 2,623,982, Dec. 30.

Anderson, William H., Stockton, Calif. Hopper door unit and material spreader assembly for airplanes. 2,614,733, Oct. 21.

Anderson, William H., Elkridge, and A. C. Frey, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable inductance. 2,583,133, Jan. 22.

Anderson, William H., Elkridge, D. S. Shingler, and B. Boyd, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating unit. 2,593,959, Apr. 22.

Anderson, William H., Elkridge, and D. S. Shingler, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating structure with shielding means. 2,623,981, Dec. 30.

Anderson, William O.: *See*—
Mong, Edgar W., and Anderson.

Anderson, William R., assignee: *See*—
Knight, Clarence F.

Anderson, William S., Jr., assignor of one-half to J. E. Axeman, Williamsport, Pa. Electromagnetically controlled latch device. 2,609,704, Sept. 9.

Anderson, Wilmer C., Douglaston, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Frequency divider. 2,591,114, Apr. 1.

Anderson, Wilmer C., assignor to Deering Milliken Research Trust, Greenwich, Conn. Production and utilization of control signals. 2,595,220, May 6.

Anderson, Wilmer C., Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Textile control. 2,596,973, May 20.

Anderson, Wilmer C., Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Monitoring device. 2,605,535, Aug. 5.

Anderson, Wilmer C., assignor to Deering Milliken Research Trust, Greenwich, Conn. Textile detecting device. 2,613,692, Oct. 14.

Andersson, Anders E., Minneapolis, Minn. Polarity indicator. 2,621,230, Dec. 9.

Andersson, Anders V. H., Uppsala, Sweden. Camera for reproductive purposes. 2,621,561, Dec. 16.

Andersson, Axel E., Vargon, assignor to Soderhamns Verkstader Aktiebolag, Soderhamn, Sweden. Machine for removing bark from logs. 2,623,558, Dec. 30.

Andersson, Donald A. V., assignor to Malte Pontus Blohm, Gothenburg, Sweden. Positive clutch. 2,620,052, Dec. 2.

Andersson, J. R., & Co., Aktiebolag, assignee: *See*—
Thorstensson-Rydberg, Carl A. S.

Andersson, John O., Ektorp, Sweden. Paint spraying device. 2,612,404, Sept. 30.

Andersson, Nils A., Bromma, Sweden. Tank wagon with bogie. 2,620,747, Dec. 9.

Andrade, Hijinio J., Madera, Calif. Permanent clothespin. 2,607,974, Aug. 26.

Andre, Eugene R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Defoamer for bottling machines. 2,604,247, July 22.

André, Henri, Montmorency, France, assignor to Yardney International Corp., New York, N. Y. Silver and zinc accumulator with insoluble negative electrode and invariable electrolyte. 2,594,709, Apr. 29.

André, Henri G., Montmorency, France, assignor to Yardney International Corp., New York, N. Y. Zinc-silver accumulator. 2,594,710, Apr. 29.

André, Henri G., Montmorency, France, assignor to Yardney International Corp., New York, N. Y. Zinc-silver accumulator. 2,594,711, Apr. 29.

André, Henri G., Montmorency, France, assignor to Yardney International Corp., New York, N. Y. Silver and zinc accumulator having an insoluble negative electrode. 2,594,712, Apr. 29.

André, Henri G., Montmorency, France, assignor to Yardney International Corp., New York, N. Y. Electric accumulator. 2,594,713, Apr. 29.

André, Henri G., Montmorency, France, assignor to Yardney International Corp., New York, N. Y. Forming electric accumulators. 2,594,714, Apr. 29.

André, Henri G., Montmorency, France, assignor to Yardney International Corp. Making electric accumulators. 2,611,792, Sept. 23.

Andreae, Hobart D., M. R., and W. A., Birmingham, Mich. Reciprocative electromagnetic tool. 2,602,475, July 8.

Andreae, Maynard R.: *See*—
Andreae, Hobart D., M. R., and W. A.

Andreae, Wayne A.: *See*—
Andreae, Hobart D., M. R., and W. A.

Andreas, John M., Pasadena, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Imbibition printing using disazo dye. 2,583,076, Jan. 22.

Andreas, John M., Pasadena, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Film registering and printing apparatus. 2,586,286, Feb. 19.

Andreasson, Rudolf W., Franklin, Mich. Apparatus for relieving the teeth of circular cutting elements. 2,585,986, Feb. 19.

Andren, Karl H., Greenfield, assignor to Counter and Control Corporation, Milwaukee, Wis. Portable sheet counter and marker. 2,619,883, Dec. 2.

Andreoli, Daniel A., Irvington, N. J. Liquid measuring bottle cap and massage unit. 2,603,211, July 15.

Andres, Frank, Carteret, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Lighting torch. 2,603,277, July 15.

Andres, Lloyd J. assignor to Permo, Incorporated, Chicago, Ill. Phonograph stylus. 2,599,312, June 3.

Andres, Lloyd J., Itasca, assignor to H. C. Evans & Co., Chicago, Ill. Electric control for phonographs. 2,614,674, Oct. 21.

Andres, William A., Minneapolis, Minn., assignor to General Mills, Inc. Pressure cooker. 2,591,767, Apr. 8.

Andresen, Gilbert J. C., Stow, Ohio. Limiter system. 2,621,290, Dec. 9.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Magnetic drag tachometer. 2,593,646, Apr. 22.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Air miles recorder and follow-up system. 2,600,828, June 17.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Aircraft instrument. 2,609,685, Sept. 9.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Telemetering system and automatic altimeter setting. 2,618,976, Nov. 25.

Andresen, John H., Jr., Port Washington, and E. Kasner, Brooklyn, assignors, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Polyphase supply circuit and frequency meter. 2,604,520, July 22.

Andrew, Carl L., assignor of one-half to E. B. Smith, Greenville, S. C. Accounting device. 2,580,390, Jan. 1.

Andrew, Charles, and F. Waitkens, Brooklyn, N. Y. Closure can lining machine. 2,598,028, May 27.

Andrew, Harry A., Grand River, Iowa. Feeder for livestock or poultry. 2,592,638, Apr. 15.

Andrew, James B. W., Jr., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Bobbin package. 2,588,791, Mar. 11.

Andrew, Vaughan L., Superior, Wis. Water system. 2,623,467, Dec. 30.

Andrew, Warren M., Washington, D. C. Plate keyer for radar transmitters. 2,590,836, Apr. 1.

Andrews, Aaron A., Harris, Kans. Combined stool and fishing rod support. 2,607,398, Aug. 19.

Andrews, Albert, Fort Collins, Colo. Resilient casing with slidable tool. 2,608,890, Sept. 2.

Andrews, Boley A., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Electrical coin selector. 2,589,214, Mar. 18.

Andrews, Boley A., Kansas City, Kans., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Spring actuated slide snap hook. 2,592,843, Apr. 15.

Andrews, Dallas R.: *See*—
Isom, Warren R., and Andrews.

Andrews, Edward F., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,581,345, Jan. 8.

Andrews, Edward F., assignor to Signal Tuned Radio Corporation, Chicago, Ill. Radio apparatus. 2,605,401, July 29.

Andrews, Edwin R.: *See*—
Shelton, Robert S., and Andrews.

Andrews, George H., Hartsdale, assignor to Martin Fabrics Corporation, New York, N. Y. Device for packaging and dispensing ribbons, tapes, bindings, and the like. 2,617,609, Nov. 11.

Andrews, Glenn E., Andover, assignor to Raytheon Manufacturing Company, Newton, Mass. Heating apparatus. 2,595,748, May 6.

Andrews, Glenn E., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,598,337, May 27.

Andrews, H. P., Paper Company, assignee: *See*—
Jahoda, Edward.

Andrews, Henry, assignor to Platt Products Corporation, Lansing, Mich. Liquid flow controlling valve. 2,608,993, Sept. 2.

Andrews, John L., Fairfield, Ill. Preventing premature firing of depth charges. 2,612,107, Sept. 30.

Andrews, John M., assignor to York Corporation, York, Pa. Relay type of current limiter. 2,585,987, Feb. 19.

Andrews, John R., Uxbridge, Mass. Device for signaling proper position of automobile jacks. 2,623,491, Dec. 30.

Andrews, John R., Jr., assignor to Bachmann Uxbridge Worsted Co., Inc., Uxbridge, Mass. Method and apparatus for drying warp sheets and the like. 2,601,080, June 17.

Andrews, John W., Pittsburgh, Pa., assignor to United States Steel Company. Electrolytic tin plating baths. 2,598,486, May 27.

Andrews, Johnnie, Fort Worth, Tex. Radio tower antenna. 2,583,287, Jan. 22.

Andrews, Johnnie, Fort Worth, Tex. Transmission tower. 2,605,417, July 29.

Andrews, Norman F., Ankeny, assignor to Deere Manufacturing Co., Dubuque, Iowa. Chain-tightening means with ratchet lock. 2,612,988, Oct. 7.

Andrews, Norwood H., Moorestown, N. J., assignor, by mesne assignments, to Freeport Sulphur Company, New York, N. Y. Combination pulverizing and classifying machine. 2,605,971, Aug. 5.

Andrews, O. B., Company, assignee: *See*—
Turner, William E.

Andricks, William F., Edison, Ohio. Liquid dispensing device. 2,606,699, Aug. 12.

Andrus, Harold L.: *See*—
Clark, Edward S., and Andrus.

Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Motor winding. 2,583,804, Jan. 29.

Andrus, Orrin E., Altadena, Calif. Irrigation regulator coupling. 2,598,961, June 3.

Andrus, Orrin E., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Corrosion-resistant metallic structure. Re. 23,559, Sept. 30.

Anechiarico, Louis J., Endicott, N. Y. Fishing game. 2,598,487, May 27.

Anemostat Corporation of America, assignee: *See*—
Gilbert, Alfred R.
Nilsson, Henry O., and Phillips.
Phillips, Leonard R., and Waeldner.

Anetsberger Brothers, Inc., assignee: *See*—
Anetsberger, Frank A., and Whitehead.

Anetsberger, Frank A., Chicago, and D. H. Whitehead, Oak Park, assignors to Anetsberger Brothers, Inc., Northbrook, Ill. Dough rolling apparatus. 2,621,613, Dec. 16.

Anfinsen, Nils J., assignee: *See*—
Windahl, Gunnar.

Angel, Erik G. R., Stockholm, Sweden. Electrolytic production of iron and iron alloys. 2,622,063, Dec. 16.

Angel, Yves, Paris, France. Apparatus for color television. 2,594,715, Apr. 29.

Angelicola, Achilles F., North Bergen, N. J. Elevator system. 2,612,238, Sept. 30.

Angelini, Anthony, assignee: *See*—
Welsh, James G., Jr.

Angell, Otis R., North Quincy, Mass. Fish lure. 2,586,141, Feb. 19.

Angell, Pierce T.: *See*—
De Vlieg, Howard R., and Angell.

Angell, Pierce T., and C. J. Leska, assignors to Thompson Products, Inc., Cleveland, Ohio. Impeller blade support fixture. 2,612,082, Sept. 30.

Angell, Walter E., Brooklyn, N. Y. Cathode-ray tube. 2,603,761, July 15.

Angelo, Joseph, North Plainfield, N. J. Utility attachment for fishing creels. 2,596,974, May 20.

Anger, Ernest G., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Welder control system. 2,623,146, Dec. 23.

Anger, Ernest G., Wauwatosa, and R. C. Mierendorf, Milwaukee, Wis., assignors to Square D Company, Detroit, Mich. Nonrepeat control circuit. 2,616,041, Oct. 28.

Anger, Hal O., Long Beach, Calif., assignor to the United States of America as represented by the Secretary of War. Overload suppressor. 2,603,708, July 15.

Anger, Hal O., Long Beach, Calif., assignor to the United States of America as represented by the Secretary of War. Circuit for increasing duration of pulses. 2,617,883, Nov. 11.

Angerby, Erik A., S. G. Axsiter, and S. G. Blom, Nynashamn, Sweden. Device for preshaping grinding disks. 2,612,152, Sept. 30.

Angiadn, Joseph A., White Plains, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Heat-sealing element. 2,614,953, Oct. 21.

Anglaret, Paul, Ville D'Avray, France. Reduction of esters, etholides, glycerides. 2,608,589, Aug. 26.

Anglaret, Paul, Ville D'Avray, France. Reduction of esters, etholides, glycerides. 2,612,527, Sept. 30.

Angle, Belford C., and M. M. Palo, Conneaut, Ohio, and P. V. Kelly, West Springfield, Pa., assignors to The Astatic Corporation, Conneaut, Ohio. Electrical phonograph transducer with multiple styli. 2,617,895, Nov. 11.

Angle, Glenn D., Thomaston, assignor to The New Britain Machine Company, New Britain, Conn. Radial engine. 2,618,253, Nov. 18.

Anglo American Corporation of South Africa, Limited, assignee: *See*—
Bradford, George, Mulock-Bentley, and Auret.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Adey, Stanworth W., and Porter.
Birch, Stanley F., Fidler, and Dean.
Fawcett, Eric W. M., and Haresnape.
MacLean, Thomas T.
Meyer, Percy.

Angona, Frank A., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for measuring interstitial water content of well cores. 2,612,036, Sept. 30.

Angst, Walter, Manhasset, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. High-power diaphragm capsule assembly. 2,604,117, July 22.

Angulo, José, San Francisco, Calif. Illuminated sprinkler. 2,593,517, Apr. 22.

Angus, George, and Company Limited, assignee: *See*—
Jagger, Ernest T.

Anhanger, Oscar, Trondheim, Norway. Fish separating machine. 2,583,762, Jan. 29.

Anheuser-Busch, Inc., assignee: *See*—
Lubeley, Anthony J.
Siefker, Joseph A., and Brasch.

Animal Trap Company of America, assignee: *See*—
Koch, Harold B., and Lehn.
Lehn, John U.

Anker-Werke, A. G., assignee: *See*—
Aurbach, Kurt.
Klaar, Albert.
Schmieder, Fritz.

Anketell, John E., assignor to Ansalee Corporation, Danvers, Mass. Ski rope-tow gripping device. 2,617,363, Nov. 11.

Annear, Reed B., Omaha, Nebr., assignor to Westinghouse Air Brake Company. Signaling system for single-track railroads. 2,581,509, Jan. 8.

Annen, Robert, assignor to Roulements & Billes Miniatures S. A., Bienne, Switzerland. High-speed spindle. 2,588,459, Mar. 11.

Anner, Georg: *See*—
Miescher, Karl, and Anner.
Miescher, Karl, Heer, Billeter, and Anner.

Annett Box Company, assignee: *See*—
Kunlholm, Carl A.

Annex Manufacturing Co., Inc., assignee: *See*—
Funk, Bernard.

Annicq, Joseph, Renaix, Belgium. Porous resilient bobbin. 2,614,764, Oct. 21.

Annin, Douglas H., Oakland, Calif., assignor, by mesne assignments, to M & J Engineering Co. Fluid flow control apparatus. 2,599,534, June 10.

Annin, Douglas H., Oakland, Calif., assignor, by mesne assignments, to Grove Regulator Company. Expansible sleeve type valve. 2,621,889, Dec 16.

Annin, Douglas H., Oakland, Calif., assignor, by mesne assignments, to Grove Regulator Company. Fluid pressure controlled flexible tube valve. 2,622,620, Dec. 23.

Annis, Andrew J., Baltimore, Md. Balloon inflating valve. 2,617,624, Nov. 11.

Annis, Eben B., South Stukeley, Quebec, Canada. Tractor rearing over preventer. 2,616,716, Nov. 4.

Annis, Robert W., Champaign, Ill. Variable speed alternating current motor. 2,624,028, Dec. 30.

Anper, Inc., assignee: *See*—
Perugia, André.

Ansalee Corporation, assignee: *See*—
Anketell, John E.

Anschuetz, Erich K., Grosse Pointe, Mich. Hydraulic jack. 2,583,923, Jan. 29.

Anseele, Marié, assignor to M. Defauw, Ghent, Belgium. Metal container having reinforced end seam. 2,598,962, June 3.

Ansel, Harry R., Elmwood Park, Ill. Window. 2,607,963, Aug. 26.

Anson, Inc., assignee: *See*—
Anderson, Carl A.
Anderson, Olof V.

Anson Incorporated, assignee: *See*—
Anderson, Olof V.
Johnson, Albert A.

Anson, Wilfrid E.: *See*—
Webster, Charles J., and Anson.

Ansorge, Martin C., New York, N. Y. Flush valve actuator. 2,605,479, Aug. 5.

Anspacher, Edgar, assignee: *See*—
Hogan, Billie I.

Anspon, Harry D., Easton, and F. E. Pachorr, Bethlehem, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Casting sheets of polymerized α-chloroacrylic acid esters. 2,593,827, Apr. 22.

Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energa," assignee: *See*—
Brandt, Edgar W.

Anstalt Renor, assignee: *See*—
Haas, Otto, Schaedler, and Schneider.

Anstett, Edgar P., Chicago, Ill. License plate fastener. 2,588,951, Mar. 11.

Anstett, Edgar P., assignor to Powernail Company, Chicago, Ill. Nail or pin. 2,593,647, Apr. 22.

Anstice, Mortimer R., Sr.: *See*—
Clague, James D., and Anstice.

Ansul Chemical Company, assignee: *See*—
Custer, Harry W.
Roney, Charles.
Taylor, John F.
Vander Wall, Clifford C.

Anteau, Howard W., Toledo, Ohio. List mounting. 2,587,086, Feb. 26.

Antelman, Leon, Philadelphia, Pa. Convertible reclining chair and cot. 2,611,418, Sept. 23.

Anthes, John A.: *See*—
Dudley, James R., and Anthes.

Anthes, John A., Springdale, and J. R. Dudley, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of ethylenesulfonic acid. 2,597,696, May 20.

Anthony, Alfred W., Jr.: *See*—
Johnstone, Henry F., and Anthony.

Anthony Company, assignee: *See*—
Anthony, William C., and Wachter.
Wachter, Lester W.

Anthony, George, Cleveland, Ohio. Air pressure chip collector unit. 2,603,817, July 22.

Anthony, William C., and L. W. Wachter, assignors to Anthony Company, Streator, Ill. Gate moving means for vehicles. 2,593,240, Apr. 15.

Antiference Limited, assignee: *See*—
Best, Norman M.

Antill, Philip W., Ridgefield Park, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Tile arch structure. 2,600,460, June 17.

Antioch Bookplate Company, assignee: *See*—
Hubbard, John R.

Antolini, Bruno J., Rutherford, N. J. Garment hanger. 2,620,103, Dec. 2.

Anton, Adam N., Dearborn, Mich. Portable safety and trouble light. 2,612,549, Sept. 30.

Antonello, Frederico, Rebbio, Italy. Process and device for making concrete structures. 2,586,413, Feb. 19.

Antonevich, Michael, assignor to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J. Stop motion. 2,588,689, Mar. 11.

Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire construction. 2,587,428, Feb. 26.

Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire construction. 2,592,844, Apr. 15.

Antonucci, Rose M.: *See*—
Bernstein, Seymour, Antonucci, and Heller.

Antos, Joseph, assignor of one-fourth to J. D. Benbow, Aurora, Ill. Slide viewer having two compartments, one for storing and the other for viewing slides. 2,617,218, Nov. 11.

Antoshkiw, Thomas: *See*—
Kern, Charles J., Antoshkiw, and Mgiese.

Anxionnaz, Rene: *See*—
Hermitte, Louis A., and Sédille.
Imbert, Roger J.
Imbert, Roger J., and Anxionnaz.
Imbert, Roger J., and Sédille.
Imbert, Roger J.
Sédille, Marcel H. L.
Sédille, Marcel H. L., and Imbert.
Sédille, Marcel H. L., and Ménard.

Anxionnaz, René, and M. H. L. Sédille; said Sédille assignor or Societe Rateau (Société Anonyme), Paris, France. Propelling a vehicle using normally gaseous fuel as a liquid. 2,602,289, July 8.

Anxionnaz, René, M. H. L. Sédille, and R. J. Imbert, assignors of one-half to Societe Rateau (Societe Anonyme), Paris, France. Jet propulsion and boundary layer control system for aircraft. 2,604,277, July 22.

Anxionnaz, René, and R. J. Imbert, assignors to Societe Rateau (Societe Anonyme), Paris, France. Axial flow compressor. 2,613,869, Oct. 14.

Anzell, Anthony D., Cheboygan, Mich. Plastic necktie knot. 2,617,108, Nov. 11.

Apel, George E., Belmont, Mass., and D. F. Collins, Pontiac, Mich., assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Vulcanizing machine. 2,591,995, Apr. 8.

Apex Accessories Co., Inc., assignee: *See*—
Jaccarino, Frederick, and Pinson.

Apex Electrical Manufacturing Company, The, assignee: *See*—
Davis, Archibald H.
Davis, Archibald H., and Archbold.
Kirby, James B.
Wied, Julius P.

Apex Smelting Company, assignee: *See*—
Stobie, John J., and Youngkrantz.

Apgar, Charles W., Philadelphia, assignor to Seaboard Container Corporation, Bristol, Pa. Fan-folded stack of corrugated board for tubular containers. 2,604,984, July 29.

Apothéloz, Robert, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Impact fuse for rocket projectiles. 2,619,905, Dec. 2.

Appel, Everett H., Aurora, Ill. Pick-up arrangement for agricultural leading machines. 2,597,218, May 20.

Appel, Everett H., Aurora, Ill. Bale loading machine. 2,597,219, May 20.

Appel, Everett H., Aurora, Ill. Bale loading machine. 2,597,220, May 20.

Appel, William G., Chicago, Ill. Key for musical instruments. 2,584,319, Feb. 5.

Apperson, Lester D., Convent Station, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Zinc sulfamate antiperspirant. 2,586,289, Feb. 19.

Apperson, Lester D., Convent Station, and E. L. Richardson, Fair Lawn, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Aluminum sulfamate antiperspirant preparation. 2,586,287, Feb. 19.

Apperson, Lester D., Convent Station, and E. L. Richardson, Bound Brook, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Aluminum sulfamate antiperspirant. 2,586,288, Feb. 19.

Appert, Kurt E.: *See*—
Erickson, Lennart G., and Appert.

Appert, Kurt E., San Francisco, assignor to Lenkurt Electric Co., Inc., San Carlos, Calif. Carrier type signaling system. 2,611,031, Sept. 16.

Apple, Edward G., Burlington, N. C. Denture marking instrument. 2,618,068, Nov. 18.

Apple, Lee S., Syracuse, N. Y., assignor to General Electric Company. Dynamic braking system. 2,615,152, Oct. 21.

Appleby, Amedee D., Odessa, Tex. Grinding machine. 2,587,952, Mar. 4.

Applegate, Lindsay M., Oswego, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Circuit breaker. 2,611,846, Sept. 23.

Applegate, Lindsay M., Portland, and L. R. Spaulding, Oswego, Oreg. Protective relay system. 2,602,841, July 8.

Applegate, Robert D., Attica, Ind. Grain drier. 2,600,603, June 17.

Appleman, Glen, Bethlehem, Pa., assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse link. 2,614,192, Oct. 14.

Appleton, Albert, and R. A. Collinge, Earlestown, Newton-le-Willows, assignors to T. & T. Vicars Limited, Newton-le-Willows, England. Device for forming articles from plastic sheet or web materials. 2,595,560, May 6.

Appleton, Arthur L., Northbrook, Ill. Box extension ring. 2,622,756, Dec. 23.

Appleton, William A., Wembley, assignor to Arc Manufacturing Company Limited, London, England. Combined arc welding electrode holder and high-frequency generator. 2,612,582, Sept. 30.

Appleton Wood Products Co., assignee: *See*—
Van Ryzin, Joseph P.

Applewhite, Jesse E., Laredo, Tex. Diamond-charged saw blade. 2,608,036, Aug. 26.

Appliance Engineering Co., assignee: *See*—
Beuscher, William B.

Appliance Corporation of America, assignee: *See*—
Horvath, John F.

Aquaness Corporation, assignee: *See*—
Todd, Raymond W., and Fuchs.

Aqua-Therm, Inc., assignee: *See*—
Beringer, William J.

Aquilla, John, Brooklyn, assignor to Eagle National Printing and Die Cutting Corp., New York, N. Y. Machine for making corrugated paperboard. 2,587,273, Feb. 26.

Arakelian, Haig M., Peabody, Mass. Liquid filtering element. 2,592,104, Apr. 8.

Aram, Nathan W., Park Ridge, Ill., assignor to Zenith Radio Corporation. Subscription television system. 2,632,041, Dec. 30.

Arant, Perry, San Gabriel, assignor to Clarton Manufacturing Company, El Monte, Calif. Detergent dissolving apparatus. 2,604,386, July 22.

Arata, George C., executor: *See*—
Baender, Charles L.

Arato, Achille, Turin, Italy. Variable-speed transmission mechanism. 2,595,439, May 6.

Arbib, Richard H., Grosse Point Woods, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard structure. 2,613,099, Oct. 7.

Arbib, Richard H., New York, N. Y., assignor to Swank, Inc. Salesman's carrying case. 2,604,959, July 29.

Arbib, Richard H., New York, N. Y., assignor to Swank, Inc. Necktie rack. 2,604,998, July 29.

Arbit, Harry A.: *See*—
Burtner, Robert R., and Arbit.

Arbiter, Nathaniel, and O. E. Young, Morenci, Ariz., assignors to Phelps Dodge Corporation, New York, N. Y. Selective recovery of molybdenum sulfide by flotation. 2,608,298, Aug. 26.

Arbogast, Alfred C., assignor to Northern Indiana Brass Co., Elkhart, Ind. Making pipe joints. 2,598,338, May 27.

Arbuckle, Frederick M.: *See*—
Lindley, Frederick A., and Arbuckle.

Arbuckle, Lawrence L., Chicago, assignor to Bell & Gossett Company, Morton Grove, Ill. Heat exchanger for refrigerating systems. 2,596,195, May 13.

Arc Manufacturing Company Limited, assignee: *See*—
Appleton, William A.

Arcadia Metal Products, assignee: *See*—
Best, Melvin H., and Le Bon.

Archambault, Jean M., Asnieres, France. Railway vehicle axle mounting. 2,614,508, Oct. 21.

Archbold, Ralph L.: *See*—
Davis, Archibald H., and Archbold.

Archbold, Richard, assignee: *See*—
Nagel, Robert J.

Archer, Clarence D., and K. L. Shuey, Knights Landing, Calif. Winged barrow hitching cart. 2,599,084, June 3.

Archer-Daniels-Midland Company, assignee: *See*—
Slotter, Richard L.

Archer, Edna M., Los Angeles, Calif. Massaging machine. 2,589,322, Mar. 18.

Archer, Jean, Paris, France. Goods elevator for vehicles. 2,589,654, Mar. 18.

Archer, John, assignor to English Steel Corporation Limited, Sheffield, England. Screw threading die and its manufacture. 2,607,935, Aug. 26.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. Iodinated aminophenylsulfonylamino carboxylic acids. 2,592,105, Apr. 8.

Archer, Sydney, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Alkoxyalkyl iodobenzoates. 2,612,517, Sept. 30.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 3,5-diiodo-4-pyridylmercapto-carboxylic acids and their preparation. 2,615,895, Oct. 28.

Archer, Sydney, and C. M. Suter, Albany, assignors to Sterling Drug Inc., New York, N. Y. Tertiary-aminoalkyl diarylmethyl sulfones and their preparation. 2,618,637, Nov. 18.

Archer, Sydney, and C. M. Suter, Albany County, and B. F. Tullar, Rensselaer, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Certain amino hydrocarbon sulfones and preparation. 2,618,640, Nov. 18.

Archer, Vincent W., Charlottesville, Va., assignor to Research Corporation, New York, N. Y. Radiant energy opaque fabric. 2,623,549, Dec. 30.

Archer, William K., assignor to Injection Molding Company, Kansas City, Mo. Sealing holow bodies, such as bottles and similar containers of plastic material. 2,588,604, Mar. 11.

Archibald, Francis M., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating oil with sulfur trioxide. 2,581,064, Jan. 1.

Archibald, Francis M., Elizabeth, N. J., assignor to Standard Oil Development Company. Glass sampling pump. 2,604,851, July 29.

Archibald, Francis M., Elizabeth, N. J., assignor to Standard Oil Development Company. Continuous settling apparatus. 2,613,811, Oct. 14.

Archibald, Frederick R., St. George, S. C., assignor to Ancor Corporation, New York, N. Y. Alumina extraction. 2,604,379, July 22.

Archibald, Ian W., assignor to James Hardie & Coy. Pty. Limited, Sydney, New South Wales, Australia. Apparatus for the manufacture of glass wool and other filamentous liquefiable solid materials. 2,588,690, Mar. 11.

Archie, Bennie L., Jr., Los Angeles, Calif. Combination bathtub and washtub. 2,580,638, Jan. 1.

Arcidiacono, Peter, Maplewood, N. J., assignor, by mesne assignments, to Harvel Research Corporation. Coated base, the coating being in macrocrystalline form and composed of normally solid film forming material and trioxane. 2,584,657, Feb. 5.

Arco Company, The, assignee: *See*—
Hexter, Paul L.

Arcus, Alex A.: *See*—
Luttringhaus, Hans, Flint, and Arcus.

Ardell, Edgar: *See*—
Fischer, Paul E., and Ardell.

Ardell, Edgar, Middletown, Conn., assignor, by mesne assignments, to Emhart Manufacturing Company. Case unloader. 2,609,109, Sept. 2.

Arden Farms Co., assignee: *See*—
Kipper, Allen F.
Luterick, Marcellus C.

Ardis, Alan E.: *See*—
Gilbert, Harry, and Ardis.
Schmidt, Richard F., Ardis, and Gilbert.

Ardis, Alan E., Cuyahoga Falls, Ohio, assignor, to The B. F. Goodrich Company, New York, N. Y. Preparation of diacyl cyanides. 2,596,804, May 13.

Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Solutions of polymers of vinylidene cyanide. 2,600,180, June 10.

Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with monoolefins. 2,615,865, Oct. 28.

Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 1-acetoxy-1,1-dicyano-ethane. 2,623,062, Dec. 23.

Arditi, Maurice, assignor to International Standard Electric Corporation, New York, N. Y. Storage tube system. 2,617,963, Nov. 11.

Arditi, Maurice, New York, and W. D. Urban, Queens Village, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Making secondary emission electrodes. 2,586,771, Feb. 26.

Ardito, William A., West Springfield, and J. Pickford, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction cleaning apparatus. 2,582,219, Jan. 15.

Ardussi, Wallace F., Rocky River, Ohio, assignor to Hupp Corporation, formerly Hupp Motor Car Corporation, Detroit, Mich. Seat supporting structure. 2,614,608, Oct. 21.

Arehart, David D., and R. T. Dittmer, assignors to Palace Corporation, Flint, Mich. Collapsible building. 2,611,454, Sept. 23.

Arelt, Eugene G., assignor to Onondaga Pottery Company, Syracuse, N. Y. Machine for finishing articles of pottery ware. 2,608,738, Sept. 2.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Interior illumination system for vehicles and recessed twin beam fixtures therefor. 2,582,738, Jan. 15.

Arenberg, Albert L., Highland Park, and E. C. Zimmerman, Winnetka, assignors to Patent License Corporation, Chicago, Ill. Car lighting structure. 2,587,807, Mar. 4.

Arenberg, David L., Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Multichannel filter. 2,596,460, May 13.

Arends, Jacobus L., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver. 2,611,083, Sept. 16.

Arengo, Christopher G., assignor of one-half to Bristol Repetition Limited, Portishead, England. Tool setting device on lathes and other machine tools. 2,600,829, June 17.

Arengo-Jones, Rhys W., Toronto, Ontario, Canada, assignor to Food Machinery and Chemical Corporation. Seed celling machine. 2,614,593, Oct. 21.

Arens, Cecil F., South Bend, Ind. Sash hanger. 2,598,093, May 27.

Arentzen, Holger C., assignor to Fonofilm Industri A/S, Copenhagen, Denmark. Moving-coil phonograph pickup. 2,591,996, Apr. 8.

Arentzen, Holger C., Copenhagen, Denmark. Electrodynamic recording device. 2,617,894, Nov. 11.

Arey, Ralph G., assignor to Ward Machine Company, Inc., Brockton, Mass. Handle-container for different size hexagonal wrenches. 2,593,828, Apr. 22.

Arey, Ralph G., Brockton, Mass. Repeating safety razor. 2,610,394, Sept. 16.

Argården, Carl G., assignor to Svenska Aktiebolaget Tell, Stockholm, Sweden. Molding machine for hollow stones and the like. 2,622,301, Dec. 23.

Argus Cameras, Inc., assignee: *See*—
Wilkinson, Leonard A.

Ariens, Mando S., Brillion, Wis. Rotary tiller. 2,616,348, Nov. 4.

Aries, Robert S., Brooklyn, N. Y. Extracting proteins from yeast. 2,603,630, July 15.

Aries, Robert S., New York, N. Y. Brake and handle arrangement for baby carriages. 2,582,737, Jan. 15.

Aries, Robert S., New York, N. Y., and H. C. Needle, Chicago, Ill. Producing lactic acid. 2,588,460, Mar. 11.

Aristocrat Manicuring Company, assignee: *See*—
Kessler, Merrill.

Arkansas Company, Inc., assignee: *See*—
Cook, Alton A., and Sapers.
Cook, Alton A., Shane and Whitworth.

Arkell Safety Bag Company, assignee: *See*—
Doyle, James F.

Arkelyan, Adele M.: *See*—
Eskin, Samuel G., Rice, and Arkelyan.

Arkis, Jerome W., Hammond, Ind., and D. I. Walker, Evanston, assignors to Standard Oil Company, Chicago, Ill. Cleansing composition. 2,607,741, Aug. 19.

Arledter, Hanns: *See*—
Engelhardt, Rudolf, and Arledter.

Arledter, Hanns, Koln-Kalk, and R. Engelhardt, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Electrical capacitor and foil therefor. 2,593,829, Apr. 22.

Arlington Machine Works, Inc., assignee: *See*—
Stahl, Fred A.

Arlington Sheet Metal Corporation, assignee: *See*—
O'Shea, John E.

Arma Corporation, assignee: *See*—
Cunningham, Frederick W.
Davis, Arthur P., and Agins.
Krell, Alfred.

Armacost, Wilbur H., Scarsdale, N. Y., assignor to Combustion Engineering-Superheater, Inc. Spacing ferrule for bonding fins to tubes. 2,618,234, Nov. 18.

Armacost, Wilbur H., Scarsdale, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Steam generator with dust separator. 2,623,505, Dec. 30.

Armacost, Wilbur H., Scarsdale, and D. M. Schoenfeld, New York, N. Y., assignors, by mesne assignments, to Combustion Engineering-Superheater, Inc. High temperature fluid heater. 2,614,541, Oct. 21.

Armand, Clifford G. M., Cheltenham, England. Mold for molding sweetmeats. 2,592,232, Apr. 8.

Armand, Estelle T., née Dumais, Montreal, Quebec, Canada. Bookmarking device. 2,585,421, Feb. 12.

Armari, Ettore, Chiasso, Switzerland. Apparatus for automatically glazing elements arranged on flexible bands, particularly for coloring sliding clasp fasteners. 2,597,049, May 20.

Armbrust, Henry N., Jamestown, R. I., assignor to Proportioneers, Inc. Chemical feeding device. 2,621,795, Dec. 16.

Armbruster, Gordon E., Oak Park, and C. C. Cole, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical test equipment. 2,603,683, July 15.

Armbruster, John W., East Rockaway, N. Y. Container safety lock. 2,588,605, Mar. 11.

Armco Steel Corporation, assignee: *See*—
Bloom, Frederick K.
Cobb, Harold W.
Hudson, Edwin B.
Jackson, John M., and Carpenter.
Jennings, Paul A.
Kreml, John F.
Littmann, Martin F., and Heckh.
Loveless, Donald L.
Marshall, Marcus W., and Waxweiler.
Olt, Theodore F., and Canfield.
Reinartz, Leo F., and Fon Dersmith.
Tanczyn, Harry.

Armelin, Edouard-Roger, London, England. Device for use in connection with pens or pencils. 2,620,143, Dec. 2.

Armenti, James, Maplewood, N. J. Bobbin winder. 2,584,320, Feb. 5.

Armento, William H., Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Diphenyl disazo dyes containing deaminated amine coupling components. 2,607,769, Aug. 19.

Armentrout, Arthur L., Long Beach, Calif. Circulation control for wells and actuator therefor. 2,616,503, Nov. 4.

Armentrout, Arthur L., Long Beach, Calif. Circulating unit and actuator therefor. 2,619,179, Nov. 25.

Armer, Austin A., Davis, assignor to Spreckels Sugar Company, San Francisco, Calif. Apparatus for separating mud, weeds, and stems from vegetables. 2,604,206, July 22.

Armfield, Wyatt J.: *See*—
Hay, Vernon H., and Armfield.

Armington, George E.: *See*—
Armington, Raymond Q. and G. E.

Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Two-speed power steering. 2,583,197, Jan. 22.

Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Drive control for tractor-trailer unit. 2,604,177, July 22.

Armington, Raymond Q., Shaker Heights, and G. E. Armington, South Euclid, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Excavating and loading plow with endless conveyer. 2,618,083, Nov. 18.

Armistead, Fontaine C.: *See*—
Mead, Louis W., and Armistead.

Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,584,974, Feb. 12.

Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,584,975, Feb. 12.

Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,606,841, Aug. 12.

Armitage, Frank L.: *See*—
Hewitt, Donald H., and Armitage.
Swanson, Carl R., Olson, and Armitage.

Armitage, Frank, and E. S. J. Fry, Homerton, London, England, assignors, by meane assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Interpolymers and making same. 2,589,655, Mar. 18.

Armitage, Frank, London, and J. J. Sleightholme, Carlisle, Cumberland, England, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of interpolymers of styrene with unsaturated fatty acids and polyhydric alcoholic esters thereof. 2,586,593, Feb. 19.

Armitage, Joseph B., Wauwatosa, and H. L. Heywood, West Allis, Wis. Hydraulic clutch mechanism. 2,600,043, June 10.

Armitage, Joseph B., Wauwatosa, J. N. Flannery, West Allis, and J. B. Lukey, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool control mechanism. 2,603,321, July 15.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 2,605,677, Aug. 5.

Armitage, Joseph B., Wauwatosa, and O. W. Barker, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Milling and boring machine. 2,605,678, Aug. 5.

Armitage, Joseph B., Wauwatosa, and O. W. Barker, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool structure and transmission mechanism. 2,621,566, Dec. 16.

Armitage, Norman A., Watford, and J. Henderson, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring process for nylon. 2,623,834, Dec. 30.

Armor, Robert L., Los Angeles, and H. I. Winslow, North Hollywood, assignors of one-half to E. T. Mape, San Francisco, Calif. Coin-controlled credit system. 2,623,621, Dec. 30.

Armour and Company, assignee: *See*—
Barr, James A., Jr.
Black, James.
Cornwell, Earl D., and Dobija.
Davis, Charles J., Jr.
Fencil, Louise K., Cavanaugh, and Borkenhagen.
Harrington, Bertie S.
Hull, Maurice E.
Jacob, William A., Jr., and Van de Erve.
Kaiser, Emil, and Svarz.
Kaiser, Emil, Andersen, and Svarz.
Kell, Havard L.
Marcoux, Melvin W.
Maxwell, Loyal C., and Hinkel.
Morris, Charles E., and Khym.
Orth, George O., Jr.
Ralston, Anderson W., Vander Wal and Harwood.
Reck, Richard A.
Reynolds, Henry J., and Strong.
Shuppee, Jonathan.
Sifferd, Robert H.
Sifferd, Robert H., and Schmitt.
Storrs, Arnold B., and Froedge.
Sullivan, William R., and Cleary.
Thompson, Robert E.
Teone, Conrad.
Turinsky, Otto.
Vander Wal, Robert J., and Van Akkeren.
Weber, William F.
Wiesman, Clarence K., Whetzell and Schjeldahl.

Armour, Louise, Washington, D. C. Dart for torso-fitting lady's garment. 2,582,739, Jan. 15.

Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Danisch, Marion S.
Heeren, Martin H., and Camras.
Lloyd, William R., and Sotres.
Wiegand, David E.
Zenner, Raymond E.

Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding lobed forms. 2,580,989, Jan. 1.

Armstrong, Adam E., assignor to Armstrong Machine Works, Three Rivers, Mich. Threading attachment for lathes. 2,590,224, Mar. 25.

Armstrong-Bray & Co., assignee: *See*—
Llewellyn, Rossiter S.

Armstrong, Charles E., Portland, Oreg. Thermostat. 2,613,298, Oct. 7.

Armstrong Coalbreak Company, assignee: *See*—
Filstrup, Edward C.
Filstrup, Edward C., Jr.

Armstrong Cork Company, assignee: *See*—
Barsy, Imre J.
Baymiller, John W.
Benner, Joseph A., and Sharf.
Billmeyer, Bruce R.
Bishop, Le Roy D.
Breuer, Frederick W., and Zentmyer.
Dryer, Edward L.
Elliott, Charles G.
Feigle, David A., Jr.
Gard, George E.
Gard, George E., and Phillips.
Guenther, Martin H.
Heinzelman, Earl E.
Herr, Benjamin F.
Humphreys, Harry S.
Johnson, Warren C.
Kyle, Joseph H., Adams, and Brunner.
Leed, Edgar I.

Armstrong Cork Company, assignee: *See*—Continued.
Lohr, Albert M.
Navikas, Victor A.
Powers, Edison.
Powers, Henry L., and Reehling.
Roselle, Herbert, Jr.
Schaller, Carl J.
Wiley, John W.
Worm, Erwin A., Jr., and Raymond.

Armstrong, Daniel A., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Outboard motor with removable cover casing. 2,600,181, June 10.

Armstrong, Daniel A., and H. K. Palmer, assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Outboard motor starting device. 2,592,639, Apr. 15.

Armstrong, Edwin H., New York, N. Y. Radio signaling. 2,602,885, July 8.

Armstrong, Eldon L.: *See*—
Nichols, Clayton W., Jr., Armstrong and Schroeder.
Schott, John E., and Armstrong.

Armstrong, Eldon L., Garden City, and R. A. Butcosk, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Stabilized greases. 2,605,225, July 29.

Armstrong, Ellis B., Lubbock, Tex. Well packer with expandible seals. 2,589,656, Mar. 18.

Armstrong, Francis J., Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Filter. 2,592,527, Apr. 15.

Armstrong, Frank W., Jr.: *See*—
Carpenter, Otis R., and Armstrong.
Carpenter, Otis R., Armstrong, and Rasmusen.

Armstrong, Glenn, Lone Fountain, Va. Animal and poultry snare and killer. 2,616,123, Nov. 4.

Armstrong, Godfrey P., Kingswood, T. Bewley, Epsom, and K. H. W. Turck, Banstead, England, assignors, by mesne assignments, to Hercules Powder Company. Manufacture of isopropyl benzene hydroperoxide. 2,619,510, Nov. 25.

Armstrong, Howard H., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Expansible plug closure. 2,604,225, July 22.

Armstrong, James F., Detroit, Mich., and F. A. Kommer, assignors to Carter Carburetor Corporation, St. Louis, Mo. Valve assembly. 2,603,444, July 15.

Armstrong, John E., and C. Jacuzzi, Berkeley, Calif., assignors to Jacuzzi Bros., Incorporated. Air charger for water systems. 2,621,597, Dec. 16.

Armstrong, John H., and D. E. Sullivan, Washington, D. C. Fluid control shock testing device. 2,604,777, July 29.

Armstrong, John L., assignor to Eastern States Petroleum Co., Inc., Houston, Tex. Sealing device for regenerator apparatus. 2,590,293, Mar. 25.

Armstrong, John W.: *See*—
Frank, Bernard E., Armstrong, and Histed.

Armstrong Machine Works, assignee: *See*—
Armstrong, Adam E.

Armstrong, Marshall C., Hebron, and E. M. Lockhart, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Bonded mineral fiber products and preparing the same. 2,604,427, July 22.

Armstrong, Paul L., Johnson City, and D. B. Pence, Limestone, Tenn. Automobile radiator cleaning device. 2,598,963, June 3.

Armstrong Riding Car Operator Corp., assignee: *See*—
Armstrong, Westropp.

Armstrong, Robert T.: *See*—
Small, Frederick T., Armstrong, and Shoup.

Armstrong Rubber Company, The, assignee: *See*—
Buddenhagen, Frederick E.

Armstrong, Ruth, assignee: *See*—
Armstrong, Thomas.

Armstrong Siddeley Motors Limited, assignee: *See*—
Clark, Thomas, and Harvey.

Armstrong, Thomas, Oakville, Ontario, Canada, assignor to R. Armstrong. Window blind. 2,605,824, Aug. 5.

Armstrong, Thomas, Oakville, Ontario, Canada, assignor to R. Armstrong. Window blind. 2,605,825, Aug. 5.

Armstrong, Victor C., Short Hills, N. J. Device for setting golf balls and tees. 2,609,198, Sept. 2.

Armstrong, Wayne, Woodland, Calif. Can cutter. 2,602,993, July 15.

Armstrong, Westropp, Philadelphia, Pa., assignor to Armstrong Riding Car Operator Corp., Chicago, Ill. Elevator car-borne mechanism for translating pin-engaging jaws. 2,604,191, July 22.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Aitchison, John P., and Bonkemeyer.
Bartlett, Paul D., and Dauben.
Bartlett, Paul D., and McKusick.
Beekman, Emile McK.
Berdick, Murray, and Hochstadt.
Brady, James M.
Bryant, Eugene E.
Colley, Martin H.
Curran, Joseph.
Daniel, Arthur F.
Dixon, Paul H.
Drake, Nathan L., and Eaker.
Drake, Nathan L., Eaker and Shenk.
Dunn, Ralph L.
Ellis, Grenville B.

Army, United States of America as represented by the Secretary of the, assignee: *See*—Continued.
Fieser, Louis F., and Hershberg.
Fischbach, Adolph.
Fischer, Karl A., and Hecht.
Gay, Herman P.
Gordon, William.
Gruss, George A.
Higbie, Howard E.
Hunrath, George.
Huzel, Dieter K.
Jacobs, Harold, and Martin.
Kallmann, Hartmut P.
Kuthe, Herman K., and Bloemeke.
Lippel, Bernard.
MacGlashan, William F., Jr.
Mankowich, Abraham.
Maresca, Peter T.
Margraf, Harry J., and MacGlashan.
Michel, Josef M., and Hager.
Milton, Clare L., Jr., and Nielson.
Minor, Francis W., Sookne, Harris, and Fyle.
Newman, Melvin S., and Magerlein.
Nielson, Carl A., Leonard, and Cort.
Price, Charles C., and Roberts.
Rabinow, Jacob.
Raburn, Louis E., and Woods.
Rothstein, Jerome.
Sanders, Lawrence C.
Sculthorpe, Raymond.
Showers, Ralph M., and Weisbecker.
Siggers, Philip E.
Speaker, Harry B.
Spencer, Burdell D.
Swartz, Louis, and Hughes.
Wagner, Herbert M.
Ziegler, Hans K.

Armzen Company, Incorporated, assignee: *See*—
Sendzimir, Tadeusz.

Arnall, Horace J., Clay City, Ill. Auxiliary gas lift for oil wells. 2,612,117, Sept. 30.

Arnaud, Henri, Paris, France. Instantaneous heating of a fluid circulating in a tube. 2,616,022, Oct. 28.

Arnaud, Jean C., Facture, assignor to La Cellulose du Pin, Paris, France. Centrifugal evaporator. 2,623,580, Dec. 30.

Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Road edger for a moldboard type road grader. 2,622,350, Dec. 23.

Arndt, John P., Jr., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric transducer with push-pull and feedback circuit. 2,594,841, Apr. 29.

Arndt, John P., Jr., Euclid, and J. E. Shomer, Jr., assignors to The Brush Development Company, Cleveland, Ohio. Frequency modulated magnetic recording and reproducing. 2,583,983, Jan. 29.

Arndt, Wilhelm P., North Hollywood, Calif., assignor to General Foods Corporation, New York, N. Y. Extraction of citrus juice. 2,608,486, Aug. 26.

Arne, Christian, Chicago, Ill. Compound siphon. 2,617,262, Nov. 11.

Arner, Sterling R.: *See*—
Currie, Grover C., Dans, and Arner.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Paperboard partitioned article carrier. 2,584,658, Feb. 5.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,587,808, Mar. 4.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle loader. 2,587,953, Mar. 4.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,594,376, Apr. 29.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,594,377, Apr. 29.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,616,611, Nov. 4.

Arneson, Lawrence E., Morris, assignor to Morris Paper Mills, Chicago, Ill. Carton setup machine. 2,585,074, Feb. 12.

Arneson, Lawrence E., Morris, assignor to Morris Paper Mills, Chicago, Ill. Machine for inserting handles in cartons. 2,601,816, July 1.

Arneson, Lawrence E., Morris, assignor to Morris Paper Mills, Chicago, Ill. Carton loading machine. 2,608,330, Aug. 26.

Arnett, Leslie, Chicago, Ill., assignor of one-half to Square Manufacturing Company and one-half to ABC Vending Corporation, New York, N. Y. Beverage dispensing machine. 2,583,461, Jan. 22.

Arnett, Millard F., Fairmont, W. Va. Coin dispenser. 2,587,809, Mar. 4.

Arney, Charles E., Indianapolis, Ind. Water level responsive control switch assembly. 2,583,077, Jan. 22.

Arnold, Albert W., Beverly Hills, assignor to Cascade Pump Company, Los Angeles, Calif. Pump. 2,599,600, June 10.

Arnold, Alfred L., assignee: *See*—
Housley, Robert B.

Arnold, Charles R., New Richmond, Wis., assignor, by mesne assignments, to Harris Trust and Savings Bank and W. H. Milsted, as trustees. Liquid level control. 2,606,572, Aug. 12.

Arnold, Clifford H., Chicago, Ill. Work rest blade. 2,581,226, Jan. 1.

Arnold, Ernest A., Monument, Kans. Tractor jack. 2,590,361, Mar. 25.

Arnold, Evelyn: *See*—
Guion, Henry A., and Arnold.

Arnold, George, assignee: *See*—
Housley, Robert B.

Arnold, George, Shaker Heights, H. A. Schultz, Garfield Heights, and E. E. Rhoads, Solon, assignors to Cleveland Frog & Crossing Co., Cleveland, Ohio. Rail brace. 2,600,185, June 10.

Arnold, George B.: *See*—
Bruner, Frank H., Hess, and Arnold.
Hess, Howard V., and Arnold.
Hess, Howard V., Arnold, and Drabkin.
Hess, Howard V., Arnold, and Truitt.
Pevere, Ernest F., and Arnold.

Arnold, George B., Coral Gables, assignor to Arnold Products, Inc., Miami, Fla. Window construction. 2,581,465, Jan. 8.

Arnold, George B., Glenham, and L. Kovach, Beacon, assignors to The Texas Company, New York, N. Y. Refining kerosenes and gas oil by ternary azeotropic distillation with furfural and water. 2,600,182, June 10.

Arnold, George B., Fishkill, and L. Kovach, Beacon, assignors to The Texas Company, New York, N. Y. Refining kerosenes and gas oil by ternary azeotropic distillation. 2,600,184, June 10.

Arnold, George B., Glenham, H. V. Hess, and W. E. Skelton, Beacon, assignors to The Texas Company, New York, N. Y. Separation of wax constituents and the like from oil. 2,606,140, Aug. 5.

Arnold, Geraid D., Wauwatosa, Wis. Rotary drum heat exchanger. 2,618,865, Nov. 25.

Arnold, Herrick R. Wilmington, and J. E. Carnahan, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal molybdite catalyzed hydrogenation process. 2,584,531, Feb. 5.

Arnold, Herrick R., Wilmington, and J. E. Carnahan, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal molybdite catalyzed dehydration process. 2,591,493, Apr. 1.

Arnold, John H., Summit, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,623,057, Dec. 23.

Arnold, Junior K., assignor of twenty-five per cent to W. C. Ackley and twenty-five per cent to H. V. Hardacre, Cedar Rapids, Iowa. Child's car seat. 2,613,724, Oct. 14.

Arnold, Lionel K.: *See*—
Sweeney, Orland R., Brown and Arnold.

Arnold, Lucien T., Pensacola, Fla. Carburetor. 2,583,406, Jan. 22.

Arnold, Phillip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing carbon black. 2,617,714, Nov. 11.

Arnold Products, Inc., assignee: *See*—
Arnold, George B.

Arnold, Robert C.: *See*—
Zimmerschied, Wilford J., and Arnold.

Arnold, Russell W.: *See*—
Nielsen, Morris L., Arnold, and Chapin.

Arnold, Stanfield N.: *See*—
Frisch, Martin, and Arnold.

Arnold, Stanfield N., Dansville, assignor to Foster Wheeler Corporation, New York, N. Y. Missile. 2,604,045, July 22.

Arnold, Walter A., Songelgerong, Palembang, Sumatra, Netherland East Indies, assignor to Standard Oil Development Company. Purifying isobutylene by sulfuric acid extraction. 2,581,065, Jan. 1.

Arnold, William W., Jennings Lodge, Oreg. Illuminated level. 2,607,882, Aug. 19.

Arnot, Alfred E. R., assignor to E. Kaye and J. R. Sharp, Isleworth, England. Electric motor-driven installation. 2,595,749, May 6.

Arnoux, César, Le Noirmont, Switzerland. Tight watchcase. 2,587,087, Feb. 26.

Arnow, Peter, Nanuet, assignor to American Cyanamid Company, New York, N. Y. Drug inhalator. 2,603,215, July 15.

Arnthal, Margit, Zurich, Switzerland, assignor to Twin Bags Inc., Tokyo, Japan. Handbag. 2,622,647, Dec. 23.

Arntzen, Clyde E.: *See*—
Swiss, Jack, and Arntzen.

Aro Equipment Corporation, The, assignee: *See*—
Carter, John F.
Fenger, Nicholas.
Ferruzzi, Frank J.
Ginter, Charles W.
Sneller, James A.

Aron, Edmund, assignor to Moto-Sway Corporation of America, South Pasadena, Calif. Chassis supporting structure for vehicle lifts. 2,592,845, Apr. 15.

Aron, Walter A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave guide joint. 2,597,143, May 20.

Aronberg, Lester, Chicago, Ill. Pipe joint sealing compound. 2,623,830, Dec. 30.

Aronsen, Aron B. K., Oslo, Norway. Booking apparatus. 2,606,776, Aug. 12.

Aronson, David, Greensburg, assignor to Elliott Company, Jeannette, Pa. Gas purifying method and apparatus. 2,590,145, Mar. 25.

Aronson, David, Greensburg, assignor to Elliott Company, Jeannette, Pa. Combustion apparatus using compressed air. 2,609,040, Sept. 2.

Aronson, Theodore F.: *See*—
Halahan, John, Aronson, and Lyon.
Halahan, John, Lyon, Mortimer, and Aronson.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Adjustable base for boring machines. 2,604,284, July 22.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring connecting rods. 2,612,064, Sept. 30.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring connecting rods. 2,614,442, Oct. 21.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring pistons. 2,618,178, Nov. 18.

Arps, Edmund J., Oshkosh, Wis., assignor, by mesne assignments, to Maxim Motor Company, Middleboro, Mass. Turntable control means for aerial ladders. 2,614,743, Oct. 21.

Arrigo, Mike, Pueblo, Colo. Vehicle wheel chock. 2,581,619, Jan. 8.

Arps, Jan J., Tulsa, Okla. Well or borehole logging. 2,583,288, Jan. 22.

Arrieta, Casimiro del T., Buenos Aires, Argentina. Hypodermic syringe. 2,581,162, Jan. 1.

Arrow Fastener, Inc., assignee: *See*—
Boroughs, Frank S.

Arrow-Hart & Hegeman Electric Company, The, assignee: *See*—
Dietrich, Walter L.
Schleicher, Harold E.

Arrow Metal Products, assignee: *See*—
Rubin, Samuel J.

Arrow Safety Device Company, assignee: *See*—
Young, Thomas F.

Arrowood, Thomas A., Corpus Christi, Tex. Detachable wheel mounting unit for boats. 2,603,505, July 15.

Arrowsmith, John D., Richmond Beach, Wash. Flower snips. 2,582,472, Jan. 15.

Arruda, Augustine, Yonkers, N. Y., assignor to Time Savers, Inc., Montclair, N. J. Garment folding device. 2,616,595, Nov. 4.

Art-Block Development Co., assignee: *See*—
Warner, Warren A.

Artcraft Products Company, assignee: *See*—
Hastings, Dwight.

Arthur, Arnold K., Rochester, N. Y. Automobile screen. 2,609,872, Sept. 9.

Arthur, Charles J., Westport, Conn. Packaging system. 2,619,227, Nov. 25.

Arthur, Evan M., West Heath, Birmingham, England. Wheel track gauge. 2,623,297, Dec. 30.

Arthur, Oscar F., and F. Schulle, deceased, Pueblo Savings & Trust Company, Pueblo, Colo., executor of said F. Schulle, assignor to said Arthur. Rail anchor. 2,600,089, June 10.

Arthur, Paul, Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of nitriles. 2,583,984, Jan. 29.

Arthur, Richard P., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Crossbar switch. 2,611,827, Sept. 23.

Arthur, Robert A., Santa Monica, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Flow control valve. 2,608,985, Sept. 2.

Artichokes Inc., assignee: *See*—
Rose, Jess.

Artim, Edward: *See*—
Ullmann, Harry M., Smull, and Artim.

Artis, Samuel W., Jr., Boise, Idaho. Roof jack. 2,614,867, Oct. 21.

Artisan Novelty Company, assignee: *See*—
Black, Howard M.

Artistic Foundations, Inc., assignee: *See*—
Kahn, Mack.

Artman, Marion D., Chicago, Ill. Child's shampoo board. 2,599,217, June 3.

Art Metal Construction Company, assignee: *See*—
Jones, James R., Bloomstran, and Gronberg.
Larson, Oscar J.
Olson, Herbert H., and Johnson.

Arton, John A., Chicago, Ill. Convertible furniture. 2,588,071, Mar. 4.

Artoni, Maurice, assignor to P. Dreyfuss-Baumann and A. Lilienfeld, Paris, France. Making split rings. 2,623,550, Dec. 30.

Artsay, Nicholas C., Valhalla, assignor to Foster Wheeler Corporation, New York, N. Y. Steam separator. 2,592,530, Apr. 15.

Artz, Neal E., and W. Hach, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Refining crude inositol-containing solutions and for recovering inositol therefrom. 2,615,033, Oct. 21.

Artzt, William W., New Rochelle, N. Y. Shirt and making same. 2,588,606, Mar. 11.

Arundale, Erving: *See*—
Banes, Fred W., and Arundale.
Leyonmark, George F., and Arundale.

Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Preparation of halogenated esters. 2,607,800, Aug. 19.

Arundale, Erving, A. H. Gleason, and F. W. Banes, Westfield, N. J., assignors to Standard Oil Development Company. Preparation of drying oils from diolefins. 2,586,594, Feb. 19.

Arundale, Erving, Westfield, and J. P. Thorn, Cranford, N. J., assignors to Standard Oil Development Company. Synthetic lubricant. 2,588,194, Mar. 4.

Arundale, Erving, Westfield, N. J., and F. Bascom, Staten Island, N. Y., assignors to Standard Oil Development Company. Producing a butadiene-acrylonitrile copolymer latex of high solids content. 2,589,919, Mar. 18.

Arundale, Erving, Westfield, and J. P. Thorn, Elizabeth, N. J., assignors to Standard Oil Development Company. Sweetening process. 2,608,520, Aug. 26.

Arundale, Erving, Westfield, and H. O. Mottern, Bloomfield, N. J., assignors to Standard Oil Development Company. Production of unsaturated carbonyl compounds. 2,620,357, Dec. 2.

Arundale, John B., Accrington, Lancashire, and J. J. Haythornthwaite, Huncoat, Lancashire, assignors of one-third to Howard and Bullough Limited, Accrington, England. Drafting apparatus of textile spinning and analogous machines. 2,597,278, May 20.

Arutunoff, Armais, Bartlesville, Okla. Drag bit. 2,587,429, Feb. 26.

Arutunoff, Armais, Bartlesville, Okla. Apparatus for drilling deep wells. 2,609,182, Sept. 2.

Arutunoff, Armais, Bartlesville, Okla. Core disintegrating drilling tool. 2,619,325, Nov. 25.

Arvela, Aukusti J., Leppavaara, Finland. Magnetic variometer. 2,596,638, May 13.

Arvey Corporation, assignee: *See*—
Decker, Charles A., and Scaturro.

Arvidsson, Algot: *See*—
Lamm, Uno, and Arvidsson.

Arvidsson, Algot, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Mechanical arrangement of lighting variators. 2,601,081, June 17.

Arvin Industries, Inc., assignee: *See*—
Booth, Earl C.
Farr, Edward A.
Farr, Edward A., and Theisen.
Ludlow, Edmund.
Theisen, John P.

Arvin, James A., Homewood, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Production of superbodied oils. 2,607,784, Aug. 19.

Arvin, James A., Homewood, and W. B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Copolymer of styrene and rosin and esters thereof with the alcoholysis product of a drying oil and a polyhydric alcohol containing free hydroxyl groups. 2,580,876, Jan. 1.

Arvins, Nathan A., and A. A. Arvintz, Brooklyn, N. Y. Preheater. 2,610,037, Sept. 9.

Arvintz, Abraham A.: *See*—
Arvins, Nathan A., and Arvintz.

Asachika, George R., Miami, Fla. Collapsible signboard. 2,591,494, Apr. 1.

Asaff, Annis G., Auburndale, assignor to Commonwealth Research Laboratories, Boston, Mass. Asphaltic coating compositions for flooring, etc. 2,596,323, May 13.

Asaro, Vito, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 2,596,196, May 13.

Asaro, Vito, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring cushion assembly. 2,614,615, Oct. 21.

Asbell, Ferriss E., Arlington, Calif. Concrete block molding machine. 2,589,594, Mar. 18.

Asbury, Edward M., assignee: *See*—
James, John L.

"Ascenseurs Edoux-Samain," assignee: *See*—
Roche, Henri.

Aschner, Thomas C., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Stereo-chemical equilibration of secondary carbinamines. 2,608,583, Aug. 26.

Aschner, Thomas C., Philadelphia, Pa., and J. V. Meyer, Haddon Heights, N. J., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Isolation and purification of active plant principles. 2,608,560, Aug. 26.

Ascoli, Enzo, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix. Device for actuating riders of tabulators for typewriters. 2,581,227, Jan. 1.

Ascoli, Enzo, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Changing the direction of carriage movements in typewriters. 2,615,546, Oct. 28.

Asdell, Bernard K.: *See*—
Barrett, William H., and Asdell.

Ash, Charles S., Milford, Mich. Vehicle wheel. 2,592,997, Apr. 15.

Ash, Charles S., Milford, Mich. Driven wheel assembly, including hydraulic transmission means. 2,598,876, June 3.

Ash, Clarence L., Churubusco, Ind., assignor to General Electric Company. Industrial liquid cooler automatic liquid level control. 2,590,061, Mar. 18.

Ash, James O., assignor to Madison Mixers, Inc., Madisonville, Tex. Bottled beverage mixer. 2,617,635, Nov. 11.
Ash, Paul J., Reading, Pa. Door operated spray device. 2,611,647, Sept. 23.
Ashaway Line & Twine Mfg. Co., assignee: *See*—
Crandall, Julian T.
Ashbaugh, Earl H., Petaluma, Calif. Tethering device. 2,607,320, Aug. 19.
Ashby, Carl T., and C. A. Miller, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Circulating inert gas in a refrigerating system. 2,603,955, July 22.
Ashby, Carl T., W. A. Kuenzli, and C. A. Miller, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Refrigerator drip disposal. 2,617,268, Nov. 11.
Ashby, E. S., assignee: *See*—
Hively, Loy R.
Ashby, Robert M., and J. H. Muncy, Cambridge, Mass. Photographic system for moving target indication. 2,586,772, Feb. 26.
Ashby, Willie R., assignor of fifty per cent to S. Zuckerman, Las Cruces, N. Mex. Electric outlet for barber's chair. 2,586,595, Feb. 19.
Asher, William J., Colorado Springs, Colo. Collar pressing apparatus. 2,619,268, Nov. 25.
Ashkenas, Irving L., Beverly Hills, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Full-power boost airplane control system. 2,597,769, May 20.
Ashleman, Adolph E., Waco, Tex. Automobile directional signal. 2,598,964, June 3.
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Maintaining liquid level in heat-exchange apparatus. 2,581,466, Jan. 8.
Ashley, Carlyle M., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Multiple tube direct fired air-heating furnace with crown sheet cooling means. 2,604,885, July 29.
Ashley, Carlyle M., Fayetteville, and W. L. McGrath, Syracuse, N. Y., assignors to Carrier Corporation, Newark, N. J. Dual duct air conditioning system. 2,609,743, Sept. 9.
Ashley, John W.: *See*—
Leahy, James F., and Ashley.
Shaw, Harold G., Leahy, and Ashley.
Ashley, John W., and J. F. Leahy, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Extruder injector combination for use in the attachment of heels to shoes. 2,589,323, Mar. 18.
Ashley, Julius N.: *See*—
Berg, Samuel S., and Ashley.
Ashley, Merwin F., Arlington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. High-frequency electric heating apparatus. 2,623,984, Dec. 30.
Ashlock, George W., Jr., Oakland, Calif. Fruit pitting chuck. 2,589,324, Mar. 18.
Ashlock, George W., Jr., Oakland, Calif. Machine for removing pits from fruit. 2,604,131, July 22.
Ashlock, George W., Jr., Oakland, Calif. Case hardened rubber pitting chuck. 2,614,594, Oct. 21.
Ashman, Herbert W., Hale, England, assignor to Kenaley & Mattison Company, Ambler, Pa. Concrete and shuttering floor structure. 2,601,082, June 17.
Ashmead, John, Cambridge, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Radio transmission and reception. 2,618,777, Nov. 18.
Ashmore, Leon H., assignor to Scripto, Inc., Atlanta, Ga. Inkstand and penholder. 2,616,395, Nov. 4.
Ashton, Albert A., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Selector control system. 2,611,249, Sept. 23.
Ashton, Albert A., and H. C. C. Lammermann, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Fluid level control. 2,619,984, Dec. 2.
Ashton, Benjamin N., and E. V. Barkow, assignors to Electrol Incorporated, Kingston, N. Y. Equalizing valve for plural motor systems. 2,602,298, July 8.
Ashton, Benjamin N., and E. D. Holland, Kingston, and R. A. Wulff, Hurley, assignors to Electrol Incorporated, Kingston, N. Y. Retractable landing gear. 2,621,004, Dec. 9.
Ashton Brothers & Company Limited, assignee: *See*—
Smallshaw, Francis E.
Ashton, Ernest W., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Stoffel Seals Corporation, Tuckahoe, N. Y. Poultry tag. 2,611,198, Sept. 23.
Ashton, Ernest W., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Stoffel Seals Corporation, Tuckahoe, N. Y. Poultry tag. 2,611,200, Sept. 23.
Ashton, Everett H.: *See*—
Rinne, John, Ashton, Mallard, and Lake.
Ashton, George, Los Angeles, Calif. Apparatus for continuous cooking. 2,585,293, Feb. 12.
Ashton, George, Los Angeles, Calif. Batch feeding apparatus. 2,585,294, Feb. 12.
Ashton, Howard W., South Ardmore, Pa., assignor to O. W. Storey, trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Electrometer transducer with dual mode of operation. 2,581,066, Jan. 1.
Ashwood, Norman D., Victoria, British Columbia, Canada. Catapult for launching model airplanes. 2,611,355, Sept. 23.
Ashworth, Frank: *See*—
Cunliffe, Percy W., Sharp, and Ashworth.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine frame. 2,623,488, Dec. 30.
Ashworth, Fred, Wenham, and R. Heeley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ramming mechanism for breech-loading guns. 2,619,875, Dec. 2.
Ashworth, Harry E., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electric relays. 2,581,510, Jan. 8.
Ashworth, John T.: *See*—
Schoenbaum, Alexander W., and Ashworth.
Askania Regulator Company, assignee: *See*—
Glass, Paul.
Jacques, Stanley A.
Johnston, Jesse, and Vaaler.
Ludwig, John W.
Pray, Wilbur F.
Zlebolz, Herbert, and Glass.
Zlebolz, Herbert, Gundersen, and Baetzmann.
Aske, Irving E., Muskegon, Mich. Solution mixer and distributor. 2,584,104, Feb. 5.
Aske, Irving E., Muskegon, Mich. Material dissolver and distributor. 2,588,691, Mar. 11.
Aske, Irving E., Muskegon, Mich. Apparatus for distributing soluble material. 2,589,595, Mar. 18.
Aske, Irving E., Muskegon, Mich. Grass clipping guide for lawn mowers. 2,599,883, June 10.
Aske, Irving E., Muskegon, and K. W. Fitzpatrick, North Muskegon, Mich. Ductile bismuth alloy and a ductile wire formed therefrom. 2,610,913, Sept. 16.
Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Fan for cooling induction motors. 2,586,452, Feb. 19.
Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Toaster heating element. 2,599,038, June 3.
Askell, Henry P., West Yarmouth, Mass. Nutrition indicator. 2,592,106, Apr. 8.
Asker, Gunnar C. F., assignor, by mesne assignments, to Daly, Merritt and Sullivan, Incorporated, Washington, D. C. Automatic gas drier. 2,606,627, Aug. 12.
Askin, Joseph, Chicago, Ill., assignor, by mesne assignments, to Electrimatic Company. Fluid flow sight glass. 2,594,113, Apr. 22.
Askren, Lee T., and R. J. Roman, assignors to Eastman Kodak Company, Rochester, N. Y. Plural pulley mechanism. 2,611,283, Sept. 23.
Askue, Albert R., Euclid, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Raising and supporting jack for trailers. 2,591,226, Apr. 1.
Askue, Albert R., Euclid, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Discharge conveyer for excavating machines. 2,598,339, May 27.
Asmussen, Jes, Appleton, and F. Gruper, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Winding apparatus. 2,609,157, Sept. 2.
Aspden, Samuel H.: *See*—
McTyre, Henry, and Aspden.
Aspegren, Olof E. A., Stockholm, Sweden. Rotary heat exchanger. 2,592,783, Apr. 15.
Aspenleiter, Joseph W., Calendonia, N. Y. Remote-control device for outboard motors. 2,615,418, Oct. 28.
Aspey, Wayne S.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.
Asscher, Meier, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing aminoketones. 2,585,988, Feb. 19.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic alkaline earth metal complex and making same. 2,616,904, Nov. 4.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic alkaline earth metal complexes and making same. 2,616,905, Nov. 4.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic alkaline earth metal complexes and making same. 2,616,906, Nov. 4.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic alkaline earth metal complexes formed by use of sulfonic promoters. 2,616,911, Nov. 4.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic alkaline earth metal complexes and making same. 2,616,924, Nov. 4.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic alkaline earth metal complexes formed by use of thiophosphoric promoters. 2,616,925, Nov. 4.
Asseff, Peter A., T. W. Mastin, and A. Rhodes, Cleveland, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Organic barium complexes and making same. 2,617,049, Nov. 4.
Asselin, James H., Winnetka, Ill. Rail guard. 2,597,697, May 20.
Associated Drug Industries, Inc., assignee: *See*—
Rausch, Roy R.

Associated Engineers, Inc., assignee: *See*—
Broyles, Otis T.
Associated Motorists Petrol Co. Ltd., assignee: *See*—
Todd, Bryan J., and Turner.
Associated Patentees, Inc., assignee: *See*—
Koch, Frederick.
Association of American Soap & Glycerine Producers, Inc., The, assignee: *See*—
Du Puls, Robert N., and Wright.
Wright, Howard J., and Cramer.
Astar, Laurence, Oneonta, N. Y. Nonskid device. 2,623,568, Dec. 30.
Astatic Corporation, The, assignee: *See*—
Angle, Belford C., Palo, and Kelly.
Chorpening, Creed M., and Hadlock.
Palo, Maurice, and Dworsky.
Palo, Maurice M., and Schmid.
Asten, William P., Saddle River, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Facsimile machine. 2,601,236, June 24.
Astle, Christopher A., Oklahoma City, Okla. Heater for percussion drums. 2,617,325, Nov. 11.
Astle, Percy T., Wichita, Kans. Pyramidal game piece. 2,583,805, Jan. 29.
Aston, John G., and S. V. R. Mastrangelo, State College, Pa., assignors to Phillips Petroleum Company. Fractional fusion apparatus. 2,614,909, Oct. 21.
Astra Engineering Company, assignee: *See*—
Seagren, Nils G.
Astrove, Joseph, New Rochelle, N. Y. Infant's creeper. 2,605,475, Aug. 5.
Atanasoff, John V.: *See*—
Brown, John, Snavely, and Atanasoff.
Snavely, Benjamin L., and Atanasoff.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Frost removing arrangement for refrigerator cabinets. 2,592,233, Apr. 8.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,604,761, July 29.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Flue cooling arrangement for cooling refrigeration units. 2,606,429, Aug. 12.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Snap action mechanism. 2,618,160, Nov. 18.
Ateliers de Construction Oerlikon, assignee: *See*—
Eggmann, Jean.
Vogelsanger, Ernst.
"Ateliers de Constructions Lavalette," assignee: *See*—
Schmitt, Désiré.
Ateliers Neyret-Beylier & Piccard-Pictet, assignee: *See*—
Danel, Pierre F.
Frachon, Maurice.
Ateliers Ventil, assignee: *See*—
Mondet, Paul.
Atherton, Albert H.: *See*—
Bull, Cabot S., and Atherton.
Atherton, Albert H., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Thermally adjustable electrical device enclosed within envelopes. 2,591,907, Apr. 8.
Atherton, Dolph W., Kingsley, Pa. Gravity-operated register for tilinble handles. 2,600,604, June 17.
Athey Products Corporation, assignee: *See*—
MacDonald, Raymore D.
Athletic Shoe Company, The, assignee: *See*—
Shapiro, Isadore.
Athy, Clifford R., and C. R. Konkle, assignors to International Derrick & Equipment Company, Columbus, Ohio. Sectional frame structure. 2,580,503, Jan. 1
Atkin, Rupert L.: *See*—
Whitten, Owen M., and Atkin.
Atkins, Allen L.: *See*—
Hoffmann, Elmer L., and Atkins.
Atkins, Arthur A., Coventry, assignor to Courtaulds Limited, London, England. Electric thread heater. 2,617,007, Nov. 4.
Atkins, Arthur A., Coventry, H. M. Averns, Allesley, Coventry, and A. Walker, Coventry, assignors to Courtaulds Limited, London, England. Creel. 2,615,653, Oct. 28.
Atkins, E. C., and Company, assignee: *See*—
Chapin, William R.
Gommel, Dewey E.
Atkins, Peter J., and J. B. Peel, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Making red iron oxide. 2,618,532, Nov. 18.
Atkins, S. Lawrence, assignee: *See*—
Murphy, Arthur J.
Atkins, Verna A., Anderson, Ind. Portable seat cushion. 2,600,721, June 17.
Atkinson, Dale S., Winnipeg, Manitoba, Canada. Adjustable seat for automobiles. 2,587,679, Mar. 4.
Atkinson, Darrell R., Colorado Springs, Colo. Garbage can and support therefor. 2,613,010, Oct. 7.
Atkinson, Earl B., Bay Village, Ohio. Measuring fish wire reel. 2,600,722, June 17.
Atkinson, John F., H. W. Kelley, and J. M. McCutchen, Arlington, Va. Electric power distribution system. 2,590,083, Mar. 25.
Atkinson, Joseph, London, England. Cooled bladed rotor. 2,613,058, Oct. 7.
Atkinson, Ralph G.: *See*—
Lupfer, George L., Atkinson, and Stubbs.
Atkinson, Ralph W., Westfield, and O. G. Garner, Bayonne, N. J., assignors to General Cable Corporation, New York, N. Y. Preparing electric cable for shipment. 2,616,780, Nov. 4.
Atkinson, Richard L., Padiham, England. Agricultural distributor for spreading manures, fertilizers, or the like over the ground. 2,621,934, Dec. 16.
Atkinson, William H., Jackson, Miss., assignor of one-third to L. M. Conkwright, Oklahoma City, Okla. Boring head. 2,610,529, Sept. 16.
Atlanta Paper Company, assignee: *See*—
Forrer, Homer W.
Robinson, Kenneth V.
Atlanta Textile Machinery Company, assignee: *See*—
Day, Hugh I, and I. L.
Atlantic Carton Corporation, assignee: *See*—
Whitehead, Earl B.
Atlantic and Gulf Stevedores, Inc., assignee: *See*—
McGrath, Richard J.
Atlantic Products Corporation, assignee: *See*—
Kish, Michael, Jr., McNell, and Kirby.
Atlantic Refining Company, The, assignee: *See*—
Bilhartz, Harrell L., and Dunlap.
Bilhartz, Harrell L., Greenwell, and Davis.
Brownscombe, Eugene R.
Ciapetta, Frank G., and Buck.
Clarke, Edgar W.
Davis, Louis F., Stansbury, and Crumbaker.
Goldsmith, Lester M.
Keenan, Vincent J.
Krug, Robert C.
Staggs, Horace M., and Davis.
Thompson, Kenneth M.
Webber, Jack C.
Whorton, Leonidas P., Brownscomb, and Dyes.
Woodbridge, Joseph E.
Woods, John P.
Atlas, Arthur, Leicester, England. Slip lasted shoe. 2,623,305, Dec. 30.
Atlas Bolt & Screw Company, The, assignee: *See*—
Schellentrager, Eugene W.
Atlas Floor Surfacing Machinery Corp., assignee: *See*—
Okun, Nathaniel N.
Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
Waters, Laurence W.
Waters, Lawrence W.
Atlas Manufacturing and Sales Company, The, assignee: *See*—
Jenkins, Wallace A.
Atlas Metal Works, The, assignee: *See*—
Turquette, Clyde C., Jr., and Gale.
Atlas Mineral Products Company of Pennsylvania, The, assignee: *See*—
Seymour, Raymond B., and Walker.
Walker, Willis B.
Atlas Polar Company Limited, assignee: *See*—
Becker, John E.
Atlas Powder Company, assignee: *See*—
Brandner, John D.
Brown, Kenneth R.
Buck, Frank H., Luskin, and Sanders.
Ehrlich, Samuel D.
Farr, James A.
Fine, Richard D., and Trowbridge.
Griffin, William C.
Helbig, Walter A.
Jeffery, John E.
King, George J.
Lawrence, Joseph W.
Lew, Bank W.
McFarland, David M.
Sevold, Boyd J.
Young, Aubrey A.
Atlas Press Company, assignee: *See*—
Okamuro, Asaka J.
Van Dam, Walter L.
Atlas Steels Limited, assignee: *See*—
Davis, Roy H.
Atlas Tool & Manufacturing Company, assignee: *See*—
Delf, George A., and Kortum.
Atlung, Gunnar P. B., Lyngby, Denmark. Maneuvering device for cranes and the like mechanisms. 2,603,303, July 15.
Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Aiken, William R.
Nier, Alfred O. C., Thorness, and Stevens.
Atomiko, Inc., assignee: *See*—
Monette, Gib.
Attane, Edward C., Jr.: *See*—
Doumani, Thomas F., Coe, and Attane.
Atterling, John W. L., and E. Redin, Norrkoping, and H. Ryde, Bromma, assignors to Aktiebolaget Manus, Norrkoping, Sweden. Test milking apparatus. 2,588,461, Mar. 11.

Attorney General of the United States, The, assignee: *See—*
Allec, Georges P. A.
Biginelli, Oreste F. A.
Een, Johannes B.
Garnier, Paul.
Gobin dit Daudé, Jean E. François.
Jastrzebski, Wincenty.
Knutsen, Knut A.
Sédille, Marcel H. L.

Attride, George R., Riverside, Calif. Apparatus for packaging frozen fruit juices. 2,613,488, Oct. 14.

Atwater-Strong Company, assignee: *See—*
Strong, Basil P.

Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic synthesis of hydrocarbons. 2,583,134, Jan. 22.

Atwell, Henry G., Lake Villa, Ill. Ball pitching and catching device. 2,585,989, Feb. 19.

Atwood, John D., Marion, Ill. Jet engine. 2,589,215, Mar. 18.

Atwood, John L., and K. Henrichsen, Los Angeles, Calif., assignors to North American Aviation, Inc. Airplane control. 2,620,150, Dec. 2.

Atwood, Lyle C., and H. W. Clay, assignors to Atwood Vacuum Machine Company, Rockford, Ill. Bicycle kick stand. 2,615,729, Oct. 28.

Atwood & Morrill Co., assignee: *See—*
Prescott, Norman F.

Atwood, Rawson, Garden City, and C. C. L'Allemand, Kew Gardens, assignors to G. B. Co., Brooklyn, N. Y. Spool. 2,605,980, Aug. 5.

Atwood Vacuum Machine Company, assignee: *See—*
Atwood, Lyle C., and Clay.
Johnson, Agnar.
Stone, Romaine W.

Atwood, Wilmerth R., Odessa, Tex. Well conductor perforating gun. 2,590,366, Mar. 25.

Aubert, Fred B., Detroit, Mich. Thermostatic stack switch having magnetic clutch mechanism. 2,584,079, Jan. 29.

Aubert, Fred B., Grosse Pointe, Mich. Scleroscope and clutching mechanism therefor. 2,590,486, Mar. 25.

Aubert, Fred B., Detroit, Mich. Electrical fuel burner control system and apparatus therefor. 2,593,518, Apr. 22.

Aubert, Fred B., Grosse Pointe, Mich. Electrical control system for burners and control devices therefor. 2,618,323, Nov. 18.

Aubertin, Ovila J., assignor of one-half to J. A. Sirard, Matachewan, Ontario, Canada. Holder for dispensing paper bags. 2,586,197, Feb. 19.

Aubrey, Edward J., assignee: *See—*
Wiesztort, Vincent K.

Auburn, Basil J.: *See—*
Allbert, Eugene F., and Auburn.

Auburn, Basil J., and G. P. Lessmann, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension responsive control system. 2,583,078, Jan. 22.

Auburn Spark Plug Co., Incorporated, assignee: *See—*
Battey, Alexander J.

Auch, Donald W., West Conshohocken, Pa. Device for holding ice-cream cans in position. 2,601,935, July 1.

Auchard, Dwight M., Vallejo, Calif. Stud and joist layout instrument. 2,582,405, Jan. 15.

Auckland, Chris, West Englewood, N. J. Combined handsaw and gauge. 2,602,240, July 8.

Auckley, Lee E., Milwaukee, Wis. Index tab. 2,597,426, May 20.

Auclair, Roderick T., Paradise, Mont., assignor of fifty per cent to C. Thomas, Phoenix, Ariz. Comb. 2,605,773, Aug. 5.

Audemar, Pierre, Villesnes, assignor to Société Olaer Marine, Paris, France. Piston for fluid pressure cylinders. 2,623,501, Dec. 30.

Audemar, Pierre G. J. M., La Garenne-Colombes, assignor to Olaer Marine, Paris, France. Hydraulic transmission for reproducing mechanical motions at remote points. 2,597,050, May 20.

Audemar, Pierre G. J. M., La Garenne-Colombes, assignor to Olaer-Marine, Paris, France. Transmitter control device. 2,605,711, Aug. 5.

Audemar, Pierre G. J. M., La Garenne-Colombes, and P. L. J. Gerard, assignors to Olaer-Marine, Paris, France. Hydraulic transmission system for reproducing rotary movements at a distance. 2,584,659, Feb. 5.

Audette, Christopher H., Minneapolis, Minn. Alloying copper and iron. 2,613,148, Oct. 7.

Audette, Christopher H., Minneapolis, Minn. Alloying high carbon steel and copper. 2,622,978, Dec. 23.

Audience Computing System, Inc., assignee: *See—*
Polin, Herbert S.

Audler, Mark, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic timer. 2,602,888, July 8.

Audler, Mark, Milwaukee, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Counting and grouping device. 2,617,593, Nov. 11.

Audio Devices, Inc., assignee: *See—*
Sutheim, George M.

Aue, Georg, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Rotor for turbomachines. 2,602,683, July 8.

Aue, Georg, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Centrifugal compressor. 2,609,141, Sept. 2.

Auer, Bessie J., Ossining, N. Y. Crib sheet with a pajama back. 2,589,596, Mar. 18.

Auer, Edmund: *See—*
Fonken, William A., and Auer.

Auer, Edward E.: *See—*
Barton, Bernard C., and Auer.

Auer, Gaylord R., assignee: *See—*
Frisch, Benjamin N.

Auer, George A., assignor to Roberts and Schaefer Company, Chicago, Ill. Oscillating feeder. 2,620,946, Dec. 9.

Auer, John, East Norwalk, Conn. Temporary button fastener. 2,597,051, May 20.

Auer, Laszlo, South Orange, N. J. Modified short oil alkyd resins. 2,589,657, Mar. 18.

Auer, Louis J., Berkley, Mich. Forming tool. 2,584,321, Feb. 5.

Auer, William F., Cicero, assignor to R. T. Moloney, Chicago, Ill. Snap action switch. 2,603,727, July 15.

Auerbach, Phillip R., Bronx, N. Y. Toolholder. 2,607,254, Aug. 19.

Auerbach, Zemach, Bronx, N. Y. Blade dispenser. 2,600,830, June 17.

Augenblick, Albert, West Philadelphia, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Solubilizing coal tar solution. 2,622,057, Dec. 16.

Augereau, Gaston, Paris, assignor to "Le Joint Francais," Bezons, France. Bearing seal. 2,598,094, May 27.

Augereau, Gaston G. E., Paris, France. Bush for bearings. 2,587,088, Feb. 26.

Augereau, Gaston G. E., Paris, France. Oil-lubricated bearing block. 2,621,987, Dec. 16.

Aughtie, Frank, Teddington, England. Electrical computing device. 2,622,798, Dec. 23.

August, Paul, Hannover, Germany. Mixing machine. 2,608,395, Aug. 26.

August, William, New York, N. Y., assignor to Ben Lee Products, Inc. Combination heater and vibrator. 2,582,617, Jan. 15.

Augustin-Normand, Augustin, Le Havre, assignor to Société Anonyme des Anciens Etablissements Charles Berthiez, Paris, France. Toolhead. 2,618,204, Nov. 18.

Aukerman, Nathaniel B., deceased, Wilmington, Del.; S. A. Ingram, executrix. Metal recovery apparatus. 2,619,456, Nov. 25.

Aukers, Albert J. and R. A. Church, assignors to Victor Manufacturing & Gasket Co., Chicago, Ill. Gasket clip. 2,593,648, Apr. 22.

Auld, D. L., Company, The, assignee: *See—*
Hyatt, Samuel W.

Aulen, Walter E., Newark, Del., assignor to Eddystone Machinery Company, Chester, Pa. Web winder. 2,619,298, Nov. 25.

Aulin, Tage G., Trollhattan, assignor to J. P. Brandt Aktiebolag, Stockholm, Sweden. Cutting apparatus for lenses, especially spectacle-glasses. 2,604,697, July 29.

Aull, Lois H. W., assignee: *See—*
Ames, Robert G.

Ault, Hyman J., Pasadena, Calif. Drapery cornice dust board mounting. 2,602,499, July 8.

Ault, Waldo C., Philadelphia, G. C. Nutting, Abington, and J. K. Weil, Lansdale, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of polyhydroxy-benzoic acids and their preparation. 2,595,221, May 6.

Aurbach, Kurt, assignor to Anker-Werke, A. G., Bielefeld, Germany. Lockable machine key for business machines. 2,620,972, Dec. 9.

Auret, Norman H.: *See—*
Bradford, George, Mulock-Bentley, and Auret.

Ausherman, William S., Wichita, Kans. Repair unit for broken vehicle axles. 2,582,307, Jan. 15.

Auspos, Lawrence A.: *See—*
Izard, Emmette F., and Auspos.

Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Voltage regulator for battery-charging system. 2,593,241, Apr. 15.

Austenal Laboratories, Incorporated, assignee: *See—*
Folsom, Ralph L.

Austen-Walton, John L., Worthing, assignor of one-half to T. H. L. Adney, West Worthing, England. Mounting device. 2,598,206, May 27.

Austerweil, Géza, Paris, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Manufacturing organic acids, esters and alcohols. 2,604,482, July 22.

Austin, Bascum O.: *See—*
Miner, John D., Jr., Austin, and Jessee.

Austin Company, The, assignee: *See—*
Gannett, Joseph K., and Saveland.

Austin, Donald D., Sr., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. 2,617,331, Nov. 11.

Austin, Dwight E., Kent, Ohio. Folding seat. 2,620,020, Dec. 2.

Austin, Franklin L., Peoria, Ill., and H. B. Hastie, assignors to Eaton Laboratories, Inc., Norwich, N. Y. 5-nitro-2-furfurylidene acetone semicarbazone. 2,599,509, June 3.

Austin, George C., Los Angeles, Calif. Toolholder. 2,591,115, Apr. 1.

Austin, James L., assignee: *See—*
Card, Kenneth F.

Austin, Lucien C., Newton, N. J. Screened positive for use in preparation of intaglio printing plates and making said positive. 2,596,115, May 13.

Austin, Merritt B., Jr., Deerfield, Ill. Roller guide for hose and the like. 2,618,465, Nov. 18.

Austin Motor Company, Limited, The, assignee: *See—*
Avery, Raymond W., and Dangerfield.
Bishop, John L. H.
Lindsay, Frank E.
Lord, Leonard P.
Stanfield, James R.
Stanfield, James R., and Hughes.
Weaving, John H.

Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Isopropenyl fluoride polymers. 2,585,529, Feb. 12.

Austin, Robert R., Pasadena, Calif. Resin impregnating wood. 2,591,768, Apr. 8.

Austin, Russell A., Alliance, assignor to Adamson United Company, Akron, Ohio. Roll end guide. 2,599,218, June 3.

Austin, Samuel, Hartford, Conn. Paintbrush attachment. 2,610,731, Sept. 16.

Austin, Sumter M., assignee: *See—*
Tucker, William C.

Austin, William M., Needham, Mass. Gun sight. 2,613,442, Oct. 14.

Austin, William W., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Heat exchanger made from punched plates. 2,595,440, May 6.

Austlid, Arnljot, Oslo, Norway. Sewing machine motor. 2,581,620, Jan. 8.

Australian Iron & Steel Limited, assignee: *See—*
Escher, Hans.

Auten, Robert W.: *See—*
Hurwitz, Melvin D., and Auten.
Robinson, Margaret L., and Auten.
Yost, Robert S., and Auten.

Auten, Robert W., Jenkintown, and V. C. Meunier, Flourtown, assignors to Rohm & Haas Company, Philadelphia, Pa. Urea resins containing dimethylamino substituents. 2,605,253, July 29.

Authier, John, Biere, Switzerland. Ski. 2,605,111, July 29.

Authorite Company, assignee: *See—*
Osgood, Walter P.

Autocall Company, The, assignee: *See—*
Seaton, Harold E.

Autoclave Engineers, assignee: *See—*
Davidson, Allen R.

Auto-Diesel Piston Ring Company, The, assignee: *See—*
Heinrich, August H.
Smith, Rolland D., and Turner.

Autogas Company, assignee: *See—*
Landgraf, Theodore H., and Furlong.

Autogiro Company of America, assignee: *See—*
Campbell, Harris S.
Pitcairn, Harold F.
Pullin, Cyril G., and Shapiro.
Pullin, Cyril G., and Watson.
Stanley, Paul H.

Auto-Go, Incorporated, assignee: *See—*
Lindenmuth, Henry W.

Autographic Register Company, assignee: *See—*
Brenn, Carl W.
Lusthader, Melvin H.

Auto Lamp Manufacturing Co., assignee: *See—*
Dibelka, Henry G.

Auto-Lite Battery Corporation, assignee: *See—*
Wilson, Harland D., and Popper.
Wilson, Harland D., and Quick.

Automatic Buff Company, assignee: *See—*
Sax, Ben P.

Automatic Canteen Company of America, assignee: *See—*
Thompson, Ernest H.

Automatic Draft & Stove Co., assignee: *See—*
Harding, George W.

Automatic Electric Laboratories, Inc., assignee: *See—*
Baker, George T.
Bakker, Pier.
Balzer, Harvey W.
Balzer, Harvey W., and Ostline.
Bartelink, Everhard H. B.
Bartelink, Everhard H. B., and Daskam.
Bartha, Stephan J.
Beale, Charles E.
Burgener, Karl L.
Glenger, Fred.
Grandstaff, Otho D.
Graybill, Kenneth W., and Sengebusch.
Hadfield, Bertram M.
Herrick, Roswell H.
Jones, Roy W.
Kessler, Frank.
Lomax, Clarence E.
Lomax, Clarence E., and Wild.
McCarthy, Thomas F.
McCreary, Harold J.
Mitchell, Len B.
Molnar, Imre.
Mullerheim, Kurt.
Ostline, John E.
Peterson, Edward S.
Riebe, Theodore C.
Ross, Edmund H.
Sengebusch, Hans.
Stehlik, Rudolph F.
Swartz, Edward L.
Voss, John H., and Jones.
Walsh, Thomas G.
Wicks, John.
Wood, Fredric E., and Sargisson.

Automatic Equipment Manufacturing Company, assignee: *See—*
McIntosh, Harold J.

Automatic Poultry Feeder Company, assignee: *See—*
Smallegan, Marvin L.

Automatic Pump & Softener Corporation, assignee: *See—*
Johnson, Oscar W.
Whitlock, Fred W.

Automatic Sewing Equipment Co., Inc., assignee: *See—*
Schwartz, Leo.

"Automatic" Sprinkler Corporation of America, assignee: *See—*
Rider, Harry N.

Automatic Telephone & Electric Company Limited, assignee: *See—*
Baker, George T.
Cannon, James R.
Gordon-Wright, John G.
Myles, Herbert N.
Pearce, Owen A., and Taylor.
Range, Alan L., and Thorpe.
Roseby, Phillip N.
Taylor, Reginald.

Automatic Temperature Control Co., Inc., assignee: *See—*
Macgeorge, William D.
Macgeorge, William D., and Roessler.

Automatic Totalisators Limited, assignee: *See—*
Both, Edward T.
Julius, Awdry F.
Julius, Awdry F. and G. A.

Automatic Valve, Inc., assignee: *See—*
Gardner, Lawrence H.

Automatic Washer Company, assignee: *See—*
Breckenridge, Frank.

Automotive Products Company Limited, assignee: *See—*
Clench, Edward C. S.

Autophon Aktiengesellschaft, assignee: *See—*
Kappeler, Hans.

Autopoint Company, assignee: *See—*
Krause, Richard S., and Seibert.
Woods, Fred D.

Auto-Soler Company, The, assignee: *See—*
Wright, John G., Chafin, Sudan, Watkins, and Hanson.

Auto Specialties Manufacturing Company, assignee: *See—*
Mueller, Joseph J.

Auto Tyre Services Limited, assignee: *See—*
Kent, Jan H. F.

Autoyre Company, Incorporated, The, assignee: *See—*
Bunnell, Earl C.
Sanford, Roy S.
Simpson, Paul F.

Autoyre Company, Inc., The, assignee: *See—*
Sanford, Roy S., and Simpson.

Autry, Eugene, Brooklyn, N. Y. Dust mop cleaner. 2,581,346, Jan. 8.

Auzière, Albert, Marseille, France. Device permitting the introduction of advertising matter in a piece of transparent soap. 2,611,942, Sept. 30.

Avakian, Emik A., Yonkers, N. Y. Stored function calculator. 2,610,791, Sept. 16.

Avakian, Souren, Oreland, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. 2-amino-4-hydroxy-7-pteridyl derivatives. 2,620,340, Dec. 2.

Avant, Bonnie J.: *See—*
Snyder, James E., and Avant.

Avary, Hugh, San Diego, Calif. Vertical opening Gothic arch tracing device. 2,612,688, Oct. 7.

Avco Manufacturing Corporation, assignee: *See—*
Ackerman, Carl L.
Bussard, Emmery J. H.
Briggs, Arthur T.
Buchy, Louis G., and Connersville.
Chamberlin, John W.
Cochran, John E.
Constantine, Arthur R.
Crawford, William R.
Cunningham, Robert A.
Davis, Dwillard J.
Depweg, Leonard S.
Givenrod, Wilburn H.
Reid, John D.
Reiter, Alexander L., and Haverstock.
Rickenbach, August W.
Septer, Leslie E., and Myers.
Stelzer, Alphonse C.
Thomas, Benjamin D.
Vutz, Wilhelm.
Wissel, Francis A.

Avena, Samuel: *See—*
Schultz, Carl, and Avena.

Avenia, Thomas, New York, N. Y. Vehicle for juveniles. 2,620,197, Dec. 2.

Averill, Charles C., assignor to Union Steel Products Company, Albion, Mich. Collapsible basket. 2,585,422, Feb. 12.

Averill, John R., Webster Groves, Mo. Collapsible wall type expansion engine. 2,581,830, Jan. 8.

Averill, Seward J., Boston, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilization of vinylidene cyanide polymer solutions. 2,614,090, Oct. 14.

Averill, Seward J., Boston, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with halogenated butadiene-1,3 hydrocarbons. 2,615,872, Oct. 28.

Averill, Seward J., Boston, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with allphatic conjugated diolefins. 2,615,873, Oct. 28.

Averns, Harry M.: *See*—
Atkins, Arthur A., Averns and Walker.

Averns, Harry M., Allesley, Coventry, and J. Straw, Longford, Coventry, assignors to Courtaulds Limited, London, England. Production of threads of thermoplastic cellulose derivatives. 2,584,779, Feb. 5.

Aversten, Karl J., assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Electric connection and producing the same. 2,604,570, July 22.

Avery, Benjamin B., Tucson, Ariz. Miter guide for power saws. 2,595,322, May 6.

Avery, Fred J., La Grange, assignor to Materials Transportation Company, Chicago, Ill. Multiple level dump structure. 2,581,067, Jan. 1.

Avery, Fred J., La Grange, Ill. Apparatus for treating meat and the like. 2,587,024, Feb. 26.

Avery, Harold T., Oakland, Calif. Producing thrust. 2,595,504, May 6.

Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Partial product multiplying machine. 2,598,095, May 27.

Avery, Harold T., Onkland, Calif. Blade tracking mechanism for lifting rotors. 2,620,888, Dec. 9.

Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,622,805, Dec. 23.

Avery, Henry A., and J. P. Barkdoll, Groton, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Line spacing mechanism for typing machines. 2,599,535, June 10.

Avery, Julian M., Greenwich, Conn. Blast furnace. 2,606,672, Aug. 12.

Avery, Ray S.: *See*—
Thiene, Carl G., and Avery.

Avery, Raymond W., Kings Norton, and K. J. Dangerfield, Selly Oak, Birmingham, assignors to The Austin Motor Company Limited, Birmingham, England. Heat exchanger. 2,614,198, Oct. 14.

Avery, Roger E.: *See*—
Schmitt, Otto H., Fromm, Falls, Barnes, and Avery.

Avery, Steven B., East Orange, N. J. Cementitions coatings or paints and making. 2,583,985, Jan. 29.

Avery, William H., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Rocket loading arrangement. 2,603,061, July 15.

Avey Drilling Machine Company, The, assignee: *See*—
Shriver, John E.

Aviation Developments Limited, assignee: *See*—
Aberne-Heron, John.
Springate, Maurice S.

Aviation Works, National Corporation, assignee: *See*—
Siechta, Jaroslav.

Avila, Abelardo G., York, Pa., assignor to Read Standard Corporation, Liquid conditioning system. 2,589,186, Mar. 11.

Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Torsion-type axle suspension for tandem axle vehicles. 2,613,954, Oct. 14.

Avins, Jack, Staten Island, N. Y., assignor to Radio Corporation of America. Angle modulated carrier wave receiver. 2,595,441, May 6.

Avins, Jack, Staten Island, N. Y., assignor to Radio Corporation of America. Keyed automatic gain control. 2,609,443, Sept. 2.

Avondale Mills, assignee: *See*—
Pope, Richard R.

Awningtite Window Manufacturers, Inc., assignee: *See*—
McMurray, Edward.

Axberg, Gunnar F., Enskede, assignor to Lumalampan Aktieholag, Stockholm, Sweden. Lamp holder for tubular electric lamps with axially projecting contacts. 2,623,088, Dec. 23.

Axe, Daniel E., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sliding sash lock. 2,586,500, Feb. 19.

Axe, William N., and A. N. De Vault, Bartlesville, Okla., assignors to Phillips Petroleum Company. Propane fractionation of lubricating oil stocks. 2,623,005, Dec. 23.

Axel, Benjamin, Roslyn Heights, assignor to Tru-Fit Company, New York, N. Y. Self-adjusting finger ring. 2,615,314, Oct. 28.

Axelrad, Victor: *See*—
Snel, Charles A., and Axelrad.

Axelrod, Albert, Bronx, N. Y., S. K. Lackoff, East Paterson, and T. J. McLaughlin, New Milford, N. J., assignors to Loral Electronics Corporation. Automatic calibration of instruments. 2,606,956, Aug. 12.

Axelson, Eskil A. A., Stockholm, Sweden. Pipe or hose conduit with heating means. 2,583,761, Jan. 29.

Axelson, Eskil A. A., and C. A. Löfgren, assignors to Svenska Maskinaktiebolaget Greiff, Stockholm, Sweden. Paint pressure box with heat exchanger. Re. 23,551, Sept. 30.

Axelsson, Karl N., and C. H. Björn, Djursholm, Sweden. Apparatus for examining teeth. 2,603,753, July 15.

Axelstrom, Raymond E., Chicago, Ill. Well rod grab. 2,590,487, Mar. 25.

Axsäter, Sven G.: *See*—
Angerby, Erik A., Axsäter, and Blom.

Axtell, Delbert O., West Palm Bench, Fla. Louver construction. 2,614,301, Oct. 21.

Axler, Meyer H., U. S. Army, Bronx, N. Y. Directional gyroscope. 2,590,837, Apr. 1.

Axton, Benjamin J., Jr., Holyoke, assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., Grip structure. 2,583,198, Jan. 22.

Axworthy, Charles G., Pawtucket, R. I., assignor to Union Wadding Company. Hand-operated web cutting apparatus. 2,599,601, June 10.

Ayars, Ernest J.: *See*—
Davis, George F., and Ayars.

Ayars, Harry D., Salem, N. J. Filler valve and actuating mechanism therefor. 2,592,846, Apr. 15.

Aycock, Christopher G.: *See*—
Rand, Cecil H., and Aycock.

Ayers, Arnold L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Refining glyceride oil in a liquid paraffinic solvent with a concentrated alcoholic alkali metal hydroxide solution. 2,614,111, Oct. 14.

Ayers, Arnold L., and C. R. Scott, Bartlesville, Okla., assignors to Phillips Petroleum Company. Winterized vegetable oil and producing the same. 2,607,695, Aug. 19.

Ayers, Charles L., Puyallup, and W. M. Murray, Bellingham, Wash. Domestic electric furnace. 2,600,044, June 10.

Ayers, Ernest I. and H. M., Martinsville, Ind. Cable outside insulation stripper. 2,589,471, Mar. 18.

Ayers, George W., Chicago, M. J. Geerts, Evanston, and W. A. Krewer, Skokie, assignors to The Pure Oil Company, Chicago, Ill. Removal of hydrogen sulfide and mercaptans from gases or liquids such as petroleum or petroleum fractions. 2,592,523, Apr. 15.

Ayers, George W., Chicago, M. J. Geerts, Evanston, and R. E. Chandler, Algonquin, assignors to The Pure Oil Company, Chicago, Ill. Preventing the development of sourness in certain petroleum liquids during distillation. 2,597,427, May 20.

Ayers, George W., Chicago, E. E. Ilarton, Evanston, and L. R. Mazurk, assignors to The Pure Oil Company, Chicago, Ill. Inhibiting corrosion of steel by alkali solutions. 2,617,713, Nov. 11.

Ayers, Harley M.: *See*—
Ayers, Ernest I. and H. M.

Ayers, Harry L.: *See*—
Thomas, Elmer R., and Ayers.

Ayers, Howard C., La Verne, Calif. Cigarette extinguisher. 2,619,092, Nov. 25.

Ayers, John R., Nahant, Mass. Readily releasable sloop retainer. 2,582,093, Jan. 8.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Phonograph record composition comprising vinyl resin and butadiene-acrylonitrile copolymer. 2,582,740, Jan. 15.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Phonograph record molding compositions and records. 2,582,741, Jan. 15.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Phonograph records and molding compositions. 2,616,862, Nov. 4.

Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Ligno-cellulose aggregate and blast cleaning process employing the same. 2,622,047, Dec. 16.

Ayers, William P., Lombard, Ill. Pressure-relief door for heating units. 2,623,482, Dec. 30.

Ayerst, McKenna & Harrison, Limited, assignee: *See*—
Beall, Desmond, and Grant.
Gaudry, Roger.
Grant, Gordon A., and Glen.
Grant, Gordon A., and von Seemann.
McKay, Arthur F., and Grant.
Spears, Ralph A.
Stevenson, William G., and MacKinnon.

Aylor, Elmo E., assignor to Admiral Corporation, Chicago, Ill. Blind fastener. 2,612,927, Oct. 7.

Ayres, Donald F., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 2,587,680, Mar. 4.

Ayres, Russell W., assignor to Seeger Refrigerator Company, St. Paul Minn. Two-temperature refrigerator construction. 2,606,424, Aug. 12.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Apparatus for producing stereoscopic pictures. 2,587,585, Mar. 4.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Aircraft apparatus for simulating a line of sight-defining structure. 2,589,216, Mar. 18.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Laminating photographic color film to glass. 2,591,665, Apr. 8.

Ayres, William R., Oaklyn, and H. J. Woll, Audubon, N. J., assignors to Radio Corporation of America. Regulated power supply. 2,612,632, Sept. 30.

Ayrton, Wm., & Co. Limited, assignee: *See*—
Osborne, Frank.

Azano, Anthony, New Haven, Conn. Protective signal device for automobiles. 2,613,258, Oct. 7.

Azola, Joseph R., Detroit, Mich., and J. D. Lucius, Springfield, Mass., E. H. Tate, Dayton, Ohio, and C. M. Lyon, Lindenhurst, N. Y. Automatic spark advance indicator. 2,608,603, Aug. 26.

Azorlosa, Julian L., assignor to Hercules Powder Company, Wilmington, Del. Synthetic amphoteric polymers containing free amino groups and free acid groups. 2,592,107, Apr. 8.

Azorlosa, Julian L., assignor to Hercules Powder Company, Wilmington, Del. Paper coating. 2,616,818, Nov. 4.

B. B. Chemical Co., assignee: *See*—
Griswold, Stanley M.
Hall, Alan M.
Perkins, John L., and Sylvester.
Seymour, Malcolm.

B. B. Sales Company, assignee: *See*—
Pierce, Winslow S., Jr., and Stearns.

BLC Inc., assignee: *See*—
Goldman, Sydney B., and Krueger.

B & L Tool & Machine Company, assignee: *See*—
Herarducci, Peter P. and A. L.

B-M-B Company, Inc., assignee: *See*—
Bausch, Evan J., and Mulanx.

B & R Manufacturing Company, The, assignee: *See*—
Bevington, Julius J.

B. V. C. Electronics Developments Limited, assignee: *See*—
Briggs, George.

Baade, Henry: *See*—
Quartullo, Orpheus F., and Baade.

Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control aparatus. 2,585,295, Feb. 12.

Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,589,597, Mar. 18.

Baar, Karl, Janesville, Wis. Paper roll holder. 2,586,501, Feb. 19.

Baartman, Johan L.: *See*—
Van Heeckeren, Willem J., Vermeer and Baartman.

Baash-Ross Tool Company, assignee: *See*—
Bronzan, Blasito.

Babaud, Jean, assignor to Etablissements Charles Beaudouin, Paris, France. Movable magnet oscillograph. 2,609,410, Sept. 2.

Babayan, Vigen K., West Englewood, N. J. Refuse palm oil refining. 2,587,954, Mar. 4.

Babb, Alfred T. S., Wembley, assignor to J. Lyons and Company Limited, London, England. Testing instrument. 2,613,249, Oct. 7.

Babb, Howard R., Jr.: *See*—
Roop, Nathan W., and Babb.

Babb, John J., Calgary, Alberta, Canada, and N. J. Smith, New Orleans, La.; said Babb assignor to Texas Instruments Incorporated, and said Smith assignor to The California Company, New Orleans, La. Apparatus for marine seismic prospecting. Re. 23,552, Sept. 30.

Babbitt, Charles A., South Gate, assignor to Cal-Metal Corporation, Torrance, Calif. Pipe welding machine. 2,613,303, Oct. 7.

Babcock, Eugene W., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bending mold locating device. 2,608,799, Sept. 2.

Babcock, Glen E., V. L. Johnsen, and A. K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Fiberboard construction. 2,580,391, Jan. 1.

Babcock, Lloyd L., Torrance, and M. L. Thorpe, Lomita, Calif. Overhead trolley wire mounting. 2,599,150, June 3.

Babcock, Paul R., Oakland, Calif. Flow distribution apparatus. 2,619,892, Dec. 2.

Babcock, William S., Jr., Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Switching key. 2,604,553, July 22.

Babcock & Wilcox Company, The, assignee: *See*—
Bailey, Ervin G.
Boyer, Raymond J.
Brister, Paul M.
Carpenter, Otis R.
Carpenter, Otis R., and Armstrong.
Carpenter, Otis R., Armstrong, and Rasmusen.
Cowan, Harry.
Davy, Christopher H., and Webb.
Dickey, Paul S.
Elrod, Harold G., Jr.
Evans, Richard H., and Purple.
Fletcher, James.
Fletcher, James, Miller, and Selnick.
Gay, Cecil H.
Grossman, Paul R.
Hardgrove, Ralph M.
Harter, Isaac.
Harter, Isaac, Jr.
Harter, Isaac, Isaac, Jr., and Carpenter.
Harvey, James L.
Huston, Ralph C.
Kerr, Howard J., Fletcher, Koolstra, and Watts.
Langvand, Ivar L.
Leach, Lester L.
Marquez, Charles L., Jr.
McDonald, Bertrand N.
Miller, William A., and Ratcliffe.
Neale, Oliver A.
Norton, Charles L., Jr.
Ratcliffe, Temple W., and Evans.
Rowand, Will H., and Smith.
Schoessow, Glen J.
Shellenberger, Rolfe, and Poole.
Singleton, John C., Jr.
Sprague, Theodore S., and McDonald.
Taylor, George A.
Wilcoxson, Leslie S.
Woolley, Charles H.

Babcock & Wilcox Tube Company, The, assignee: *See*—
Harter, Isaac, Jr., and Pugh.

Baber, William W., Albermarle County, Va. Radiator. 2,580,715, Jan. 1.

Babicz, George, Chicago, Ill. Protecting system for photoelectric cells in liquid fuel burner controls. 2,592,847, Apr. 15.

Babicz, George, Chicago, Ill. Auxiliary conveyer for correcting feed of paper. 2,604,322, July 22.

Babin, Luke B., White Castle, La. Cable operated sideline ditching machine of the boom type. 2,609,621, Sept. 9.

Babington, Roy D.: *See*—
Torregrossa, Robert E., and Babington.

Babish, Richard C.: *See*—
Waller, Fred, and Babish.

Babitch, David I., Detroit, Mich. Windshield wiper motor. 2,622,399, Dec. 23.

Bablon, Olive G., New York, N. Y. Combined eyelash brush and comb holder. 2,611,375, Sept. 23.

Babros, Joseph H., and J. Komada, Los Angeles, Calif. Fireplace screen. 2,601,489, June 24.

Babson Bros. Co., assignee: *See*—
Babson, Henry B.
Crawford, Thomas B.
Merritt, Thomas W., and Thomas.
Schilling, Lorell J.
Stampen, Jacob J.
Thomas, Chester A.

Babson, Edmund C., Whittier, R. R. Ormsby, Hermosa Beach, and M. C. Turner, La Habra, assignors to Union Oil Company of California, Los Angeles, Calif. Flowmeter. 2,607,221, Aug. 19.

Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Support for milking apparatus. 2,613,636, Oct. 14.

Baca, Faustine G.: *See*—
Baca, Placido G. and F. G.

Baca, Placido G. and F. G., Los Angeles, Calif. Precision stress breaker for removable partial restorations. 2,611,957, Sept. 30.

Bacca, Charles R., Newtown, Ohio. Electric control for trailer brakes. 2,615,103, Oct. 21.

Bach, Arthur J., Lumby, British Columbia, Canada. Portable sawmill with carriage traveling over husk. 2,612,913, Oct. 7.

Bach, Gerda F., administratrix: *See*—
Bach, Niels P.

Bach, John W.: *See*—
Rouan, Francis J., and Bach.

Bach, Loyal M., Pacific Palisades, Calif. Fulcrum type cap lifter. 2,621,550, Dec. 16.

Bach, Niels P., deceased, Clearwater, Fla.; G. F. Bach, executrix of said Niels P. Bach. Mushroom decapping, trimming, and cutting machine. 2,617,461, Nov. 11.

Bach, W. D., assignee: *See*—
Johnson, Marvin B.

Bachand, Armand A., Worcester, Mass. Auxiliary automobile seat for children. 2,585,721, Feb. 12.

Bacharach Industrial Instrument Company, assignee: *See*—
Stein, Joseph A., and Wagner.

Bache, John K., assignor to George Salter & Co. Limited, West Bromwich, England. Weighing machine. 2,593,086, Apr. 15.

Bachelet, Albert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Checking means for pulse counting circuit. 2,597,428, May 20.

Bachelet, Albert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,609,455, Sept. 2.

Bachelet, Albert E., New York, N. Y., and F. K. Low, Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse counting and registration system. 2,609,498, Sept. 2.

Bacher, Jean: *See*—
Spinnler, Wilhelm, and Bacher.

Bachta, Richard A., Bay Shore, and A. R. Hamilton, Larchmont, New York. Cap for nipples. 2,607,345, Aug. 19.

Bachle, Carl F., Grosse Pointe, assignor to Continental Motors Corporation, Muskegon, Mich. Engine cooling system. 2,581,996, Jan. 8.

Bachle, Carl F., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Coaxial combustion products generator, turbine, and compressor. 2,595,505, May 6.

Bachle, Carl F., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Turbine wheel and cooling same. 2,604,298, July 22.

Bachli, Herman, and H. S. Shapiro, assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill. Tube cutter. 2,582,406, Jan. 15.

Bachli, Herman, and H. S. Shapiro, assignors to Chicago Specialty Mfg Co. Inc., Chicago, Ill. Flush tank valve operating mechanism. 2,588,072, Mar. 4.

Bachman, Albert W., Parma, Ohio. Barrow attachment for lawn mowers. 2,589,325, Mar. 18.

Bachman Bros., Inc., assignee: *See*—
Van Sciver, Earl T.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Brake head mounting. 2,590,062, Mar. 18.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Rotor. 2,621,762, Dec. 16.

Bachman, Gustave B., West Lafayette, Ind., and L. L. Lewis, Sanborn, N. Y., assignors to The Purdue Research Foundation, West Lafayette, Ind. Halogenated trifluoromethylstyrene materials and making same. 2,580,504, Jan. 1.

Bachman, Gustave B., West Lafayette, Ind., and J. V. Hewett, Columbia, S. C., assignors to Purdue Research Foundation, La Fayette, Ind. Nitration of aliphatic hydrocarbons. 2,597,698, May 20.

Bachmann Bros. Inc., assignee: *See*—
McNeill, Albert G.

Bachmann Uxbridge Worsted Co., Inc., assignee: *See*—
Andrews, John R., Jr.

Bachmann Uxbridge Worsted Corporation, assignee: *See*—
Rose, Paul R.

Back, Alexander E.: *See*—
Wyman, Wallace F., and Back.

Back, Frank G., Glen Cove, N. Y. Optical focusing and illuminating device for photographic cameras and the like. 2,590,916, Apr. 1.

Back, Frank G., New York, N. Y. Optical system and illuminated reticle for reflex cameras. 2,595,750, May 6.

Back, Frank G., New York, N. Y. Catadioptric telephoto system. 2,610,547, Sept. 16.

Back, Frank G., New York, and H. Lowen, Forest Hills, N. Y. Wide angle lens construction. 2,590,917, Apr. 1.

Back, Laurel M., Oakland, Calif. Pivoted hand tool for removing dents in sheet metal. 2,600,723, June 17.

Backe, John C., Gaylord, Mich. Ventilation control means for vehicles. 2,604,837, July 29.

Backensto, Elwood B., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Desulfurizing agent and its preparation. 2,589,187, Mar. 11.

Backer, Christian B., Ottawa, Ontario, Canada. Multiple coil tubular heating element. 2,600,605, June 17.

Backer, George, New York, N. Y. Woven fabric. 2,585,212, Feb. 12.

Backer, Joachim, Whitchurch, Wales, assignor to Aero Zipp Fasteners Limited, London, England. Slider for slide fasteners. 2,599,536, June 10.

Backer, Stanley, Primos, Pa. Tension adjustment for folding canvas cots. 2,611,906, Sept. 30.

Backer, Theodore, assignee: *See*—
Wales, Nathaniel B., Jr.

Backhouse, Headley T., Sunningdale, England. Sheet separating and forwarding machine. 2,591,116, Apr. 1.

Backhouse, Headley T., Sunningdale, England. Sheet registering means for printing machines and the like. 2,605,103, July 29.

Backhouse, Headley T., Sunningdale, England. Sheet registering apparatus. 2,613,930, Oct. 14.

Backhouse, Headley T., Sunningdale, England. Sheet separating machine. 2,615,713, Oct. 28.

Backhouse, Headly T., Wentworth, England. Mechanism for registering sheets. 2,599,602, June 10.

Backhouse, Leonard S., assignor to C. A. Parsons & Company Limited, Newcastle-upon-Tyne, England. Double-beam optical system applicable to spectrometers and other instruments. 2,604,810, July 29.

Backlin, Clarence R.: *See*—
Hirsch, George A., and Backlin.

Backlin, Clarence R., Floral Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Lock stitch sewing machine. 2,583,538, Jan. 29.

Backlund, Peter S., Long Beach, and P. L. Polizzotto, Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Refining of wax. 2,586,198, Feb. 19.

Backman, Frances G., Newton, Mass. Article for protecting clothing. 2,617,105, Nov. 11.

Backman, John W., Los Angeles, Calif., assignor to Southern California Glass Co., Inc. Adjustable door jamb. 2,595,506, May 6.

Backman, John W., Los Angeles, Calif., assignor to Southern California Glass Co., Inc. Door. 2,605,869, Aug. 5.

Backmark, Nils E. G., Hammarbyhojden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electron tube device. 2,591,997, Apr. 8.

Backofen, E. Ryan, Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Material handling device. 2,611,497, Sept. 23.

Backofen, E. Ryan, and E. J. Dunham, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Industrial truck attachment. 2,609,114, Sept. 2.

Backstay Welt Company, assignee: *See*—
Barr, Glen G.

Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration apparatus and heating arrangement therefor. 2,581,347, Jan. 8.

Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Multiple temperature refrigeration system. 2,585,908, Feb. 19.

Bäckström, Sigurd M., assignor, by mesne assignments, to Aktiebolaget Elektrolux, Stockholm, Sweden. Condenser structure for absorption refrigeration apparatus. 2,619,809, Dec. 2.

Backteman, Per Arne: *See*—
Grubb, Gunnar A., and Backteman.

Backus, Alfred S.: *See*—
Kiebert, Martin V., Jr., and Backus.

Backus, Anton R., Santa Barbara, Calif. Handle for vessels. 2,586,199, Feb. 19.

Backus, Cecil F., Wilmington, Del. Shoe sole composition. 2,600,461, June 17.

Backus, Charles M., Burbank, Calif. Fuel burning air and liquid heater. 2,616,412, Nov. 4.

Backus, Charles M., Los Angeles, Calif. Temperature regulating apparatus for internal-combustion engines. 2,617,399, Nov. 11.

Backus, Harrison S., assignor to G. D. Searle & Co., Skokie, Ill. Nasal atomizer. 2,586,502, Feb. 19.

Backus, John G., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion producing mechanism. 2,600,151, June 10.

Bacon, Conrad G., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Diffusion measuring meter. 2,613,531, Oct. 14.

Bacon, Conrad G., Philadelphia, Pa., and P. C. Gardiner, Scotia, N. Y., assignors to General Electric Company. Concentric tester. 2,604,512, July 22.

Bacon, Elbridge F., C. S. Comey, and M. F. Saxton, Flint, Mich.; said Bacon assignor to said Comey and said Saxton. Recessed door pull. 2,603,821, July 22.

Bacon, Ernest, Marmarth, N. Dak. Vehicle actuated stock guard and gate. 2,622,354, Dec. 23.

Bacon, Harry W., assignee: *See*—
Sherman, Earl L.

Bacon, Henry M., Lacey, Wash., assignor to The Dayton Rubber Company, Dayton, Ohio. Drop box picker. 2,621,681, Dec. 16.

Bacon, Henry M., and J. Rockoff, Dayton, Ohio, assignors to The Dayton Rubber Company. Rub apron. 2,621,375, Dec. 16.

Bacon, Leslie R., and C. E. Smith, Wyandotte, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkylaryl sulfonate-hydroxyethyl-cellulose detergent composition. 2,602,781, July 8.

Bacon, Warren, Chicago, Ill., and K. H. Hansen, White Plains, N. Y., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Switching type conveyer. 2,593,242, Apr. 15.

Bacsik, George J., Bayonne, N. J., assignor to Standard Oil Development Company. Apparatus for separating two-phase mixtures. 2,615,792, Oct. 28.

Bade, Alfred G., assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,580,392, Jan. 1.

Bade, Ernest P., Milwaukee, Wis. Smoking pipe. 2,590,488, Mar. 25.

Bade, Heinz: *See*—
Lohfert, Helmut, Günsicke, and Bade.

Bade, Heinz E., Hamburg, Germany. Stopping arrangement and coupling for the thread feed of spinning machines. 2,623,348, Dec. 30.

Badeau, Carroll A.: *See*—
Greene, Donald L., and Badeau.

Badenell, Herbert C.: *See*—
Behrens, Herbert C., and Badenell.

Badenhausen, Otto A., Brookside, N. J., E. A. Wahl, Garden City, N. Y., and W. Boehl, Union, assignors to P. Ballantine & Sons, Newark, N. J. Mechanism to sever tape between adjacent ends of cartons. 2,586,903, Feb. 26.

Badenoch, Benjamin W., Los Angeles, assignor to Douglas Aircraft Company, Inc., San Monica, Calif. Aircraft control surface. 2,608,365, Aug. 26.

Bader, Gillis E., Bellville, Tex. Retractile antenna mast assembly. 2,592,108, Apr. 8.

Bader, Gillis E., Bellville, Tex. Retractile antenna mast assembly. 2,611,456, Sept. 23.

Bader, Hans, Palos Heights, Ill. File compressor member. 2,605,526, Aug. 5.

Bader, Thomas, South River, N. J. End of page indicator and signal for typewriters. 2,599,085, June 3.

Badger, Harry M., assignor to Landers, Frary & Clark, New Britain, Conn. Cover fastening means. 2,599,527, June 10.

Badger Meter Manufacturing Company, assignee: *See*—
Kohout, Frank W.

Badger State Gear Company, Inc., assignee: *See*—
Kamlukin, Igor.

Badgley, Cecil F.: *See*—
Browning, Roe V., and Badgley.

Badner, Michael, Taylor, Pa. Cigarette extinguisher and ash tray. 2,600,724, June 17.

Badollet, Marion S., Plainfield, N. J., and W. C. Streib, Brooklyn, assignors to Johns-Manville Corporation, New York, N. Y. Partially dehydrated chrysotile fiber and making. 2,616,801, Nov. 4.

Badovinac, Peter, Cleveland, Ohio. Posture training device. 2,585,075, Feb. 12.

Badskey, Lorin J.: *See*—
Schubert, Milton V., Jr., Langohr, and Badskey.
Schubert, Milton V., Jr., Langohr, Manago, Jr., and Badskey.

Baecher, Bernard J., New York, N. Y. Dynamometric apparatus. 2,601,780, July 1.

Baechli, George, New Philadelphia, Ohio, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Shaker conveyer loading apparatus. 2,607,471, Aug. 19.

Baehr, Carl G.: *See*—
Burgess, Robert W., Baehr, and Connors.

Baehr, Carl G., West Haven, and H. H. Russell, assignors to The Greist Manufacturing Company, New Haven, Conn. Ruffler attachment for sewing machines. 2,593,519, Apr. 22.

Baender, Charles L., deceased, San Francisco, Calif.; G. C. Arata, executor, assignor to M. I. Baender, San Francisco, Calif. Liquid dispenser. 2,602,566, July 8.

Baender, Mabel L., assignee: *See*—
Baedner, Charles L.

Baender, Richard G., assignee: *See*—
Spinney, Frank R.

Baer, Massimo, and R. G. Fordyce, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Aqueous dispersions containing a water-soluble sulfonated polystyrene. 2,612,485, Sept. 30.

Baer, Maurice E., Boston, and L. E. Concannon, Waban, Mass., said Baer assignor to said Concannon. Cleaning and polishing composition. 2,584,413, Feb. 5.

Baer, Walter S., Sr., Yeadon, and S. Samuels, Philadelphia, Pa. Reversible chair seat. 2,617,475, Nov. 11.

Baetzmann, Robert K.: *See*—
Zieholz, Herbert, Gundersen, and Baetzmann.

Baez, Guillermo F., Buenos Aires, Argentina. Rotary turbine pump. 2,620,735, Dec. 9.

Bagdigian, Ralph P., Somerville, Miss. Multiple die cutter. 2,610,684, Sept. 16.

Bagge, George F.: *See*—
Bagge, Walter, and G. F.

Bagge, Walter and G. F., Los Angeles, Calif. Wheel gauge mounting. 2,608,368, Aug. 26.

Bagge, Walter and G. F., Los Angeles, Calif. Centering gauge. 2,623,296, Dec. 30.

Baggett, Leonard P., Portsmouth, Va. Electrically heated toilet seat. 2,593,087, Apr. 15.

Baggette, Thomas L., Leland, Miss., and A. R. Copithorne, Chelsea, Mass., assignors, by mesne assignments, to The Sperry Corporation, New York, N. Y. Apparatus for metering and distributing anhydrous ammonia in a liquid state. 2,612,760, Oct. 7.

Baggette, Thomas L., Leland, Miss., and A. R. Copithorne, Chelsea, Mass., assignors, by mesne assignments, to The Sperry Corporation, New York, N. Y. Releasable implement connection. 2,612,827, Oct. 7.

Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Tubular handle connection. 2,610,902, Sept. 16.

Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Mop holder having screw-operated clamping plate. 2,621,353, Dec. 16.

Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Deodorant package or the like. 2,621,965, Dec. 16.

Bagley, Michael T., assignor to Philco Corporation, Philadelphia, Pa. Input loading compensation for vacuum tube amplifiers. 2,602,864, July 8.

Bagley & Sewall Company, The, assignee: *See*—
Post, Arthur K.

Bagley, Thomas J., Haddonfield, assignor to R. M. Hollingshead Corporation, Camden, N. J. Coating compositions for floors and the like. 2,623,026, Dec. 23.

Baglinzo, Henry J., assignee: *See*—
Nelson, Lee.

Bagnell, Edgar W., and W. F. Bettis, Glendale, Calif., assignors, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Variable stroke rotary well jar. 2,618,466, Nov. 18.

Bagnell, Edgar W., and W. F. Bettis, Glendale, Calif., assignors, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Rotary well jar. 2,618,467, Nov. 18.

Bagno, Samuel M., Astoria, assignor to The Alertronic Protective Corporation of America, New York, N. Y. Dummy intruder for intruder detection systems. 2,615,970, Oct. 28.

Bagno, Samuel M., Astoria, assignor to The Alertronic Protective Corporation of America, New York, N. Y. Circuit for detection of frequency differences and apparatus employing same. 2,623,931, Dec. 30.

Bagno, Samuel M., Astoria, and S. L. Westerman, Great Neck, assignors to The Alertronic Protective Corporation of America, New York, N. Y. Vibration transducer assembly. 2,613,283, Oct. 7.

Bagshaw, Charles M., and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,595,323, May 6.

Bagur, Pierre E., New Orleans, La. Miniature cotton bale receptacle. 2,584,414, Feb. 5.

Bahan, Edward F., Greenville, S. C. Crankshaft bearing for looms. 2,618,295, Nov. 18.

Bahan, George F., Greenville, S. C. Thread-cutting temple for looms. 2,608,218, Aug. 26.

Bahls, Otto, Brooklyn, N. Y. Clothes drier device. 2,600,725, June 17.

Bahner, Carl T., Jefferson City, Tenn. Conversion of nitroamines to lower amines. 2,615,920, Oct. 28.

Bahney, Luther W., Elizabeth, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Induction pouring furnace. 2,586,596, Feb. 19.

Bahney, Robert H.: *See*—
Janecek, Frank H., and Bahney.

Bahnson, Agnew H., Jr., Winston-Salem, N. C. Atomizer system. 2,583,986, Jan. 29.

Bahnson, Agnew H., Jr., assignor to K. K. Bahnson, Winston-Salem, N. C. Apparatus for cleaning filter screens. 2,596,518, May 13.

Bahnson, Agnew H., Jr., assignor to Wachovia Bank and Trust Co., Winston-Salem, N. C. Self-cleaning humidifier. 2,610,045, Sept. 9.

Bahnson, Agnew H., Jr., Winston-Salem, N. C. Self-cleaning spray nozzle. 2,613,992, Oct. 14.

Bahnson Company, The, assignee: *See*—
King, James F., Jr.

Bahnson, Katharine K., assignee: *See*—
Bahnson, Agnew H., Jr.

Bahr, Henry H., Manhasset, N. Y. Guard for nail clippers. 2,620,560, Dec. 9.

Bahuaud, Adrien A., Paris, France. Quick tightening machine-tool vise. 2,588,073, Mar. 4.

Baier, John F., assignor to A. G. McKee & Co., Cleveland, Ohio. Clamping means for doors of blast furnace stoves. 2,605,724, Aug. 5.

Baier, John F., assignor to Arthur G. McKee & Co., Cleveland, Ohio. Revolving distributor. 2,614,709, Oct. 21.

Bailar, John C., Jr., and R. W. Parry, Urbana, Ill., assignors to the United States of America as represented by the Secretary of the Navy. Metal chloride screening smoke mixture. 2,614,083, Oct. 14.

Baile, Glenn E.: *See*—
Raines, Albin H., and Baile.

Bailen, Jacob L., Bloomington, assignor of thirty-five per cent to G. E. Meites, Chicago, Ill. Belt for wearing apparel. 2,596,884, May 13.

Bailey, Alonzo W., Cleveland, Ohio. Forming floor and ceiling structures. 2,611,944, Sept. 30.

Bailey, Alton E., assignor to The Girdler Corporation, Louisville, Ky. Bleaching oil with adsorbent. 2,618,644, Nov. 18.

Bailey, Andrew J.: *See*—
King, William A., and Bailey.

Bailey, Arnold B., Scotch Plains, N. J. Modulation system. 2,584,532, Feb. 5.

Bailey, Bradford E., Elizabeth, N. J., assignor to Standard Oil Development Company. Cyclone separator. 2,607,438, Aug. 19.

Bailey, Bruce L., Niagara Falls, assignor to Great Lakes Carbon Corporation, New York, N. Y. Manufacture of carbon electrodes. 2,582,764, Jan. 15.

Bailey, Charles M., Co., Inc., assignee: *See*—
La Point, Kenneth K.

Bailey, Christopher E. G., London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for synchronizing the frequency of an oscillator to a control oscillation. 2,582,668, Jan. 15.

Bailey, Christopher E. G., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio navigation aid. 2,591,908, Apr. 8.

Bailey, Christopher E. G., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical oscillator circuit arrangement. 2,617,040, Nov. 4.

Bailey Company, Incorporated, The, assignee: *See*—
Bailey, David C.
Johnson, Leonard W., and Pottle.

Bailey, David C., assignor to The Bailey Company, Inc., Amesbury, Mass. Glass run channel for vehicle windows. 2,594,717, Apr. 29.

Bailey, David C., assignor to The Bailey Company, Incorporated, Amesbury, Mass. Weather strip. 2,613,408, Oct. 14.

Bailey, David R., Sacramento, Calif. Apparatus for halving almonds. 2,597,279, May 20.

Bailey, David R., Sacramento, Calif. Apparatus for splitting almonds. 2,601,490, June 24.

Bailey, David R., assignor to California Almond Growers Exchange, Sacramento, Calif. Apparatus for cutting almonds to pieces of miscellaneous sizes. 2,611,405, Sept. 23.

Bailey, Donald, Puritan Mines, W. Va. Door with closing and protecting assembly. 2,593,403, Apr. 22.

Bailey, Edward A.: *See*—
Schulz, Edward L., and Bailey.

Bailey, Edward V., Santa Paula, Calif. Mole trap. 2,590,489, Mar. 25.

Bailey, Eric: *See*—
Gross, Leonard, and Bailey.

Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for effecting combustion. 2,602,432, July 8.

Bailey, Ervin G., Easton, Pa., P. S. Dickey, East Cleveland, and J. F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company. Valving apparatus. 2,598,207, May 27.

Bailey, Francis T., East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fault responsive indicating control apparatus preferably for textile machinery. 2,611,017, Sept. 16.

Bailey, Frank N., and R. P. Humpal, assignors to Woodward Governor Company, Rockford, Ill. Speed responsive signaling mechanism. 2,614,161, Oct. 14.

Bailey, George B., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Electronic program controller. 2,594,716, Apr. 29.

Bailey, George B., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Pressure sensitive device. 2,604,116, July 22.

Bailey, Glen F.: *See*—
Burr, Horace K., and Bailey.

Bailey, Gordon L. J., West Drayton, and H. C. Watkins, Greenford, assignors to British Non-Ferrous Metals Research Association, London, England. Production of lead coatings. 2,586,142, Feb. 19.

Bailey, Grant C., and J. A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company. SiO_2—Al_2O_3—NiO catalyst and its preparation. 2,581,228, Jan. 1.

Bailey, Grant C., Royal Oak, Mich., and W. B. Whitney, Bartlesville, Okla., assignors to Phillips Petroleum Company. Making grease. 2,598,154, May 27.

Bailey, Grant C., and J. A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic polymerization of olefins. 2,606,940, Aug. 12.

Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Crossover homogenizing apparatus. 2,584,827, Feb. 5.

Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Method and apparatus for producing plastic tubing. 2,594,842, Apr. 29.

Bailey, James, assignor to Plax Corporation, West Hartford, Conn. Manufacturing plastic articles. 2,597,558, May 20.

Bailey, James G., Vernonia, Oreg. Splitting machine for making shakes. 2,612,916, Oct. 7.

Bailey, James S., and A. W. Schmidt, Chicago, Ill., assignors to The Rauland Corporation. Metal cone cathode-ray tube. 2,585,614, Feb. 12.

Bailey, John L.: *See*—
Earland, Christopher, Bailey, and Carter.

Bailey, John T., Short Hills, N. J. Bridge circuit. 2,595,626, May 6.

Bailey, Joyce T., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Furnace bridge wall cooling and air feeding construction. 2,606,513, Aug. 12.

Bailey, Kenneth D., Dayton, Ohio. Modulation meter. 2,594,274, Apr. 29.

Bailey, Kenneth J., Great Falls, Mont. Acoustical appliance. 2,619,866, Dec. 2.

Bailey, Levi E., Owosso, Mich. Screw driver. 2,581,899, Jan. 8.

Bailey Meter Company, assignee: *See*—
Bailey, Ervin G., Dickey, and Shannon.
Barnard, Clayton H.
Dickey, Paul S.
Dickey, Paul S., and Hornfeck.
English, James E., Jr., and Hornfeck.
Fellows, Frank H., and Wheaton.
Fitch, Edward W.
Hoffman, Howard T.
Hornfeck, Anthony J.
Hornfeck, Anthony J., and Hoffman.
Johnson, Clarence.
Junkins, Raymond D.
McEvoy, James E.
Mittendorf, Harvey C., and Paulison.
Paulison, William L., Jr., and Mittendorf.
Shannon, Jack F.

Bailey, Meyer E., assignee: *See*—
Swanson, Bror W.

Bailey, Revilo E., assignor of one-half to J. N. Thompson, Tulsa, Okla. Duct static pressure control. 2,598,208, May 27.

Bailey, Richard W., Hale, England, assignor, by mesne assignments, to General Electric Company. Annular forging and casting. 2,583,315, Jan. 22.

Bailey, Richard W., Hale, England, assignor, by mesne assignments, to General Electric Company. Gas producer and method of operation. 2,622,972, Dec. 23.

Bailey, Richard W., assignor to M. M. Harding, Los Angeles, Calif. Interleaving apparatus. 2,580,379, Jan. 1.

Bailey, Richard W., assignor to M. M. Harding, Los Angeles, Calif. Interleaving machine. 2,619,034, Nov. 25.

Bailey, Robert G.: *See*—
Jones, Robert E. and Bailey.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Antenna. 2,581,348, Jan. 8.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,611,882, Sept. 23.

Bailey, Robert S., Bayside, assignor to International Standard Electric Corporation, New York, N. Y. Automatic frequency control. 2,616,049, Oct. 28.

Bailey, Robert S., Phoenix, Ariz., and M. Silver, Fairlawn, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Repeater for frequency modulated waves. 2,611,859, Sept. 23.

Bailey, Ronald A., assignor to Wipac Filtration Limited, Bletchley, England. Filter. 2,592,849, Apr. 15.

Bailey, Roy W., and J. T. Faull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Nut driving machine. 2,616,324, Nov. 4.

Bailey, Thomas S., Jr., assignor to Mining Process and Patent Company, Denver, Colo. Apparatus for concentrating ores and the like. 2,584,976, Feb. 12.

Bailey, Vera C., Washington, D. C. Detachable holder for scouring elements. 2,620,501, Dec. 9.

Bailey, William B., Rockmart, Ga. Adapter for connecting meat tenderizers to food choppers or the like. 2,602,681, July 8.

Bailey, William D., Jr., Oakland, Calif. Rotary reaction nozzle fuel burner. 2,590,063, Mar. 18.

Bailey, William F., Valley Stream, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Direct current restorer for maintaining constant black level at cathode-ray tube. 2,611,029, Sept. 16.

Bailey, William H., assignor to The British Iron and Steel Research Association, London, England. Breaker block for rolling mills. 2,612,798, Oct. 7.

Bailey, William M., Fairhaven, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Capacitance device. 2,597,429, May 20.

Bailhe, George, Brooklyn, N. Y. Safety garment. 2,607,934, Aug. 26.

Bailiff, Fred H., and D. B. Wicker, Nitro, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Device for cutting staple fiber. 2,581,467, Jan. 8.

Bailis, Reuben, Philadelphia, Pa. Flash removing apparatus. 2,592,640, Apr. 15.

Baillargeon, John L.: *See*—
Piekarski, Joseph J., and Baillargeon.

Baillie, Granville H.: *See*—
Wilcock, John E., and Baillie.

Bailly, Florent H., Pasadena, Calif. Vehicle position indicator. 2,598,096, May 27.

Baily, Edgard W., Purley, assignor to Paterson Engineering Company, Ltd., London, England. Filter. 2,595,913, May 6.

Bain, Charles K., Bonne Terre, Mo., assignor to St. Joseph Lead Company, New York, N. Y. Tamping an explosive charge. 2,596,639, May 13.

Bain, George W., Jr.: *See*—
Webster, William M., Jr., and Bain.

Bain, Jack C., Santa Fe, N. Mex. Fish lure. 2,598,965, June 3.

Bain, Jay G., Petoskey, Mich. Catchup dispenser. 2,612,297, Sept. 30.

Bain, Lewis A., Jr., Berwyn, and H. E. Malone, Riverside, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Metallized ceramic coating composition. 2,608,539, Aug. 26.

Bainbridge, Featherstone, Fenham, Newcastle-on-Tyne, assignor to Huwood Mining Machinery Limited, Gateshead-on-Tyne, England. Belt conveyer. 2,622,723, Dec. 23.

Bainbridge, Marvin: *See*—
Sheffield, Eugene S., Jr., and Bainbridge.

Baines, Harry, E. P. Davey, and E. F. Teal, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Hardened particle mixed grain photographic emulsion. 2,618,553, Nov. 18.

Baines, John A.: *See*—
Lucas, Sydney, and Baines.

Bair, Lloyd L., Flint, Mich. Sink mounting. 2,588,074, Mar. 4.

Bair, Walter E., Washington, D. C. Olive tongs. 2,609,228, Sept. 2.

Baird, Carl E., Louisiana, Mo., and P. V. Mullins, Amarillo, Tex. Automatic cutoff valve. 2,613,683, Oct. 14.

Baird, Jack A., Rockaway, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency divider. 2,585,722, Feb. 12.

Baird Machine Company, The, assignee: *See*—
Lewis, Arthur J.

Baird, Peggy: *See*—
MacMasters, Majel M., Baird, and Rist.

Baird, Philip, assignor to Cee-Kleer Products, Inc., Cincinnati, Ohio. Sight glass fitting for piping systems. 2,592,848, Apr. 15.

Baird, William F., Los Angeles, Calif. Ice-cream freezer. 2,619,808, Dec. 2.

Balsch, John C., Los Angeles, Calif., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel supply system. 2,588,052, Mar. 11.

Balsch, John C., Whittier, Calif., assignor to Carter Carburetor Corporation, St. Louis, Mo. Speed responsive valve for fuel-feeding systems. 2,596,461, May 13.

Balsch, Richard K., Cottage City, Md. Armor shield for projectile type fastenings. 2,594,275, Apr. 29.

Balsch, Stephen J., Kaukauna, and H. C. Lee, Oshkosh, assignors to Thilmany Pulp and Paper Company, Kaukauna, Wis. Paper reinforcing machine. 2,614,054, Oct. 14.

Balsel, Edwin C.: *See*—
Delany, John J., and Balsel.

Balsel, Edwin C., assignor to Delany Realty Corporation, New York, N. Y. Silent closing pilot-operated valve. 2,615,467, Oct. 28.

Baisley, Raymond J.: *See*—
Bandura, James, Baisley, Pfeffer, and Keely.

Balsor, William K., Progress, Pa. Collapsible minnow net. 2,583,987, Jan. 29.

Balther, Harry, Sterling, Ill. Water motor-driven ventilator. 2,603,797, July 22.

Bajrovic, Alexander, Akers Styckebruk, Sweden. Permanent core. 2,583,248, Jan. 22.

Bajulaz, Roger, Geneva, Switzerland. Ball bearing. 2,599,969, June 10.

Baker, Allister L., Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,611,184, Sept. 23.

Baker, Allister L., Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Optical scale reading system. 2,619,002, Nov. 25.

Baker, Arthur W., Webster Groves, assignor to Illinois Powder Manufacturing Company, St. Louis, Mo. Explosive cartridge assembly. 2,590,671, Mar. 25.

Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,623,968, Dec. 30.

Baker, Benjamin P., Turtle Creek, Pa., and O. von Mehren, Lorain, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,581,571, Jan. 8.

Baker, Benjamin P., Turtle Creek, and T. E. Browne, Jr., Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,586,290, Feb. 19.

Baker, Benjamin P., Turtle Creek, E. Frisch and H. M. Wilcox, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure assembly. 2,602,868, July 8.

Baker, Benjamin P., Turtle Creek, and E. Frisch, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas circuit interrupter. 2,616,008, Oct. 28.

Baker, Bernard R., Nanuet, assignor to American Cyanamid Company, New York, N. Y. 3-propargyl-4-quinazolones and acid salts thereof and making the same. 2,621,162, Dec. 9.

Baker, Bill P., San Diego, assignor to Superior Plastics, Inc., El Segundo, Calif. Puncturing holder for gas cartridge. 2,580,639, Jan. 1.

Baker, Carlos J., Chickasha, Okla., assignor to Statham Laboratories, Inc., Beverly Hills, Calif. Strain wire gauge. 2,622,176, Dec. 16.

Baker Castor Oil Company, The, assignee: *See*—
Carter, James S. F.
Colbeth, Ivor M.
Colbeth, Ivor M., and Carter.
Hise, William, and Dietrich.
Patton, Temple C.
Patton, Temple C., and Jubanowsky.
Smith, Malcolm K.

Baker, Charles H.: *See*—
Lindell, Sigurd L., and Baker.

Baker, Charles H., Maywood, assignor to S & C Electric Company, Chicago, Ill. Universal single insulator mounting for high-voltage electrical devices. 2,606,954, Aug. 12.

Baker, Charles H., Paterson, N. J. Tool for applying and removing nipples from radiators and the like. 2,598,877, June 3.

Baker, Charles W., Spokane, Wash. Exhaust nozzle tip for locomotives. 2,609,986, Sept. 9.

Baker, Clarence T.: *See*—
Bender, John C., and Baker.

Baker, Cohen H., Fort Worth, Tex. Bottle cap opener with crimp engaging teeth. 2,611,286, Sept. 23.

Baker & Co., Inc., assignee: *See*—
Rosenblatt, Edgar F.
Rosenblatt, Edgar F., and Cohn.
Russell, Harry J.
Stumbock, Max J.

Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rounding the soles of shoes. 2,607,059, Aug. 19.

Baker, Craig C., Los Angeles, Calif. Locking hinge. 2,594,533, Apr. 29.

Baker, Craig C., Los Angeles, Calif. Tie holder. 2,601,424, June 27.

Baker, David R., Kennewick, Wash. Pressure equalizing valve. 2,584,533, Feb. 5.

Baker, Donald J., Los Angeles, Calif. Magnetic phonograph pickup. 2,581,511, Jan. 8.

Baker, Donald J., Los Angeles, Calif. Phonograph pickup with shock-proof mounting. 2,595,561, May 6.

Baker, Donald J., Los Angeles, Calif. Distance comparator gauge. 2,596,519, May 13.

Baker, Donald J., Los Angeles, Calif. Mounting arm for sound translating device. 2,603,490, July 15.

Baker, Donald J., Los Angeles, Calif. Nontorsional stylus. 2,603,492, July 15.

Baker, Donald J., Los Angeles, Calif. Pickup head with removable armature and stylus assembly. 2,622,156, Dec. 16.

Baker, Dorr S., Little Falls Township, Passaic County, N. J. Screw and centrifugal pump. 2,614,501, Oct. 21.

Baker, Dwight L., Park Forest, assignor to B. L. Sarett, Chicago, Ill. Enzymatically deoxygenated product and process. Re. 23,523, July 22.

Baker, Edward S., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Capacitance pick-off servo system. 2,606,310, Aug. 5.

Baker, George L., assignor to Haskell Research Foundation, Newark, Del. Plant juice concentrates. 2,605,188, July 29.

Baker, George L., Newark, Del., and M. Olliver, assignors to Chivers & Sons Limited, Histon, Cambridge, England. Tablet jellies and preparing same. 2,594,439, Apr. 29.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories, Incorporated, Chicago, Ill. Emergency display for toll ticketing. 2,581,900, Jan. 8.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Multiple office voice-frequency line identification system. 2,591,909, Apr. 8.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Assembling and connecting nonlinear resistance elements. 2,598,097, May 27.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Measuring arrangements. 2,601,491, June 24.

Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Measuring arrangements. 2,601,492, June 24.

Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Armature mounting for plural electromagnetic relays. 2,611,012, Sept. 16.

Baker, George T., Buckinghamshire, assignor to British Telecommunications Research Limited, Taplow, Buckinghamshire, England. Telegraph distributor. 2,612,562, Sept. 30.

Baker, George W., Chicago Heights, assignor to United States Gypsum Company, Chicago, Ill. Panel type laminated wallboard partition. 2,618,028, Nov. 18.

Baker, Gerald T., Neligh, Nebr., assignor to Horn Manufacturing Company, Fort Dodge, Iowa. Loading machine. 2,583,079, Jan. 22.

Baker, Harold E.: *See*—
Young, Charles A., and Baker.

Baker, Harry E., Macomb, Ill. Poultry feeder. 2,595,324, May 6.

Baker, Harry E., Seattle, Wash. Liquid sampler. 2,593,830, Apr. 22.

Baker, Harry F.: *See*—
Seright, Carl G., and Baker.

Baker, Hayward R.: *See*—
Zisman, William A., Wolfe, Baker, and Spessard.

Baker, Jack F., Long Beach, Calif. Rotatable tubing hanger. 2,599,039, June 3.

Baker, Jack M., South Peabody, Mass., assignor to General Electric Company. Multiple governing system for turbine with automatic transfer. 2,614,229, Oct. 14.

Baker, James G., Orinda, Calif., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Panoramic camera. 2,593,088, Apr. 15.

Baker, James N., Towson, Md., assignor to The Black and Decker Manufacturing Company. Electric strain gauge. 2,623,386, Dec. 30.

Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Altitude warning signal system. 2,602,111, July 1.

Baker, John S., Los Angeles, Calif. Processing machine. 2,585,213, Feb. 12.

Baker, John T.: *See*—
Bayhi, Joseph F., and Baker.

Baker, Leonard, Hillsdale, N. J., assignor, by mesne assignments, to Filmsort, Inc., New York, N. Y. Card structure and making same. 2,612,711, Oct. 7.

Baker Manufacturing Company, The, assignee: *See*—
Washbond, Harry H.

Baker, Marlin S., assignor to The Parker Pen Company, Janesville, Wis. Ink feed and overflow collector means for fountain pens. 2,619,070, Nov. 25.

Baker, Marlin S., assignor to The Parker Pen Company, Janesville, Wis. Ball-point writing instrument. 2,622,561, Dec. 23.

Baker, Marlin S., and H. H. Zodtner, assignors to The Parker Pen Company, Janesville, Wis. Fountain Pen. 2,612,867, Oct. 7.

Baker, Merle W., F. F. Bell, C. F. Curtis, II, and E. A. Patton, assignors to Curtis Companies Incorporated, Clinton, Iowa. Apparatus for manufacturing boards of compressed cellulose material and the like. 2,583,249, Jan. 22.

Baker, Merle W., Sioux City, F. F. Bell, C. F. Curtis, II, and E. A. Patton, assignors to Curtis Companies Incorporated, Clinton, Iowa. Making cellulose boards. 2,619,681, Dec. 2.

Baker, Merle W., F. F. Bell, C. F. Curtis, II, and E. A. Patton, assignors to Curtis Companies Incorporated, Clinton, Iowa. Pan filling machine. 2,623,675, Dec. 30.

Baker, Merle W., Sioux City, F. F. Bell, C. F. Curtis, II, and E. A. Patton, assignors to Curtis Companies Incorporated, Clinton, Iowa. Pan filling machine. 2,623,676, Dec. 30.

Baker, Millard H., St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump impeller. 2,604,852, July 29.

Baker Oil Tools, Inc., assignee: *See*—
Althouse, William S., Jr.
Baker, Reuben C.
Baker, Reuben C., and Althouse.
Baker, Reuben C., and Kriegel.
Baker, Reuben C., and Ragan.
Clark, Earnest H., Jr.
Conrad, Martin B.
Conrad, Martin B., and Matlack.
Glover, Robert C.
Johnson, James V.
Lee, Francis H.
Ragan, Thomas M.
Whitney, Clarie E.

Baker, Paul R.: *See*—
Plancon, George H., Baker, and McFall.

Baker, Perkins, Inc., assignee: *See*—
Feige, Harry.
Riordan, Albert O.
Steadman, Rufus P.
Warrington, James I. D.

Baker Perkins Incorporated, assignee: *See*—
Hart, John.
Pointon, John E.

Baker Perkins Limited, assignee: *See*—
Tunley, Allan A.

Baker, Randall B., New York, N. Y., assignor to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Electroacoustical transducer. 2,582,942, Jan. 22.

Baker, Randall B., New York, N. Y., assignor to Wheeler Insulated Wire Co., Inc., Bridgeport, Conn. Telephone handset. 2,607,857, Aug. 19.

Baker-Raulang Company, The, assignee: *See*—
Lawless, Nathan M.
Lehmann, Max.

Baker, Raymond G.: *See*—
Willett, Leon E., and Baker.

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Ported cementing apparatus. 2,602,510, July 8.

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing centering device. 2,602,512, July 8.

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well tool anchoring device. 2,605,843, Aug. 5.

Baker, Reuben C., Coalinga, and B. Kriegel, Los Angeles, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,593,520, Apr. 22.

Baker, Reuben C., Coalinga, and T. M. Ragan, Downey, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well packer lock device. 2,598,340, May 27.

Baker Reuben C., Coalinga, and W. S. Althouse, Jr., Arcadia, assignors to Baker Oil Tools, Inc., Vernon, Calif. Casing scraper. 2,602,515, July 8.

Baker Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Hydraulic underreamer. 2,602,642, July 8.

Baker, Rhea V., Seattle, Wash. Reducing bulging of crusher jaw face-plates. 2,609,154, Sept. 2.

Baker, Richard H., Los Angeles, and D. E. Eckdahl, Manhattan Beach, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Electronic counting device. 2,620,440, Dec. 2.

Baker, Robert C., Corry, Pa., and R. L. Clark, East Cleveland, assignors, by mesne assignments, to Strong Steam Specialty Mfg. Co., Cleveland, Ohio. Steam trap. 2,586,143, Feb. 19.

Baker-Ross, Inc.: *See*—
Droeger, Carl C., Meloy, and Roggie.

Baker, Stanley W., Hackensack, and J. E. Rice, Pompton Plains, N. J., assignors to Curtiss-Wright Corporation. Multispeed transmission. 2,588,462, Mar. 11.

Baker, Walter E., Port Norris, N. J. Combination plant flat and plant propagating pots therein. 2,602,268, July 8.

Baker, Walter S., Logansport, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Forming mechanism for composite sealing strips. 2,613,720, Oct. 14.

Baker, William A.: *See*—
Eborall, Esther M. D., Baker, and Liddiard.

Baker, William O., Morristown, and F. H. Winslow, Springdale, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ball bearing. 2,609,256, Sept. 2.

Baker, William R.: *See*—
Simpson, Kenneth H., Baker, and Kerns.

Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Leak detector. 2,591,998, Apr. 8.

Bakewell, G. G., assignee: *See*—
Diebel, Henry S.

Bakewell, George G., assignee: *See*—
Fricke, Richard W.

Bakewell, Sidney, Detroit, Mich. Meat tenderizing device 2,583,199, Jan. 22.

Bakke, Hans A.: *See*—
Goss, James H., Mendelsohn, and Bakke.
Wrobel, Henry T., and Bakke.

Bakken, Hans H., Pueblo, Colo. Sparkler fishhook. 2,599,684, June 10.

Bakker, Johannes, Lange Ruige Weide, Netherlands. Device for mixing bulks. 2,583,135, Jan. 22.

Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Carrier system having variable power level for supervisory signaling. 2,590,672, Mar. 25.

Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Restricted service telephone system. 2,592,784, Apr. 15.

Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line reverting call by directory number. 2,602,120, July 1.

Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic toll telephone system. 2,607,854, Aug. 19.

Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Trunk circuit repeater. 2,614,173, Oct. 14.

Bakker, Pieter: *See*—
Goebel, Johannes, Bakker, and Hoogland.

Balamuth, Lewis, New York, N. Y. Removing material from a solid body. 2,580,716, Jan. 1.

Balanscope, Inc., assignee: *See*—
Garutso, Stephen E.

Balas Collet Manufacturing Co., The, assignee: *See*—
Cox, John R.

Balasevich, John J., Woodbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick container. 2,610,733, Sept. 16.

Balassa, Ladislaus, West Barrington, R. I. Preparation of starch ethers. 2,588,463, Mar. 11.

Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Inc., New York, N. Y. Nitrous oxide production. 2,609,273, Sept. 2.

Balcar, Vojtěch, Prague-Smichov, Czechoslovakia. Valved drop forming stopper. 2,605,938, Aug. 5.

Balcar, Vojtěch, Prague-Smichov, Czechoslovakia. Valved drop forming stopper with removable air and liquid orifice plugs. 2,623,662, Dec. 30.

Baldanza, Nicholas T., Rutherford, assignor, by mesne assignments, to Columbia Protektosite Co., Inc., Carlstadt, N. J. Hollow interlocked building block and wall. 2,594,378, Apr. 29.

Baldanza, Nicholas T., Rutherford, assignor, by mesne assignments, to Columbia Protektosite Co., Inc., Carlstadt, N. J. Ink recordation on molding resinous articles. 2,619,679, Dec. 2.

Baldanza, Nicholas T., Rutherford, assignor, by mesne assignments, to Columbia Protektosite Co., Inc., Carlstadt, N. J. Packaging device and cap-stopper closure. 2,620,085, Dec. 2.

Baldassare, Egidio R.: *See*—
Gregory, Douglas W., and Baldassare.

Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding intricate contours. 2,585,990, Feb. 19.

Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for grinding. 2,623,333, Dec. 30.

Balderstone, Edward, Oakford, Pa., assignor to The S. S. White Dental Manufacturing Company. Joint structure for pivoted tools. 2,592,641, Apr. 15.

Baldridge, Dorris R.: *See*—
Pemberton, J. C., and Baldridge.

Baldry, George E., Winnipeg, Manitoba, Canada. Apparatus for operating excavating tools. 2,622,847, Dec. 23.

Baldsiefen, Walter D., Metuchen, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Light-sensitive silver halide photographic elements. 2,600,831, June 17.

Baldwin, Arthur N.: *See*—
Baldwin, Henry J., A. N., and Mihara.

Baldwin, Clyde P., Claremont, N. H., assignor to Joy Manufacturing Company. Cable reel mechanism. 2,601,958, July 1.

Baldwin Company, The, assignee: *See*—
Knoblaugh, Armand F.
Wayne, William C., Jr.

Baldwin, Curtis C., Whitney, Nebr., assignor to C. E. Hovey, trustee. Soil scarifier. 2,581,512, Jan. 8.

Baldwin, Curtis C., Whitney, Nebr., assignor to C. E. Hovey, trustee, Kansas City, Mo. Portable conveyer. 2,605,885, Aug. 5.

Baldwin, Donald T., Lincoln, Ill. Tool. 2,609,179, Sept. 2.

Baldwin, Francis P.: *See*—
Newberg, Raymond G., and Baldwin.

Baldwin, Francis P., Linden, N. J., assignor to Standard Oil Development Company. Bonding of isobutylene-isoprene copolymer to brass. 2,587,430, Feb. 26.

Baldwin, Francis P., Linden, and W. C. Smith, Westfield, N. J., assignors to Standard Oil Development Company. Curing rubbery olefinic copolymers. 2,619,481, Nov. 25.

Baldwin, Francis W., Huntingdon, Pa. Key carrying case. 2,605,802, Aug. 5.

Baldwin, Harold L., St. Johnsbury, Vt. Log handling apparatus. 2,587,681, Mar. 4.

Baldwin, Henry J., Paia, assignor to Pineapple Research Institute of Hawaii, Honolulu, Territory of Hawaii. Underground forked scraper-shear bar for power-driven colters. 2,620,714, Dec. 9.

Baldwin, Henry J. and A. N., and T. Mihara, Paia, assignors to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii. Mechanized seed distributor. 2,584,322, Feb. 5.

Baldwin Instrument Company Limited, assignee: *See*—
Love, Angus, and Sik.

Baldwin, John D., Jr., Highland Heights, and F. D. Wyss, Cleveland Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Hand brake assembly. 2,591,495, Apr. 1.

Baldwin, Joseph W., Wichita Falls, Tex. Article holder for automobile visors. 2,598,029, May 27.

Baldwin, Lawrence W., Oxnard, Calif. Velocity meter. 2,620,380, Dec. 2.

Baldwin, Leslie B., Auburn, assignor to Welded Products Limited, Alexandria, near Sydney, New South Wales, Australia. Brake and inching control mechanism for mechanical presses. 2,598,633, May 27.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Jones, Edgar J.
Lazan, Benjamin J.
Lewis, Frank M., and Morain.
Moore, Archie F.
Moore, John H.
Morlan, Willard A.
Pelly, Francis E., and Cave.
Ruge, Arthur C.
Schurr, Otto E.

Baldwin, Nathaniel, Salt Lake City, Utah. Spacing punch. 2,582,898, Jan. 15.

Baldwin, Philip S., Florence, Italy. Pressure amplifying system for hydraulic brake wheel cylinders. 2,617,260, Nov. 11.

Baldwin, Robert M., New Castle, Ind. Reciprocating element operating device. 2,599,151, June 3.

Baldwin Rubber Company, assignee: *See*—
Hunter, Gerald G.
McDonald, Angus.

Bale, Andrew J., Jr., Berkeley, assignor to Pacific Bakery Machinery Co., Oakland, Calif. Dough ring cutting machine. 2,612,853, Oct. 7.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Fastening member for perforated sheet material members. 2,601,201, June 17.

Bales, James E., and M. Monaco, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Commercial shelving. 2,604,213, July 22.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Flexible coupling. 2,620,640, Dec. 9.

Balhouse, Harold J., Schenectady, N. Y., assignor to General Electric Company. Liquid piston gas pump. 2,620,966, Dec. 9.

Balistrieri, Antonio F., Los Angeles, Calif. Abdominal supporting truss. 2,605,762, Aug. 5.

Balkin, Frank, Chicago, Ill. Traffic viewing device. 2,622,482, Dec. 23.

Ball, Birtley A., Milton, Wash. Multiple delayed-action switches. 2,603,729, July 15.

Ball Brothers Company, assignee: *See*—
Pasotti, Felice G.

Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Blast hole drilling apparatus. 2,586,773, Feb. 26.

Ball, Charles F., assignor to Joy Manufacturing Company, Franklin, Pa. Mine shuttle car. 2,589,217, Mar. 18.

Ball, Charles F., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Fluid operated clutch. 2,593,521, Apr. 22.

Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Jack mechanism. 2,596,462, May 13.

Ball, Charles F., and G. C. Dalmaso, Franklin, Pa., assignors to Joy Manufacturing Company. Mobile post puller winch. 2,606,745, Aug. 12.

Ball, Dexter D., Cincinnati, Ohio. Sectional container. 2,610,760, Sept. 16.

Ball, Earl W.: *See*—
Morway, Arnold J., and Ball.

Ball, Eustace T., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Door. 2,608,727, Sept. 2.

Ball, F. M., & Co., assignee: *See*—
Luther, Paul E.

Ball, Frank J.: *See*—
Kellen, John J., Jr., Ball, and Gressang.

Ball, Gaines L., assignor to Batson-Cook Company, West Point, Ga. Hot-air dryer for slashers. 2,586,200, Feb. 19.

Ball, Gaines L., assignor to Batson-Cook Company, West Point, Ga. Drier for slashers. 2,596,358, May 13.

Ball, Gerald L., Council Bluffs, Iowa. Rotary hammer for feed mills. 2,602,597, July 8.

Ball, Harold W., and F. F. Stange, assignors to Foster Machine Company, Westfield, Mass. Article sorting conveyer unit. 2,615,566, Oct. 28.

Ball Ice Machine Co., assignee: *See*—
McCoy, Lloyd L.

Ball, Jack: *See*—
Goldfield, Edwin R., and Ball.

Ball, John S.: *See*—
Lockwood, Joseph F., and Ball.

Ball, Milfred V., The Dalles, Oreg. Leveling device. 2,583,250, Jan. 22.

Ball, Paul W., Tucumcari, N. Mex. Photograph retouching apparatus. 2,585,423, Feb. 12.

Ball Renu, Inc., assignee: *See*—
Smith, Cloyd D.

Ball, Richard H.: *See*—
Murdock, Thomas B., and Ball.

Ball, Richard N., and E. Van Dellen, Visalia, Calif. Processing olives. 2,582,371, Jan. 15.

Ball, Roy, Mound City, Kans. Row marker for tractor implements. 2,618,214, Nov. 18.

Ball, Russell C., Wynnewood, and H. O. Kron, assignors to Philadelphia Gear Works, Inc., Philadelphia, Pa. Valve actuating mechanism. 2,592,374, Apr. 8.

Ball & Socket Manufacturing Co., The, assignee: *See*—
Hubbell, Leslie W.

Ball, Stanley, assignee: *See*—
Stewart, James S.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Throttle control. 2,592,375, Apr. 8.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control switch. 2,599,425, June 3.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fuel atomizing nozzle. 2,613,997, Oct. 14.

Balla, John, Jr., assignor to Allen B. Wrisley Company, Chicago, Ill. Vacuum type dust collector apparatus for filling containers with comminuted material. 2,587,089, Feb. 26.

Ballantine, James S., Absecon, N. J. Planer and thickness indicating attachment therefor. 2,617,866, Nov. 11.

Ballantine, P., & Sons, assignee: *See*—
Badenhausen, Otto A., Wahl, and Boehl.
Wahl, Eugene A., and Winters.

Ballantyne, David H., York, near Langho, near Blackburn, assignor to Rolls-Royce Limited, Derby, England. Control means for gas-turbine or jet engines which facilitates starting of the engine. 2,612,751, Oct. 7.

Ballantyne, David H., Littleover, and H. E. W. West, Allestree, assignors to Rolls-Royce Limited, Derby, England. Gas turbine engine with starting device and automatic fuel control means. 2,610,466, Sept. 16.

Ballantyne, George H., assignee: *See*—
Magnuson, Roy M.

Ballantyne, Norman Z., Lewiston, Idaho. Beam amplifier tube. 2,609,515, Sept. 2.

Ballard, Albert E., C. W. Zuehlke, and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Temperature indicating device. 2,614,430, Oct. 21.

Ballard, Charles S., Seattle, Wash. Apparatus for making dentures. 2,592,376, Apr. 8.

Ballard, Lyttleton W., Ilchester, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse delay circuits. 2,600,185, June 10.

Ballard, Robert J.: *See*—
Boyer, John L., and Ballard.

Ballard, Sam L., Houston, Tex. Pipe bending machine, including skid lifting device. 2,589,651, Mar. 18.

Ballard, Seaver A.: *See*—
Luten, Daniel B., Jr., Ballard, and Schwarzer.
Melstrom, Donald S., and Ballard.
Schwarzer, Carl G., Ballard, and Luten.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,599,803, June 10.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,603,604, July 15.

Ballard, Seaver A., Orinda, R. C. Morris, Berkley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Ethers of allyl-type alcohols with halogen-containing substituted carbinols, and process. 2,608,586, Aug. 26.

Ballard, Wm. O., assignee: *See*—
Crawford, Howard E.

Ballentine, Earle W., Laguna Beach, Calif., assignor, by mesne assignments, to Redmond Company, Inc., Owosso, Mich. Shaded pole motor. 2,591,117, Apr. 1.

Ballentine, Robert: *See*—
Berstein, William, and Ballentine.

Ballew, Frank E., Woodland, Mich. Apparatus for marking road surfaces. 2,593,960, Apr. 22.

Ballew, Frank E., Lansing, Mich. Highway painted line marker. 2,610,422, Sept. 16.

Balley, Ronald A., assignor to Wipac Filtration Limited, Bletchley, England. Filter. 2,622,737, Dec. 23.

Ballman, Edwin C., assignor to Ballman Engineering Company, Clayton, Mo. Split-phase electric motor. 2,624,031, Dec. 30.

Ballman Engineering Company, assignee: *See*—
Ballman, Edwin C.

Ballou, B. A., & Co., Incorporated, assignee: *See*—
Ballou, Frederick A., Jr.
Ballou, Frederick A., Jr., and Stafford.

Ballou, Charles O., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring instrument. 2,601,583, June 24.

Ballou, Frederick A., Jr., Providence, R. I., assignor to B. A. Ballou & Co., Incorporated. Button back. 2,584,828, Feb. 5.

Ballou, Frederick A., Jr., Providence, and R. T. Stafford, East Providence, R. I., assignors to B. A. Ballou & Co., Incorporated. Clasp. 2,583,988, Jan. 29.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Mechanical measuring device. 2,580,717, Jan. 1.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Circuit interrupter with arc-extinguishing means. 2,588,195, Mar. 4.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Current distribution and control unit. 2,593,961, Apr. 22.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Heater and shunt mechanism for overload relays. 2,598,878, June 3.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Distribution unit for three-wire systems. 2,623,930, Dec. 30.

Balls, Arnold K.: *See*—
Schwimmer, Sigmund, and Balls.

Balluff, Edwin J., Livonia Township, Wayne County, Mich., assignor to Eureka Williams Corporation, Bloomington, Ill. Conversion arrangement for suction cleaners. 2,606,336, Aug. 12.

Balluff, Edwin J., assignor to Eureka Williams Corporation, Detroit, Mich. Conversion system for suction cleaners. 2,606,337, Aug. 12.

Balluff, Edwin J., Livonia Township, Wayne County, Mich., assignor to Eureka Williams Corporation, Bloomington, Ill. Drive interrupting means for suction cleaners. 2,616,119, Nov. 4.

Balluff, Ruth E., Staunton, Va. Combination wheel chain and bed. 2,607,929, Aug. 26.

Ballweber, Edward G.: *See*—
Adams, Chester E., Proell, and Ballweber.

Bally, Auguste: *See*—
Lepin, Maurice, and Bally.

Balma, Aldo, assignor to Balma, Capoduri & C., Voghera, Italy. Stapling machine. 2,580,505, Jan. 1.

Balma, Capoduri & C., assignee: *See*—
Balma, Aldo.

Balmer, John, St. Louis, Mo. Niggerhead. 2,585,991, Feb. 19.

Balmer, Oliver C.: *See*—
Grandinetti, Eugene, Rush, and Balmer.

Balogh, Roy O.: *See*—
Humpal, Eugene G., and Balogh.

Balogh, Roy O., Cleveland, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Ladder. 2,582,520, Jan. 15.

Balogh, Roy O., and E. G. Humpal, Cleveland, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Extension ladder and lock therefor. 2,615,609, Oct. 28.

Balon, Walter J., Carneys Point, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Water-soluble derivatives of unsulfonated lignin. 2,600,606, June 17.

Balsam, Henry M.: *See*—
Balsam, Maurice M. and H. M.

Balsam, M. M., Inc., assignee: *See*—
Balsam, Maurice M. and H. M.

Balsam, Maurice M. and H. M., assignors to M. M. Balsam, Inc., New York, N. Y. Punching machine. 2,582,094, Jan. 8.

Balsells, Salvador: *See*—
Soler, James, and Balsells.

Balshi, Andrew J., Catawissa, Pa. Sterilizer for feed bags and other articles. 2,590,367, Mar. 25.

Balsiger, Harold E., and C. C. W. Williams, assignors to Landis Tool Company, Waynesboro, Pa. Article feeding device. 2,609,914, Sept. 9.

Balsley, James R., Jr.: *See*—
Rumbaugh, Lynn H., Jensen, and Balsley.

Balstad, Edward, Milwaukee, Wis. Roller skate. 2,595,751, May 6.

Balthis, Joseph H., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of silica sols from finely divided silicon. 2,614,994, Oct. 21.

Balthis, Joseph H., Mendenhall, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Silica sols and preparation thereof from metallic silicon. 2,614,995, Oct. 21.

Balthis, Joseph H., Mendenhall, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymeric hydroxyl-containing titanium carboxylates and preparing same. 2,621,194, Dec. 9.

Balthrop, Edward S., Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Transferring yarn and apparatus therefor. 2,585,424, Feb. 12.

Baltimore Biological Laboratory, assignee: *See*—
Taylor, Harry E.

Baltosser, Robert W.: *See*—
Hawkins, James E., and Baltosser.

Baltzly, Richard, New York, and E. Lorz, Yonkers, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. N,N-dialkyl-quinoline-4-carboxamidines. 2,620,341, Dec. 2.

Bals, William G., Kalamazoo, Mich. Paper roll holder. 2,602,601, July 8.

Balzer, Abram P., and J. A. Stoesz, Mountain Lake, Minn. Vehicle unloading unit. 2,609,932, Sept. 9.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Toll switching telephone system. 2,596,833, May 13.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone call distributing system. 2,598,098, May 27.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Toll switching telephone system. 2,621,258, Dec. 9.

Balzer, Harvey W., Downers Grove, and J. E. Ostline, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,614,174, Oct. 14.

Bamber, Millard J., Cabin John, Md. Airplane pressure differential stall indicator. 2,596,116, May 13.

Bamberg, James B., Cleveland, Ohio. Adjustable door. 2,583,989, Jan. 29.

Bamert, Alois, Eschens, Switzerland. Rack for longitudinal bodies, such as bottles and the like. 2,622,741, Dec. 23.

Bamford, Charles F., Portland, Oreg. Machine for slicing veneer strips from wood blocks. 2,604,913, July 29.

Bamford, Joseph C., Jr., Paterson, and R. S. Colfax, Jr., Pompton Lakes, N. J. Hypodermic needle. 2,623,520, Dec. 30.

Bancroft, Charles, New Canaan, Conn. Steering mechanism for three-wheel vehicles. 2,615,727, Oct. 28.

Bancroft, George H., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum coating process and apparatus therefor. 2,584,660, Feb. 5.

Bancroft, Joseph, & Sons Co., assignee: *See*—
Billingsley, George A., Jr., and Hall.
Jones, Albert S., and Stackpole.
Lippert, Arnold L., and Hall.
Nuessle, Albert C., and Hall.

Bandel, David: *See*—
Feagin, Roy C., and Bandel.

Bandrowski, Jerzy I.: *See*—
Glass, George B., Bandrowski and Roehr.

Bandura, James, Astoria, R. J. Baisley, Hempstead, J. Pfeffer, New York, N. Y., and C. D. Keely, West Englewood, assignors to General Corrugated Machine Company Inc., Palisades Park, N. J. Box blank handling machine. 2,585,076, Feb. 12.

Bandwagon Manufacturing, Inc., assignee: *See*—
Breck, Luther A., Jr.

Bandy, Ira G., Detroit, Mich. Can opener. 2,587,090, Feb. 26.

Banes, Fred W.: *See*—
Arundale, Erving, Gleason, and Banes.

Banes, Fred W., Westfield, W. P. Fitzgerald, Elizabeth, and J. F. Nelson, Rahway, N. J., assignors to Standard Oil Development Company. Production of aliphatic acids. 2,585,723, Feb. 12.

Banes, Fred W., and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Copolymers of dimethyl itaconate and conjugated diolefins. 2,619,477, Nov. 25.

Banes, Fred W., Westfield, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Ductile acrylonitrile copolymers. 2,621,170, Dec. 9.

Banes, Fred W., and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Two-stage emulsion polymerization process. 2,623,032, Dec. 23.

Bangert, John T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor pulse divider. 2,595,208, Apr. 29.

Bangerter, Fred, St. Clair Shores, assignor to Herron-Zimmers Moulding Company, Detroit, Mich. Die assembly for striking tabs from moulding retainer strips or other similar workpieces. 2,613,743, Oct. 14.

Banides, Lucien, Ault, France. Self-acting lubricating cock. 2,594,611, Apr. 29.

Banister, Amos L.: *See*—
Hamilton, Joseph E., and Banister.

Banjamin, Fred: *See*—
Ranson, David H., and Banjamin.

Bank, Albert M., Jersey City, N. J. Fastening means for the ends of spring members used in furniture and the like. 2,593,831, Apr. 22.

Bank of Salem, The, administrator: *See*—
Moore, Thomas M.

Banker, Olin E., Wilkes-Barre, Pa. Cellar drain valve. 2,596,805, May 13.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Hydraulic valve tappet. 2,580,380, Jan. 1.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Driving and steering mechanism. 2,580,381, Jan. 1.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Hydraulic tappet. 2,580,382, Jan. 1.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change speed mechanism. 2,605,653, Aug. 5.

Banker, Oscar H., Evanston, Ill. Automatic chuck. 2,610,065, Sept. 9.

Bankers Trust Company, executor: *See*—
Maroth, Arthur M.

Banko, George, Euclid, Ohio. Counterbalance for optical projection viewer for machine tools. 2,591,227, Apr. 1.

Bankoff, Seymour G.: *See*—
Lyon, Richard N., Bankoff, and Smetana.

Bankoff, Seymour G., Terre Haute, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric tetrafluoroethylene dispersions. 2,612,484, Sept. 30.

Banks, Agnes F., Los Angeles, Calif. Liquid dispensing brush and valve structure therefor. 2,612,649, Oct. 7.

Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Vacuum pump suction control. 2,613,026, Oct. 7.

Banks, Ernest B., and K. P. Tota, Elmira, N. Y.; said Tota assignor to said Banks. Tumbling machine. 2,606,407, Aug. 12.

Banks, Ernest B., and K. P. Tota, Elmira, N. Y.; said Tota assignor to said Banks. Tumbling machine. 2,606,408, Aug. 12.

Banks, James F., Alexandria, Va. Rotatable bottleneck cleaning device. 2,605,489, Aug. 5.

Banks, Reginald M., New York, and R. W. Lahey, New Rochelle, assignors to American Cyanamid Company, New York, N. Y. Adhesive materials and assembling sheet materials. 2,599,359, June 3.

Banks, Robert L.: *See*—
Hogan, John P., and Banks.

Banks, William H., and P. B. Upton, assignors to The Printing and Allied Trades Research Association, London, England. Producing electroforms. 2,580,718, Jan. 1.

Banner, John F., Oakland, Calif. Apparatus for applying surface coatings. 2,620,768, Dec. 9.

Banner, Robert G.: *See*—
Perrin, Tom S., and Banner.

Bannerot, Richard A., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Catalytic dehydrogenation of hydrocarbon oils. 2,604,438, July 22.

Banning, Thomas A., Jr., Chicago, Ill. Synchronizing means for multimotored airplanes. 2,612,956, Oct. 7.

Bannister, Bryant, Pittsburgh, Pa. Fishing reel. 2,580,090, Jan. 1.

Bannister, Clyde E., Houston, Tex. Method and apparatus for setting a casing structure in a well hole or the like. 2,583,316, Jan. 22.

Bannister, Clyde E., Houston, Tex. Sample-taking and casing-perforating apparatus. 2,599,040, June 3.

Bannister, Clyde E., Houston, Tex. Apparatus for enlarging and straightening wellholes. 2,599,041, June 3.

Bannister, Clyde E., Houston, Tex. Excavating apparatus. 2,599,042, June 3.

Bannister, Clyde E., Houston, Tex. Load-sustaining and fluid-conducting hose. 2,600,607, June 17.

Bannon, John H., Cranford, N. J., assignor to Standard Oil Development Company. Slurry polymerization process. 2,596,975, May 20.

Bannon, Thomas C., assignee: *See*—
Spencer, Lloyd.

Banos, Alfredo, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cavity resonator. 2,600,186, June 10.

Banthin, John F., Bridgeport, Conn. Feeder and impression cylinder control for printing presses. 2,592,998, Apr. 15.

Banz, Friedrich, Erlenbach, near Zurich, Switzerland. Appliance for delivering plastic substances under high pressure. 2,616,130, Nov. 4.

Baptista, Americo, Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 2,610,335, Sept. 16.

Barabash, Elisabeth: *See*—
White, Blanche B., and Barabash.

Baracate, Stephen, Troy, N. Y. Infant's feeding device. 2,594,114, Apr. 22.

Barager, Ethel D., Buffalo, N. Y. Disposable bib. 2,617,104, Nov. 11.

Baranecky, Walter: *See*—
Cleland, Fred B., Baranecky, Kolk, and Wetzel.

Barany, Edmund, assignor to Ampro Corporation, Chicago, Ill. Clutch device. 2,585,725, Feb. 12.

Barany, Edmund, Chicago, and M. Sackter, Arlington Heights, assignor to Ampro Corporation, Chicago, Ill. Magnetic record body driving mechanism. 2,585,724, Feb. 12.

Barany, Edmund, Chicago, and M. Sackter, Arlington Heights, assignors to Ampro Corporation, Chicago, Ill. Erasing magnet assembly for magnetic recording and reproducing instruments. 2,617,890, Nov. 11.

Barbara, Jack L., Port Jervis, N. Y. Pipe and cigar holder attachment. 2,582,618, Jan. 15.

Barbara, Louis J., Woodside, M. M. Klein, Jackson Heights, N. Y., and B. Howard, North Arlington, N. J. Transmission apparatus. 2,603,425, July 15.

Barbato, Angelo J., Fort McPherson, Ga. Polishing device. 2,618,799, Nov. 25.

Bar-B-Buns, Incorporated, assignee: *See*—
Funke, Lawrence J.
Hall, Mitchell A.

Barber, Arnold E.: *See*—
Stewart, Richard A., and Barber.

Barber, Chester C., North East, Pa. Fishhook disgorging device. 2,603,027, July 15.

Barber-Colman Company, assignee: *See*—
Drake, Russell P.
Greenlee, Theodore K.
Hall, Donald L.
Herbster, George.
Kennedy, Walter W.
Lucas, James J.
Marcellus, Brooks.
Ransome, Stafford M.
Remich, Norman C.
Schach, Albert W.
Sweger, Russell P.

Barber, Edford E., New Haven, Conn. Post straightening jack. 2,596,976, May 20.

Barber, Everett M.: *See*—
Eastman, Du Bois, Barber, and Reynolds.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,595,914, May 6.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,595,915, May 6.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine production of synthesis gas. 2,605,175, July 29.

Barber-Greene Company, assignee: *See*—
Barber, Harry A.

Barber, Harold D.: *See*—
Hall, Earl D., and Barber.

Barber, Harry A., assignor to Barber-Greene Company, Aurora, Ill. Apparatus for finishing roads. 2,597,221, May 20.

Barber, Hiram L., Newton, and G. L. Sellars, Milford, Ohio. Apparatus for making applicator swabs. 2,618,027, Nov. 18.

Barber Oil Corporation, assignee: *See*—
Howell, Henry C.

Barber, Robert R., Idlewild, P. R. Powell, Baltimore, and B. A. Raetsch, Parkville, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strip material. 2,622,820, Dec. 23.

Barber, Ronald J., Erdington, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for the manufacture of pneumatic tires. 2,604,420, July 22.

Barber, William E., Woking, and J. O. Cole, Barnehurst, assignors to A. Wells & Company Limited, London, England. Antivibration mounting device. 2,600,090, June 10.

Barber, William E., Houston, and G. H. Allen, La Porte, Tex. Supporting and turning slip for pipe. 2,609,583, Sept. 9.

Barbery, Lucille M., assignor to Foley Manufacturing Company, Minneapolis, Minn. Sifter. 2,592,850, Apr. 15.

Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company, Chicago, Ill. Making paper containers. 2,602,383, July 8.

Barbieri, Luigi, Parma, Italy. Press for macaroni. 2,588,196, Mar. 4.

Barbieri, Nicholas: *See*—
Masi, Anthony, Jr., and Barbieri.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Jewelry article. 2,584,087, Jan. 29.

Barbin, Rene E., Beverly, Mass. Picnic table with adjustable top. 2,603,543, July 15.

Barbin, Rene E., Beverly, Mass. Knockdown stand for camping and picnics. 2,621,007, Dec. 9.

Barbour, Fenner S.: *See*—
Worthen, Eugene P., and Barbour.

Barch, William E.: *See*—
Latham, Haverman P., Barch, Steele, and Zuckerman.

Barch, William E., assignor to Standard Brands Incorporated, New York, N. Y. Flavoring materials and preparing the same. 2,594,379, Apr. 29.

Barclay, Charles W., Liverpool, England. Clip, fastener, and the like. 2,619,309, Nov. 25.

Barclay, Frank D., Jr., United States Navy. Jet reaction motor. 2,605,608, Aug. 5.

Barclay, Gaylord A., South Orange, N. J. Adjustable foundation garment. 2,593,832, Apr. 22.

Barcus, Edward L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,596,834, May 13.

Barcus, Edward L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Direction signaling device. 2,611,047, Sept. 16.

Barcus, Leonard F., Yonkers, N. Y., assignor to Farrand Optical Co., Inc. Reflex camera optical system, including telephoto lens and telescope finder. 2,604,832, July 29.

Barcy Manufacturing Company, assignee: *See*—
Barsano, John.

Bard, Calvin, assignor to Kwizz Kard Company, Tulsa, Okla. Card sorter. 2,587,682, Mar. 4.

Bard, Francis N., assignee: *See*—
Kuhn, Henry S.
Bardeen, John, Summit, and W. H. Brattain, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,586,597, Feb. 19.
Bardeen, John, Summit, and W. H. Brattain, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor amplifier and electrode structures therefor. 2,589,658, Mar. 18.
Bardeen, John, Summit, and W. H. Brattain, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor amplifier and electrode structures therefor. 2,617,805, Nov. 11
Bardet, Gérard, Paris, France. Device for filling receptacles with cylindrical articles. 2,592,642, Apr. 15.
Bardet, Gérard, Paris, France. Machine for the manufacture and delivery of parallelepipedal paperboard boxes. 2,600,954, June 17.
Bardet, Gérard, assignor to Société Anonyme dite: Machines Automatiques Bardet, Paris, France. Machine for valving bag blanks. 2,609,734, Sept. 9.
Bardill, John D., Hanover, N. H., assignor to the United States of America as represented by the Secretary of the Interior. Drilling overburden, unconsolidated rock formation or placer ground with low-temperature freezing fluids. 2,621,022, Dec. 9.
Bardwell, Martin W., Fayetteville, N. Y. Portable power wrench. Re. 23,589, Dec. 2.
Barecki, Chester J., assignor to American Seating Company, Grand Rapids, Mich. Chair. 2,609,034, Sept. 2.
Barefield, John D.: *See*—
Croft, Dennis M., Jr., and Barefield.
Baránvi, Béla, Stuttgart-Rohr, Germany. Steering device for motor vehicles. 2,622,690, Dec. 23.
Baretta, Emilio: *See*—
Legat, Robert C., and Baretta.
Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
Barford, Norman C., Southend, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge amplifier device employing hollow resonator. 2,591,910, Apr. 8.
Barfus, Irving, Brooklyn, N. Y. Spring canopy for pipes. 2,594,843, Apr. 29.
Barganz, Walter A.: *See*—
Buchholz, Arnold R., and Barganz.
Bargehr, Herman J., Chicago, Ill. Vehicle parking system. 2,598,750, June 3.
Bargen, William J., Waukegan, Ill. Desk. 2,612,421, Sept. 30.
Barger, George K.: *See*—
Jenkins, John G., Barger.
Jones, Lyman L.
Bargman, Theodore, Royal Oak, Mich. Sink construction. 2,588,464, Mar. 11.
Barham, Theophilus A., Sr., Norfolk, Va. Adjustable supporting leg. 2,591,999, Apr. 8.
Barican, Robert E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Recovery of sulfur compounds from petroleum. 2,584,248, Feb. 5.
Baring-Gould, Sabine L.: *See*—
MacCallum, Alan M., and Baring-Gould.
Baring-Gould, Sabine L., New York, N. Y., and W. H. Sleeper, Jr., Hackensack, assignors to Bendix Aviation Corporation, Teterboro, N. J. Radio-operated controller for all electric automatic pilots. 2,620,148, Dec. 2.
Baritz, Lenard, New York, N. Y. Fabric covered button construction. 2,586,904, Feb. 26.
Barkalow, Clare E.: *See*—
Kellogg, Spencer R., II, Hays, and Barkalow.
Barkalow, Clare E., Huntington, N. Y., assignor to The Sperry Corporation. Starting arrangement for gyroscopic instruments. 2,588,607, Mar. 11.
Barkalow, Clare E., Floral Park, N. Y., assignor to The Sperry Corporation. Gyro erecting mechanism. 2,603,095, July 15.
Barkalow, Clare E., Huntington, N. Y., assignor to The Sperry Corporation. Starting arrangements for gyroscopic reference instruments. 2,605,641, Aug. 5.
Barkalow, Clare E., Huntington, N. Y., assignor to The Sperry Corporation. Indicating instrument. 2,608,001, Aug. 26.
Barkas, Walter H., Menlo Park, and W. E. Buck, Inyokern, Calif. Interferometer gauge. 2,591,666, Apr. 8.
Barkdoll, Archie E., Wilmington, and G. M. Whitman, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic reduction of dicarbocyclic diamines. 2,606,927, Aug. 12.
Barkdoll, Archie E., C. D. Bell and E. R. Graef, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of amino alicyclic compounds. 2,606,928, Aug. 12.
Barkdoll, Joseph P.: *See*—
Avery, Henry A., and Barkdoll.
Barkdoll, Joseph P., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Adjustable margin regulating means for typing machines. 2,599,537, June 10.
Barker, Albert W., Billings, Mont. Animal weaner. 2,602,421, July 8.
Barker, Alvin, Cincinnati, Ohio. Greeting card or folder. 2,609,639, Sept. 9.
Barker, Clifford L., assignor to Walker, Crosweller & Company, Limited, Clyde Crescent, Cheltenham, England. Fluid mixing device. 2,585,726, Feb. 12.
Barker, Clifford L., assignor to Walker Crosweller & Company Limited. Cheltenham, England. Thermostatic fluid mixing device. 2,606,717, Aug. 12.
Barker Equipment Company, Inc., assignee: *See*—
Barker, Ralph B.
Barker, Eros V., assignor to The Perfection Steel Body Company, Galion, Ohio. Fertilizer heater and spreader. 2,597,052, May 20.
Barker, Frank, and W. E. Dean, Conway, Wash. Spray nozzle. 2,584,661, Feb. 5.
Barker, George E., Newport, Del., assignor to Elgin National Watch Company, Elgin, Ill. Nonspreading lubricant. 2,583,200, Jan. 22.
Barker, George P. Ipoh, Malaya. Bucket pin for dredging apparatus. 2,622,449, Dec. 23.
Barker, John H., Watertown, Conn. Ellipsograph. 2,623,286, Dec. 30.
Barker, John L., Norwalk, assignor to Eastern Industries, Incorporated, East Norwalk, Conn. Automatic range-shifting voltmeter. 2,606,943, Aug. 12.
Barker, John L., and B. J. Midlock, Norwalk, assignors to Eastern Industries, Incorporated, East Norwalk, Conn. Electronic circuit. 2,594,276, Apr. 29.
Barker, John L., Norwalk, and E. H. Eames, assignors to Eastern Industries, Incorporated, East Norwalk, Conn. Treadle controlled counting system. 2,603,419, July 15.
Barker, John W., Mount Vernon, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Sealing hydrocarbon conversion housings. 2,593,404, Apr. 22.
Barker, John W., Mount Vernon, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Converting hydrocarbon material. 2,621,148, Dec. 9.
Barker, Moore & Mein Company, assignee: *See*—
Santivasi, Vincent A.
Barker, Orrin W.: *See*—
Armitage, Joseph B., and Barker.
Barker, Paul L., Detroit, Mich. Child's stroller. 2,593,962, Apr. 22.
Barker Poultry Equipment Company, assignee: *See*—
Crane, Edward.
Crane, Edward J.
Barker, Seth S.
Sharp, Allen.
Sharp, Allen W.
Swanson, Oscar W.
Barker, Ralph B., assignor to Barker Equipment Company, Inc., Keosauqua, Iowa. Sectionalized bottle carrier. 2,589,526, Mar. 18.
Barker, Ray C., Denver, Colo. Azimuth ring printing stamp for maps. 2,582,943, Jan. 22.
Barker Saw Company, assignee: *See*—
Smith, Albert P.
Barker, Seth S., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Finger for chicken pickers. 2,603,830, July 22.
Barker, Sydney W., Colne, assignor to Lustrafil Limited, Nelson, England. Thread guiding apparatus. 2,596,520, May 13.
Barker, Sydney W., Colne, England, assignor to Lustrafil Limited. Apparatus for advancing strands. 2,599,603, June 10.
Barker, Virgil D., Westfield, N. J. Fluid displacement device. 2,617,360, Nov. 11.
Barker, Virgil D., Westfield, N. J., and C. D. Hudson, Chevy Chase, Md. Testing machine for ball bearings. 2,608,090, Aug. 26.
Barker, William M., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Alternate route system for centralized traffic control. 2,619,529, Nov. 25.
Barkis, Charles E., San Francisco, Calif., assignor, by mesne assignments, to General Electric Company. Trolley for electric power distribution system. 2,586,414, Feb. 19.
Barkle, John E., Jr.: *See*—
Shankle, Derrill F., Barkle.
Barkley, Dwight W., Cheswick, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Adjustable mounting for automobile rearview mirrors. 2,588,792, Mar. 11.
Barkow, Eugene V.: *See*—
Ashton, Benjamin N., and Barkow.
Barksdale, James, Blytheville, Ark. Cutterhead for wood-turning lathes. 2,588,465, Mar. 11.
Barksdale, Lilburn S., Burbank, assignor, by mesne assignments, to Saval Division of The William R. Whittaker Company, Ltd., Los Angeles, Calif. Fluid valve. 2,606,569, Aug. 12.
Barkstrom, Elmer E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Grooving machine. 2,614,463, Oct. 21.
Barkus, Homer A., San Diego, Calif. Adjustable lathe tailstock and combination tool. 2,607,105, Aug. 19.
Barlick, Sam, New York, N. Y. Mailbox and protective partition therefor. 2,623,689, Dec. 30.
Barling, Leslie C., Rosebank, Johannesburg Transvaal, Union of South Africa. Automatic valve. 2,599,426, June 3.
Barling, Leslie C., and G. R. Beith, Johannesburg, Transvaal, Union of South Africa. Float-operated mechanism. 2,615,174, Oct. 28.

Barlow, Benjamin W., Sudbury, Wembley, assignor to D. Napier & Son Limited, London, England. Internal-combustion engine. 2,601,584, June 24.
Barlow, Benjamin W., Sudbury, Wembley, and G. H. Murray, Pinner, assignors to D. Napier & Son Limited, London, England. Power transmission gearing. 2,587,131, Feb. 26.
Barlow, Benjamin W., Sudbury, and E. A. Simonis, Harrow, assignors to D. Napier & Son Limited, London, England. Bearing mounting. 2,602,009, July 1.
Barlow, Edward J.: *See*—
Hansen, William W., and Barlow.
Barlow, Israel O., Long Beach, and C. F. Mason, Fullerton, Calif. Surgical abdominal retractor. 2,623,517, Dec. 30.
Barnaby, James C., Short Hills, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic valve operating mechanism operable to vary valve lift and valve timing. 2,602,434, July 8.
Barnard, Clayton H., Cleveland, Ohio, assignor to Bailey Meter Company. Fluid heater temperature control system. 2,586,503, Feb. 19.
Barnard, John D., and A. Leverson, Le Sueur, Minn., assignors to Green Giant Company. Corn harvester. 2,614,378, Oct. 21.
Barnard, Norval J., assignor, by mesne assignments, to C. C. Weiss, Oklahoma City, Okla. Die for pipe tongs and making same. 2,609,720, Sept. 9.
Barnard, William F., Oak Park, Ill. Hanger arrangement for supplemental windows. 2,580,877, Jan. 1.
Barnebey, Herbert L., Richland Township, Allegheny County, and J. R. Shields, Pittsburgh, assignors to Blaw-Knox Company, Blawnox, Pa. Autoclave reactor. 2,582,899, Jan. 15.
Barnebl, August C., Chicago, Ill., and W. J. Riker, Englewood, N. J., assignors to Oliver United Filters Incorporated, Oakland, Calif. Ion exchange reactor. 2,595,627, May 6.
Barnes, Arthur H., Downers Grove, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrical generator. 2,588,466, Mar. 11.
Barnes, Beatie C.: *See*—
Holman, Harry R., and Barnes.
Barnes, Brown E., assignor to Hyster Company, Portland, Oreg. Lift truck. 2,595,120, Apr. 29.
Barnes, Byron H., San Marino, and B. S. Minor, Whittier, Calif. Piston. 2,587,091, Feb. 26.
Barnes, Byron H., San Marino, and B. S. Minor, Whittier, Calif. Slush pump piston. 2,615,769, Oct. 28.
Barnes, Carl L.: *See*—
Jones, Giffin D., and Barnes.
Barnes, Charles H., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Well packer. 2,603,294, July 15.
Barnes, Charles H., Glendale, and F. Grosse, Los Angeles, Calif., assignors, by mesne assignments, to Rubberset Company, Newark, N. J. Apparatus for making paint roller covers and the like. 2,600,955, June 17.
Barnes, Charles M., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,593,522, Apr. 22.
Barnes Drill Co., assignee: *See*—
Casson, Kenneth H., and Tyson.
Manning, Sheldon F.
Barnes, Elias B., Elkhart, Ind. Oil-burning air heater with means for draining spilled oil. 2,591,039, Apr. 1.
Barnes, Ethel T., Evanston, Ill. Hair curling device. 2,611,377, Sept. 23.
Barnes, Frederick J. T., Kingston-on-Thames, England. System and apparatus for sterilizing containers and filling them with a sterilized beverage. 2,609,984, Sept. 9.
Barnes, Fredrik R.: *See*—
Schmitt, Otto H., Fromm, Falls, Barnes, and Avery.
Barnes, George W., Jr., Clifton Heights, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Supply roll tension in a measuring instrument. 2,612,323, Sept. 30.
Barnes, James F., Chicago, Ill. Hand mirror and supporting handle. 2,584,829, Feb. 5.
Barnes, James F., Chicago, Ill. Clothes hanger. 2,595,442, May 6.
Barnes, James F., assignor to Barnes & Reinecke, Inc., Chicago, Ill. Measuring and dispensing device. 2,603,386, July 15.
Barnes, James F., Chicago, Ill. Integration of multiply web pads. 2,616,482, Nov. 4.
Barnes, James G., Rockville Centre, N. Y., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Detachable-label bag. 2,614,349, Oct. 21.
Barnes, James H., Dunn, N. C. Trim member for automobile wheel assemblies. 2,621,979, Dec. 16.
Barnes, Jeffery W., Farnborough, England. Gyroscope. 2,592,643, Apr. 15.
Barnes, Jeffery W., Farnborough, England. Gyroscope. 2,610,509, Sept. 16.
Barnes, Llewellyn T., Freeport, N. Y. Trimmer capacitor. 2,607,826, Aug. 19.
Barnes, Malcolm H., and E. L. McCandless, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Flame glossing rod-shaped single crystals of corundum. 2,608,031, Aug. 26.
Barnes, Marion D., New York, N. Y., assignor to Sparex Chemical Company. Pickling metals. 2,585,616, Feb. 12.
Barnes, Marion D., B. L. Embrey, and R. E. Koons, assignors to Lion Oil Company, El Dorado, Ark. Reducing the corrosion of ferrous metals by ammoniacal solution and corrosion inhibitor therefor. 2,613,131, Oct. 7.
Barnes, Marion W., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Heating apparatus. 2,598,879, June 3.
Barnes, Merian U., Miami, Fla. Washable handbag for women. 2,621,696, Dec. 16.
Barnes, Norman F., Schenectady, N. Y., assignor to General Electric Company. Color matching apparatus. 2,602,368, July 8.
Barnes & Reinecke, Inc., assignee: *See*—
Barnes, James F.
Barnes, Robert B.: *See*—
Stamm, Robert F., Mariner, Barnes, and Stryker.
Barnes, Robert B., Stamford, Conn., assignor to American Optical Company, Southbridge, Mass. Cathode-ray tube. 2,599,739, June 10.
Barnes-Shasta Pump Co., assignee: *See*—
Piccardo, Jack E.
Barnes, Thomas D., Glen Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Permanent-magnet damping assembly for integrating meters. 2,605,301, July 29.
Barnes, Tracy W., Webster Groves, assignor to John Ramming Machine Company, St. Louis, Mo. Power-operated universal chuck. 2,597,280, May 20.
Barnes, Walter C., Lake Bluff, and J. C. Dionne, Chicago, Ill. Flaw detector carriage. 2,602,109, July 1.
Barnes, William E.: *See*—
Chaney, Preston E., and Barnes.
Barnes, William E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Automatic shutoff valve. 2,590,918, Apr. 1.
Barnes, William J., Swarthmore, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Apparatus for charging metal ingots into molten metal. 2,605,006, July 29.
Barnet Instruments Limited, assignee: *See*—
Ealick, Victor G.
Barnett, Charles and W. Hatfield, England. Potato feeding machine. 2,589,762, Mar. 18.
Barnett, Daniel R., Long Beach, Calif. Diesel carburetor attachment. 2,607,570, Aug. 19.
Barnett, George: *See*—
Pritchett, Eric G. K., and Barnett.
Barnett, Gilbert J.: *See*—
Kirkman, William and Barnett.
Barnett, John W., Detroit, Mich. Punch and die set. 2,584,415, Feb. 5.
Barnett, Max, Brooklyn, N. Y. Rockable inner jaw wrench. 2,600,956, June 17.
Barnett, Vertus C., assignee: *See*—
McCall, Arthur B.
Barnett, William: *See*—
Barnett, Charles and W.
Barney, Ernest L., Lincoln, Nebr. Gun carrier. 2,588,467, Mar. 11.
Barney, Freeman, Spring Lake, assignor to The Challenge Machinery Company, Grand Haven, Mich. Movable form lock. 2,588,468, Mar. 11.
Barney, Freeman, Spring Lake, assignor to The Challenge Machinery Company, Grand Haven, Mich. Proof press. 2,592,379, Apr. 8.
Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of impedance of semiconductor amplifier circuits. Re. 23,563, Oct. 14.
Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of impedance of semiconductor amplifier circuits. 2,585,077, Feb. 12.
Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative resistance device utilizing semiconductor amplifier. 2,585,078, Feb. 12.
Barney, Mortimer D. and R. I., and E. A. Jordan, Prineville, Oreg. Lumber unstacking and distributing apparatus. 2,614,706, Oct. 21.
Barney, Robert I.: *See*—
Barney, Mortimer D. and R. I., and Jordan.
Barnhard, Harold J., assignor to Packease-Servease Corp., New York, N. Y. Food container. 2,618,563, Nov. 18.
Barnhardt Manufacturing Company, assignee: *See*—
Goldman, Joseph.
Barnhardtson, George E., North Providence, R. I. Drop hammer safety device. 2,584,534, Feb. 5.
Barnhart, E. R., assignee: *See*—
Clines, Edwin M.
Barnhart, George, Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of phthalocyanine coloring matters. 2,602,800, July 8.
Barnhart, George, Newark, Del., and R. W. Grimble, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinating phthalocyanine coloring matters. 2,586,598, Feb. 19.
Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Combination propelling and pickup handle for vacuum cleaners. 2,600,608, June 17.
Barnhart, Roy O., Wenatchee, Wash. Guide for portable cutoff saws. 2,620,835, Dec. 9.

Barnhart, William S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. 1,4-dibromo-2,3-dichloro-2-butene. 2,605,294, July 29.

Barnitz, Edward S.: *See*—
Hickman, Kenneth C. D., and Barnitz.

Barnum, Emmett R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Corrosion preventive composition. 2,587,955, Mar. 4.

Baron, Barnett, Bronx, N. Y. Spray atomizer. 2,617,686, Nov. 11.

Baron, Fred, assignor to Stetson China Company, Chicago, Ill. Machine for decorating china or the like. 2,597,968, May 27.

Baron Manufacturing Co., assignee: *See*—
Lepper, Charles E.

Barosso, Joseph A., Chicago, Ill. Combined dropper and bottle cap. 2,619,262, Nov. 25.

Barr, Arthur C.: *See*—
Oday, Arthur B., and Barr.

Barr, Courtland H., Los Angeles, Calif. Intravenous solution dispensing apparatus. 2,612,160, Sept. 30.

Barr, Frank T.: *See*—
Martin, Homer Z., and Barr.

Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Production of sulfur free water gas. 2,614,038, Oct. 14.

Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Gasifying solid fuels. 2,622,973, Dec. 23.

Barr, Frank T., Summit, B. E. Roethell, Cranford, and W. G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Gasifying carbonaceous fuels. 2,588,075, Mar. 4.

Barr, Frank T., Summit, and H. Z. Martin, Roselle, N. J., assignors to Standard Oil Development Company. Manufacture of gas mixtures containing carbon monoxide and hydrogen. 2,592,377, Apr. 8.

Barr, Glen G., assignor to Backstay Welt Company, Union City, Ind. Fender welt. 2,616,724, Nov. 4.

Barr, James A., Jr., Evanston, assignor to Armour and Company, Chicago, Ill. Iron oxide flotation process. 2,607,486, Aug. 19.

Barr, John L., Baltimore, Md. Cooler and carbonator. 2,601,493, June 24.

Barr, John L., Baltimore, Md. Liquid cooler. 2,610,485, Sept. 16.

Barr, William, Hamilton, and J. Erskine, Burnside, assignors to Colvilles Limited, Glasgow, Scotland. Bonding together of metals. 2,619,715, Dec. 2.

Barranco, Mabel, New York, N. Y. Cooking utensil cover. 2,606,686, Aug. 12.

Barrango, Carmen, San Francisco, Calif. Pivot joint. 2,617,671, Nov. 11.

Barras, Herbert, Baldwin, La. Drain digger and cleaner. 2,615,263, Oct. 28.

Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Electrical prospecting. 2,581,349, Jan. 8.

Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Transmitting and receiving apparatus for electromagnetic prospecting. 2,585,907, Feb. 19.

Barreteau, Félix L. H.: *See*—
Schlumberger, Marcel, Picard, and Barreteau.

Barrett, Arthur J., assignor of twenty-five per cent to C. T. Murphy and twenty-five per cent to P. L. Wolpert, Onawa, Iowa. Watchmaker's screwdriver sharpener. 2,592,000, Apr. 8.

Barrett, Arthur L., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Pivoted link chain. 2,623,398, Dec. 30.

Barrett, Arthur L., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Pivoted link chain. 2,623,399, Dec. 30.

Barrett, Arthur L., and L. G. Rollins, Franklin, assignors to Joy Manufacturing Company, Pittsburgh, Pa. Chain drive. 2,602,343, July 8.

Barrett, Arthur M., assignor to Barrett-Cravens Company, Chicago, Ill. Hand truck. 2,616,577, Nov. 4.

Barrett, Charles D., Altoona, Pa. Bolster spring and snubber means for railway car trucks. 2,613,075, Oct. 7.

Barrett-Cravens Company, assignee: *See*—
Barrett, Arthur M.

Barrett, Edwin W.: *See*—
Titus, Charles L., and Barrett.

Barrett, Dean E., and C. D. Lowery, assignors to The Huber Manufacturing Company, Marion, Ohio. Mulching and grading apparatus. 2,611,196, Sept. 23.

Barrett, Harold W., Boulder, Colo., assignor to The Chemical Foundation, Incorporated. Halo-thiouracils. 2,585,615, Feb. 12.

Barrett, Harry B., St. Louis, Mo. Brake shoe bonding machine. 2,609,310, Sept. 2.

Barrett, Harry B., St. Louis, Mo. Brake shoe relining device. 2,616,479, Nov. 4.

Barrett, Harry B., St. Louis, Mo. Brake shoe relining device. 2,616,480, Nov. 4.

Barrett, James S., assignee: *See*—
Hoyt, Karl R.

Barrett, John F., Indianapolis, Ind. Golf tee. 2,589,763, Mar. 18.

Barrett, Lawrence D., Glen Mills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine rotor construction. 2,621,018, Dec. 9.

Barrett, Leon, Philadelphia, Pa., assignor to Quick-Change Carriers, Inc. Guide tube. 2,580,991, Jan. 1.

Barrett, Peter A.: *See*—
Green, Nathaniel P., Barrett, and Bass.

Barrett, Ralph A., Cleveland, Ohio. Condensate unloader valve. 2,602,462, July 8.

Barrett, Robert W.: *See*—
Otto, Ferdinand P., and Barrett.

Barrett, Walter P., assignee: *See*—
Hunt, John W.

Barrett, William F., assignee: *See*—
Burke, George J.

Barrett, William H., International Falls, Minn., and B. K. Asdell, Metuchen, N. J., assignors to Minnesota and Ontario Paper Company, Minneapolis, Minn. Coating paper. 2,582,407, Jan. 15.

Barrett, William R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Clearance pocket type compressor piston. 2,596,004, May 6.

Barricini, Inc., assignee: *See*—
Domnitz, Herman.

Barrie Sportwear, Inc., assignee: *See*—
Egbert, Manuel.

Barrington, Edward W. J., Ealing, London, and E. E. Robinson, North Wembley, assignors to Rotax Limited, London, England. Lubricating device. 2,620,048, Dec. 2.

Barrington, John W., Rockville Centre, N. Y., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,608,904, Sept. 2.

Barrons, John, Kilsyth, Scotland. Orthopedic shoe. 2,599,970, June 10.

Barrott, William E., Jr., and W. E., Sr., Aurora, Ill. Casket carrying truck. 2,593,717, Apr. 22.

Barrott, William E., Sr.: *See*—
Barrott, William E., Jr., and W. E., Sr.

Barrow, James E., Borehamwood, England. Digital calculating machine. 2,611,530, Sept. 23.

Barrow, James R., assignor to The Columbiana Boiler Company, Columbiana, Ohio. Skid supported tank. 2,596,005, May 6.

Barrow, Wilmer L., Manhasset, N. Y. Biconical electromagnetic horn. 2,602,894, July 8.

Barrows, Donald S., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Journal box lid. 2,586,599, Feb. 19.

Barrows, Donald S., Rochester, assignor to The Symington Gould Corporation, Depew, N. Y. Railway truck. 2,590,360, Mar. 25.

Barrows, Donald S., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Railway truck. 2,621,611, Dec. 16.

Barrows, Donald S., and G. F. Couch, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,608,937, Sept. 2.

Barry, Aaron W., Grosse Pointe Farms, Mich. Scarifying applicator. 2,612,162, Sept. 30.

Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Siloxanes having hydrogen atom directly attached to silicon atoms. 2,590,812, Mar. 25.

Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Rendering water-wettable solid material water repellent and product resulting therefrom. 2,608,495, Aug. 26.

Barry, Arthur J., assignor to Dow Corning Corporation, Midland, Mich. Production of arylhalosilanes. 2,611,775, Sept. 23.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Copolymeric siloxanes. Re. 23,502, May 27.

Barry, Arthur J., Midland, L. De Pree, Holland, and D. E. Hook, assignors to The Dow Chemical Company, Midland, Mich. Preparation of phenyl silicon trichloride. 2,591,668, Apr. 8.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Carboxyphenylpolysiloxanes. 2,601,237, June 24.

Barry Corporation, The, assignee: *See*—
Crede, Charles E.
Lambert, Frank, Jr., and Crede.

Barry, David A.: *See*—
Pfeiffer, James H., and Barry.

Barry, David A., and J. H. Pfeiffer, New Brunswick, assignors to Nixon Nitration Works, Nixon, N. J. Method and apparatus for extruding tubes from thermoplastic compositions. 2,616,128, Nov. 4.

Barry, Gerald J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Radio receiver tuning indicator. 2,582,951, Jan. 22.

Barry, Gerald J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Illuminated tuning dial. 2,591,667, Apr. 8.

Barry, Joseph, Richmond Hill, N. Y. Window sash lock. 2,593,243, Apr. 15.

Barry, Joseph F., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Soldering apparatus for piezoelectric crystals. 2,608,745, Sept. 2.

Barry, Leon G., Whippany, assignor to United States Instrument Corporation, Summit, N. J. Rotary selector switch. 2,588,793, Mar. 11.

Barry, Leonard D., Detroit, Mich. Roller conveyer construction. 2,593,089, Apr. 15.

Barry, Robert E., Bethesda, Md. Disposable caulking gun. 2,587,683, Mar. 4.

Barry, Robert L., and C. C. Boesewetter, Downers Grove, assignors to Goodman Manufacturing Company, Chicago, Ill. Electrical measurement and recording of acceleration, velocity, and displacements of moving bodies. 2,598,668, June 3.

Barry, W. Chester, assignee: *See*—
Fisher, Frank.

Barry-Wehmiller Machinery Company, assignee: *See*—
Wehmiller, Paul K., and Nekola.

Barry, William F., Los Angeles, Calif. Pocketed ball game board. 2,620,191, Dec. 2.

Barsam, Arthur, Jr., Los Angeles, Calif. Reel and adapter therefor. 2,615,643, Oct. 28.

Barsano, John, assignor to Barcy Manufacturing Company, Chicago, Ill. Valve. 2,604,113, July 22.

Barsby, Edward S., and A. P. Saunders, assignors to Wildt and Company Limited, Leicester, England. Knitted fabric and making the same. 2,580,506, Jan. 1.

Barsby, Edward S., and A. P. Saunders, assignors to Wildt and Company Limited, Leicester, England. Knitting machine and the method of knitting thereon. 2,621,499, Dec. 16.

Barsel, Norman, assignee: *See*—
Fleischhacker, Desider, and Barsel.

Barsky, George, assignor to Freeport Sulphur Company, New York, N. Y. Production of hydrogen cyanide. 2,590,146, Mar. 25.

Barstow, Ormond, assignor to The Dow Chemical Company, Midland, Mich. Refractometer. 2,624,014, Dec. 30.

Barsy, Imre J., assignor to Armstrong Cork Company, Lancaster, Pa. Temperature-responsive device. 2,609,406, Sept. 2.

Bart, Thomas E., assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio. Water service fixture. 2,598,488, May 27.

Bart, Thomas E., assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio. Water service fixture. 2,600,187, June 10.

Bartch, James C., and G. W. Couch, Flat River, Mo. Sprout destroyer. 2,597,053, May 20.

Bartch, James C., Flat River, and G. W. Couch, Rivermines, Mo. Sprout destroyer. 2,580,640, Jan. 1.

Bartelink, Everhard H. B., Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Supervisory signaling circuits for carrier wave communication systems and the like. 2,601,425, June 24.

Bartelink, Everhard H. B., Bronxville, and E. Daskam, Jr., Franklin Square, N. Y., assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Supervisory signaling circuits for carrier wave communication systems and the like. 2,594,718, Apr. 29.

Bartelink, Everhard H. B., and S. W. Torode, Cambridge, Mass., and R. J. Walker, Washington, D. C., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Multivibrator saw-tooth generator. 2,605,406, July 29.

Bartels, Wilhelmus H. G., assignor to Chemische Fabriek L. Van Der Grinten, Venlo, Netherlands. Light sensitive positive printing diazotype paper having a calendered surface. 2,595,916, May 6.

Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Interlocked pressure roller and pad roller. 2,586,600, Feb. 19.

Bartelt, William, Campbellsport, Wis. Hen's nest. 2,619,934, Dec. 2.

Bartenfeld, Wilford G., Lakewood, Ohio. Ship tank top and hopper construction. 2,592,999, Apr. 15.

Bartes, August, Jr.: *See*—
Farrell, Robert A., Mueller and Bartes.

Bartfay, Rosella G., Cleveland, Ohio. Beauty shield. 2,599,152, June 3.

Bartfeld, James E.: *See*—
Stronkoff, Michael, and Bartfeld.

Bartgis Brothers Company, The, assignee: *See*—
Toensmeier, Patrick A.

Barth, David, New York, N. Y. Trimming and slitting machine for quilts and the like. 2,591,394, Apr. 1.

Barth, Jay E., Pitman, N. J., assignor to Radio Corporation of America. Movable carriage system for phonograph mechanism and the like. 2,608,456, Aug. 26.

Barth, Robert H.: *See*—
Burrell, Harry, and Barth.

Barth, Robert H., Ridgewood, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Tackifiers and softeners for synthetic rubbers and compositions containing the same. 2,611,752, Sept. 23.

Bartha, Stephan J., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Multivoltage train telephone system. 2,617,886, Nov. 11.

Barthel, Oliver E.: *See*—
Murray, Addie P., and Barthel.

Barthelemy, Rene, Fontenay aux Roses, assignor to Compagnie Pour La Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Coupling for cathode-ray tubes. 2,597,054, May 20.

Barthelmes, Albert J., assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla. Determining subsurface geological structure by seismic surveying employing refraction shooting. 2,596,463, May 13.

Bartholomew, Earl, Birmingham, Mich., assignor to Ethyl Corporation, New York, N. Y. Method and apparatus for supplying auxiliary fuel or antiknock fluid to internal-combustion engines. 2,616,404, Nov. 4.

Bartholomew, Earl, Birmingham, Mich., assignor to Ethyl Corporation, New York, N. Y. Enrichment device and controlling the same. 2,616,405, Nov. 4.

Bartholy, Frederick E., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Film developing reel. 2,619,300, Nov. 25.

Bartis, Frank, Chicago, Ill. Pneumatic arch support. 2,600,957, June 17.

Bartleman, Richard, San Francisco, Calif. Tool rack. 2,615,577, Oct. 28.

Bartleson, John D.: *See*—
Hughes, Everett C., and Bartleson.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricating oil additives. 2,584,977, Feb. 12.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Reaction product of an aliphatic amide and a phosphorus sulfide and lubricants containing the same. 2,614,075, Oct. 14.

Bartlett, C. O., & Snow Co., The, assignee: *See*—
Hersey, Herbert S.

Bartlett, Carl T., Muncie, Ind. Portable enclosure. 2,581,318, Jan. 1.

Bartlett, Eleanor P., Dover-Foxcroft, Maine. Folding wheeled carrier for suitcases. 2,613,950, Oct. 14.

Bartlett, Ernest, Calgary, Alberta, Canada. Pen clip. 2,588,692, Mar. 11.

Bartlett, James L., and J. R. Davis, assignors to The Trane Company, La Crosse, Wis. Fluid flow calculator. 2,597,609, May 20.

Bartlett, Jeffrey H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil additive. 2,612,475, Sept. 30.

Bartlett, Jeffrey H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating composition of low pour point. 2,618,602, Nov. 18.

Bartlett, Jeffrey H., Westfield, H. W. Rudel, Roselle Park, and E. B. Cyphers, Cranford, N. J., assignors to Standard Oil Development Company. Insecticidal compositions containing substituted aliphatic esters of diethyl dithiophosphoric acid. 2,611,728, Sept. 23.

Bartlett, Jeffrey H., Westfield, H. W. Rudel, Roselle Park, and E. B. Cyphers, Cranford, N. J., assignors to Standard Oil Development Company. Insecticidal compositions containing hydrocarbon esters of diethyl dithiophosphoric acid. 2,611,729, Sept. 23.

Bartlett, Lawrence D., Hartford, Ky. Twine dispenser. 2,580,878, Jan. 1.

Bartlett, Lawrence D., Hartford, Ky. Twine dispenser. 2,603,861, July 22.

Bartlett, Paul D., Weston, Mass., and B. C. McKusick, Wilmington, Del., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,584,105, Feb. 5.

Bartlett, Paul D., Weston, Mass., and H. J. Dauben, Jr., Seattle, Wash., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,605,208, July 29.

Bartlett, Percy, Swarthmore, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,606,262, Aug. 5.

Bartlett, Ralph G., Lakeland, Fla. Hand truck. 2,592,644, Apr. 15.

Bartlett, Thomas S., London, Ontario, Canada. Friction gearing. 2,596,359, May 13.

Bartlett, William E., Atlanta, Ga. Combination weather strip and sash balance. 2,609,572, Sept. 9.

Bartlett, William W., New York, N. Y. Railroad tie. 2,611,545, Sept. 23.

Bartley, Thomas R.: *See*—
Shaw, John M., Bartley, and Rosenfels.

Bartling, Loren E., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Nozzle support for spray booms. 2,605,140, July 29.

Bartling, Loren E., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Sprayer. 2,608,327, Aug. 26.

Bartmann & Bixer, Inc., assignee: *See*—
Bixer, Edmond P.
Halpern, Alan.

Barto, Charles F., Rochester, N. Y., assignor to United Last Company, Boston, Mass. Work holder for bandsawing. 2,594,277, Apr. 29.

Bartolat, Joseph J.: *See*—
Demick, Donald D., and Bartolat.

Bartoletti, Dante, assignor of one-half to C. W. Cunningham, Burgettstown, Pa. Antiskid chain for automobiles. 2,583,624, Jan. 29.

Bartolucci, Ben: *See*—
Schreier, Konrad F., and Bartolucci.

Barton, Albert V.: *See*—
Lacy-Hulbert, Cyril, and Barton.

Barton, Benjamin D., assignor to American Marsh Pumps, Inc., Battle Creek, Mich. Spray gun for fire apparatus and the like. 2,609,239, Sept. 2.

Barton, Benjamin D., assignor to American Marsh Pumps, Inc., Battle Creek, Mich. Spray gun for fire apparatus and the like. 2,621,076, Dec. 9.

Barton, Benjamin D., assignor to American Marsh Pumps, Inc., Battle Creek, Mich. Hose reel assembly. 2,621,870, Dec. 16.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Making mixtures of rubbery butadiene-styrene copolymer, hevea rubber, and carbon black. 2,623,024, Dec. 23.

Barton, Bernard C., Clifton, and E. E. Auer, East Orange, N. J., assignors to United States Rubber Company, New York, N. Y. Rubber surface treatment and article. 2,587,274, Feb. 26.

Barton, Bernard C., Clifton, and E. E. Auer, East Orange, N. J., assignors to United States Rubber Company, New York, N. Y. Rubber treatment and article. 2,619,431, Nov. 25.

Barton, Carl E., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Shot peening test fixture. 2,607,213, Aug. 19.

Barton, Clarence T., assignee: *See*—
Pickles, Joseph A.

Barton, Frederic D., San Francisco, Calif. Stop-leak preparation. 2,580,719, Jan. 1.

Barton, Hugh M., Fort Worth, Tex. Safety switch. 2,597,969, May 27.

Barton, Hugh M., Jr., Brooklyn, N. Y., assignor to Phillips Petroleum Company. Locatable pipe line scraper. 2,617,134, Nov. 11.

Barton, Jay P., assignor, by mesne assignments, to Defiance Automatic Screw Company, Defiance, Ohio. Closure actuated mechanical alarm. 2,600,609, June 17.

Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Remote-control system for radio apparatus. 2,602,851, July 8.

Barton, Loy E., and P. H. Werenfels, Princeton, N. J., assignors to Radio Corporation of America. Synchronizing apparatus for color signal sampling oscillators. 2,594,380, Apr. 29.

Barton, Murray M., assignor to Consolidated Equipment Co., Wichita, Kans. Molding apparatus. 2,600,958, June 17.

Barton, Norman, Blackley, Manchester, S. Birtwell, Leeds, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidylaminoquinolines. 2,585,909, Feb. 19.

Barton, Norman, Blackley, Manchester, S. Birtwell, Leeds, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Preparing diquaternary salts of pyrimidylamino quinolines. 2,585,910, Feb. 19.

Barton, Paul D., Phoenixville, assignor to Sun Oil Company, Philadelphia, Pa. Separating oil from water. 2,588,794, Mar. 11.

Barton, Theodore W., Rutherford, N. J. Metallic molding section. 2,585,727, Feb. 12.

Bartos, Jaroslav: *See*—
Velluz, Léon, Amiard, and Bartos.

Bartosz, Frank J., Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Forming a seam for uniting plies of sheet material. 2,593,090, Apr. 15.

Bartow Beacons, Inc., assignee: *See*—
Bartow, John B.

Bartow, John B., Blue Bell, assignor to Bartow Beacons, Inc., Philadelphia, Pa. Approach system for landing aircraft. 2,582,742, Jan. 15.

Bartow, Lewis F., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Pneumatic lift conduit and disengager vessel. 2,591,040, Apr. 1.

Bartram, Thomas W., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making agglomerates. 2,598,209, May 27.

Bartsch, Cornelius, Dinuba, Calif. Self-loading excavator. 2,587,092. Feb. 26.

Bartz, Frederick H., Oak Park, Ill. Photographically varying one dimension of an object with respect to another. 2,607,268, Aug. 19.

Barusch, Maurice R., Richmond, and J. Q. Payne, Concord, assignors to California Research Corporation, San Francisco, Calif. β-hydroxydialkyl peroxides. 2,605,291, July 29.

Barvitius, František, Prague, assignor of one-half to Metra, narodni podnik, Blansko, Czechoslovakia. Autographic recorder. 2,614,902, Oct. 21.

Basalt Rock Company, Inc., assignee: *See*—
McCall, Donald O.

Basca Manufacturing Co., Inc., assignee: *See*—
Wilson, John B.

Bascom, Frances: *See*—
Arundale, Erving, and Bascom.
Vanderbilt, Byron M., and Bascom.

Bascom, Henry, St. Louis, Mo. Shoeshine stand. 2,622,262, Dec. 23.

Bascom, Henry M., New York, N. Y., assignor to Stromberg-Carlson Company. Telephone substation equipment with variable antisidetone circuit. 2,584,830, Feb. 5.

Bascom, Hugh W., Panora, Iowa. Door. 2,607,408, Aug. 19.

Bascom, John D.: *See*—
Walker, Earl C., Elliott, and Bascom.

Basdekis, Costas H., Springfield, and E. F. Jackson, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Removal of amine inhibitors from unsaturated monomers. 2,609,387, Sept. 2.

Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Railway brake. 2,581,746, Jan. 8.

Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Journal box arrangement. 2,614,008, Oct. 14.

Bash, Francis E., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Vacuum tube electrode element. 2,586,768, Feb. 26.

Bash, Francis E., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Furnace element. 2,587,275. Feb. 26.

Bash, John M., Chicago, Ill. Degreasing and vibratory degreaser. 2,618,577, Nov. 18.

Bash, Thomas E., Carthage, Ind. Power-driven lawn mower. 2,604,747, July 29.

Basham, Raymond B., and C. W. Macune, assignors to Westronics, Inc., Fort Worth, Tex. Apparatus for locating binding areas around well casing. 2,604,181. July 22.

Basham, Raymond B., and C. W. Macune, assignors to Westronics, Inc., Fort Worth, Tex. Line measuring device with correcting mechanism. 2,604,526, July 22.

Bashara, Samuel F., Houston, Tex. Cushion for foot pedals. 2,584,831, Feb. 5.

Bashark, Nicholas, Dayton, Ohio, and D. Grant, Los Angeles, Calif. Valve packing construction. 2,583,539. Jan. 29

Bashford, Charles A.: *See*—
Mundy, Paul A., and Bashford.

Bashford Machine Company, assignee: *See*—
Mundy, Paul A., and Bashford.

Bashore, Quinter E., Covina, Calif. Box handling mechanism. 2,590,225, Mar. 25.

Basic Processes, Inc., assignee: *See*—
Irwin, Emmett M.

Basic Products Corporation, assignee: *See*—
Reynard, Chauncey G., and Hart.
Reynard, Chauncey G., and Hoover.

Basic Refractories, Inc., assignee: *See*—
Matirko, Chester A.
Rusoff, Samuel.
Schoenlaub, Robert A.

Basic Vegetable Products Co., assignee: *See*—
Magnuson, Roy M.

Basilewsky, Alexis: *See*—
Deprez, Charles, and Basilewsky.

Basilewsky, Alexis, New York, N. Y., assignor to Solvay & Cie, Ixelles-Brussels, Belgium. Anode device. 2,617,762, Nov. 11.

Basilewsky, Alexis, Watermael-Brussels, assignor to Solvay & Cie, Brussels, Belgium. Production of high concentration alkaline lyes. 2,588,469, Mar. 11.

Basinger, George W., Charlotte, N. C. Humidity controlling system. 2,602,589, July 8.

Baskerville, Benjamin J., deceased, Joliet, Ill., by The Sperry Corporation, New Holland, Pa., assignee. Hay baler feed mechanism. Re. 23,582, Nov. 18.

Baskerville, Benjamin J., Joliet, Ill.; M. K. Baskerville, R. A. Baskerville, M. A. Baskerville, F. A. Lennon, and W. J. Baskerville, heirs of said B. J. Baskerville, deceased, assignor to F. A. Lennon, Maywood, individually and as trustee for M. A. Baskerville, Joliet, W. J. Baskerville, Manhattan, and R. A. Baskerville, Symerton, Ill. Hay baler. 2,585,425, Feb. 12.

Baskerville, Margaret K., heir: *See*—
Baskerville, Benjamin J.

Baskerville, Marie A., heir, assignee: *See*—
Baskerville, Benjamin J.

Baskerville, Raymond A., heir: *See*—
Baskerville, Benjamin J.

Baskerville, Walter J., heir, assignee: *See*—
Baskerville, Benjamin J.

Bass, Eugene L.: *See*—
Green, Nathaniel P., Barrett, and Bass.

Bass, John R.: *See*—
Brown, Cicero C., and Bass.

Bass, John, New York, N. Y. Combination camera and developer. 2,580,720, Jan. 1.

Bass, Julius A., assignee: *See*—
Payne, Carlos B.

Bassereau, Georges, assignor to Societe Electro-Metallurgique du Planet, Paris, France. Manufacture of magnesium. 2,583,351, Jan. 22.

Bassett, Arthur W., Lawrence, Mass. Cleaning automobile radiators. 2,622,046, Dec. 16.

Bassett, Clifford S., executor: *See*—
Moyer, Charles L.

Bassett, Cyrus W.: *See*—
Vander Veer, John H., and Bassett

Bassett, Cyrus W., Port-au-Peck, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door operation control. 2,613,076, Oct. 7.

Bassett Furniture Industries, Incorporated, assignee: *See*—
Berry, William T., Jr.

Bassett, H. Y., assignee: *See*—
Carlson, Emil.

Bassick Company, The, assignee: *See*—
Claud-Mantle, Arthur.
Evans, Sanford.
Ferrer, Edwin R.

Bassin, Max: *See*—
Meyer, Ehler, and Bassin.

Bassindale, Isaac B., Grasscroft, near Oldham, assignor to Platt Brothers and Company, Limited, Oldham, England. Tuft-cutting mechanism for Axminster carpet looms. 2,619,987, Dec. 2.

Bassindale, Isaac B., Grasscroft, near Oldham, and F. B. Schofield, Longsight, Royton, near Oldham, assignors to Platt Brothers and Company Limited, Oldham, England. Loom for weaving tufted pile fabrics. 2,620,834, Dec. 9.

Bassinger, Ross: *See*—
Harrison, Harry W., and Bassinger.

Bassinger, Ross, Houston, Tex. Percussion tool. 2,584,978, Feb. 12.

Bassinger, Ross, Houston, Tex. Percussion tool. 2,584,979, Feb. 12.

Bassinger, Ross, Houston, Tex. Percussion tool for wells. 2,619,324, Nov. 25.

Bassist, Ellis, Brookline, Mass., assignor, by mesne assignments, to A. B. Dick Company, Niles, Ill. Inking mechanism for rotary lithographic presses. 2,588,470, Mar. 11.

Basso, Joseph, Owosso, Mich. Ski sled. 2,589,764, Mar. 18.

Basso, Michael J., assignee: *See*—
Liley, John W.

Basson, Arthur O., Capital Park, Pretoria, Transvaal, Union of South Africa. Pencil sharpener. 2,593,649, Apr. 22.

Bastian-Blessing Company, The, assignee: *See*—
Blaydes, Norman S.
Frederick, Raymond R.
Levings, Sherburne D.
Mills, Ellsworth L., and Zimmer.
Skalles, Thomas J., and Zimmer.

Bastian Bros. Co., assignee: *See*—
Bastian, Theron E., Hellaby, and Strollis.
Bastian, Theron E., and Strollis.

Bastian, Richard R., Toledo, and G. Berkebile, Waterville, assignors to Lucas Development, Inc., Toledo, Ohio. Apparatus for drawing glass fibers. 2,586,774, Feb. 26.

Bastian, Theron E., Irondequoit, and E. A. Strollis, assignors to Bastian Bros. Co., Rochester, N. Y. Wire-pointing mechanism. 2,598,656, May 27.

Bastian, Theron E., Irondequoit, J. A. Hellaby, and E. A. Strollis, assignors to Bastian Bros. Co., Rochester, N. Y. Automatic button-pinning machine. 2,612,796, Oct. 7.

Bastien, Roy C., St. Albans, assignor to Fish-Schurman Corporation, New York, N. Y. Light projecting apparatus. 2,587,956, Mar. 4.

Bastin, Laurent, Roubaix, France. Winding apparatus for the web divider of finisher cards. 2,608,724, Sept. 2.

Bašus, Jiří, Prague, assignor to The Skoda Works, Pilsen, Czechoslovakia. Apparatus for introducing cigarettes from a magazine into vertical channels. 2,618,421, Nov. 18.

Bata, narodni podnik, assignee: *See*—
Chmelař, Vaclav.
Dyják, Adolf.
Kruzik, Arnošt.
Landa, Stanislav, and Němeček.
Moravec, Jan.
Václavík, Jaroslav.
Zmorral, Josef, and Ostrčil.

Bataille, Pierre E., Emeville, assignor to Societe des Carrieres de l'Oise et de la Meuse, Crepy-en-Valois, Oise, France. Machine for mining tender stones or other mineral substances. 2,582,521, Jan. 15.

Bataille, Roger, and G. Honorat, assignors to Societe Francaise des Telecommunications, Neilly-sur-Seine, France. Double heterodyne radio receiver. 2,606,285, Aug. 5.

Batcha, John J., Detroit, Mich. Writing game planchette. 2,593,244, Apr. 15.

Batchelder, George E.: *See*—
Waters, Russell M., and Batchelder.

Batchelder, George E., Pittsburgh, Pa., and W. E. Macneil, Dorchester, Mass., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Timer. 2,584,106, Feb. 5.

Batcheller, Hugh W., Newton Highlands, Mass. Spade connector. 2,600,188, June 10.

Batcheller, Hugh W., Newton Highlands, Mass. Solderless electrical conductor clamp. 2,600,189, June 10.

Batcheller, Hugh W., Newton, Mass. Electric connector female member. 2,600,190, June 10.

Batcheller, Hugh W., Newton Highlands, Mass. Electric switch for door jambs. 2,605,374, July 29.

Batchelor, Clyde S., H. J. Cofek, and F. S. Walker, Bridgeport, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Reinforced brake lining and making same. 2,604,425, July 22.

Batchelor, Robert L., Tenafly, N. J. Shoe cleaning and sterilizing device. 2,602,724, July 8.

Bate, Alan, Riverton, assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Thermostatically controlled electric iron for dry and steam ironing. 2,609,625, Sept. 9.

Bateman Co., Inc., assignee: *See*—
Thames, Bonnie W.

Bateman, Edgar W., Salisbury, and W. Fletcher, Mirfield, England, assignors to Waeco Limited. Dispersion or dissemination of insecticides, fungicides, weed killers, or the like. 2,606,095, Aug. 5.

Bateman, Franklin O.: *See*—
Cruce, Thomas M., and Bateman.

Bateman, James A.: *See*—
Lehman, Harry A., Bateman, and Bateman.
Lehman, Harry A., Bateman, W. W. and J. A.

Bateman, Norman S., assignor to Construction Improvements Limited, Toronto, Ontario, Canada. Cableway. 2,601,585, June 24.

Bateman, Ralph C.: *See*—
Lepp, Gerhard J., Bateman, and Emberson.

Bateman, Ralph C., Akron, Ohio. Torsional equalizer suspension device. 2,600,462, June 17.

Bateman, William W.: *See*—
Lehman, Harry A., Bateman, and Bateman.
Lehman, Harry A., Bateman, J. A. and W. W.

Bateman, William W., Mineral Wells, Tex. Container icing machine. 2,607,520, Aug. 19.

Bates, Albert H., assignor to Burd Piston Ring Company, Rockford, Ill. Supporting rack. 2,606,671, Aug. 12.

Bates, C. J., & Son, assignee: *See*—
Owens, Dovie A.
Suessman, Ernest H.

Bates, Emile B., Leicester, England. Marking machine for marking web material. 2,586,905, Feb. 26

Bates, Emile B., Leicester, England. Apparatus for milling fabrics. 2,599,804, June 10.

Bates, Ernest N., and R. V., Detroit, Mich. Liquid spray device. 2,608,439, Aug. 26.

Bates, Harold: *See*—
Groombridge, Walter H., Bates and Fisher.

Bates, John R., Los Angeles, Calif. Gravity illustrating toy. 2,603,885, July 22.

Bates, John R., Swarthmore, Pa., and G. R. Bond, Jr., Paulsboro, N. J., assignors to Houdry Process Corporation, Wilmington, Del. Preparing a silica-zirconium oxide catalyst for the conversion of hydrocarbons. 2,580,641, Jan. 1.

Bates, Mortimer F., Brooklyn, assignor to The Sperry Corporation, Great Neck, N. Y. Helicopter control apparatus. 2,606,622, Aug. 12.

Bates, Myron H.: *See*—
Unger, Magnus, and Bates.

Bates, Norma L. and R. D., Auburn, Wash. Pneumatic juice extractor. 2,612,100, Sept. 30.

Bates, Ray D.: *See*—
Bates, Norma L. and R. D.

Bates, Rex V.: *See*—
Bates, Ernest N., and R. V.

Bates, William A., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Recovery of zinc values by selective flotation of sulfide ores. 2,594,612, Apr. 29.

Bates, William A., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Agglomerate tabling of tungsten bearing ores. 2,607,479, Aug. 19.

Bates, William F., South Pasadena, J. N. Gregory, La Habra, and C. S. Penfield, Bakersfield, assignors to Shell Development Company, San Francisco, Calif. Drilling rig substructure. 2,594,847, Apr. 29.

Bates, William F., South Pasadena, J. N. Gregory, La Habra, and A. H. Curry, Wilmington, assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for installing drilling equipment. 2,598,099, May 27.

Bates, Wilmot S., assignor to Ellison Bronze Company, Inc., Jamestown, N. Y. Balanced door organization with pressure release. 2,581,783, Jan. 8.

Batesville Casket Company, The, assignee: *See*—
McEwan, James J.

Bath, John C., Worcester, and E. L. Ackley, Northboro, assignors to John Bath & Company, Worcester, Mass. Adjustable and retractable internal thread gauge. 2,595,917, May 6.

Bath, John, & Company, assignee: *See*—
Bath, John C., and Ackley.

Batho, William F.: *See*—
Zimmer, Albert E., and Batho.

Batista, Claudio P., Mexico City Mexico, assignor to W. Lewith, Charlotte, N. C. Attenuating apparatus. 2,597,850, May 27.

Batiuk, Martin, and H. G. Shively, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Heating dielectric materials and apparatus therefor. 2,599,360, June 3.

Batlin, L., & Son, Inc., assignee: *See*—
Gessmann, Edmund G.

Batori, Oscar E., New York, N. Y. Navigational computer of the slide rule type. 2,585,618, Feb. 12.

Batson-Cook Company, assignee: *See*—
Ball, Gaines L.
Ball, Gaines L.

Batt, George H.: *See*—
Jernakoff, Michael A., Batt, and Sankowsky.

Battaglia, Peter A., assignee: *See*—
Martin, George F.

Battaglia, Alfred G.: *See*—
McGaffin, Ralph C., and Battaglia.

Battelle Development Corporation, assignee: *See*—
Jaffee, Robert I.
Lepp, Jack M., and Slyh.
Paskell, Ernest.
Rebman, Jack.
Wise, Edward N.

Batten, Percy H., trustee, assignee: *See*—
Åhlén, Karl G.
Allen, Charles M., and Dayton.
Boestad, Gustav K. W.
Boestad, Gustav K. W., and Lindhagen.
Nilsson, Hans R.
Wahlsten, Gösta L. B., and Boestad.

Battersby, James E., assignor to Masson Scott & Company Limited, London, England. Mounting of rotary cutting means for paper, card, and the like. 2,582,522, Jan. 15.

Battersby, James E., assignor to Masson Scott & Company Limited, London, England. Apparatus for cutting sheets from webs of carboard, paper, and the like. 2,613,741, Oct. 14.

Battersby, James E., assignor to Masson Scott & Company Limited, London, England. Drive for a rotary member. 2,623,397, Dec. 30.

Battey, Alexander J., Skaneateles, assignor to Auburn Spark Plug Co., Incorporated, Auburn, N. Y. High-temperature quick action thermocouple. 2,581,229, Jan. 1.

Battey, Alfred P., Reigate, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Intaglio printing machine. 2,585,617, Feb. 12.

Battilana, Emilio, Genoa-Cornigliano, assignor, by mesne assignments, to Soc. Per Azioni Stabilimenti Elettromeccanici Riuniti Ansaldo San Giorgio, Genoa, Italy. Current responsive acceleration control for electric motors. 2,598,669, June 3.

Battista, Orlando A., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Novel yarn and making same. 2,621,392, Dec. 16.

Battistin, Ferdinando, assignee: *See*—
Drago, Gian G.

Battle, Richard, Los Angeles, Calif. Garment hanger. 2,582,669, Jan. 15.

Battle Creek Bread Wrapping Machine Company, assignee: *See*—
Smith, John W.
Willbrandt, Franklin M.

Battles, Ralph A., El Monte, assignor of fifty per cent to W. R. Battles, Redondo Beach, Calif. Vehicle seat convertible to a bed. 2,598,100, May 27.

Battles, Stewart S., Galesburg, Ill., and H. Verson, assignors, by mesne assignments, to Diamond Machine Tool Company, Los Angeles, Calif. Machine tool press. 2,608,253, Aug. 26.

Battles, Willis R., assignee: *See*—
Battles, Ralph A.

Battles, Willis R., Redondo Beach, Calif. Vehicle seat convertible to bed. 2,602,486, July 8.

Batts, Charles C., Elizabeth City, Va. Vacuum cleaner support. 2,595,752, May 6.

Batty, Bernard, Indianapolis, Ind. Smoker's pipe. 2,614,568, Oct. 21.

Batzle, Joseph H., Wauwatosa, Wis. Garment carrying rack for automobiles. 2,583,806, Jan. 29.

Bauberger, Charles W., Malverne, N. Y. Hot and cold water mixing faucet with single handle. 2,596,464, May 13.

Bauck, Hans J.: *See*—
Pedersen, Knut H., and Bauck.

Baudinière, Gilbert, Paris, France. Nitric acid and bisulfite digestion of fibrous vegetable material. 2,597,430, May 20.

Baudry, René A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cutout coupling. 2,608,071, Aug. 26.

Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fretting corrosion preventing means. 2,597,055, May 20.

Bauer, Alfred, Le Locle, Switzerland. Stamping machine. 2,589,659, Mar. 18.

Bauer, Alfred, Le Locle, Switzerland. Equipment for striking type characters. 2,612,836, Oct. 7.

Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Phonograph stylus. 2,583,289, Jan. 22

Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Directional microphone. 2,587,684, Mar. 4.

Bauer, Clarence R., Irvington, N. J. Trap for intravenous injection apparatus. 2,597,699, May 20.

Bauer, Dale A., assignee: *See*—
Martone, Joseph.

Bauer, Edmund S., Jr., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Friction elements from the reaction product of melamine, formaldehyde and toluene sulfonamide. 2,614,091, Oct. 14.

Bauer, Edward L., Austin, Tex. Perpetual calendar. 2,588,795, Mar. 11.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand package arbor. 2,616,631, Nov. 4.

Bauer, Ernest K., and W. E. James, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Bobbin cutter. 2,609,876, Sept. 9.

Bauer, George C., Bayville, N. Y. Lamp vaporizer. 2,588,471, Mar. 11.

Bauer, George J.: *See*—
Bremer, Frederick J., and Bauer.

Bauer, Jordan V., Elmwood Park, and R. H. Curtis, St. Charles, Ill. Filter element. 2,599,604, June 10.

Bauer, La Verne N.: *See*—
Neher, Harry T., Bauer, and Van Horne.
Neher, Harry T., Van Horne, and Bauer.

Bauer, La Verne N., and W. L. Van Horne, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Vinyl stearate allyl laurate copolymers. 2,600,382, June 17.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers from allyl esters and methacrylic esters. 2,600,383, June 17.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Vinyl ester copolymers. 2,600,384, June 17.

Bauer, La Verne N., and W. L. Van Horne, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Vinyl esters copolymers. 2,600,385, June 17.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Maleate-vinyl laurate copolymers. 2,600,386, June 17.

Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Gear testing machine. 2,582,408, Jan. 15.

Bauer, Oscar W., and J. W. Teter, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Insect repellents containing a chlorobutyroamide. 2,587,957, Mar. 4.

Bauer, Russell E., Detroit, Mich. Measuring gauge. 2,592,840, Apr. 15.

Bauer, Russell L.: *See*—
Adams, James F., Bauer, and Taylor.

Bauer, Walter C.: *See*—
Briggs, Southwick W., Bauer, and Ewbank.

Bauerle, Paul J., Flushing, N. Y. Precision measuring tool. 2,594,844, Apr. 29.

Bauerle, Robert, Chicago, and R. L. Wagner, Evanston, assignors to Bauerle and Wagner, Chicago, Ill. Vibrating car unloading device. 2,621,813, Dec. 16.

Bauerle and Wagner, assignee: *See*—
Bauerle, Robert, and Wagner.

Bauernfeind, Jacob C.: *See*—
Boruff, Clair S., Stone, Bauernfeind, and Garey.

Bauger, Louis A. J., Vanves, assignor to Société Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Gas turbine engine with resonating combustion chambers. 2,593,523, Apr. 22.

Bauger, Louis A. J., Vanves, assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Adjustable inlet device for compressors. 2,606,713, Aug. 12.

Baughan, Herbert A., Mount Olive, N. C. Dental matrix band. 2,607,117, Aug. 19.

Baughman, George W., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Ground detecting apparatus. 2,623,107, Dec. 23.

Baughman, John L., Milwaukee, Wis. Air-conditioning and vaporizing fan. 2,608,436, Aug. 26.

Baughman, Ray G., Linton, assignor of one-half to R. H. Sherwood, Indianapolis, Ind. Coal drier. 2,619,739, Dec. 2.

Baule, Gerhard H. J., Salina, N. Y. Transmission mechanism. 2,595,628, May 6.

Baule, Gerhard H. J., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Ejector mechanism for automatic bar feeds. 2,601,494, June 24.

Baum, Frederick W., Scarsdale, N. Y., assignor to Mechanical Equipment Corp., Paterson, N. J. Dental mold tray. 2,611,959, Sept. 30.

Baum, Joseph, New York, N. Y. Mounting means for tubular members. 2,613,051, Oct. 7.

Baum, W. A., Co., Inc., assignee: *See*—
Baum, William A., and Hanafin.

Baum, William A., Forest Hills, and B. M. Hanafin, Kew Gardens, assignors to W. A. Baum Co., Inc., New York, N. Y. Sphygmomanometer cuff. 2,618,269, Nov. 18.

Bauman, Frank M.: *See*—
Beyer, Henry O., and Bauman.

Bauman, Harold A., Forest Hills, and C. P. Xenis, Douglaston, N. Y. Cigarette lighter. 2,605,380, July 29.

Bauman, Harold W., Chicago, and M. Sackter, Arlington Heights, assignors to Ampro Corporation, Chicago, Ill. Magnetic instrument high-speed reel drive. 2,589,660, Mar. 18.

Bauman, Jack L.: *See*—
Blaydes, Frederick T., and Bauman.

Bauman, William C., Hayward, Calif. Antiglare housing for head lamps. 2,584,181, Feb. 5.

Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Production of alkali metal hydroxides by exchange of ions. 2,606,098, Aug. 5.

Bauman, William C., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Anion exchange resins and process. 2,601,202, June 17.

Bauman, William C., and R. McKellar, assignors to The Dow Chemical Company, Midland, Mich. Anion exchange resins. 2,614,099, Oct. 14.

Baumann, Alvin J., Reedsville, Wis. Window structure. 2,607,962, Aug. 26.

Baumann, Arnold W., Chicago, Ill. Condensate separator. 2,590,226, Mar. 23.

Baumann, Arthur C., Philadelphia, Pa. Space heater. 2,606,014, Aug. 5.

Baumann, Edward W., Deming, N. Mex. Scarf joint for railroad rails. 2,598,101, May 27.

Baumann, Fritz, Leverkusen-Bayerwerk, and B. Bienert, Leverkusen-Wiesdorf, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Vat dyeing compositions, including a mixture of cobalt phthalocyanine dyes. 2,613,128, Oct. 7.

Baumann, Harry P., Milwaukee, Wis. Protective device. 2,601,426, June 24.

Baumann, Werner, Paris, France. Two-stroke cycle internal-combustion engine. 2,594,845, Apr. 29.

Baumat, A. G., assignee: *See*—
Maculan, Rudolf.

Baumbach, Edward W., Kirkwood, Mo. Foot brush. 2,591,331, Apr. 1.

Baumbach, Richard C., assignor of one-half to I. Frey, Cincinnati, Ohio. Marking garments for identification. 2,610,419, Sept. 16.

Baumberger, Walter E., San Francisco, Calif. Combination game board and playing disk. 2,603,489, July 15.

Baumberger, Willy: *See*—
Müller, Josef, Patry, Baumberger, and Klein.

Baumeister, George R., Boston, assignor to Lacene Manufacturing Company, Cambridge, Mass. Leather splitting method and apparatus. 2,583,924, Jan. 29.

Baumer, Richard A., Huron, Ohio. Corner guide and line supporting device for masonry constructions. 2,583,990, Jan. 29.

Baumer, Stig G. A., Traneberg, Sweden, assignor to Gerhard Ludvigsen, Oslo, Norway. Distance meter. 2,606,367, Aug. 12.

Baumgardner, Ross H.: *See*—
Perry, Richard D., and Baumgardner.

Baumgart, Elmer F., and G. E. Willard, Danville, Ill. Air compressor. 2,613,027, Oct. 7.

Baumgartner, Cecil A., Maywood, N. J., and A. W. Ferguson, Great Neck, N. Y., W. J. Koch, Midland Park, and R. A. Mutter, Hawthorne, assignors to Sipp-Eastwood Corporation, Paterson, N. J. Device for tensioning elongated flexible material. 2,608,362, Aug. 26.

Baumgartner, Frederick N.: *See*—
Lippincott, Samuel B., Baumgartner, and Yowell.

Baumgartner, George R., South Euclid, Ohio, assignor to General Electric Company. Luminaire for elongated tubular lamps. 2,619,583, Nov. 25.

Baumgartner, John R., assignor to Mercury Engineering Corporation, Milwaukee, Wis. Paper-cutting apparatus. 2,589,033, Mar. 11.

Baumgartner, John R., Milwaukee, Wis. Paper web guide mechanism. 2,595,325, May 6.

Baumgartner, John R., Milwaukee, Wis. Web feeding mechanism for carton blank forming machines. 2,616,689, Nov. 4.

Baumgartner, Luther L., Hastings, assignor to The B. F. Goodrich Company, New York, N. Y. Herbicidal compositions containing chlorinated aryl esters of aliphatic monocarboxylic acids. 2,594,278, Apr. 29.

Baumheckel, William M., Indianapolis, Ind. Apparatus for supplemental selective feeding of water and alcohol in an engine fuel feed device. 2,606,537, Aug. 12.

Baumi, Martin A., assignee: *See*—
Benke, William.

Baur, Anthony A., Monroe, La. Necktie carrier. 2,612,257, Sept. 30.

Baur, Anthony A., Monroe, La. Necktie press and holder. 2,612,258, Sept. 30.

Baur, Fredric J., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Mixed triglycerides. 2,615,160, Oct. 21.

Baur, Fredric J., Wyoming, and W. Lange, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Plastic shortenings and producing same. 2,614,937, Oct. 21.

Bausch, Evan J., and W. W. Mulanax, Hoyt, assignors to B-M-B Company, Inc., Holton, Kans. Saw attachment for tractors. 2,588,953, Mar. 11.

Bausch & Lomb Optical Company, assignee: *See*—
Boughton, Olin W.
Boughton, Olin W., and Filsinger.
Gay, Fred G., Jr., and McCulloch.
Jones, Burr W.
Jones, Burr W., and Schelling.
Levin, Aaron A.
Stegeman, Raymond F. E.
Street, Donald T.
Turner, Arthur F.
Turner, Arthur F., and Ullrich.

Bawden, Henry H., and R. E. Jenkins, Granger, Utah. System and apparatus for handling grain. 2,613,799, Oct. 14.

Baxter Brothers & Company Limited, assignee: *See*—
Garnett, James C.

Baxter, Don, Inc., assignee: *See*—
Gossett, Fred C.

Baxter, George E., Grand River, assignor to Diamond Alkali Company, Cleveland, Ohio. Making vinyl chloride. 2,585,911, Feb. 19.

Baxter, James G., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Formylating tocopherol material. 2,592,531, Apr. 15.

Baxter, James G., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Treating tocopherols. 2,596,090, May 13.

Baxter, James G., and H. M. Kascher, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Concentration of vitamin A esters. 2,584,662, Feb. 5.

Baxter, Joseph, Jr., Franklin, assignor to The Black-Clawson Company, Hamilton, Ohio. Centrifugal separator. 2,622,795, Dec. 23.

Baxter, Kirby, assignor, by mesne assignments, of one-half to E. M. White, Cleveland, Ohio. Safety ladder bracket. 2,615,665, Oct. 28.

Baxter, Mason, San Francisco, assignor to J. D. Akins, Los Angeles, Calif. Heat insulating material. 2,598,102, May 27.

Baxter, Philip, Davyhulme, Manchester, England, assignor to General Electric Company. Volt-ampere meter. 2,614,139, Oct. 14.

Baxter, Thomas R., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Colostomy device. 2,581,319, Jan. 1.

Bayard, Robert T., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ionization vacuum gauge. 2,605,431, July 29.

Bayer, Anna, North Haven, assignor to The Strouse, Adler Company, New Haven, Conn. Foundation garment. 2,620,473, Dec. 9.

Bayer, Charles H., Wynnewood, Pa., assignor to General Electric Company. Pivot end contact for electric disconnecting switches. 2,610,270, Sept. 9.

Bayer, Elton A., Sioux Falls, and L. D. Langdon, Centerville, S. Dak. Hand truck and lift. 2,598,489, May 27.

Bayer, Frank C.: *See*—
Noon, T Cyril, and Bayer.

Bayer, Oldřich: *See*—
Václavík, Jaroslav, and Bayer.

Bayer, Otto: *See*—
Rickert, Hans F., Stein, and Bayer.

Bayers, George W., assignee: *See*—
Bayers, George W., Jr.

Bayers, George W., Jr., assignor of one-half to G. W. Bayers, Denver, Colo. Carbonating machine. 2,606,749, Aug. 12.

Bayes, Charles A., Pettswood, England, assignor to Trico Products Corporation, Buffalo, N. Y. Windscreen wiper. 2,596,197, May 13.

Bayes, Charles A., Pettswood, and J. Boddy, Hayes, England, assignors to Trico Products Corporation, Buffalo, N. Y. Windscreen wiper. 2,602,178, June 8.

Bayhi, Joseph F., and J. T. Baker, Tulsa, Okla., assignors to Standard Oil Development Company. Seismic prospecting with optimum geophone coverage. 2,623,113, Dec. 23.

Bayless, Frederick B., Midland, Tex., assignor to Phillips Petroleum Company. Hydraulic torque indicator. 2,593,000, Apr. 15.

Bayley, Lee D., Springfield, Ohio. Reversible vertically sliding window attachment for guard windows. 2,616,532, Nov. 4.

Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of fiber gasket material. 2,588,340, Mar. 11.

Bayshore Industries, Inc., assignee: *See*—
Mafko, Rudolf.

Bayston, John R., Los Angeles, Calif. Ice cracker. 2,610,803, Sept. 16.

Bayuk, Robert R., and J. A. Mileti, Jr., Dayton, Ohio. Automatic liquid extraction valve for gas storage tanks. 2,595,222, May 6.

Bazhaw, Willis O., Tulsa, Okla. Apparatus and method of surveying elevations. 2,616,177, Nov. 4.

Beach, Benjamin F., Fairway, Kans. Knockdown display rack. 2,600,191, June 10.

Beach, Harold W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Saw-tooth voltage generator. 2,604,591, July 22.

Beach, John M.: *See*—
Etten, Nicholas L., and Beach.

Beach, Justice H., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric iron. 2,597,700, May 20.

Beach, Lennox F.: *See*—
Braddon, Frederick D., Beach, Delanty, and Vacquier.

Beach, Leland K., Mountainside, N. J., assignor to Standard Oil Development Company. Oxidation of dicyclic hydrocarbons. 2,581,068, Jan. 1.

Beacham, Thomas E., London, England. Filter. 2,598,210, May 27.

Benchler, Robert R., Jr., Santa Monica, and J. M. Oberholtzer, Los Angeles, Calif., assignors to the United States of America as represented by the Secretary of the Air Force. Aircraft gun port opening and closing device controlled by gun temperature. 2,608,134, Aug. 26.

Beacon Machine Works, assignee: *See*—
Booth, Leon.

Beacom, Robert: *See*—
Drissner, Alfred E., and Beacom.

Beadle, Ray W., Denver, Colo. Door fastener. 2,588,077, Mar. 4.

Beadle, Robert H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Torsional vibration pickup. 2,612,773, Oct. 7.

Beadles, Lyle E.: *See*—
Wright, Stephen A., and Beadles.

Beal, Carl L., Garden City, assignor to Ideal Latex Corporation, Hollis, N. Y. Doll body construction. 2,622,369, Dec. 23.

Beal, James F., assignor, by mesne assignments, to Renfrew Electric and Refrigerator Co. Limited, Renfrew, Ontario, Canada. Pilot light lamp and socket structure. 2,599,361, June 3.

Beale, Charles E., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Voice-frequency telephone signaling system. 2,594,719, Apr. 29.

Beall, Benjamin S., Radnor Township, and J. A. Oppel, Aldan, Pa., assignors to General Electric Company. Circuit restorer. 2,619,562, Nov. 25.

Beall, Charles R., La Grange, assignor to West Point Manufacturing Company, West Point, Ga. Positive letoff mechanism for looms. 2,609,007, Sept. 2.

Beall, Desmond, Westmount, and G. A. Grant, Montreal, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. 2-aminopyridine salt of estrone sulfate. 2,581,350, Jan. 8.

Beall, Frank H., deceased, Detroit, Mich.; L. V. B. Beall, executrix of F. H. Beall, assignor to L. V. B. Beall, Detroit, Mich. Rotary gas compressor. 2,617,582, Nov. 11.

Beall, Herbert W., Sumter, N. C. Automatic faucet. 2,610,019, Sept. 9.

Beall, Lois V. B., executrix: *See*—
Beall, Frank H.

Beam, James R., assignor to Universal-Rundle Corporation, New Castle, Pa. Lavatory hanger. 2,584,107, Feb. 5.

Beam, Jon, Blue Ridge, Ga., assignor to Universal Oil Products Company, Chicago, Ill. Flow control of particles in fluidized processing. 2,584,378, Feb. 5.

Beam, Jon, Blue Ridge, Ga., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for recovery of finely divided particles. 2,593,718, Apr. 22.

Beam, Jon, Blue Ridge, Ga. Gravity buoyancy pump. 2,613,608, Oct. 14.

Beam, Richard L.: *See*—
Prugh, Thomas A., and Beam.

Beaman, Bernard, J. Hulman, and R. A. Stein, Dayton; said Beaman and said Stein assignors to said Hulman. Two-stage hydraulic pressure pump. 2,604,047, July 22.

Beaman, Bernard, J. Hulman and R. A. Stein, Dayton, Ohio; said Beaman and said Stein, assignors to said Hulman. Pump. 2,608,158, Aug. 26.

Beaman, Ralph G., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile polymer compositions. 2,580,393, Jan. 1.

Beamer, John L., Homeworth, Ohio. Hookup for tractor plows. 2,619,885, Dec. 2.

Bean, Calvin, Sykesville, Pa. Composite wool and leather sock. 2,617,992, Nov. 18.

Bean, Donald, San Jose, Calif. Combined slingshot and arrow catapult. 2,610,620, Sept. 16.

Bean, Donald, San Jose, Calif. Tip for darts and arrows. 2,620,190, Dec. 2.

Bean, Frederic R.: *See*—
Donovan, Thomas S., and Bean.
Vaughn, Remsen S., and Bean.

Bean, Frederic R., and H. D. Russell, assignors to Eastman Kodak Company, Rochester, N. Y. Naphthyl hydrazine sulfonic acids in direct positive photographic processes. 2,604,400, July 22.

Bean, Fremond F., Grand Ronde, Oreg. Hydraulic reach tightener. 2,614,864, Oct. 21.

Bean, Louis A., Indian Hills, Colo. Reel seat for fishing rods. 2,592,109, Apr. 8.

Bear Archery Company, assignee: *See*—
Bear, Frederick B.

Bear, Frederick B., Detroit, assignor to Bear Archery Company, Grayling, Mich. Glass fiber-reinforced archery bow. 2,613,660, Oct. 14.

Bear Manufacturing Company, assignee: *See*—
Hermann, Henry E.
Hermann, Henry E., and Krause.
Holaday, Harold O.
Wochner, Henry.

Bearce, Edson E., Seattle, Wash. Machine for riving shakes. 2,616,461, Nov. 4.

Beard, Edward S., Spring City, assignor of one-half to Le Roy Krasley, Royersford, Pa. Cloth handling and transferring means. 2,619,347, Nov. 25.

Beard, Ernest G., Willoughby, New South Wales, Australia, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wave length modulator. 2,601,427, June 24.

Beard, Joseph G., Haddonfield, and N. J. Oman, Merchantville, N. J., assignors to Radio Corporation of America. Frequency control circuit. 2,584,780, Feb. 5.

Beard, Joseph G., Haddonfield, R. W. Harralson, Masonville, N. J., and A. Kreithen, Washington, D. C., assignors to Radio Corporation of America. Servo system with antihunt means. 2,617,084, Nov. 4.

Beardsell, Wallace A., East Natick, and W. H. Hay, Beverly, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Liquid distributing device. 2,584,960, Feb. 5.

Beardsley, Kenneth D., Pittsfield, Mass., assignor to General Electric Company. Equalizer winding for five-legged three-phase cores. 2,595,753, May 6.

Beardsley, Melville W., Venice, and R. L. Brunsing, San Francisco, Calif. Apparatus and method for precooling material by vacuum-induced evaporation. 2,621,492, Dec. 16.

Beardsley, Robert O., and J. A. Allan, assignors to Jones & Lamson Machine Company, Springfield, Vt. Comparator for testing turbine blades and the like. 2,621,556, Dec. 16.

Beare, Leonard E., Lansing, Ill., assignor to Sinclair Refining Company, New York, N. Y. Mineral oil compositions. 2,594,279, Apr. 29.

Beare, Leonard E., Lansing, Ill., M. P. Kleinholz, East Chicago, Ind., and W. S. Hoock, St. Louis, Mo., assignors to Sinclair Refining Company, New York, N. Y. Mineral oil compositions. 2,619,462, Nov. 25.

Beare, Leonard E., Lansing, Ill., M. P. Kleinholz, East Chicago, Ind., and W. S. Hoock, St. Louis, Mo., assignors to Sinclair Refining Company, New York, N. Y. Sulfurized condensation products. 2,619,482, Nov. 25.

Bearer, Louis C., and G. Hill, Bartlesville, Okla., assignors to Phillips Petroleum Company. High-temperature solid material-fluid contact apparatus and method of operation. 2,621,105, Dec. 9.

Bearup, Roswell D., Colorado Springs, Colo. Woodsawing machine and shaper attachment therefor. 2,615,479, Oct. 28.

Beatman, Dorothy, Chicago, Ill. Suction and flushing massage device. 2,612,892, Oct. 7.

Beaton & Cadwell Mfg. Co., Inc., The, assignee: *See*—
Work, Erich W.

Beaton, George, and Son Limited, assignee: *See*—
Young, Frederick C.

Beatrice Creamery Company, assignee: *See*—
More, Robert W.

Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bunter for weft replenishing looms. 2,593,833, Apr. 22.

Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,609,846, Sept. 9.

Beatrice, Gabriel C., Shrewsbury, and K. J. Hall, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for bobbin receiver for weft replenishing looms. 2,585,426, Feb. 12.

Beatrice, Gabriel C., Shrewsbury, and A. C. Krukonis, Auburn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover. 2,595,629, May 6.

Beatrice, Gabriel C., Shrewsbury, and K. J. Hall, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic holder for weft ends. 2,619,992, Dec. 2.

Beattie, Arthur, San Bernardino, Calif. Manually operated slicing machine. 2,618,061, Nov. 18.

Beattie, Horace S.: *See*—
Rabenda, Edward J., Page, and Beattie.

Beatty Bros. Limited, assignee: *See*—
Beatty, William G.

Beatty, Brook, Kansas City, Mo. Bracket and holder for inverted container of bulk material with means for dispensing measured quantities of said material. 2,584,781, Feb. 5.

Beatty, Charles G., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Measuring apparatus. 2,601,678, June 24.

Beatty, Guy M., Bakersfield, Calif. Mud box. 2,610,690, Sept. 16.

Beatty, Isaac C., III, La Fayette, Ind. Nitrogen containing organic compounds. 2,620,350, Dec. 2.

Beatty, Isaac C., III, La Fayette, Ind. Tribenzoates of trialkylolamines. 2,620,351, Dec. 2.

Beatty, Isaac C., III, La Fayette, Ind. Di-amino benzoates of methyldiethanolamine. 2,620,352, Dec. 2.

Beatty, Robert D., Jr., Shaker Heights, Ohio. Bearing assembly unit. 2,620,242, Dec. 2.

Beatty, Robert D., Jr., Shaker Heights, assignor to Manor Die Cast Corporation, Cleveland, Ohio. Antifriction bearing assembly. 2,620,243, Dec. 2.

Beatty, Robert D., Jr., Shaker Heights, Ohio, assignor, by mesne assignments, to The Fafnir Bearing Company, New Britain, Conn. Pillow block. 2,620,244, Dec. 2.

Beatty, William G., assignor to Beatty Bros. Limited, Fergus, Ontario, Canada. Corner post for sectional stalls. 2,610,830, Sept. 16.

Beauchamp, John H., Houston, Tex. Downdraft hot-air furnace. 2,603,208, July 15.

Beauchamp, Mary E., Wayne, Mich. Sun visor. 2,620,222, Dec. 2.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door. 2,605,515, Aug. 5.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway hatch cover and locking means therefor. 2,586,601, Feb. 19.

Beauchemin, Leo A., Windsor, Ontario, Canada. Form dressing device. 2,617,403, Nov. 11.

Beaudet, Julian F., Lake George, N. Y. Cement bonded natural cellulose aggregate impregnated with cured synthetic resin and making the same. 2,594,280, Apr. 29.

Beaufoy, Raymond, assignor to British Telecommunications Research Limited, Taplow, England. Signal generator. 2,585,079, Feb. 12.

Beaulieu, Anede: *See*—
Pilon, Joseph L., and Beaulieu.

Beaulieu, Ezra J., and R. E. Thompson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Wire stripping pliers. 2,585,080, Feb. 12.

Beaumont Birch Company, assignee: *See*—
Addison, Edward C.
Hale, William E.

Beaumont, Edgar: *See*—
Hardacre, William, and Beaumont.

Beaune, Virgile S., assignor to Societe des Procedes Serge Beaune, Creteil, France. Authenticating means for documents. 2,604,710, July 29.

Beaunit Mills, Inc., assignee: *See*—
Hofmann, Hugo.
Reynolds, James L.

Beaupre, Merle A., Santa Monica, Calif., assignor to North American Aviation, Inc. Spinner seal and fairing. 2,614,638, Oct. 21.

Beauregard, Charles, Providence, R. I. Child's coasting device. 2,581,572, Jan. 8.

Beauregard, Theodore, Stamford, Conn. Fire extinguisher. 2,621,746, Dec. 16.

Beaurline, Arthur W.: *See*—
Kraft, Selmer A., and Beaurline.

Beautense, M Georges, New York, N. Y. Variable time sequential operated switch. 2,616,000, Oct. 28.

Beautiful Bryans, Inc., assignee: *See*—
Cobert, Arthur J.

Beauverger, André R., Beziers, France. Welder's protection means. 2,618,781, Nov. 25.

Beaven, Clifford H. J.: *See*—
Dell, Hugh A., Caple, and Beaven.

Beaver, David J., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Mercapto thiazole-sulfur halide reaction products. 2,609,373, Sept. 2.

Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber and products thereof. 2,582,670, Jan. 15.

Beaver, Hartsell W., Blakely, Ga., assignor to Turner Manufacturing Company, Statesville, N. C. Peanut harvesting apparatus. 2,593,383, Apr. 15.

Beaver, John F., Osborn, Ohio. Plating copper. 2,602,774, July 8.

Beaver Pipe Tools, Inc., assignee: *See*—
Pealer, Robert B.

Beavers, William F., Belen, N. Mex. Slicing machine with stationary knife and reciprocating carrier. 2,604,915, July 29.

Beavis, Rudolph H., Branford, Conn., assignor to Olin Industries, Inc. Flat casing electric hand lamp and switch therefor. 2,618,737, Nov. 18.

Beber, Adolph J., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. 4-quinazoline sulfenamides. 2,594,381, Apr. 29.

Bebinger, Charles N., New Philadelphia, Ohio, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Shaker conveyer loading apparatus. 2,607,466, Aug. 19.

Bebinger, Charles N., New Philadelphia, Ohio, assignor to Joy Manufacturing Company. Guide for oscillatory loading head. 2,614,677, Oct. 21.

Bebinger, Charles N., New Philadelphia, Ohio., assignor to Joy Manufacturing Company. Shaker loader. 2,617,514, Nov. 11.

Bebry Bedding Corporation, assignee: *See*—
Bebry, Peter P., and Jetter.

Bebry, Peter P., and F. J. Jetter, Jamaica, assignors to Bebry Bedding Corporation, Long Island City, N. Y. Sofa bed hinge. 2,601,683, July 1.

Beccard, Eldon H., Nebraska City, Nebr. Power shaft attachment for tractors. 2,580,721, Jan. 1.

Bechberger, Paul F.: *See*—
Hargreaves, William, and Bechberger.

Bechberger, Paul F., Tenafly, and J. D. Peterson, Ridgewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Engine synchronization means. 2,614,392, Oct. 21.

Becher, Hubert L., Trenton, assignor to Homasote Company, Incorporated, Fernwood, N. J. Fire resistant sheet material. 2,611,694, Sept. 23.

Bechik, Joseph, St. Paul, Minn. Adjustable fishline dobber. 2,593,524, Apr. 22.

Bechik, Michael, assignor to Bechik Products, Inc., St. Paul, Minn. Handle for mattresses and the like. Re. 23,590, Dec. 2.

Bechik, Michael, assignor to Bechik Products, Inc., St. Paul, Minn. Mattress handle assembly. 2,595,326, May 6.

Bechik Products, Inc., assignee: *See*—
Bechik, Michael.

Bechler, André, Moutier, Switzerland. Appliance for automatic lathes. 2,604,691, July 29.

Bechler, André, Moutier, Switzerland. Bearing assembly for pivoted bodies. 2,617,691, Nov. 11.

Bechler, André, Moutier, Switzerland. Automatic turret lathe. 2,618,841, Nov. 25.

Bechler, André, Moutier, Switzerland. Accessory for automatic lathes. 2,619,711, Dec. 2.

Bechler, André, Moutier, Switzerland. Tool setting device for machine tools. 2,619,863, Dec. 2.

Bechler, André, R. Allenbach, and A. Bueche, assignors to André Bechler, S. A., Moutier, Switzerland. Bar guiding device for automatic lathes. 2,619,712, Dec. 2.

Bechler, André, S. A., assignee: *See*—
Bechler, André, Allenbach, and Bueche.

Bechman Instruments, Inc., assignee: *See*—
Miller, William C.

Bechman, William, O., Chicago, Ill., assignor to International Harvester Company. Lubricating system on track roller. 2,614,006, Oct. 14.

Bechman, William O., Chicago, and P. F. Richardson, Downers Grove, Ill., assignors to International Harvester Company. Clutch actuating device. 2,621,538, Dec. 16.

Bechtel, Victor, Albuquerque, N. Mex. Adjustable nose bridge supports for bifocal spectales. 2,622,477, Dec. 23.

Bechtelheimer, Ernest E., assignee: *See*—
Leavitt, Jack C.

Bechter, Hermann, Zurich, Switzerland. Stretching the cloth web in weft direction in looms. 2,594,846, Apr. 29.

Bechter, Lyle W., South Gate, assignor to Rheem Manufacturing Company, San Francisco, Calif. Flux dam for galvanizing kettles. 2,580,394, Jan. 1.

Bechtold, Edwin W., Forest Hills, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Three-component wide-angle camera objective. 2,623,434, Dec. 30.

Bechtold, Ira C., Whittier, F. M. Stephens, Los Angeles, and C. Newman, Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Determination and correction of vibrations in gas compressor lines. 2,604,781, July 29.

Bechtold, Ira C., Whittier, and A. L. Kohl, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Extraction of high acidic concentrations from gases. 2,607,657, Aug. 19.

Bechtold, Max F., Kennett Square, Pa., and H. M. Stark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing alumina hydrate sols. 2,590,833, Apr. 1.

Bechtold, Robert H.: *See*—
Rees, Frank X., and Bechtold.

Beck, August H., Jr., San Antonio, Tex. Pier hole excavator. 2,594,720, Apr. 29.

Beck, Clarence E., Tipton, Ind. Portable hydraulic jack. 2,605,998, Aug. 5.

Beck, Derwood A., Seville, and E. A. Eddy, Massillon, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Jet-propelled airplane with jettisonable wing-tip fuel tanks. 2,584,961, Feb. 5.

Beck, George H., Maplewood, and J. Z. Foris, Union, N. J. Work clamp. 2,587,025, Feb. 26.

Beck, Harry E., assignee: *See*—
Messick, George G.

Beck, Harry S., Minneapolis, Minn. Support. 2,603,394, July 15.

Beck, Henry E., Racine, Wis., J. C. Jozwik, State College, N. Mex., and W. J. Innes, Racine, Wis., assignors to J. I. Case Company. Corn husker roll. 2,610,634, Sept. 16.

Beck, Horace C., assignee: *See*—
Galusha, Earl E.

Beck, Howard G., Irwin, Pa., assignor to The General Tire and Rubber Company, Akron, Ohio. Trunk seal gasket. 2,622,286, Dec. 23.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Refrigerator gasket and seal. 2,607,966, Aug. 26.

Beck, Howard S., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Weather strip and refrigerator gasket. 2,615,212, Oct. 28.

Beck, Leslie R. D., Birmingham, England. Fixing photograph on glass. 2,593,396, Apr. 22.

Beck, Lester E., Danville, and L. R. Callaway, Burlington, Iowa. Posthole digger. 2,593,245, Apr. 15.

Beck, Mae L., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing condensation polymers of hydroxy acetic acid. 2,585,427, Feb. 12.

Beck, Martin A., York, Pa. Rust remover for cooling systems of automobile engines. 2,591,228, Apr. 1.

Beck, Nevitt S., Euclid, Ohio. Sanitary garment. 2,595,507, May 6.

Beck, Norman, assignor to The Crown Cork Company Limited, Southall, England. Labeling machine. 2,583,807, Jan. 29.

Beck, Norman, assignor to The Crown Cork Company Limited, Sourhall, England. Labeling machine. 2,597,431, May 20.

Beck, Robert F., Paterson, assignor to Bendix Aviation Corporation, Teterboro, N. J. Valve. 2,590,368, Mar. 25.

Beck, Roland D., assignor to Ideal Industries, Inc., Sycamore, Ill. Tank type cleaner. 2,616,517, Nov. 4.

Beck, Warren R., Mahtomedi, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex-reflector lens elements. 2,610,922, Sept. 16.

Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shuttle car. 2,588,341, Mar. 11.

Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shuttle car. 2,592,532, Apr. 15.

Beck, William R., assignor to Goodman manufacturing Company, Chicago, Ill. Driven dirigible wheel mounting for coal mine haulage vehicles. 2,602,518, July 8.

Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shuttle car. 2,609,116, Sept. 2.

Beckdahl, Walter A.: *See*—
Walkup, Lewis E., Copley, and Beckdahl.

Beckel, Arthur C., and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Continuous recycling of an alcoholic oil solvent in oil extraction. 2,584,108, Feb. 5.

Beckel, Arthur C., and J. C. Cowan, Peoria, and P. A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Bonding using heat sealing protein adhesives. 2,600,388, June 17.

Beckemeier, George W. P.: *See*—
Murphy, John E., Beckemeier, and Couture.

Becker, Arthur, Wetzlar, Germany. Preparation of vaccine manures for agricultural soils. 2,608,480, Aug. 26.

Becker, Francis N., Cleveland, and C. de V. Miller, Rocky River, assignors to The American MonoRail Company, Cleveland, Ohio. Electrified trolley track. 2,605,365, July 29.

Becker, Fred F., assignor, by mesne assignments, to Principal Stamping & Mfg. Corp., Chicago, Ill. Stand for music racks and the like. 2,604,289, July 22.

Becker, Glenn C., assignor to Vacuum Can Company, Chicago, Ill. Temperature regulating water circulator for molding presses and other purposes. 2,598,966, June 3.

Becker, Glenn C., assignor to Vacuum Can Company, Chicago, Ill. Discharge spout construction for insulated storage containers. 2,620,945, Dec. 9.

Becker, Harold A., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Heating apparatus. 2,622,853, Dec. 23.

Becker, Harold A., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,613,654, Oct. 14.

Becker, Harry W., Chicago, Ill. High fidelity amplifier. 2,595,443, May 6.

Becker, Harry W., Chicago, Ill. Amplifier. 2,595,444, May 6.

Becker, Howard I., Vischers Ferry, N. Y., assignor to General Electric Company. Magnetic clutch. 2,605,876, Aug. 5.

Becker, Howard I., Vischers Ferry, N. Y., assignor to General Electric Company. Lubricated hermetically sealed rotating equipment. 2,617,494, Nov. 11.

Becker, John, Irvington, N. J. Drill point grinder. 2,612,012, Sept. 30.

Becker, John E., Darlington Township, Durham County, Ontario, Canada. Fluid circulation controls for rotary pump and turbine fluid couplings. 2,582,952, Jan. 22.

Becker, John E., Darlington, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada. Reversible rotary fluid coupling. 2,622,712, Dec. 23.

Becker, Karl H., assignor to Philco Corporation, Philadelphia, Pa. Mounting apparatus for loud-speakers and the like. 2,595,562, May 6.

Becker, Lawrence A., Marble Hill, N. Y. Clothesline adjuster. 2,590,919, Apr. 1.

Becker, Maximilian C., East Orange, N. J. Buckle. 2,585,619, Feb. 12.

Becker, Maximilian C., East Orange, N. J. Clothespin. 2,600,091, June 10.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Triggered fastener driving tool for two-step operation. 2,582,578, Jan. 15.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shear resistant buckle assembly. 2,585,894, Feb. 12.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Friction hinge. 2,610,355, Sept. 16.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Hubcap. 2,615,759, Oct. 28.

Becker, Ralph W.: *See*—
Lundvall, Elmer E., Becker, and Eckstein.

Becker, Stanley C., New Castle, Ind. Saw handle. 2,609,020, Sept. 2.

Becker, Stephen P.: *See*—
Schoonmaker, Raymond B., Becker, and Wongen.

Becker, William O., Ozone Park, N. Y., assignor to Mergenthaler Linotype Company. Pot mouthpiece wiper. 2,594,613, Apr. 29.

Beckerman, Joseph, Kew Gardens, N. Y. Slider for slide fasteners. 2,608,734, Sept. 2.

Beckerman, Louis, assignor to M. Beckerman & Sons, Inc., Auburn, Maine. Shank piece. 2,606,374, Aug. 12.

Beckerman, M., & Sons, Inc., assignee: *See*—
Beckerman, Louis.

Beckman Instruments, Inc., assignee: *See*—
Cary, Henry H., Hawes, and George.

Beckett, Donald E. and W. N., assignors of one-fourth to H. W. Harcum and one-fourth to J. B. Harcum, Wilmington, Ohio. Valve. 2,586,906, Feb. 26.

Beckett, Donald E. and W. N., assignors of one-fourth to H. W., and one-fourth to J. B. Harcum, Wilmington, Ohio. Pneumatic impact device. 2,604,072, July 22.

Beckett, Leo G., Henderson, Ky., assignor to Seeger Refrigerator Company, St. Paul, Minn. Adjustable shelf construction for refrigerator cabinets. 2,604,375, July 22.

Beckett, Leo G., Henderson, Ky., assignor to Seeger Refrigerator Company, St. Paul, Minn. Adjustable shelf construction for refrigerator cabinets. 2,620,254, Dec. 2.

Beckett, Leo G., Henderson, Ky., assignor to Seeger Refrigerator Company, St. Paul, Minn. Adjustable shelf construction for refrigerator cabinets. 2,620,255, Dec. 2.

Beckett, Reginald W., Elyria, Ohio. Oil burner of the atomizing type. 2,599,153, June 3.

Beckett, Ronald C., Galt, Ontario, assignor to Krallnator Products Limited, Preston, Ontario, Canada. Oil filter. 2,589,920, Mar. 18.

Beckett, Ronald C., Galt, Ontario, Canada. Crankcase ventilator valve. 2,592,380, Apr. 8.

Beckett, Ronald C., Galt, Ontario, Canada. Crankcase ventilator. 2,604,186, July 22.

Beckett, William N.: *See*—
Beckett, Donald E. and W. N.

Beckham, Robert R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparing a plastic sheet. 2,593,405, Apr. 22.

Beckham, Robert R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glare-reducing windshield. 2,593,525, Apr. 22.

Becklus, Ivar, and H. Lindström, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Induction heating. 2,599,086, June 3.

Becklus, Ivar, and H. Lindström, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. High-frequency heating tool. 2,606,997, Aug. 12.

Beckman, Arnold O., Altadena, and J. D. McCullough, Los Angeles, Calif., said McCullough assignor to said Beckman. Recording apparatus for recording gas concentrations in the atmosphere. 2,613,126, Oct. 7.

Beckman, Arnold O., Altadena, H. H. Herd, South Pasadena, and A. D. Robinson, Pasadena, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Dosimeter. 2,613,327, Oct. 7.

Beckman, August H., Sciota, Pa. Guard or protector for poultry service utensils. 2,584,782, Feb. 5.

Beckman Instruments, Inc., assignee: *See*—
Cary, Henry H., Hawes, Stickney, and George.

Beckwith Manufacturing Company, assignee: *See*—
Ernst, Wentworth A.
Harrison, Raymond B.
Levy, Herman C.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Transmission. 2,582,220, Jan. 15.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Clutch. 2,610,717, Sept. 16.

Beckwith, Sterling, Wauwatosa, and E. C. Koenig, Waukesha, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric analogue computer. 2,609,988, Sept. 9.

Beckwith, Sterling, Milwaukee, and W. F. King, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine with resiliently supported stator. 2,611,797, Sept. 23.

Becorit-Grubenausbau G. m. b. H., assignee: *See*—
Kowalski, Hellmut.

Becton Dickinson and Company, assignee: *See*—
Smoot, John H.

Beddow, Sidney B., Linden, N. J., assignor to Standard Oil Development Company. Purification of alcoholic liquid. 2,586,602, Feb. 19.

Bedell, Karl L.: *See*—
Hollingsworth, John H., and Bedell.

Bedell, Karl L., Pasadena, and J. H. Hollingsworth, Altadena, assignors to Holly Manufacturing Co., Pasadena, Calif. Register for wall, heaters. 2,621,580, Dec. 16.

Beder, Samuel L., assignor to Irwin F. Mills Associates, New York, N. Y. Window lock. 2,597,056, May 20.

Bedford, Alda V.: *See*—
Szikiai, George C., and Bedford.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Combined amplitude and frequency discriminatory automatic gain control. 2,586,760, Feb. 19.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Registration monitoring. 2,594,382, Apr. 29.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Registration monitoring. 2,594,383, Apr. 29.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,602,854, July 8.

Bedford, Alexander W., Jr., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 2,595,755, May 6.

Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. High-speed breaker arrangement for protection of valve converter circuits. 2,587,276, Feb. 26.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Phase shifting network. 2,598,437, May 27.

Bedford, Howard E., and A. Hall, Brentford, England, assignors to Pyrene Manufacturing Company, Newark, N. J. Fire extinguishing apparatus. 2,603,469, July 15.

Bedford, Howard E., and T. A. M. Mills, Brentford, England, assignors to Pyrene Manufacturing Company, Newark, N. J. Fire-extinguishing installation. 2,618,346, Nov. 18.

Bedford, Leslie H., London, J. Bell, and E. M. Langham, Teddington, assignors to A. C. Cossor Limited, London, England. Null voltage indicating circuit. 2,595,754, May 6.

Bedford, Leslie H. and L. Jofeh., assignors to A. C. Cossor Limited, London, England. Electrical differentiating circuit. 2,609,448, Sept. 2.

Bedford, Leslie H., and L. Jofeh, London, England, assignors to A. C. Cossor Limited. Radio navigation system. 2,616,640, Nov. 4.

Bedford, Leslie H., London, J. Bell, and E. M. Langham, Teddington; said Bedford assignor to A. C. Cossor Limited, London, England. Electrical fire control calculating apparatus. 2,623,692, Dec. 30.

Bedford, William A., Jr., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Panel fastener device. 2,607,971, Aug. 26.

Bedford, William A., Jr., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener clip. 2,620,532, Dec. 9.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 2,582,579, Jan. 15.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sleeve member for knob assemblies. 2,582,580, Jan. 15.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut retainer. 2,585,728, Feb. 12.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener device. 2,610,377, Sept. 16.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Buckle for straps and the like. 2,615,223, Oct. 28.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lamp socket for snap fastener panel engagement 2,616,944, Nov. 4.

Bedingfield, William, New Richmond, Ohio. Merchandise stand. 2,610,817, Sept. 16.

Beduhn, Daniel E.: *See*—
Wimborn, Byron R., Jr., and Beduhn.

Beeaff, Gustav A., Jr., Phoenix, Ariz. Practice swing golf club attachment. 2,620,186, Dec. 2.

Beears, Warren L., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Carboxyalkylation of ketonic compounds. 2,600,387, June 17.

Beears, Warren L., Cleveland, and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-substituted acrylic acids. 2,623,067, Dec. 23.

Beebe, Frederick E., Willoughby, Ohio. Applicator for dye and the like. 2,594,721, Apr. 29.

Beebe, John N., Newton, Mass., assignor to Raytheon Manufacturing Company. Magnetic coupler. 2,623,932, Dec. 30.

Beech Aircraft Corporation, assignee: *See*—
Muma, Richard A.
Odevseff, Alec S.
Paul, Lewis A.
Wells, Theodore A., and Reiter.

Beech, Taylor H., Pittsburgh, Pa. Cleaning glass forming molds. 2,619,436, Nov. 25.

Beecham Research Laboratories Limited, assignee: *See*—
Johnson, John D. A.

Beechler, Jack S., Detroit, Mich. Flexible coupling. 2,591,769, Apr. 8.

Beech-Nut Packing Company, assignee: *See*—
Gorman, Richard J., and Binsack.
Morrison, Laurence B.
Warren, Minton W., and Kneaskern.
Warren, Minton W., and Zimmer.

Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Container ejecting suction cleaner. 2,580,642, Jan. 1.

Beede, Lillian G., Marysville, Calif. Colostomy garment. 2,583,721, Jan. 29.

Beedy, Harold, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for controlling the thickness and uniformity of a liquid coating on wire. 2,589,034, Mar. 11.

Beegle, Raymond E., East St. Louis, Ill. Health bed. 2,590,920, Apr. 1.

Beehler, Paul C., Jr., Lewiston, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Receptacle filling machine. 2,616,606, Nov. 4.

Beekhuis, Herman A., Middletown Township, Delaware County, Pa., assignor to Allied Chemical & Dye Corporation. Manufacture of hydrogen cyanide. 2,604,380, July 22.

Beekley, Francis C., West Hartford, Conn. Slide changing device. 2,604,008, July 22.

Beekman, Emilie McK., Sea Bright, N. J., assignor to the United States of America as represented by the Secretary of the Army. Fabricating a double-wall container. 2,604,426, July 22.

Beelherts van Blokland, J. Petrus, Amsterdam, Netherlands. Door lock. 2,589,749, Mar. 18.

Beeler, Francis S., Hamilton, Ohio. Bait casting reel. 2,590,369, Mar. 25.

Bee-Line Company, assignee: *See*—
Jacobsen, Le Roy V., and Gosline.

Beem, John A., assignor to The Indiana Brass Co., Inc., Frankfort, Ind. Valve structure. 2,583,291, Jan. 22.

Beeman, Lyle, Ann Arbor, Mich. Snap switch. 2,616,996, Nov. 4.

Been, Jerome L.: *See*—
Sugerman, Bernard E., and Been.

Beer, Leo, Montreal, Quebec, Canada. Monomethylol dimethyl hydantoin to shrinkproof cellulose fabrics. 2,602,017, July 1.

Beer, Leo, Montreal, Quebec, Canada. Monomethylol dimethyl hydantoin and dimethylol urea to shrinkproof and creaseproof cellulose fabrics. 2,602,018, July 1.

Beer, Wilhelm, Wiesbaden-Dotzheim, Germany. Grinding machine. 2,621,447, Dec. 16.

Beerbower, Alan, Baltimore, Md., and A. J. Morway, Clark, N. J., assignors to Standard Oil Development Company. Greases based on finely divided inorganic material. 2,614,986, Oct. 21.

Beerli, Karl, Nieder-Uster, assignor to Spindel-, Motoren- und Maschinenfabrik A. G., Uster, Switzerland. Journal for spinning and twisting spindles. 2,583,080, Jan. 22.

Beersma, Pieter J. A.: *See*—
Loikema, Jan, and Beersma.

Beesch, Samuel C.: *See*—
Legg, David A., and Beesch.

Beese, Norman C., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluorescent discharge lamp. 2,622,221, Dec. 16.

Beese, Norman C., Verona, and D. S. Gustin, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective device. 2,620,453, Dec. 2.

Beese, William: *See*—
Slifkin, Sam C., and Beese.

Beeson, Frank R., Eugene, Oreg. Astronomical teaching and training apparatus. 2,588,472, Mar. 11.

Beeten, Harold: *See*—
Slosberg, Sam M., Beeten, and Frank.

Beezley, Weldon D., and O. V. Phillips, Denver, Colo. Repeating toy bubble gun. 2,590,888, June 10.

Beffa, Fabio: *See*—
Schetty, Guido, and Beffa.

Be-Ge Manufacturing Co., assignee: *See*—
Gurries, Albert G.

Beger, Richard E.: *See*—
Bonanno, Joseph L., and Beger.

Beggs, George E., Jr., Warrington, and E. W. Yetter, Ardmore, assignors to Leeds and Northrup Company, Philadelphia, Pa. Electronic recording and controlling apparatus. 2,586,603, Feb. 19.

Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Electron tube structure and the manufacture thereof. 2,581,097, Jan. 8.

Begian, John, executor: *See*—
Ananson, Richard D.

Begle, Howell E., Commerce, Mich. Chip dispersal device. 2,619,009, Nov. 25.

Beglinger, Jacques, assignor to J. R. Geigy A. G., Basel, Switzerland. Liquid distributor for dividing a constant or variable stream of liquid into two partial streams. 2,582,523, Jan. 15.

Bègue, Alcippe, La Plaine des Palmistes, Ile de la Reunion. Motor fuels. 2,596,198, May 13.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic reproducing device with means to prevent accidental erase of record medium. 2,594,848, Apr. 29.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Apparatus for demagnetizing magnetic recording-reproducing heads. 2,604,548, July 22.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Device for duplicating magnetic recordings by re-recording processes. 2,604,549, July 22.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Erase head for use with commercial alternating current or equivalent. 2,604,550, July 22.

Begun, Semi J., Cleveland Heights, assignor to The Brush-Development Company, Cleveland, Ohio. Winding mechanism. 2,622,811, Dec. 23.

Begun, Semi J., Cleveland Heights, and T. F. Deucher, Parma, assignors to The Brush Development Company, Cleveland, Ohio. Automatic erase for magnetic recorders. 2,589,035, Mar. 11.

Begwnco Meters Limited, assignee: *See*—
Butterworth, Edward.

Beh and Company, assignee: *See*—
Buser, Charles.

Behensky, Charles: *See*—
Spiegel, Lawrence, Behensky, and Druck.

Behensky, John A., Rockland Lake, N. Y. Fishing float. 2,591,332, Apr. 1.

Behm Laboratories, Inc., assignee: *See*—
Behm, Walther.

Behm, Walther, assignor to Behm Laboratories, Inc., New York, N. Y. Heating system and heating apparatus. 2,602,875, July 8.

Behmer, Eugene A.: *See*—
Miller, Clifford O., and Behmer.

Behne, Ernest O.: *See*—
Patterson, Earl M., and Behne.

Behnen, William B.: *See*—
Haas, Clarence C., and Behnen.

Behnisch, Robert: *See*—
Schmidt, Hans, Behnisch, and Mietzsch.

Behnisch, Robert, and F. Mietzsch, Wuppertal-Elberfeld, and H. Schmidt, Wuppertal-Vohwinkel, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Sulfonamide salts of thiosemicarbazide derivatives. 2,605,262, July 29.

Behnisch, Robert, and F. Mietzsch, Wuppertal-Elberfeld, and H. Schmidt, Wuppertal-Vohwinkel, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Thiosemicarbazones. 2,621,211, Dec. 9.

Behnke, Harvey B., Appleton, Wis. Hammer pocket device. 2,594,614, Apr. 29.

Behr, Leo J., Bridgeport, Conn. Panel-supporting frame. 2,617,217, Nov. 11.

Behrens, Herbert C., Canton, and H. C. Badenell, Navarre, assignors to Diebold, Incorporated, Canton, Ohio. Night depository theftproof closure construction. 2,581,621, Jan. 8.

Behrens, Herbert C., and A. L. Abbott, assignors to Diebold, Incorporated, Canton, Ohio. Combination lock. 2,601,774, July 1.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Insulated filing cabinet construction. 2,613,623, Oct. 14.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Night depository construction. 2,617,584, Nov. 11.

Behrens, Herman, assignor to Behrens Manufacturing Co., Inc., Waukesha, Wis. Portable drinking fountain. 2,621,073, Dec. 9.

Behrens Manufacturing Co., Inc., assignee: *See*—
Behrens, Herman.

Behrens, Maurice H., Audubon, N. J. Unscrambler and spacer. 2,600,726, June 17.

Behrens, Otto K., R. G. Jones, and Q. F. Soper, Indianapolis, Ind., and J. W. Corse, Lafayette, Calif., assignors to Eli Lilly and Company, Indianapolis, Ind. Mercaptopenicillins. 2,623,876, Dec. 30.

Beich, Paul F., Company, assignee: *See*—
Alikonis, Justin J.

Beidler, Edward A.: *See*—
Graham, Marion E., and Beidler.

Beier, Helmut, Frankfort-on-the-Main, assignor to Röhm & Haas G. m. b. H., Darmstadt, Germany. Stabilizing cyanohydrins and resulting product. 2,623,896, Dec. 30.

Beier, Josef, Altmunster-Ebenzweier, Upper Austria, Austria. Infinitely variable friction wheel gear. 2,623,396, Dec. 30.

Beijbom, Carl-Axel, Trelleborg, Sweden. Device for dispensing material from collapsible tubes. 2,599,805, June 10.

Beil, Forrest F.: *See*—
Baker, Merle W., Beil, Curtis, and Patton.
Patton, Edward A., and Beil.

Beilke, Emil A., Pendleton, Oreg. Attachment for spring tooth harrows. 2,583,290, Jan. 22.

Beimel, Henry L., Cambridge, assignor to American Locker Company, Incorporated, Boston, Mass. Multiple coin attachment for coin-controlled locks. 2,603,335, July 15.

Beiser, Elmer H., Peru, Ill., assignor to General Time Corporation. Time switch. 2,587,026, Feb. 26.

Beiser, Elmer H., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Interval timer. 2,610,683, Sept. 16.

Beith, George R.: *See*—
Barling, Leslie C., and Beith.

Beitz, Richard C., Amherst, N. Y., assignor to American Optical Company, Southbridge, Mass. Arc lamp or the like. 2,609,519, Sept. 2.

Beitz, Richard C., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Electrical control means for film driving mechanisms. 2,610,540, Sept. 16.

Bekey, Andrew, Los Angeles, Calif. Electromagnetically operated mechanism using resonance effects. 2,597,559, May 20.

Belaieff, James F., Cologny, near Geneva, assignor to Societe Anonyme des Usines Jean Gallay, Geneva, Switzerland. Laundering machine. 2,615,320, Oct. 28.

Belamih, Michael, Nuremberg, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. System for reducing contact arcing in synchronous switching apparatus. 2,584,535, Feb. 5.

Belanger, Mariette, assignee: *See*—
Galbois, Auguste G.

Belar, Herbert: *See*—
Sinnett, Chester M., and Belar.

Belaustegui goitia, Francisco, Mexico City, Mexico. Lock mechanism. 2,602,318, July 8.

Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Bag construction. 2,605,040, July 29.

Belcher, Daniel, Minneapolis, Minn., R. J. Williams, Richmond Heights, Mo., and J. E. Voege, Alton, Ill., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Apparatus for manufacturing valve bags. 2,594,849, Apr. 29.

Belcher, Harold H., Orange, Mass., assignor to Rodney Hunt Machine Company. Three roll padder or the like. 2,605,629, Aug. 5.

Belcher, Harold H., and B. M. Jones, assignors to Rodney Hunt Machine Company, Orange, Mass. Apparatus for fluid treatment of materials. 2,618,142, Nov. 18.

Belcher, Walter A., Jr., Providence, R. I. Grinding wheel. 2,589,661, Mar. 18.

Belchetz, Arnold, Larchmont, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic production of chlorine. 2,602,021, July 1.

Belden Brick Company, The, assignee: *See*—
Miller, Charles E.

Belden, Donald H., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Distillation tower. 2,580,646, Jan. 1.

Belden Manufacturing Company, assignee: *See*—
Schelke, Robert K.

Belden, Wayne I., assignor to Ajax Flexible Coupling Co. Inc., Westfield, N. Y. Flexible pin clutch. 2,619,211, Nov. 25.

Beldin, Royal L.: *See*—
Roscoe, Merrill W., and Beldin.

Beldin, Royal L., Davenport, Iowa, assignor to Deere & Company, Moline, Ill. Self-leveling motor carrier for grain elevators. 2,598,880, June 3.

Beldin, Royal L., Davenport, Iowa, assignor to Deere & Company, Moline, Ill. Screw conveyer. 2,610,727, Sept. 16.

Beldner, Edward, Brooklyn, N. Y. Dispensing cover. 2,611,516, Sept. 23.

Beldue, William J.: *See*—
Tuttle, William R., and Beldue.

Belew, Leland W., assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Rotary card filing apparatus. 2,589,598, Mar. 18.

Belfert, Gerald, Brooklyn, N. Y. Transparent watch protector. 2,582,473, Jan. 15.

Belford, Alexander, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,588,473, Mar. 11.

Belineff, Stephen B., Suffern, N. Y. Toy motor. 2,598,211, May 27.

Belich, Daniel E., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lubricating device. 2,583,317, Jan. 22.

Beling, Geert D.: *See*—
Mikolic, Charles R., and Beling.

Belisle, Adelard J.: *See*—
Semisch, Kurt F., and Belisle.

Belitz, Hans G.: *See*—
Davis, Oliver E., and Belitz.

Beljers, Hugo G.: *See*—
Six, Willem, Beljers, and te Winkel.

Belknap, Hobart D., Pasadena, Calif. Thumb guard with adjustable strap. 2,617,413, Nov. 11.

Belknap Mfg. Co., The, assignee: *See*—
Hutchison, Clifford N.

Bell Aircraft Corporation, assignee: *See*—
Foster, Richard B.
Stanley, Robert M., and Cowen.
Trotter, John C.
Wheeler, Leo R.
Wheeler, John W.
Woods, Robert J.
Young, Arthur M.
Young, Arthur M., and Kelley.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Plasticized cellulose acetate-butyrate and cellulose acetate-propionate. 2,592,234, Apr. 8.

Bell, Charles C., Warwick, assignor to Universal Winding Co., Cranston, R. I. Bobbin hanger. 2,614,758, Oct. 21.

Bell, Charles C., East Greenwich, H. W. Hitchcock, Cranston, and J. V. Keith, Greenwood, assignors to Universal Winding Company, Cranston, R. I. Winding machine. 2,608,355, Aug. 26.

Bell, Charles H., assignor to Gaumont Kalee Seating Limited, London, England. Adjustable theater chair. 2,621,709, Dec. 16.

Bell, Clarence D.: *See*—
Barkdoll, Archie E., Bell, and Graef.

Bell, David A., assignor to A. C. Cossor Limited, London, England. Radio signal discriminating apparatus. 2,607,888, Aug. 19.

Bell, Dora L.: *See*—
Olpin, Henry C., and Bell.

Bell, Emerson D., Interlaken, N. J. Direct current reverse power controller. 2,606,313, Aug. 5.

Bell, Francis R., assignor to The Rover Company Limited, Solihull, England. Internal-combustion engine with regenerator. 2,611,242, Sept. 23.

Bell, Frank S.: *See*—
Stewart, Robert J., and Bell.

Bell, Frank V., Stoney Creek, Ontario, Canada. Clinometer. 2,611,188, Sept. 23.

Bell, George, and P. Lebovitz, assignors to Waterproof Insulation Corp., Baltimore, Md. Construction materials. 2,623,914, Dec. 30.

Bell, George W., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Wire magazine and feed mechanism. 2,605,060, July 29.

Bell & Gossett Company, assignee: *See*—
Arlanckle, Lawrence L.
Birkemeier, Henry P.
Gardner, Donald B.
Smith, Lawrence J.

Bell, Harry G., Paris, and J. D. Gay, Jr., Lexington, assignors to Gay-Bell Corporation, Paris, Ky. Compacting press. 2,605,697, Aug. 5.

Bell & Howell Company, assignee: *See*—
Good, Paul J.
Howell, Albert S.
Johnson, Elmer L.
Johnson, Marie C.
McNabb, Louis A.
Moomaw, Lewis H., and Bernzott.
Schwarz, George.

Bell, James Pinner, assignor to The M-O Valve Company Limited, London, England. Thermionic valve. 2,621,310, Dec. 9.

Bell, James S., Inverness, Miss. Liquid fertilizer plow. 2,619,054, Nov. 25.

Bell, James S., Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for measuring effective resistance. 2,610,227, Sept. 9.

Bell, Jerome B., Wallingford, Pa. Stepladder. 2,596,521, May 13.

Bell, John: *See*—
Bedford, Leslie H., Bell, and Langham.

Bell, John, assignor to Muirhead & Company Limited, Beckenham, England. Variometer and induction regulator. 2,611,891, Sept. 23.

Bell, John, Dalkeith, Australia. Fly screen 2,600,192, June 10.

Bell, John B., Jr.: *See*—
Sprules, Francis J., and Bell.

Bell, John F., Glenview, and A. Cotsworth, III, Oak Park, Ill., assignors to Zenith Radio Corporation. Frequency converter system. 2,596,117, May 13.

Bell, Keith L., Washington, D. C., assignor to P. E. Edrington, Alexandria, Va., as trustee. Electrically controlled light filter. 2,623,109, Dec. 23.

Bell Laboratories, Incorporated, assignee: *See*—
Affel, Herman A., and Maggio.
Boardman, Edward M.
Cutler, Cassius C., and Mathews.
Davey, James R., and Rea.
Depp, Wallace A.
Eckardt, Helmuth.
Harrison, Henry C.
Hines, Marion E.
Peterson, Eugene.
Pfleger, Kenneth W.
Shive, John N.
Stevens, Bruce E.
Thulin, Charles W.
Ziegler, Arthur W.

Bell, Locklin S., Hales Corners, and T. W. Maltby, West Allis, Wis., assignors to General Electric Company. X-ray shutter. 2,593,526, Apr. 22.

Bell, Louis A., St. Louis, Mo. Utility rack. 2,614,698, Oct. 21.

Bell Machine Company, The, assignee: *See*—
Eck, Henry J.
Schafer, Frank.
Weiland, Clarence H.

Bell, Michael C., Milwaukee, Wis. Can-opening device. 2,599,154, June 3.

Bell, Persa R., Jr.: *See*—
Straus, Henry A., Bell, and Murray.

Bell, Persa R., Jr., Oak Ridge, Tenn., assignor, by mesne assignments, to United States of America, as represented by the Secretary of War. Frequency detector. 2,603,748, July 15.

Bell, Persa R., Jr., Oak Ridge, Tenn., and D. Gale, New York, N. Y., assignors, by mesne assignments, to United States of America as represented by the Secretary of War. Comparator circuit for moving target indication radar systems. 2,600,193, June 10.

Bell, Ralph E., assignor to Kirsch Company, Sturgis, Mich. Traverse curtain support and pulley housing. 2,590,370, Mar. 25.

Bell, Ramsay M., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Abrasive belt attachment for abrasive wheel machines. 2,612,007, Sept. 30.

Bell, Richmond T., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Promoting cracking reactions of hydrocarbons by the addition of organic peroxides. 2,581,163, Jan. 1.

Bell, Richmond T., Grays Lake, assignor to The Pure Oil Company, Chicago, Ill. Regeneration and preconditioning of a methanethiol synthesis catalyst. 2,592,646, Apr. 15.

Bell, Robert E., Deep River, assignor to National Research Council, Ottawa, Ontario, Canada. Coincidence circuit. 2,610,303, Sept. 9.

Bell, Ross E., Vancouver, British Columbia, Canada. Reversible propeller. 2,604,952, July 29.

Bell, Rupert R., assignor to King-Seeley Corporation, Ann Arbor, Mich. Fluid motor mechanism for windshield wiper systems. 2,602,430, July 8.

Bell, Russell N., Chicago Heights, Ill., assignor to Victor Chemical Works. Dentifrice polishing composition. 2,601,238, June 24.

Bell, Sam, Milwaukee, Wis. Mattress coil spring unit. 2,611,910, Sept. 30.

Bell, Samuel D., Keego Harbor, Mich. Self-feathering fan. 2,601,495, June 24.

Bell, Sidney R.: *See*—
Merson, David A., and Bell

Bell, Sidney R., Stamford, Conn., assignor, by mesne assignments, to I. J. Moritt, Brooklyn, N. Y. Miniature lock stitch sewing machine. 2,594,534, Apr. 29.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Adams, Edgar W., Jr.
Ahern, Arthur J.
Albersheim, Walter J.
Allison, Sewell W.
Alsberg, Dietrich A., and Muhlsteff.
Anderson, Alva E., and Trent.
Anderson, Frederic W.
Anderson, John R., and Keller.
Bachelet, Albert E.
Bachelet, Albert E., and Low.
Baird, Jack A.
Baker, William O., and Winslow.
Ball, Eustace T.
Bangert, John T.
Bardeen, John, and Brattain.
Barney, Harold L.
Barry, Joseph F.
Bennett, William R.
Bjornson, Bjorn G.
Blake, Foster B.
Bomberger, David C., Ingerson, and Och.
Bond, Walter L.
Bostwick, Lee G.
Botsford, Nelson, Boysen, Aikens, Dietze, Goodale, and Inglis.
Bowen, Arnold E.
Bredehoft, Harold A., and Richardson.
Brehem, Harold B.
Brooks, Chester E., and Carpenter.
Brown, John T. L.
Brown, John T. L., and Pollard.
Bruce, Edmond.
Bruce, Edmond, and Gross.
Bruce, Edmond, and Hall.
Bryant, Herbert W.
Buchanan, Russell B.
Buhrendorf, Frederick G.
Burton, Everett T.
Busch, Aloysius J.
Busch, Aloysius J., and Michael.
Cahill, Harold D., Carpenter, and Dimond.
Carbrey, Robert L.
Carpenter, Warren W.
Clarke, Walter J.
Clutts, Charles E., Pullis, Schenck, and Weber.
Collis, Raymond E., and Dehn.
Cory, Samuel I.
Coxhead, Harry B.
Coyne, Howard L.
Craft, Clifford J., 3rd.
Curtis, Robert B.
Cutler, Cassius C.
Davis, Richard C., Fogarty, and Rippere.
Dehn, Joseph W.
Dehn, Joseph W., and Holden.
De Lange, Owen E.
Depp, Wallace A.
Dienel, Hans F., and Teal.
Dimond, Thomas L.
Doba, Stephen, Jr., and Jansen.
Drazy, Elbert J.
Dunlap, Kermit S., and Lovell.
Edson, James O.
Edson, James O., and Kreer.
Ekstrand, Sture O., and Roncl.
Ellwood, Walter B.
Entz, Ferdinand S., and Soffel.
Eppel, Simeon L.
Espenschied, Lloyd, and Chaffee.
Etheridge, Harry A., Jr.
Farkas, Thomas P.
Fay, Clifford E.
Feldman, Carl B. H.
Field, Lester M.
Fisk, James B.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Continued.
Flint, Erlon W., Hague, Joel, and Rippere.
Fox, Arthur G.
Fritschl, Walter W.
Fritts, Morris.
Gaines, Wilbur L.
Gannett, Danforth K.
Gent, Edgar W., and Werring.
Germanton, Charles E.
Germer, Lester H., and Reitter.
Gerth, John H.
Gilman, George W.
Gilmer, Peter E.
Gissler, Frank E., and Laldig.
Glazer, Allan, Stryker, and Hopkins.
Goehner, William R.
Goff, Harold W.
Goodale, Walter D., Jr.
Goodale, Walter D., Jr., and Martin.
Goodall, William M.
Gooderham, John W.
Graef, Robert P.
Graham, Robert E.
Gray, Frank.
Gray, Frank, and Sears.
Gray, Preston R.
Griest, Raymond H., and Wooldridge.
Hague, Alfred E.
Haines, William T., and Newsom.
Hall, Oliver C.
Hamilton, Billy H., and Spencer.
Hamming, Richard W., and Holbrook.
Haring, Horace E., and Taylor.
Harris, James R.
Harrison, Henry C.
Hartley, Ralph V. L.
Hasley, Andrew D., and Hibbard.
Hawkins, Walter L.
Haynes, James R., and Shockley.
Hearn, Richard B., and Pruden.
Hebenstreit, William B.
Hecht, George.
Heidenreich, Robert D.
Herborn, Ludwig E.
Hersey, Ralph E.
Hersey, Ralph E., and Vroom.
Hewitt, William H., Jr.
Hickman, Clarence N.
Hickman, Clarence N., Mallina, and Reck.
Hill, Henry E., and Parkinson.
Holden, William H. T.
Holman, Erwin W.
Houghton, Edward W.
Inglis, Alfred H., and Krebs.
Joel, Amos E., Jr.
Kannenberg, Walter F.
Keller, Arthur C.
Kelsay, Le Roy W.
Kille, Lindley A.
King, Douglas H.
Kinzer, John P.
Kircher, Reymond J.
Kirkpatrick, William E. and Sears.
Knapp, Harry M., and Zupa.
Kock, Winston E.
Koehler, Donald C.
Kreer, John G., Jr.
Kretzmer, Ernest R.
Lacy, Lester Y.
Lander, James J.
Leed, Daniel.
Lewis, Willard D.
Lewis, Willard D., and Mumford.
Lewis, Willard D., and Pierce.
Little, John B.
Llewellyn, Frederick B.
Lovell, Clarence A.
Lovell, Clarence A., and Parkinson.
Low, Frank K.
Lum, George R.
Madden, James J.
Mallina, Rudolph F.
Malthaner, William A.
Malthaner, William A., Newby, and Vaughan.
Marmont, George H., and Oliver.
Marshall, Robert W.
Mason, Warren P.
Mathes, Robert C.
Matte, Andrew L.
Matthias, Bernd T.
McAlpine, Roderick K.
McLean, David A.
McMahon, William T.
Meacham, Larned A.
Mead, Edward D., and Mesch.
Means, Winthrop J.
Merrill, Josiah L., Jr.
Meszaros, George W.
Michael, Henry J., and Whitney.
Michal, Joseph.
Millard, Arthur C., and Morrill.
Miller, Victor F.
Miloche, Herman A.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Continued.
Mitchell, Clifford E.
Mohr, Milton E.
Morton, Jack A.
Mott, Edward E.
Myers, Oscar.
Niederau, William E., Ritchie, and Wright.
Ohl, Russell S.
Oliver, Bernard M.
Olsen, Karl M.
Parkinson, David B.
Parks, Charles O.
Pennell, Everett S.
Peterson, Eugene.
Pfann, William G.
Pfleger, Kenneth W.
Pierce, John R.
Potter, James A.
Potter, Ralph K.
Purvis, Matthew R.
Rafuse, Irad S.
Rea, Wilton T.
Retallack, John B.
Richardson, Paul H.
Riesz, Robert R.
Roberts, Leland C.
Robertson, Sloan D.
Rockwood, George H., Jr., and Vance.
Rubly, Harry C.
Samuel, Arthur L.
Scaff, Jack H., and Theuerer.
Scudder, Frederick J.
Scudder, Frederick J., and Vroom.
Scoville, Ray R.
Sermeus, William T.
Shann, Oscar A.
Shepherd, William G.
Shockley, William.
Shockley, William, and Sparks.
Shower, Edmund G.
Skellett, Albert M.
Slezak, Stanley T.
Smith, Howard J.
Soffel, Robert O.
Spahn, Charles F., Jr.
Spencer, Harry H.
Staples, Elliot M.
Stiratelli, Bartholomew A
Stone, John R.
Taylor, Raymond L.
Teal, Gordon K.
Tinus, William C.
Townsend, Mark A.
Trent, Robert L.
Vaughan, Henry E.
Von Gugelberg, Hans L.
Vroom, Edward.
Walker, Albert C.
Wallace, Robert L., Jr.
Wilson, Ira G.
Young, Clarence H.
Ziegler, Arthur W.
Zinn, Manvel K.
Zobel, Otto J.

Bell, William D.: *See*— Thompson, Frank R., and Bell.

Bell, William T., Jefferson County, Ala. Casket floral rack. 2,594,722, Apr. 29.

Bellah, William H., Burbank, Calif. Reel. 2,587,432, Feb. 26.

Bellairs, Guy F., London, and J. C. Ireland, Tunbridge Wells, assignors to British Telecommunications Research Limited, Taplow, England. Telecommunication system. 2,607,853, Aug. 19.

Bellam, Joseph E., Seattle, Wash., assignor to Boeing Airplane Company, Airplane flap supporting and control mechanism. 2,609,166, Sept. 2.

Bellamy, Clyde H., Richmond, Va. Flexible ladder and receptacle therefor. 2,616,608, Nov. 4.

Bellamy, John L.: *See*— Boyer, Richard P., Jr., and Bellamy. Saunders, Norman H., Hackett, and Bellamy.

Bellamy, John L., Brookfield, assignor to Sloan Valve Company, Chicago, Ill. Flush valve arrangement and installation. 2,590,147, Mar. 25.

Bellard, Jean Q., Indianapolis, and G. H. F. Schnakenberg, Plainfield, assignors to Eli Lilly and Company, Indianapolis, Ind. Riboflavin-glyoxal condensation products. 2,598,103, May 27.

Bellato, Frank A., assignor to Carando Machine Works, Stockton, Calif. Paper box folding and corner locking machine. 2,604,022, July 22.

Beller, Hans, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Producing finely divided metals. 2,597,701, May 20.

Bellerl, Baldassare, assignor to E. Bernardelli, son of Lodovico; V. Bernardelli, son of the late Antonio; V. Bernardelli, son of Pietro, and V. Bernardelli, son of Giulio, Gardone Valtrompia, Italy. Firing mechanism for guns. 2,622,359, Dec. 23.

Bellezza, Russell G., and G. M. Ruoff, Baltimore, Md., assignors to General Electric Company. Suspension insulator for high-tension conductors. 2,587,587, Mar. 4.

Bellier, Jean: *See*— Coyne, André, Bellier, and Marion.

Bellinger, Burdette W., Tampa, Fla., assignor to Tennessee Corporation, New York, N. Y. Concentrating phosphoric acid. 2,611,681, Sept. 23.

Bellingheimer, David J., assignee: *See*— Howard, William H.

Bellingher, Fred, Chicago, Ill., assignor to International Harvester Company. Bundling spring harrow tines. 2,599,427, June 3.

Bellini, Eugene, Jackson, Ala., assignor to Vanity Fair Mills, Inc., Reading, Pa. Warp yarn feed device. 2,618,945, Nov. 25.

Bellios, Constantinos, Brooklyn, N. Y. Filter for internal-combustion engines. 2,588,474, Mar. 11.

Bellis, Edward W., Portland, Oreg. Display apparatus. 2,611,201, Sept. 23.

Bellizzi, John A., U. S. Navy. Torque dynamometer. 2,580,395, Jan. 1.

Bellmer, Robert B., West Allis, Wis. Vernier scale measuring device. 2,591,333, Apr. 1.

Bello, Pablo D., Habana, Cuba. Level. 2,611,189, Sept. 23.

Belloni, Angelo, Venice, assignor to Pirelli Societa Per Azioni, Milan, Italy. Hood for divers' suits. 2,587,958, Mar. 4.

Bellucci, Charles, Jersey City, N. J. Immersion heater. 2,589,473, Mar. 18.

Belluche, Elmer W., assignor to The Christensen Machine Company, Racine, Wis. Book stitching and delivering machine. 2,607,587, Aug. 19.

Belluche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Side gauge for sheet feeders. 2,595,630, May 6.

Belmont, Elliott T., Boston, Mass. Aerial display apparatus. 2,589,472, Mar. 18.

Belmont, Frank, Anaheim, Calif. Elastic closure fruit bag. 2,585,214, Feb. 12.

Belmont Radio Corporation, assignee: *See*— Gannaway, Robertson R.

Belmonte, John, assignor of 25% to Raymond Commerford, 25% to Ronald Shanahan, and 50% to Anthony Jannello, Brooklyn, N. Y. Combination rotary brush and comb. 2,582,409, Jan. 15.

Beloit Iron Works, assignee: *See*— Goodwillie, John E. Heys, Ralph C. Hornbostel, Lloyd. Neese, Alonzo A.

Belokin, Paul, Jr., Chicago, Ill. Collapsible bucket. 2,580,879, Jan. 1.

Belpedio, Johby, Bridgeport, Conn. Crown cap removing and retaining implement. 2,593,091, Apr. 15.

Belsey, Frederick H., Sale, and D. T. Broadbent, Stretford, England, assignors to General Electric Company. Control system of the correspondence kind for movable members. 2,582,221, Jan. 15.

Belsey, Frederick H., Sale, and D. T. Broadbent, Stretford, England, assignors to General Electric Company. Control system of the correspondence kind for movable members. 2,582,222, Jan. 15.

Belshaw, Philip L., H. T. Howard, and F. Irving, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of polycyclic quinones which carry a nitro and a hydroxy group as nuclear substituents. 2,587,093, Feb. 26.

Belsky, Charles, Detroit, Mich. Kitchen refuse receptacle. 2,599,362, June 3.

Belt, Augustus H., Bloomington, Ill. Making hamburgers. 2,584,536, Feb. 5.

Belt Corporation, The, assignee: *See*— Belt, Vernon C.

Belt, Vernon C., assignor to The Belt Corporation, Orient, Ohio. Industrial lift-truck apparatus. 2,618,396, Nov. 18.

Belter, Paul A.: *See*— Beckel, Arthur C., Cowan, and Belter.

Beltice Corporation, assignee: *See*— Knowles, Frank W.

Beman, Floyd L.: *See*— Williams, Bill M., Berhenke, and Beman.

Beman, Ward W., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Variable ratio booster system. 2,613,890, Oct. 14.

Beman, Ward W., Glendale, and J. H. Weaver, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Transonic wind tunnel. 2,582,814, Jan. 15.

Bemis Bro. Bag Company, assignee: *See*— Barnes, James G. Belcher, Daniel. Belcher, Daniel, Williams, and Voege. Brady, Charles V. Brady, Charles V., and Ottinger. Davis, Harold C., and Claridge. Hoeppner, Arthur D., and Hayes. Knudseth, Harold V. Pierce, Robert E. Schenck, Arthur E. Scruggs, Thomas M. Scruggs, Thomas M., and Hall. Sparks, William B.

Bemis, Ken E., Oakland, Calif. Batter dispenser. 2,590,921, Apr. 1.

Bemiss-Jason Company, assignee: *See*— Meller, Reginald B.

Bemmels, Cyrus W., New Brunswick, N. J., assignor to Industrial Tape Corporation. Stabilized rubber adhesive. 2,615,059, Oct. 21.

Benak, George R., assignor to Raymond T. Moloney, Chicago, Ill. Dual action ball switch. 2,600,832, June 17.

Beňák, Karel: *See*— Bureš, Josef, and Beňák.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Plug connector. 2,594,850, Apr. 29.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company Pull-operated switch. 2,606,258, Aug. 5.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Electric socket and receptacle. 2,620,374, Dec. 2.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Lamp socket. 2,620,376, Dec. 2.

Benander, George B., Oaklawn, R. I., and G. R. Lawson, Abington, Mass., assignors, by mesne assignments, to General Electric Company. Electric connector. 2,609,415, Sept. 2.

Bénard, Christian L. G., assignor to Anciens Etablissements Barbier-Benard & Turenne, Paris, France. Lighting of operating rooms. 2,609,484, Sept. 2.

Benbow, Burtis W., Benbow, Calif. Electrical contacting equipment. 2,583,318, Jan. 22.

Benbow, James D., assignee: *See*— Antos, Joseph.

Benchemoul, Norbert R., Paris, France. Variable liquid resistance apparatus. 2,599,806, June 10.

Bencich, John S., San Francisco, Calif. Protective container for pies and cakes. 2,606,651, Aug. 12.

Bender, Emil A., Bakersfield, Calif. Portable derrick. 2,593,246, Apr. 15.

Bender, Frank M., Evanston, Ill. Tie holder. 2,589,036, Mar. 11.

Bender, Harry, Torrance, Calif., assignor to Stauffer Chemical Company. Insecticide. 2,623,838, Dec. 30.

Bender, Harry, and H. M. Pitt, Torrance, Calif., assignors to Stauffer Chemical Company. Manufacture of a diphenyl sulfone. 2,593,001, Apr. 15.

Bender, Harry, Princeton, and W. B. Voorhis, East Orange, assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacturing a filament unit. 2,609,590, Sept. 9.

Bender, John C., Hartville, Ohio. Hitch. 2,600,959, June 17.

Bender, John C., assignor to Houston Oil Field Material Company, Inc., Houston, Tex. Expansible coil for testing material. 2,622,125, Dec. 16.

Bender, John C., and C. T. Baker, assignors to Houston Oil Field Material Company, Inc., Houston, Tex. Conformable coil. 2,622,126, Dec. 16.

Bender, John H.: *See*— Shooter, Donald H., and Bender.

Bender, John M., assignor to Inter-Collegiate Press, Kansas City, Mo. Loose-leaf binder. 2,582,953, Jan. 22.

Bender, Joseph L., assignor to Stewart-Warner Corporation, Chicago, Ill. Electronic temperature control. 2,586,291, Feb. 19.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible bracelet. 2,608,050, Aug. 26.

Bendfelt, Herbert A., Oak Park, assignor to Mills Industries, Incorporated, Chicago, Ill. Heat exchanger. 2,622,854, Dec. 23.

Bendix Aviation Corporation, assignee: *See*— Adams, Frank. Alexanderson, Howard A., and Hague. Alexanderson, Howard A., and Le Febvre. Baring-Gould, Sabine L., and Sleeper. Barnes, Charles M. Bechberger, Paul F., and Peterson. Bechtold, Edwin W. Beck, Robert F. Berinser, George E. Beringer, George E., and Sanders. Bevins, James E. Blancher, Donald W. Brandau, William E. Briggs, Vernon R. Brinson, Harry A., and Faatz. Buckley, Clayton G. Burley, Robert M. Burnett, Richard T. Buxton, James E. Campbell, William J. Cintron, Juan E. Conviser, Harry. Cripe, Maxwell L. Deardorff, Clinton E. Deardorff, Clinton E., and Elder. Deardorff, Clinton E., and Meddock. Dember, Alexis B. Digby, James J. Divoll, Richard L. Dombeck, Edward K. Dooley, George W. Driscoll, Paul A.

Bendix Aviation Corporation, assignee: *See*—Continued.
Du Bois, William H.
Elder, William E.
Eltgroth, George V.
Emerson, John F.
Fillebrown, William C.
Fisher, Marcus C.
Flanagan, Robert M.
Fox, Kenneth H.
Frazier, Radford K.
Frerer, Paul G.
Fricke, Guy C.
Gagen, Charles V.
Gartner, Lawrence E.
Gilbert, Samuel.
Gillespie, Harold S.
Goldberg, Harold.
Gordon, James F.
Gordon, Malcolm K., Jr.
Gordon, Malcolm K., Jr., and Lischick.
Guillot, Philip J., and Karp.
Hargreaves, William.
Hargreaves, William, and Bechberger.
Hauck, Vernon D., Ogden, and Cosby.
Haugen, Glenn L.
Hedlger, Walter.
Holmes, Bradford B.
Holmes, Bradford B., and Pauly.
Hood, E. Elliott.
Hood, Edwin E.
Hosford, Norman F.
House, Bryan E.
Howe, James A., and Nevalonny.
Jandasek, Joseph.
Jandasek, Vladimir J.
Janowski, Stephen L.
Karp, Harry R., and Blanchard.
Kasten, Walter.
Kimball, Vernon R., and Malornay.
Kinndey, David C., Peterson, and Ringe.
Konet, Henry.
Konet, Henry, and Noxon.
Lee, Richard A.
Leszak, John, and Zimmerman.
Lindsteadt, Walter J.
Livers, Carlos B.
Livers, Carlos B., and Meddock.
Long, Richard H.
Long, Richard H., and Prather.
MacCallum, Alan M.
MacCallum, Alan M., and Baring-Gould.
MacCallum, Alan M., and Hargreaves.
MacDuff, Stanley I.
Malornay, Robert T.
Marmont, George H.
McClelland, Richard P., and Kishbaugh.
McLinden, James E., Jr.
McNaney, Joseph T.
McNulty, John V.
McNulty, John V., and Knudson.
Meddock, Alvin A.
Metsger, Charles S.
Miller, Donald L.
Miller, John M., Jr.
Miller, Raymond J., Garmager, and Whelpley.
Mock, Frank C.
Molinare, Nicholas.
Nardone, Romeo M.
Nelld, William G.
Neuner, Martin J.
Noxon, Paul A.
Noxon, Paul A., MacCallum and Bennett.
Noxon, Paul A., and Reichel.
Parker, Leland C.
Perkins, Corles M., Sr.
Peterson, Joel D., and Lawrence.
Peterson, John E.
Pontius, George W., III.
Poole, Harmon A., Jr.
Prather, Edwin E.
Price, Earl R.
Price, Harold W.
Purdy, Rolland M.
Ringer, Evue J.
Ross, Frederick W.
Rossire, F. Henry S.
Rossire, Francis H. S.
Roush, Guy F.
Rudd, Maurice A.
Ryisky, Gregory V., and Anderson.
Schneck, Frederick W., and McNelll.
Scnultz, Harold B.
Seifried, Paul E.
Sekella, Youston.
Seliger, Rudolf R.
Shaff, Ernest H.
Sloane, Robert W.
Sloane, Robert W., Thomas, and Fricke.
Stamper, Hamilton A.
Stamper, Hamilton A., Blackman, and Nelson.
Stamper, Hamilton A., Nelson, and Wippert.
Stelzel, Roderick W.
Strehinger, Richard R.
Stuart, Alfred A.

Bendix Aviation Corporation, assignee: *See*—Continued.
Stuart, Alfred A., Jr.
Teague, Walter D., Jr.
Templeman, Thomas M.
Thomas, Thomas H.
Thomas, Thomas H., Hupp, and Williams.
Thomas, Thomas H., Price, and Long.
Thompson, Thomas J.
Toblas, Arthur R.
Tognola, Tullio.
Torsch, Charles E.
Tyson, Miller S.
Uline, William A., and Rowell.
Volk, Emil A., Jr.
Volz, Arthur J., and Haase.
Wechsler, Leonard.
Wheeler, Richard H.
Wilde, Charles.
Winkler, Albert H.
Wirth, Emil O., and Barfod.
Wofford, George D.
Wood, Louvan E.
Wood, Louvan E., and Vining.
Zimmerman, Harry F.
Zito, George V.

Bendix, Gordon H., and R. E. Henry, Park Ridge, and N. H. Strodtz, Eola, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Preservation of green color in canned vegetables. 2,589,037, Mar. 11.

Bendix Home Appliances, Inc., assignee: *See*—
Constantine, Arthur R.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Casler, Roger H.

Bendure, John E.: *See*—
Lippard, Thomas R., and Bendure.

Bendz, Waldemar L., Weston, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,590,491, Mar. 25.

Benedek, Elek K., Chicago, Ill. Hydraulic propeller pitch change mechanism. 2,604,951, July 29.

Benedict, Alton E., Fair Lawn, N. J. Motion converting apparatus. 2,622,445, Dec. 23.

Benedict, Bruce C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Refining lubricating oil. 2,590,490, Mar. 25.

Benedict, Bruce C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Three-stage propane fractionation of reduced crude oil. 2,600,389, June 17.

Benedict, Bruce C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Propane fractionation of reduced crude oil with recycle of heavier bottoms. 2,606,859, Aug. 12.

Benedict, Louis A., and W. J. Klauer, assignors to Klauer Manufacturing Company, Dubuque, Iowa. Alcohol heater for refrigerator cars. 2,582,900, Jan. 15.

Benedict, Manson, Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Mass diffusion process and apparatus. 2,609,059, Sept. 2.

Benedict, Marcus C.: *See*—
Redding, Arnold H., and Benedict.

Benedict, Michael D., Jr., Lynn, and M. J. Shultzler, Brookline, Mass., assignors to The Gillette Company. Blade dispensing magazine. 2,617,520, Nov. 11.

Benedict, Robert G., and F. H. Stodola, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Antibiotic production from streptomyces griseo-carneus. 2,617,755, Nov. 11.

Benedict, Vincent G., Solvay, N. Y. Boat anchor. 2,612,131, Sept. 30.

Benedict, Walter E., Newtown, and E. B. McBride, Philadelphia, Pa., assignors to Sloane-Blabon Corporation, Hutchinson Mills, N. J. Covering materials and producing the same. 2,605,204, July 29.

Benedum, Charles L., Clarksburg, W. Va. Aerodynamic smoke tunnel. 2,616,291, Nov. 4.

Benenati, Robert F., Brooklyn, N. Y., and H. F. Buschow, North Arlington, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Regenerator and packing therefor. 2,602,645, July 8.

Benes, Gaspar P., Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Apparatus for shaping metal plates. 2,581,622, Jan. 8.

Benes, John J., Jr., assignor to Continental Electric Company, Geneva, Ill. Fluorescent lamp coating. 2,621,997, Dec. 16.

Benfield, John D., Detroit, Mich. Pipe and tubing bender. 2,584,537, Jan. 5.

Benge, Cleave R., Benkelman, Nebr. Snap-on line guide for fishing poles. 2,596,835, May 13.

Benge, Joseph B., Evanston, Ill. Sign. 2,586,504, Feb. 19.

Bengtsson, Erik B., Karlskoga, assignor to Aktiebolaget Bofors, Bofors, Sweden. Manufacture of bright, stable, and light-proof sulfonamide resins. 2,609,350, Sept. 2.

Bengtsson, Johan F., New York, N. Y. Weighing scale. 2,610,845, Sept. 16.

Benham, Kent W.: *See*—
Anderson, Thomas F., and Benham.

Benlams, Herman N., assignor to Cutter Laboratories, Berkeley, Calif. Acetyl globin and preparation. 2,597,432, May 20.

Benlan, Souren, Detroit, Mich. Bumper guard. 2,614,877, Oct. 21.

Beniers, Emil, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany. Wool dyestuffs. 2,613,209, Oct. 7.

Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Water emulsifiable soil-poison concentrate. 2,588,318, Mar. 4.

Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions containing organic polymeric sulfides and metal salts of 8-hydroxyquinoline and preparing same. 2,588,796, Mar. 11.

Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungi and bacteria resistant papermakers' felts and preparing same. 2,594,384, Apr. 29.

Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungistatic copolymers of butadiene-1,3 and organic nitriles. 2,608,551, Aug. 26.

Benison, William B., Maskellya, Ceylon. Transplanting device. 2,599,087, June 3.

Benjamin, Clarence F., North Harlowe, N. C. Hammock stand. 2,581,623, Jan. 8.

Benjamin, Cordelia P., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner adapted to carry cleaner tools. 2,608,709, Sept. 2.

Benjamin Electric Manufacturing Company, assignee: *See*—
Leinen, Arthur P.
Meyer, Alva H.

Benjamin, Frederick E., assignee: *See*—
Fornelius, Henry A. G.

Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin. Index fixture. 2,600,960, June 17.

Benke, William, assignor of ninety per cent to M. A. Bauml, San Antonio, Tex. Paper roll holding device. 2,622,814, Dec. 23.

Benner, Joseph A., Lancaster, and J. M. Sharf, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Plastic container closure. 2,586,775, Feb. 26.

Benner, Lloyd N., Brunswick, Maine. Electric power indicating switch. 2,610,237, Sept. 9.

Benner-Nawman, Inc., assignee: *See*—
Forbes, Gordon B., Jr.
Nawman, Rollie B.

Benner, Paul B., assignor to Caterpillar Tractor Co., Peoria, Ill. Cable laying sheave. 2,591,770, Apr. 8.

Benner, Roland G., and A. C. Stevenson, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of dinitroaromatic compounds. 2,619,503, Nov. 25.

Bennert, Malcolm O., Methuen, and N. C. Moore, West Newbury, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for supporting cores in toroidal coil winding machines. 2,608,892, Sept. 2.

Bennes, Charles D., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Apparatus for marking a control record. 2,618,338, Nov. 18.

Bennett, Alfred: *See*—
Noxon, Paul A., MacCallum, and Bennett.

Bennett, Alfred, and D. H. Prince, Widnes, and G. E. Edwards, Runcorn, England, assignors to Imperial Chemical Industries Limited. Electrolytic cell. 2,599,363, June 3.

Bennett, Alva H.: *See*—
Tillyer, Edgar D., and Bennett.

Bennett, Arthur H.: *See*—
Plampiano, Frank and Bennett.

Bennett, Arthur L., Oak Park, and G. A. Mitchell, Maywood, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Cementing carbon block to porcelain blocks. 2,602,963, July 15.

Bennett, Arthur N.: *See*—
Brown, Robert J., Nees, and Bennett.

Bennett, Bailey: *See*—
Boyd, Robert E., McFadden and Bennett.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,597,222, May 20.

Bennett, Charles R., Cleveland, Ohio. Razor blade securing device. 2,605,541, Aug. 5.

Bennett, David A., and R. E. Bennett, Lenox, Iowa. Cornstalk crusher. 2,585,296, Feb. 12.

Bennett, E. R., assignee: *See*—
Smith, William O.

Bennett, Edward, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Measuring and reporting variables of electric and electromechanical systems. 2,581,831, Jan. 8.

Bennett-Feragen Inc., assignee: *See*—
Bennett, Harold L.

Bennett, Frank: *See*—
Hallowell, Howard T., Jr., and Bennett.

Bennett, Frank P., Riverside, and A. E. Webb, assignors to Three Dimension Company, Chicago, Ill. Slide changing device for stereopticon projectors. 2,590,492, Mar. 25.

Bennett, Gardell L., Schenectady, N. Y., assignor to General Electric Company. Magnetic torque device. 2,591,395, Apr. 1.

Bennett, George, Bronson, Mich. Insect catcher. 2,604,723, July 29.

Bennett, Harold L., assignor to Bennett-Feragen Inc., South Bend, Ind. Wheel lift for vehicle testing machines. 2,583,201, Jan. 22.

Bennett, Jack O., Jackson Heights, N. Y. Chart holder. 2,603,896, July 22.

Bennett, James A.: *See*—
Elliott, Raymond G., and Bennett.

Bennett, James A. J., Dumbarton, Scotland. Helicopter rotor construction. 2,589,527, Mar. 18.

Bennett, James C., Inglewood, assignor to Anderson Die Casting & Engineering Corporation, Los Angeles, Calif. Venetian blind tilting mechanism. 2,599,884, June 10.

Bennett, John D., Beaumont, Tex., assignor to International Derrick & Equipment Company, Columbus, Ohio. Hydraulic adapter. 2,590,362, Mar. 25.

Bennett, John D., Beaumont, Tex., assignor to International Derrick & Equipment Company, Columbus, Ohio. Combined traveling block, adapter, and hook. 2,622,846, Dec. 23.

Bennett, Marvin A.: *See*—
General, Joseph, and Bennett.

Bennett, Marvin F., Hastings, Nebr. Micrometer. 2,611,967, Sept. 30.

Bennett, Norman, Washington, D. C. Multibumper grille. 2,585,530, Feb. 12.

Bennett, Oswald H., Gallatin Gateway, Mont. Dam forming machine. 2,622,501, Dec. 23.

Bennett, Reuel W.: *See*—
Jardon, Fritz W., and Bennett.

Bennett, Rexford P., Honesdale, Pa., assignor to The Formica Company. Bobbin. 2,605,059, July 29.

Bennett, Robert N., McComb, Ohio, assignor to Gar Wood Industries, Inc., Detroit, Mich. Adjustable mounting for ditching wheel excavators. 2,603,008, July 15.

Bennett, Robert N., McComb, assignor to The Fairfield Engineering Company, Marion, Ohio. Conveyer boom hoisting system. 2,623,629, Dec. 30.

Bennett, Roswell J.: *See*—
Schumacher, Erwin A., and Bennett.

Bennett, Rowland K.: *See*—
Cornell, Milton L., and Bennett.

Bennett, Roy E.: *See*—
Bennett, David A. and R. E.

Bennett, Samuel M., Brighton, Colo. Toilet flush tank float valve. 2,598,967, June 3.

Bennett, Thomas G., Hamden, assignor to West Haven Shipyard, Incorporated, West Haven, Conn. Hoisting and dumping apparatus for oyster dredges or the like. 2,605,917, Aug. 5.

Bennett, Thomas R., Kingsbury, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Web-renewing mechanism for printing and other machines. 2,620,994, Dec. 9.

Bennett, Thomas R., Kingsbury, London, and C. E. F. Willis, Norbury, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Web-tensioning mechanism for use on printing machines. 2,617,610, Nov. 11.

Bennett, Tom J., Oklahoma City, Okla. Sign with interchangeable characters. 2,608,014, Aug. 26.

Bennett, Twiggs, Amite, La. Bee brooder. 2,600,194. June 10.

Bennett, Wallis R., and C. A. Cummins, assignors to The Dow Chemical Company, Midland, Mich. Decolorizing caustic soda solutions. 2,601,203, June 17.

Bennett, Warren P., Boerne, Tex. Fishing reel seat. 2,616,204, Nov. 4.

Bennett, Wesley B., assignor to Westward Washing Machine Company, Detroit, Mich. Flexible coupling. 2,586,604, Feb. 19.

Bennett, Willard H., Chevy Chase, Md. Discharging static electricity from airplane radio antennas. 2,583,540, Jan. 29.

Bennett, William H.: *See*—
Sebring, Frank E., and Bennett.

Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Time comparator. 2,593,650, Apr. 22.

Bennett, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Error correction in sequential code pulse transmission. 2,596,199, May 13.

Benning, Anthony F., Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluoronlkylphosphoric compounds. 2,597,702, May 20.

Benning, Anthony F., Woodstown, and E. G. Young, Clarksboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing organic compounds containing fluorine. 2,615,926, Oct. 28.

Benning, Walter F., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Power take-off mechanism and drive therefor. 2,618,979, Nov. 25.

Benninga (Mitcham) Limited, assignee: *See*—
Schoenfeld, Henry D.

Bennington, Charles H., assignee: *See*—
Bennington, Charles S.

Bennington, Charles S., assignor of one-half to C. H. Bennington, Roosevelt, N. Y. Making fashioned weft knit fabric. 2,616,275, Nov. 4.

Bennington, Clyde W., Ferndale, assignor to Detroit Edison Company, Detroit, Mich. Adjustable leg iron for climbers. 2,607,522, Aug. 19.

Benoit, Edmond, Paris, France, assignor to Societe Anonyme Societe Nationale de Constructions Aeronautiques Du Sud-Est. Hollow structural element for vehicles and more especially for aircraft. 2,604,280, July 22.

Benoit, Henry F., Charlton City, Mass. Stock switch. 2,586,144, Feb. 19.

Benrus Watch Company, Inc., assignee: *See*—
Lazrus, Benjamin.
Marchand, Adamir.
O'Neill, Henry J.
Slater, Norman.

Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Variable warp airfoil. 2,584,663, Feb. 5.

Benson, Bernard S., Malibu, and R. E. Brown, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Converting device. 2,620,981, Dec. 9.

Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Firing mechanism for semi-automatic firearms and safety therefor. 2,585,620, Feb. 12.

Benson, Ernest H., Kansas City, Mo. Filler opening for containers. 2,612,285, Sept. 30.

Benson, Evelyn R. Cynwyd, Pa. Antiinfection spreading shield. 2,623,523, Dec. 30.

Benson, Harold R., Maywood, assignor to NuArc Company, Chicago, Ill. Arc lamp. 2,616,059, Oct. 28.

Benson, Homer E.: *See*—
Crowell, Joyce H., and Benson.

Benson, John G., Oswego, N. Y. Velocity indicator for moving vehicles. 2,583,202, Jan. 22.

Benson-Lehner Corporation, assignee: *See*—
Lehner, George F. J., Brown, and Burkhart.

Benson Manufacturing Company, assignee: *See*—
Dean, George A.

Benson, Oden B., Woodmere, N. Y. Flushing device for outboard motors. 2,611,631, Sept. 23.

Benson, Victor A., Santa Clara, Calif. Combined bracket and latch for oven doors. 2,611,360, Sept. 23.

Bent, Arthur J., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Valve device. 2,591,118, Apr. 1.

Bent, Arthur J., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake cylinder device. 2,597,917, May 27.

Bent, Arthur J., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control apparatus for free piston machines. 2,608,052, Aug. 26.

Benteman, Arland E., Randolph, Kans. Coupling pin lock for trailer hitches. 2,593,247, Apr. 15.

Bentley, Byron R., assignee: *See*—
Sadler, Luther E.

Bentley, Clarence, assignee: *See*—
Robbins, Winnie D.

Bentley, Clarence H.: *See*—
Bletcher, Ralph E., Bentley, and Bucknell.
Bletcher, Ralph E., Bentley, and Ward.

Bentley, Clarence H., Los Angeles, Calif., assignor of ten per cent to R. E. Bletcher, twelve and one-half per cent to E. H. Bucknell, twelve and one-half per cent to M. Bucknell, ten per cent to P. W. Bletcher, twenty-five per cent to M. B. Liston, ten per cent to J. H. Bletcher, ten per cent to H. B. Skinner, and ten per cent to C. R. B. Robertson (also known as Mrs. F. K. Robertson). Shower head. 2,580,722, Jan. 1.

Bentley, Edward P.: *See*—
Draper, Charles S., and Bentley.
Whipple, Jack V., and G. P. and E. P. Bentley.

Bentley Engineering Company Limited, The, assignee: *See*—
Deans, Frederick E., and Wainwright.

Bentley, George P.: *See*—
Whipple, Jack V., and G. P. and E. P. Bentley.

Bentley, George P., Garden City, and F. R. House, Baldwin, assignors to Instrument Development Laboratories, Inc., Williston Park, N. Y. Stereopticon phonograph. 2,587,433, Feb. 26.

Bentley, Howard C., Detroit, and R. J. Bentley, deceased; R. Bentley, Monroe, Mich., special administratrix. Filling spout. 2,598,670, June 3.

Bentley, Oliver D. H., Dover, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spin vane control for fans. 2,621,848, Dec. 16.

Bentley, Robert J.: *See*—
Bentley, Howard C., and R. J.

Bentley, Rose, special administratrix: *See*—
Bentley, Howard C., and R. J.

Bentley, William A.: *See*—
Faulkner, Richard D., and Bentley.

Benton, William H., Jr., Marion, Ind., assignor to Anaconda Wire and Cable Company. Abrasion resistant electric cable. 2,614,147, Oct. 14.

Benua, William E., Columbus, Ohio. Automatic speed-synchronizing mechanism for twin engines. 2,599,885, June 10.

Benveniste, Jacob: *See*—
Jensen, Garold K., and Benveniste.

Benz, Herbert G., St. Paul, Minn. Tire pressure alarm. 2,620,762, Dec. 9.

Benze, Henry F., Emmett, Nebr. Combination toy. 2,605,812, Aug. 5.

Benzer, Seymour: *See*—
Lark-Horovitz, Karl, Benzer, and Davis.

Benzer, Seymour, Pasadena, Calif., assignor to Purdue Research Foundation, La Fayette, Ind. Photovoltaic device. 2,622,117, Dec. 16.

Benzon-Petersen, Boye, assignor to Aktiebolaget Akerlund & Rausing, Lund, Sweden. Cardboard packing. 2,608,339, Aug. 26.

Bernanek, Leo L., Cambridge, Mass. Acoustic material which thermodynamically absorbs sound. 2,595,047, Apr. 29.

Beranek, Rudolph B., Columbus, Ohio, assignor to American Blower Corporation, Dearborn, Mich. Fan wheel. 2,592,851, Apr. 15.

Berarducci, Albert L.: *See*—
Berarducci, Peter P. and A. L.

Berarducci, Peter P., Plainville, and A. L. Berarducci, Southington, assignors to B & L Tool & Machine Company, Plainville, Conn. Electrically heated paint and paper softening tool. 2,612,586, Sept. 30.

Berbé, François: *See*—
Ferrero, Paul, Berbé, and Flamme.

Berberich, Leo J., and O. E. Anderson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flexible siliceous sheet material, making, and composition therefor. 2,590,493, Mar. 25.

Berchak, Jack, Elmira, N. Y. Fishing rod and reel. 2,599,219, June 3.

Bercheau, Hubert C., Jr., White Bear, Minn., and H. F. Pierce, Detroit, Mich. Method and apparatus for lifting concrete products. 2,614,880, Oct. 21.

Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Valve. 2,593,527, Apr. 22.

Berdan, George D., Fort Worth, Tex. Combined mower and trimmer. 2,608,043, Aug. 26.

Berden, Amedie C.: *See*—
Den Hertog, Martinus, and Berden.

Berdick, Murray, New York, and H. R. Hochstadt, Brooklyn, N. Y., assignors to the United States of America as represented by the Secretary of the Army. Compressed fuel units of diisopropylideneglyoxal. 2,604,389, July 22.

Bereit, Edwin W., Cleveland, Ohio, assignor to Ingalls Stone Company, Bedford, Ind. Hydraulic moving, positioning, and holding mechanism. 2,592,001, Apr. 8.

Beresford, James, & Son Limited, assignee: *See*—
Smith, Sidney A.

Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Absorption refrigeration machine. 2,583,722, Jan. 29.

Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Tube bundle for heat exchangers. 2,599,428, June 3.

Berg, Bernard, Port Edward, British Columbia, Canada. Tool rack for meat blocks. 2,591,229, Apr. 1.

Berg, Claes, assignor to Aktiebolaget Overums Bruk, Overum, Sweden. Depth control of tractor-carried agricultural implements. 2,621,575, Dec. 16.

Berg, Clyde H. O.: *See*—
Imhoff, Donald H., and Berg.
Reed, Homer C., Berg, and Leffert.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,583,352, Jan. 22.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Level control. 2,590,148, Mar. 25.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus therefor. 2,594,615, Apr. 29.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Absorption process and apparatus. 2,603,306, July 15.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,603,553, July 15.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,609,887, Sept. 9.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,616,515, Nov. 4.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,616,521, Nov. 4.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Absorption process and apparatus. 2,616,829, Nov. 4.

Berg, Earl L.: *See*—
Cooper, Miles S., and Berg.

Berg, Elaine, Chicago, Ill. Blouse holder. 2,608,691, Sept. 2.

Berg, Elaine, Chicago, Ill. Combined stocking supporter and blouse holder. 2,608,692, Sept. 2.

Berg, Elaine, Chicago, Ill. Ear muff. 2,609,544, Sept. 9.

Berg, Elaine, Chicago, Ill. Head covering. 2,616,089, Nov. 4.

Berg, Elaine, Chicago, Ill. Head covering. 2,616,092, Nov. 4.

Berg, Gösta V., Karlskoga, and N. J. Hallman, assignors to Aktiebolaget Zander & Ingestrom, Stockholm, Sweden. Control of the steam generation in electric steam boilers. 2,598,490, May 27.

Berg, Gustav, Glasgow, Scotland. Beating up mechanism for looms, especially for manufacturing terry toweling. 2,599,313, June 3.

Berg, Jack G.: *See*—
Schear, Ralph D., and Berg.

Berg, Jacob, Kommandit-Gesellschaft, assignee: *See*—
Goedecker, Jacob, and Meske.

Berg, Nels O.: *See*—
Budnick, Abraham M., and Berg.

Berg, Nels O., and A. M. Budnick, Seattle, Wash. Adjustable hospital table. 2,587,094, Feb. 26.

Berg, O. Magnus, Houston, Tex. Snatch block. 2,584,783, Feb. 5.

Berg, Quentin, New Cumberland, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,594,281, Apr. 29.

Berg, Quentin, New Cumberland, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Coiled strip of electrical terminals. 2,604,986, July 29.

Berg, Samuel S., and J. N. Ashley, Dagenham, England, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparing phenthiazine derivatives. 2,607,773, Aug. 19.

Berg, Sidney D.: *See*—
Smith, Merritt E., and Berg.

Berg, Willie, Chicago, Ill. Derby and mute rack holder 2,591,041, Apr. 1.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Method of and tool for crimping tubes. 2,583,625, Jan. 29.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electric cable connector. 2,587,095, Feb. 26.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,600,371, June 10.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. T tap. 2,604,341, July 22.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Insulation piercing wire connector. 2,604,508, July 22.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Insulated wire joint. 2,618,684, Nov. 18.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Forming spliced sector cables. 2,622,314, Dec. 23.

Bergan, Martin D., Westfield, and M. A. Graham, assignors to The Thomas & Betts Co., Elizabeth, N. J. Electrical clasp connector. 2,615,736, Oct. 28.

Berge, Byron T.: *See*—
Larson, Leonard, and Berge.

Berge, Godshalk, assignor to Aladdin Industries, Incorporated, Chicago, Ill. Reduction of the powders of the oxides of iron or iron alloys. 2,606,110, Aug. 5.

Bergen, Hans P., Ogden, Utah. Hair clipper machine. 2,608,184, Aug. 26.

Bergen Machine & Tool Company, Inc., assignee: *See*—
Brown, Charles K., Jr.

Bergen Pipesupport Corporation, assignee: *See*—
Kohler, John.

Bergen, Richard L., Wilmette, and W. B. Johnson, Chicago, Ill. Electric heating devices. 2,607,876, Aug. 19.

Bergen, Stephen A.: *See*—
Marchment, William T., Boundy, and Bergen.

Bergendal, Gunnar, Angby, near Stockholm, Sweden. Dental implement. 2,618,855, Nov. 25.

Berger, Arthur: *See*—
Wolff, Hans, and Berger.

Berger Brothers Company, The, assignee: *See*—
Moller, Conrad G.
Versoy, Irving R.
Versoy, Irving R., and Rapuano.

Berger, France B., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Instantaneous square-root-extracting circuit. 2,605,962, Aug. 5.

Berger, Frederick J., assignor to Doran Brothers, Incorporated, Danbury, Conn. Pouncing machine with heated grease pad. 2,615,600, Oct. 28.

Berger, Heinrich, and R. Linke, Weinheim-Bergstrasse, Germany. Halogen containing resin stabilized with an acetylene alcohol. 2,603,622, July 15.

Berger, Jacob, assignee: *See*—
Sarnak, Joseph J.

Berger, Leo: *See*—
Lee, John, and Berger.

Berger, Leo, Nutley, and J. Lee, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 1-alkyl-3-benzohydryl piperidines. 2,599,364, June 3.

Berger, Leo, Nutley, and J. Lee, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidine derivatives. 2,599,365, June 3.

Berger, Martin M., and J. Morales, New York, N. Y. Cigar vending apparatus. 2,599,685, June 10.

Berger, Meyers M., Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Extractor. 2,586,292, Feb. 19.

Berger, Samuel I., Newark, N. J. Brush holder for miniature electric motors. 2,602,099, July 1.

Berger, Samuel I., Newark, N. J. Reversible toy vehicle. 2,618,101, Nov. 18.

Berger, Sidney M., Brooklyn, N. Y. Stapling machine. 2,587,096, Feb. 26.

Berger, William L., National City, Calif. Alternating actuator for a pair of flexible cords. 2,620,534, Dec. 9.

Bergeron, Alfred, Chicopee Falls, Mass. Piston ring construction. 2,594,282, Apr. 29.

Bergeron, Arthur J., Kittery, Maine. Individual poultry roost. 2,582,095, Jan. 8.

Bergeron, Arthur J., Kittery, Maine. Automatic poultry feeder. 2,583,203, Jan. 22.

Bergeron, Rosaire, St.-Simon de Drummondville, Quebec, Canada, assignor of fifty per cent to R. D. Murphy. Punch for opening cans. 2,620,558, Dec. 9.

Bergeson, Harold B., Wilmington, Ill. Welding rod holder. 2,609,471, Sept. 2.

Bergey, Elmer E., Lansdale, Pa., assignor to National Casein Company, Chicago, Ill. Gluing a plurality of wooden elements comprising curing a urea formaldehyde adhesive by means of high-frequency heating. 2,591,771, Apr. 8.

Bergfors, Carl A.: *See*—
Dickinson, Arthur H., Phelps, and Bergfors.

Bergfors, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Peaked pulse generator. 2,598,491, May 27.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,230, Jan. 1.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,231, Jan. 1.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,232, Jan. 1.

Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,608,718, Sept. 2.

Berggren, George E., and L. W. Lovett, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,601,699, July 1.

Berggren, Hal C.: *See*—
Jarrett, Jerry, and Berggren.

Berggren, Lloyd E., Verona, N. J., and A. A. Kurtis, New York, N. Y., assignors to Curtiss-Wright Corporation. Orifice type flame holder construction. 2,592,110, Apr. 8.

Berggren, Lloyd E., Roseland, N. J., and D. Miller, Lynchburg, Va., assignors to Curtiss-Wright Corporation. Annular combustion chamber with multiple notched fuel nozzles. 2,607,193, Aug. 19.

Berglund, David J., U. S. Army. Collapsible tube squeezer with combined handle and presser foot. 2,620,092, Dec. 2.

Berglund, Lawrence E., Minneapolis, Minn. Support for fur neckpieces. 2,582,308, Jan. 15.

Berglund, Orion W.: *See*—
Denlston, George L., and Berglund.

Berglund, Orion W., Dayton, assignor to The Orr Felt Blanket Company, Piqua, Ohio. Web carrier and making. 2,589,765, Mar. 18.

Berglund, Ralph M., South Bellingham, assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash. Apparatus for boning and slitting fish. 2,612,652, Oct. 7.

Berglund, Sven G., Rockford, and E. C. Karp, assignors to Sanitary Scale Company, Belvidere, Ill. Meat tenderizer. 2,622,269, Dec. 23.

Bergman, Charles P., deceased, Brooklyn, N. Y., by W. V. Elliott, administrator, assignor to Rockwell Manufacturing Company. Bearing for fluid meters. 2,607,640, Aug. 19.

Bergman, Jack, Pittsburgh, Pa. Setting mechanism for direct reading numeral clocks. 2,587,277, Feb. 26.

Bergman, Sven G.: *See*—
Ohlund, John A. I., and Bergman.

Bergman, Sven G., and J. A. I. Öhlund, assignors to Aktiebolaget Rainbow, Linkoping, Sweden. Fishing reel for fishing rods. 2,623,704, Dec. 30.

Bergman, Wayne K., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Pneumatic lift conduit. 2,610,093, Sept. 9.

Bergman, William E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of carboxymethyl cellulose by ion exchange resins. 2,617,800, Nov. 11.

Bergmann, Andrew M., Cheektowaga, N. Y., assignor to American Optical Company, Southbridge, Mass. Slit mechanism. 2,582,410, Jan. 15.

Bergmann, Christian N., Pittsburgh, assignor of one-third to C. M. Clarke, Sewickley, Pa. Automatic start and stop mechanism. 2,599,220, June 3.

Bergmann, Christian N., Pittsburgh, assignor of one-third to C. M. Clarke, Sewickley, Pa. Conveyer system for receptacles fed to filler machines. 2,599,221, June 3.

Bergmann, Paul F., assignor to Johnson Products, Inc., Muskegon Heights, Mich. Hydraulic tappet. 2,599,886, June 10.

Bergner, Nore E., Appelviken, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separator. 2,591,396, Apr. 1.

Bergonzo, Giovanni, Turin, Italy. Wheel mounting device. 2,597,433, May 20.

Bergquist, Carl H., Strafford, Conn., assignor to General Electric Company. Outlet box and mounting bracket therefor. 2,605,923, Aug. 5.

Bergquist, Theodore W., Willow Groove, assignor to J. E. Lonergan Company, Philadelphia, Pa. Safety valve. 2,597,057, May 20.

Bergqvist, Åke T., and B. I. F. Karlberg, Finspong, Sweden. Locking device for the tubes of telescopic structures. 2,599,222, June 3.

Bergsma, Clarence J., assignor, by mesne assignments, to Indian Sales Corporation, Springfield, Mass. Low capacity gear pump. 2,589,528, Mar. 18.

Bergson, Gustav, Germantown, Pa., assignor to Radio Corporation of America. High input impedance transistor amplifier. 2,609,459, Sept. 2.

Bergstein, Frank D., Cincinnati, Ohio. Transparent tray-like structure. 2,593,834, Apr. 22.

Bergstein, Frank D., Cincinnati, Ohio. Tight carton. 2,604,252, July 22.

Bergstein, Frank D., Wyoming, Ohio. Partition structure and making it. 2,593,092, Apr. 15.

Bergstein, Frank D., trustee, assignee: *See*—
Bergstein, Robert M.

Bergstein, Robert M., Cincinnati, Ohio. Manufacture of articulated panels. 2,587,685, Mar. 4.

Bergstein, Robert M., Cincinnati, Ohio. Knockdown box. 2,590,371, Mar. 25.

Bergstein, Robert M., Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Prelined container having multiple cells. 2,617,576, Nov. 11.

Bergstein, Robert M., Cincinnati, Ohio. Folding box employing nonscorable sheeting. 2,619,275, Nov. 25.

Bergstein, Robert M., Wyoming, Ohio. Partitioned carton. Re. 23,597, Dec. 23.

Bergstein, Samuel, Cincinnati, Ohio. Apparatus for assembling multiple part egg containers and the like. 2,615,378, Oct. 28.

Bergsten, Milford A., East Moline, and W. E. Cade, assignors to Deere & Company, Moline, Ill. Power control for agricultural machines. 2,611,279, Sept. 23.

Bergstrand, Andrew P.: *See*—
Olson, Carl S., and Bergstrand.

Bergstrom, Albert L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Drill bit. 2,597,771, May 20.

Bergstrom, Albert L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Sealed bearing unit. 2,622,944, Dec. 23.

Bergstrom, Carl V., Milwaukee, Wis. Curtain type inside storm window protection. 2,621,724, Dec. 16.

Bergstrom, Eric V.: *See*—
Drew, Robert D., and Bergstrom.
Penick, Joe, and Bergstrom.

Bergstrom, Herman A.: *See*—
Von Glahn, William H., and Bergstrom.

Bergström, Lars O., assignor to Aktiebolaget Bofors, Bofors, Sweden. Rocket discharger. 2,609,730, Sept. 9.

Bergstrom, Leonard A., Racine, Wis. Fertilizer spreader. 2,609,124, Sept. 2.

Bergstrom, Roar H., Skovde, Sweden. Tool post for lathes. 2,616,326, Nov. 4.

Bergvall, Bertil: *See*—
Johansson, Erik, Bergvall, and Alfredsson.

Bergve, Einar, Froen, Vestre Aker, Norway. Insulating metal surfaces. 2,622,992, Dec. 23.

Berhenke, Luther F.: *See*—
Williams, Bill M., Berhenke, and Beman.

Berla, Biagio, Turin, Italy. Certifying device for cash registers. 2,586,201, Feb. 19.

Beringer, George E., assignor to Bendix Aviation Corporation, South Bend, Ind. Making a trunnion for aircraft landing gear. 2,584,832, Feb. 5.

Beringer, George E., and W. E. Sanders, assignors to Bendix Aviation Corporation, South Bend, Ind. Lower member of telescoping shock strut. 2,605,985, Aug. 5.

Beringer, William J., assignor to Aqua-Therm, Inc., Dayton, Ohio. Liquid-gas contact apparatus. 2,609,888, Sept. 9.

Beriou, William P., and E. G. Wilson, Minneapolis, Minn. Convertible table and bar. 2,604,373, July 22.

Berk, Kenneth E.: *See*—
Webster, Warren, and Berk.

Berke Brothers Distilleries Inc., assignee: *See*—
Upton, Frederick P.

Berkebile, Glenn: *See*—
Bastian, Richard R., and Berkebile.

Berkeley Scientific Company, assignee: *See*—
Helkes, Norman L.

Berkemeyer, Robert, Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus. 2,614,823, Oct. 21.

Berken, Barbara B., assignee: *See*—
Buckley, John L., and L. G.

Berker, Ralph C., Hoxsie, R. I. Gill-drawing machine. 2,618,022, Nov. 18.

Berker, Ralph C., Hoxsie, R. I. Gill drawing frame. 2,621,371, Dec. 16.

Berkey, Donald C.: *See*—
Buckland, Bruce O., and Berkey.

Berkey, Donald C., Scotia, N. Y., assignor to General Electric Company. Automatically retractable spark plug for gas turbines. 2,604,510, July 22.

Berkley, Warren D.: *See*—
Boller, William D., Berkley, Ernst, and Landmeier.

Berkman, Boris, assignor to Milkweed Products Development Corporation, Chicago, Ill. Insulated life preserver garment. 2,618,257, Nov. 18.

Berkner, Robert F., Mahnomen, Minn. Grain dusting apparatus. 2,606,096, Aug. 5.

Berkow, Samuel G., Perth Amboy, N. J. Dermasector. 2,592,533, Apr. 15.

Berkower, Louis, Bronx, N. Y. Perpetual calendar. 2,605,567, Aug. 5.

Berkowitz, Joseph, Philadelphia, Pa., and W. Lapin, Los Angeles, Calif. Cooling and dispensing beverages. 2,598,751, June 3.

Berkowitz, Sidney, Forest Hills, N. Y. Flashlight for use in a combined flashlight, cigarette lighter, and writing implement. 2,607,883, Aug. 19.

Berks Electronic Service, Inc., assignee: *See*—
Landis, Harold O.

Berl, Ernst, deceased, by W. G. Berl, executor, Pittsburgh, Pa. Coking coal. 2,591,496, Apr. 1.

Berl, Ernst, deceased, by W. G. Berl, executor, Pittsburgh, Pa. Filling body for gas-liquid contact towers. 2,591,497, Apr. 1.

Berl, Walter G., executor: *See*—
Berl, Ernst.

Berlant Associates, assignee: *See*—
Berlant, Emmanuel.

Berlant, Emmanuel, Culver City, assignor to Berlant Associates, Los Angeles, Calif. Magnetic transducer head and mount therefor. 2,587,097, Feb. 26.

Berlin Chapman Company, assignee: *See*—
Bott, Francis J.

Berlin & Jones Co., Inc., assignee: *See*—
Halahan, John, Aronson, and Lyon.

Berlin, Juan: *See*—
Kaufmann, Stephen, Rosenkranz, and Berlin.

Berliner, Henry A., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Jet propulsion system for airplanes. 2,597,610, May 20.

Berliner, Henry A., Washington, D. C. Piston-type pump. 2,604,907, July 29.

Berliner, Henry A., Washington, D. C., assignor to Engineering & Research Corporation, Riverdale, Md. Variable area tail pipe for jet engines. 2,608,820, Sept. 2.

Berliner, Victor R., Somerville, N. J., assignor to Ortho Pharmaceutical Corporation. Whole fresh egg semen diluter. 2,598,881, June 3.

Berlyn, Martin J., Enfield, Conn., and C. H. Nystrom, West Springfield, assignors to American Bosch Corporation, Springfield, Mass. Pump. 2,601,830, July 1.

Berman, Edith A., Washington, D. C. Self-elevated lap desk. 2,596,094, May 13.

Berman, Elsie L.: *See*—
Berman, Jean S., E. L., and O. A.

Berman, Frank, Brooklyn, N. Y. Wire mesh strainer or the like. 2,585,729, Feb. 12.

Berman, Frank, Pewaukee, Wis. Flashlight with H-shaped frame forming opposed holders for dry cells and lamp head. 2,612,598, Sept. 30.

Berman, Gustave S., New York, N. Y. Sun shield and storm shield. 2,605,777, Aug. 5.

Berman, Hans, Forest Hills, N. Y., and R. I. Prupis, Irvington, assignors to Conmar Products Corporation, Newark, N. J. Apparatus for electrolytic treatment of spaced metallic elements. 2,591,042, Apr. 1.

Berman, Jean S., E. L., and O. A., New York, N. Y. Fountain curling rod. 2,600,727, June 17.

Berman, Oscar A.: *See*—
Berman, Jean S., E. L., and O. A.

Berman, Oscar A., New York, N. Y. Pad for the application or removal of cosmetics. 2,621,354, Dec. 16.

Berman, Robert A., Lawrence, N. Y. Respiratory device. 2,599,521, June 3.

Bermann, Louis D., Ossining, N. Y. Wall box. 2,611,501, Sept. 23.

Bernake, Raymond J.: *See*—
Manske, Joseph J., Martin and Bernake.

Bernard, Arthur A. Chicago, Ill. Portable shape cutter. 2,586,907, Feb. 26.

Bernard, Arthur A., Chicago, Ill., assignor to National Cylinder Gas Company. Shielded arc welding method and gas confining means. 2,590,084, Mar. 25.

Bernard, Arthur A., Chicago, Ill. Shape-cutting machine or the like. 2,600,728, June 17.

Bernard, Arthur A., Chicago, Ill. Arc welding rod and producing same. 2,612,583, Sept. 30.

Bernard, Auguste, assignor to Societe dite: Compagnie de Fives-Lille, Paris, France. Sugar cane mill. 2,612,101, Sept. 30.

Bernard, Edward, Co., assignee: *See*—
Yellin, Morrison.

Bernard, George C.: *See*—
Bond, Donald C., and Bernard.

Bernard, John E., Jr., assignor to Walker Machine & Foundry Corporation, Roanoke, Va. Bench grinder. 2,592,785, Apr. 15.

Bernard, Robert A., Upper Darby, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacture and recovery of diaroyl-diamino-disulfostilbenes. 2,616,926, Nov. 4.

Bernarde, Henry L.: *See*—
Wiese, David B., and Bernarde.

Bernarde, Henry L., Union, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroresponsive device. 2,603,704, July 15.

Bernardelli, Enzo, assignee: *See*—
Belleri, Baldassare.

Bernardelli, Vico, assignee: *See*—
Belleri, Baldassare.

Bernardelli, Vincenzo, assignee: *See*—
Belleri, Baldassare.

Bernardi, Alfredo N., Highland Park, Ill. Lawn trimmer and shrubbery pruner. 2,587,586, Mar. 4.

Bernardin Bottle Cap Co., Inc., assignee: *See*—
Lyon, Edmond H.

Bernardini, Joseph A.: *See*—
Blewett, Howard W., and Bernardini.

Bernardo, Vicente S. D., Binondo, Manila, Philippine Islands. Pin tumbler lock. 2,620,649, Dec. 9.

Bernd, Alfred, Herdecke, Germany. Electric flow heater. 2,618,732, Nov. 18.

Berndt, Richard F., Racine, Wis., assignor to Virkotype Corporation. Powder separator and dispenser. 2,591,043, Apr. 1.

Berndt, Richard F., Racine, Wis., assignor to Virkotype Corporation. Raised printing apparatus. 2,603,180, July 15.

Berner, Emily, New York, N. Y. Tobacco pipe cleaner. 2,602,455, July 8.

Berner, Erling, Gothenburg, Sweden. Sound-absorbing board with holes containing debris material. 2,615,525, Oct. 28.

Berner, Robert G.: *See*—
Bolinger, Edgar D., and Berner.

Berney, Harold J., Washington, D. C., assignor to Aberney Corporation, Bethesda, Md. Rotatably adjustable antenna. 2,594,115, Apr. 22.

Bernfeld, Sandor, B. Bomse and S. Scharfspitz, New York, N. Y. Ball point pen ink. 2,585,531, Feb. 12.

Bernhag, Carl R., Goteborg, Sweden, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Tab sensing means in addressing printing machines. 2,623,453, Dec. 30.

Bernhard, Charles, assignee: *See*—
Bernhard, George.

Bernhard, George, Hewlett, assignor of one-half to C. Bernhard, Great Neck, N. Y. Combination apparatus for liquid fuel. 2,585,081, Feb. 12.

Bernhard, George, Hewlett, N. Y. Combustion apparatus. 2,603,280, July 15.

Bernhard, Joseph, Stepney, Conn., assignor to Consolidated Trimming Corporation, New York, N. Y. Drapery heading. 2,599,429, June 3.

Bernhardt, Ella H., New York, N. Y. Bust form. 2,593,002, Apr. 15.

Bernhardt, Rudolph, Chicago, Ill. Measuring cup. 2,583,808, Jan. 29.

Bernhart, Alv W., New Orleans, La., assignor to Mainmast Securities, Limited, Toronto, Ontario, Canada. Apparatus for cleaning fibrous material. 2,605,510, Aug 5.

Bernhart, Finn W., Holt, and J. B. Hassinen, Mason, Mich., assignors to Wyeth Incorporated, Philadelphia, Pa. Fat composition for infants' food. 2,611,706, Sept. 23.

Bernheim, Daniel P., Southbridge, and C. G. Silverberg, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Lens blocking device. 2,580,507, Jan. 1.

Berni, Louis W.: *See*—
Scannell, Eustace S., and Berni.

Berninger, Kenneth L., Dayton, assignor of one-half to W. F. Stover, Pleasant Hill, Ohio. Percussion tool. 2,602,360, July 8.

Bernstein, Herbert I., and C. F. Fuchs, assignors to The Emulsol Corporation, Chicago, Ill. Preparation of shampoos. 2,588,197, Mar. 4.

Bernstein, Joseph R., Chicago, Ill. Shoe spike. 2,584,182, Feb. 5.

Bernstein, Nahum A., assignee: *See*—
Zepelovitch, Nathan.

Bernstein, Saur: *See*—
Holtz, George F., and Bernstein.

Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Dehydrolsoandrosteryl mercaptan and process. 2,582,918, Jan. 15.

Bernstein, Seymour, and K. J. Sax, Pearl River, N. Y., and D. Giancola, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. $\Delta^{(6,8)}$ androstendiols and process. 2,588,608, Mar. 11.

Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Androstatrienes and preparing the same. 2,593,248, Apr. 15.

Bernstein, Seymour, Pearl River, N. Y., and D. J. Giancola, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. Δ^{7},9-androstadienes and preparing the same. 2,593,249, Apr. 15.

Bernstein, Seymour, Pearl River, N. Y., D. J. Giancola, Jersey City, N. J., and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing $\Delta^{6,7}$-pregnadienes. 2,595,327, May 6.

Bernstein, Seymour, Pearl River, N. Y., and D. J. Giancola, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. $\Delta^{5(6)}$-androstadienes and preparing the same. 2,606,914, Aug. 12.

Bernstein, Seymour, and R. M. Antonucci, Pearl River, and M. D. Heller, Monsey, assignors to American Cyanamid Company, New York, N. Y. Cyclic ketal derivatives of steroids and preparing the same. 2,622,081, Dec. 16.

Bernstein, Wilburn F., Hollywood, Ill., now by judicial change of name W. F. Bradley; E. Bradley, administratrix of said W. F. Bradley, deceased. Magnetic oil seal construction. 2,589,766, Mar. 18.

Bernstein, William, Middle Island, N. Y., and R. Ballentine, Baltimore, Md., assignors to The United States of America as represented by the United States Atomic Energy Commission. Radioactive particle counting. 2,622,208, Dec. 16.

Bernzott, Hugo: *See*—
Du Mais, Leo J., and Bernzott.
Du Mais, Leo J., Bernzott, and Prokop.
Moomaw, Lewis H., and Bernzott.

Berreau, Thomas O.: *See*—
Roell, William J., and Berreau.

Berrick, William M., Baltimore, Md. Matrix stick positioning means. 2,586,776, Feb. 26.

Berridge, Thomas W., Billerica, and H. F. Nordheim, Waltham, Mass. Dispenser for pressure-sensitive tape. 2,582,813, Jan. 15.

Berriman, John A., Corringham, and J. C. Selbie, Upminster, England, assignors to Shell Development Company, San Francisco, Calif. Distillation of furfural. 2,611,740, Sept. 23.

Berry Asphalt Company, assignee: *See*—
Pullar, Harold B.

Berry, Clarence T., deceased, Augusta, Wis., O. Berry, administratrix of said Clarence T. Berry. Lubricating apparatus. 2,615,442, Oct. 28.

Berry, Clifford E., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,583,541, Jan. 29.

Berry, Clifford E., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Variable resolution collector system. 2,593,407, Apr. 22.

Berry, David A., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Preparing a drying oil by dehydrochlorination. 2,587,588, Mar. 4.

Berry, David A., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Dyestuffs and making same. 2,593,406, Apr. 22.

Berry, Edward J., Cranston, and G. T. Allenson, Lincoln, R. I., assignors to Draper Corporation, Hopedale, Mass. Temple mounting means for looms. 2,598,882, June 3.

Berry, Frank, Corinth, Miss., assignor, by mesne assignments, to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Refrigerator compressor. 2,596,640, May 13.

Berry, Frank, Corinth, Miss., assignor, by mesne assignments, to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Multicylinder rotary abutment hydraulic power converter. 2,614,503, Oct. 21.

Berry, Frank W., Long Beach, Calif., assignor by decree of distribution to L. Berry. Testing pipe. 2,610,691, Sept. 16.

Berry, George E., and G. C. Ridings, Washington, D. C. Combination lock. 2,611,259, Sept. 23.

Berry, George W., assignor to Berry Milking System, Modesto, Calif. Milk receiving and discharging unit. 2,583,723, Jan. 29.

Berry, Jack H.: *See*—
Paradise, Louis A., and Berry.

Berry, Jack H., Rock Island, assignor to Deere & Company, Moline, Ill. Baler. 2,620,724, Dec. 9.

Berry, Jack R., assignor to The Buckeye Incubator Company, Springfield, Ohio. Double walled fountain. 2,615,425, Oct. 28.

Berry, Joseph W., Stourbridge, assignor to The Birmingham Aluminum Casting (1903) Company Limited, Birmingham, England. Bobbin. 2,617,613, Nov. 11.

Berry, Lois, assignee: *See*—
Berry, Frank W.

Berry Milking System, assignee: *See*—
Berry, George W.

Berry, Norton E., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Solution preheater for absorption refrigeration systems. 2,584,250, Feb. 5.

Berry, Norton E., Newburg, Ind., assignor to Servel, Inc., New York, N. Y. Air-conditioning apparatus. 2,604,306, July 22.

Berry, Norton E., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Apparatus for controlling the concentration of noncondensable gases in an absorption refrigeration system. 2,610,482, Sept. 16.

Berry, Orofino, administratrix: *See*—
Berry, Clarence T.

Berry, Reni S.: *See*—
Newman, Carl A., and Berry.

Berry, Robert I., Chicago, Ill. Lighting fixture and louver for elongated tubular lamps. 2,586,908, Feb. 26.

Berry, Robert R., San Francisco, Calif. Ore sorting system. 2,587,686, Mar. 4.

Berry, Roger W., Princeton, Ill. Egg separator with thumb operable yolk trap. 2,614,592, Oct. 21.

Berry, Theodore M., Schenectady, N. Y., assignor to General Electric Company. Weft straightener. 2,623,262, Dec. 30.

Berry, Verne H.: *See*—
Hulswit, William H., Jr., Briscoe, and Berry.

Berry, William T., Jr., assignor to Bassett Furniture Industries, Incorporated, Bassett, Va. Angularly and rotatably adjustable work holder and support therefor. 2,616,464, Nov. 4.

Berscheid, Irvine J., Bissett, Manitoba, Canada. Detachable bit. 2,582,944, Jan. 22.

Bersworth, Frederick C., Verona, N. J. Alkylene polyamine methylene phosphonic acids. 2,599,807, June 10.

Bersworth, Frederick C., Verona, N. J. Phosphonic alkylene polyamino acids and producing same. 2,609,390, Sept. 2.

Bert, Raymond E., and J. L. Wetta, Maize, Kans. Cutter bar mounting and control for crop cutting vehicles. 2,596,641, May 13.

Berteaux, Raoul P. J., Uccle-Brussels, assignor to Solvay & Cie, Brussels, Belgium. Producing granular clusters of crystalline matter. 2,594,723, Apr. 29.

Bertein, François: *See*—
Grivet, Pierre, and Bertein.

Bertein, François, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Correcting electronic optical systems. 2,600,463, June 17.

Bertele, Hans C., Purley, England. Metal vapor electric discharge apparatus. 2,594,851, Apr. 29.

Bertele, Ludwig J., Heerbrugg, Switzerland. High-aperture and high-transmission three component objective. 2,600,610, June 17.

Bertele, Ludwig J., Heerbrugg, Switzerland. Optical eyepiece, particularly for wide angles. 2,621,564, Dec. 16.

Bertele, Ludwig, Heerbrugg, Switzerland. Three-component objective. 2,622,479, Dec. 23.

Bertele, Ludwig, Heerbrugg, Switzerland. Four-component objective composed of six lenses. 2,622,480, Dec. 23.

Berterottiere, René, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Multicellular velocity-modulated tube. 2,584,323, Feb. 5.

Berthelsen, Walter, assignor to Pneumatic Scale Corporation Limited, Quincy, Mass. Bottle testing and sorting apparatus. 2,606,657, Aug. 12.

Berthiez, Charles W., Paris, France. Amplifying indicator for the travel of movable machine parts. 2,604,700, July 29.

Berthiez, Charles W., Paris, France. Oil recovery device for machine slideways. 2,620,238, Dec. 2.

Berthiez, Charles W., Paris, France. Device for controlling the speed of a Leonard group. 2,620,462, Dec. 2.

Bertin, Jean H., and R. H. Marchal, assignors to Societe Nationale d'Étude et de Construction de Moteurs d'Aviation, Paris, France. Aerodynamic valve. 2,619,124, Nov. 25.

Bertolet, Elmer C., Jr., Manheim, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for producing airlaid fibrous webs. 2,581,069, Jan. 1.

Bertram, Henry J., Kansas City, Mo. Decoy. 2,622,360, Dec. 23.

Bertram, Sidney, Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Multiple channel electronic switch. 2,594,535, Apr. 29.

Bertrand, Joseph V., Brooklyn, assignor to Hydropress, Incorporated, New York, N. Y. Piston seal. 2,591,230, Apr. 1.

Bertsch, Emil, Bombay, India, assignor to G. Volkart, Winterthur, Switzerland. Method and apparatus for cooling concrete mixture components. 2,595,631, May 6.

Bertschinger, Jacques, Wohlen, Switzerland. Unit for adapting firearms to air gun operation. 2,605,756, Aug. 5.

Berwick, Albert G., Streatham, London, assignor, by mesne assignments, to Gaskell & Chambers Limited, Birmingham, England. Takedown liquid measuring dispenser having resiliently connected inlet and outlet valves. 2,601,359, June 24.

Berwick, Albert G., London, assignor, by mesne assignments, to Gaskell & Chambers Limited, Birmingham, England. Apparatus for cooling liquids. 2,603,072, July 15.

Berwick, Jo D., Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio. Press wheel for farm planter. 2,604,836, July 29.

Bery, Donald N., Denver, Colo. Boat carrier for automobiles. 2,613,020, Oct. 7.

Besag, Ernst, and W. E. Hill, Streetly, and T. D. G. Wintle, Walsall, assignors to J. A. Crabtree & Co. Limited, Walsall, Staffordshire, England. Ambient temperature compensating means for automatic circuit breakers. 2,606,062, Aug. 5.

Besag, Ernst, Streetly, and T. D. G. Wintle, Hall Green, Birmingham, assignors to J. A. Crabtree & Co. Limited, Walsall, England. Thermal overload release device for contactors or automatic circuit breakers. 2,618,720, Nov. 18.

Besag, Ernst, Streetly, and T. D. G. Wintle, Birmingham, assignors to J. A. Crabtree & Co. Limited, Walsall, England. Moving contact of electric switches. 2,620,416, Dec. 2.

Besaw, George A.: *See*—
Welsh, Harold H., and Besaw.

Besha, Leon A.: *See*—
Maxwell, Charles A., Lutton, and Besha.

Bess, Leon, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Voltage pulse generating circuit. 2,589,767, Mar. 18.

Bess, Leon, Kansas City, Mo., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Blocking oscillator. 2,605,423, July 29.

Besse, Victor E., Fort Worth, Tex. Reaming tool. 2,599,887, June 10.

Bessell, Howard W., Manhasset, N. Y., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 2,582,096, Jan. 8.

Bessiere, Pierre E., Paris, assignor to Society "Electro-Mecanique de l'Aveyron," Rodez, France. Electric brake. 2,617,052, Nov. 4.

Besson, Alec P., assignor to Londex Limited, London, England. Measuring apparatus. 2,618,752, Nov. 18.

Bessonnet, Auguste J., and P. C. Borel, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y. Substituting keyboards for dials in telegraph systems. 2,601,239, June 24.

Best, Albert M., assignor to The New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Side rake tooth mounting. 2,608,046, Aug. 26.

Best, Chris E.: *See*—
Conard, Wendell R., and Best.

Best, Cyril: *See*—
Mollns, Desmond W., Best, and Chandler.

Best, Cyril, assignor to Mollus Machine Company Limited, London, England. Sampling device for use in the weighing of cigarettes. 2,601,786, July 1.

Best Foods, Inc., The, assignee: *See*—
Melnick, Daniel.

Best, Frank E., Indianapolis, Ind. Ground following map and navigation instrument. 2,608,094, Aug. 26.

Best Manufacturing Company, Inc., assignee: *See*—
Schiel, Wilhelm, and Zacher.

Best, Marcellus, Jr.: *See*—
Helterline, Leo L., Jr., Best, and Bunblasky.

Best, Melvin H., and C. B. Le Bon, III, Pasadena, assignors to Arcadia Metal Products, Arcadia, Calif. Closure. 2,619,205, Nov. 25.

Best, Nolan R., Avondale, Md. Cathode-ray dynamic focusing circuit. 2,623,195, Dec. 23.

Best, Norman M., assignor to Antiference Limited, London, England. Wireless aerial. 2,617,935, Nov. 11.

Best, Stanley G., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel control with temperature datum shifter. 2,623,354, Dec. 30.

Best, Wilson F., Grand Rapids, Mich. Straight sided stacking tote or packing box. 2,610,756, Sept. 16.

Beste, Harold E., Verona, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Tuning indicator. 2,606,239, Aug. 5.

Bestehorn, Heinrich H.: *See*—
Grimmel, Harry W., and Bestehorn.

Bestehorn, Heinrich H., Easton, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Metallized orthohydroxy, ortho amino monoazo dyestuffs. 2,583,925, Jan. 29.

Bestian, Herbert, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany. Polyvalent alkylene imine esters and preparing them. 2,596,200, May 13.

Betancourt, Ruben B., Habana, Cuba. Shutter. 2,602,502, July 8.

Bete Fog Nozzle, Inc., assignee: *See*—
Bete, John U.

Bete, John U., Stoughton, assignor to Bete Fog Nozzle, Inc., Greenfield, Mass. Spray nozzle. 2,612,407, Sept. 30.

Betex Sales Corporation, assignee: *See*—
Silver, Arnold.

Bethge, Bernhard, Fontenay-sous-Bois, and H. Welker, Vaucresson, assignors to Société Anonyme dite Compagnie des Freins & Signaux Westinghouse, Paris, France. Point contact semiresistor assembly. 2,618,691, Nov. 18.

Bethke, Clarence E., Milwaukee, Wis. Illuminated gun sight. 2,596,522, May 13.

Bethlehem Silk Company, The, assignee: *See*—
Johnston, John M.

Bethlehem Steel Company, assignee: *See*—
Hayward, Carle R.
Kovatch, Robert J.
Penrod, Robert E.
Richards, Ward F.
Roecker, Earl E.
Worthen, Eugene P., and Barbour.
Worthen, Eugene P., and Fox.
Zollinger, Walter H.

Bethlehem Supply Company, assignee: *See*—
Fagg, Lee.

Betner, Benj. C., Company, assignee: *See*—
McDowell, William J.

Betner, Benjamin C., Company, assignee: *See*—
Higginbottom, William E.

Betner, Thomas E., and J. R. Townsend, Wayne, Pa., assignors to Sonoco Products Company. Bobbin. 2,615,650, Oct. 28.

Bettendorf Company, The, assignee: *See*—
Kottmann, Arthur A.
Palmer, William C., and Kottmann.

Bettenhausen, Charles C., Lincoln, Nebr. Depth gauge cutter knife. 2,607,987, Aug. 26.

Better Brushes, Inc., assignee: *See*—
Wilson, Richard B.

Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.
Krueger, Theodore H., and Sharpe.
Sharpe, Everett E.

Bettis, Wilbur F.: *See*—
Bagnell, Edgar W., and Bettis.

Bettison, David C.: *See*—
Keaton, Frank H., and Bettison.

Bettman, Carl H., Cedarhurst, N. Y. Production of sugar-coated processed cereals. 2,607,691, Aug. 19.

Bettman, Carl H., Cedarhurst, N. Y. Modifying butter. 2,612,454, Sept. 30.

Bettoni, Eugene C.: *See*—
Colvin, Clifford, and Bettoni.

Bettoni, Eugene C., Bloomfield Hills, Mich., assignor to G. M. and E. Holley. Removable ignition lubricator. 2,603,313, July 15.

Betts, Gilbert L., Minneapolis, Minn. Electric data processor. 2,598,155, May 27.

Betts, Joseph L., Jr., and A. L. Chaney, Baton Rouge, La., assignors to Standard Oil Development Company. Brominating xylene. 2,591,498, Apr. 1.

Betts, Joseph L., Jr., E. A. McCracken, H. J. Rose, and R. E. Wood, Baton Rouge, La., assignors to Standard Oil Development Company. High solids content, low viscosity butndiene-styrine copolymer latex for emulsion paint base. 2,605,242, July 29.

Betts, William W., assignor of five percent to M. Dilley, Binghamton, N. Y. Rotary scoring cutter assembly. 2,610,687, Sept. 16.

Betz Corporation, assignee: *See*—
Knapp, Andrew E.
Lange, Henry J.

Betz, John R., Sunman, Ind. Censer. 2,621,379, Dec. 16.

Betz, Lawrence, Chicago, Ill. Battery and cable carrier. 2,610,987, Sept. 16.

Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Electrical energizing means for limit control devices and the like. Re. 23,470, Mar. 18.

Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Mercury switch with alignment responsive means. 2,583,505, Jan. 22.

Beu, Karl E.: *See*—
Claassen, Howard H., and Beu.

Beucler, Marcel, Paris, France. Laundry machine. 2,584,833, Feb. 5.

Beuerman, Ralph A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Register control system for web cutting mechanisms. 2,599,430, June 3.

Beuhler, William B.: *See*—
Smith, Homer E., and Beuhler.

Beukema, Willem, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplitude limiting circuit arrangement. 2,616,967, Nov. 4.

Beurskens, Thomas J., St. Louis, Mo. Combination baby walker and stroller. 2,606,593, Aug. 12.

Beuscher, William B., assignor to Rupert Diecasting Company, Kansas City, Mo. Aluminum die-casting machine. 2,585,297, Feb. 12.

Beuscher, William B., assignor, by mesne assignments, to Appliance Engineering Co., Kansas City, Mo. Wringer assembly having interconnected roll pressure and drive. 2,590,494, Mar. 25.

Beutel, George A.: *See*—
Rittner, Edmund S., Grace, Fine, and Beutel.

Beutel, Robert J., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Wrapping machine for articles of varying sizes. 2,600,833, June 17.

Bevan, Eric A., Halebank, Widnes, and R. S. Robinson, Woolton, Liverpool, England, assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich. Resinous reaction products of cyclohexanones and unsaturated dicarboxylic acids. 2,583,204, Jan. 22.

Bevan, George, Norfolk, Va., assignor to Freight Handling Corporation. Lift truck. 2,610,751, Sept. 16.

Bevard, Roger L.: *See*—
Hoyle, Albert C., and Bevard.

Beveridge, Harold N.: *See*—
Hall, William M., and Beveridge.

Beveridge, Harold N., Washington, D. C., assignor to Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Capacitance meter. 2,599,528, June 10.

Beveridge, John V., Oakland, Calif. Patten. 2,599,740, June 10.

Beveridge, Robert A.: *See*—
Wissmiller, Vernon D., and Beveridge.

Beverino, Naomi C., La Canada, Calif. Tailor's tack needle. 2,586,505, Feb. 19.

Beverino, Naomi C., La Canada, Calif. Tailor tack needle. 2,622,776, Dec. 23.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,278, Feb. 26.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,279, Feb. 26.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,280, Feb. 26.

Bevilacqua, Edward M., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. 2,587,281, Feb. 26.

Bevington, John E., Mechanicsville, assignor of one-half to J. W. Leoblein, Cleveland, Ohio. Window stop. 2,611,634, Sept. 23.

Bevington, Julius J., assignor to The B & R Manufacturing Company, Toledo, Ohio. Litter control for vacuum cleaners. 2,588,198, Mar. 4.

Bevington, Kenneth A., Evanston, Ill. Collapsible baby cart. 2,600,611, June 17.

Bevins, F. W. & H. J., Limited, assignee: *See*—
Bevins, Frank W. and H. J.

Bevins, Frank W. and H. J., assignors to F. W. & H. J. Bevins Limited, Leicester, England. Turndown collar. 2,584,834, Feb. 5.

Bevins, Herbert J.: *See*—
Bevins, Frank W. and H. J.

Bevins, James E., Ramsey, assignor to Bendix Aviation Corporation, Teterboro, N. J. Constant speed pump and motor hydraulic transmission, 2,612,753, Oct. 7.

Bevins, James E., Ramsey, assignor to Rendix Aviation Corporation, Teterboro, N. J. Apparatus for calibrating the air-speed indicator of aircraft. 2,623,383, Dec. 30.

Bewley, Thomas: *See*—
Armstrong, Godfrey P., Bewley, and Turck.

Bewley, Thomas, Epsom, and P. L. Bramwyche, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Preparation of hydrogenation catalysts by reduction. 2,623,078, Dec. 23.

Beyer, Frank A., R. A. Bradley, and H. W. Crank, Springfield, Mo., assignors, by mesne assignments, to Trailmobile Inc. Insulated tank vehicle. 2,614,856, Oct. 21.

Beyer, Frank A., and R. A. Bradley, Springfield, Mo., assignors, by mesne assignments, to Trailmobile Inc. Conveyer system for vehicles. 2,615,587, Oct. 28.

Beyer, Henry O., and F. M. Bauman, Morton, Ill. Cover for rotary brush sweepers. 2,594,116, Apr. 22.

Beyer, John H., Forest Hills, N. Y. Display device. 2,583,926, Jan. 29.

Beyer, Karl H., Jr.: *See*—
Sprague, James M., and Beyer.

Beyer, Paul A., St. Clair Shores, Mich. Belt buckle. 2,609,577, Sept. 9.

Beyer, Raymond H., assignor to South Bend Bait Company, South Bend, Ind. Fishing rod. 2,594,536, Apr. 29.

Beyer, Walter O., Pittsburgh, Pa. Spring grip pipe coupling. 2,587,810, Mar. 4.

Beyerle, Konrad, Gottingen, Germany. Rotating system for observation centrifuges for the determination of molecular weight. 2,617,585, Nov. 11.

Beyers, Fred C., Tonasket, Wash. Toy gun. 2,587,687, Mar. 4.

Beyler, Roger E.: *See*—
Sarett, Lewis H., and Beyler.

Beymer, Oren O., assignor to Irrigation Equipment Co., Inc., Eugene, Oreg. Pipe coupler with lock. 2,621,061, Dec. 9.

Beyrodt, Kurt, Williston Park, N. Y. Flushing device for toilets. 2,597,560, May 20.

Bezanson, Charles E., Malden, Mass. Vacuum cleaner for barber chairs. 2,590,673, Mar. 25.

Bianca, Carmelo J., Sr., Indianola, Miss. Accelerator controlling device. Re. 23,520, July 15.

Biancavilla, Mildred L., Syracuse, N. Y. Diaper holder. 2,607,349, Aug. 19.

Bianchi, Armando J., Buenos Aires, Argentina. Safety razor. 2,598,104, May 27.

Bianchi, Henry E., Elmhurst, assignor to G. Cella, Inc., New York, N. Y. Confection making apparatus. 2,592,534, Apr. 15.

Bianchi, I. W., Inc., assignee: *See*—
Bianchi, Icilio W.

Bianchi, Icilio W., assignor to I. W. Bianchi, Inc., East Patchogue, N. Y. Flower display package. 2,583,927, Jan. 29.

Bibb, Carlisle H., and H. E. McLaughlin, assignors to Newport Industries, Inc., Pensacola, Fla. Making 4(5)-p-menthen-3-one. 2,619,504, Nov. 25.

Bibb, John: *See*—
Thompson, John L., and Bibb.

Bible, Burl H., Laurens, S. C. Coal tongs. 2,591,499, Apr. 1.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Power unit. 2,585,215, Feb. 12.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Unitary mechanism for performing multiple simultaneous and successive operations. 2,585,216, Feb. 12.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Automatic lathe. 2,585,217, Feb. 12.

Bickell, Stanley F., Frampton Cotterell, near Bristol, J. Shaw, Yate, near Bristol, R. T. Riddle, Truro, Cornwall, and C. G. Garrard, Chipping Sodbury, assignors to Parnall (Yate) Limited, Yate, near Bristol, England. Wringing machine and the like. 2,618,144, Nov. 18.

Bickett, Le Roy M., Watertown, Wis. Rubber pad. 2,617,751, Nov. 11.

Bickford, Franklin H.: *See*—
Reed, Mildred, and Bickford.

Bickford, Frederick E., Rye, N. Y. Package forming machine. 2,612,822, Oct. 7.

Bickford, Frederick E., Westchester, N. Y. Package forming machine. 2,608,915, Sept. 2.

Bickley, Everett H., Bala-Cynwyd, Pa. Magnetic air valve. 2,615,470, Oct. 28.

Bickley, Everett H., Narberth, Pa. Apparatus for use in making lantern slides. 2,614,950, Oct. 21.

Bicocchi, Louis, La Salle, Ill. Variable tone duck call. 2,608,796, Sept. 2.

Bidaud, Auguste F., Serezin-du-Rhone, and L. Ceyzeriat, Lyon, assignors to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of stable alkyl polysiloxane resins. 2,584,835, Feb. 5.

Biddinger, Guy R.: *See*—
Darrow, Merritt I., Biddinger, and Patterson.

Biddle, Ralph E.: *See*—
Hardy, Clarence M., and Biddle.

Biddle, William P., Jr.: *See*—
Sanford, Hugh W., and Biddle.

Bidin, Peter, Vancouver, British Columbia, Canada. Portable hydraulic jack with filling means. 2,618,929, Nov. 25.

Bidwell, Clarence G.: *See*—
Reynolds, Harry R., and Bidwell.

Bidwell, Earl E., Los Angeles, Calif., assignor to W. P. Innes, Jr., Wichita, Kans. Fluid engine. 2,588,342, Mar. 11.

Bieber, Abraham, assignor to Express Patent Company (Liverpool) Limited, Liverpool, England. Mechanical cloth-laying apparatus. 2,587,811, Mar. 4.

Biedawski, Józef: *See*—
Mann, Ralph J., and Biedawski.

Biederman, Joseph B., Cincinnati, Ohio. Device for removing particles from the eye. 2,617,409, Nov. 11.

Biedess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Impact reducing means for mucking machines. 2,582,954, Jan. 22.

Biedess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Mucking machine. 2,619,243, Nov. 25.

Biefeld, Lawrence P., Newark, N. J., assignor to Owens-Corning Fiberglas Corporation. Coloring glass fibers. 2,582,919, Jan. 15.

Biehl, Charles B., assignor to D. D. and C. D. Goff, and A. N. Rubin, doing business as Duchess Hosiery Mills, West Grove, Pa. Stocking heel construction. 2,593,719, Apr. 22.

Biehl, Harry C., Berwick, Pa. Coin storing and dispensing device. 2,600,961, June 17.

Biel, John H., assignor to Lakeside Laboratories, Inc., Milwaukee, Wis. Conversion of estrone compounds to estradiol compounds. 2,623,886, Dec. 30.

Bielawski, Mitchell S., assignor to Universal Oil Products Company, Chicago, Ill. Preparation of a phosphoric acid-carbon catalyst. 2,580,647, Jan. 1.

Bielawski, Mitchell S., assignor to Universal Oil Products Company, Chicago, Ill. Supported phosphoric acid catalyst containing a pitch resin binder and its preparation. 2,593,720, Apr. 22.

Bielawski, Mitchell S., Berwyn, and J. M. Mavity, Hinsdale, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of a copper-containing phosphoric acid catalyst. 2,618,614, Nov. 18.

Bielby, Willard M., Bay City, Mich. Swing. 2,612,935, Oct. 7.

Bielecki, Charles: *See*—
Parkinson, David B., and Bielecki.

Bielek, Alfred D., Nutley, N. J. Automatic control for time constant systems. 2,606,965, Aug. 12.

Bielicki, Anthony A., Wilmington, Del. Annunciator for games. 2,595,048, Apr. 29.

Bielski, Alex J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid flow control device. 2,604,111, July 22.

Bielstein, Walter J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Device for indicating inclination of boreholes. 2,608,002, Aug. 26.

Bielstein, Walter J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling mud weight recorder. 2,609,681, Sept. 9.

Bienaimé, André, Pierrefitte, France. Float-operated draining device. 2,590,495, Mar. 25.

Bienert, Berthold: *See*—
Baumann, Fritz, and Bienert.

Bienfait, Henri, and S. D. Boon, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic electric arc welding of workpieces. 2,617,003, Nov. 4.

Bierenfeld, Josef, assignor to Square D Company, Milwaukee, Wis. Interlocked electric switch. 2,612,789, Oct. 7.

Bierman, Aron, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Induction accelerator for electrons. 2,617,026, Nov. 4.

Bierman, Carroll M., assignee: *See*—
Wagner, Frank J.

Bierman, Harry C.: *See*—
Strickman, Samuel W.

Biermann, William A., Milwaukee, Wis., assignor to A P Controls Corporation. Viscosity compensating liquid control device. 2,614,577, Oct. 21.

Biermann, William A., and J. T. Dulak, Milwaukee County, Wis., assignors to A. P. Controls Corporation. Liquid level control device. 2,581,901, Jan. 8.

Bierra, Antone N., Honolulu, Hawaii. Disinfecting device. 2,614,265, Oct. 21.

Biery, Galen A., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash. Bone extractor. 2,580,992, Jan. 1.

Bigelow, John E.: *See*—
Rich, Theodore A., and Bigelow.

Bigelow-Sanford Carpet Company, Inc., assignee: *See*—
Dildilian, Ara T., and Wood.
Moody, Walter F.
Wise, James D.

Biggert, Don R., and H. P. Goedicke, Marion, Ohio. Combined ladder and extensible loading ramp for platforms. 2,611,466, Sept. 23.

Biggert, Florence C., Jr., and H. H. Talbot, assignors to United Engineering and Foundry Company, Pittsburgh, Pa. Apparatus for forming tubes. 2,593,835, Apr. 22.

Biggs, Evelyn M., Pawtucket, R. I. Safety razor and protective casing. 2,589,327, Mar. 18.

Biggs, George A., assignor to The James Leffel & Co., Springfield, Ohio. Sectionalized case for turbines and the like. 2,611,578, Sept. 23.

Biggs, John A., E. A. Heald, and F. L. Moseley, assignors to Collins Radio Company, Cedar Rapids, Iowa. Computer device for navigation systems and the like. 2,599,889, June 10.

Biggs, John W., Sharon, Mass. Dental pad. 2,613,441, Oct. 14.

Biggs, Justin A., Jacksonville, Ill. Dental machine control. 2,591,119, Apr. 1.

Biggs, Leonard R., Schenectady, N. Y., assignor to General Electric Company. Binary cycle power plant having a high melting point tertiary fluid for indirect heating. 2,593,963, Apr. 22.

Biginelli, Oreste F. A., Clermont-Ferrand, France. Vested in the Attorney General of the United States. Machine for constricting tubes. 2,592,593, Apr. 15.

Bigot, Maurice, Paris, assignor to Societe Anonyme dite: Societe d'Innovation Chimiques dite Sinnova ou Sadic, Meaux-Beauval, France. Manufacture of alcohol of high molecular weight. 2,607,806, Aug. 19.

Bigwood, Joshua, & Son, Limited, assignee: *See*—
Picton, John B.

Bihary, William A., Miami, Fla., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Apparatus for preparing masking aprons. Re. 23,542, Sept. 2.

Bile, Sheldon W.: *See*—
Bordn, Laddy F., and Bile.

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Closure fastener for pressure vessels. 2,603,381, July 15.

Biles, John L., and H. C. Myers, Woodbury, T. A. Petry and W. H. Cowell, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating waxy and oily materials. 2,581,573, Jan. 8.

Bilhartz, Harrell L., H. E. Greenwell and L. E. Davis, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Plug for removing paraffin accumulating in oil conducts. 2,603,804, July 22.

Bilhartz, Harrell L., and H. F. Dunlap, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Measuring resistivity of earth samples. 2,613,250, Oct. 7.

Bilisoly, Julius P.: *See*—
Kimberlin, Charles N., Jr., and Bilisoly.

Bill Jack Scientific Instrument Co., Inc., assignee: *See*—
Trindle, Joe W.

Bill, Robert O., San Leandro, Calif. Elevating means for vehicle beds. 2,598,031, May 27.

Billeci, Salvatore, San Francisco, Calif. Sonometer for testing musical ear. 2,604,806, July 29.

Billera, Anthony, assignee: *See*—
Schwartz, Louis J.

Billera, Ignatius, assignee: *See*—
Schwartz, Louis J.

Billeruds Aktiebolag, assignee: *See*—
Johnsson, John.

Billeter, Jean-René: *See*—
Miescher, Karl, and Billeter.
Miescher, Karl, Heer, Billeter, and Anner.

Billey, Peter R., Plymouth, assignor to Plymouth Cordage Company, North Plymouth, Mass. Variable-speed unit. 2,623,410, Dec. 30.

Billig, Ralph B.: *See*—
Ziskin, Manuel S., and Billig.

Billingham, Milton C. J., Kalamazoo, Mich. Insulation for pipes, conduits, and the like. 2,602,764, July 8.

Billinghame, Albert V.: *See*—
Mitchell, Reginald G., Tait, Webber, Aickin, Winsor, and Billinghame.

Billings, Bruce H., assignor to Polaroid Corporation, Cambridge, Mass. Tunable narrow band optical filter. 2,600,962, June 17.

Billings, David P.: *See*—
White, Ira M., and Billings.

Billings, Julia, assignee: *See*—
Facio, Robert H., Sr.

Billings, Roy O., Milwaukee, Wis. Clamshell bucket. 2,621,428, Dec. 16.

Billings, William C., Modesto, Calif. Ski-sled. 2,616,715, Nov. 4.

Billingsley, George A., Jr., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Producing dyed lustrous printed pattern effects using acid-curing resins and free leuco bases of vat dyes. 2,592,852, Apr. 15.

Billingsley, James E., Jr., Hannibal, Mo. Reaming tool with removable blades. 2,623,422, Dec. 30.

Billingsly, Kenneth, assignee: *See*—
Anderson, Ralph J.

Billman, Beryl I., New Trenton, Ind., and P. Slack, Detroit, Mich. Propelling and steering mechanism. 2,612,859, Oct. 7.

Billman, Stig K. M., assignee: *See*—
Von Hortenau, Hans A.

Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Making cork composition having a rubber binder which includes coagulating a latex in the presence of cork particles and molding the resulting mass. 2,607,747, Aug. 19.

Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Expansible molding core. 2,612,673, Oct. 7.

Billon, Marcel M. M., assignor to Tecalemit, Societe Anonyme, Paris, France. Automatic brake control device. 2,622,708, Dec. 23.

Bills, John L., and A. C. McKinnis, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Manufacture of carbon black. 2,618,533, Nov. 18.

Billy, George, assignee: *See*—
Terlizzi, Marion E.

Bilterman, Henry L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer apparatus. 2,614,707, Oct. 21.

Bilton, John A., Beloeil Station, and G. H. Segall, McMasterville, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Cross-linkable and cross-linked vinyl type copolymers. 2,604,463, July 22.

Bilý, Theodor, Zandov u Ceske Lipy, assignor to North Bohemian Machine Works and Foundries, National Corporation, Prague, Czechoslovakia. Stencil frame for screen printing. 2,588,199, Mar. 4.

Bimba, Charles W., and F. Brown, Chicago, Ill., assignors to La Salle Steel Company, Hammond, Ind. Deformation of metals. 2,602,538, July 8.

Bina, Stanley J., Grand Forks, N. Dak. Portable large roll paper holder and cutter. 2,590,095, May 13.

Binaut, Jean, Lewarde (Nord), assignor to Houilleres du Bassin du Nord et du Pas de Calais, Douai (Nord), France. Articulated ramp structure for mine cars. 2,614,755, Oct. 21.

Binder, Charles F., Cranford, assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J. Power steering mechanism. 2,583,407, Jan. 22.

Binder, Hyman, Boston, Mass., assignor to All Time Footwear Mfg. Co., Manchester, N. H. Making slip lasted shoes. 2,621,349, Dec. 16.

Binder, William O., and J. Thompson, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Corrosion resisting steels. 2,602,737, July 8.

Bindley, James McK., East Cleveland, Ohio. Ball and socket mounting for mirrors and the like. 2,615,368, Oct. 28.

Binek, Edward, assignor to Burroughs Adding Machine Company, Detroit, Mich. System for suppressing electromagnetic interference. 2,603,675, July 15.

Biner, George M., assignor to Biner-Siegrist Machinery Manufacturing Co., Los Angeles, Calif. Nonjamming conveyer means. 2,587,959, Mar. 4.

Biner-Siegrist Machinery Manufacturing Co., assignee: *See*—
Biner, George M.

Binford, Benjamin L., assignor to Magnetrol, Inc., Chicago, Ill. Magnetic control mechanism. 2,612,572, Sept. 30.

Bing, Jens H., assignor to Aktieselskabet Ferrosan, Copenhagen, Denmark. Filling-body for surgical use. 2,609,545, Sept. 9.

Bingell, Ferd W., Cleveland, Ohio. Flexible underlie for rugs. 2,622,039, Dec. 16.

Binggely, Elmer C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner bag. 2,620,045, Dec. 2.

Bingham, Charles R., Davenport, Iowa. Trailer hitch. 2,586,202, Feb. 19.

Bingham, Charles W.: *See*—
Welcher, Rex J., and Bingham.

Bingham, Edward M.: *See*—
Plass, Raymond B., and Bingham.

Bingham, Herbert B., Waltham, assignor to C. Y. Chittick, Waban, Mass. Machine for washing watch parts. 2,619,975, Dec. 2.

Bingham-Herbrand Company, The, assignee: *See*—
Hinsey, Robert S.

Bingham-Herbrand Corporation, The, assignee: *See*—
Terry, Jack E.

Bingham, James B., O. A. Holkesvig, and T. H. Herberg, East Grand Forks, Minn. Floating pickup wheel type beet harvester. 2,582,945, Jan. 22.

Bingham Machine and Engineering Company, assignee: *See*—
Quimby, Langdon C. and A.

Bingman, Frederick P., Birmingham, Mich., assignor to The R. C. Mahon Company. Building construction. 2,590,227, Mar. 25.

Binkley, James L., Bellefontaine, Ohio. Seed planter. 2,619,259, Nov. 25.

Binks, Melvin J.: *See*—
Durant, Lyndon A., and Binks.

Binney, Raymond: *See*—
Guboff, Edward H.

Binney & Smith Company, assignee: *See*—
Mellwig, Bernhard J.

Binns, Jack N., and T. E. Dugle, Cincinnati, and A. F. Alt, Hamilton County, Ohio. Adjustably mounted insulator assembly. 2,609,418, Sept. 2.

Binns, John E.: *See*—
Lancor, Joseph H., Jr., and Binns.

Binsack, Joseph W.: *See*—
Gorman, Richard J., and Binsack.

Binschoff, Willis F., New York, N. Y. Erector and ambulator device. 2,607,050, Aug. 19.

Bintz, Carl: *See*—
Wickes, Harvey R., Bintz, Kretschmer, and Kendall.

Binz, Gustave H., Chicago, Ill. Booth wall mounted movable table top. 2,587,098, Feb. 26.

Biothermal Process Corporation, assignee: *See*—
Verdier, Jean G. C. J.

Biraben, Henri E., Lansing, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper mechanism. 2,602,179, July 8.

Birch, Herbert M., Bethesda, Md. Hat retainer means. 2,615,452, Oct. 28.

Birch, Robert A., Greenwich, Conn. Gum massager and tooth cleaner. 2,583,038, Jan. 22.

Birch, Stanley F., F. A. Fidler, and R. A. Dean, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Recovery of xylidines. 2,615,047, Oct. 21.

Birch, Thomas H., Cincinnati, Ohio. Display device. 2,598,755, June 3.

Birch, Thomas H., Milwaukee, Wis. Combined press and clamp. 2,612,411, Sept. 30.

Birch, Thomas H., and E. F. Reinke, Milwaukee, Wis. Side bearing. 2,623,795, Dec. 30.

Birch, William G., Middleton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for lasting, sewing, and trimming shoes. 2,615,186, Oct. 28.

Birckhead, Taylor A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic timer. 2,593,964, Apr. 22.

Bircsak, Stephen, Newark, N. J. Motor vehicle bumper. 2,597,058, May 20.

Bird, Helen M., executrix: *See*—
Bird, Hobart M.

Bird, Hobart M., deceased; Helen M. Bird, executrix, assignor of fifty-five per cent to Helen M. Bird and forty-five per cent to Hobart M. Bird, Portland, Oreg. Drive mechanism for endless bucket lines. 2,620,060, Dec. 2.

Bird, Hyrum L., Richmond, Calif. Parachute release for kites. 2,598,030, May 27.

Bird, Lawrence L., Indianapolis, Ind. Automatic cloth counter and conveyer. 2,602,535, July 8.

Bird, Lester F., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Wattage control system for vapor arc lamps. 2,593,651, Apr. 22.

Bird Machine Company, assignee: *See*—
Milliken, George A., and Topping.

Bird, Paul G., and A. L. Jacoby, Western Springs, and R. W. Kell, Oak Park, assignors to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,580,880, Jan. 1.

Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Inhibiting foaming in steam generators. 2,588,343, Mar. 11.

Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,588,344, Mar. 11.

Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,588,345, Mar. 11.

Bird, Roy C., Ann Arbor, Mich. Adjustable batting tee. 2,616,692, Nov. 4.

Bird & Son, inc., assignee: *See*—
Chamberlain, Ell L.

Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Control of textile fibers during drafting operations. 2,595,918, May 6.

Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Textile fiber drafting frame. 2,607,083, Aug. 19.

Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Rotary roll clearer for draft frames. 2,610,362, Sept. 16.

Birdsboro Steel Foundry and Machine Company, assignee: *See*—
Peterson, Edward T.

Birdseye, Clarence, assignor to E. G. Birdseye, Gloucester, Mass. Method and apparatus for removing skin from fleshy products. 2,590,747, Mar. 25.

Birdseye, Eleanor G., assignee: *See*—
Birdseye, Clarence.

Birdwell, Gus O., Perryton, Tex. Bearing assembly. 2,580,508, Jan. 1.

Biribauer, Frank A.: *See*—
Carlson, Carl S., Merrington, and Biribauer.
Morrell, Charles E., Biribauer, and Carlson.

Birkemeier, Henry P., Chicago, assignor to Bell & Gossett Company, Morton Grove, Ill. Pressure relief valve. 2,603,231, July 15.

Birkigt, Louis, Versoix-Geneva, assignor to Hispano Suiza (Suisse) S. A., Geneva, Switzerland. Spinning spindle mechanism, in particular of the worm and worm wheel drive type. 2,586,293, Feb. 19.

Birkigt, Louis, Versoix, pres Geneva, assignor to "Hispano-Suiza" (Suisse) S. A., Geneva, Switzerland. Spinning spindle mechanisms, in particular to those driven by means of a worm and worm wheel. 2,587,812, Mar. 4.

Birkigt, Louis, Versoix-Geneva, assignor to Society "Hispano-Suiza" (Suisse) S. A., Geneva, Switzerland. Multiple spindle spinning machine of the worm and worm wheel drive type. 2,592,853, Apr. 15.

Birkigt, Louis, Versoix near Geneva, Switzerland. Spinning spindle mechanism, including a worm and worm wheel drive. 2,594,724, Apr. 29.

Birmann, Rudolph, Newtown, Pa. Gas turbine power plant having means to cool and means to compress combustion products passing through the turbine. 2,623,357, Dec. 30.

Birmingham Aluminum Casting (1903) Company Limited, The, assignee: *See*—
Berry, Joseph W.

Birmingham Fabricating Company, assignee: *See*—
White, Francis E.

Birmingham, John N.: *See*—
Piperoux, Rene P., and Birmingham.

Birmingham Small Arms Company Limited, The, assignee: *See*—
Perry, Claude A.
Roll, Herman J. W.

Birnbaum, Arnold, Irvington, assignor to The M. W. Kellogg Co., Jersey City, N. J. Thermal time delay device for jettisonable propulsion motors. 2,581,164, Jan. 1.

Birome Sociedad Anonima, Commercial E. Industrial, assignee: *See*—
Federico Goos, Carlos E.

Birr, Rudolph G., Lombard, Ill., assignor, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Dispensing mechanism. 2,592,786, Apr. 15.

Birr, Rudolph G., Lombard, Ill., assignor to American Linen Supply Co., Carson City, Nev. Towel dispensing apparatus. 2,601,956, July 1.

Birr, Rudolph G., Lombard, and F. G. Steiner, Chicago, Ill., assignors, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Apparatus for dispensing sheet material in roll form. 2,616,632, Nov. 4.

Birrell, David M., Johannesburg, Union of South Africa. Worm gear cutting attachment for milling machines. 2,622,484, Dec. 23.

Birt, Dannie D., Guymon, Okla., assignor to Dandee Manufacturing Company, Inc. Cultivator disk mounting. 2,597,524, May 20.

Birtman Electric Company, assignee: *See*—
Howard, Frank S.
Hulfish, Buford W.
Mayer, Joseph P.
Sparklin, Charles H.

Birtwell, Stanley: *See*—
Ainley, Arthur D., Birtwell, and Curd.
Barton, Norman, Birtwell, and Curd.

Birum, Herbert L., Jr.: *See*—
Hammitt, Andrew B., and Birum.

Bisch Industries, Inc., assignee: *See*—
Bisch, James L.

Bisch, James L., assignor to Bisch Industries, Inc., Valencia, Pa. Electric impulse generator. 2,617,851, Nov. 11.

Bischof, Bernhard, Geneva, Switzerland. Injector for internal-combustion engines. 2,592,111, Apr. 8.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Frequency measuring instrument. 2,592,235, Apr. 8.

Bischoff, Alfred F., Ballston Spa, and K. L. Boring, Schenectady, N. Y., assignors to General Electric Company. Recording device. 2,596,118, May 13.

Bischoff, Ernst, Company, Inc., assignee: *See*—
Harvill, Edward K.

Biscoe, Percival H., Jacksonville, Fla., assignor to Saf-T-Visi Gauge Corporation. Liquid level gauge. 2,607,225, Aug. 19.

Biscoe, Percival H., Jacksonville, Fla., assignor to Saf-T-Visi Gauge Corporation. Liquid level gauge. 2,607,226, Aug. 19.

Biscoe, Percival H., Jacksonville, Fla., assignor to Saf-T-Visi Gauge Corporation. Liquid level gauge. 2,607,227, Aug. 19.

Bishman, Archie C.: *See*—
Bishman, Edwin F. and A. C.

Bishman, Edwin F. and A. C., Hutchinson, Minn. Unloading jack. 2,599,741, June 10.

Bishman, Walter A.: *See*—
Lien, Harold G., and Bishman.

Bishman, Walter A., Osseo, Minn. Inner tube tester. 2,581,998, Jan. 8.

Bishofberger, Carl J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Plug-in electrical device. 2,583,353, Jan. 22.

Bishop, Alfonso O., Madrid, Spain. Apparatus for spinning textile fibers and the like. 2,623,347, Dec. 30.

Bishop & Babcock Manufacturing Company, The, assignee: *See*—
Getz, Arnstead G.
Mayo, Edward L.

Bishop, Carl E., Carlisle, Iowa. Sectional demountable steam generator. 2,589,218, Mar. 18.

Bishop, Clair L., Kennewick, Wash. Trailer hitch ball cover. 2,618,489, Nov. 18.

Bishop, Doris E., Weybridge, assignor to S. Smith & Sons (England) Limited, London, England. Time recording apparatus. 2,621,100, Dec. 9.

Bishop, Eugene T.: *See*—
McMillan, Frank M., and Bishop.

Bishop, G. H., Company, assignee: *See*—
Freeman, David A.
Schultz, Roy M.
Westwood, Carridon G.

Bishop, Glenn A., Wilmette, R. B. Bishop, Arlington Heights, and C. E. Jones, assignors to Bishop Publishing Company, Chicago, Ill. Display device. 2,596,064, May 6.

Bishop, Homer L., Dayton, Ohio. Preliminary finishing machine. 2,580,723, Jan. 1.

Bishop, James K., Sr.: *See*—
Smith, Helen M., Burr, and Bishop.

Bishop, James S., Cincinnati, Ohio. Hose nozzle. 2,605,143, July 29.

Bishop, John J., and E. M. Boat, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Resilient head for dial bore gauges. 2,587,099, Feb. 26.

Bishop, John L. H., assignor to The Austin Motor Company, Limited, Northfield, Birmingham, England. Cam for operating valves of internal-combustion engines. 2,581,233, Jan. 1.

Bishop, Le Roy D., Kankakee, Ill., assignor to Armstrong Cork Company, Lancaster, Pa. Multijet heat exchange roll. 2,603,457, July 15.

Bishop, Lewis H., and J. S. Finn, Burlingame, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Surface treating apparatus. 2,597,434, May 20.

Bishop, Oliver W., assignor of one-half to L. J. Honzik, Cedar Rapids, Iowa. Dart target and support. 2,618,484, Nov. 18.

Bishop Publishing Company, assignee: *See*—
Bishop, Glen A. and R. B., and Jones.

Bishop, R. H., Company, assignee: *See*—
Royer, Celestine A.

Bishop, Richard B.: *See*—
Denton, William L., and Bishop.

Bishop, Richard B., Huddonfield, and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Desulfurization of hydrocarbon mixtures with nickel carbonyl. 2,615,831, Oct. 28.

Bishop, Robert B.: *See*—
Bishop, Glenn A. and R. B., and Jones.

Bisignano, Florence, Elmhurst, N. Y. Cleanser-saving holding device. 2,607,156, Aug. 19.

Bisley, William F., Oak Park, Ill. Power unit and governor for household food mixer. 2,612,571, Sept. 30.

Bisley, William F., Oak Park, Ill., assignor to Dormeyer Corporation. Household food mixer. 2,615,691, Oct. 28.

Bissell Carpet Sweeper Company, assignee: *See*—
Pullen, Fred W.

Bissell, Raymond C., assignor to Timpte Bros., Inc., Denver, Colo. Weight-shifting device for dual axle vehicles. 2,599,043, June 3.

Biswell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized petroleum products and stabilizing compositions. 2,580,881, Jan. 1.

Biswell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Salts of 1-salicylalaminoguanidine. 2,584,784, Feb. 5.

Biswell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color stabilized N,N'-di-(sec.-butyl)-p-phenylenediamine. 2,615,919, Oct. 28.

Bitner, Ralph E., assignee: *See*—
Lewis, Robert G.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Clothesbasket. 2,585,428, Feb. 12.

Bittel, Martin G., North Hills, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Mounting a castor assembly on a boat. 2,617,139, Nov. 11.

Bitterli, Emile V., Zurich, Switzerland, and M. Forrer, deceased, by A. M. J. Forrer, widow and heir and guardian of minor heirs, assignors to Compagnie Generale d'Electricite, Paris, France. Molding propeller blades. 2,621,140, Dec. 9.

Bitterlin, Otto: *See*—
Bossard, Werner, and Bitterlin.

Bittner, Adam, London, England, assignor to Cyclomat Dominion Corporation Limited, Douglas, Isle of Man. Cyclone disintegrator. 2,615,637, Oct. 28.

Bituminous Coal Research, Inc., assignee: *See*—
Yellott, John I.

Bitzer, Edmund C., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Automatic flow control system for ore concentrators. 2,609,096, Sept. 2.

Bitzer, Edmund C., assignor to Colorado Iron Works Company, Denver, Colo. Wearing shoes for ore separators. 2,610,739, Sept. 16.

Bitzer, Edmund C., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Heavy media separation apparatus and method. 2,621,791, Dec. 16.

Bitzer, Martin, Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing device. 2,597,059, May 20.

Bitzer, Martin, Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Booster pump for automotive accessories. 2,620,630, Dec. 9.

Bluw, Carl O. E., Smedslatten, Sweden. Sail batten. 2,608,172, Aug. 26.

Bivans, Ira: *See*—
Lisben, David M., and Bivans.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuits. 2,611,863, Sept. 23.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Coordination control circuit. 2,612,579, Sept. 30.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric sequence and timing circuits. 2,614,240, Oct. 14.

Bivens, Veles P., Lawndale, N. C. Tackle retriever. 2,594,852, Apr. 29.

Bivings, Albert E. and J. A., and P. H. Dunnam, Odessa, Tex. Hydraulic electromagnetic well fishing tool. 2,595,632, May 6.

Bivings, John A.: *See*—
Bivings, Albert E. and J. A., and Dunnam.

Bixby, Walter: *See*—
Hathaway, Edgar F., and Bixby.

Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Regulated rectifying apparatus. 2,604,618, July 22.

Bixer, Edmond P., Shrewsbury, N. J., assignor to Bartmann & Bixer, Inc., New York, N. Y. Curtain construction. 2,605,830, Aug. 5.

Bixler, Harley H., Erie, Pa., assignor to General Electric Company. Refrigerator control. 2,586,506, Feb. 19.

Bixler, Harley H., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,622,407, Dec. 23.

Bizzarro, Leo C.: *See*—
Amorino, Victor A., and Bizzarro.

Bjering, Olav: *See*—
Hohl, John, and Bjering.

Bjerkan, Arthur J., assignor to Deere & Company, Moline, Ill. Planter marker. 2,585,992, Feb. 19.

Bjork, David T., Evanston, Ill. Metal window construction. 2,593,093, Apr. 15.

Bjorklund, Arvid, Minneapolis, Minn. Routing machine. 2,609,018, Sept. 2.

Björklund, Gustaf E., Stockholm, Sweden. Locking device for contraangle handpieces. 2,591,772, Apr. 8.

Björklund, Gustaf E., Stockholm, Sweden. Articulator for artificial dentures. 2,603,869, July 22.

Björklund, Gustaf E., Stockholm, Sweden. Dental drill. 2,611,962, Sept. 30.

Bjorksten, Johan, Chicago, Ill., and L. L. Yaeger, Hammond, Ind., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Polystyrene article provided with a ray filtering coating. 2,617,748, Nov. 11.

Björn, Carl H.: *See*—
Axelsson, Karl N., and Björn.

Bjornson, Bjorn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiotelephone receiving system. 2,589,662, Mar. 18.

Bjoro, Edvin F., Huntington, N. Y., assignor to The Spool Cotton Company, Newark, N. J. Display and storage cabinet. 2,597,435, May 20.

Black-Clawson Company, The, assignee: *See*—
Baxter, Joseph, Jr.
Staege, Stephen A.

Black & Decker Manufacturing Company, The, assignee: *See*—
Baker, James N.
Emge, Herbert M.
Holford, Frank L.
Preston, Henry C.
Riley, Robert H., Jr., and Decker.
Veit, Hermann E.
Wilhide, Glenn C.

Black, Earl E.: *See*—
Stow, Clarence E., and Black.

Black, Eric A., Red Bank, N. J. Mast. 2,581,351, Jan. 8.

Black, Henry, Bronx, N. Y. Freight car. 2,587,027, Feb. 26.

Black, Howard C.: *See*—
Young, Harland H., and Black.

Black, Howard M., Los Angeles, assignor to Artisan Novelty Company, Gardena, Calif. Walking doll. 2,621,443, Dec. 16.

Black, James, assignor to Armour and Company, Chicago, Ill. Dehorning shear apparatus. 2,606,340, Aug. 12.

Black, James A., Kent, Mich. Silk screen stenciling machine. 2,606,492, Aug. 12.

Black, James F.: *See*—
Kearby, Kenneth K., and Black.

Black, James F., Roselle, and K. K. Kearby, Cranford, N. J., assignors to Standard Oil Development Company, Hydrocarbon synthesis. 2,593,250, Apr. 15.

Black, James G., assignor to A. C. Nielsen Company, Chicago, Ill. Remote radio receiver tuning indicating apparatus. 2,618,694, Nov. 18.

Black, James J., Cincinnati, Ohio, assignor, by mesne assignments, to Trailmobile Inc. Four wheel trailer vehicle. 2,588,078, Mar. 4.

Black, James J., Cincinnati, Ohio, assignor, by mesne assignments, to Trailmobile Inc. Locking mechanism for vehicle doors. 2,592,647, Apr. 15.

Black, James J., Cincinnati, Ohio, assignor, by mesne assignments, to Trailmobile Inc. Extruded floor section for refrigerator vehicles. 2,615,751, Oct. 28.

Black, John D.: *See*—
Lindau, John H., Stewart, and Black.

Black, Judd H., and H. G. Warren, assignors to Eastman Kodak Company, Rochester, N. Y. Vacuum pumping apparatus. 2,591,334, Apr. 1.

Black, Leon P., Cliffside Park, N. J. Sine-bar grinding wheel truing device. 2,583,408, Jan. 22.

Black, Leroy E., and C. B. Marks, Las Vegas, Nev., and W. L. Tenney, Crystal Bay, Minn.; said Black and Marks assignors to said Tenney. Pulse jet thrust engine. 2,587,100, Feb. 26.

Black, Lloyd V., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Pore hole seal for double windows. 2,621,397, Dec. 16.

Black, Nolan S., Highland Park, Mich., assignor to National Steel Corporation. Building foundation. 2,595,633, May 6.

Black, Sivalls & Bryson, Inc., assignee: *See*—
Gard, Clare D., and Laurence.
Hayes, Charles W., and Martin.
Kimmell, Garman O., and Chenault.
Myers, James F., and Harclerode.
Simpson, Roy L.

Black, Theodore R., Tipp City, Ohio. Room ventilating apparatus. 2,592,002, Apr. 8.

Blackburn, Andrew R., and R. E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich. Mold and molding ceramic ware. 2,584,109, Feb. 5.

Blackburn, Andrew R., and R. E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich. Mold for pottery ware. 2,584,110, Feb. 5.

Blackburn, Andrew R., and R. E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich. Mold and making molds. 2,615,229, Oct. 28.

Blackburn, Andrew R., and R. E. Steele, Columbus, Ohio, assignors to Ram, Inc., Detroit, Mich. Mold. 2,619,702, Dec. 2.

Blackburn and General Aircraft Limited, assignee: *See*—
Prower, Charles W., and Guppy.

Blackburn, George F., Montgomery County, Md., and E. R. Paul, Washington, D. C. Abrasion testing machine. 2,582,223, Jan. 15.

Blackburn, Leroy S., Harmony, assignor to Universal Manufacturing Corp., Zelienople, Pa. Scaffold bracing. 2,588,905, Mar. 11.

Blackburn, Willfred C., Denver, Colo., assignor to the United States of America as represented by the Secretary of the Interior. Preparing a grouting fluid. 2,618,570, Nov. 18.

Blackford, Raymond H.: *See*—
Von Kokeritz, Karl, Blackford, and Schwaller.

Blackhall, Louis G., Albany, N. Y. Anchor for adjacent slabs of concrete pavements. 2,588,609, Mar. 11.

Blackman, Alexander, assignor of one-half to J. C. Hare, New Orleans, La. Master cylinder structure for hydraulic brake systems. 2,596,119, May 13.

Blackman, Birt G.: *See*—
Stamper, Hamilton A., Blackman, and Nelson.

Blackman, Edward L., Greenwich, Conn. Coat hanger and sleeve wrinkle remover. 2,586,909, Feb. 26.

Blackman, Glenn R., and C. J. McWhorter, South Houston, Tex. Strainer for pipe lines and cleaning the same. 2,606,663, Aug. 12.

Blackman, Keith, Limited, assignee: *See*— Tavener, Ernest E.

Blackman, Peter: *See*— White, Blanche B., Rosen, and Blackman.

Blackman, Peter, Westfield, F. Fortess and B. B. White, Summit, N. J. assignors to Celanese Corporation of America, New York, N. Y. Preparation of organic acid esters of cellulose. 2,603,637, July 15.

Blackman, Theodore A., New York, N. Y., assignor to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Hypodermic syringe. 2,592,381, Apr. 8.

Blackmer Pump Company, assignee: *See*— Brunson, Virgil A.

Blackmon, Truett M., Sherman Oaks, and F. D. Porter, Venice, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Weight and balance indicator. 2,615,330, Oct. 28.

Blackmore, Fred N.: *See*— Dies, Herbert F., and Blackmore.

Blackmore, Robert B., Casper, Wyo. Cutting timber and connecting the slabs. 2,613,708, Oct. 14.

Blackshear, Roy S., Hilo, Territory of Hawaii. Automatic spatula. 2,601,360, June 24.

Blackstone, Wilbert S.: *See*— Ropp, Irwin, and Blackstone.

Blackwell, Preston J., Emerson, N. J., assignor to Robert Gair Company, Inc., New York, N. Y. Carton feeding apparatus. 2,593,965, Apr. 22.

Blackwell, Richard L., Detroit, Mich. Cigarette holder. 2,582,097, Jan. 8.

Bladow, Otto A., Hankinson, N. Dak. Picnic coaster and holder therefor. 2,623,633, Dec. 30.

Blafield, Roy, Newport News, Va. Hydraulic brake system. 2,609,067, Sept. 2.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Preventing corrosion and corrosion inhibitors. 2,598,213, May 27.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Demulsifying. 2,599,538, June 10.

Blair, Emile, New Haven, Conn., assignor to Olin Industries, Inc. Cutting sheet material into blanks. 2,600,834, June 17.

Blair, Frank P., Chicago, Ill. Rotary shear. 2,598,212, May 27.

Blair, Gerhardt, New York, N. Y. Air impelling and heating apparatus. 2,617,915, Nov. 11.

Blair, Harold F., Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Impedance testing apparatus. 2,609,419, Sept. 2.

Blair, Jack L., Fort Smith, Ark. Toy horse. 2,604,329, July 22.

Blair, John A., Pleasant Ridge, assignor to King-Seeley Corporation, Ann Arbor, Mich. Fluid motor mechanism with reversing means. 2,616,401, Nov. 4.

Blair, John E., Bryan, Tex. Constructing a prefabricated bridge structure. 2,602,321, July 8.

Blair, Mark L., Flossmoor, and D. P. Eastman, assignors to United Specialties Company, Chicago, Ill. Air cleaner. 2,580,648, Jan. 1.

Blair, Robert H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Rectifier assembly of the dry disk type. 2,601,240, June 24.

Blairs Braces, Inc., assignee: *See*— Jewett, Eugene L.

Blais, Phillipe J., Claremont, N. H. Adjustable milling cutter. 2,592,382, Apr. 8.

Blak, Einar V., assignee: *See*— Kadesky, David.

Blake, Foster B., Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling line identification for automatic ticketing systems. 2,604,540, July 22.

Blake, Ivan C., assignor to Burgess Battery Company, Freeport, Ill. Primary cell. 2,612,533, Sept. 30.

Blake, Ivan C., assignor to Burgess Battery Company, Freeport, Ill. Primary cell. 2,612,534, Sept. 30.

Blake, Ivan C., assignor to Burgess Battery Company, Freeport, Ill. Primary cell. 2,612,535, Sept. 30.

Blake, Ivan C., assignor to Burgess Battery Company, Freeport, Ill. Primary cell. 2,612,536, Sept. 30.

Blake, Ivan C., assignor to Burgess Battery Company, Freeport, Ill. Primary cell. 2,612,537, Sept. 30.

Blake, Jack L., and J. Cochran, Houston, Tex. Pipe bending and layout table. 2,604,924, July 29.

Blake, Joseph A., Emporia, Va. Garment bagging machine with bag feeding rollers. 2,618,423, Nov. 18.

Blake Manufacturing Corporation, assignee: *See*— Garland, Edward J.

Blake, Moffitt & Towne, assignee: *See*— Hoblick, Benjamin M.

Blake, Samuel, Newton, assignor to Enterprise-Moakler Co. Inc., Cambridge, Mass. Handle for box springs or the like. 2,617,143, Nov. 11.

Blake, William T., Fort Worth, Tex. Hydraulic control for mechanisms. 2,615,534, Oct. 28.

Blakely, Robert T.: *See*— Bryce, James W., and Blakely.

Blakeney, John S., Sydney, New South Wales, Australia, assignor to Frazier-Simplex, Inc., Washington, Pa. Apparatus responsive to variations in liquid level. 2,621,808, Dec. 16.

Blaker, George H.: *See*— Davis, Lewis H., and Blaker.

Blakeway, Richard S., Victoria, New South Wales, Australia. Fuel pump. 2,596,360, May 13.

Blakey, John G., Portland, Oreg., assignor to American Can Company, New York, N. Y. Printing machine with article supporting device. 2,601,825, July 1.

Blalock, Bryan, assignee: *See*— Schultz, Myrtle M.

Blalock, Iva L., Portland, Oreg., and L. E. Ewing, Auburn, Calif. Saddle for brassière straps. 2,587,101, Feb. 26.

Blanchard, Allen W.: *See*— Karp, Harry R., and Blanchard.

Blanchard, Andre, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Nonspinning armored electric cable. 2,604,509, July 22.

Blanchard, Louis, Saint Cloud, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Making soluble solid silicates. 2,593,652, Apr. 22.

Blanchard, Robert G., assignee: *See*— Vail, Karl V.

Blanchard, Werner J., J. F. Haines, and T. B. Martin, Dayton, Ohio, and C. S. J. MacNeil, deceased, late of Dayton, Ohio, by E. M. MacNeil, administratrix, Dayton, Ohio, said W. J. Blanchard, J. F. Haines, T. B. Martin and C. S. J. MacNeil assignors to General Motors Corporation, Detroit, Mich. Propeller regulator assembly. 2,612,959, Oct. 7.

Blanchard, William A.: *See*— Moss, Charles W., and Blanchard.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jack eye for loom harness. 2,591,397, Apr. 1.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric protection means for looms. 2,609,010, Sept. 2.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Detector for warp stop motion. 2,609,011, Sept. 2.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pattern chain cylinder for dobby looms. 2,612,189, Sept. 30.

Blanchard, Donald W., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Displacement indicating apparatus. 2,596,361, May 13.

Blanchet, André, Neuilly-sur-Seine, assignor to Societe "La Telemecanique Electrique," Nanterre, France. Electromagnetic actuator for contactors and circuit breakers. 2,591,773, Apr. 8.

Blanchet, Ovila J., New Bedford, Mass. Electric circuit for controlling traffic signals. 2,590,748, Mar. 25.

Blanchfield, Richard F., assignee: *See*— Richardson, Clarence.

Blanco, Elias: *See*— Evans, William L., and Blanco. Witte, James G.

Blanco Oil Co., assignee: *See*— West, Thomas S.

Bland, Charles C., St. Louis, Mo. Method and apparatus for forming glass beads. 2,600,963, June 17.

Bland, Rose M., St. Louis, Mo. Folding dollhouse book. 2,608,026, Aug. 26.

Blanding, Forrest H.: *See*— Schmidt, Walter J., Jr., and Blanding.

Blaney, Arthur C. and D. L., Los Angeles, Calif., assignors to Radio Corporation of America. Magnetic recording and reproduction. 2,615,990, Oct. 28.

Blaney, Dorothy L.: *See*— Blaney, Arthur C. and D. L.

Blank, Cecil G.: *See*— Little, John M., and Blank.

Blank, Robert E.: *See*— Grummitt, Oliver J., Blank, and Schwarz.

Blankenbiller, Harold C., East Hampton, Conn. Combination dentifrice dispenser and toothbrush supporting means. 2,582,671, Jan. 15.

Blanklette Corporation, assignee: *See*— Lahnstein, Evelyn K., and J. A.

Blanton, William B.: *See*— Light, George G., and Blanton.

Blanton, William B., Rockville Centre, and A. H. Scheinman, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Testing arrangement for automatic telegraph switching system. 2,611,026, Sept. 16.

Blasutta, Victor V., Columbus, and W. E. Renick, Grove City, assignors to The Denison Engineering Company, Columbus, Ohio. Control mechanism for hydraulic apparatus. 2,608,182, Aug. 26.

Blatchford, George, Los Angeles, Calif. Door operator for doghouses. 2,583,354, Jan. 22.

Blatt, Paula, Berea, Ohio. Garter belt. 2,619,645, Dec. 2.

Blatt, Perry, Chicago, Ill. Shower curtain. 2,600,152, June 10.

Blatter, Hans, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Mechanical current converter with apparatus for monitoring the synchronously actuated switches. 2,622,234, Dec. 16.

Blatti, Albert L.: *See*— McLain, Harold O., and Blatti.

Blatti, Ruby C., executrix: *See*— McLain, Harold O., and Blatti.

Blattner, Emil H., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Side bearing. 2,617,697, Nov. 11.

Blatz, Hanson, assignor to Ritter Company, Rochester, N. Y. Closure for fluoroscope machine casing. 2,601,361, June 24.

Blatz, Leo J., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing heating oil. 2,592,383, Apr. 8.

Blatz, Walter L., Scotia, N. Y., assignor to General Electric Company. Hemispherical combustion chamber end dome having cooling air deflecting means. 2,581,999, Jan. 8.

Blaw-Knox Company, assignee: *See*— Barnebey, Herbert L., and Shields. Croft, George M. Eckstrom, Albert W. Ehrhardt, George J. Harcourt, Guy N. Lavett, Charles O. Leslie, Eugene H. Montgomery, Duncan B., and Hegg. Ornitz, Nathaniel B. Pottmeyer, Edward W. Sarosdy, Louis J. Shields, James R. Thomas, William A.

Blaydes, Frederick T., and J. L. Bauman, Canton, Ill., assignors to International Harvester Company. Tractor-mounted cultivator. 2,613,583, Oct. 14.

Blaydes, Norman S., Phoenix, Ariz., assignor to The Bastian-Blessing Company, Chicago, Ill. Unloading adapter. 2,620,817, Dec. 9.

Blayney, James L., Lansdale, assignor to Philco Corporation, Philadelphia, Pa. Electrostatic apparatus for measuring voltages. 2,583,763, Jan. 29.

Blayney, James L., Lansdale, assignor to Philco Corporation, Philadelphia, Pa. Current-limiting circuit for cathode-ray tubes. 2,617,964, Nov. 11.

Blazek, John Y., assignor to Lempco Products, Inc., Bedford, Ohio. Reamer and producing same. 2,582,524, Jan. 15.

Blazer, Charles W., Rochester, assignor to The Lummus Company, New York, N. Y. Distillation column tray construction. 2,619,337, Nov. 25.

Blazewicz, Edmond T., Chicago, Ill. Snap hook. 2,608,736, Sept. 2.

Blazier, Jess A., Cleveland, Ohio, assignor to George Knowles, Gear case and drive axle mounting for tractors. 2,608,261, Aug. 26.

Bleam, Edgar W.: *See*— Stokes, John S., and Bleam.

Bleam, Howard A., F. Singleman, and D. Miller, assignors to Admiral Corporation, Chicago, Ill. Soldering iron. 2,609,778, Sept. 9.

Blease, John H., Hatch End, England. Apparatus for the control of respiration resuscitation and anaesthesia. 2,591,120, Apr. 1.

Blecko, Carl, Preston, assignor to Rockwood Corporation, Issaquah, Wash. Making composition fiber panels. 2,622,302, Dec. 23.

Bledsoe, Carl L., assignor to Ogle Construction Co., Chicago, Ill. Combined delivery tube nozzle and valve. 2,610,780, Sept. 16.

Bleecker, Arthur B., assignor to The Norbal Company, San Francisco, Calif. Making a luminous multipurpose sealer composition. 2,620,311, Dec. 2.

Blegen, Winifred A., York, N. Dak. Adjustable bandage for a hernia of the groin. 2,618,260, Nov. 18.

Bleihtreu, Hermann, Hinsdale, Ill., assignor to Joanna-Western Mills Company. Shade roller. 2,614,629, Oct. 21.

Blench, Ronald O., Hillside, Southport, assignor to E. Griffiths Hughes Limited, Salford, Lancashire, England. Heating of coffee beans. 2,594,385, Apr. 29.

Blessen, Gus A., Richmond, Calif. Antiglare shade for windshields. 2,594,386, Apr. 29.

Bletcher, James H., assignee: *See*— Bentley, Clarence H. Bletcher, Ralph E., Bentley, and Bucknell.

Bletcher, Pearl W., assignee: *See*— Bentley, Clarence H. Bletcher, Ralph E., Bentley, and Bucknell.

Bletcher, Ralph E., assignee: *See*— Bentley, Clarence H.

Bletcher, Ralph E., C. H. Bentley, and E. H. Bucknell, Los Angeles, Calif.: assignors of ten per cent to R. E. Bletcher, twelve and one-half per cent to E. H. Bucknell, twelve and one-half to M. Bucknell, ten per cent to P. W. Bletcher, twenty-five per cent to M. B. Liston, ten per cent to J. H. Bletcher, ten per cent to H. B. Skinner and ten per cent to C. R. B. Robertson (also known as Mrs. F. K. Robertson). Antisiphon spout and spray fixture. 2,608,412, Aug. 26.

Bletcher, Ralph E., C. H. Bentley, and I. A. Ward, assignors to Modern Faucet Mfg. Co., Los Angeles, Calif. Transfer valve. 2,587,960, Mar. 4.

Bletcher, Ralph E., C. H. Bentley, and I. A. Ward, assignors to Modern Faucet Mfg. Co., Los Angeles, Calif. Transfer valve. 2,587,961, Mar. 4.

Bleuer, Lorin T.: *See*— Gardinor, Elliott W., Cheney, and Bleuer.

Blewett, Howard W., Ansonia, and J. A. Bernardini, New Haven, Conn. Micrometer bracket. 2,590,922, Apr. 1.

Blewett, John P., Schenectady, N. Y., assignor to General Electric Company. Phase comparison object locating system. 2,608,683, Aug. 26.

Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Spinning filaments and spinneret for use therewith. 2,588,200, Mar. 4.

Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Double twist spindle. 2,620,617, Dec. 9.

Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Twist barrier for double twist spindles. 2,590,372, Mar. 25.

Blicke, Frederick F., assignor to Regents of The University of Michigan, Ann Arbor, Mich. Basic dioxanes. 2,606,907, Aug. 12.

Blicke, Frederick F., assignor to Regents of The University of Michigan, Ann Arbor, Mich. Basic dioxolanes. 2,606,908, Aug. 12.

Blicke, Frederick F., assignor to Regents of The University of Michigan, Ann Arbor, Mich. Basic dioxolanes. 2,606,909, Aug. 12.

Blickensderfer, Philip S., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Electrodeposition of metals. 2,603,593, July 15.

Blickle, Herman A., Highland Park, N. J. Spring jack for knitting machine needles. 2,592,787, Apr. 15.

Blihovde, Norman, El Monte, Calif., assignor to The Borden Company, New York, N. Y. Stabilizing foodstuff and stabilizing composition. 2,604,406, July 22.

Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Crossbelt magnetic separator. 2,591,121, Apr. 1.

Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Crossbelt magnetic separator. 2,591,122, Apr. 1.

Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic separator. 2,597,561, May 20.

Blinn, Glenn E., Harworth, N. J. Switch actuating device. 2,618,713, Nov. 18.

Blinoff, Vsevolod, Neuilly-sur-Seine, assignor to Societe Anonyme d'Innovations Chimiques so-called "Sinnova" or "Sadic," Meaux-Beauval, France. Cation-active compounds derived from alkaryl sulfonyl chlorides or alkali sulfonates. 2,605,281, July 29.

Blish, Morris J., Toledo, Ohio, assignor to International Minerals & Chemical Corporation. Manufacture of protein hydrolysates. 2,598,341, May 27.

Bliss, Emmitt, Fort Wayne, Ind. Twist drill gauge. 2,592,003, Apr. 8.

Bliss, George L.: *See*— Chase, Charles R., and Bliss.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Interlock mechanism for liquid dispensing apparatus. 2,594,853, Apr. 29.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Timer. 2,605,833, Aug. 5.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter resetting mechanism. 2,610,794, Sept. 16.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Variator. 2,618,983, Nov. 25.

Bliss, Philip: *See*— Raymond, Horace H., Bliss, Coe, and Campbell.

Bliss, Robert H., Jr., East Syracuse, N. Y. Mullion. 2,615,539, Oct. 28.

Bliss, William R., Washington, D. C. Coupling device. 2,611,822, Sept. 23.

Bliss, William R., Washington, D. C. Variable polarization antenna system. 2,581,352, Jan. 8.

Blissit, Raymond J., Broken Arrow, assignor to Zero Hour Bomb Company, Tulsa, Okla. Spinning-type reel. 2,602,603, July 8.

Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Glide path control for aircraft. 2,599,223, June 3.

Blitzer, Sidney M., and O. M. Brown, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Recovery of tetraalkyllead compounds. 2,622,093, Dec. 16.

Blizard, John, Garden City, assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 2,609,797, Sept. 9.

Bliznick, Alexander: *See*— Waletzky, Emanuel, and Bliznick.

Bloch, Felix, Palo Alto, Calif., assignor to the United States of America as represented by the Secretary of War. Aerial cable with external radio signal reflection correction. 2,594,854, Apr. 29.

Bloch, Heinz, Wettingen, assignor to "Patelhold" Patentverwertungs- & Elktro-Holding A.-G., Glarus, Switzerland. Magnetrostrictive four-pole. 2,607,814, Aug. 19.

Bloch, Herman S.: *See*— Hervert, George L., and Bloch. Hoffman, Alfred E., and Bloch. Thompson, Ralph B., and Bloch.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Dihydrocarbon peroxides capable of controlling polymerization reactions. 2,603,629, July 15.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Modification of drying oils. 2,611,788, Sept. 23.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Rubberlike materials and an unsaturated hydrocarbon oil. 2,615,856, Oct. 28.

Bloch, Herman S., Chicago, and E. M. Geiser, Downers Grove, assignors to Universal Oil Products Company, Chicago, Ill. Drying oil composition. 2,616,863, Nov. 4.

Bloch, Herman S., Chicago, and A. E. Hoffman, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Olefin copolymers having drying properties. 2,582,411, Jan. 15.

Bloch, Herman S., Chicago, and R. B. Thompson, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Resinous products from aromatic polyketones and polyamides. 2,594,537, Apr. 29.

Bloch, Herman S., Chicago, and R. C. Wackher, La Grange, assignors to Universal Oil Products Company, Chicago, Ill. Production of drying oils. 2,590,923, Apr. 1.

Bloch, Herman S., Chicago, and R. C. Wackher, La Grange, assignors to Universal Oil Products Company, Chicago, Ill. Production of drying oils. 2,622,108, Dec. 16.

Bloch, Herman S., Chicago, and R. C. Wackher, La Grange, assignors to Universal Oil Products Company, Chicago, Ill. Production of drying oils. 2,622,109, Dec. 16.

Bloch, Monroe P., executor: *See*—
Harris, Frederic R.

Block & Anderson Limited, assignee: *See*—
Bonsch, François R.
Gerlach, Hugo.

Block, Carl H., Peoria Heights, Ill. Combined heat exchange system and auxiliary power plant for internal-combustion engines. 2,581,747, Jan. 8.

Block, H. L., Detroit, and L. G. Smith, Royal Oak, assignors to Ford Motor Company, Dearborn, Mich. Tractor speed transmission. 2,612,783, Oct. 7.

Block, Harold A., Manistee, Mich. Conveyer type display rack. 2,603,360, July 15.

Block, Herbert J., Chicago, Ill. Support for cooking utensils. 2,593,003, Apr. 15.

Block, Joseph J., Chicago, Ill. Chair for handicapped persons. 2,591,911, Apr. 8.

Block, Joseph J., Chicago, Ill. Walking trainer for spastic children. 2,591,912, Apr. 8.

Block, Richard J., Scarsdale, N. Y., assignor to The Borden Company. Noncrystallizing lactose sirup and making. 2,592,509, Apr. 8.

Block, Wilhelm F., White Plains, assignor to Remington Rand Inc., New York, N. Y. Card index and slidable signal. 2,621,658, Dec. 16.

Block, Zenas, Larchmont, G. J. Rosner, Brooklyn, and A. H. Goodman, Great Neck, assignors to Doughnut Corporation of America, New York, N. Y. Increasing adhesion of coatings to deep-fat fried foods. 2,615,811, Oct. 28.

Blocker, H. Sheldon, assignee: *See*—
Daniels, Stephen L.

Blockinger, William, West St. Paul, Minn. Fishing bobber. 2,582,619, Jan. 15.

Blodgett, Edward D., Haddonfield, N. J., and L. L. Lakatos, Bala Cynwyd, Pa., assignors to Radio Corporation of America. Radio direction finder. 2,620,471, Dec. 2.

Blodgett, Edwin O., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Tape reader. 2,619,532, Nov. 25.

Blodgett, Katharine B., Schenectady, N. Y., assignor to General Electric Company. Step gauge for measuring thickness of thin films. 2,587,282, Feb. 26.

Blodgett, Katharine B., Schenectady, N. Y., assignor to General Electric Company. Electrically conducting layer. 2,597,562, May 20.

Blodgett, Katharine B., and V. J. Schaefer, Schenectady, N. Y., assignors to General Electric Company. Electrical indicator of mechanical expansion. 2,589,983, Mar. 18.

Bloechl, Aloysius, La Porte, Ind. Rim tire lock. 2,583,809, Jan. 29.

Bloem, Herman, and M. Stel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Producing novolaks. 2,616,872, Nov. 4.

Bloemeke, Richard H.: *See*—
Kuthe, Herman K., and Bloemeke.

Blohm, Malte P., assignee: *See*—
Andersson, Donald A. V.

Blohm, Oscar A., Des Plaines, assignor to Chicago Lock Company, Chicago, Ill. Cylinder lock. 2,580,882, Jan. 1.

Blom, Russell H., Peoria Heights, V. E. Sohns and A. J. Moyer, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of inoculum for use in the fermentative production of sodium gluconate. 2,594,283, Apr. 29.

Blom, Sven G.: *See*—
Angerby, Erik A., Axsäter, and Blom.

Blomberg, Leslie, assignee: *See*—
Nielsen, David.

Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Railway truck. 2,609,757, Sept. 9.

Blomén, Torsten, assignor to Aktiebolaget Linderoths Patenter, Stockholm, Sweden. Wet separator for purifying a particle laden gas current. 2,598,032, May 27.

Blomquist, Alfred T., and R. D. Spencer, Ithaca, N. Y. Synthesis of many-membered cyclic ketones. 2,384,664, Feb. 5.

Blomqvist, Sven G. F., Stora Essingen, assignor of one-half to Ingenjorsfirman H. F. Rost & Soner, Djursholm, Sweden. Switch contact spring. 2,612,367, Sept. 30.

Blondeau, Benjamin H., Seattle, Wash. Hot-water heating device and method. 2,594,616, Apr. 29.

Blondeau, René, and J. Van Overbeek, Modesto, and R. R. Whetstone, Orinda, assignors to Shell Development Company, San Francisco, Calif. Herbicidal composition and weed control. 2,600,045, June 10.

Blonder, Isaac S., Mount Vernon, N. Y. Thermorelay element. 2,609,466, Sept. 2.

Blood, Robert H., Tulsa, Okla., assignor to Standard Oil Development Company. Formation tester. 2,581,070, Jan. 1.

Blood, Walter R., and J. W. Moore, Rugby, England, assignors to General Electric Company. Electrostatic coating apparatus. 2,604,870, July 29.

Bloodgood, Vivian C., Cass County, Mich. Animal trap. 2,594,855, Apr. 29.

Bloom, Allen, Forest Hills, assignor to Westin, Inc., New York, N. Y. Door wicket. 2,581,234, Jan. 1.

Bloom, Charles E., assignee: *See*—
Strickman, Samuel W.

Bloom, Fredrick K., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel process and product. 2,590,074, Mar. 25.

Bloom, Gertrude and I., New York, N. Y., assignors to Gluv-Gard Mfg. Co., Inc. Glove holder. 2,584,251, Feb. 5.

Bloom, Israel: *See*—
Bloom, Gertrude and I.

Bloom, Quentin M., Huntingdon Valley, assignor to Selas Corporation of America, Philadelphia, Pa. Work conveying mechanism for furnaces. 2,592,236, Apr. 8.

Bloom, Robert A.: *See*—
Langmaid, Alvin E., and Bloom.

Bloomer Bros. Company, assignee: *See*—
Bloomer, Harrison C.
Inman, William H.
Mobley, Edwin H.

Bloomer, Harrison C., assignor to Bloomer Bros. Company, Newark, N. Y. Collapsible cardboard carton. 2,591,500, Apr. 1.

Bloomfield, George V., Redditch, assignor to The Chloride Electrical Storage Company Limited, Clifton Junction, near Manchester, England. Selector mechanism. 2,620,813, Dec. 9.

Bloomfield, Samuel, Chicago, Ill. Tray. 2,605,929, Aug. 5.

Bloomsburgh, Ralph A., Lafayette Hill, assignor to Philco Corporation, Philadelphia, Pa. Aligning cathode-ray tube assemblies. 2,603,550, July 15.

Bloomstran, Floyd H.: *See*—
Jones, James R., Bloomstran, and Gronberg.

Bloomstran, Hillmer F., assignor to Watson Manufacturing Company, Inc., Jamestown, N. Y. Hand propelled vehicle. 2,582,000, Jan. 8.

Blosser, Herman G., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Subdivided coded railway track circuit. 2,590,924, Apr. 1.

Blott, John F. T., Worcester Park, and P. Alexander, Surbiton, England, assignors to Shell Development Company, San Francisco, Calif. Bituminous mixtures and their preparation. 2,603,573, July 15.

Blough, Paul M., assignor to J. A. Kroll, Chicago, Ill. Alternating current clock. 2,616,240, Nov. 4.

Blouin, Maurice A., assignor to Simplex Time Recorder Co., Gardner, Mass. Program signal apparatus. 2,591,335, Apr. 1.

Bloxsom, Allan P., Houston, Tex. Lubricated syringe. 2,618,264, Nov. 18.

Bludeau, Robert E., Denville, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Liquefied gas discharge pump. 2,580,649, Jan. 1.

Bludeau, Robert E., Denville, N. J., assignor, by meane assignments, to Union Carbide and Carbon Corporation. Mechanical pulverization of refrigerated plastics. 2,609,150, Sept. 2.

Blue, John, assignor to John Blue Company, Huntsville, Ala. Liquid fertilizer applying apparatus. 2,594,284, Apr. 29.

Blue, John, assignor to John Blue Company, Huntsville, Ala. Fertilizer distributor. 2,615,596, Oct. 28.

Blue, John, Company, assignee: *See*—
Blue, John.

Blue, Lebert E., assignor to Transit Research Corporation, New York, N. Y. Heating and ventilating system. 2,593,094, Apr. 15.

Blue, Richard W., and C. J. Engle, Bartlesville, Okla., assignors to Phillips Petroleum Company. Conversion of oil residua to lighter hydrocarbons. 2,620,293, Dec. 2.

Blue Channel Corporation, The, assignee: *See*—
Harris, Sterling G.

Bluemmel, Francis P., Westfield, and L. D. Lytle, Plainfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Producing noncrystallizing copper phthalocyanine. 2,615,027, Oct. 21.

Blue Ridge Glass Corporation, assignee: *See*—
Glynn, Theodore W.

Bluestein, Ben A., Schenectady, N. Y., assignor to General Electric Company. Pyridylchlorosilanes. 2,584,665, Feb. 5.

Bluestein, Ben A., Schenectady, assignor to General Electric Company, New York, N. Y. Preparation of hexamethylcyclotrisiloxane. 2,618,648, Nov. 18.

Bluestone, Henry: *See*—
Herzfeld, Simon H., Lidov, and Bluestone.

Bluhm, Fred A., Michigan City, assignor, by mesne assignments, to Air Appliances Corporation, La Porte, Ind. Fluid motor. 2,594,856, Apr. 29.

Blum, Hosmer L., assignor to Bowser, Inc., Fort Wayne, Ind. Flow control device. 2,581,748, Jan. 8.

Blum, Hosmer L., Burlingame, Calif., assignor to L. C. Grover. Advertising device. 2,589,474, Mar. 18.

Blum, Jay H., assignor to The Fibre Forming Corporation, Olean, N. Y. Chair back. 2,611,423, Sept. 23.

Blum, Oscar A., Bayonne, assignor to The M. W. Kellogg Company, Jersey City, N. J. Dechlorination of a halocarbon containing chlorine. 2,590,433, Mar. 25.

Blum, Robert D., Jr.: *See*—
Schwartz, Shepard B., and Blum.

Blum, Sidney, Forest Hills, N. Y. Tool with separable handle. 2,605,110, July 29.

Blum, Theodore W., assignee: *See*—
Haddon, Jesse E.

Blumauer, Ernst, assignor to L. A. Polzer, Graz, Styria, Austria. Bottle attachment device for use in preparing sparkling beverages. 2,584,183, Feb. 5.

Blume, Frank J., Chicago, Ill. Adjustable bracket. 2,617,618, Nov. 11.

Blume, Roe C., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterogeneous, basic hydrolysis of carboxylic acid esters of polyvinyl alcohol with quaternary ammonium bases. 2,581,832, Jan. 8.

Blume, Roe C., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterogeneous, acidic hydrolysis of polymeric esters with alkyl phosphoric acid esters. 2,583,991, Jan. 29.

Blumensaadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Transfer device. 2,584,836, Feb. 5.

Blumensaadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Wire-straightening fixture. 2,591,123, Apr. 1.

Blumenshien, Alice J., National City, Calif. Clothes catching attachment for ironing boards. 2,620,577, Dec. 9.

Blumenthal, Sidney & Company, Inc., assignee: *See*—
Koroleyshun, Russell T., and Sullivan.

Blumer, Donald R., St. Paul, Minn., assignor to Phillips Petroleum Company. Producing unsaturated hydrocarbons. 2,613,233, Oct. 7.

Blumlein, Alan D., deceased, London, by D. Walker, executrix, Paignton, and E. L. C. White, Iver, England, assignors to Electric & Musical Industries Limited. Methods and apparatus for the control of the timing of recurrent signals. 2,586,605, Feb. 19.

Blumner, Aline E., New York, N. Y. Dish carton. 2,583,081, Jan. 22.

Blumson, Samuel S., Baltimore, Md. Combined closure cap for closing the outlet spout and key for opening the filling plug of a liquid container. 2,609,970, Sept. 9.

Blundell, Geoffrey G.: *See*—
Anderson, Edward G. O., Blundell, and Rhys-Jones.

Blundell, Solon A., Jr.: *See*—
Robeson, Max O., and Blundell.

Bluth, Ludwig S., Los Angeles, Calif. Retaining ring. 2,580,396, Jan. 1.

Blythe, William E., Birmingham, Mich., assignor to Driver-Harris Company, Harrison, N. J. Conveying disk for heat-treating furnaces. 2,621,033, Dec. 9.

Boaden, Earl T., and J. L. Simpson, Los Angeles, assignors to Emde Products, Inc., Culver City, Calif. Transparency projection slide. 2,587,434, Feb. 26.

Boadway, Odber E., Pasadena, assignor to Innovations, Inc., Los Angeles, Calif. Closure for containers. 2,582,224, Jan. 15.

Boadway, Odber E., Pasadena, assignor to Innovations, Inc., Los Angeles, Calif. Sealing and dispensing closure for container necks. 2,591,231, Apr. 1.

Boardman, Edward M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Capacitor. 2,608,601, Aug. 26.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Squaroid. 2,593,408, Apr. 22.

Boardman, Herbert D., and F. Hansen, Manchester, Iowa. Overload attachment for semielliptical springs. 2,607,584, Aug. 19.

Boardman, Martha E., assignee: *See*—
Huelsdonk, William A.

Boardman, Reginald G., Sutton Coldfield, near Birmingham, and A. P. Thomas, Marston Green, Birmingham, England. Electric steaming iron. 2,589,921, Mar. 18.

Boarini, Edward J., Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Lock-down shingle. 2,607,306, Aug. 19.

Boario, William R., and D. E. Oyster, Dayton, Ohio. Producing multiple tone effect in cathode-ray tube indications. 2,619,633, Nov. 25.

Boast, Warren B., Ames, Iowa, and J. D. Ryder, Champaign Ill., assignors to Iowa State College Research Foundation, Inc., Ames, Iowa. Generator. 2,588,797, Mar. 11.

Boat, Earl M.: *See*—
Bishop, John J., and Boat.

Boat, Earl M., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Dial bore gauge. 2,601,496, June 24.

Boates, Arthur R., Mill Valley, Calif. Mileage lubrication indicator. 2,601,838, July 1.

Boatwright, Reuben C., Fort Belvoir, Va. Turkey call. 2,606,401, Aug. 12.

Boatright, Robert G., and J. Fetchin, Borger, Tex., assignors to Phillips Petroleum Company. Deactivation of popcorn polymer with nitric acid. 2,616,935, Nov. 4.

Bobard, Emile, Beaune, France. Mowing machine. 2,587,435, Feb. 26.

Bobard, Emile, Beaune, France. Motor containing wheel. 2,597,436, May 20.

Bobb, Lloyd J., Glenside, assignor to The International Electronics Company, Philadelphia, Pa. Low capacity switch. 2,599,314, June 3.

Bobb, Lloyd J., Glenside, assignor to The International Electronics Company, Philadelphia, Pa. Device utilizing erase head impedance to vary amplifier gain. 2,600,046, June 10.

Bobb, Russell V., Mulberry, and R. G. Brunger, La Fayette, Ind., assignors to Aluminum Company of America, Pittsburgh, Pa. Making aluminum alloy tubing and product. 2,614,053, Oct. 14.

Bobbs, William P., Toronto, Ontario, assignor to A. V. Roe Canada Limited, Malton, Peel, Ontario, Canada. Automatic pattern controlled machine tools. 2,610,447, Sept. 16.

Bobby, Frederick J.: *See*—
Rear, James C., and Bobby.

Bobenmyer, Corson E., assignee: *See*—
McOmber, Loren W.

Bobier, Wilfred S., Jr., Grosse Pointe, Mich., assignor to G. M. and E. Holley. Emergency fuel control. 2,614,617, Oct. 21.

Bobisch, William J., Altadena, assignor to The R. H. Osborne Company, Los Angeles, Calif. Multiple pintle hinge for overhead doors. 2,603,826, July 22.

Bobopen, Inc., assignee: *See*—
Cogswell, Walter F.

Bobrick, Arthur L., Pasadena, Calif. Lather dispenser. 2,615,757, Oct. 28.

Bobrowski, Henry, Morris, Manitoba, Canada. Self-leveling motor mount assembly for grain conveyers and the like. 2,583,082, Jan. 22.

Bobrowski, Henry, Morris, Manitoba, Canada. Portable grain conveyer. 2,601,916, July 1.

Bobrowski, Henry and V., Morris, Manitoba, Canada. Conveyer drive. 2,619,224, Nov. 25.

Bobrowski, Victor: *See*—
Bobrowski, Henry and V.

Bobst, Raymond I., De Soto, Wis. Automatic bale tension control for baling machines. 2,582,672, Jan. 15.

Bocast, Donald R., Grand Rapids, Mich., assignor to General Electric Company. Apparatus for tipping-off sealed envelopes. 2,604,732, July 29.

Bocchino, Roger, Paris, France. Artificial decoy fish. 2,596,201, May 13.

Böcher, Hermann, Cologne-Kalk, Germany. Wire reeling apparatus. 2,614,766, Oct. 21.

Bocjl Corporation, assignee: *See*—
Lang, Joseph C.

Bock, Edward H., Jr., Wayzata, Minn. Paint container attachment. 2,621,829, Dec. 16.

Bock, Louis H.: *See*—
Culver, Martin J., and Bock.

Bock, Otto H., Jacksonville, Fla. Closed receptacle for cigarette ash. 2,593,836, Apr. 22.

Bock, William M., Jr., Milwaukee, Wis. Book index. 2,616,727, Nov. 4.

Bockmeyer, Eldon, Philadelphia, Pa. Refrigerated case with forced circulation of air. 2,590,496, Mar. 25.

Bockrath, George E., Long Beach, Calif. Aircraft gust alleviating control means. 2,584,666, Feb. 5.

Bockrath, George E., Long Beach, Calif. Gust alleviating control means for airplanes. 2,584,667, Feb. 5.

Bockstahler, Earl R., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. P-alkoxybenzilic acids. 2,605,283, July 29.

Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange polymers of the carboxylic type. 2,597,437, May 20.

Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange polymers of the sulfonic type. 2,597,438, May 20.

Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Weakly basic anion-exchange polymers. 2,597,439, May 20.

Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Strongly basic anion-exchange resins. 2,597,440, May 20.

Boddey, Ronald F.: *See*—
Strauss, Kossy, and Boddey.

Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,601,241, June 24.

Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Rotatable receptacle assembly. 2,605,160, July 29.

Boddy, John: *See*—
Bayes, Charles A., and Boddy.
Boddy, Leonard, assignor to King-Seeley Corporation, Ann Arbor, Mich. Vaporizer. 2,612,432, Sept. 30.
Boden, George, Waterbury, and M. V. Duell, Oakville, assignors to Scovill Manufacturing Company, Waterbury, Conn. Resilient snap hook. 2,613,422, Oct. 14.
Boden, Samuel H.: *See*—
Bonine, Ralph O., and Boden.
Boden, Wendell A., Detroit, Mich. Apparatus for preparing citrus fruit. 2,613,711, Oct. 14.
Bodendoerfer, Ray E., and D. C. Fee, Milwaukee, and H. C. Frentzel, Shorewood, assignors to Federal Manufacturing Co., Milwaukee, Wis. Sanitary milk bottle capping head. 2,591,501, Apr. 1.
Bodendoerfer, Ray E., and D. C. Fee, Milwaukee, and H. C. Frentzel, Shorewood, assignors to Federal Manufacturing Co., Milwaukee, Wis. Receptacle filling nozzle with filling and vent valves. 2,620,113, Dec. 2.
Bodey, Charles E., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,590,674, Mar. 25.
Bodey, Charles E., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator and casing therefor. 2,605,296, July 29.
Bodger, Walter K., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Overspeed governor. 2,582,674, Jan. 15.
Bodine, Albert G., Jr., Van Nuys, Calif. Resonant gas compressor and method. 2,581,902, Jan. 8.
Bodkin, Ernest A., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Extrusion of inorganic oxide hydrogels. 2,604,662, July 29.
Bodkin, Ernest A., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Extruding porous material. 2,617,169, Nov. 11.
Bodle, Alexander T., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Belt measuring device. 2,612,698, Oct. 7.
Bodman, John W., Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Dedusting soap and the resulting product. 2,592,535, Apr. 15.
Bodnar, Alexander, Bronx, N. Y. Apparatus for dusting capsules. 2,617,137, Nov. 11.
Bodnar, Bartholomew J., Tuckahoe, N. Y. Ball tip fountain pen. 2,606,530, Aug. 12.
Bodnar, Camillo E., Tampa, Fla. Pendulum limb support crutch. 2,585,730, Feb. 12.
Bodnar, John, Hempstead, N. Y. Windowpane fastener. 2,617,160, Nov. 11.
Bodwell, Corliss L., Springvale, Maine. Bait holder. 2,622,363, Dec. 23.
Body, Alfred C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency induction-heating apparatus. 2,582,955, Jan. 22.
Body Guard-Valve Co., Inc., assignee: *See*—
Sanford, Paul W.
Boe, Carsten F., Wooddale, Del. Triple expansion nozzle and method of spraying liquids. 2,585,429, Feb. 12.
Boe, Eddie S., Newgulf, Tex. Apparatus for separation of sulfur vapors. 2,600,464, June 17.
Boecher, Walter, Jr., Bayside, and H. J. Harris, Hartsdale, assignors to Thermoray Corporation, New York, N. Y. Electrical radiant heating panel. 2,623,150, Dec. 23.
Boeddinghaus, Hugo P., Greenwich, Conn., B. Freyer, Cornwall-on-Hudson, and G. J. Sanford, Newburgh, N. Y., assignors to American Felt Company, Glenville, Conn. Felt hardening machine. 2,616,154, Nov. 4.
Boegehold, Alfred L., assignor to General Motors Corporation, Detroit, Mich. Making bearings. 2,585,430, Feb. 12.
Boehl, Wilhelm: *See*—
Badenhausen, Otto A., Wahl, and Boehl.
Boehling, Daniel E., assignor to The Cardwell Machine Company, Inc., Richmond, Va. Apparatus for feeding and packing loose material. 2,619,272, Nov. 25.
Boehm, Carl A., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Auxiliary transmission mechanism for milling machines. 2,622,454, Dec. 23.
Boehm, John C.: *See*—
Musebeck, George E., and Boehm.
Boehm, Lois E.: *See*—
Schulz, William H., and Boehm.
Boehm-Myro, Robert, London, England. Hand covering. 2,603,790, July 22.
Boehm, Paul F., Greenwich, Conn. T-square. 2,588,079, Mar. 4.
Boehm, Paul F., Greenwich, Conn., assignor to J. R. Cassell Co., Incorporated, New York, N. Y. Protractor. 2,622,326, Dec. 23.
Boehm, Walter G.: *See*—
McBride, Jesse E., and Boehm.
Boehringer, Samuel J., Milwaukee, Wis. Dipper. 2,584,416, Feb. 5.
Boeing Airplane Company, assignee: *See*—
Anderson, Roy H.
Bellam, Joseph E.
Butler, Van B., and Cook.
Cooper, James B., and Jepson.
Davies, Charles H.
Drakeley, George T., and Hanson.
Gates, Jack R., and Schuler.
Boeing Airplane Company, assignee: *See*—Continued.
Heckard, Clifford L., and Anderson.
Linforth, Robert L., and Hage.
King, Kenneth M., and Haines.
Kirkbride, John F., and Mayer.
McFadden, Harry M.
Moorehead, James R., and Reinbold.
Morrison, John A.
Plath, Robert.
Price, Nathan C.
Robertson, John A., and Rock.
Swanson, Wallace R.
Tatom, Raymond F.
Terdina, Frank.
Terdina, Frank, and Muzzy.
White, Compton I., Jr., Young, Pederson, and Rahn.
Williams, Robert L., Lammers, and Zipp.
Woods, Frederick E., and Williams.
Boelens, Willem W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for wave length modulation. 2,582,673, Jan. 15.
Boenig, Martin E., Woodsboro, Tex. Row marker. 2,613,586, Oct. 14.
Boer, Hendrik, assignee: *See*—
Van Rooy, Johannes M.
Boerdijk, Arie H., and J. M. L. Janssen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Power supply system providing filament and anode voltages for an electron discharge device. 2,586,507, Feb. 19.
Boerger, Julius W., assignor to Allover Manufacturing Company, Racine, Wis. Clipper and electric motor therefor. 2,586,415, Feb. 19.
Boerner, Lewis W., assignor to National Foam System, Inc., West Chester, Pa. Combination water and foam sprinkler unit. 2,601,899, July 1.
Boersma, Barney, and A. A. Parcels, Grand Rapids, Mich., assignors to Sackner Products, Inc. Making tacking strip. 2,597,918, May 27.
Boës, Jean, Boinvilliers par Vert, France. Holding and packaging means for pharmaceutical phials and the like. 2,598,492, May 27.
Boese, Alvin W., White Bear Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making decorative tissues. 2,620,853, Dec. 9.
Boesewetter, Chester C.: *See*—
Barry, Robert L., and Boesewetter.
Boesger, George A., North Olmsted, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Dust collector. 2,583,039, Jan. 22.
Boestad, Gustav K. W.: *See*—
Wahlsten, Gösta L. B., and Boestad.
Boestad, Gustav K. W., Lidingo, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Heat exchanger. 2,596,642, May 13.
Boestad, Gustav K. W., Lidingo, and T. I. Lindhagen, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Control means for variable load multiple stage gas turbine systems 2,622,392, Dec. 23.
Boettner, Fred E., Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. 2,4-dinitro-6-alkylphenyl p-chlorobenzene sulfonates. 2,605,277, July 29.
Bogan, Charles W.: *See*—
Connor, Kathleen M., and Bogan.
Bogart, W. H., assignee: *See*—
Shink, George J.
Bogdanowski, John W.: *See*—
Williams, Ernest, and Bogdanowski.
Boge, Herbert E., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Laminated pipe and making same. 2,609,319, Sept. 2.
Bogenschutz, Frank A., assignee: *See*—
Bogenschutz, Thomas M.
Bogenschutz, Harry J., assignee: *See*—
Bogenschutz, Thomas M.
Bogenschutz, Oliver C., assignee: *See*—
Bogenschutz, Thomas M.
Bogenschutz, Thomas M., assignor of twenty-five per cent to F. A. Bogenschutz, Clayton, twenty-five per cent to H. J. Bogenschutz, Roslere, and twenty-five per cent to O. C. Bogenschutz, Clayton, N. Y. Machine for decapping honeycombs. 2,580,397, Jan. 1.
Boger, Sam, and D. V. Davis, Dodge City, Kans. Crankcase oil heater attaching means. 2,620,429, Dec. 2.
Boggs, Conda P., assignee: *See*—
Lyne, John L.
Boggs, Fitzhugh W.: *See*—
Dakin, Thomas W., Works, and Boggs.
Boggs, Raymond H., Coronado, Calif. Automatic shutoff valve. 2,590,838, Apr. 1.
Bogle, Nelson H., Lexington, Ky. Rock crusher. 2,605,051, July 29.
Bogin, Herman, and A. Gold, Bronx, and H. Gold, Flushing, assignors to Gold Bros., Inc., New York, N. Y. Ball-type lipstick applicator. 2,598,493, May 27.
Bogle, R. H., Company, The, assignee: *See*—
Taylor, Jack P.

Bohannan, Robert C., and H. M. Pickard, Columbus, and H. R. Horning, Parma, assignors to The Jaeger Machine Company, Columbus, Ohio. Road paving machine. 2,591,502, Apr. 1.
Bohler, Francis M., Long Beach, Calif. Combination separator and trap. 2,617,492, Nov. 11.
Bohlke, Paul G., Flushing, N. Y., assignor to Sylvania Electric Products Inc. Traveling wave tube. 2,611,102, Sept. 16.
Bohlke, Paul G., Roslyn Heights, and F. C. Breeden, Flushing, N. Y., assignors to Sylvania Electric Products Inc. Electron discharge device of the disk seal type. 2,623,090, Dec. 23.
Bohlman, Walter S., assignor to Hercules Powder Company, Wilmington, Del. Pneumatic vibrator. 2,609,791, Sept. 9.
Bohn, Adolph R.: *See*—
McKee, Max B., and Bohn.
Bohn Aluminum & Brass Corporation, assignee: *See*—
Wade, James O.
Bohn, Donald I., Pittsburgh, Pa., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Radial engine. 2,584,098, Jan. 29.
Bohn, Donald I., Pittsburgh, Pa. Meter integrator and multiplier. 2,605,963, Aug. 5.
Bohn, Donald I., Pittsburgh, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker trip mechanism. 2,616,999, Nov. 4.
Bohnenblust, Martin J., Minneapolis, Kans. Combine and transport dolly therefor. 2,599,366, June 3.
Bohren, Arthur H., Portland, Oreg. Rotary plug wall valve. 2,617,442, Nov. 11.
Bohuslav, Hans A., assignor to Engineering Controls, Inc., Los Angeles, Calif. Low water alarm. 2,612,147, Sept. 30.
Boice-Crane Company, assignee: *See*—
Boice, William B.
Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint wear sleeve. 2,592,854, Apr. 15.
Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Laminated drill collar. 2,594,617, Apr. 29.
Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Fluid actuated motor and gear operated socket wrench. 2,603,997, July 22.
Boice, William B., assignor to Boice-Crane Company, Toledo, Ohio. Fence for jointers. 2,592,384, Apr. 8.
Boice, William B., assignor to Boice-Crane Company, Toledo, Ohio. Guard mounting for jointer cutters. 2,611,402, Sept. 23.
Boisen, John J., Luverne, Minn. Telescoping measuring rule. 2,583,205, Jan. 22.
Boisselier, Earl D.: *See*—
Williamson, Cecil M., and Boisselier.
Boissoneau, Joanne I.: *See*—
Boissoneau, Kermit E., and J. I.
Boissoneau, Kermit E. and J. I., Davenport, Wash. Comb. 2,595,049, Apr. 29.
Boisvert, Edgar T., Wethersfield, Conn. Preserving fresh corn. 2,606,840, Aug. 12.
Boisvert, Ubald, assignee: *See*—
Lamy, Armand.
Boisvieux, Jacques, and J. Chaumeron, assignors to Societe Francaise Sadir-Carpentier, Paris, France. Pulse modulating system. 2,614,247, Oct. 14.
Boivin, Albert J., Rumford, Maine. Towing hitch. 2,581,833, Jan. 8.
Bokser, Lewis, Philadelphia, Pa. Electric eye for automatically operating flushing valves. 2,603,794, July 22.
Bol, Arie, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Electrical resistance. 2,608,633, Aug. 26.
Bola Toys Incorporated, assignee: *See*—
Bowditch, Hoel L.
Boland, Gus L., Modesto, Calif. Reclining air cushion. 2,612,645, Oct. 7.
Boland, Thomas J., Wakefield, Mass., assignor to Raytheon Manufacturing Company. Electronic amplifier circuits. 2,606,316, Aug. 5.
Bolding, Hubert V., Jeffersonville, Ind., assignor to The Bradley & Gilbert Company, Louisville, Ky. Tumbler carrying carton. 2,609,981, Sept. 9.
Bole, George A., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Ceramic process. 2,603,570, July 15.
Bolek, Frank J., Chicago, Ill. Rod lock. 2,585,993, Feb. 19.
Bolen, John H., Jr., assignee: *See*—
Allen, Richard E.
Bolen, Roscoe A., Grand Junction, Colo. Vacuum seed selector and planter. 2,605,017, July 29.
Boley, Leonard W., Brooklyn, N. Y. Inspection apparatus. 2,612,677, Oct. 7.
Bolger, Paul E., Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket liner. 2,598,752, June 3.
Bolger, William B., Cleveland, Ohio. Fluid pressure operated flow control valve. 2,612,186, Sept. 30.
Bolick, Charles L., Hickory, N. C. Refectory table slide. 2,599,808, June 10.
Bolidens Gruvaktiebolag, assignee: *See*—
Kalling, Bo M. S., Sundgren-Wallden, Wallden, and Sivander.
Lundbäck, Sven V., and Sandström.
Boliek, Paul M., Anaheim, Calif. Weighing apparatus. 2,598,494, May 27.
Bolin, Henry J., Elmont, N. Y. Casement window for air conditioners. 2,612,098, Sept. 30.
Boling, Cecil, assignor to The Heat-X-Changer Co., Inc., Brewster, N. Y. Heat exchanger. 2,611,585, Sept. 23.
Boling, Cecil, assignor to The Heat-X-Changer Co., Inc., Brewster, N. Y. Heat exchanger. 2,611,587, Sept. 23.
Bolinger, Edgar D., and R. G. Berner, Stamford, assignors to Deering Milliken Research Trust, Greenwich, Conn. Apparatus for treating yarn. 2,611,172, Sept. 23.
Bollaert, Armand R., Arcadia, and E. L. Neu, Manhattan Beach, Calif., assignors to Great Lakes Carbon Corporation, Chicago, Ill. Lightweight concrete mixture. 2,585,366, Feb. 12.
Bolle, Edward A., Lidingoe, Sweden. Lamp switch actuator for use in conjunction with a telephone apparatus. 2,586,910, Feb. 26.
Boller, Charles R.: *See*—
Eggleston, Ira S., and Boller.
Boller, Ernst: *See*—
Frey, Walter, and Boller.
Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Stove for automatic chokes. 2,618,251, Nov. 18.
Boller, William D., Milford, Ohio, W. D. Berkley, Fort Wayne, Ind., W. Ernst, Dayton, Ohio, and E. W. Landmeier, assignors to The Wadsworth Electric Mfg. Co., Covington, Ky. Electric circuit breaker. 2,618,716, Nov. 18.
Bollerup, Kay E., Virum, Kongens Lyngby, Denmark. Compressor. 2,621,853, Dec. 16.
Bolles, Julius H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Control apparatus for engine starters. 2,602,143, July 1.
Bolles, Julius H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Control apparatus for engine starters. 2,602,144, July 1.
Bollettieri, Patrick J., Pelham, N. Y. Music stand utility case. 2,597,970, May 27.
Bolley, Don S., and R. H. McCormack, Brooklyn, assignors to National Lead Company, New York, N. Y. Mucilaginous materials from flaxseed. 2,593,528, Apr. 22.
Bolling, Carl, assignor to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,606,450, Aug. 12.
Bolling, Jay E., Los Angeles, Calif. Leg construction for furniture. 2,598,105, May 27.
Bolling, Stewart, Cleveland, Ohio. Circular end shield for mixer rotors. 2,592,004, Apr. 8.
Bollinger, George H., Jr., Sidney, Ohio. Insulated metal panel. 2,585,082, Feb. 12.
Bolljahn, John T., Washington, D. C. Electromagnetic radiator. 2,617,031, Nov. 4.
Bollmann, Martin, Krefeld-Uerdingen, and E. Kroning, Krefeld, assignors to Farbenfabriken Bayer, Krefeld-Uerdingen, Germany. Para-tertiary butylcyclohexanyl acetate. 2,582,743, Jan. 15.
Bollo, Francis G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Aircraft power control system. 2,600,612, June 17.
Bolloneria E. Viteria Italiana S. A. R. L. "B. E. V. I.," assignee: *See*—
Chiaberta, Giovanni.
Bolsey, Jacques, New York, N. Y. Interchangeable objective lens supporting means. 2,582,815, Jan. 15.
Bolsey, Jacques, New York, N. Y. Synchronizer arrangement. 2,587,436, Feb. 26.
Bolsey, Jacques, New York, N. Y. Combined camera and projector arrangement. 2,590,497, Mar. 25.
Bolsey, Jacques, New York, N. Y. Tripod. 2,598,753, June 3.
Bolt, John A.: *See*—
Tom, Theodore B., and Bolt.
Bolta Company, The, assignee: *See*—
Casey, James D.
Day, Everett E.
Bolte, Frank B., Los Angeles, Calif. Self-aligning controlled friction bearing. 2,596,202, May 13.
Boltinghouse, Joseph C., Reynoldsburg, Ohio, assignor to Curtiss-Wright Corporation. Antifriction bearing. 2,606,447, Aug. 12.
Bolton, Felix, Sr., assignor of one-half to C. Clayton, Chowchilla, Calif. Feeder for hay baling machines. 2,593,721, Apr. 22.
Bolton, James F., Moss Ironworks, assignor to Ames Crosta Mill's & Company Limited, Heywood, England. Filter bed. 2,588,475, Mar. 11.
Bolton, John W., Hamilton, and S. A. Weigand, assignors to The Lunkenheimer Company, Cincinnati, Ohio. Surfacing metal objects. 2,600,358, June 10.
Bolton, John W., & Sons, Inc., assignee: *See*—
Draper, Ralph L.
Larson, Oscar E.
Prevost, Bruno E.
Stuck, Harold D.
Bolton, Mell A., assignee: *See*—
Huber, William J.
Boltson Company, The, assignee: *See*—
Boltson, Jacob A.

Boltson, Hannah, administratrix, assignee: *See*—
Boltson, Jacob A.

Boltson, Jacob A., deceased, Flushing, N. Y., H. Boltson, administratrix, assignor to H. Boltson, doing business as The Boltson Company. Resonant tank circuit for diathermy apparatus or the like. 2,622,238, Dec. 16.

Boltuch, Leon, Bronx, N. Y. Adjustable support. 2,608,367, Aug. 26.

Bolz, August: *See*—
Resek, Marc, Dahlstrom, and Bolz.

Bombardier, Joseph A., Valcourt, Quebec, Canada. Tractor unit. 2,587,813, Mar. 4.

Bomberger, David C., Plainfield, W. E. Ingerson, North Plainfield, and H. G. Och, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gun computer having target rate integrating means for determining target position. 2,582,474, Jan. 15.

Bomberger, Harry H., Hershey, Pa. Check wire tension measuring apparatus. 2,590,498, Mar. 25.

Bombonato, Gottardo E., Milan, Italy. Darning needle. 2,606,433, Aug. 12.

Bomford, Douglas R.: *See*—
McConnel, Frederic W., and Bomford.

Bomhardt, Warren C., Baltimore, and E. H. Sorg, Hyde, assignors to The Glenn L. Martin Company, Middle River, Md. Fuel tank construction. 2,591,044, Apr. 1.

Bomse, Bernard: *See*—
Bernfeld, Sandor, Bomse, and Scharfspitz.

Bona, George B., assignor to Dictaphone Corporation, Bridgeport, Conn. Apparatus for joining ends of thermoplastic film. 2,582,581, Jan. 15.

Bonacci, Louis N., Pampa, Tex., and A. Z. Hahn, Bound Brook, N. J., assignors to Research Corporation, New York, N. Y. Material collecting apparatus. 2,593,251, Apr. 15.

Bonacor, Laurie J., Detroit, Mich. Fertilizer distributor. 2,606,068, Aug. 5.

Bonadio, George A., Watertown, N. Y. Electronic discharge tube control. 2,612,618, Sept. 30.

Bonafide Mills, Inc., assignee: *See*—
Lurie, Joseph M.
Rowe, William, and Cohen.

Bonameau, Leonard, Brussels, assignor to Societe Anonyme Teco, Liege, Belgium. Apparatus for varying the characteristics of aerosols. 2,620,046, Dec. 2.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Variable tuning device. 2,581,165, Jan. 1.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad dump car. 2,585,731, Feb. 12.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Remote-control system employing a thermal delay switch. 2,595,919, May 6.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy caboose. 2,610,442, Sept. 16.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Two-tone air whistle. 2,615,968, Oct. 28.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Electronic control for toy electric railroads. 2,622,542, Dec. 23.

Bonanno, Joseph L., Madison, and R. E. Beger, Jersey City, N. J., assignors to The Lionel Corporation, New York, N. Y. Electric motor reversing means. 2,581,166, Jan. 1.

Bonar, Bernard E., El Paso, Tex. High water signal. 2,607,835, Aug. 19.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.
Dreyfus, Henry, Rooney and Shaw.

Bonardi, Giusto F.: *See*—
Freedman, Samuel, and Bonardi.

Bonato, James: *See*—
Wunderlich, Albert G., and Bonato.

Bond, Auraldo W., Eggertsville, and C. C. Lewis, Buffalo, N. Y. Preparing stock feed. 2,622,981, Dec. 23.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Regenerating an aqueous alkali metal hydroxide solution. 2,583,136, Jan. 22.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Removal of mercaptans from hydrocarbons. 2,589,663, Mar. 18.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Sealing crevices in oil wells. 2,600,195, June 10.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Oxidizing acidic sulfur compounds of the type which occur in hydrocarbon oil. 2,600,465, June 17.

Bond, Donald C., Northbrook, and G. G. Bernard, assignors to The Pure Oil Company, Chicago, Ill. Sealing composition and temporarily sealing oil wells. 2,607,428, Aug. 19.

Bond, Donald C., Northbrook, and N. B. Russell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Oxidation of acidic sulfur compounds. 2,583,083, Jan. 22.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Studying earth formations employing acetylene as a tracer gas. 2,589,219, Mar. 18.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Sealing composition and temporarily sealing oil wells. 2,607,427, Aug. 19.

Bond, Donald H., Houston, Tex., assignor to The Texas Company, New York, N. Y. Concentric pipe insulator and spacer. Re. 23,545, Sept. 9.

Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Time division multiplex system. 2,616,975, Nov. 4.

Bond, Donald S., Philadelphia, Pa., and L. E. Thomson, Merchantville, N. J., assignors to Radio Corporation of America. Fading compensation radio signaling system. 2,610,292, Sept. 9.

Bond Foundry & Machine Company, assignee: *See*—
Hoffman, Paul R.

Bond, George R., Jr.: *See*—
Bates, John R., and Bond.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Activating clay by roasting with admixed acid salts. 2,582,956, Jan. 22.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Separating olefins from hydrocarbon mixtures. 2,586,777, Feb. 26.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Philadelphia, Pa. Refining gasoline and petroleum oils with aqueous antimony trichloride. 2,588,346, Mar. 11.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Potassium zeolites. 2,617,712, Nov. 11.

Bond, J. T., assignee: *See*—
Ritter, John W.

Bond, John A., and J. L. Wiley, Houston, Tex., assignors to McCullough Tool Company, Los Angeles, Calif. Releasable rope socket with weight indicator. 2,589,599, Mar. 18.

Bond, Robert D., Detroit, and G. J. Hungerford, assignors to Douglas Machine Products Co., Wyandotte, Mich. Hose reel and combined handle and support therefor. 2,610,003, Sept. 9.

Bond, Virgil V., assignor to R. V. Lewis, Portland, Oreg. Handle for frozen products. 2,583,355, Jan. 22.

Bond, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transducing system. 2,602,327, July 8.

Bond, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Composite wave plate for light. 2,607,272, Aug. 19.

Bond, William T., Richmond, Ind. Corn husker. 2,619,967, Dec. 2.

Bondhus, Frances J.: *See*—
Johnson, Herbert L., and Bondhus.

Bondley, Ralph J., Scotia, and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Control means for high-frequency power oscillators. 2,595,756, May 6.

Bondon, Lewis A., Arlington, N. J. Coaxial transmission line spacing assembly. 2,589,328, Mar. 18.

Bondurant, Carlton W.: *See*—
Van Denberg, Thomas F., and Bondurant.

Bone, Arthur G.: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.

Bone, Arnold R., Needham, assignor to Dennison Manufacturing Company, Framingham, Mass. Chip remover for tag notching machines. 2,614,631, Oct. 21.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Centrifugal speed responsive device. 2,606,753, Aug. 12.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway track skate. 2,613,612, Oct. 14.

Bone, Herbert L., Forest Hills, and K. J. J. McGowan, Pittsburgh, Pa., assignors to Westinghouse Air Brake Company. Buffer means. 2,588,798, Mar. 11.

Bone, Herbert L., Forest Hills, and R. A. Woods, Verona, Pa., assignors to Westinghouse Air Brake Company. Railway switch operating apparatus. 2,598,495, May 27.

Bone, Herbert L., and J. W. Logan, Jr., Forest Hills, and W. R. Gracey, Jr., Swissvale, Pa., assignors to Westinghouse Air Brake Company. Driving mechanism. 2,622,451, Dec. 23.

Bone, Herbert L., Forest Hills, K. J. J. McGowan, Pittsburgh, and A. E. Dodd, Edgewood, Pa., assignors to Westinghouse Air Brake Company. Speed responsive apparatus for detecting overspeed. 2,623,163, Dec. 23.

Bone Tool & Gauge Company, assignee: *See*—
Roberts, William C.

Bonell, Frans T. B., and R. Juhlin, Akers Styckerbruk, Sweden. Producing rocket powder. 2,622,277, Dec. 23.

Bongiovanni, Antonio, assignor of fifteen and one-half per cent to A. Stango, fifteen and one-half per cent to A. Oteri, ten per cent to A. Stango, eleven and one-half per cent to J. W. Kephart, Jr., and eleven and one-half per cent to A. E. Kephart, Philadelphia, Pa. Individual neck duster. 2,597,772, May 20.

Bongiovanni, John C., Sewickley, Pa., assignor to The Edwin M. Knowles China Company, Newell, W. Va. Ware piling apparatus. 2,603,363, July 15.

Bongiovanni, John C., Sewickley, Pa., assignor to The Edwin M. Knowles China Company, Newell, W. Va. Apparatus for unpiling pottery ware. 2,620,076, Dec. 2.

Bonilla, Ramón, New York, N. Y. Snow and ice melting device. 2,617,597, Nov. 11.

Bonin, Henri V. A., Paris, France. Nipple and cap construction. 2,613,671, Oct. 14.

Bonin, Paul G., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dry battery. 2,606,942, Aug. 12.

Bonine, Ralph O., Pittsburgh, and S. H. Boden, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-speed reclosing circuit breaker. 2,619,523, Nov. 25.

Bonkemeyer, Amos C.: *See*—
Aitchison, John P., and Bonkemeyer.

Bonkemeyer, Amos C., Arlington, Va. Cartridge link guide. 2,603,130, July 15.

Bonkowski, Teofil L.: *See*—
Solloway, Harry, and Bonkowski.

Bonmartini, Giovanni, Rome, Italy, assignor to "E S T"-Etablissement Sciences Techniques, Vaduz, principality of Liechtenstein. Endless traveler bands, tracks, and the like. 2,621,085, Dec. 9.

Bonneau, Paul, Utica, N. Y. Hair curler. 2,601,428, June 24.

Bonnell, William L., assignor to Trimedge, Incorporated, Youngstown, Ohio. Sink frame and mounting. 2,582,816, Jan. 15.

Bonner, Frank E., Dayton, and H. Nack, Troy, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Fluid packing seal. 2,606,046, Aug. 5.

Bonnesen, Folmer J., Elk Horn, Iowa. Tractor tilt-back seat bracket. 2,604,927, July 29.

Bonnet, André: *See*—
Drisch, Nicolas, and Bonnet.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Device for restoring trueness of rotary shafts. 2,602,308, July 8.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Static apparatus for parallax stereogram photography. 2,602,385, July 8.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Apparatus for relief and movement photography. 2,622,472, Dec. 23.

Bönninghaus, Rolf: *See*—
Schröeder, Werner, and Bönninghaus.

Bonnington, Alexander, Huntington, W. Va. Conversion of metal sulfides. 2,586,606, Feb. 19.

Bonotto, Michele, Princeton, N. J. Process and apparatus for soaking, filtering, and settling of miscella through solid oil-bearing materials and solvent extraction thereof. 2,582,675, Jan. 15.

Bonotto, Michele, Princeton, N. J. Prepared cotton seed material for solvent-extraction and processes for preparation and solvent-extraction of cotton seed materials. 2,594,117, Apr. 22.

Bonotto, Michele, Princeton, N. J. Utilizing prepared oil-bearing material as a filtering agent in solvent extraction by continuous countercurrent flow. 2,608,565, Aug. 26.

Bonotto, Michele, Princeton, N. J. Countercurrent extraction process and apparatus. 2,614,911, Oct. 21.

Bonsch, François R., Paris, France, assignor to Block & Anderson Limited, London, England. Moistener for hectographic duplicating machines. 2,599,224, June 3.

Bonsignore, Julio J.: *See*—
Platero, Armando B., Pardo, and Bonsignore.

Bonte, Frederick R., Canton, Ohio. Antifriction bearing. 2,595,121, Apr. 29.

Bontemps, Marcel, assignor to Societe a Responsabilite Limitee dite: Etablissements Gendron Freres, Villeurbanne, France. Gauge controlled grinding wheel feed mechanism. 2,603,043, July 15.

Bonvillian, Claude A., Chattanooga, Tenn., R. C. Brierly, Narberth, Pa., and S. Letvin, Elmhurst, N. Y. Apparatus for the production and distribution of smoke, fog, vapor clouds. 2,581,353, Jan. 8.

Bonvillian, Claude A., United States Navy, R. C. Brierly, Narberth, Pa., and S. Letvin, Elmhurst, Queens, N. Y. Apparatus for the combustion of combustible and vaporizable substances. 2,601,242, June 24.

Bonzagni, Francis A., Winthrop, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Reaction products of etherified aminotriazinealdehyde with alkali metal salts of sulfurous acid. 2,603,623, July 15.

Boodakian, Barkere, New York, N. Y. Mounting means for bolt-actuated switches. 2,588,080, Mar. 4.

Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrolytic condenser. 2,616,953, Nov. 4.

Book, Frederick R., Jr., Waterville, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,609,922, Sept. 9.

Booker, Henry G.: *See*—
Smith, Charles H., Booker, and Woodward.

Booker, John D., W. M. Harp and E. F. Wadley, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Purifying cuprous ammonium acetate solvent. 2,604,485, July 22.

Bookhultz, Donald H.: *See*—
Zweifel, George E., and Bookhultz.

Bookhultz, Donald H., and G. E. Zweifel, assignors to George E. Zweifel & Company, Portland, Oreg. Hydraulic resaw setwork. 2,584,837, Feb. 5.

Boon, Simon D.: *See*—
Bienfait, Henri, and Boon.

Boone, Thetford B., Dallas, Tex. Carrying device. 2,604,210, July 22.

Boonton Molding Company, assignee: *See*—
Sayre, Gordon B.
Sayre, Gordon B., and Winz.

Boonton Radio Corporation, assignee: *See*—
Loughlin, William D., and Hill.

Boos, Wilfred J., Clayton, assignor to Acu-Rule Manufacturing Company, St. Louis, Mo. Slide rule. 2,594,857, Apr. 29.

Boosey, Edward W. N., deceased, Detroit, Mich.; O. N. Boosey, executrix of said E. W. N. Boosey. Hydrant. 2,598,968, June 3.

Boosey, Olive, N., executrix: *See*—
Boosey, Edward W. N.

Boosman, Herman B. R., and P. Zijlstra, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Telegraph transmitter with amplitude-modulation. 2,611,078, Sept. 16.

Booth, Byron C., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Sound recording and reproducing apparatus. 2,583,462, Jan. 22.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Leg for an article of furniture or the like. 2,587,283, Feb. 26.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Peripherally reinforced sheet metal table top construction. 2,596,465, May 13.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Folding chair. 2,608,240, Aug. 26.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Automobile body heater. 2,620,720, Dec. 9.

Booth, Ernest, executor: *See*—
Hewitt, Donald H., and Armitage.
Wakeford, Leslie E., and Hewitt.

Booth, Eugene T., Jr., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Thermal flowmeter. 2,594,618, Apr. 29.

Booth, George E., Long Beach, Calif. Galvanic battery. 2,593,252, Apr. 15.

Booth, George M., Westfield, and A. H. Patch, Glen Ridge, assignors to Novadel-Agene Corporation, Belleville, N. J. Method and apparatus for beverage cooling and dispensing. 2,618,938, Nov. 25.

Booth, George P., Dobbs Ferry, N. Y., and L. M. Smith, North Bergen, N. J., assignors to Interborough News Company, New York, N. Y. Coin handling means for coin controlled vending machines. 2,614,675, Oct. 21.

Booth, George W., assignee: *See*—
Rose, Edward W.

Booth, Harry T., assignor to United Aircraft Products, Inc., Dayton, Ohio. Heat exchange device. 2,591,774, Apr. 8.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc. Fuel injection system. 2,598,754, June 3.

Booth, James H., Venice, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,593,253, Apr. 15.

Booth, James H., Venice Township, Shiawassee County, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Lock joint for tie rod and end assemblies. 2,596,885, May 13.

Booth, James H., Venice, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,614,873, Oct. 21.

Booth, James H., Venice Township, Shiawassee County, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Brake mounting for independent wheel suspension. 2,623,613, Dec. 30.

Booth, James H., Corunna, and B. E. Ricks, Ferndale, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Individual wheel suspension, including caster and camber adjusting means. 2,605,118, July 29.

Booth, John G., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Manual transfer between automatic and manual regulating controllers. 2,588,799, Mar. 11.

Booth, Leon, New York, N. Y. Cork packing machine and the like. 2,589,038, Mar. 11.

Booth, Leon, assignor to Beacon Machine Works, New York, N. Y. Rod disk cutting machine. 2,617,454, Nov. 11.

Booth, Morris F., Alden, Mich. Sighting-in support for firearms. 2,589,039, Mar. 11.

Booth, Raymond L., Milford, assignor to Draper Corporation, Hopedale, Mass. Warp beam coupling. 2,609,005, Sept. 2.

Booth, Robert B.: *See*—
Allen, Charles F., and Booth.

Booth, Robert B., Stamford, and C. L. Morris, Jr., Noroton Heights, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of sulfide minerals with di-alkyl thiophosphoryl chlorides. 2,621,789, Dec. 16.

Boothby, Clinton R., Toledo, Ohio. Windshield wiper arm and blade connection. 2,620,503, Dec. 9.

Boothby, Lawrence W., Alexandria, Va. Frequency distinguishing device. 2,598,671, June 3.

Boothe, Guy L.: *See*—
Swisher, Max B., and Boothe.

Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. 6 and 7-bromomethyl pteridines and preparing same. 2,584,538, Feb. 5.

Boothroyd, Wilson P.: *See*—
Creamer, Edgar M., Jr., and Boothroyd.

Boothroyd, Wilson P., assignor to Philco Corporation, Philadelphia, Pa. Pulse generator. 2,616,047, Oct. 28.

Boothroyd, Wilson P., and H. F. Hartley, Jr., assignors to Philco Corporation, Philadelphia, Pa. Directional antenna system. 2,588,610, Mar. 11.

Boots Pure Drug Company Limited, assignee: *See*—
Wyles, Edwin C. H.

Bopp, Cecil W.: *See*—
Jirsa, Emil F., Hansen, and Bopp.

Bopp, Edward O.: *See*—
Bopp, Frederick W. and E. O.
Kolterman, Lee W.

Bopp, Frederick W., assignee: *See*—
Kolterman, Lee W.

Bopp, Frederick W. and E. O., Kansas City, Mo., Vertical Venetian blind. 2,591,775, Apr. 8.

Bopp, Frederick W. and E. O., Kansas City, Mo. Window shutter. 2,604,161, July 22.

Borberg, Willy: *See*—
Heidegger, Henry, and Borberg.

Borberg, Willy, Astoria, N. Y., assignor to International Projector Corporation, Bloomfield, N. J. Viewing telescope for image projectors. 2,588,201, Mar. 4.

Borberg, Willy, Astoria, N. Y., assignor to International Projector Corporation, Bloomfield, N. J. Motion-picture projector with framing indicator. 2,607,261, Aug. 19.

Borchard, Charles G., Detroit, Mich. Device for ornamentally shaping cloth. 2,586,778, Feb. 26.

Borchardt, Philipp, Munich-Solln, assignor to Gesellschaft fuer Linde's Eismachinen A.-G., Hoellriegelskreuth, near Munich, Germany. Process of and apparatus for the purification of air. 2,603,956, July 22.

Borchardt, William J., Los Angeles, Calif., assignor to Thompson Products, Inc., Cleveland, Ohio. Seal assembly. 2,605,994, Aug. 5.

Borcherding, Walter H., San Francisco, Calif., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalyst stripping of fouled catalysts employed in hydrocarbon conversion processes. 2,589,984, Mar. 18.

Borchers, Anton J.: *See*—
Cofer, Thomas N., and Borchers.

Borchers, Earl M., and A. W. Ahlgren, assignors to American Cabinet Hardware Corporation, Rockford, Ill. Over-center hinge. 2,623,236, Dec. 30.

Borck, Alfred G.: *See*—
Zachariassen, Stig H., Bjarne, and Borck.

Borck, Alfred G., Tullinge, assignor to Aktiebolaget Separator, Stockholm, Sweden. Homogenizing device. 2,612,356, Sept. 30.

Borck, Alfred G., Tullinge, Germany, and C. Grönning, assignors to Aktiebolaget Separator, Stockholm, Sweden. Apparatus for homogenizing. 2,583,206, Jan. 22.

Borck, Charles C.: *See*—
Sachs, Hans W., and Borck.

Borcz, John: *See*—
Carlson, Bert G., and Borcz.

Borda, Laddy F., Akron, and S. W. Bile, Barberton, Ohio. Method and apparatus for tire or like repair vulcanizing. 2,597,611, May 20.

Borda, Laddy F., Akron, and S. W. Bile, Barberton, Ohio. Apparatus for vulcanizing a repair area of a pneumatic tire. 2,609,477, Sept. 2.

Bordé, Harry J., Santa Monica, and H. O. Fuchs, assignors to Preco Incorporated, Los Angeles, Calif. Overhead fan. 2,619,020, Nov. 25.

Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Magnetic and manually operated electric switch. 2,591,336, Apr. 1.

Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Automatic propeller feathering system. 2,605,849, Aug. 5.

Borden Company, The, assignee: *See*—.
Bilhovde, Norman.
Block, Richard J.
Clark, Laurence E., Jr.
Kropa, Edward L.
Miollis, Raymond.
Novotny, Emil E., and Vogelsang.
Sevall, Herbert E., and Schaeffer.
Sommer, Walter L., Leeder, and Collins.
Spahr, Raymond J.
Vogelsang, George K.

Borden, David M., Huntington Woods, and P. T. Nims, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Combustion control apparatus. 2,592,385, Apr. 8.

Borden, George C., Jr.: *See*—
Fisher, Jacob I., and Borden.

Borden, Joseph H., assignor to Haughton Elevator Company, Toledo, Ohio. Inductor leveling switch. 2,598,214, May 27.

Borden, Joseph H., assignor to Haughton Elevator Company, Toledo, Ohio. Track for sliding doors. 2,611,920, Sept. 30.

Bordenca, Carl, Homewood, assignor to Sloss-Sheffield Steel & Iron Company, Birmingham, Ala. Conversion of aromatic hydrocarbons to aldehydes and alcohols. 2,619,506, Nov. 25.

Bordenca, Carl, and W. A. Lazier, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation. Reaction of limonene with carbon monoxide and hydrogen. 2,584,539, Feb. 5.

Border, Lawson E.: *See*—
Trainer, Richard P., and Border.

Border, Lawson E., Westwood, N. J., and R. P. Trainer, Amityville, N. Y., assignors to Shell Development Company, San Francisco, Calif. Apparatus for regenerating a fluidized catalyst. 2,604,384, July 22.

Borders, Alvin M., White Bear Lake, Minn., assignor to Wingfoot Corporation, Akron, Ohio. Base coated with a high styrene-butadiene copolymer. 2,611,719, Sept. 23.

Bordewieck, Robert W., Natick, assignor, by mesne assignments, to Moore Electronic Laboratories, Inc., Worcester, Mass. Sealed lens phototube. 2,587,589, Mar. 4.

Bordewieck, Robert W., Southboro, J. O. Roebuck, and N. M. Sleeper, assignors to Moore Electronic Laboratories, Incorporated, Worcester, Mass. Cathode follower photoelectric amplifier circuit. 2,582,676, Jan. 15.

Bordewieck, Robert W., Southboro, J. O. Roebuck, and N. M. Sleeper, assignors to Moore Electronic Laboratories, Incorporated, Worcester, Mass. Cathode follower photoelectric direct current amplifier circuit. 2,614,227, Oct. 14.

Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilization of adiponitrile. 2,581,354, Jan. 8.

Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of pyrroles. 2,600,289, June 10.

Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of olefinic compounds. 2,615,925, Oct. 28.

Bordwell, Frederick G.: *See*—
McKellin, Wilbur H., and Bordwell.

Bordwell, Lavern, assignor to United Royalties Corporation, New York, N. Y. Beater. 2,614,818, Oct. 21.

Borel, Pierre C.: *See*—
Bessonnet, Auguste J., and Borel.

Borel, Pierre C., Boulogne, J. R. A. F. Escande, and M. R. Mauge, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Distributing system for telephone calls. 2,617,889, Nov. 11.

Boren, John A.: *See*—
Hoover, Orville C., and Boren.

Borg, Arthur N., Kavlinge, assignor to Aktiebolaget Arno, Lomma, Sweden. Staking wheel. 2,603,079, July 15.

Borg, George W., Corporation, The, assignee: *See*—
Booth, Byron C.
Gibbs, Thomas B., Dinerstein, and Gilman.
Grether, Lester M., Turner, and Schweigler.
Laing, Gordon F.

Borg, Gustave A., Watertown, Conn., assignor to Turbo-Ray, Inc., New Rochelle, N. Y. Heat exchange unit. 2,621,900, Dec. 16.

Borg-Warner Corporation, assignee: *See*—
Anderson, Edmund B.
Burtnett, Everett R.
Carlson, Raymond A.
Carnagua, Harold E.
Condon, Francis H.
Crutchley, Frederick.
Flinn, George E.
Flint, Kendall H.
Hannum, John A.
Hannum, John A., and Frumin.
Hardy, Clarence M., and Biddle.
Harris, Cleo.
Hubacker, Earl F.
Hubacker, Earl F., and Fleck.
Ingersoll, Roy C.
Kanuch, John A.
Kelbel, Donald W.
Kilpela, Ano E.
Laramy, Richard C.
Lauck, John A.
Mohns, Leslie F.
Nutt, Harold.
Nutt, Harold, and Reed.
Orr, Palmer.
Orr, Palmer, and Flinn.
Polomski, John B., and Kaos.
Reed, Harold V.
Rockwell, Edward A.
Simpson, John M., and Kelbel.
Smirl, Richard L.
Swennes, Benjamin A.
Swift, Clifford L.
Tann, Fred A.
Tharpe, Rollin B., and McAninch.
Turner, Harold H.
Valltes, Edward.
Warner, Archibald A.
Warrick, Leland K., and La Flame.
Youngren, Harold T., and Hettinger.
Zeidler, Reinhold C.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Compressor cylinder head assembly. 2,613,870, Oct. 14.

Borgerd, William F., and J. Calling, Evansville, Ind., assignors to International Harvester Company. Condensate disposal means. 2,613,514, Oct. 14.

Borgini, Maria M., administratrix: *See*—
Matera, Emanuele, and Caretta.

Borglin, E. O., Company, assignee: *See*—
Borglin, Ernest O., and MacKenzie.

Borglin, Ernest O., Detroit, and H. D. MacKenzie, Grosse Pointe, assignors to E. O. Borglin Company, Hazel Park, Mich. Picture frame. 2,613,467, Oct. 14.

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Rosin amine algaecides. 2,593,529, Apr. 22.

Borglin, Joseph N., Wilmington, Del., and P. A. Ray, Denver, Colo., assignors to Hercules Powder Company, Wilmington, Del. Hydrorosin acid salts in the emulsion polymerization of styrenes. 2,596,886, May 13.

Boring, Kenneth L.: *See*—
Bischoff, Alfred F., and Boring.

Borkenhagen, Raymond H.: *See*—
Fencil, Louise K., Cavanaugh, and Borkenhagen.

Borkland, Gustave W., Marion, Ind. Apparatus for heating and pressing thermoplastic sheet material. 2,580,883, Jan. 1.

Borkland, Gustave W., Marion, Ind., assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for making a fibrous preform. 2,587,814, Mar. 4.

Borkland, Gustave W., Marion, Ind., assignor to Owens-Corning Fiberglas Corporation. Manufacture of molded articles. 2,613,397, Oct. 14.

Borkmann, Frank F.: *See*—
Brager, Leif N., and Borkmann.

Borkoski, Leon P., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner dust bag. 2,596,806, May 13.

Borkowski, Casimer J., and E. Fairstein, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Proportional counter. 2,590,925, Apr. 1.

Borkowski, Casimer J., and R. H. Firminhac, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,598,215, May 27.

Borland, Eileen E., Cambridge, G. A. Hobart III, C. Z. Nawrocki, Boston, and H. V. Neher, Arlington, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Making grid assemblies. 2,610,387, Sept. 16.

Borland, James H., Smithfield, R. I. Can end cutting device. 2,622,316, Dec. 23.

Borland, James N., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler lock lifter toggle link. 2,609,941, Sept. 9.

Borman, Philip K., Chicago, and T. H. Swisher, Elmhurst, assignors to Hotpoint Inc., Chicago, Ill. Self-closing cabinet hinge. 2,611,922, Sept. 30.

Born, Ellis H., Bexley, assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,608,159, Aug. 26.

Born, Ellis H., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,619,041, Nov. 25.

Born, Paul L., Wilmette, Ill. Shutoff valve. 2,581,071, Jan. 1.

Born, Paul L., Wilmette, Ill. Liquid level gauge. 2,613,535, Oct. 14.

Born, Paul L., Wilmette, Ill. High and low pressure shut off valve with manual reset. 2,620,820, Dec. 9.

Born, Samuel H., Bethlehem, Pa. Container with individual inscription. 2,593,966, Apr. 22.

Borneman, George, assignor to L. G. Nester Company, Incorporated, Millville, N. J. Stopcock retaining device. 2,589,985, Mar. 18.

Bornemann, William: *See*—
Tuttle, Fordyce E., and Bornemann.

Bornemann, William, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic photographic camera. 2,588,954, Mar. 11.

Bornemann, William, and N. R. Newman, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic photographic camera. Re. 23,606, Dec. 30.

Bornemann, William, and D. J. Albert, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic print making machine. 2,582,001, Jan. 8.

Borngraeber, Royce R.: *See*—
Hyland, William A., and Borngraeber.

Borngraeber, Royce R., assignor to John Deere Van Brunt Company, Horicon, Wis. Cover stop rod. 2,580,650, Jan. 1.

Borngraeber, Royce R., assignor to John Deere Van Brunt Company, Horicon, Wis. Gearing for grain drills. 2,585,218, Feb. 12.

Bornholdt, Charles C., Rochester, Minn. File holder for saw filing machines. 2,587,102, Feb. 26.

Bornzin, James H., Memphis, Tenn., assignor to International Harvester Company. Two-way safety release for needle drive for balers. 2,593,653, Apr. 22.

Boroughs, Frank S., New York, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Tacker. 2,617,096, Nov. 11.

Boroughs, Frank S., New York, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Plier type stapler. 2,619,637, Dec. 2.

Borovec, Joseph, Berwyn, Ill. Safety control device for elevators. 2,589,329, Mar. 18.

Borowick, Emma G., New York, N. Y. Skirt and blouse connector. 2,615,171, Oct. 28.

Borowy, William W.: *See*—
Chapman, Romaine C., and Borowy.

Borroughs, Joseph, assignee: *See*—
Hughes, Samuel.

Borrow, Edgar W., Cowplain, Portsmouth, England. Grass and other agricultural green crop drying plant. 2,597,441, May 20.

Borrow, Edgar W., Cowplain, Portsmouth, England. Grass and other agricultural green crop drying plant. 2,597,442, May 20.

Borrows, Edward T., London, assignor to Glaxo Laboratories Limited, Greenford, England. Diphenyl ethers and preparing same. 2,591,776, Apr. 8.

Borrows, Edward T., Kenton, and J. C. Clayton, Southall, assignors to Glaxo Laboratories Limited, Greenford, England. 2:6-dihalogenodiphenylethers and preparing same. 2,600,835, June 17.

Borst, Robert O.: *See*—
English, Mark A., and Borst.

Borstelmann, Joseph L., and F. Fordemwalt, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Oil-in-water emulsion for vat color printing. 2,597,281, May 20.

Borsum, Adolph W., United States Navy, and W. W. Brockway, Los Angeles, Calif. Communication system. 2,582,957, Jan. 22.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Tertiary alkylcyanamides. 2,606,923, Aug. 12.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of tertiary-alkyl isocyanates. 2,611,782, Sept. 23.

Bortolotti, Louis: *See*—
Tenerowicz, Frank A., and Bortolotti.

Borton, George W., Philadelphia, and S. D. Hartshorn, Wayne, assignors to Pennsylvania Crusher Company, Philadelphia, Pa. Apparatus for reduction of frangible material. 2,600,964, June 17.

Boruff, Clair S., and L. Stone, Peoria, Ill., J. C. Bauernfeind, Nutley, N. J., and J. C. Garey, State College, Pa., assignors to Hiram Walker & Sons Inc., Peoria, Ill. Recovery of feed products from stillage by refermentation. 2,595,827, May 6.

Borzage, William, Los Angeles, Calif. Accordion with reedless wind instruments. 2,599,088, June 3.

Borzin, John J.: *See*—
Dailey, Hampton J., and Borzin.

Bosa, Louis, Orinda, assignor to Hom-Ade Inc., Oakland, Calif. Doughnut forming gun. 2,604,858, July 29.

Bosch, Alexander, and G. J. Noltes, Amsterdam, Netherlands. Machine for piercing eggs and for emptying same by means of a current of air. 2,594,619, Apr. 29.

Bosch, Carl, Arlington, assignor to Chatham Electronics Corporation, Newark, N. J. Pressuretight transmission. 2,607,233, Aug. 19.

Bosch, Carl, Arlington, assignor to Chatham Electronics Corporation, Newark, N. J. Instrument pivot. 2,617,692, Nov. 11.

Bosch, Carl, Westfield, N. J., and M. H. Shamos, New York, N. Y., assignors to Chatham Electronics Corporation, Newark, N. J. Electrostatic voltage multiplier. 2,610,994, Sept. 16.

Bosch, Robert, G. m. b. H., assignee: *See*—
Callsen, Albert, and Grözinger.
Grözinger, Alfred.
Hurst, Max.
Paule, Willy, and Knapp.
Schweizer, Alfred.
Voit, Willy, and Aldinger.
Volk, Karl, Holzbaur, and Klemm.
Weber, Johannes.

Boseley, William, and W. Kilmister, Wembley, England. Shoe press. 2,597,612, May 20.

Bosk, John P., Los Angeles, Calif. Collapsible child's carrier and seat. 2,587,688, Mar. 4.

Bosma, Alfred S., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Outboard motor crankcase and oil reservoir construction. 2,607,332, Aug. 19.

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of cellular rubber. 2,604,666, July 29.

Bosomworth, George P., and F. H. Mason, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Electronic curing of sponge rubber. 2,604,665, July 29.

Bosquet, John, New York, N. Y. Line ruling attachment for typewriters. 2,581,167, Jan. 1.

Bosquet, John F., New York, N. Y. Line-making device. 2,582,412, Jan. 15.

Bossard, Werner, Riehen, near Basel, and O. Bitterlin, assignors to J. R. Geigy A. G., Basel, Switzerland. Tetrakisazo dyestuffs. 2,603,631, July 15.

Bossart, Adolf, assignor to O. Frischknecht, St. Gallen, Switzerland. Closing device for paper bags. 2,596,923, May 13.

Bosscher, Hendrik A.: *See*—
Horowitz, Alexandre, and Bosscher.

Bosshard, Alexander: *See*—
Schnell, August, and Bosshard.

Bosshard, John J., assignor to Brasco Manufacturing Company, Harvey, Ill. Store front pane fastener. 2,589,986, Mar. 18.

Bosshard, Werner: *See*—
Hartmann, Max, and Bosshard.

Bossmeyer, Charles L., Rockford, Ill., assignor to Dictaphone Corporation, Bridgeport, Conn. Backspacing mechanism. 2,613,938, Oct. 14.

Bostick, Winston H., West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High-voltage choked filament feed. 2,599,890, June 10.

Bostock, Edward C., Bryn Athyn, Pa., assignor to The Pitcairn Company, Wilmington, Del. Lubricated plug valve. 2,593,967, Apr. 22.

Boston, Benjamin P., Pine Wood, S. C. Measuring instrument and marker combined. 2,583,679, Jan. 29.

Boston Herald-Traveler Corporation, assignee: *See*—
Tranter, Reginald F. W.

Boston Machine Works Company, assignee: *See*—
Osgood, Walter P.

Boston Woven Hose and Rubber Company, assignee: *See*—
Apel, George E., and Collins.
Johnson, George P.
Knowland, Thomas M., and Marcy.

Bostwick, Burdette E., assignee: *See*—
Whipple, Jack V. H., and Topa.

Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Apparatus for applying squeegee strips to tire fabrics. 2,605,196, July 29.

Bostwick, Lee G., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibratory reed-controlled oscillator. 2,583,542, Jan. 29.

Boswau, Hans P., Dundee, Ill. Electromagnetic counting device. 2,622,143, Dec. 16.

Boswell, Albert A., assignor of one-half to M. J. Boswell, Visalia, Calif. Feed device for fruit peelers. 2,605,798, Aug. 5.

Boswell, May J., assignee: *See*—
Boswell, Albert A.

Botany Mills, Inc., assignee: *See*—
Koerner, Ernst C., Ehrhardt, Haigh, and Kirchhof.
Vaterrodt, Peter, and McNellis.

Both, Edward T., Cremorne, assignor to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia. Telegraphic facsimile recorder. 2,590,294, Mar. 25.

Bothe, Werner H., Kenosha, assignor to Worldsbest Industries, Inc., Cudahy, Wis. Leveling bridge. 2,593,722, Apr. 22.

Bothe, Werner H., Kenosha, and H. J. Miller, assignors to Worldsbest Industries, Inc., Cudahy, Wis. Leveling bridge. 2,593,723, Apr. 22.

Botimer, Lloyd, Vassar, Mich. Beet harvester. 2,619,785, Dec. 2.

Botsford, Nelson, Rutherford, A. P. Boysen, Jr., Summit, A. J. Aikens, Boonton, E. Dietze, Gillette, W. D. Goodale, Jr., Convent Station, and A. H. Inglis, Upper Montclair, N. J., assigners to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation circuit with automatic compensation for length of line. 2,620,402, Dec. 2.

Bott, Francis J., Ogden, Utah, assignor to Berlin Chapman Company, Berlin, Wis. Apparatus for loading and unloading articles from retorts. 2,622,747, Dec. 23.

Bott, Wister P., Monroe, assignor to P. E. Dozier, Shreveport, La. Upholstery fastening means for furniture. 2,612,213, Sept. 30.

Bottemanne, Casper J., Voorburg, Netherlands, assignor to Dorus van Pel, Soerabaya, Indonesia. Trawlnet. 2,608,782, Sept. 2.

Bottolfsen, Judith, Narberth, Pa. Protective garment. 2,616,085, Nov. 4.

Bottom, Charles R., Kansas City, Mo. Dual fuel jet for dual fuel burners. 2,582,582, Jan. 15.

Bottom, John R., St. Louis, Mo. Metal awning. 2,619,691, Dec. 2.

Bottom, Verle R., Delaware, Okla. Frangible container for explosives. 2,586,911, Feb. 26.

Bottomley, Frank: *See*—
Stevens, Justus B., and Bottomley.

Bottoms, Robert R., Crestwood, Ky., assignor to National Cylinder Gas Company, Chicago, Ill. Combustion catalyst compositions. 2,591,503, Apr. 1.

Bottorff, Albert H., St. Joseph, Mo. Gear power take-off drive for hammer mills. 2,590,675, Mar. 25.

Botts, John C., and H. M. Philofsky, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing consolidated insulation on high-voltage coils. 2,601,243, June 24.

Botts, Robert E., Madison, Wis., assignor to Oscar Mayer & Co., Inc., Chicago, Ill. Hog carcass grade calculator. 2,591,504, Apr. 1.

Bottum, Edward W., Detroit, Mich. Dehydrator structure. 2,595,445, May 6.

Bottum, Edward W., Detroit, Mich. Refrigeration dehydrator. 2,623,607, Dec. 30.

Botvin, Irving E., and T. Torman, Providence, R. I. Colostomy pouch. 2,584,540, Feb. 5.

Bouchard, François P., Timmins, Ontario, Canada. Drill remover. 2,596,809, May 13.

Bouchard, Gaston R., Saint-Germain-en-Laye, France. Mechanical relay. 2,597,773, May 20.

Boucher, Cormack E., Seattle, Wash. Conduit tractor. 2,604,521, July 22.

Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Gravity meter. 2,610,507, Sept. 16.

Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Gravity and density gradiometer for boreholes. 2,618,156, Nov. 18.

Boucher, Frank G., and A. B. Hildebrandt, Tulsa, Okla., assignors to Standard Oil Development Company. Remote reading compass unit. 2,609,513, Sept. 2.

Boucher, Luther, Healdsburg, Calif. Clip for attaching fishermen's spinners. 2,618,830, Nov. 25.

Boucher, Percival L., Kilmarnock, Scotland, and N. A. F. Rowntree, Hartford, near Northwich, England, assignors to Glenfield & Kennedy Limited, Kilmarnock, Ayrshire, Scotland. Filtrability recorder. 2,599,742, June 10.

Boudreau, Philip N., Lake Megantic, Quebec, Canada. Hairpin receptacle. 2,613,859, Oct. 14.

Boughman, Guy A., assignor to Boughman Machine Company, Lenoir, N. C. Agitating means for wood waste hoppers. 2,616,592, Nov. 4.

Boughman Machine Company, assignee: *See*—
Boughman, Guy A.

Boughton, James K., assignor to Wingfoot Corporation, Akron, Ohio. Method and apparatus for building tires. 2,605,195, July 29.

Boughton, Olin W., Victor, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Mount for telescope gun sights. 2,620,565, Dec. 9.

Boughton, Olin W., Victor, and R. S. Filsinger, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Demountable gun sight. 2,602,230, July 8.

Bouix, Maurice G., Paris, France. Dielectric antenna array. 2,624,002, Dec. 30.

Boulet, Georges, Toulouse, France. Hot pressurized gas producing means. 2,623,355, Dec. 30.

Boulet, René, Paris, France. Toy compressed-air pistol. 2,583,463, Jan. 22.

Boulicault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,601,244, June 24.

Bouligny, R. H., assignee: *See*—
Rowe, Oliver R., and Stolp.

Bouligny, R. H., Inc., assignee: *See*—
Rowe, Oliver R., Schoeneck, and Stolp.

Boulton, Harold S., Evanston, Ill., assignor to Master Vibrator Company, Dayton, Ohio. Troweling machine. 2,605,683, Aug. 5.

Boulton, Thomas J. H., Shirley, near Birmingham, England. Cutting or marking similar articles. 2,616,104, Nov. 4.

Boulware, Lyle F., assignee: *See*—
Simon, Edward F.

Bouma, Wikke, Glendale, Calif. Toy motion-picture projector. 2,605,674, Aug. 5.

Boundy, James R.: *See*—
Marchment, William T., Boundy, and Bergen.

Bourdon, Pierre M., Paris, assignor to Manufacture de Cnoutchouc Michelin (Pulseux, Boulanger & Cie), Clermont-Ferrand (Puy-de-Dome), France. Metallic reinforcing cord for pneumatic tires. 2,598,033, May 27.

Bourgeaux, Maurice M. E., assignor to Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Vibratory cleansing of objects. 2,616,820, Nov. 4.

Bourgeois, Valrie E., Baton Rouge, La., assignor to Standard Oil Development Company. Packing gland. 2,584,252, Feb. 5.

Bourget, Louis R., Sacramento, Calif. Phase inverter amplifier. 2,618,711, Nov. 18.

Bourland, Frances, Grand Prairie, Tex. Device for straightening and curling hair. 2,612,897, Oct. 7.

Bourn, Leslie E. A., Ashford, England. Electrical musical instrument. 2,607,255, Aug. 19.

Bourne, Clayton L., Montreal, Quebec, Canada. Resilient clamp for tire chain mountings. 2,616,318, Nov. 4.

Bourne, Harry K.: *See*—
Ruff, Harold R., and Bourne.

Bourne, William G., Acton, London, assignor to Rotax Limited, London, England. Combined magnetic and manual switch. 2,611,843, Sept. 23.

Bourne, William G., Acton, London, assignor to Rotax Limited, London, England. Electromagnetically operable switch. 2,611,844, Sept. 23.

Bourner, F. H., & Company (Engineers) Limited, assignee: *See*—
Bourner, Francis H.

Bourner, Francis H., assignor of one-half to F. H. Bourner & Company (Engineers) Limited, London, England. Sprinkler tap. 2,623,789, Dec. 30.

Bourquin, Edgar, Los Angeles, Calif. Front setting means for clocks. 2,607,188, Aug. 19.

Bourret, Georges: *See*—
Fouron, Pierre, and Bourret.

Bouschor, Harvey H., Detroit, Mich. Hack saw. 2,612,196, Sept. 30.

Boushey, Homer A., Washington, D. C. Picture display apparatus with duration of display controlled by the picture carrier. 2,618,197, Nov. 18.

Bousky, Samuel, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America. Ceramic dielectric materials and making. 2,584,324, Feb. 5.

Bousky, Samuel, Shaker Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Rotary pump valve construction for compressors. 2,598,216, May 27.

Bousman, Henry W., Scotia, N. Y., assignor to General Electric Company. Voltage regulation for electrostatic generators. 2,588,081, Mar. 4.

Bousman, Henry W., Scotia, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Thermal neutron detector element. 2,599,156, June 3.

Bousseau, Pierre, Thourotte, and R. Touvay, Paris, France, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for feeding glass ribbon. 2,623,335, Dec. 30.

Boutelle, Allen O., Jefferson, and R. C. Kuder, assignors to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Channeled-tube light fixture with housed yieldable socket means. 2,597,060, May 20.

Boutelle, Richard S., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Jet augmentation arrangement. 2,601,963, July 1.

Bouteloup, Michel R., Neuilly sur Seine, France. Trouser waistband construction. 2,583,992, Jan. 29.

Boutros, Richard D., Brighton, assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Mixing equipment. 2,612,391, Sept. 30.

Boutte, Julius H., Odessa, Tex. Tool handle grip. 2,603,999, July 22.

Bouvat-Martin, Jean, assignor to Societe-Anonyme dite: Societe Generale Isothermos, Paris, France. Mechanical lubrication of axle boxes. 2,593,654, Apr. 22.

Bouvier, Harold K.: *See*—
Jensen, Hubert M., and Bouvier.

Bouvy, Christian H., Milwaukee, assignor to Le Roi Company, West Allis, Wis. Cooling system for V-engines. 2,585,083, Feb. 12.

Bouwers, Albert: *See*—
Rinia, Herre, van Alphen, van Weenen, Leblans, and Bouwers.

Bouwers, Albert, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Microscope with reflecting objective. 2,593,724, Apr. 22.

Bouzitat, Jean, Paris, and P. Perilhou, Clamart, assignors to Office National d'Etudes et de Recherches Aeronautiques, Paris, France. Method and system of radio navigation. 2,624,045, Dec. 30.

Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 2,582,937, Jan. 15.

Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable outlet head. 2,619,517, Nov. 25.

Bovee, John L., Sr.: *See*—
Deters, Elmer M., and Bovee.

Bowan, Walter J., and F. Tratzik, assignors to Mueller Co., Decatur, Ill. Lubricated valve. 2,593,968, Apr. 22.

Bowan, Walter J., and F. Tratzik, assignors to Mueller Co., Decatur, Ill. Lubricated valve. 2,605,993, Aug. 5.

Bowden, Andrew T., assignor to C. A. Parsons & Company Limited, Newcastle-on-Tyne, England. Closed cycle air turbine power plant having direct and indirect heat exchangers. 2,621,481, Dec. 16.

Bowden, Andrew T., assignor to C. A. Parsons & Company Limited, Newcastle-on-Tyne, England. Combustion system for gas turbines with heat exchangers. 2,622,395, Dec. 23.

Bowden, Andrew T., Newcastle-upon-Tyne, and P. Kolb, Whitley Bay, assignors of one-third to C. A. Parsons & Company Limited, Newcastle-upon-Tyne, England. Regenerative heat exchanger. 2,615,685, Oct. 28.

Bowden, James H., assignor to National Cylinder Gas Company, Chicago, Ill. Flux for lead burning and making same. 2,596,466, May 13.

Bowden, James J., Warren, Ohio. Fluidizing slag in the manufacture of steel by open-hearth and electric furnace processes. 2,597,851, May 27.

Bowder, David H., Attleboro, Mass., assignor to Swank, Inc. Identification assembly unit. 2,613,466, Oct. 14.

Bowder, David H., Attleboro, Mass., assignor to Swank, Inc. Separable pin fastener. 2,621,386, Dec. 16.

Bowditch, Frederick T., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Pocket for immobilizing inert gas in battery cathodes. 2,620,371, Dec. 2.

Bowditch, Hoel L., Jamaica Plain, Mass., assignor to Bola Toys Incorporated, Greenwich, Conn. Movable reflecting toy. 2,614,363, Oct. 21.

Bowen, Albert H., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Dry process manufacture of water-soluble derivatives of styrene-maleic anhydride type heteropolymers. 2,607,762, Aug. 19.

Bowen, Albert M.: *See*—
Montooth, George A., and Bowen.

Bowen, Alfred J., Beloit, Wis. Surface grinder. 2,603,041, July 15.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide attenuator. 2,600,466, June 17.

Bowen, Arnold E., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorported, New York, N. Y. Rotatable wave guide attenuator. 2,603,709, July 15.

Bowen, Arnold E., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotatable attenuator for wave guides. 2,603,710, July 15.

Bowen, Bertram E. V., and J. Howlett, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Purification of alcohols. 2,584,325, Feb. 5.

Bowen, Charles E.: *See*—
Wood, William, and Bowen.

Bowen, Claude T., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat-transfer container. 2,595,328, May 6.

Bowen-Colthurst & Partners Limited, assignee: *See*—
Waller, James H. de W.

Bowen & Company, Inc., assignee: *See*—
Welsh, William W.

Bowen, Dwain B., Los Angeles, Calif., assignor by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Forming a machining lubricant upon molybdenum. 2,591,777, Apr. 8.

Bowen, Earl M., and A. W. Johnson, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,593,254, Apr. 15.

Bowen, Edward, Kings Norton, Birmingham, England. Foot measuring device. 2,618,066, Nov. 18.

Bowen, Edward G., Cambridge, Mass., R. W. Taylor, Malvern, F. C. Williams, and R. H. Brown, Great Malvern, and A. G. Touch, Farnborough, assignors to Minister of Supply in His Majesty's Government of Great Britain and Northern Ireland, London, England. Radio locating apparatus. 2,592,855, Apr. 15.

Bowen, Kermit A., La Mesa, Calif. Robo-chord. Re. 23,458, Jan. 29.

Bowen, Leslie G., Evanston, Ill. Electric liquid heater. 2,607,878, Aug. 19.

Bowen, Oliver G., and E. W. Novell, Pasadena, Calif., said Novell assignor to said Bowen. Building material and making same. 2,583,292, Jan. 22.

Bowen, Tom: *See*—
Brown, James E., and Bowen.

Bowen, William S., Westfield, N. J. Turbine and compressor apparatus. 2,615,616, Oct. 28.

Bower, Andrew W.: *See*—
Schroeder, John A., and Bower.
Schroeder, John A., Bower, and Graber.

Bower, Byron F.: *See*—
Rossman, Edward J., and Bower.

Bower, Francis M., Tulsa, Okla., assignor to Standard Oil Development Company. Capacitor cell for pipeline batching. 2,623,928, Dec. 30.

Bower, Frank W., Elkhart, Ind. Coin bank slot structure. 2,620,128, Dec. 2.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Pottery fabricating machine. 2,599,605, June 10.

Bower, John O., Wyncote, Pa. Suture treatment and product. 2,615,450, Oct. 28.

Bower, John O., Wyncote, and J. P. Tarbox, Philadelphia, Pa., said Tarbox assignor to said Bower. Suture package and method. 2,615,565, Oct. 28.

Bower Roller Bearing Company, assignee: *See*—
Johnson, Glen F.
Ortegren, Herman A.

Bower, Russell B.: *See*—
Nichols, Charles A., Bower, Weiser, Edwards, Fletcher, McCoy, and Sample.

Bower, William L., assignor to James Neill & Company (Sheffield) Limited, Sheffield, England. Magnetic work holder. 2,609,430, Sept. 2.

Bowers, Benjamin N., Pittsfield, Mass., assignor to General Electric Company. Prechargeable spring assembly for high-voltage bushings. 2,623,919, Dec. 30.

Bowers, Charles E., Moylan, assignor to The Fibre Metal Products Company, Chester, Pa. Adjustable member for head protective equipment. 2,601,362, June 24.

Bowers, Erie F., Albemarle, N. C. Adjustable louver ventilator. 2,589,529, Mar. 18.

Bowers, Frank, Williamsville, N. Y., P. F. Joseph, Columbus, and K. C. Holmes, Westerville, Ohio, assignors to Curtiss-Wright Corporation. Releasably supporting aircraft components. 2,591,913, Apr. 8.

Bowers, John W., Wallingford, assignor to The Fibre-Metal Products Company, Chester, Pa. Combination weld cleaning and chipping tool. 2,592,648, Apr. 15.

Bowers, Richard C.: *See*—
Walton, Wilson W., and Bowers.

Bowers, Roy E., St. Louis, Mo. Window frame and sash unit. 2,583,251, Jan. 22.

Bowers, W. L., assignee: *See*—
Brock, Hinton D.

Bowersett, Charles F., Laurel, Md. Underwater signaling device. 2,601,245, June 24.

Bowersett, Charles F., Laurel, Md. Cutting device. 2,619,083, Nov. 25.

Bowerston Shale Company, The, assignee: *See*—
Milliken, Edward C., and Roth.

Bowes, Leslie H., Wadsworth, Ohio, assignor, by mesne assignments, to Morton Salt Company, Chicago, Ill. Carton packing apparatus. 2,613,021, Oct. 7.

Bowie, William W., assignee: *See*—
McQueen, Peter T.

Bowland, Charles R., and L. H. Crick, Jr., assignors to Sampsel Time Control, Inc., Spring Valley, Ill. Fire control pilot. 2,593,004, Apr. 15.

Bowler, Louis J., Middletown, Calif. Egg washing and scrubbing apparatus. 2,600,467, June 17.

Bowler & Sidney, Limited, assignee: *See*— Butterfield, Trevor L. H.

Bowles, Albert F., Naugatuck, Conn. Organic mercurials. 2,618,645, Nov. 18.

Bowles, Albert F., Naugatuck, assignor to The Synor Research Laboratories, Inc., Middletown, Conn. Preparation of substituted cyclophentenones. 2,623,071, Dec. 23.

Bowles, Sherman F., San Antonio, Tex. Smoking pipe. 2,588,693, Mar. 11.

Bowles, Vernon O.: *See*— Schutte, August H., and Bowles.

Bowles, Vernon O., Rye, and A. H. Schutte, Hastings on Hudson, assignors to The Lummus Company, New York, N. Y. Hydrocarbon conversion. 2,609,332, Sept. 2.

Bowling, Roy, assignee: *See*— Hudson, Clifford C.

Bowlus, Weldon G., Dallas, Tex. Music box attachment for vending machines. 2,617,323, Nov. 11.

Bowman, Albert H., Los Angeles, Calif. Drill sharpening apparatus. 2,580,884, Jan. 1.

Bowman, Arthur R., Dayton, Ohio. Detachable pouring spout. 2,594,858, Apr. 29.

Bowman Dairy Company, assignee: *See*— Kloser, Martin M., Kimball, and Schrenk.

Bowman, David F., assignor to Airborne Instruments Laboratory, Inc., Mineola, N. Y. Antenna system. 2,589,664, Mar. 18.

Bowman & Drussa Plumbing and Heating Co., assignee: *See*— Utley, Arthur B.

Bowman, George F., Quepos, Costa Rica. High-pressure diaphragm pump. 2,593,255, Apr. 15.

Bowman, Harry A., Anchorage, Territory of Alaska. Quick detachable anchoring means for chairs and the like. 2,589,922, Mar. 18.

Bowman, John R., Pittsburgh, and M. T. Cichelli, Forest Hills, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Process and apparatus for separation of mixtures. 2,584,785, Feb. 5.

Bowman, John T., and T. H. Eickhoff, assignors to Jon Henri, Inc., Cincinnati, Ohio. Fountain sponge having expansible discharge orifice. 2,618,002, Nov. 18.

Bowman, Kenneth W., Terre Haute, Ind. Bottle-washing machine. 2,617,434, Nov. 11.

Bowman, Norman J.: *See*— Weitkamp, Alfred W., and Bowman.

Bowman, Norman J., Gary, and A. W. Weitkamp, Whiting Ind., assignors to Standard Oil Company, Chicago, Ill. Separation of alcohols. 2,594,481, Apr. 29.

Bowman, Ray O., Follansbee, W. Va., assignor to National Steel Corporation. Apparatus for continuously adding an inhibitor to a mixing tank. 2,608,392, Aug. 26.

Bowman, Robert S.: *See*— Stevens, Donald R., and Bowman.

Bowman, Virgil L., Buhl, Idaho. Antifouling sinker. 2,623,320, Dec. 30.

Bowman, Wade W., Dallas, Tex. Lotion dispenser. 2,599,686, June 10.

Bowman, William A., Baltimore, Md. Window raising and cleaning unit. 2,613,738, Oct. 14.

Bown, Ronald A., Denver, Colo. Can opener. 2,588,347, Mar. 11.

Bowser, Dewey, Plymouth, Ind. Ringless piston for compression engines. 2,618,522, Nov. 18.

Bowser, Inc., assignee: *See*— Blum, Hosmer L. De Haven, La Vern H. Farrell, Lawrence S. Harvuot, Frank B. Klopfenstein, Gerald J. Marvel, Harvey E. Zavolco, Stephen V.

Bowser, Joseph T., Pittsburgh, Pa. X-ray film holder. 2,612,609, Sept. 30.

Bowser, Percy L.: *See*— Venner, William M., and Bowser.

Bowser, Virgil C., Silver Spring, Md., and G. W. Kinzelman, Washington, D. C. Gun firing mechanism with cutout device. 2,582,225, Jan. 15.

Bowtell, William J., Bromley, England. Sluice gate. 2,593,969, Apr. 22.

Box, E. O., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of acetylene from gaseous hydrocarbon mixtures. 2,587,689, Mar. 4.

Boyajian, Alfred Z., Farmingdale, N. Y. Folding auxiliary tray provided seat. 2,604,143, July 22.

Boyan, Edwin A., Sharon, Mass. Apparatus for production analysis. 2,591,124, Apr. 1.

Boyan, Frank, Waterford, Wis. Auxiliary air supplying device for internal-combustion engines. 2,602,435, July 8.

Boyce, Edward C., deceased, Fitzwilliam, N. H.; G. Boyce, administrator. Folding table. 2,618,523, Nov. 18.

Boyce, Eugene L., and H. Goldberg, assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Lawn mower. 2,583,543, Jan. 29.

Boyce, Eugene L., and P. L. Loewe, assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Lawn mower with removable reel assembly. 2,603,055, July 15.

Boyce, Gerard, administrator: *See*— Boyce, Edward C.

Boyce, John, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Can handling and arranging apparatus. 2,620,065, Dec. 2.

Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Air heater for automatic choke carburetors. 2,608,389, Aug. 26.

Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Two-fuel carburetor. 2,611,593, Sept. 23.

Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Engine switch with detent. 2,611,841, Sept. 23.

Boyce, Mabel C., Danbury, Conn. Infant's gown. 2,613,359, Oct. 14.

Boyce Thompson Institute for Plant Research, Inc., assignee: *See*— Denny, Frank E. Hitchcock, Albert E., and Zimmerman. Zimmerman, Percy W., and Hitchcock

Boyce, William C., Dallas, Tex., assignor to United Aircraft Corporation, East Hartford, Conn. Rudder pedal installation. 2,610,006, Sept. 9.

Boyce, William S., Denver, Colo. Tie plate. 2,613,876, Oct. 14.

Boyd, Bruce: *See*— Anderson, William H., Shingler, and Boyd.

Boyd, Clarence A., assignor to The Watt Car & Wheel Company, Barnesville, Ohio. Mine car. 2,612,119, Sept. 30.

Boyd, David M., Jr., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Fractionation control. 2,580,651, Jan. 1.

Boyd, J. Aubrey, assignee: *See*— Murrell, Ernest B.

Boyd, James H., Bronxville, N. Y., assignor to Phillips Petroleum Company. Rubber reclaiming solvents. 2,623,862, Dec. 30.

Boyd, James H., New York, N. Y., assignor to Phillips Petroleum Company. Azeo-extractive distillation. 2,609,333, Sept. 2.

Boyd, John R.: *See*— Way, Stewart, Hershey, and Boyd.

Boyd, Joseph J., Washington, D. C., and F. E. Reed, Middlesex County, Mass. Vibration measuring device. 2,599,539, June 10.

Boyd, Joseph W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Self-cleaning valve. 2,600,836, June 17.

Boyd, Lawrence A., Denison, Tex. Garage door operator. 2,621,038, Dec. 9.

Boyd, Loyd Q., Hammond, Ind., and A. E. Endres, Homewood, assignors to Standard Oil Company, Chicago, Ill. Destruction of crab grass. 2,608,479, Aug. 26.

Boyd, Robert E., G. H. McFadden, and B. Bennett, Columbus, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Delaying coagulation of rubber latex. 2,594,859, Apr. 29.

Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of ethylene in the liquid phase with "alfin" catalysts. 2,606,179, Aug. 5.

Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymeric titanium mixed esters. 2,614,112, Oct. 14.

Boyd, Thomas, Springfield, and R. B. Green, Chicopee Falls, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Oil gelation accelerator. 2,620,318, Dec. 2.

Boyd-Welsh, Inc., assignee: *See*— Jonas, Gilbert F.

Boyd, Winnett: *See*— Secord, Lloyd C., and Boyd.

Boyd, Winnett, Bobcaygeon, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Heated intake component for gas turbine engines. 2,594,118, Apr. 22.

Boyd, Winnett, Leaside, and K. F. Tupper, East York Township, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Dynamometer. 2,599,315, June 3.

Boyd, Winnett, Bobcaygeon, and J. T. Purvis, Toronto, assignors to A. V. Roe Canada Limited, Walton, Ontario, Canada. Gas turbine nozzle box. 2,608,057, Aug. 26.

Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Accumulator state control positioning mechanism. 2,583,810, Jan. 29.

Boyden, Robert E., Los Angeles, Calif., assignor to Marchant Calculating Machine Company. Office machine. 2,598,342, May 27.

Boyden, Robert E., Los Angeles, and E. P. Drake, Glendale, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Early factor mechanism. 2,581,624, Jan. 8.

Boyden, Robert E., Los Angeles, and H. H. Freeman, Arcadia, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Interlocking and function control device. 2,607,526, Aug. 19.

Boyden, Robert E., Los Angeles, and E. P. Drake, Glendale, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Clutch control mechanism. 2,609,145, Sept. 2.

Boyadjieff, Stephen P., Reading, Pa. Air perfuming device. 2,614,820, Oct. 21.

Boyer, Albert J., Kansas City, Kans. Convertible cleaning machine for automobile cooling systems and automobile parts. 2,593,256, Apr. 15.

Boyer, Clay G., Philadelphia, Pa. Device for removing wrappers from packaged goods, such as chewing gum, confections, or the like. 2,600,837, June 17.

Boyer, Fred S., Chicago, Ill. Control mechanism. 2,616,306, Nov. 4.

Boyer, Howard B., Eugene, Oreg. Paper clamp. 2,598,883, June 3.

Boyer, John D., Jr.: *See*— Stewart, Glenn F., Houck and Boyer.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pressurized alkali-metal tube. 2,595,634, May 6.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-capacity vapor-electric device. 2,600,390, June 17.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid-cooled and insulated windings. 2,605,312, July 29.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetically controlled rectifier-tube. 2,616,004, Oct. 28.

Boyer, John L., and J. Slepian, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gaseous-discharge make-alive device. 2,600,196, June 10.

Boyer, John L., Pittsburgh, and R. J. Ballard, West Newton, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,605,439, July 29.

Boyer, Raymond F.: *See*— Rubens, Louis C., and Boyer.

Boyer, Raymond J., Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Steam generator. 2,599,316, June 3.

Boyer, Richard P., Jr., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Path-selection control arrangement for primary-secondary switching systems. 2,587,103, Feb. 26.

Boyer, Richard P., Jr., La Grange, and J. I. Bellamy, Wheaton, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Multirelay electric timer. 2,590,926, Apr. 1.

Boyer, Richard P., Jr., La Grange, and J. I. Bellamy, Wheaton, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company. Endless chain of counting relays. 2,600,729, June 17.

Boyes, Mary A., Los Angeles, and J. E. Coates, assignors to Alta Engineering Company, Santa Monica, Calif. Convertible table. 2,583,811, Jan. 29.

Boyett, Jesse B., Sr., Nashville, Ga. Transmission unit. 2,596,643, May 13.

Boyker, Robert O., assignee: *See*— Moen, Alfred M.

Boykin, John R.: *See*— Carter, John M., and Boykin.

Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,611,091, Sept. 16.

Boyko, John: *See*— Mullen, Edward, and Boyko.

Boyko, John, Detroit, and E. W. McCaul, Birmingham, assignors to J. B. Webb Company, Detroit, Mich. Floor drive line conveyer. 2,621,610, Dec. 16.

Boyko, Theodore, Bronx, N. Y. Hair curler. 2,618,277, Nov. 18.

Boyle, Farnham F.: *See*— Lipic, Sylvester G., Boyle, and Lyon.

Boyle, Francis B., assignor to The Wigginton Company, Kalamazoo, Mich. Voltage indicating instrument and case therefor. 2,586,203, Feb. 19.

Boyle, Frank A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Drilling attachment for riveting machines. 2,598,106, May 27.

Boyle, James F., Teaneck, N. J., assignor to Air Cruisers Company. Airborne vehicle and cushioning and/or buoyancy supporting means therefor. 2,621,874, Dec. 16.

Boyle, James M.: *See*— Kirshenbaum, Abraham D., and Boyle. Rudel, Harry W., and Boyle.

Boyle, John R., Chicago, Ill. Motor-driven transfer tool. 2,621,433, Dec. 16.

Boyle, Robert J., Teaneck, N. J., assignor to Air Cruisers Company. Lifesaver vest. 2,621,342, Dec. 16.

Boyle, Robert S., assignor to The Cube Drawer Corporation, Akron, Ohio. Freezing tray. 2,584,838, Feb. 5.

Boyle, Thomas C.: *See*— Wolfe, Richard C., and Boyle.

Boyle, Thomas C., Altadena, Calif. Expansion head for torpedoes. 2,582,226, Jan. 15.

Boyle, Thomas C., Altadena, Calif. Variable length torpedo head. 2,596,120, May 13.

Boyle, Thomas E., Auckland, Auckland, New Zealand, assignor to The B. F. Goodrich Company, New York, N. Y. Antiskid composition and making same. 2,585,219, Feb. 12.

Boyle, Thomas H., assignee: *See*— Dreese, George A.

Boyles Bros. Drilling (Eastern) Ltd., assignee: *See*— Waddington, Richard.

Boyles, J. Van, High Point, N. C. Machine for making garment hangers. 2,588,476, Mar. 11.

Boyles, Sylvester, assignee: *See*— Gregory, Harry R.

Boynton, Wentworth D., Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling coiling machines. 2,585,994, Feb. 19.

Boys, Donald L., assignee: *See*— Fish, Kenneth R. G., and Gent.

Boysen, Albert P., Jr.: *See*— Botsford, Nelson, Boysen, Aikens, Dietze, Goodale, and Inglis.

Bozel-Maletra, assignee: *See*— Lehmann, René L., and Lintner.

Bozel-Maletra Societe Industrielle de Produits Chimiques, assignee: *See*— Lehmann, René L., and Lintner.

Brabaek, Jörgen, assignor to Aktieselskabet "Vølund," Copenhagen, Denmark. Making a physiologically-active vitamin preparation. 2,583,464, Jan. 22.

Brabaek, Jorgen, assignor to Aktieselskabet "Volund," Copenhagen, Denmark. Making confectionery products. 2,594,538, Apr. 29.

Brabets, Robert I., Hazelcrest, assignor to Swift & Company, Chicago, Ill. Propane decolorizing. 2,596,065, May 6.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Filter bag coupling. 2,594,285, Apr. 29.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigerator and control mechanism therefor. 2,596,523, May 13.

Bracewell, John L., Shreveport, La. Form tie for wall structures. 2,612,674, Oct. 7.

Brach, E. J., & Sons, assignee: *See*— Spain, William P.

Brack, Joseph L., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle bed locking arrangement. 2,580,509, Jan. 1.

Brack, Joseph L., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Clip for attaching moldings. 2,604,680, July 29.

Bracken, William A., Levy, Ark. Sun visor for automobiles. 2,588,694, Mar. 11.

Brackett, Newell, Bala-Cynwyd, Pa., assignor to Crane Packing Company, Chicago, Ill. Switch structure for motor-driven tools. 2,592,649, Apr. 15.

Brackin, Carey W.: *See*— Healy, Judd W., and Brackin.

Bracutt, Michael, East Orange, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Direct current control system. 2,622,239, Dec. 16.

Bradbury, James G., assignor to Hays Manufacturing Company, Erie, Pa. Tamperproof plug valve. 2,586,453, Feb. 19.

Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Gyroscopic instrument. 2,603,003, July 15.

Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Compensated gyro-vertical. 2,620,669, Dec. 9.

Braddon, Frederick D., Babylon, L. F. Beach, Port Washington, L. J. Delanty, Baldwin, and V. Vacquier, Garden City, N. Y., assignors to The Sperry Corporation. Marine gyro vertical. 2,598,672, June 3.

Braden, Rene A., Hopewell, N. J., assignor to Radio Corporation of America. Frequency modulation radar systems with directional couplers or the like. 2,618,744, Nov. 18.

Bradfield, George K., Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y. Window construction. 2,585,322, Feb. 12.

Bradford, Eliot B., Silver Spring, Md., A. Africano, Caldwell, N. J., and C. N. Hickman, Jackson Heights, N. Y., assignors to the United States of America as represented by the Secretary of War. Automatically detachable flashless nozzle for rockets. 2,596,644, May 13.

Bradford, George, D. Mulock-Bentley, and N. H. Auret, assignors to Anglo American Corporation of South Africa, Limited, Johannesburg, Transvaal, Union of South Africa. Remote surplus energy dissipation for wound rotor induction motors. 2,581,749, Jan. 8.

Bradford, Purdy, Palos Park, and H. J. White, Lansing, assignors to Swift & Company, Chicago, Ill. Anticaking agent for cleansing powder. 2,589,330, Mar. 18.

Bradford, Shirrell F., Longmont, Colo. Shovel attachment for crawler tractors. 2,613,006, Oct. 7.

Bradley, Arthur L., Royal Oak, Mich. Vehicle seat. 2,618,312, Nov. 18.

Bradley, Earl H., Seekonk, Mass., assignor to Builders Iron Foundry. Pump stroke adjusting device. 2,592,237, Apr. 8.

Bradley, Edwin K., New Market, N. J. Ether dropper. 2,605,937, Aug. 5.

Bradley, Evelyn, administratrix: *See*—
Bernstein, Wilburn F.

Bradley & Gilbert Company, The, assignee: *See*—
Bolding, Hubert V.

Bradley, Harris W., Bellefonte Heights, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Sulfonamides formed by amidation of chlorosulfonated polyethylene. 2,615,000, Oct. 21.

Bradley, Harry S., assignor to Shenango-Penn Mold Company, Pittsburgh, Pa. Weigh table or hopper for cupola of furnace charging. 2,605,096, July 29.

Bradley, Holley P., Tulsa, Okla. Mask. 2,619,085, Nov. 25.

Bradley, John A., Santa Ana, Calif. Hydraulic rotary drill. 2,610,031, Sept. 9.

Bradley, John G., Washington, D. C. Case with heat-resistant retractor and closure belt. 2,615,772, Oct. 28.

Bradley, John M., Cambridge, Mass., and H. J. Ogorzaly, Summit, N. J., assignors to Standard Oil Development Company. Blast furnace operation. 2,593,257, Apr. 15.

Bradley, Neil C. H., Milwaukee, Wis. Cabineted toy railroad. 2,590,676, Mar. 25.

Bradley, Ralph A.: *See*—
Beyer, Frank A., and Bradley.
Beyer, Frank A., Bradley, and Crank.

Bradley, Robert E., East Lansing, assignor to Reo Motors, Inc., Lansing, Mich. Power-driven lawn mower. 2,620,613, Dec. 9.

Bradley, Robert L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread waxing device. 2,608,950, Sept. 2.

Bradley, Robert W., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Nail cutting machine. 2,609,554, Sept. 9.

Bradley, Robert W., Marblehead, Mass., and R. M. Osborn, Inglewood, Calif., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for keying an oscillator. 2,607,895, Aug. 19.

Bradley, Rolland A., assignee: *See*—
Hess, Clem H.

Bradley, Roy C., San Bernardino, Calif. Film reeling assembly. 2,609,158, Sept. 2.

Bradley, Stephen D., Detroit, Mich., assignor to Detroit Macoid Corporation. Weather strip. 2,581,574, Jan. 8.

Bradley, Stephen D., assignor to Detroit Macoid Corporation, Detroit, Mich. Sealing strip. 2,610,713, Sept. 16.

Bradley, Stephen D., assignor to Detroit Macoid Corporation, Detroit, Mich. Sealing strip. 2,610,714, Sept. 16.

Bradley, Theodore F.: *See*—
Newey, Herbert A., Shokal, and Bradley.
Tess, Roy W. H., Jakob, and Bradley.

Bradley, Theodore F., and D. E. Winkler, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif. Stabilization of vinyl halide polymers with a salt of a hydrocarbon substituted benzoic acid. 2,598,496, May 27.

Bradley, Warren: *See*—
Peters, Norman J., and Bradley.

Bradley, Wilburn F.: *See*—
Bernstein, Wilburn F.

Bradley, William E., New Hope, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency transmission system. Re. 23,598, Dec. 23.

Bradley, William E., Springfield Township, Montgomery County, assignor to Philco Corporation, Philadelphia, Pa. Modulation system and method. 2,590,373, Mar. 25.

Bradley, William H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Latch type clutch mechanism. 2,589,665, Mar. 18.

Bradney, Clifford H.: *See*—
Halpern, Alfred, and Bradney.

Bradnick, Le Roy V., Anderson, Ind. Centrifugal speed responsive mechanism. 2,599,157, June 3.

Bradshaw, John R.: *See*—
Faulkner, Harry R., Pettus, and Bradshaw.

Bradshaw, Leonard C., assignor to International Bitumen Emulsions Limited, Slough, England. Manufacture of bituminized fibrous products. 2,602,029, July 1.

Bradshaw, William H., New Rochelle, N. Y., and W. R. Schmitz, Jr., Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for cellulose processing. 2,592,112, Apr. 8.

Brady, Charles V., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 2,616,468, Nov. 4.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Labeled open-mesh bag. 2,588,695, Mar. 11.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Valved bag and its manufacture. 2,595,446, May 6.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag closure. 2,615,488, Oct. 28.

Brady, David R., Detroit, Mich., assignor to Owens-Corning Fiberglas Corporation. Shoe insole. 2,599,317, June 3.

Brady, Edward B., Cleveland, Ohio. Program and communication system for drive-in theaters or restaurants. 2,598,343, May 27.

Brady, Edward F., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Core taking apparatus. 2,580,510, Jan. 1.

Brady, Francis A., Canadaigua, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Stitchless wallet construction. 2,607,384, Aug. 19.

Brady, Francis E., Jr., Muncie, Ind. Portable exhaust gas conveyer. 2,598,884, June 3.

Brady, Francis E., Jr., Muncie, Ind. Fluid pressure system. 2,622,531, Dec. 23.

Brady, Frank W., Scranton, Pa. Eye examining device having concave mirror. 2,582,227, Jan. 15.

Brady, James M., West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army. Recording system. 2,601,247, June 24.

Brady, James M., West Long Branch, N. J. Mercurial minimum thermometer. 2,614,431, Oct. 21.

Brady, James M., West Long Branch, and W. D. Huston, Atlantic Highlands, N. J. Recording instrument. 2,601,246, June 24.

Brady, John A., Sr., Golden Meadow, La. Public utility service trailer. 2,620,201, Dec. 2.

Brady, Merle C., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Reducing propeller vibrational effects. 2,581,625, Jan. 8.

Braegger, Carl, assignor to Ludi & Co., Flawil, Switzerland. Cloth-covered button. 2,599,225, June 3.

Braendel, Helmuth G.: *See*—
Wilkening, Frederick W., Braendel, and Engelhardt.

Brager, Leif N., Maplewood, and F. F. Borkmann, Union, N. J., assignors to American Can Company, New York, N. Y. Feeding mechanism with gripping device. 2,609,946, Sept. 9.

Bragg, Herbert E.: *See*—
Leslie, Fred D., Whitmore, and Bragg.

Brahmer, Leland F., and R. P. Hanna, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trolley conductor insulator. 2,593,970, Apr. 22.

Braibanti, Giuseppe and M., Milan, Italy. Kneading and pressing device for machines for making alimentary pastes. 2,620,752, Dec. 9.

Braibanti, Mario: *See*—
Braibanti, Giuseppe and M.

Braillaford, Joseph D., and E. B. Vass, Chelmsford, assignors to Marconi's Wireless Telegraph Company Limited, London, England. Radio direction finder. 2,605,465, July 29.

Brainerd, Arthur A., Norwood, Pa. Enclosed internally heated electric discharge lamp luminaire for variable temperature service. 2,610,289, Sept. 9.

Braithwaite, David G., assignor to National Aluminate Corporation, Chicago, Ill. Preparation of silica-magnesia bead catalyst. 2,582,099, Jan. 8.

Braithwaite, David G., and J. S. D'Amico, assignors to National Aluminate Corporation, Chicago, Ill. Phenolaldehyde-amine anion exchange resin. 2,582,098, Jan. 8.

Braithwaite, George T., Miami, Fla. Detachable and releasable connector for fishing sinkers. 2,594,620, Apr. 29.

Braithwaite, Isaac, & Son Engineers Limited, assignee: *See*—
Walker, Thomas B.

Brajer, Edwin J., Maple Heights, assignor to The Brush Development Company, Cleveland, Ohio. Cementing ceramic transducers. 2,618,579, Nov. 18.

Brake, Edgar R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Grinder rotor. 2,583,319, Jan. 22.

Brake, Richard H., Rawlins, Wyo. Switch means. 2,603,673, July 15.

Bralley, James A., Bristol, Pa., and F. B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Di(alkenyl carbonate) esters of alkylidene bis-phenols. 2,587,437, Feb. 26.

Brälm, Alfred, Schlieren, near Zurich, assignor to Micafil A.-G., Zurich-Altstetten, Switzerland. Protective arrangement for electrical apparatus operating in an insulating liquid. 2,616,443, Nov. 4.

Brälm, Alfred, Schlieren, near Zurich, assignor to Micafil A.-G., Zurich-Altstetten, Switzerland. Apparatus for ironing insulated coils. 2,618,728, Nov. 18.

Braman, Forest F., Wichita, Kans. Combination automatic clutch and variable-speed transmission. 2,585,732, Feb. 12.

Bramann, George M., and J. L. Switzer, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Tank trailer for transporting gases. 2,603,497, July 15.

Bramberry, Harry M., deceased, New Castle, Ind.; H. M. Bramberry, Jr., administrator, assignor to himself. Low-pressure steam cooker. 2,622,591, Dec. 23.

Bramberry, Harry M., Jr., administrator, assignee: *See*—
Bramberry, Harry M.

Bramfitt, Thomas A., Watervliet, and E. C. Pfeffer, Jr., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Sewing machine and sewing. 2,580,724, Jan. 1.

Bramhall, Caryl C., and E. F. Sutherland, Ridgewood, N. J. Fire kindling device. 2,622,017, Dec. 16.

Bramley, Arthur, Long Branch, N. J. Throttling process and device. 2,581,168, Jan. 1.

Bramley, Jenny, Long Branch, N. J. Color television tube and process. 2,606,303, Aug. 5.

Bramley, Jenny, Long Branch, N. J. Secondary-electron-emitting surface. 2,620,287, Dec. 2.

Brammer, Harry, Kirkstall, Leeds, England. Pedal reflector. 2,592,238, Apr. 8.

Bramming, Carl, Anderson, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Attaching electric lamp sockets to tubular lamp bases. 2,596,006, May 6.

Bramwyche, Peter L.: *See*—
Bewley, Thomas, and Bramwyche.

Branch, William F., Buffalo, N. Y. Sun visor for motor vehicles. 2,599,809, June 10.

Branchu, Paul J., Paris, assignor to Etablissements Merlin & Gerin-Société Anonyme, Grenoble, France. Release mechanism. 2,580,511, Jan. 1.

Branco, Osmario R., Santos, Brazil. Land and water vehicle. 2,606,519, Aug. 12.

Brand, Robert A.: *See*—
Edwards, Martin A., and Brand.

Brand, Samuel, Binghamton, and F. V. Adams, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Multiplying and dividing machine. 2,615,624, Oct. 28.

Brand, William S., Chicago, Ill. Rubber-faced bumper guard. 2,620,216, Dec. 2.

Brandau, Karl J., Wheeling, W. Va., and R. L. Funk, Bellaire, Ohio. Pneumatic separator. 2,600,965, June 17.

Brandau, William E., Westwood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Thermocouple means. 2,611,791, Sept. 23.

Brandel, Lelia C., Burbank, Calif. Hair curler. 2,620,807, Dec. 9.

Brandenburg, Otto: *See*—
Wunderlich, Johann F., and Brandenburg.

Brandenburg, Stanley A.: *See*—
Hickel, Clifford A., Brandenburg, and Foster.

Brander, Bertil J., Stockholm, Sweden. Motor-driven razor. 2,617,182, Nov. 11.

Brandhandler, Filip, assignee: *See*—
Denzler, Berthold.

Brandin, Tore, assignor to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden. Refrigerating machine or heat pump unit of the multiple compression type. 2,586,454, Feb. 19.

Brandner, John D., assignor to Atlas Powder Company, Wilmington, Del. Aromatic ether-ester of diglycolic acid. 2,589,666, Mar. 18.

Brandon, Clarence W., Tallahassee, Fla., assignor of sixteen and two-thirds per cent to N. A. Harden, sixteen and two-thirds per cent to H. H. Wright, and sixteen and two-thirds per cent to C. H. Newton. Self-locking bolt or cap screw. 2,585,621, Feb. 12.

Brandon, Frank M., Anchorage, assignor to Consider H. Willet, Inc., Louisville, Ky. Warp corrector for table tops. 2,602,718, July 8.

Brandstad, Malte, Torshalla, Sweden. Sheet metal guide and support for vise jaws. 2,611,287, Sept. 23.

Brandt, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gauge. 2,616,182, Nov. 4

Brandt Automatic Cashier Company, assignee: *See*—
Buchholz, Arnold R., and Barganz.

Brandt, Axel H., Virginia, and A. J. Raasch, Mountain Iron, Minn. Safety device for cable tool drilling rigs. 2,596,362, May 13.

Brandt, Beulah, Unadilla, Nebr. Hair-waving device. 2,617,430, Nov. 11.

Brandt, Carl D.: *See*—
Dudley, John S., and Brandt.

Brandt, Edgar W., Geneva, Switzerland, assignor to Anstalt für die Entwicklung von Erfindungen und Gerwerblichen Anwendungen "Energa," Vaduz, Liechtenstein. Fuse. 2,595,757, May 6.

Brandt, Edgar W., Geneva Switzerland, assignor to Anstalt für die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energa," Vaduz, Liechtenstein. Fuse. 2,601,827, July 1.

Brandt, Edgar W., Geneva, Switzerland, assignor to Anstalt für die Entwicklung von Erfindungen und gewerblichen Anwendungen "Energa," Vaduz, Liechtenstein. Projectile. 2,613,605, Oct. 14.

Brandt, Emil H., Davenport, Iowa. Pneumatic external draw lapping head. 2,603,044, July 15.

Brandt, Francis L., Glen Rock, assignor of one-half to W. C. Hand, Mountainside, N. J. Heel and shank lock for shoes. 2,614,343, Oct. 21.

Brandt, Gustaf E., Nol, assignor to Aktiebolaget Tudor, Stockholm, Sweden. Battery plate. 2,615,061, Oct. 21.

Brandt, Gustaf E., Nol, assignor to Aktiebolaget Tudor, Stockholm, Sweden. Electrode for galvanic cells. 2,616,938, Nov. 4.

Brandt, H. J., assignee: *See*—
Knorr, Herman, Jr.

Brandt, Henry E., North St. Paul, Minn. Hand-operated duster. 2,597,282, May 20.

Brandt, J. P., Aktiebolag, assignee: *See*—
Aulin, Tage G.

Brandt, John B., H. J. Kelly and J. J. Burns, Chicago, Ill. Mobile incinerator. 2,601,657, June 24.

Brandt, John R.: *See*—
Salerno, George F., and Brandt.

Brandt, Preston L., La Marque, assignor to Pan American Refining Corporation, Texas City, Tex. Plasticized butadiene-acrylonitrile copolymers. 2,608,544, Aug. 26.

Brandt, Richard J., Minneapolis, Minn. Latch mechanism. 2,593,971, Apr. 22.

Brandt, Walter, Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dial set for carrier or 2-wire lines. 2,610,256, Sept. 9.

Brandt, Walter, Jersey City, and J. H. Brundage, West Caldwell, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Ringing equipment. 2,596,977, May 20.

Brandt, Weldon H., Wilkinsburg, Pa., M. W. Rider, Morgantown, W. Va., and R. C. Westphal, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrolytic method of removing burrs. 2,590,927, Apr. 1.

Brandtjen, Henry A.: *See*—
Kluge, Abel, and Brandtjen.

Brandtjen and Kluge, Inc., assignee: *See*—
Kluge, Abel, and Brandtjen.

Brandvig, Lauren B., Minneapolis, Minn. Novelty toy spectacle. 2,598,107, May 27.

Brandvold, Carl S., Cut Bank, Mont. Auto tire nonskid device. 2,596,096, May 13.

Brannam, Hal C., Tulsa, Okla. Rotary pump with fluid container for lavatory. 2,607,043, Aug. 19.

Brannen, Cecil, assignee: *See*—
McDonald, Taylor M.

Brannen, Wiley W., assignor of one-half to A. A. Dorman, Statesboro, Ga. Hydraulic brake adjuster. 2,588,935, Mar. 11.

Brannock, Kent C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of organic thiophosphates. 2,622,095, Dec. 16.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mixing valve. 2,584,417, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Constant flow valve. 2,584,418, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Thermostatically actuated pilot operated valve. 2,584,419, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mixing valve. 2,584,420, Feb. 5.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Constant flow valve mechanism. 2,587,815, Mar. 4.

Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Hydraulic control for automatic washing machines. 2,607,207, Aug. 19.

Branson, Edward H., assignor to General Railway Signal Company, Rochester, N. Y. Wire terminal and insulating sleeve. 2,592,788, Apr. 15.

Branson, James D., Casper, Wyo. Bumper seat for automobiles. 2,612,207, Sept. 30.

Branson, Nathan E., assignor to E. C. Matignon, Oakland, Calif. Frog making machine. 2,594,119, Apr. 22.

Branson, Paul: *See*—
Warren, Dennis E., and Branson.

Branstrator, Wayne P., Fort Wayne, Ind., H. J. Rabb, Detroit, Mich., and A. G. Mess, Dayton, Ohio; said Mess assignor to said Branstrator and said Rabb. Building unit. 2,616,283, Nov. 4.

Brant, Arthur A., Clarkdale, Ariz., assignor to Newmont Mining Corporation, New York, N. Y. Resistivity method for determining ore continuity. 2,599,688, June 10.

Brant, Arthur A., Toronto, Ontario, Canada, assignor to Geophysical Exploration Company, New York, N. Y. Drill hole magnetometer apparatus. 2,599,687, June 10.

Brant, Arthur A., Toronto, Ontario, Canada, and E. A. Gilbert, Lake Hiawatha, N. J., assignors, by mesne assignments, to Geophysical Exploration Company. Geophysical exploration. 2,611,004, Sept. 16.

Brant, David O., Beverly Hills, Calif. Rotary pump piston. 2,605,715, Aug. 5.

Brantford Coach and Body Limited, assignee: *See*—
Gurton, William S., and Nyberg.

Brasch, Arno, Brooklyn, N. Y., assignor to Electronized Chemicals Corporation. Window structure for cathode-ray tubes. 2,617,953, Nov. 11.

Brasch, Jerome F.: *See*—
Siefker, Joseph A., and Brasch.

Brasco Manufacturing Company, assignee: *See*—
Bosshard, John J.

Braselton, Chester H., New York, N. Y. Cosmetic applicator. 2,595,635, May 6.

Braselton, Chester H., New York, N. Y. Cartridge-type lipstick. 2,609,092, Sept. 2.

Braselton, Chester H., New York, N. Y. Cartridge lipstick. 2,612,990, Oct. 7.

Braselton, Chester H., New York, N. Y. Nonretractable lipstick. 2,612,991, Oct. 7.

Brasington, Harold W., Darlington, S. C. Aerial game device. 2,616,697, Nov. 4.

Braskamp, Willem H., Voorburg, Netherlands. Window or wall ventilator. 2,611,608, Sept. 23.

Braski, Raymond J., and F. C. Schwaneke, assignors to Dormeyer Corporation, Chicago, Ill. Cooking utensil. 2,597,695, May 20.

Brassel, Jakob: *See*—
Widmer, Willy, and Brassel.

Brassert, H. A., & Company, assignee: *See*—
Brassert, Herman A.
De Jahn, Fredrik W.
Kling, Fred E.

Brassert, Herman A., Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Cylindrical converter. 2,599,158, June 3.

Brastad, William A., Minneapolis, Minn., assignor to General Mills, Inc. Reel stop and drive. 2,622,812, Dec. 23.

Braswell, James W., Jr., Wilmington, N. C. Ice-making machine. 2,590,499, Mar. 25.

Braswell, Roy A., Alderson, Okla. Drill press. 2,580,398, Jan. 1.

Bratis, Harry: *See*—
Hein, Louis T., and Bratis.

Bratland, Gustave C.: *See*—
Johnson, Charley E., and Bratland.

Brattain, Walter H.: *See*—
Bardeen, John, and Brattain.
Klein, Norman E., and Brattain.

Brattain, Walter H., Chatham, N. J., and N. E. Klein, Garden City, and M. S. Richardson, Huntington, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Magnetometer head. 2,605,344, July 29.

Bratton, Robert A., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Indexing system. 2,610,062, Sept. 9.

Bratton, Samuel M., assignor to The Pusey & Jones Corporation, Wilmington, Del. Suction box connection to manifold. 2,608,913, Sept. 2.

Bratz, Otto J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Degreasing machine. 2,595,920, May 6.

Brauer, Walter, Corpus Christi, Tex. Making window frames. 2,620,551, Dec. 9.

Brauer, Walter, Ingleside, Tex. Prefabricated building structure. 2,620,651, Dec. 9.

Brauer, William F., Pasadena, Calif. Fishing rod support. 2,599,160, June 3.

Braukus, Joseph, Wallace, Idaho. Protector for fish-hooks. 2,623,321, Dec. 30.

Braumiller, Raymond S., Dallas, Tex. Chain link and chain device formed therewith. 2,602,345, July 8.

Braun, Alfred E., assignee: *See*—
Weltlich, Robert T.

Braun, Anita M., Winnipeg, Manitoba, Canada. Oil treatment device. 2,604,993, July 29.

Braun, C. F., & Co., assignee: *See*—
Haynes, Charles L.
Haynes, Charles L., and Breer.

Braun, Elmer S., St. Louis, Mo. Paint container and applicator. 2,600,197, June 10.

Braun, Emil A., Bloomfield, N. J. Apparatus for artificial development of germ organisms. 2,583,993, Jan. 29.

Braun, Frank C., New York, N. Y. Floral spray. 2,618,901, Nov. 25.

Braun, Karl F., Clairton, and G. T. Griffiths, McKeesport, Pa., assignors to United States Steel Company. Scraper for river bottoms. 2,606,375, Aug. 12.

Braun, Karl J., Glenbrook, and F. Miller, Jr., Springdale, Conn., assignors to Remington Rand Inc., New York, N. Y. Sensing mechanism. 2,589,987, Mar. 18.

Braun, Moodie E., Sr., assignor of thirty-three and one-third per cent to S. Braun, Phoenix, Ariz., and thirty-three and one-third per cent to R. T. Fickett. Three-dimensional sign letter. 2,584,253, Feb. 5.

Braun, Orville A., Los Angeles, Calif. Combination comb and liquid dispenser. 2,591,125, Apr. 1.

Braun, Ottwin L., Pittsburgh, assignor to Reliance Steel Products Company, McKeesport, Pa. Curb and gutter form. 2,586,912, Feb. 26.

Braun, Philip N., Syracuse, N. Y. Printing machine for marking articles. 2,603,152, July 15.

Braun, Philip N., Syracuse, N. Y. Printed tag receiver for tag printing machines. 2,611,314, Sept. 23.

Braun, Philip N., Inc., assignee: *See*—
Petermann, Otto, and Kosmer.

Braun, Richard T., Port Arthur, Tex., assignor, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Vaporizing and burning sulfur. 2,595,447, May 6.

Braun, Rudolf M., New York, N. Y. Psychrometer. 2,614,428, Oct. 21.

Braun, Suzanne, assignee: *See*—
Braun, Moodie E., Sr.

Braunberger, Ray A., Chicago, Ill. Fifth wheel locking means. 2,610,862, Sept. 16.

Braund, John J., Washington, D. C. Apparatus for charting geographical profile. 2,589,923, Mar. 18.

Brauner, Ernest, St. Louis, and M. J. Denning, St. Charles, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Electric iron. 2,589,040, Mar. 11.

Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Prefocused headlamp bulb mounting. 2,610,290, Sept. 9.

Braunstein, Raymond Jr.: *See*—
Waber, Donald, and Braunstein.

Braunwalder, John, Glendale, and E. Meyer, Los Angeles, Calif.: said Braunwalder assignor to said Meyer. Food chopper. 2,582,475, Jan. 15.

Braverman, Irving L., Brooklyn, N. Y. Garment bag. 2,606,636, Aug. 12.

Bray, Arthur, Sacramento, Calif. Lubricator. 2,593,972, Apr. 22.

Bray, Ellis E., Cedar Hill, Tex. Fluorometer for measurement of fluorescence of uneven surfaces. 2,593,391, Apr. 15.

Bray, Malcolm D., Noblesville, assignor to Eli Lilly and Company, Indianapolis, Ind. Methylation of curare. 2,581,903, Jan. 8.

Bray, Malcolm D., Noblesville, assignor to Eli Lilly and Company, Indianapolis, Ind. Solutions of barbituric compounds. 2,605,209, July 29.

Braybrook, Victor W., Hounslow, England. Sash construction. 2,589,924, Mar. 18.

Brazukas, Joseph A., Gary, Ind. Flexible joint. 2,587,962, Mar. 4.

Breakey, Norman J., Toronto, Ontario, Canada. Price tag or ticket holder. 2,592,386, Apr. 8.

Breakiron, Harold M., Washington, D. C. Lamp stand and tripod. 2,611,571, Sept. 23.

Brearton, John L., Savanna, Ill. Film loading guide. 2,608,357, Aug. 26.

Breaux, Nell T., Houston, Tex. Packer for wells. 2,600,468, June 17.

Brenzenic, James H., Jr., St. Louis, Mo. Airplane with detachable fuselage. 2,597,563, May 20.

Brecht, Frederich L., San Francisco, Calif. Expansible bracelet. 2,591,778, Apr. 8.

Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive structure. 2,610,585, Sept. 16.

Brechting, Alfred P.: *See*—
Vanden Bos, Donald, and Brechting.

Breck, Luther A., Jr., Wellesley, assignor to Bandwagon Manufacturing, Inc., Boston, Mass. Bird feeder. 2,591,126, Apr. 1.

Breckenridge, Frank, assignor to Automatic Washer Company, Newton, Iowa. Appliance handle joint. 2,580,725, Jan. 1.

Brecknell, Munro & Rogers Limited, assignee: *See*—
Dolman, Henry J.

Breda, Inc., assignee: *See*—
Koster, Curtis M.

Bredehoft, Harold A., Millington, and M. S. Richardson, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringer. 2,590,500, Mar. 25.

Breden, Calvin R.: *See*—
Stammer, William C., and Breden.

Breeden, Francis C.: *See*—
Bohlke, Paul G., and Breeden.

Breeden, Francis C., Bayside, N. Y., assignor to Sylvania Electric Products Inc. Cathode-ray tube. 2,604,599, July 22.

Breedlove, Harry B.: *See*—
Frazier, Robert L., and Breedlove.

Breedlove, Harry B., Baton Rouge, La. Liquid level and flow control. 2,599,159, June 3.

Breedlove, Harry B., and H. G. Abbott, Baton Rouge, La., assignors to Standard Oil Development Company. Fluid sampling equipment. 2,608,866, Sept. 2.

Breedlove, Sam H., Columbus, Ga. Casting fish reel with level winding mechanism. 2,610,809, Sept. 16.

Breen, Frederick M., White Plains, N. Y. Cosmetic container. 2,588,611, Mar. 11.

Breen, Henry D., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Ventilation control mechanism. 2,587,028, Feb. 26.

Breene, George A.: *See*—
Garratt, Louis D., and Breene.

Breer, Carl, Grosse Pointe, Mich. Route indicator. 2,618,088, Nov. 18.

Breer, Carl, Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,620,678, Dec. 9.

Breer, Henry W.: *See*—
Haynes, Charles L., and Breer.

Brees, Clarence W., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhering fabric to rubber. 2,611,721, Sept. 23.

Breese Burners, Inc., assignee: *See*—
Breese, James L.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Metering valve for liquid fuel burners. 2,585,431, Feb. 12.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pot type burner with overhead feed. 2,586,779, Feb. 26.

Breese, James L., assignor to Breese Burners, Inc., Santa Fe, N. Mex. Portable military burner unit. 2,595,448, May 6.

Breese, Lemuel R., and H. H. Brewer, assignors to The North Electric Manufacturing Company, Galion, Ohio. Supervisory control system safeguard. 2,616,959, Nov. 4.

Breetz, Louis D., Washington, D. C. Jogged wave guide ring type radio-frequency rotary joint. 2,595,186, Apr. 29.

Breeze Corporations, Inc., assignee: *See*—
Picciano, Michael A.
Strunk, Kenith G.

Bréguet, Louis, Paris, France. Apparatus of the gyroplane type. 2,587,104, Feb. 26.

Bréguet, Louis, Paris, France. Power transmission means for coaxial gyroplane rotors. 2,596,363, May 13.

Breguet, Louis, and R. Devillers, Paris, France; said Devillers assignor to said Breguet. Speed and acceleration actuated power plant control means. 2,613,750, Oct. 14.

Brehm, Harold B., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator mode suppression means. 2,593,095, Apr. 15.

Brehob, Edward C., Indianapolis, Ind. Air bleed structure for automatically controlling air and fuel ratio in carburetors at varying engine speeds. 2,609,188, Sept. 2.

Breht, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for folding the ends of a fabric band over the end shoulders of a tire building drum. 2,608,497, Aug. 26.

Breier, Marcus, assignor to Marcus Breier Sons, Inc., Amsterdam, N. Y. Garment construction. 2,614,288, Oct. 21.

Breier, Marcus, Sons, Inc., assignee: *See*—
Breier, Marcus.
Fitch, Albert R.

Breisch, Edgar W., Edgewood, and G. W. McKenna, Penn Township, Allegheny County, Pa., assignors to Westinghouse Air Brake Company. Control apparatus for telephone systems. 2,592,650, Apr. 15.

Breit, Robert J., San Antonio, Tex., and H. C. Schroeder, Parma, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Control valve. 2,588,202, Mar. 4.

Breitenbucher, Harold: *See*—
Counts, Everett T., and Breitenbucher.

Breitenstein, Charles T., assignor of one-half to R. T. Moloney, Chicago, Ill. Movable sheet production-control device with sheet guiding means. 2,600,153, June 10.

Breither, Robert H.: *See*—
Collins, Edward J., Breither and Pearl.
Hooker, Donald E., and Breither.

Breivogel, Philip J.: *See*—
Sondern, Clarence W., and Breivogel.

Brekke, Stanley T., McIntosh, Minn. Adjustable sickle hold-down. 2,601,754, July 1.

Brekle, Oliver R., assignor to M and B Metal Products Company, Birmingham, Ala. Machine for straightening and cutting wire. 2,612,912, Oct. 7.

Brelsford, Clarence A., Grants Pass, Oreg. Center finder and indicator. 2,621,420, Dec. 16.

Brelsford, Harlin A., Haddon Heights, N. J., assignor to Radio Corporation of America. Shaft coupling. 2,590,287, Mar. 25.

Brelsford, Harry E., Hale, Mich., assignor to Diamond Power Specialty Corporation. Multiport water level indicator. 2,603,090, July 15.

Brelsford, Harry W., Santa Barbara, Calif. Sight and action cover for guns. 2,599,689, June 10.

Brelsford, Harry W., Santa Barbara, Calif. Insulated air mattress. 2,620,493, Dec. 9.

Breithaupt, Paul T.: *See*—
Tressler, Donald K., and Breithaupt.

Breman, Frank J., Chicago, Ill. Continuous feeder. 2,583,506, Jan. 22.

Bremer, Fred H., Nanuet, N. Y. Extensible garment hanger. 2,620,102, Dec. 2.

Bremer, Frederick J., Hamilton, and G. J. Bauer, Cincinnati, assignors to The Mosler Safe Company, Hamilton, Ohio. Safe lock. 2,609,679, Sept. 9.

Bremer, Norman C., assignor to Morse Chain Company, Ithaca, N. Y. Guide link for silent chains. 2,602,344, July 8.

Bremer, Robert D., assignor to General Motors Corporation, Dayton, Ohio. Electrical heating unit. 2,618,731, Nov. 18.

Bremer, Rudolf C., Zurich, Switzerland. Forming flexible endless tubes. 2,589,041, Mar. 11.

Bremer, Rudolf C., Zurich, Switzerland. Apparatus for making flexible endless tubes. 2,617,335, Nov. 11.

Brenchley, George S., and S. Gorwitz, Oshkosh, Wis. Automatic slide projector. 2,584,421, Feb. 5.

Breneman, Chas. W., Co., The, assignee: *See*—
Judd, Charles M.

Brenholdt, Irving R., assignor to Standard Oil Company, Chicago, Ill. Pipe line cleaner and locator. 2,601,248, June 24.

Brenholdt, Irving R., assignor to Standard Oil Company, Chicago, Ill. Pipe line scraper and location transmitter. 2,601,249, June 24.

Brenn, Carl W., Montclair, assigner to Autographic Register Company, Hoboken, N. J. Manifolding. 2,605,120, July 29.

Brennan, Elmer W., and N. D. Williams, assignors to The Pure Oil Company, Chicago, Ill. Detergent oil composition and the method for its preparation. 2,582,958, Jan. 22.

Brennan, Ethel E., Billings, Mont. Tieback for curtains and drapes. 2,620,870, Dec. 9.

Brennan, Frank, Elizabeth, N. J. Lure holder for fishermen. 2,583,680, Jan. 29.

Brennan, John E., Chicago, Ill. Artificial denture and retainer therefor. 2,599,044, June 3.

Brennan, Joseph B., Bratenahl, Ohio. Bonding steel to silver. 2,580,652, Jan. 1.

Brennan, Joseph B., Bratenahl, Ohio, assignor to E. D. McCurdy, trustee. Screen stencil. 2,592,789, Apr. 15.

Brennan, Joseph B., Bratenahl, Ohio. Preparing a blank for a conically shaped diaphragm. 2,596,364, May 13.

Brennan, Joseph B., Bratenahl, Ohio. Electrolytic cell sealing means. 2,602,832, July 8.

Brennan, Joseph B., Bratenahl, Ohio, assignor to E. D. McCurdy, trustee. Electrode and terminal assembly for electrolytic devices and making same. 2,604,517, July 22.

Brennan, Joseph B., Bratenahl, Ohio, assignor to E. D. McCurdy, trustee. Electrode for electrolytic devices and making same. 2,616,165, Nov. 4.

Brennan, Joseph B., Cleveland, Ohio. Electrode and electrolytic condenser. 2,580,399, Jan. 1.

Brennan, Joseph B., Cleveland, Ohio. Making compact metal strip and electrode produced therefrom. 2,582,744, Jan. 15.

Brennan, Joseph B., Cleveland, Ohio. Electrode and making same. 2,584,980, Feb. 12.

Brennan, Joseph B., Cleveland, Ohio. Making acoustic diaphragms. 2,596,645, May 13.

Brennan, Joseph B., Cleveland, Ohio. Electrolytic cell. 2,602,843, July 8.

Brennan, Joseph B., Cleveland, Ohio. Storage battery electrode. 2,610,220, Sept. 9.

Brennan, Joseph B., Cleveland, Ohio. Making loud-speaker diaphragms. 2,619,012, Nov. 25.

Brennan, Joseph H., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Ferrochrome-silicon-aluminum alloy. 2,608,482, Aug. 26.

Brennan, Robert M., Cleveland, Ohio. Apparatus for making metal strips. 2,598,344, May 27.

Brenneke, Arthur M., New Castle, assignor to Perfect Circle Corporation, Hagerstown, Ind. Cylinder bore contour gauge. 2,621,416, Dec. 16.

Brenneman, Walter E., York, Pa. Hood hinge spring remover. 2,589,042, Mar. 11.

Brenner, Ivan G.: *See*—
Stream, Ralph M., and Brenner.

Brenner, John, Los Angeles, and J. C. Nyberg, North Hollywood, Calif.; said Nyberg assignor to said Brenner. Pocket name imprinter. 2,623,460, Dec. 30.

Brenner, Ivan G., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for making glass fiber textile slivers. 2,607,167, Aug. 19.

Brenner, Ray A., and M. J. Planeaux, assignors, by mesne assignments, to New Castle Products, Inc., New Castle, Ind. Foldable closure. 2,584,111, Feb. 5.

Brent, Allen D., assignor to Southern Fertilizer & Chemical Company, Savannah, Ga. Longitudinally and transversely adjustable conveyer. 2,609,076, Sept. 2.

Brepson, Roland: *See*—
Drisch, Nicolas, and Brepson.

Brereton, Christopher F., assignor to Vickers-Armstrongs Limited, London, England. Hoist for conveying loads to moving platforms. 2,587,690, Mar. 4.

Brereton, Christopher F., assignor to Vickers-Armstrongs Limited, London, England. Gun loading mechanism. 2,592,790, Apr. 15.

Bresciani, Peter J., New York, N. Y. Machine for assembling and securing parts. 2,602,562, July 8.

Breslav, Jack, New Haven, Conn. Grapple. 2,618,502, Nov. 18.

Breslav, Jack, New Haven, Conn. Grapple. 2,623,776, Dec. 30.

Bresnahan, James E., Fitzsimons, Colo. Grooving attachment for resawing machines. 2,596,365, May 13.

Bretcher, Fred C.: *See*—
Gardner, Ray D., Jr., and Bretcher.

Bretschneider, Curt, Philadelphia, Pa. Individually swingable driven axle. 2,612,231, Sept. 30.

Bretschneider, Curt, Philadelphia, Pa. Clutch operator. 2,621,524, Dec. 16.

Brett, Robert J.: *See*—
Woznuk, Edward A., and Brett.

Brettell, George A., Jr.: *See*—
Hisserich, Charles A., and Brettell.

Bretton, René, Saint-Etienne, assignor to Etablissements Vermot-Gaud & Cie, Montlebon-Morteau, France. Stock and barrel connection in guns. 2,598,885, June 3.

Bretz, Frank E., Jr., Oak Park, assignor to Ajax-Consolidated Company, Chicago, Ill. Hand brake for railway cars. 2,620,681, Dec. 9.

Breuer Electric Manufacturing Company, assignee: *See*—
Breuer, Grant W., Drewes, and Lambeau.
Breuer, Grant W., and Lanter.
Drewes, Menks, Jr., and Lambeau.

Breuer, Frederick W., Lititz, and D. T. Zentmyer, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Treatment of montan wax. 2,586,780, Feb. 26.

Breuer, Grant W., Northbrook, and C. W. Lanter, Bartlett, assignors to Breuer Electric Manufacturing Company, Chicago, Ill. Draft applying tool for portable motor-blower units. 2,586,145, Feb. 19.

Breuer, Grant W., Northbrook, and C. W. Lanter, Bartlett, assignors to Breuer Electric Mfg. Company, Chicago, Ill. Manually supported blower for cleaning floors and the like. 2,598,499, May 27.

Breuer, Grant W., Wilmette, M. Drewes, Jr., and E. Lambeau, assignors to Breuer Electric Manufacturing Company, Chicago, Ill. Coupling for brush backs. 2,607,603, Aug. 19.

Breuer, Vladimir, Flushing, N. Y. Window. 2,593,258, Apr. 15.

Breuer, William R. H., St. Albans, N. Y. Fishing device. 2,594,387, Apr. 29.

Breuers, Theo P. C., and T. H. Linthout, Venlo, Netherlands, assignors to Chemische Fabriek L. Van Der Grinten. Exposure apparatus for photographic contact printing on rotary cylinders. 2,600,469, June 17.

Breuers, Theo P. C., and T. H. Linthout, Venlo, Netherlands, assignors to Chemische Fabriek L. Van Der Grinten. Automatic exposure apparatus for making photographic prints. 2,600,470, June 17.

"Brevets Aero-Mecaniques," S. A., assignee: *See*—
Kuyvenhoven, Arend W.
Maillard, Bernard.

Brew, Lewis J., Rochester, N. Y. Door and window trim. 2,582,765, Jan. 15.

Brewen, William M., San Jose, Calif. Frame for vehicles. 2,589,043, Mar. 11.

Brewer, Alan W., Oxford, and C. A. Jarman, Westminster, London, England. Apparatus for the measurement of magnetic fields. 2,606,229, Aug. 5.

Brewer, Alexander F., Lynbrook, N. Y., assignor to The Sperry Corporation. Ultrahigh-frequency apparatus. 2,587,590, Mar. 4.

Brewer, Carlos W., Fort Worth, Tex. Bun forming machine. 2,580,726, Jan. 1.

Brewer, Gene L., Washington, D. C. Electronic diplex keyer. 2,611,034, Sept. 16.

Brewer, Howard H.: *See*—
Breese, Lemuel R., and Brewer.

Brewer, Robert F., Quakertown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for coating beads. 2,597,613, May 20.

Brewer, Robert F., Quakertown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for severing metallic material. 2,621,277, Dec. 9.

Brewer, Robert F., Quakertown, and C. W. Henderson, Emmaus, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y. Material ejecting and feeding apparatus. 2,587,284, Feb. 26.

Brewer, Stuart D., Burnt Hills, N. Y., assignor to General Electric Company. Preparation of phenyltrichlorosilane. 2,594,860, Apr. 29.

Brewer, Stuart D., Burnt Hills, N. Y., assignor to General Electric Company. Preparing organohalogenosilanes. 2,600,198, June 10.

Brewer-Titchener Corporation, The, assignee: *See*—
Card, Charles S.

Brewer, Wilbur A., Los Angeles, Calif. Drawer construction. 2,587,691, Mar. 4.

Brewster, Albert, assignor of one-fourth to J. M. Rutter, one-fourth to F. W. Fitzgerald, Sr., Bowling Green, and one-fourth to C. L. Davis, Perry, Mo. Gear box. 2,591,127, Apr. 1.

Brewster, Donald B.: *See*—
Gollwitzer, Walter T., and Brewster.

Brewster, Franklin C., Franklin Park, assignor to Motorola, Inc., Chicago, Ill. Identifying marker using dichromatic material. 2,619,932, Dec. 2.

Brewster, Oswald C., Litchfield, Conn. Automatic force-balance system. 2,588,800, Mar. 11.

Brewster, Oswald C., Litchfield, Conn. High-speed rotor. 2,603,539, July 15.

Brewster, William H., Spokane, Wash. Extensible scaffold. 2,600,199, June 10.

Breyer Ice Cream Company, assignee: *See*—
Tardiff, Roy O.

Breyfogle, Roy H., assignor to Alton Box Board Company, Alton, Ill. Cylinder papermaking machine. 2,609,732, Sept. 9.

Breyfogle, Roy H., and R. F. Hollis, assignors to Alton Box Board Company, Alton, Ill. Cylinder type paper machine. 2,590,288, Mar. 25.

Březek, Rudolf, Prague-Smichov, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia. Rear fender accommodation of radiator for rear engine vehicles. 2,581,072, Jan. 1.

Březek, Rudolf, Prague-Smichov, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia. Air inlet structure for the engine compartment of streamlined vehicles having rear engines. 2,585,220, Feb. 12.

Briant, Raymond C., Baltimore, Md., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Chlorination of butadiene polymers and copolymers. 2,581,927, Jan. 8.

Brice, Loyd J., Portland, Oreg. Holster. 2,601,586, June 24.

Brice, Thomas J.: *See*—
Simons, Joseph H., and Brice.

Brichard, Edgard: *See*—
Henry, Georges, Brichard, and Delacuvellerie.

Brichard, Edgard, Jumet, assignor to Union des Verreries Mecaniques Belges, S. A., Charlerol, Belgium. Apparatus for loading and conveying glass sheets. 2,601,929, July 1.

Brickler, Andrew R., Atlanta, Ga. Mechanical edging and grooving tool. 2,617,336, Nov. 11.

Brickman, Alan E., Worcester, Mass., assignor to United States Steel Company. Heat transfer unit. 2,620,170, Dec. 2.

Brickman, Herman, New York, N. Y. Shoe display form. 2,602,943, July 15.

Bricout, Marie L., Ballseul, Luxembourg. Sealed metallic container. 2,619,255, Nov. 25.

Bridenbaugh, Paul K., and F. A. Jansen, assignors to Webster-Chicago Corporation, Chicago, Ill. Record adapter. 2,585,622, Feb. 12.

Bridevaux, Georges, assignor to Tavannes Watch Co. S. A., Tavannes, Switzerland. Overwinding preventer. 2,599,161, June 3.

Bridevaux, Georges, assignor to Tavannes Watch Co. S. A., Tavannes, Switzerland. Automatic winding timepiece. 2,623,349, Dec. 30.

Bridge, Edward W., Philadelphia, Pa. Machine for filling containers with semiliquid products. 2,605,948, Aug. 5.

Bridge, Richard B.: *See*—
Von Wald, Walter A., Jr., Marshall, and Bridge.

Bridgefield, Guillermo P., Mexico City, Mexico. Axially movable rotary plug. 2,612,341, Sept. 30.

Bridgeman, Reather H., assignee: *See*—
Hardee, Daniel B.

Bridgeman, Walter A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Composition for killing weeds. 2,580,653, Jan. 1.

Bridgeport Brass Company, assignee: *See*—
Brown, Gregory.
Efford, John T.
Hiertz, Arthur J.
Loven, Nils O., and Efford.
Mayer, Charles H.
Tuttle, Wainwright, and Loven.

Bridges, E. T., assignee: *See*—
Cole, Joseph B.

Bridges, Jack E., Cicero, Ill., assignor to Zenith Radio Corporation. Self-sustaining sawtooth current generator. 2,591,914, Apr. 8.

Bridges, Jack E., Cicero, Ill., assignor to Zenith Radio Corporation. Synchronized oscillator circuit. 2,593,005, Apr. 15.

Bridges, Jack E., Chicago, Ill., assignor to Zenith Radio Corporation. Television size-control circuit. 2,606,306, Aug. 5.

Bridges, John H., Atlanta, Ga., assignor to National Inventions Corporation. Fluorescent tube lighting system and apparatus. 2,611,885, Sept. 23.

Bridges, John H., Fairburn, Ga., assignor to National Inventions Corporation. Luminescent tube system and apparatus. 2,615,067, Oct. 21.

Bridges, Robert, New Rochelle, assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of carbon dioxide. 2,593,530, Apr. 22.

Bridges, Robert G., San Carlos, Calif. Roller screen. 2,595,508, May 6.

Bridgewater Machine Tool Co., The, assignee: *See*—
Kiehl, Arthur H.

Bridwell, Gail L., Santa Ana, Calif. Portable power saw guide and supporting means. 2,596,524, May 13.

Bridwell, John W., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. One-way band brake. 2,596,203, May 13.

Bridwell, John W., and M. M. Coker, assignors to Caterpillar Tractor Co., Peoria, Ill. Automatic flow control mechanism for hydraulic power circuit. 2,621,478, Dec. 16.

Briechle, Ambrosius, Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Copy table for document photographing machines. 2,608,407, Aug. 26.

Brieghel-Müller, Arne V., Gentofte, assignor to Aktieselskabet De Danske Sukkerfabrikker, Copenhagen, Denmark. Defecating process and apparatus. 2,610,929, Sept. 16.

Briem, Eggert V., Forty Fort, Pa. Loop forming device for stitch forming mechanism. 2,599,226, June 3.

Brière, Jean, Vichy, France. Apparatus for sound recording and reproduction on films. 2,600,471, June 17.

Brierly, Ralph C.: *See*—
Bonvillian, Claude A., Brierly, and Letvin.

Brierly, Ralph C., Narberth, Pa. Boiler. 2,609,798, Sept. 9.

Briggs, Arthur T., South Williamsport, Pa., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Fuel and combustion supporting medium control for turbine engine starters using excess fuel for cooling. 2,611,239, Sept. 23.

Briggs, Ben T., assignor to Rayonier Incorporated, Shelton, Wash. Wood pulp digestion. 2,583,994, Jan. 29.

Briggs Filtration Company, The, assignee: *See*—
Briggs, Southwick W., Bauer, and Ewbank.

Briggs, George, assignor to B. V. C. Electronics Developments Limited, London, England. Remote control device. 2,593,973, Apr. 22.

Briggs, Henry, East Orange, N. J. Fracture reducing device. 2,621,653, Dec. 16.

Briggs Manufacturing Company, assignee: *See*—
Doty, Clifford B.
Doty, Clifford B., Vigmostad, and Nusbaum.
Lyijynen, Fred.
Koppinger, Nicholas G.
Vigmostad, Trygve.
Weymouth, Lawrence B.
Zummach, Karl G.

Briggs, Martin L., Oakland, Calif. Power tool. 2,588,477, Mar. 11.

Briggs, Robert F., Los Angeles, and R. J. Moore, Long Beach, assignors to Eject-O-Lette Mfg. Co., Downey, Calif. Portable batter dispenser. 2,609,764, Sept. 9.

Briggs, Robert L., Jr., San Gabriel, assignor to H and H Products Mfg. Co., Los Angeles, Calif. Reconditioning and charging batteries. 2,619,624, Nov. 25.

Briggs, Southwick W., Bethesda, Md. Oil separator. 2,608,269, Aug. 26.

Briggs, Southwick W., Washington, D. C., W. C. Bauer, Chevy Chase, and W. J. Ewbank, said Ewbank and said Bauer assignors to The Briggs Filtration Company, Bethesda, Md. Dehydration unit. 2,583,812, Jan. 29.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.
Madlé, Alain M.

Briggs, Thomas H., Jr., Norristown, assignor to Superior Tube Company, Philadelphia, Pa. Tubular metal-to-glass sealing construction. 2,596,758, May 13.

Briggs, Vernon R., Pasadena, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Frequency discriminating circuit. 2,585,532, Feb. 12.

Briggs, William D., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Depth measurement microscope. 2,607,270, Aug. 19.

Brigham, Roger L., Dallas, and A. Shelton, Denison, Tex. Cut film adapter for serial photography for photographic cameras. 2,602,386, July 8.

Brigham, Ward E., Jr.: *See*—
Chilson, Charles W., and Brigham.

Brigham, Ward E., Jr., Rutherford, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Sheet controlled tripping mechanism for rotary printing presses. 2,609,748, Sept. 9.

Bright, Cooper B., United States Navy. Free piston combustion engine. 2,584,981, Feb. 12.

Bright, Cooper B., United States Navy. Combined fluid motor and expansible gas engine. 2,601,756, July 1.

Bright, Cooper B., United States Navy. Linkage means. 2,611,282, Sept. 23.

Bright, Donald C.: *See*—
Murray, Peter R., and Bright.

Bright, Fannie M., assignee: *See*—
Moore, Caleb L.

Bright, Fred A., assignee: *See*—
Moore, Caleb L.

Bright, Thomas J. R., Allesley, near Coventry, England. Weather strip. 2,620,524, Dec. 9.

Brightly, Frederick C., Jr., Chicago, and J. F. Herbert, La Grange, Ill. Galvanized muffler with concavo-convex baffles. 2,598,756, June 3.

Brightman, John B.: *See*—
Lee, Walter A., and Brightman.

Brighton, Cyril A., Penarth, Wales, and D. Faulkner, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Stabilization of vinylidene chloride resins. 2,595,636, May 6.

Brightwell, Doreen W., Rugby, assignor to R. E. Cooper, Mountsorrel, England. Projector with rotatable picture drum and magnetic braking means. 2,589,530, Mar. 18.

Brill, Edward F., and O. W. Schroeder, Milwaukee, Wis. Article ejector and stop means. 2,598,156, May 27.

Brill, Warren E., Haddon Heights, N. J. Flame method of cutting metal. 2,582,946, Jan. 22.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Engine cooling and lubricating system. 2,609,799, Sept. 9.

Brill, William E., and C. W. Junge, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Compressor apparatus. 2,620,124, Dec. 2.

Brillhart, William O., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Anti-sticking cellulose pellicles. 2,621,135, Dec. 9.

Brinen, Paul F., assignor to Young Radiator, Racine, Wis. Convector core hanger. 2,599,891, June 10.

Briner, Edwin A., Seattle, Wash. Can punch. 2,621,401, Dec. 16.

Briney, James W., assignee: *See*—
Briney, Ottis R., Jr.

Briney, Ottis R., Jr., Pontiac, Mich., assignor of one-half to J. W. Briney. Boring bar and cutter. 2,618,990, Nov. 25.

Briney, Robert M., Douglaston, N. Y., assignor to Union Carbide and Carbon Corporation. Solid phase production of a disilicide. 2,619,406, Nov. 25.

Brinig, Frank G., assignor to Erie City Iron Works, Erie, Pa. Boiler with combustion air-cooled superheater. 2,623,507, Dec. 30.

Brink, Earle H., Kenmore, assignor to Western Electric Company, Incorporated, New York, N. Y. Die mechanism for wire coating apparatus. 2,591,505, Apr. 1.

Brink, Herbert S., Olean, assignor to Underwood Corporation, New York, N. Y. Repeat type action for typewriters and like machines. 2,600,200, June 10.

Brink, Norman G.: *See*—
Koniuszy, Frank R., Brink, and Folkers.

Brink, Norman G., Plainfield, and F. J. Wolf, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Benzyl alcohol-water countercurrent distribution extraction of vitamin B_{12}. 2,607,717, Aug. 19.

Brink, Norman G., Princeton, and T. R. Wood, Murray Hill, assignors to Merck & Co., Inc., Rahway, N. J. Recovery of vitamin B_{12} from liver. 2,609,325, Sept. 2.

Brink, Robert M., Pelham, assignor to Deering Milliken Research Trust, New York, N. Y. Electronic circuit. 2,617,858, Nov. 11.

Brinkema, Robert J., Kew Gardens, N. Y., assignor, by mesne assignments, to Koppers Company, Inc. Producing cellular resinous compositions. 2,582,228, Jan. 15.

Brinkhurst, William A., Vancouver, British Columbia, Canada. Screw feed mechanism. 2,611,280, Sept. 23.

Brinkman, Herbert C., and K. R. Weber, assignors to Stacey Bros. Gas Construction Company, Cincinnati, Ohio. Gasholder. 2,596,066, May 6.

Brinkmann, Guenther, assignor to Ex-Cell-O Corporation, Detroit, Mich. Boring machine. 2,613,554, Oct. 14.

Brinkoeter, Paul H., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Open top frozen food refrigerator. 2,613,508, Oct. 14.

Brinkoeter, Paul H., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Refrigerator door locking and opening mechanism. 2,613,973, Oct. 14.

Brinson, Harry A., and E. D. Faatz, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Spark plug and making the same. 2,612,151, Sept. 30.

Brinton, Curt H., New York, N. Y. Vial and applicator therefor. 2,623,229, Dec. 30.

Brinton, Esme T. C.: *See*—
Lemon, Cecil G., and Brinton.

Brinton, H., Co., assignee: *See*—
Longtin, William J.

Briscoe, Hugh V., and R. C. Byng, assignors to Grant Production Company Limited, London, England. Episcopic optical projection apparatus. 2,583,409, Jan. 22.

Briscoe, Madison H., assignor of one-third to E. B. Hudson, one-third to N. H. Thompson, Jr., and one-third to M. H. Briscoe, partners, doing business as The Circular Banding Co., Athens, Ga. Yarn twist distributing machine. 2,586,294, Feb. 19.

Briscoe, Robert G., Sulphur, Okla. Mechanical refrigerating apparatus. 2,610,480, Sept. 16.

Briscoe, William D., Stevenson, Ala. Portable heating cover. 2,602,874, July 8.

Briscoe, William F. R.: *See*—
Hulswit, William H., Jr., Briscoe, and Berry.

Briskin, Theodore S., Santa Monica, Calif., assignor to Excel Auto Radiator Company, Chicago, Ill. Reignition means for combustion heaters. 2,585,221, Feb. 12.

Briskin, Theodore S., assignor to Revere Camera Company, Chicago, Ill. Electric actuator. 2,606,257, Aug. 5.

Briskman, Samuel, assignee: *See*—
Sherr, Sava I.

Brissey, George E., assignor to Swift & Company, Chicago, Ill. Preparing cooked cured meats. 2,596,067, May 6.

Brissey, George E., Chicago, and H. H. Young, Western Springs, assignors to Swift & Company, Chicago, Ill. Acid cleaner and detergent. 2,593,259, Apr. 15.

Brister, Paul M., Madison, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Liquid recovery apparatus. 2,610,986, Sept. 16.

Bristol Aeroplane Company Limited, The, assignee: *See*—
Fonseca, Evelyn C. M. D., and Green.
Hafner, Raoul.
Hobbs, Dudley E.
Marchant, Francis C. I.
Marchant, Francis C. I., and Lewis.
Owner, Frank M., Mansell, and Marchant.

Bristol Company, The, assignee: *See*—
Cowherd, Robert D.
Fleming, John G.
Witham, George S.

Bristol, John E., Niagara Falls, and N. Turnbull, Grand Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion polymerization of vinyl acetate. 2,614,088, Oct. 14.

Bristol Laboratories, Inc., assignee: *See*—
Buckwalter, Frank H.
Cheney, Lee C.
Cooper Douglas E.
Granatek, Alphonse P.
Staab, Frank W.

Bristol Manufacturing Corporation, assignee: *See*—
Pearson, Roland R.

Bristol Pneumatic Tools Limited, assignee: *See*—
Wescombe, Hugh C.

Bristol Repetition Limited, assignee: *See*—
Arengo, Christopher G.

Bristol Steel & Iron Works, Inc., assignee: *See*—
Ferguson, Robert O.

Bristow, Mary: *See*—
Carter, Ronald J., and Bristow.

Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Auxiliary speed control mechanism for knitting machines. 2,587,816, Mar. 4.

Bristow, Paul W., Laconia, N. H., assignor to Scott & Williams, Incorporated. Knitting machine. 2,604,767, July 29.

Britcher, Charles W., Glen Ridge, N. J., assignor to Craig Corporation. Dry spray equipment. 2,614,528, Oct. 21.

British Artificial Resin Company Limited, assignee: *See*—
Fischbein, William J.

British Celanese Limited, assignee: *See*—
Downing, John, and Drewitt.
Eccles, Thomas, and Halkyard.
Ellison, Thomas, and Leuty.
Groombridge, Walter H., Bates, and Fisher.
Hawtin, Phillip R.
Kleinschrod, Friedrich G., and Fisher.
Mann, Ralph J., and Biedawski.
Martin, Robert.
Taylor, Matthew M., and Fulton.
British Cellophane Limited, assignee: *See*—
Oswin, Charles R.
British Cotton Industry Research Association, The, assignee: *See*—
Freeman, Sydney M., and Linnert.
Gregory, James, Foster, and Catling.
Jones, Eric H., and Shorter.
Vincent, John J., and Davies.
British Cotton & Wool Dyers' Association Limited, The, assignee: *See*—
Cunliffe, Percy W., Sharp, and Ashworth.
British Electric Resistance Company Limited, The, assignee: *See*—
Newnham, Leonard A.
British Industrial Plastics Limited, assignee: *See*—
Groves, Walter R.
British Industrial Solvents Limited, assignee: *See*—
Chadwick, Eric.
Cooper, Leslie E., and Lacey.
British Insulated Callender's Cables Limited, assignee: *See*—
Dixon, Henry J.
Grieve, George T. W.
King, Albert.
Richardson, Arthur B. F. G., Tunnicliff, and Fisher.
British Iron and Steel Research Association, The, assignee: *See*—
Bailey, William H.
Carlisle, Samuel S., and Smith.
Watson, James D., and Carlisle.
British Mechanical Productions Limited, assignee: *See*—
Deakin, Stanley T.
Grieve, George T. W.
British Non-Ferrous Metals Research Association, assignee: *See*—
Bailey, Gordon L. J., and Watkins.
British Optical & Precision Engineers Limited, assignee: *See*—
Robertson, Robert.
British Oxygen Company, The, assignee: *See*—
Schuftan, Paul M., and Roberts.
British Resin Products Limited, assignee: *See*—
Evans, Edward M., and Whitney.
Evans, Edward M., and Wicking.
British Ropeway Engineering Company, Limited, assignee: *See*—
Shields, Herbert F. H.
British Soya Products Limited, assignee: *See*—
Learmonth, Eric M.
British Telecommunications Research Limited, assignee: *See*—
Baker, George T.
Beaufoy, Raymond.
Bellairs, Guy F., and Ireland.
Dain, Gordon T.
Holloway, Dennis G.
Walmsley, Thomas, and Leigh.
British Tricolour Processes Limited, assignee: *See*—
Coote, Jack H., and Murray.
British Tube Mills (Australia) Proprietary Limited, assignee: *See*—
Holmes, Leslie, and Harris.
British Vacuum Flask Company, Limited, The, assignee: *See*—
Venis, Ernest.
Britt, Edwin H., Raleigh, N. C., assignor, by mesne assignments, to Harris Foundry and Machine Company, Cordele, Ga. Bottle or container inspection apparatus. 2,612,815, Oct. 7.
Britt, Herbert E., Los Angeles, Calif. Producing artificial snow. 2,594,725, Apr. 29.
Brittain, Francis H., Pinner, C. E. Ransley, Wembley, and J. W. Ryde, Northwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Crystal contacts of which one element is silicon. 2,583,681, Jan. 29.
Brittain, Francis H., and E. G. James, Pinner, assignors to The General Electric Company, Limited, London, England. Crystal rectifier. 2,588,956, Mar. 11.
Brittain, John W.: *See*—
Hatch, James F., and Brittain.
Britten, Edwin F., III, Cranford, N. J. Grass trimmer. 2,597,774, May 20.
Brittin, Edward B., Washington, D. C. Self-sustaining scaffold. 2,611,657, Sept. 23.
Britton, Edgar C., and J. D. Head, assignors to The Dow Chemical Company, Midlands, Mich. Dehalogenation of aromatic compounds. 2,590,813, Mar. 25.
Britton, Edgar C. and H. C. White, assignors to The Dow Chemical Company, Midland, Mich. Production of beta-(3,4-dihydroxy-phenyl)-alanine. 2,605,282, July 29.
Britton, Edgar C., and R. M. Tree, Jr., assignors to The Dow Chemical Company, Midland, Mich. Bromination of aromatic compounds. 2,607,802, Aug. 19.
Britton, Edgar C., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Glycol ethers of alpha-phenylethyl alcohol. 2,620,359, Dec. 2.
Britton, Edgar C., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of glycol ethers. 2,620,360, Dec. 2.
Britton, Edgar C., Midland, Mich., and J. N. Hansen, Aibert Lea, Minn., assignors to The Dow Chemical Company, Midland, Mich. Pyridinium quaternary ammonium compounds. 2,621,185, Dec. 9.
Britton, Glenn B., Hannibal, assignor to International Shoe Company, St. Louis, Mo. Spring loaded roller assembly. 2,617,509, Nov. 11.
Britton, Karl B., Bratenahl, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve assembly. 2,602,627, July 8.
Britton, Karl B., Bratenahl, Ohio. Hydraulic system actuator. 2,607,194, Aug. 19.
Brixius, Jacob K.: *See*—
Hanneman, Robert G., and Brixius.
Brixius, Jacob K., assignor to Air-Maze Corporation, Cleveland, Ohio. Stack-type oil bath filter. 2,596,121, May 13.
Brixius, Jacob K., and R. G. Hanneman, assignors to Air-Maze Corporation, Cleveland, Ohio. High-capacity oil bath filter. 2,598,673, June 3.
Broadbent, David T.: *See*—
Belsey, Frederick H., and Broadbent.
Broadbent, John H., Washington, D. C., and H. R. Mitchell, Takoma Park, Md., assignors to United States of America as represented by the Secretary of the Navy. Altimeter control of servo system. 2,580,512, Jan. 1.
Broadbent, Joseph R., assignee: *See*—
Johnston, Virgil S.
Broadhurst, Charles J., Oxford, England. Loose-leaf binder. 2,590,928, Apr. 1.
Broadhurst, Stanley F., Southgate, London, England, assignor to A. B. Wicanders Korkfabriker, Linkoping, Sweden. Apparatus for filling bottles or the like with liquid. 2,607,521, Aug. 19.
Broadman, Arthur R., assignor to Heyden Chemical Corporation, New York, N. Y. Apparatus for the continuous production of water gas. 2,581,575, Jan. 8.
Brobeck, William M., Berkeley, Calif. Variable-speed transmission. 2,584,541, Feb. 5.
Brobeck, William M., Berkeley, and J. G. Dorward, Jr., Albany, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Adjustable Venturi assembly. 2,606,573, Aug. 12.
Broberg, Georg K. J., Solna, assignor to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Arrangement for locking and unlocking a pulling member in different positions. 2,581,235, Jan. 1.
Broberg, Walter O. W.: *See*—
Virgen, Sten D., Broberg, and Olsson.
Brock, Enes H., assignee: *See*—
Brock, Hinton D.
Brock, George D., Chicago, Ill. Electrically heated implement. 2,600,472, June 17.
Brock, Harold A., Smithflat, Calif., assignor, by mesne assignments, to Capital Industries, Inc., Portland, Oreg. Pruning and picking platform implement. 2,606,078, Aug. 5.
Brock, Harold L.: *See*—
Spurlin, William G., and Brock.
Brock, Hinton D., Cocoa, Fla., assignor of one-quarter to E. H. Brock, Gulfport, Miss., and ten percent to W. L. Bowers, Cocoa, Fla. Pivot for piler type tools. 2,614,894, Oct. 21.
Brock, Irvin A., assignee: *See*—
Hill, Glenn.
Brock, John B.: *See*—
Holt, Marcus L., and Brock.
Brock, Walter B., Vernon, N. Y. Fire tube furnace with flue gas turbulator. 2,591,398, Apr. 1.
Brockett, Glenn F., assignor to Fisher Governor Company, Marshalltown, Iowa. Snap acting pneumatic pressure pilot. 2,596,366, May 13.
Brockett, Halford E.: *See*—
Maier, Curtis E., Minnear, and Brockett.
Brocklehurst, George: *See*—
Loslewicz, Edward, and Brocklehurst.
Brockley, Jacob, Newport News, Va. Scissor sharpener. 2,585,623, Feb. 12.
Brockman, Carl L.: *See*—
Eshenaur, Ray E., and Brockman.
Brockman, Clarence E., assignee: *See*—
Scott, Ray R.
Brockman, Clarence E., Strafford, Mo. Handle means and support structure for power lawn mowers. 2,592,856, Apr. 15.
Brockman, Frank, Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Magnetic core. 2,600,473, June 17.
Brockway Company, The, assignee: *See*—
Richardson, James C.
Brockway, Murillo M., Los Angeles, Calif. Window well for coach bodies. 2,608,434, Aug. 26.
Brockway, Wilhelm W.: *See*—
Borsum, Adolph W., and Brockway.

Brodal, Erling, and H. Guldbav, Hoyanger, assignors to Aktieselskapet Norsk Aluminum Company, Oslo, Norway. Manufacture of alkali aluminum fluoride. 2,592,113, Apr. 8.
Brodbeck, Caroline M., Bridgeport, Conn. Ornament. 2,584,254, Feb. 5.
Brodbeck, Maynard B.: *See*—
Lawlor, Francis E., and Brodbeck.
Brodeck, John, West New York, N. J. Collapsible shopping cart. 2,589,044, Mar. 11.
Broden, Edwin N., Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel finishing machine. 2,581,928, Jan. 8.
Broden, Edwin N., Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Machine for mounting and demounting mandrel-held flexible tubes. 2,604,658, July 29.
Broden, Edwin N., Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for packing of ribbon or filamentary material. 2,604,687, July 29.
Broden, Edwin N., Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bushing inserting machine. 2,604,692, July 29.
Broden, Edwin N., Assonet, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Synchronous follower drive for spooler traverses. 2,605,053, July 29.
Broders, Claude E., assignor to Govro-Nelson Company, Detroit, Mich. Hydraulic control for drill feeding units. 2,618,179, Nov. 18.
Brodersen, Ejnar: *See*—
Garde, Aage, and Brodersen.
Broderson, Neil O., Rochester, N. Y. Operating internal-combustion engines. 2,615,437, Oct. 28.
Brodes, William S., New Haven, Conn. Educational toy. 2,590,501, Mar. 25.
Brodhead, James G., and S. P. Roddy, Allen, Tex. Underreamer. 2,621,898, Dec. 16.
Brodhun, John H., Birmingham, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Snap-action valve. 2,610,649, Sept. 16.
Brodie, George H., La Grange, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Telephone repeater. 2,615,997, Oct. 28.
Brodie, George M., Ridgefield, N. J. Safety guard for fluorescent lamps. 2,605,387, July 29.
Brodie, George R., Lower Merion Township, Montgomery County, Pa., assignor to Fred'k H. Levey Co., Inc., New York, N. Y. Method of and apparatus for printing. 2,614,492, Oct. 21.
Brodie, George R., Lower Merion Township, Montgomery County, Pa., assignor to Fred'k H. Levey Co., Inc., New York, N. Y. Printing. 2,614,493, Oct. 21.
Brodie, Ralph N., Company, assignee: *See*—
Berck, William F.
McNeil, Alvin G.
Broding, Robert A., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Magnetic flowmeter. 2,583,724, Jan. 29.
Broding, Robert A., Dallas, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Borehole telemetering. 2,615,956, Oct. 28.
Brodkey, Clara, San Francisco, Calif., assignor of forty per cent to W. V. Vogal, Chicago, Ill., twenty per cent to H. R. Brodkey, and twenty per cent to R. S. Brodkey, San Francisco, Calif. Garment holder. 2,580,885, Jan. 1.
Brodkey, Harold R.: *See*—
Brodkey, Clara.
Brodkey, Robert S., assignee: *See*—
Brodkey, Clara.
Brody, David, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Combined confection and whistle. 2,617,324, Nov. 11.
Brody, Leo: *See*—
Small, Jack, and Brody.
Brody, Nathan, New York, N. Y. Disposable syringe. 2,604,095, July 22.
Broekhuysen, William C., Garden City, N. Y., assignor to American Machine and Foundry Company. Electromagnetic balance. 2,623,741, Dec. 30.
Broersma, J. Charles, Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Roll gripping and upending truck. 2,611,498, Sept. 23.
Brogdex Company, assignee: *See*—
Cothran, Charles D.
Meyers, John V.
Miller, Walter E.
Broge, Edward C., Cecil County, Md., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of water soluble potassium polymetaphosphate from potassium kurrol salt. 2,619,429, Nov. 25.
Broh, Joshua, East Chicago, Ill. Traction device for vehicle wheels. 2,614,601, Oct. 21.
Bröhl, August, and L. Leitz, Wetzlar/Lahn, assignors to Ernst Leitz G. m. b. H., Wetzlar, Germany. Apparatus for detachably attaching camera objectives to cameras. 2,618,201, Nov. 18.
Broido, Jacques, Carouge-Geneva, Switzerland. Retractable view-finder for motion-picture cameras. 2,616,329, Nov. 4.
Broiler Equipment Company, assignee: *See*—
Futterer, Wolfram A.
Broken Hill Associated Smelters Proprietary Limited, The, assignee: *See*—
Davey, Thomas R. A.
Brokman, Maurycy, assignee: *See*—
Jezewski, Mieczyslaw, and Szklarski.
Brolaski, George R., San Diego, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Resistance welding process. 2,599,045, June 3.
Broleman, Hugo R., Jr., Orlando, Fla. Awning type window. 2,620,523, Dec. 9.
Bromagem, Irl R., assignor to Union City Body Company, Inc., Union City, Ind. Uplift type theater chair. 2,610,668, Sept. 16.
Bromagem, Irl R., assignor to Union City Body Company, Inc., Union City, Ind. Theater chair back mounting construction. 2,610,669, Sept. 16.
Bromet, Lucien J. H.: *See*—
Gamet, Gérard A. M., and Bromet.
Bromilow & Edwards Limited, assignee: *See*—
Kinnaird, James A.
Bromley, Raymond V., Washington, D. C., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Thread for glass containers. 2,585,624, Feb. 12.
Bromley, William H., Jr., West Springfield, assignor to Shawinigan Resins Corporation, Springfield, Mass. Preparation of stable polyvinyl butyral dispersions. 2,611,755, Sept. 23.
Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 2,595,050, Apr. 29.
Bronnenkant, Paul H.: *See*—
Oclassen, Charles A., and Bronnenkant.
Bronovicki, Adam A., Bayonne, N. J., assignor to General Cable Corporation, New York, N. Y. Cable pulling eye and making the same. 2,615,074, Oct. 21.
Bronson, Gail M., Sr., and J. Achilli, Elgin, Ill. Television service man's illuminated line cord. 2,622,214, Dec. 16.
Bronson, George E.: *See*—
Aagaard, Leif, and Bronson.
Bronson, Hazel J., Garden City, N. Y. Invalid's boot with thick resilient insole. 2,598,217, May 27.
Bronzan, Biasito, assignor to Bsash-Ross Tool Company, Los Angeles, Calif. Shock-absorber for rotary drilling kellys. 2,587,105, Feb. 26.
Brooke, Frank W., Pittsburgh, Pa. Open-hearth furnace. 2,606,015, Aug. 5.
Brooke, Lloyd F. *See*—
Kemp, Jacob D., and Brooke.
Brooke, Lloyd F., Berkeley Highland Terrace, assignor to California Research Corporation, San Francisco, Calif. Conversion of propylene polymers. 2,599,743, June 10.
Brooke, Norman E., Washington, D. C. Broom rake. 2,622,387, Dec. 23.
Brooker, Leslie G. S.: *See*—
Keyes, Grafton H., and Brooker.
Brookins, Richard N., South Gate, assignor to Essick Manufacturing Company, Los Angeles, Calif. Evaporative cooler. 2,588,612, Mar. 11.
Brooklyn Hospital Equipment Co. Inc., assignee: *See*—
Spielberg, Sam S.
Brooks, Benjamin T., Old Greenwich, Conn., assignor to The Glycerine Corporation of America, Inc., New York, N. Y. Producing glycerine. 2,614,964, Oct. 21.
Brooks, Carroll P., Philadelphia, Pa. Valve pipe with grooved bowl. 2,603,222, July 15.
Brooks, Carroll P., Philadelphia, Pa. Distributor. 2,622,162, Dec. 16.
Brooks, Charles H.: *See*—
Dougherty, Patrick F., and Brooks.
Brooks, Chester E., Montvale, N. J., and W. W. Carpenter, Garden City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone billing system. 2,599,357, June 3.
Brooks, Claude C., Kansas City, Mo. Mounting structure for windows. 2,607,454, Aug. 19.
Brooks, Cornelius V., Bluefield, W. Va. Motor block and radiator cleaning machine. 2,622,605, Dec. 23.
Brooks, David D., Union City, Ohio. Measuring rule with opposed sliding contacts. 2,613,444, Oct. 14.
Brooks, Donald H., Johannesburg, Transvaal, Union of South Africa. Dispenser for medicinal and other powders. 2,622,594, Dec. 23.
Brooks, E. J., Company, assignee: *See*—
Brooks, Winfred M.
Brooks, Firman R., and A. J. Turner, Tucson, Ariz., assignors of 10 per cent to Leonard M. Shiebly. Self-lubricating vehicle spring. 2,585,367, Feb. 12.
Brooks, Jack, New York, N. Y. Plateholder. 2,620,928, Dec. 9.
Brooks, James L., Blytheville, Ark. Vehicle seat guard. 2,595,329, May 6.
Brooks, John: *See*—
Simpson, George K., and Brooks.
Brooks, John D., Roselle, and H. O. Mottern, Bloomfield, N. J., assignors to Standard Oil Development Company. Dehydration of aqueous isopropanol. 2,604,440, July 22.
Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thienylthio carboxylic acids and thienylthio carboxylic acid esters in lubricating compositions. 2,581,626, Jan. 8.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thienyl mercaptals and mercaptols. 2,600,838, June 17.

Brooks, Joseph H., West Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Apparatus for inverting lamp tubes. 2,597,283, May 20.

Brooks, Lester A., Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Fungicidal preparation. 2,582,857, Jan. 15.

Brooks, Lester A., East Norwalk, Conn., M. Markarian, North Adams, and M. Nazzewski, Adams, assignors to Sprague Electric Company, North Adams, Mass. 2-vinyl-thiazole. 2,591,506, Apr. 1.

Brooks, Lewis C., Milwaukee, assignor of one-third to I. M. Jones, River Hills, Wis. Tube type container. 2,589,045, Mar. 11.

Brooks, Marguerite G., Darien, Conn. Device for making the yarn loops of crocheted rugs. 2,603,957, July 22.

Brooks, Maurice E.: *See*—
Rollins, Jennings F., and Brooks.

Brooks, Paul S.: *See*—
Schumacher, Erwin A., and Brooks.

Brooks, Paul S., Lakewood, and E. A. Schumacher, Parma, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Support for primary galvanic cell electrolyte. 2,597,118, May 20.

Brooks, Philip, Darien, Conn., assignor to International Snit Company, Scranton, Pa. Dispensing spout and closure with adjustable sifter. 2,618,413, Nov. 18.

Brooks, Ralph C., Turtle Creek, and Fred S. Whaley, Greensburg, Pa., assignors to Westinghouse Air Brake Company. Fluid pressure timed cycle control apparatus. 2,619,073, Nov. 25.

Brooks, T. J., (Autos) Limited, assignee: *See*—
Heyne, William O.

Brooks, Thomas E., assignor to Lisle Corporation, Clarinda, Iowa. Piston and connecting rod aligner. 2,609,208, Sept. 2.

Brooks, Vern E., Fort Worth, Tex. Paint loosening and scraping device. 2,589,531, Mar. 18.

Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Shackle seal. 2,599,318, June 3.

Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Seal. 2,610,878, Sept. 16.

Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Seal. 2,613,095, Oct. 7.

Brooksbank, Jack: *See*—
West, Joseph, and Brooksbank.

Broom and Wade Limited, assignee: *See*—
Smith, Christopher B.

Broom, William E. J.: *See*—
McCue, Cyril F., and Broom.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Reflex amplifier circuit for radio receivers. 2,582,100, Jan. 8.

Broos, Henricus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio-frequency receiver with band-spread tuning. 2,589,331, Mar. 18.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Feedback amplifier circuit. 2,591,915, Apr. 8.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the transmission by electrical means of oscillations of acoustic frequency. 2,616,970, Nov. 4.

Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stiffening uppers of shoes. 2,618,796, Nov. 18.

Brophy, John J., Salem, and C. G. Newton, Jr., Newburyport, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Stiffening uppers of shoes. 2,611,195, Sept. 23.

Bros, Chester W., Edina, assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn. Stoker mechanism. 2,582,583, Jan. 15.

Bros, Chester W., A. O. Williamson, and U. O. Guignard, assignors to Wm. Bros. Boiler and Manufacturing Company, Minneapolis, Minn. Pneumatic roller compactor. 2,610,557, Sept. 16.

Bros. Wm., Boiler & Manufacturing Co., assignee: *See*—
Bros, Chester W.
Bros, Chester W., Williamson, and Guignard.
Guignard, Ulyss O.

Broschke, Heinrich, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Motor and brake control. 2,593,837, Apr. 22.

Broscoe, Edward W., Chicago, Ill. Doorknob attachment. 2,587,285, Feb. 26.

Brosenius, Karl H., Stockholm, Sweden. Flange beams of wood. 2,607,959, Aug. 26.

Brosseau, Don A.: *See*—
Smith, William M., and Brosseau.

Brostedt, Clinton B.: *See*—
Nord, Simon R., Jr., and Brostedt.

Brothers, Richard V., Fontana, Calif. Hair curling device. 2,600,730, June 17.

Brotman, Hyman D., Detroit, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Strainer for washing machines. 2,586,508, Feb. 19.

Brottman, Samuel G., Minneapolis, Minn. Shopping cart. 2,615,726, Oct. 28.

Broudy, Albert M., Pittsburgh, Pa. Envelope. 2,580,886, Jan. 1.

Brough, James, Pickering, Ontario, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Vertically arranged hammer mill. 2,609,152, Sept. 2.

Brough, James R., assignor to Melpar, Inc., Alexandria, Va. Indoor television antenna. 2,611,080, Sept. 16.

Broughan, Leslie E., Purley, and J. Perrin, Croydon, assignors to Powers-Samas Accounting Machines Limited, London, England. Data transmitting means in record controlled statistical machines. 2,591,128, Apr. 1.

Broughton, Arthur E., Glens Falls, N. Y. Oscillator. 2,597,443, May 20.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Pass case or the like. 2,589,667, Mar. 18.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Stitchless flexible pocket receptacle. 2,592,651, Apr. 15.

Broughton, Geoffrey, and R. N. Woodward, assignors to Eastman Kodak Company, Rochester, N. Y. Rapid processing of photographic materials. 2,614,927, Oct. 21.

Broughton, Messrs., Joseph, and Son (Engineers) Limited, assignee: *See*—
Webster, Charles J., and Anson.

Brouillette, Irenee, Montreal, Quebec, Canada. Wall mounted electric outlet. 2,613,245, Oct. 7.

Brous, Donald W., Francestown, assignor to Food Engineering Corporation, Manchester, N. H. Sanitary liquid dispensing machine. 2,591,507, Apr. 1.

Brous, Donald W., Francestown, assignor to Food Engineering Corporation, Manchester, N. H. Disposable plastic valve. 2,609,974, Sept. 9.

Brouse, William H. D., Toronto, Ontario, Canada, assignor to Teleflex Incorporated, Philadelphia, Pa. Force transmission apparatus. 2,601,083, June 17.

Broussard, Avery, Esther, La. Steel wool holder. 2,618,804, Nov. 25.

Broussard, Robert, assignor, by mesne assignments, to W. P. MacCracken, Jr., Washington, D. C., as trustee. Parking meter and coin slot therefor. 2,580,400, Jan. 1.

Broussard, Robert, assignor, by mesne assignments, to W. P. MacCracken, Jr., Washington, D. C., as trustee. Parking meter collection receptacle. 2,580,401, Jan. 1.

Broussard, Robert, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter and coin slot therefor. 2,596,122, May 13.

Broussard, Robert, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter and coin slot therefor. 2,596,123, May 13.

Broussard, Robert, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter. 2,596,124, May 13.

Broussard, Robert F., Houston, Tex., assignor to Duncan Parking Meter Corporation, Chicago, Ill. Automatic pay station. 2,594,388, Apr. 29.

Broussard, Robert F., Houston, Tex., assignor to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter. 2,618,371, Nov. 18.

Broussard, Robert F., Houston, Tex., and L. D. Sollenberger, assignors to Duncan Parking Meter Corporation, Chicago, Ill. Coin handling apparatus. 2,613,792, Oct. 14.

Broussard, Robert F., Houston, Tex., and H. J. Miller, assignors to Duncan Parking Meter Corporation, Chicago, Ill. Coin handling apparatus. 2,613,871, Oct. 14.

Brousseau, Fred, Schenectady, and P. J. Brousseau, Peasleeville, N. Y. Safety valve for fluid pressure systems. 2,614,003, Oct. 14.

Brousseau, Philip J.: *See*—
Brousseau, Fred and P. J.

Brouwer, Nick J., Rock Valley, Iowa. Wheel checking device. 2,613,447, Oct. 14.

Brouwer, Pieter H. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetic circuit for rotary electric low-power apparatus. 2,617,054, Nov. 4.

Brouwer, Rodger D., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Lubricating method. 2,591,129, Apr. 1.

Browder, John G., Houston, and A. R. Smith, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of petroleum distillates with an alkali and an aldehyde. 2,616,832, Nov. 4.

Browder, Lewis B., La Canada, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound recording system. 2,591,045, Apr. 1.

Brower, Howard G., Nashville, Tenn. Mailbox name plate support attachment. 2,615,267, Oct. 28.

Brower, Paul G., Toppenish, Wash. Apron control for earth moving apparatus of the carry type. 2,581,073, Jan. 1.

Brower, William P., Glen Rock, and W. I. Gadkowski, Irvington, N. J. Vehicular parking installation. 2,610,364, Sept. 16.

Brower, William S., Jr.: *See*—
Schlachman, Benjamin, and Brower.

Brown, Aaron I., Mount Vernon, N. Y. Musical rhythm-producing toy. 2,616,218, Nov. 4.

Brown, Adolph M., Chicago, Ill. Minimizing facial senescence. 2,619,084, Nov. 25.

Brown, Albert C., Seattle, Wash. Indicator for micrometer calipers. 2,590,971, June 10.

Brown, Albert M., assignor to G. Stibbe Co. Limited, Leicester, England. Yarn trapping and severing means for circular knitting machines. 2,580,513, Jan. 1.

Brown, Alexander M., Plantsville, and N. M. Earl, Southington, assignor to Bruce Industries, Plantsville, Conn. Eyeshade. 2,601,084, June 17.

Brown, Alexander R., Portage la Prairie, Manitoba, Canada. Merchandising and display stand. 2,584,255, Feb. 5.

Brown, Alfred E.: *See*—
Sookne, Arnold M., and Brown.

Brown, Alfred E., and A. M. Sookne, Washington, D. C., and F. W. Minor, Arlington, Va., assignors, by mesne assignments, to Harris Research Laboratories. Rendering organic textile material water repellent and composition therefor. 2,597,614, May 20.

Brown, Alfred R., Kelso, Wash. Automatic electric set-work assembly. 2,587,438, Feb. 26.

Brown, Alfred W. Ridgewood, N. J., assignor to Owens-Corning Fiberglas Corporation. Inorganic sheet material. 2,620,851, Dec. 9.

Brown, Allan K., Santa Cruz, Calif. Rotary drier and disintegrator. 2,595,509, May 6.

Brown, Allen K.: *See*—
Bunblasky, Adolph O., and Brown.

Brown, Alpha N., Kansas City, Mo. Film developing apparatus. 2,588,696, Mar. 11.

Brown, Alvin L., Washington, D. C. Suction or fluid pressure gutter cleaning apparatus, including a fluid reversing valve. 2,623,234, Dec. 30.

Brown, Andrew, Company, assignee: *See*—
Wilson, Bert.

Brown, Annie M., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Manufacture of polymyxin. 2,602,041, July 1.

Brown, Archie T., Biloxi, Miss. Condiment holder. 2,600,839, June 17.

Brown, Arthur K., Jr.: *See*—
Critelli, Louis J., and Brown.

Brown, Arthur S., Tilton, and G. E. Sedgley, Concord, N. H. Endless transmission belt. 2,597,284, May 20.

Brown, Basil D., Jr., Springboro, Pa. Gauging instrument. 2,611,968, Sept. 30.

Brown, Bertrand H., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Impeller mounting. 2,581,834, Jan. 8.

Brown & Bigelow, assignee: *See*—
De Fee, Le Emmette V.
Felt, Paul W.
Fischer, Howard L.
Thull, John F.

Brown, Brinkley B., assignor to Metallic Building Company, Houston, Tex. Nail beam. 2,601,363, June 24.

Brown-Brockmeyer Company, The, assignee: *See*—
Brown, Steffen S.
Trant, James L.

Brown Brothers & Co. Limited, assignee: *See*—
Mitchell, Colin C.

Brown, Carl S., Lakewood, assignor to Glascote Products, Inc., Cleveland, Ohio. System for concentrating liquids. 2,598,345, May 27.

Brown, Chalmers S., Lima, Ohio. Flow control assembly for closed hydraulic conduits. 2,603,451, July 15.

Brown, Charles E., and H. M. Smith, Detroit, Mich. Needle. 2,595,758, May 6.

Brown, Charles F., assignor to Hemphill Company, Pawtucket, R. I. Yarn clamp. 2,608,845, Sept. 2.

Brown, Charles K., Jr.: *See*—
Brown, Charles K., Sr., and C. K.

Brown, Charles K., Jr., Fairmont, W. Va., assignor to Bergen Machine & Tool Company, Inc. Straight line block molding machine. 2,593,409, Apr. 22.

Brown, Charles K., Sr. and Jr., Fairmont W. Va. Vacuum floor mopper. 2,617,138, Nov. 11.

Brown, Charles O. and E. M., Fresno, Calif. Thermometer holder. 2,605,987, Aug. 5.

Brown, Charles R., Glen Mills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cooling means for variable area nozzles. 2,603,060, July 15.

Brown, Charles R., Glen Mills, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Jet engine with afterburner. 2,603,945, July 22.

Brown, Charles S., and C. M. Hunter, Amarillo, Tex., said Brown assignor to said Hunter. Air-speed indicator with altitude correction. 2,606,444, Aug. 12.

Brown, Charles T.: *See*—
Glunt, John L., and Brown.

Brown, Cicero C., assignee: *See*—
Potts, Ernest L.
Slaughter, Philip E.

Brown, Cicero C., Houston, Tex. Drilling joint. 2,585,995, Feb. 19.

Brown, Cicero C., Houston, Tex. Slip expander assembly for well tools. 2,590,502, Mar. 25.

Brown, Cicero C., Houston, Tex. Casing repairing device. 2,593,725, Apr. 22.

Brown, Cicero C., Houston, Tex. Apparatus for cementing well liners. 2,621,742, Dec. 16.

Brown, Cicero C., Houston, Tex. Rotary core drill. 2,621,897, Dec. 16.

Brown, Cicero C., and F. L. Scott, Jr., Houston, Tex. Jar. 2,591,130, Apr. 1.

Brown, Cicero C., Houston, and J. R. Bass, Brenham, Tex.; said Bass assignor to said Brown. Jar type well packer. 2,595,563, May 6.

Brown, Clarence J., Los Alamos, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Current measuring device. 2,615,063, Oct. 21.

Brown, Clayton W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for determination of aniline point. 2,604,392, July 22.

Brown, Clifford: *See*—
Ferguson, John M., and Brown.

Brown, Clyde A., assignor to The Dole Valve Company, Chicago, Ill. Sediment drain bulb valve construction. 2,603,236, July 15.

Brown, Clyde A., Luck, Wis., assignor, by mesne assignments, to General Bronze Corporation. Carbonator. 2,604,310, July 22.

Brown, David: *See*—
Cherniavsky, Alexender J., and Brown.

Brown, David, Brooklyn, N. Y. Tufting machine. 2,617,230, Nov. 11.

Brown, David S., Plainfield, N. J., C. F. Hawes, New York, N. Y., and R. E. Stork, Hoboken, N. J. Agitating device for liquid containing tanks. 2,583,725, Jan. 29.

Brown, Denis E.: *See*—
Grayson, Harry, and Brown.

Brown, E. Y., assignee: *See*—
Robbins, Homer R.

Brown, E. Y., Sr., assignee: *See*—
Robbins, Homer R.

Brown, Earl E., assignor of one-half to G. A. Streitz, Camden, N. J. Shaft bearing structure. 2,592,387, Apr. 8.

Brown, Edith M.: *See*—
Brown, Charles O. and E. M.

Brown, Edmund D., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Combustion chamber with diverse air paths and vortices producing vanes therein for jet propulsion or gas turbine power plants. 2,603,949, July 22.

Brown, Edward H., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,602,958, July 15.

Brown, Edward H., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,603,827, July 22.

Brown, Ellis M., assignor to John Oster Manufacturing Company, Racine, Wis. Bearing construction. 2,609,253, Sept. 2.

Brown, Ellis M., and F. V. Forss, assignors to John Oster Manufacturing Company, Racine, Wis. Power-driven palm grasped kitchen appliance. 2,582,229, Jan. 15.

Brown, Ellis M., and E. H. Forss, assignors to John Oster Manufacturing Company, Racine, Wis. Cutterhead for hair clipper. 2,611,955, Sept. 30.

Brown, Elmer E., Cleveland, and R. E. Brown, Middleburgh Heights, Ohio. Gaff hook. 2,603,520, July 15.

Brown, Ernest D.: *See*—
Whitworth, Stanley J. L., and Brown.

Brown, Ethel C., Mission, Kans. Combined catamenial appliance and garment. 2,615,449, Oct. 28.

Brown, Eugene E.: *See*—
Kerns, Quentin A., Whitcomb, and Brown.

Brown, Eugene H. C.: *See*—
Capstack, Eugene J., and Brown.

Brown, Foster H., Brooklyn, N. Y. Overwind preventer. 2,617,248, Nov. 11.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Inhaler with closure. 2,590,832, Mar. 25.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Hypodermic syringe assembly. 2,591,046, Apr. 1.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Hypodermic syringe assembly. 2,607,341, Aug. 19.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Syringe assembly. 2,607,344, Aug. 19.

Brown, Frank G., Salem, Ill. Mailbox. 2,604,260, July 22.

Brown, Frank K., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Slotting the shanks of screw fasteners. 2,590,597, Mar. 25.

Brown, Fred: *See*—
Bimba, Charles W., and Brown.

Brown, Frederick, Tampa, Fla. Combination bumper guard and jack. 2,621,956, Dec. 16.

Brown, Frederick E., Hyde, England: Machine and process for compounding rubber or like mixes. 2,586,607, Feb. 19.

Brown, Frederick E., and P. Martin, Hyde, England. Protective sheath for cows' teats. 2,604,092, July 22.

Brown, Frederick J., Tampa, Fla. Wrist watch protector. 2,595,330, May 6.

Brown, George H.: *See*—
Coffing, Frederick W., and Brown.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Radio transmitter. 2,602,887, July 8.

Brown, George R., Springfield, Mass. Fishline reel. 2,583,465, Jan. 22.

Brown, George T., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Selective folding hand stamp. 2,597,919, May 27.

Brown, Gerald G.: *See*—
Cardwell, Harland W., and Brown.
Cardwell, Harland W., Brown, and Hobbs.

Brown, Gordon P., Reading, assignor to National Research Corporation, Cambridge, Mass. Vapor coating device. 2,621,625, Dec. 16.

Brown, Graham B., Youngstown, Ohio. Parachute release mechanism. 2,616,369, Nov. 4.

Brown, Grant S., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Extrusion apparatus. 2,591,508, Apr. 1.

Brown-Graves Company, assignee: *See*—
Graves, Harold E., Jr.

Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Insecticide dispenser. 2,594,539, Apr. 29.

Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Insecticide dispenser. 2,597,775, May 20.

Brown, Guy E., Houston, Tex., assignor of one-half to H. J. Eastman, Denver, Colo. Borehole inclination indicating device. 2,596,759, May 13.

Brown, Harold G., Bakewell, assignor to The Chloride Electrical Storage Company Limited, Clifford Junction, England. Lead-acid accumulator. 2,630,367, Dec. 2.

Brown, Harold J., Johnstown, Pa., and F. C. Lavarack, Montclair, N. J.; said Lavarack assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond terminal. 2,597,444, May 20.

Brown, Harrison, Fargo, N. Dak. Rotary cultivator. 2,587,106, Feb. 26.

Brown, Harry W., Kansas City, Mo. Pastry box. 2,588,957, Mar. 11.

Brown, Harvey H., and B. N. Reed, Mountain City, Nev., assignors to Nailmaster, Inc. Claw hammer with extensible fulcrum. 2,589,046, Mar. 11.

Brown, Harvey H., Mountain City, and L. W. Williams, Owyhee, Nev., assignors to Nailmaster, Inc. Claw hammer with extensible fulcrum. 2,589,047, Mar. 11.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown

Brown, Herbert C., West Lafayette, Ind., assignor to Standard Oil Company, Chicago, Ill. Organic phosphines. 2,584,112, Feb. 5.

Brown, Herman B., Atlanta, Ga. Power wringer for mops. 2,615,191, Oct. 28.

Brown, Herman E., Owensboro, Ky. Platform rocking chair. 2,584,184, Feb. 5.

Brown Hollis P.: *See*—
Watts, Daniel M., and Brown.

Brown, Horace W., West Newbury, Mass. Powder measuring device with micrometer adjustment. 2,587,692, Mar. 4.

Brown, Howard M.: *See*—
Cawley, George, and Brown.

Brown, Hubert M.: *See*—
Martin, Marvin M., and Brown.

Brown, Hugh M., assignor to Clemson Agricultural College of South Carolina, Clemson, S. C. Yarn twister for spinning frames. 2,590,374, Mar. 25.

Brown-Hutchinson Iron Works, assignee: *See*—
Hutchinson, Martin B., and Shillum.

Brown Industries Incorporated, assignee: *See*—
Rinderle, Karl T.

Brown, Irving C.: *See*—
Monro, Randolph, Brown, Hinkamp, and Pardubn.

Brown, Irving L., New York, N. Y. Half slip. 2,611,133, Sept. 23.

Brown, James A., White Plains, N. Y. Fish lure. 2,603,025, July 15.

Brown, James D.: *See*—
Fink, Walter A., and Brown.

Brown, James E., and T. Bowen, assignors to Pullars Instruments Limited (formerly Pullars Electric Co. (Brighton) Limited), Brighton, England. Setting pointer for measuring instruments. 2,605,737, Aug. 5.

Brown, James G.: *See*—
Levitin, Benjamin, Brown, Peeples, and M. B.

Brown, Jesse F., Lebanon, Tenn. Hitch for tractor-drawn plows. 2,585,085, Feb. 12.

Brown, John, Berwyn, B. L. Snavely, Takoma Park, and J. V. Atanasoff, Fulton, Md. Electronic circuit chassis. 2,588,082, Mar. 4.

Brown, John H., Jr., Sands Point, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Apparatus for making tubular paper containers. 2,584,542, Feb. 5.

Brown, John M.: *See*—
Burtner, Robert R., and Brown.

Brown, John N.: *See*—
Dickerman, Harry K., and Brown.

Brown, John P., Sunbury, Pa. Machine to cut insulated brick or sand coated siding. 2,604,943, July 29.

Brown, John R., Woodmont, and C. I. Read, assignors to Tilo Roofing Company, Inc., Stratford, Conn. Shingle. 2,598,497, May 27.

Brown, John T. L., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjusting polar relays. 2,590,228, Mar. 25.

Brown, John T. L., Short Hills, and C. E. Pollard, Jr., Hoboken, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,609,464, Sept. 2.

Brown, John W., Great Falls, Mont. Artificial fishing lure. 2,603,903, July 22.

Brown, John W., Kinnaswick, and J. T. Donnell, Barnhart, Mo. Medication unit. 2,616,424, Nov. 4.

Brown, John W., South Euclid, assignor to The John P. Cochran Company, Cleveland, Ohio. Guard for groove-top containers. 2,611,508, Sept. 23.

Brown, Johnnie J., Jr., Pratt, W. Va. Fish bait catching apparatus. 2,604,715, July 29.

Brown, Joseph, Drexel, Pa. Combination venting, filling, and gauging device for fuel oil tanks. 2,599,162, June 3.

Brown, Joseph, Philadelphia, Pa. Velocity recorder. 2,613,125, Oct. 7.

Brown, Joshua R. C., Jr., Chicago, Ill., assignor to General Electric Company. Luminescent zinc sulfide phosphors and preparing same. 2,610,154, Sept. 9.

Brown, Kenneth A., Gervais, Oreg. Tractor attachment. 2,597,615, May 20.

Brown, Kenneth E.: *See*—
Brown, Russell G., and K. E.

Brown, Kenneth M.: *See*—
Chenicek, Joseph A., and Brown.

Brown, Kenneth M., Hinsdale, and C. G. Gerhold, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Desulfurization of hydrocarbon gases. 2,598,034, May 27.

Brown, Kenneth M., Culver City, and F. H. Green, assignors to The Garrett Corporation, Los Angeles, Calif. Gas turbine-driven auxiliary power and air conditioning system. 2,618,470, Nov. 18.

Brown, Kenneth R., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Frozen confection. 2,602,749, July 8.

Brown, Kenneth R., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Cellulose-morpholinium derivative composition and process. 2,623,874, Dec. 30.

Brown, Lee V.: *See*—
Toy, Arthur D. F., and Brown.

Brown, Lemuel G., Oklahoma City, Okla. Grass trimming tool. 2,617,189, Nov. 11.

Brown, Leo C., assignor to Swift & Company, Chicago, Ill. Coloring and packaging margarine and coloring composition therefor. 2,607,697, Aug. 19.

Brown, Leo H., Glenville, Conn. Optical aiming device for indirect artillery fire. 2,581,355, Jan. 8.

Brown, Leonard: *See*—
Lynam, John E., and Brown.

Brown, Leonard, and J. E. Lynam, Mapperley, assignors to William Cotton Limited, Leicestershire, England. Straight bar knitting machine for production of run-resistant knitted fabric. 2,593,006, Apr. 15.

Brown, Leonard, Nottingham, and J. E. Lynam, Mapperley, Nottingham, assignors to William Cotton Limited, Loughborough, England. Welt stick mechanism of straight bar knitting machines. 2,618,947, Nov. 25.

Brown, Leonard, Nottingham, and J. E. Lynam, Mapperley, Nottingham, assignors to William Cotton Limited, Loughborough, England. Welt turning apparatus. 2,618,948, Nov. 25.

Brown, Leonard, Nottingham, and J. E. Lynam, Mapperley, Nottingham, assignors to William Cotton Limited, Loughborough, England. Welt turning apparatus. 2,618,949, Nov. 25.

Brown, Leslie S., Newton, Mass. Fleecelike stripping for boot tops or the like. 2,597,285, May 20.

Brown, Lewis R.: *See*—
Goodman, Alfred E., and Brown.

Brown, Lloyd H., assignor to The Quaker Oats Company, Chicago, Ill. Furfuryl alcohol resins. 2,601,497, June 24.

Brown, Lloyd H., assignor to The Quaker Oats Company, Chicago, Ill. Oil soluble furfural-phenol resins. 2,601,498, June 24.

Brown, Lloyd H., Seattle, Wash., assignor to California Research Corporation, San Francisco, Calif. Phenol phthaldehyde resins and preparing same. 2,621,165, Dec. 9.

Brown, Louis B., Duquesne, Pa. Removable traction cleat for use with vehicle tires. 2,603,268, July 15.

Brown, Louis B., Duquesne, Pa. Removable traction cleat for vehicle tires. 2,621,699, Dec. 16.

Brown, Luther E., Greggton, Tex. Sprinkler hose holder. 2,584,543, Feb. 5.

Brown, Malcolm N.: *See*—
Naulty, Howard W., and Brown.

Brown, Max, assignor to The Waterbury Metal Stamping Co., Waterbury, Conn. Buckle for holding ribbons. 2,613,420, Oct. 14.

Brown, Melvin H.: *See*—
Sweeney, Orland R., Brown, and Arnold.

Brown, Meredith C., Whittier, assignor to Pacific Clay Products, Los Angeles, Calif. Apparatus for spraying fluid into tubular members. 2,604,872, July 29.

Brown, Morris E., assignor to Eastman Kodak Company, Rochester, N. Y. Cover locking mechanism. 2,592,239, Apr. 8.

Brown, Myron J., and F. F. Lukaszewicz, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchboard construction. 2,593,975, Apr. 22.

Brown, Norman F., Surrey, assignor to N. F. B. Displacement Pump Co. Limited, London, England. Resilient sealing member for pistons, plungers, or the like. 2,589,332, Mar. 18.

Brown, Norman M., Jr., Los Angeles, and C. A. Shank, Redondo Beach, assignors to The Garrett Corporation, Los Angeles, Calif. Processing electrical elements. 2,609,644, Sept. 9.

Brown, Oren G., Seattle, Wash. Roller type ratchet structure. 2,584,256, Feb. 5.

Brown, Orland M.: *See*—
Blitzer, Sidney M., and Brown.

Brown, Orville R., Danville, Ill. Toy hoisting truck. 2,589,333, Mar. 18.

Brown, Otis A., assignee: *See*—
Fitzgerald, Bloyce D.

Brown, Otis O., Fall Brook, Calif. Rotary sprinkler head. 2,620,233, Dec. 2.

Brown, Paul L., Detroit, Mich. Wheeled animated bird on a cord. 2,599,227, June 3.

Brown, Percy A., Quantico, Va. Eyelash curler. 2,584,668, Feb. 5.

Brown, Percy M., Tenafly, assignor to Anchor Products Company, North Bergen, N. J. Lock. 2,582,309, Jan. 15.

Brown, Ralph, Fall Brook, assignor to Electrical Products Corporation, Los Angeles, Calif. Enamel coated articles and making same. 2,598,498, May 27.

Brown, Ralph, Fall Brook, assignor to Electrical Products Corporation, Los Angeles, Calif. Tube and support combination for illuminated signs. 2,623,988, Dec. 30.

Brown, Ralph E.: *See*—
Benson, Bernard S., and Brown.
Lehner, George F. J., Brown and Burkhart.
Owen, Harold R., and Brown.

Brown Ralph E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Counting device. 2,620,980, Dec. 9.

Brown, Ralph W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovery of gallium from alkali metal aluminate solutions. 2,582,377, Jan. 15.

Brown, Ralph W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing gallium. 2,582,378, Jan. 15.

Brown, Richard L.: *See*—
Gogolick, Roland M., and Brown.

Brown, Robert B., assignor to T. R. Mantes, doing business as T. R. Mantes Co., San Francisco, Calif. Weighing machine. 2,580,993, Jan. 1.

Brown, Robert B., assignor to T. R. Mantes, San Francisco, Calif. Automatic control valve for measuring apparatus. 2,604,906, July 29.

Brown, Robert B., assignor to T. R. Mantes, San Francisco, Calif. Automatic filling and weighing device. 2,605,075, July 29.

Brown, Robert E.: *See*—
Brown, Elmer E. and R. E.
Keyser, Louis S., and Brown.

Brown, Robert H.: *See*—
Bowen, Edward G., Taylor, Williams, Brown, and Touch.

Brown, Robert H., Beckenham, assignor to W. E. Mouldale and Company Limited, London, England. Apparatus for removing the outer layers from hard kerneled grains. 2,599,892, June 10.

Brown, Robert H., Pulaski, Tenn. Rotary turbine-type hydraulic coupling. 2,611,247, Sept. 23.

Brown, Robert H., Pulaski, Tenn. Pocket retainer. 2,619,649, Dec. 2.

Brown, Robert H., Pulaski, Tenn. Centrifugal pump. 2,619,910, Dec. 2.

Brown, Robert J., A. R. Nees, and A. N. Bennett, assignors to The Great Western Sugar Company, Denver, Colo. Recovery of nitrogenous and other compounds. 2,586,295, Feb. 19.

Brown, Robert L., assignee: *See*—
Peckham, Roy F.

Brown, Robert L., Ferndale, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Molding fastener. 2,585,996, Feb. 19.

Brown, Robert M., Kansas City, Kans. Clamp structure for adjustable drafting tables. 2,621,094, Dec. 9.

Brown, Robert O.: *See*—
Harrel, Chastain G., Brown, and Kimball.

Brown, Robert P., White Plains, N. Y. Ski sled. 2,593,974, Apr. 22.

Brown, Robert W., North Syracuse, N. Y., assignor to General Electric Company. Electronic control circuit. 2,599,228, June 3.

Brown, Rodney G., North Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bookbinding adhesives and applying same. 2,612,463, Sept. 30.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Torsional support. 2,581,912, Jan. 8.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Aircraft undercarriage. 2,581,935, Jan. 8.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Air spring for heavy machinery. 2,605,066, July 29.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber-metal spring. 2,605,099, July 29.

Brown, Royce M., Albuquerque, N. Mex. Hair trimmer. 2,615,243, Oct. 28.

Brown, Russell G., and K. E., Montague, Mich. Instrument for closing and opening split sinkers on fishing lines. 2,603,992, July 22.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Coffin, Edward E.
Lalime, Lester J.
Levesque, George N.
Maglott, George F.
Mathewson, Maxwell I.
Meyer, Hans.
Sizer, Harold S.
Weimar, Hans C.

Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Shaft seal. 2,582,525, Jan. 15.

Brown, Steffen S., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Electric motor and selector switch therefor. 2,619,621, Nov. 25.

Brown, Steffen S., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Electric motor and operation. 2,622,232, Dec. 16.

Brown, Thomas M.: *See*—
Gillette, Earl D., and Brown.

Brown, Thomas W. F., Gosforth, and H. G. Yates, Northumberland, assignors to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Shaft for gas turbines and the like. 2,622,417, Dec. 23.

Brown, Victor J., Newark, N. J., and H. C. Costello, Massapequa, N. Y. Skate wheel. 2,599,540, June 10.

Brown, Vincent C., Big Stone City, S. Dak. Window screen for vehicles. 2,591,232, Apr. 1.

Brown, Walter E.: *See*—
Harrison, Stuart A., and Brown.

Brown, Walter J.: *See*—
Rutter, Donald E., Shaper, and Brown.

Brown, Warren D.: *See*—
Brown, Warren G. and W. D.

Brown, Warren G. and W. D., Detroit, Mich. Apparatus for preparing and spraying cementitious materials. 2,603,462, July 15.

Brown, Warren G. and W. D., Detroit, Mich. Coating surfaces with cementitious material. 2,618,576, Nov. 18.

Brown, Wesley H., Knoxville, Tenn. Valve mechanism. 2,593,531, Apr. 22.

Brown, William, London, and H. C. Mellor, Hatch End, England, assignors to Sterling Drug Inc., New York, N. Y. Antisprouting methods and compositions. 2,615,801, Oct. 28.

Brown, William C., assignor to The National Cash Register Company, Dayton, Ohio. Split mechanism. 2,613,872, Oct. 14.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron electron discharge device. 2,615,143, Oct. 21.

Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,585,084, Feb. 12.

Brown, William C., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Cavity resonator electron discharge device. Re. 23,480, Apr. 29.

Brown, William C., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,608,673, Aug. 26.

Brown, William D., Glendale, Calif. Brassière construction. 2,623,211, Dec. 30.

Brown, William E.: *See*—
Lawson, John W., and Brown.

Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Key operated electric switch. 2,613,288, Oct. 7.

Brown, William E., Pewaukee, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Cooling system for electron tubes and other devices. 2,593,260, Apr. 15.

Brown, William E., Sacramento, Calif. Piston. 2,619,392, Nov. 25.

Brown, William J. B., Corpus Christi, Tex. Fishing tackle. 2,623,322, Dec. 30.

Brown, William L., 3rd, and W. L. Brown, 4th, Philadelphia, Pa. Engine. 2,588,478, Mar. 11.

Brown, William L., 4th: *See*—
Brown, William L., 3rd, and W. L. Brown, 4th.

Brown, William V., Flushing, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Recording apparatus. 2,606,808, Aug. 12.

Brown, William W., Wheatland, Calif. Pruning saw jointer. 2,582,101, Jan. 8.

Brown, Wiser: *See*—
Harris, Wesley W., and Brown.

Browne, Geoffrey D., Upper Norwood, London, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for time subdivision. 2,589,334, Mar. 18.

Browne, Kenneth A., Lakewood, Ohio, assignor to Curtiss-Wright Corporation. Transmission and one-way clutch therefor. 2,596,367, May 13.

Browne, Kenneth J., Huntington Park, Calif. Earth auger. 2,591,233, Apr. 1.

Browne-Morse Company, assignee: *See*—
Poe, William A.

Browne, Thomas E., Jr.: *See*—
Baker, Benjamin P., and Browne.

Browne, William H.: *See*—
Sebok, Joseph B., Browne, and Pavlish.

Brownell, Keith M., Minneapolis, Minn. Air intake preheater for automobile engines. 2,610,282, Sept. 9.

Brownell, William F., Jr.: *See*—
Saunders, Harold E., Lee, Marvinney, and Brownell.

Brownie, Rex S., assignor to International Hardware Manufacturing Company, Detroit, Mich. Lever adjuster for casement windows. 2,587,963, Mar. 4.

Brownie, Rex S., assignor to International Hardware Manufacturing Company, Detroit, Mich. Stay bar construction. 2,589,768, Mar. 18.

Browning, Bonny I., North Kansas City, Mo., assignor by decree of distribution to Clare Browning. Rail car bearing and oiler. 2,610,095, Sept. 9.

Browning, Clare, assignee: *See*—
Browning, Bonny I.

Browning, George V., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Grease preparation. 2,616,850, Nov. 4.

Browning, George V., Schenectady, N. Y., assignor to Standard Oil Company, Chicago, Ill. Grease dispersion. 2,580,654, Jan. 1.

Browning, J. M. & M. S., Company, assignee: *See*—
Browning, Val A.

Browning, Melvin F.: *See*—
Schaffert, Roland M., and Browning.

Browning, Roe V., and C. F. Badgley; said Badgley assignor of 25 percent to O. R. Tschache and 25 percent to J. W. Tschache, Bozeman, Mont. Ratchet mechanism for wrenches, screw drivers, and the like. 2,586,296, Feb. 19.

Browning, Roscoe: *See*—
Francis, George C., and Browning.

Browning, Val A., Ogden, Utah. Carrier latch for repeating firearms. 2,586,509, Feb. 19.

Browning, Val A., Ogden, Utah. Take-down arrangement for firearms. 2,594,861, Apr. 29.

Browning, Val A., Ogden, Utah. Take-down arrangement for firearms. 2,594,862, Apr. 29.

Browning, Val A., Ogden, Utah, assignor to V. A. Browning, trustee. Two-part cartridge carrier for repeating firearms. 2,604,713, July 29.

Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Trigger plate assembly for firearms. 2,604,714, July 29.

Browning, Val A., Ogden, Utah. Latch for pivoted locking bolts for repeating firearms. 2,614,462, Oct. 21.

Browning, Victor R., Euclid, assignor to Victor R. Browning & Company, Incorporated, Willoughby, Ohio. Self-contained grab bucket unit for hoist lines. 2,605,563, Aug. 5.

Browning, Victor R., & Company, Incorporated, assignee: *See*—
Browning, Victor R.

Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Flywheel magneto. 2,583,466, Jan. 22.

Brownlow, Cecil L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Line fault detector. 2,586,781, Feb. 26.

Brownscombe, Eugene R.: *See*—
Whorton, Leonidas P., Brownscombe, and Dyes.

Brownscombe, Eugene R., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Recovery of oil from wells. 2,609,051, Sept. 2.

Brownstein, Benjamin, Ellwood City, Pa. Hydraulic pressure control apparatus. 2,590,503, Mar. 25.

Brownstein, Benjamin, Ellwood City, Pa. Core for tubular ingot molds. 2,616,137, Nov. 4.

Browse, George W.: *See*—
Robertson, Neil D. G., and Browse.

Broyhill, Roy F., Dakota City, Nebr. Tractor mounted spray device. 2,590,677, Mar. 25.

Broyles, Grace A., Kenosha, Wis. Hair curler. 2,604,894, July 29.

Broyles, Daniel, and C. Russell, Knoxville, Tenn.; said Russell assignor to said Broyles. Vending machine. 2,621,096, Dec. 9.

Broyles, Otis T., Houston, Tex. Well packer. 2,605,845, Aug. 5.

Broyles, Otis T., assignor to Associated Engineers, Inc., Houston, Tex. Bushing inserting tool. 2,614,633, Oct. 21.

Brozek, Lawrence: *See*—
Heinmann, Heinrich, and Brozek.

Brozozowski, Bronislaw T.: *See*—
Young, Leo L., Drechsler, and Brozozowski.

Brunaldi, Ulysses J., Ansonia, Conn. Fruit and vegetable slicer. 2,621,691, Dec. 16.

Brubaker, John T., Luray, Va. Rodent trap. 2,592,388, Apr. 8.

Brubaker, Wilson M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical converter. 2,616,045, Oct. 28.

Brucato, Antonio, Bridgeport, Conn. Massaging apparatus. 2,499,367, June 3.

Bruce, Cyril G.: *See*—
Mollns, Desmond W., Ruau, Jackson, and Bruce.

Bruce, Donald S.: *See*—
Havemann, Robert A., Bruce, and MacRae.

Bruce, E. L., Company, assignee: *See*—
Jones, Leslie H.

Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Double-lockout interconnecting system. 2,594,389, Apr. 29.

Bruce, Edmond, Red Bank, and N. I. Hall, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron-tube controlled switching system. 2,582,959, Jan. 22.

Bruce, Edmond, Red Bank, N. J., and L. Gross, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Beam switching system. 2,599,368, June 3.

Bruce Engineering Corporation, assignee: *See*—
Bruce, John K.

Bruce Industries, assignee: *See*—
Brown, Alexander M., and Earl.

Bruce, James B., Chicago, Ill. Automatic fluid brake governed speed regulating transmission. 2,618,175, Nov. 18.

Bruce, John A., assignor to Prime Products Inc., Tampa, Fla. Fruit juice blend and producing same. 2,599,431, June 3.

Bruce, John K., South Pasadena, assignor to Bruce Engineering Corporation, San Francisco, Calif. Materials handling apparatus. 2,602,533, July 8.

Bruce, Robert S., Madera, Calif. Bed mounting attachment for playpens. 2,620,490, Dec. 9.

Bruce, Roy A., and R. W. Haman, Elmhurst, assignors to The Wander Company, Chicago, Ill. Sanitary can opener apparatus. 2,603,858, July 22.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Tool-holder assembly. 2,585,733, Feb. 12.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Tool bracket and indexing assembly. 2,592,240, Apr. 8.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Wheel dressing unit. 2,592,241, Apr. 8.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,597,616, May 20.

Bruce, William F.: *See*—
Abell, Llese L., Bruce, and Seiffter.

Bruce, William F., Havertown, assignor to Wyeth Incorporated, Philadelphia, Pa. Tertiary butyl secondary amines and preparing the same. 2,597,446, May 20.

Bruce, William F., Havertown, assignor to Wyeth Incorporated, Philadelphia, Pa. Potassium stannous fluoride. 2,606,812, Aug. 12.

Bruce, William F., Havertown, J. L. Szabo, Drexel Hill, and S. Tubis, Upper Darby, assignors to Wyeth Incorporated, Philadelphia, Pa. N-alkylamino-methyl-phenylpropane and preparing same. 2,597,445, May 20.

Bruce, William F., Havertown, Pa., and V. J. Webers, Racine, Wis., assignors to Wyeth Incorporated, Philadelphia, Pa. Leuckart synthesis. 2,603,661, July 15.

Brück, Lothar: *See*—
Huber, Harry, and Brück.

Brück, Lothar, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Multiple cavity resonator. 2,607,017, Aug. 12.

Brück, Lothar, Paris, France, assignor to Compagnie General de T. S. F. Electron tube for very high frequencies. 2,617,961, Nov. 11.

Brück, Lothar, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil. Very high gain traveling-wave tube. 2,623,193, Dec. 23.

Bruck, William A., assignee: *See*—
Fukal, Alfred F.

Brucker, Ferdinand F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing annular articles. 2,599,046, June 3.

Brucker, Henry, Maplewood, assignor to Seal-Spout Corporation, Newark, N. J. Machine for inserting pouring spouts into containers. 2,589,769, Mar. 18.

Brucksch, William F., Jr., Bethany, and L. H. Howland, Watertown, Conn., assignors to United States Rubber Company, New York, N. Y. Phosphoryl compounds of ester substituted alcohols. 2,583,356, Jan. 22.

Brueckner, Gilbert M., Milwaukee, Wis. Antiloss device. 2,612,669, Oct. 7.

Bruegger, Albert, Philadelphia, Pa. Holding means for preparing artificial silk cakes foldable reels. 2,600,840, June 17.

Bruegger, Z. A., Boise, Idaho. Accelerator pedal switch. 2,623,135, Dec. 23.

Bruemmer, August H.: *See*—
Peters, Carl E., Rau, and Bruemmer.

Bruengger, Heinrich: *See*—
Graenacher, Charles, and Bruengger.
Graenacher, Charles, Siegrist, and Bruengger.

Bruening, Lee P., Glendale, Calif. Pivoted blade mounted on a thimble. 2,611,953, Sept. 30.

Bruestle, Armin O., assignor to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Mining machine bit and block. 2,613,069, Oct. 7.

Bruestle, Carl O., Metuchen, assignor to Syncro Machine Company, Perth Amboy, N. J. Reel chuck cradle for stranding machines. 2,593,838, Apr. 22.

Bruestle, Carl O., Metuchen, assignor to Syncro Machine Company, Perth Amboy, N. J. Wire clamp and cutter for spooling machines. 2,600,841, June 17.

Bruewer, Henry, assignor to The Schmible Company, Cincinnati, Ohio. Faucet spout. 2,585,997, Feb. 19.

Brugmann, Frank J., Greeley, Colo. Tool for removing hub caps. 2,590,150, Mar. 25.

Brugmann, Frank J., Greeley, Colo. Spanner type flywheel rotating tool. 2,612,067, Sept. 30.

Brugmann, William H., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Antioxidant. 2,600,154, June 10.

Bruhl, Louis R., Chicago, Ill. Glare shield. 2,596,836, May 13.

Bruinier, Jacob G., Zaandam, Netherlands. Preparing alcoholic beverages. 2,608,484, Aug. 26.

Bruining, Hajo: *See*—
De Boer, Floris, Bruining, and Schagen.

Bruining, Hajo, Floris de Boer, and P. Schagen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray image converter tube. 2,613,330, Oct. 7.

Bruins, Paul F., Douglaston, and E. J. Kurtz, Brooklyn, N. Y., assignors to National Southern Products Corporation. Vinyl resin plasticized with a mixture of a monohydric alcohol ester of the maleic anhydride adduct of rosin acid and a monohydric alcohol ester of a fatty acid. 2,585,222, Feb. 12.

Brumbaugh, Chester C., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Heat exchange method. 2,615,688, Oct. 28.

Brumbaugh, Harold C., assignor of one-third to M. E. Krueger and one-third to H. Heltzel, Portland, Oreg. Folding bed for trailers. 2,581,576, Jan. 8.

Brumbaugh, Isaac V., Clayton, Mo. Gas burner with vertically spaced ports and interior baffle. 2,609,871, Sept. 9.

Brumberger, Sydney, Lawrence, N. Y. Device for viewing slides. 2,594,390, Apr. 29.

Brumby, Augusta K., Atlanta, Ga. Baby's toy and support therefor. 2,598,218, May 27.

Brummel, Gordon T., Chicago, Ill. Hook. 2,583,320, Jan. 22.

Brummer, Olin, Crete, Ill. Cartridge type seal. 2,598,886, June 3.

Brummer, Olin, Oak Park, Ill. Sealing unit. 2,586,297, Feb. 19.

Brummerstedt, Egon F., assignor to Foster Wheeler Corporation, New York, N. Y. Catalyst vessel. 2,614,034, Oct. 14.

Brun, Max A., Rombas, and L. F. Sauvage, Homecourt, assignors to Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme), and Societe Lorraine des Acieries de Rombas (Societe Anonyme), Paris, France. Distributing device for the charge of shaft furnaces. 2,586,298, Feb. 19.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Window operator. 2,599,744, June 10.

Brundage, Clinton F., Macedon, assignor to Graflex, Inc., Rochester, N. Y. Photoflash bulb supporting and ejecting means. 2,596,887, May 13.

Brundage, John H.: *See*—
Brandt, Walter, and Brundage.

Brundage, William F., and G. O. Huntzinger, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Graph duplication. 2,600,201, June 10.

Brundin, Nils H., Hoganas, Sweden, assignor to Ekstrand & Tholand, Inc., New York, N. Y. Recovering concentrates of vanadium and/or uranium from raw materials. 2,587,286, Feb. 26.

Brune, Mae L.: *See*—
Myers, Mae L.

Brunelle, Henry E., Jr., Schenectady, N. Y., and L. S. Molde, Montevideo, Minn., assignors to General Electric Company. Ignition system. 2,602,149, July 1.

Bruner Corporation, assignee: *See*—
Palmer, Vernon J.

Bruner, Frank H., Fishkill, H. V. Hess, Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Separation of oxygen-containing organic compounds from aqueous mixtures. 2,605,276, July 29.

Bruner, George W., assignor to Vonnegut Moulder Corporation, Indianapolis, Ind. Abrasive head. 2,601,499, June 24.

Bruner, George W., and J. C. Shaffer, assignors to Vonnegut Moulder Corporation, Indianapolis, Ind. Abrasive head. 2,600,613, June 17

Bruner, Harold E., Akron, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Herbicidal composition and method. 2,615,802, Oct. 28.

Bruner, Marvin J., assignee: *See*—
Ritter, Saul.

Bruner, Reuben G., Ferndale, Mich. Pickup for harvesters. 2,606,416, Aug. 12.

Bruner, Walter M., Wilmington, and E. T. Darden, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azeotropic distillation of propionamide. 2,609,336, Sept. 2.

Brunet, Louis M., Tarbes, France. Footwear. 2,588,801, Mar. 11.

Brunetti, Cledo, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Nonplanar printed circuits and structural unit. 2,611,040, Sept. 16.

Brunetti, Leonello, Mountain View, Calif. Amalgamator. 2,614,693, Oct. 21.

Brunger, Robert G.: *See*—
Robb, Russell V., and Brunger.

Bruning, Charles, Company, assignee: *See*—
Schulze, John J.

Brunings, John H., assignee: *See*—
Moldenhauer, August J.

Brunk, Chester A., Chico, Calif. Handle for boxes. 2,602,688, July 8.

Brunk, Leslie L., St. Petersburg, Fla. Distributor plate. 2,617,899, Nov. 11.

Brunner, Albert, Jennings, assignor to Wagner Electric Corporation, St. Louis, Mo. Split retaining ring arrangement for piston packing. 2,601,085, June 17.

Brunner, August H., Jr., and R. H. Zappert, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Regeneration of exhausted silver bleach solutions by means of N-bromo compounds. 2,611,700, Sept. 23.

Brunner, Wilbur C.: *See*—
Kyle, Joseph H., Adams, and Brunner.

Bruno, Joseph J., assignee: *See*—
Furlong, Donn B.

Bruno, Samuel J., Belleville, assignor to The Thomas Wright Co., Inc., Jersey City, N. J. Coal delivery truck and depositing conveyer. 2,589,988, Mar. 18.

Bruns, Herbert F., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine plate clamp. 2,586,146, Feb. 19.

Bruns, Howard B., San Francisco, Calif. Fish landing net. 2,597,447, May 20.

Bruns, Louis E. and T. M., Hecla, S. Dak. Bale loading attachment for balers. 2,613,591, Oct. 14.

Bruns, Theodore M.: *See*—
Bruns, Louis E. and T. M.

Bruns, William H., Lincolndale, and S. Davis, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Safety mechanism for doors. 2,601,250, June 24.

Brunschweiler, A., & Co., Metallwarenfabrik, assignee: *See*—
Wolff, Josef.

Brunsell, Robert O., Evansville, Wis. Electric stop mechanism for jeeps. 2,598,757, June 3.

Brunsing, Rex L.: *See*—
Beardsley, Melville W., and Brunsing.

Brunsing, Rex L., assignor to Vacuum Cooling Company, San Francisco, Calif. Thermometer and determining temperature in a vacuum cooling chamber for cooling vegetables. 2,585,086, Feb. 12.

Brunson Instrument Company, Inc., assignee: *See*—
Moore, William D.

Brunson, Virgil A., assignor to Blackmer Pump Company, Grand Rapids, Mich. Measuring pump counter. 2,601,950, July 1.

Brunstad, Julius M., Colfax, Wis. Liquid cooler. 2,600,474, June 17.

Brunsvold, Earle M., Glen Lake, Minn. Ash tray. 2,589,989, Mar. 18.

Brunswick-Balke-Collender Company, The, assignee: *See*—
Fleming, Lawrence M.
Harris, Forist.
Montooth, George A.
Montooth, George A., and Bowen.
Whipple, Jack V., and G. P. and E. P. Bentley.

Brunt, Marvin C., Benkelman, Nebr. Convertible disk harrow. 2,608,040, Aug. 26.

Brunton, Donald A.: *See*—
Hoover, Paul L., and Brunton.

Brunton, Ray M., Long Beach, Calif. Differential pressure relief valve. 2,596,368, May 13.

Brunt, Louis E., assignor to Wayne Candles, Inc., Fort Wayne, Ind. Method and apparatus for manufacturing contections. 2,607,303, Aug. 19.

Brus, Emile P., Kansas City, Mo. Portable electric service lamp. 2,591,131, Apr. 1.

Brusatori, Emil, assignee: *See*—
Paul, Leonard B.

Brusdal, Olaf, Scotia, N. Y., assignor to General Electric Company. Nozzle. 2,593,096, Apr. 15.

Brush, Clyde E., Oakland, Calif. Feed mechanism for firearms. 2,601,735, July 1.

Brush Development Company, The, assignee: *See*—
Arndt, John P., Jr.
Arndt, John P., Jr., and Shomer.
Begun, Semi J.
Begun, Semi J., and Deucher.
Brajer, Edwin J.
Bratton, Robert A.
Chambers, Lawrence B.
Jaffe, Hans.
Kornei, Otto.
Lynch, Thomas E.
Parkinson, David B., and Bielecki.
Rutter, Donald E., Shaper, and Brown.
Swinehart, Frank.
Williams, Alfred L. W.
Zapponi, Paschal P.

Brush, Don D., Oregon City, Oreg., assignor of one-half to M. Jabczenski. Hull construction. 2,619,065, Nov. 25.

Bruske, Walter J., Fall Creek, Wis. Cover catching and holding attachment for can openers. 2,580,887, Jan. 1.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymers. 2,601,251, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions. 2,601,252, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions and shaping same. 2,601,253, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymer solutions in a cyclic carbonate solvent containing a ketone as a discoloration inhibitor. 2,601,255, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymers. 2,601,256, June 24.

Bruson, Herman A., Shaker Heights, and T. W. Riener, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions and shaping same. 2,601,254, June 24.

Brusse, Archie B., assignor to Rocky Mountain Metal Products Co., Denver, Colo. Orthodontic bracket. 2,582,230, Jan. 15.

Brussel, Fred H., assignee: *See*—
McLeod, Roy D.

Brussel, Sophia L., coexecutrix, assignee: *See*—
McLeod, Roy D.

Brutsch & Co., assignee: *See*—
Scheiwiller, Karl.
Urscheler, Emil.

Brutus, Lee N., Eaton, Ohio. Making threaded locking devices. 2,607,956, Aug. 26.

Brutus, Lee N., Eaton, Ohio. Lock screw or the like. 2,608,229, Aug. 26.

Bruyere, Andres and J. A. R. Bruyère, Vincente Lopez, Argentina. Device and process for producing champagne, sparkling wines, and other fermented beverages. 2,610,123, Sept. 9.

Bruyère, Juan A. R.: *See*—
Bruyere, Andres and J. A. R.

Bruyning, Hugo G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase modulated inductive output tube oscillator system. 2,617,091, Nov. 4.

Bruzau, Marie, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Growing piezoelectric crystals. 2,615,797, Oct. 28.

Bryan, Charles B.: *See*—
Ostermann, Hans J., Wilkens, and Bryan.

Bryan, Frederick A.: *See*—
Taplin, George V., and Bryan.

Bryan Full Fashioned Mills, Incorporated, assignee: *See*—
Cobert, Arthur J.

Bryan, Harold E., La Jolla, Calif. Radio beacon for indicating bearing on vehicles. 2,603,776, July 15.

Bryan, Lloyd L., assignor to H. C. Price Co., Bartlesville, Okla. Apparatus for coating pipes. 2,602,980, July 15.

Bryan, Mose A., Oklahoma City, Okla. Drill stem wiper. 2,580,727, Jan. 1.

Bryans, John R., assignee: *See*—
Scott, Philip B.

Bryant, Austin U., Berkeley, Calif., assignor, by mesne assignments, to Grove Regulator Company. Flow control valve. 2,608,209, Aug. 26.

Bryant, Chester, assignee: *See*—
Martin, Thomas A.

Bryant Chucking Grinder Company, assignee: *See*—
Arms, Merton H.
Bryant, William J., Gates, and Ljunggren.
Bryant, William J., Ljunggren, and Moore.
Cornell, Elton S.
Demuth, Galan W.
Durland, Philip C.
Gates, Hesslar H.
Gates, Hesslar H., and Grobey.
Ljunggren, Thor H.
Moore, Willis F.

Bryant, Claude F., Shreveport, La. Tackle holder. 2,595,051, Apr. 29.

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Pneumatic clutch. 2,618,366, Nov. 18.

Bryant, Edwin E., assignor to Nelson Muffler Corporation, Stoughton, Wis. Muffler with a plurality of expansion chambers. 2,614,647, Oct. 21.

Bryant Electric Company, The, assignee: *See*—
Webster, Benjamin C.

Bryant, Eugene E., Bedford, Ohio, assignor to the United States of America as represented by the Secretary of War. Rotary discharge element for hoppers, having helical pockets and an axially slidable shield for adjustably occluding said pockets. 2,603,388, July 15.

Bryant, Eugene E., Bedford, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Porcelain enamel for direct application to metal and producing the same. 2,604,410, July 22.

Bryant, Harvey L., Roselle, N. J. Rotary seaming head. 2,606,515, Aug. 12.

Bryant, Herbert W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 2,607,859, Aug. 19.

Bryant, Joseph A., Lehigh, Iowa. Tile forming machine. 2,584,669, Feb. 5.

Bryant, Leroy F., Louisville, Ky. Saddle attachment for cycle seats. 2,613,723, Oct. 14.

Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reheater control for turbine apparatus. 2,586,510, Feb. 19.

Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reheater control for turbine apparatus. 2,586,511, Feb. 19.

Bryant, Ray W., assignor to Air Hydraulics, Inc., Jackson, Mich. Air operated impact press. 2,610,613, Sept. 16.

Bryant, Samuel D., Philadelphia, Pa. Mechanism to level and erect seat backs. 2,596,760, May 13.

Bryant, William C., Garfield, N. J., and H. Frost, Jr., Yonkers, assignors to Swan-Finch Oil Corporation, New York, N. Y. Grease and grease base. 2,594,286, Apr. 29.

Bryant, William C., Garfield, and A. Giordano, Hackensack, N. J., assignors to Swan-Finch Oil Corporation, New York, N. Y. Greases and compounds for making same and other compositions. 2,604,449, July 22.

Bryant, William J., T. H. Ljunggren, and W. F. Moore, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Internal grinding machine with automatic air gauge sizing. 2,585,533, Feb. 12.

Bryant, William J., Springfield, Vt., H. H. Gates, Charlestown, N. H., and T. H. Ljunggren, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Bore gauge head. 2,590,151, Mar. 25.

Bryce, Elizabeth S., executrix: *See*—
Bryce, James W.
Bryce, James W., and Dickinson.

Bryce, James W., deceased, Glen Ridge, N. J., by E. S. Bryce, Glen Ridge, and The National Newark and Essex Banking Company of Newark, Newark, N. J., executors, and A. H. Dickinson, Greenwich, Conn., assignors to International Business Machines Corporation, New York, N. Y. Summary card punch and collator. 2,603,416, July 15.

Bryce, James W., deceased, by E. S. Bryce, Glen Ridge, and The National Newark and Essex Banking Company of Newark, Newark, N. J., executors, assignors to International Business Machines Corporation, New York, N. Y. Neon drum recording device. 2,606,484, Aug. 12.

Bryce, James W., Glen Ridge, N. J., and R. T. Blakely, Amityville, assignors to International Business Machines Corporation, New York, N. Y. Record card sensing and analyzing means. 2,603,151, July 15.

Bryn, John G., New York, N. Y. Hanger for the frames of pictures, mirrors, and the like. 2,606,730, Aug. 12.

Bryson, Lawrence D., Connellsville, Pa. Adjustable gauge. 2,596,204, May 13.

Bryson, Martha A., Arcadia, Calif. Teething mitten for babies. 2,586,608, Feb. 19.

Bryson, William W.: *See*—
Chandler, Daniel G., and Bryson.

Brzezinski, Walter P., Detroit, Mich. Fishing float. 2,603,905, July 22.

Brzozowski, Witold, Westmount, Montreal, Quebec, Canada, assignor to S. Czarnecki, Walden, N. Y. Helicopter with jet-operated rotor. 2,601,258, June 24.

Bub, Robert A., Penn Township, Allegheny County, and W. G. Young, Stoneboro, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Portable cable coiler. 2,602,599, July 8.

Bubb, Alfred H., Southdene, Port Elizabeth, Union of South Africa. Waist-fitting wearing apparel. 2,581,627, Jan. 8.

Buc, Saul R.: *See*—
Randall, David I., and Buc.

Buc, Saul R., Northampton County, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting material. 2,593,839, Apr. 22.

Buc, Saul R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. m-Phthalimidomethyl derivatives of aniline, nitrobenzene, and nuclear substitution products thereof. 2,593,840, Apr. 22.

Buc, Saul R., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Nitrobenzyl ethers. 2,587,566, Feb. 26.

Buccicone, Dario, Gary, Ind. Belt mounting for magnetic rail conveyers. 2,600,475, June 17.

Buccino, Jerry M. and J. J., Canoga Park, Calif. Fastening device for brake linings. 2,590,749, Mar. 25.

Buccino, Julius J.: *See*—
Buccino, Jerry M. and J. J.

Buchal, Werner, Bel Air, and C. H. Cooke, assignors to The Glenn L. Martin Company, Middle River, Md. Actuating mechanism and support for bomb bay doors. 2,604,281, July 22.

Buchan, Frederick E., assignor to the United States of America as represented by the Secretary of the Interior. Continuous process for thermal extraction of oil shale. 2,601,257, June 24.

Buchan, James, assignor of two-thirds to J. A. King, and John Laird & Son, Limited, Glasgow, Scotland. Powder distributing drum. 2,609,126, Sept. 2.

Buchan, James, assignor of two-thirds to J. A. King and John Laird & Son, Limited, Glasgow, Scotland. Powder container with bellows for expelling the powder therefrom. 2,620,095, Dec. 2.

Buchan, James, assignor of two-thirds to John Laird & Son, Limited, and J. A. King, Glasgow, Scotland. Powder distributing drums. 2,620,096, Dec. 2.

Buchanan, A. A., assignee: *See*—
West, Thomas S.

Buchanan, Helen M., Hightstown, N. J. Appliance for preventing frizzing and kinking of hair during permanent waving operation. 2,603,225, July 15.

Buchanan, Michael K., Norfolk, Va. Ice tray. 2,599,972, June 10.

Buchanan, Robert A.: *See*—
Hibbard, Lloyd J., Casanova, and Buchanan.
Robertson, Nat C., and Buchanan.

Buchanan, Russell B., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Toll supervisory operator's telephone circuit. 2,619,549, Nov. 25.

Buchanan Steel Products Corporation, assignee: *See*—
Mils, Edward L., and Donahue.

Buchanan, William H., Writtle, assignor to Cinema-Television Limited, London, England. Cathode-ray tube. 2,593,261, Apr. 15.

Bucher, Fred J., Library, Pa. Leakage indicator and protective equipment for direct current distributing circuits. 2,585,734, Feb. 12.

Bucher, Fred J., Library, Pa. Direct current circuit breaker tester. 2,614,150, Oct. 14.

Buchholz, Arnold R., and W. A. Barganz, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Feed control for counting machines. 2,581,074, Jan. 1.

Buchi, Alfred, Winterthur, Switzerland. Outlet guiding arrangement. 2,596,646, May 13.

Buchi, Alfred, Winterthur, Switzerland. Outlet guiding arrangement. 2,596,647, May 13.

Büchi, Alfred, Winterthur, Switzerland. Compressing machine such as centrifugal blower or pump. 2,613,609, Oct. 14.

Buchner, Guy M., Holdenville, Okla. Pull actuated trap hook. 2,589,533, Mar. 18.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Fuse system. 2,601,429, June 24.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flip-flop circuit for operating a switch. 2,616,980, Nov. 4.

Buchy, Louis G., and H. Marion, Connersville, Ind., assignors to Avco Manufacturing Corporation, Detroit, Mich. Drawer skid for sink cabinets and base cabinets. 2,606,091, Aug. 5.

Buck, Alvin J., Elkhart, Ind. Armrest for vehicle seats. 2,619,155, Nov. 25.

Buck, Andrew P. W., St. Paul, assignor of one-half to W. A. Kostick, Minneapolis, Minn. Grain unloading machine. 2,613,003, Oct. 7.

Buck, Eugene W., Campbell, assignor of one-third to A. Cano, Santa Clara, Calif. Portable magnetic-base drill. 2,622,457, Dec. 23.

Buck, Frank H., Brandywine Hundred, M. M. Luskin, New Castle Hundred, and M. T. Sanders, Brandywine Hundred, assignors to Atlas Powder Company, Wilmington, Del. Crystallization of sorbitol. 2,594,863, Apr. 29.

Buck, Glenn, Wittenberg, Wis. Mailbox support. 2,605,073, July 29.

Buck, Harland H., Toledo, Ohio. Soap holder. 2,583,207, Jan. 22.

Buck, Homer G., Los Angeles, Calif., assignor to By-Buk Company. Sign and making the same. 2,591,779, Apr. 8.

Buck, Johannes S., Glenmont, and B. F. Tullar, East Greenbush, assignors to Sterling Drug Inc., New York, N. Y. Preparation of 5,7-bisdehydrosteroids. 2,615,904, Oct. 28.

Buck, Joseph A., Berkey, Ohio. Door latch. 2,621,954, Dec. 16.

Buck, Lamb G., Apalachicola, Fla. Sportsman's garment. 2,620,479, Dec. 9.

Buck, Robert M.: *See*—
Campbell, Donald A., and Buck.

Buck, Robert M., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Gas burner including combustion tunnel. 2,581,075, Jan. 1.

Buck, Willard E.: *See*—
Barkas, Walter H., and Buck.

Buck, Willard E., Los Alamos, N. Mex. Infrared receiver. 2,623,183, Dec. 23.

Buck, William H.: *See*—
Clapetta, Frank G., and Buck.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Compensating brake cam follower. 2,592,536, Apr. 15.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Seal. 2,593,410, Apr. 22.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power-operated multistage speed selector mechanism. 2,605,749, Aug. 5.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle with means for laterally stabilizing tandem drive axles and transmitting brake and drive torque reactions to the frame. 2,607,431, Aug. 19.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Spider mounted bracket for air brakes. 2,619,202, Nov. 25.

Buckendale, Lawrence R., and E. V. Elconin, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Pintle hook. 2,609,213, Sept. 2.

Buckens, William T., Bridgeport, Conn. Device with adjustable bearings for opening envelopes. 2,596,467, May 13.

Bucker, Edward R.: *See*—
Sweetser, Sumner B., Russell, and Bucker.

Buckeridge, Roger M., assignor to Goodman Manufacturing Company, Chicago, Ill. Belt conveyer system. 2,586,782, Feb. 26.

Buckeridge, Roger M., assignor to Goodman Manufacturing Company, Chicago, Ill. Belt conveyer system. 2,589,220, Mar. 18.

Buckey, Jefferson P., deceased, Easton, Conn.; J. F. McGowan, administrator, assignor to J. T. Kilbride, Stratford, Conn. Vacuum cleaner with sterilizing means. 2,590,152, Mar. 25.

Buckeye Aluminum Company, The, assignee: *See*—
Fry, Clifford W.

Buckeye Cotton Oil Company, assignee: *See*—
Rice, James V.
Rowe, Steward.
Weiss, Clarence B., and Dean.

Buckeye Incubator Company, The, assignee: *See*—
Berry, Jack R.

Buckeye Steel Castings Company, The, assignee: *See*—
Moeller, Harry A., and Orr.
Orr, Claude L., and Settles.
Settles, James C., and Furniss.
Wolfe, Harry H.

Buckeye Tools Corporation, assignee: *See*—
Steurer, George E.

Buckholdt, Robert E., Salem, Ohio, assignor, by mesne assignments, to Salem Brosius, Inc., Pittsburgh, Pa. Conveyer, particularly for heating furnaces. 2,583,764, Jan. 29.

Buckingham, William D., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Magnetically influenced arc device. 2,608,675, Aug. 26.

Buckingham, William D., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Arc regulator apparatus. 2,622,223, Dec. 16.

Buckland, Bruce O., and A. Howard, Schenectady, N. Y., assignors to General Electric Company. Power plant frame structure having air-cooling means for turbine rotors and exhaust frame struts. 2,591,399, Apr. 1.

Buckland, Bruce O., Schenectady, and D. C. Berkey, Scotia, N. Y., assignors to General Electric Company. Atomizing nozzle for spraying viscous liquids. 2,595,759, May 6.

Buckland, Bruce O., Schenectady, and A. J. Nerad, Alplaus, N. Y., assignors to General Electric Company. Fuel-air mixing device. 2,602,292, July 8.

Buckland, Bruce O., Schenectady, N. Y., and A. H. Morey, Erie, Pa., assignors to General Electric Company. Locomotive exhaust deflector. 2,609,766, Sept. 9.

Buckland, Stuart G., Sale, and G. E. Hopkins, Withington, assignors to Hopkins & Buckland Limited, Manchester, England. Gate or the like. 2,594,864, Apr. 29.

Buckle, Leslie G., Sheffield, England. Blowpipe or cutting torch for flame cutting or removal of metal. 2,622,668, Dec. 23.

Buckle, Richard H., executor: *See*—
Hewitt, Donald H., and Armitage.
Wakeford, Leslie E., and Hewitt.

Buckles, Paul E.: *See*—
Twells, Robert, and Buckles.

Buckley, Charles W.: *See*—
Smith, Edwin K., Jr., and Buckley.

Buckley, Clayton G., Sidney Center, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,604,499, July 22.

Buckley, Daniel F., Belmont, Mass. Gas conversion apparatus. 2,586,416, Feb. 19.

Buckley, Jay S., Jr., Groton, Conn., assignor to Chas. Pfizer & Co., Inc. Decreasing fluorescence of synthetic caffeine. 2,584,839, Feb. 5.

Buckley, John L., Tenafly, N. J., assignor to United States Rubber Company, New York, N. Y. Wiper for drill pipes having a lubricant cavity. 2,611,146, Sept. 23.

Buckley, John L. and L. G., Olympia, assignors of one-eighth to B. B. Berken, Seattle, one-eighth to K. B. Ogle, Mercer Island, Wash., and one-eighth to E. B. Martin, Eugene, Oreg. Panel embossing machine. 2,612,102, Sept. 30.

Buckley, Lawrence G.: *See*—
Buckley, John L. and L. G.

Buckman, Edward A., Los Angeles, and T. F. Morson, San Diego, Calif.; said Buckman assignor to said Morson. Multiple rate valve. 2,584,422, Feb. 5.

Buckmann, John P., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Pest control. 2,618,582, Nov. 18.

Bucknell, Ernest H., assignee: *See*—
Bentley, Clarence H.
Bletcher, Ralph E., Bentley, and Bucknell.

Bucknell, Mabel, assignee: *See*—
Bentley, Clarence H.
Bletcher, Ralph E., Bentley, and Bucknell.

Bucknell, William H., Norwalk, Conn., and E. Miessmer, Yonkers, assignors to Eastern Laboratories, Inc., New York, N. Y. Hair drier. 2,591,669, Apr. 8.

Buckner, Gertrude H., Detroit, Mich. Clip. 2,622,604, Dec. 23.

Buckner Manufacturing Company, assignee: *See*—
Royer, John A.

Buckwalter, Charles, Norristown, Pa. Wheel and tire for airplanes. 2,620,010, Dec. 2.

Buckwalter, Frank H., Dewitt, assignor to Bristol Laboratories Inc., Syracuse, N. Y., Dibenzylamine salts of penicillin. 2,585,432, Feb. 12.

Bucky, Gustav, New York, N. Y. Close-up stereo camera. 2,601,088, June 17.

Bucsko, Eugene J., and V. T. Wedrite, Pontiac, Mich. Scaffold bracket. 2,605,074, July 29.

Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O., and Lonngren.
Grundvig, Knut E.
Meier, Johann H.
Mork, George W.
Mork, George W., and Reuter.
Thierry, John A.

Budal, Steve G.: *See*—
Conley, Frank, and Budal.

Budd Company, The, assignee: *See*—
Dean, Albert G.
Dean, Albert G., and Chandlee.
Dean, Walter B. and A. G.
Eksergian, Carolus L.
Gaenssle, Paul W.
Gaenssle, Paul W., and Coombes.
Greenshields, Robert O.
Greenshields, Robert O., Schmidt, and Kay.
Ledwinka, Joseph, and Trautvetter.
Lindsay, Alexander R.
Lyon, John C.
Murphy, Gooodrich K.
Ridgway, Edmund T.
Schiff, Karl.
Schiff, Karl L.
Temple, Robert B., and Spohn.
Watter, Michael.
Watter, Michael, and Lyon.

Budd, Larry J., Chicago, assignor to Pallet Devices, Inc., Melrose Park, Ill. Pallet container assembly for shipping articles. 2,594,287, Apr. 29.

Budd, Larry J., Chicago, assignor to Pallet Devices, Inc., Des Plaines, Ill. Palletized shipping structure. 2,607,475, Aug. 19.

Budd, Robert, Wilmington, N. C. Hair dresser's guide. 2,595,564, May 6.

Budd, Robert D., Denver, Colo., assignor to Goodman Manufacturing Company, Chicago, Ill. Driving rock tunnels. 2,622,403, Dec. 23.

Budd, Wilbert H., assignor to Chicago Telephone Supply Corporation, Elkhart, Ind. Fastening device. 2,616,643, Nov. 4.

Buddenhagen, Frederick E., Hamden, assignor to The Armstrong Rubber Company, West Haven, Conn. Tire casing with noiseless tread. 2,612,928, Oct. 7.

Budelman, Chris D., Portland, Oreg. Auxiliary adjustable pot handle. 2,609,563, Sept. 9.

Buder, Karl, assignor to Josef Saller Maschinenfabrik, Augsburg, Germany. Yarn brake. 2,618,445, Nov. 18.

Budisch, Paul D., Milwaukee, Wis. Lock for outboard motors. 2,615,323, Oct. 28.

Budka, Melvin I.: *See*—
Kahn, Elliott H., Budka, and Friedman.

Budlane, Stanley J.: *See*—
Dusek, Robert, and Budlane.

Budlane, Stanley J., Chicago, Ill., assignor to Motorola, Inc. Fuel feeding system for heaters. 2,588,348, Mar. 11.

Budlane, Stanley J., assignor to Motorola, Inc., Chicago, Ill. Heater control apparatus. 2,588,350, Mar. 11.

Budlane, Stanley J., assignor to Motorola, Inc., Chicago, Ill. Internal-combustion heater. 2,588,352, Mar. 11.

Budlane, Stanley J., and R. Dusek, Chicago, assignors to Dulane, Inc., River Grove, Ill. Electric deep fat frier. 2,593,392, Apr. 15.

Budnick, Abraham M.: *See*—
Berg, Nels O., and Budnick.

Budnick, Abraham M., and N. O. Berg, Seattle, Wash. Custer. Re. 23,459, Feb. 12.

Budny, Walter V., Ossining, N. Y. Pocket attached holder. 2,613,413, Oct. 14.

Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Bracket structure for pivotally supporting rearview mirrors carrying arms. 2,616,648, Nov. 4.

Budy, Albert C., Cleveland, Ohio. Stringer and carrier for fish, game, or other objects. 2,592,389, Apr. 8.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Mechanism for weaving. 2,580,994, Jan. 1.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Loom and weaving. 2,604,123, July 22.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Weaving in shuttleless looms. 2,604,124, July 22.

Bueche, Auguste: *See*—
Bechler, André, Allenbach, and Bueche.

Bueche-Rossé, Henri, Court, Jura Bernois, Switzerland. Mending needle structure. 2,590,375, Mar. 25.

Buechel, Joseph C., Wakefield, Mass., assignor to General Electric Company. Air inlet screen for gas turbines. 2,623,610, Dec. 30.

Buechner, William W.: *See*—
Van de Graaff, Robert J., and Buechner.

Buecken, Hans E., assignor to National Rubber Machinery Company, Akron, Ohio. Temperature controlled fluid supply apparatus. 2,600,842, June 17.

Bueckermann, John V., Denver, Colo. Valve refinishing tool. 2,588,353, Mar. 11.

Buedingen, William L., Rochester, N. Y. Kitchen tool and utensil. 2,601,087, June 17.

Buehl, Russell C., Edgewood, Pa., assignor to the United States of America as represented by the Secretary of the Interior. Removal of sulfur from sponge iron. 2,603,423, July 15.

Buehl, Russell C., Pittsburgh, Pa., assignor to the United States of America as represented by the Solicitor of the Department of the Interior. Instrument for measuring the carbon content of steel. 2,621,234, Dec. 9.

Buehler, Arthur: *See*—
Widmer, Willy, and Buehler.
Widmer, Willy, Buehler, and Roesti.
Widmer, Willy, Reich, and Buehler.

Buehler and Company, assignee: *See*—
Edwards, Francis E., Jr.
Herst, Richard J., and Petry.

Buehler, Maurice E., Dayton, Ohio. Measurement of displacement. 2,604,527, July 22.

Buehler, Robert O., assignee: *See*—
Herst, Richard J., and Petry.

Buell, Albert H., Erie, Pa. Mold. 2,583,626, Jan. 29.

Buelow, Herman, Chicago, Ill. Trouser pocket structure. 2,596,525, May 13.

Buelow, William A., Long Beach, Calif. Wrist-type bobby pin holder and spreader. 2,600,092, June 10.

Buenger, Edward F., River Forest, and F. D. Wedge, Oak Park, assignors to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,612,167, Sept. 30.

Buenik, William G., River Forest, Ill. Tire inflation-relief valve. 2,606,570, Aug. 12.

Buensod-Stacey, Incorporated, assignee: *See*—
Lyman, Samuel E.

Buerger, Herbert, Walton, N. Y. Automobile window ventilator or similar article. 2,608,435, Aug. 26.

Buerosse, Henry P.: *See*—
Huebl, Clarence G., and Buerosse.

Buescher, Arthur, Detroit, Mich, Arbor. 2,588,354, Mar. 11.

Bufardeci, Nunci, San Leandro, Calif. Folder for sewing machines. 2,607,308, Aug. 19.

Buff, William J., Monmouth Beach, N. J. Surveying instrument tripod head. 2,614,780, Oct. 21.

Buffalo-Eclipse Corporation, assignee: *See*—
Denis, Jean C.
Johnson, Horace J.

Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Greenspan, Frank P., and MacKellar.
McEwen, Robert L.
McEwen, Robert L., and Sheldon.

Buffenmyer, Wayne L., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Continuous maximum-reading damped pressure gauge. 2,603,092, July 15.

Buffet, Paul: *See*—
Ahler, George C., and Buffet.

Buffington, Herman L. and J. K., Punxsutawney, Pa. Apparatus for cooling and dispensing liquids. 2,610,101, Sept. 9.

Buffington, John K.: *See*—
Buffington, Herman L. and J. K.

Bugbee and Niles Company, assignee: *See*—
Feid, Charles.

Bügel, Roelof D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrolytic condenser. 2,609,426, Sept. 2.

Bügel, Roelof D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrolytic capacitor. 2,616,799, Nov. 4.

Bugenhagen, George H., Midland, Mich. Multipane window sash. 2,605,519, Aug. 5.

Bugenhagen, George H., Minot, N. Dak. Garment hanger. 2,618,418, Nov. 18.

Bugenhagen, George H., Minot, N. Dak. Garment hanger. 2,620,952, Dec. 9.

Bugg, Charles H., East Detroit, assignor of one-third to A. C. Troden, and one-third to W. A. Paxton, Detroit, Mich. Paint roller applicator. 2,605,487, Aug. 5.

Bugg, Charles H., East Detroit, assignor of one-third to A. C. Troden, and one-third to W. A. Paxton, Detroit, Mich. Hollow paint containing and applying roller. 2,605,488, Aug. 5.

Bugg, Kenly C., Fort Wayne, Ind. Tobacco pipe. 2,581,169, Jan. 1.

Bugg, Kenly C., Fort Wayne, Ind. Stitch and seam opener. 2,597,564, May 20.

Bugg, Kenly C., Fort Wayne, Ind. Line tightener. 2,607,560, Aug. 19.

Bugg, Kenly C., Fort Wayne, Ind. Fastener. 2,610,379, Sept. 16.

Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg. Balance reel. 2,596,648, May 13.

Bugg, Virgil: *See*—
Wilson, Forest, and Bugg.

Buggie, H. H., & Company, assignee: *See*—
Sprigg, Edward A.

Bugos, John, Alpha, assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyers. 2,581,350, Jan. 8.

Buhl, Walter T., Shaker Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Gyro vertical. 2,608,868, Sept. 2.

Bühler, Adolf, Arbon, Switzerland. Weighted denture. 2,616,175, Nov. 4.

Bühler, Gebrüder, assignee: *See*—
Hummel, Charles.

Buhman, Charles C.: *See*—
Gilbert, Lloyd O., and Buhman.

Buhman, Conrad J., and J. A. Nelson, assignors to Cribben and Sexton Company, Chicago, Ill. Gas fueled broiler burner with solid and foraminous flame baffle. 2,602,497, July 8.

Buhr, Claire E., and D. C. Glassie, Washington, D. C. Combined ironing board and seat assembly. 2,606,380, Aug. 12.

Buhrendorf, Frederick G., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic transducer head. 2,592,652, Apr. 15.

Bührer, Erwin, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Arrangement for treating metal parts. 2,619,781, Dec. 2.

Builders Iron Foundry, assignee: *See*—
Bradley, Earl H.
Hagenau, Walter A.
Thoresen, John C.

Builders Ornamental Iron Company, assignee: *See*—
Elam, Jess L.

Buisman, Jan A. K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing 7-halogen sterol esters. 2,585,998, Feb. 19.

Buisson, Pierre, Vanves, France. Apparatus for measurements by variation of electrical capacity. 2,611,964, Sept. 30.

Buivid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade support 2,614,640, Oct. 21

Buivid, Michel D., Milford, and R. P. Alex, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Helicopter control. 2,599,690, June 10.

Bujaky, Frank, Miami Beach, Fla. Slip-on fishline sinker. 2,599,973, June 10.

Bukaty, Raymond M., Montclair, N. J., assignor to General Electric Company. Work coil. 2,599,229, June 3.

Buker, Vernon W.: *See*—
Allen, Kenneth F., and Buker.

Bula, Frank J., Speedway, Ind., assignor of one-third to V. T. Connor and one-third to T. Kruse, Chicago, Ill. Simulated bowling game. 2,609,203, Sept. 2.

Bulcao, Wilbur H.: *See*—
Huggins, Leroy G., and Bulcao.

Bulk Barites, Inc., assignee: *See*—
Kane, Arthur R.

Bulk, Norma, New York, N. Y. Hairpin dispenser. 2,623,802, Dec. 30.

Bulkley, William L., Munster, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,598,035, May 27.

Bull, Cabot S., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, England. Electron discharge device. 2,602,905, July 8.

Bull, Cabot S., Hillingdon, and A. H. Atherton, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Secondary electron emissive electrode and its method of making. 2,585,534, Feb. 12.

Bull, Eric W., Hounslow, assignor to Electric & Musical Industries Limited, Hayes, England. Television receiving apparatus. 2,613,333, Oct. 7.

Bull, Eric W., Hounslow, Middlesex, assignor to Electric & Musical Industries Limited, Hayes, England. Scanning circuit arrangement for television and the like apparatus. 2,621,307, Dec. 9.

Bull, Eric W., Hounslow, and M. E. Pemberton, assignors to Electric & Musical Industries Limited, Hayes, England. Circuits for generating electrical oscillations of sawtooth waveform. 2,620,443, Dec. 2.

Bull, George S.: *See*—
Gibson, William, and Bull.

Bull, Gifford: *See*—
Harcum, William M., and Bull.

Bull, Glen C., Richmond, Ind. Protective covering for oil tanks. 2,583,321, Jan. 22.

Bull, John, Rubber Company Limited, assignee: *See*—
Burton, Hubert H., and Goodman.

Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.
Johnson, Ernest H., and Lindmark.

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Turning work. 2,611,290, Sept. 23.

Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Electrical switch. 2,623,970, Dec. 30.

Bullard, Robinson D., Westport, Conn. Fastener. 2,616,377, Nov. 4.

Bullas, Roy, assignee: *See*—
Weber, Clarence S.

Bull Dog Electric Products Company, assignee: *See*—
Platz, Elwood T.
Platz, Elwood T., and Davis.

Bulliet, Leander J., Rockford, assignor to Odin Corporation, Chicago, Ill. Magnetic grapple can loading machine. 2,609,133, Sept. 2.

Bullinger, Othmar J., Johnstown, Pa. Device for measuring front-wheel play. 2,589,770, Mar. 18.

Bullitt, Orville H., Jr., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Basic catalysis of the polymerization of acrylonitrile. 2,608,554, Aug. 26.

Bullitt, Orville H., Jr., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Base catalyzed polymerizations. 2,608,555, Aug. 26.

Bullock, Edgar Q., Jr., and F. J. Emig, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Abrasion resistant wire enamels. 2,615,001, Oct. 21.

Bullock, Giles E., assignee: *See*—
Denman, Frank.

Bullock, Giles E., Rochester, N. Y. Sprayer. 2,609,973, Sept. 9.

Bulota, Joseph: *See*—
Lagarde, Georges H., and Bulota.

Bulova Watch Company, Inc., assignee: *See*—
Punzmann, Carl.

Bumbaugh, George L., Oaklawn, Ill. Traction device for vehicle wheels. 2,607,389, Aug. 19.

Bumbaugh, George L., Oaklawn, Ill. Traction device. 2,612,202, Sept. 30.

Bump Pump Co., The, assignee: *See*—
Dale, Vernon F., and Reed.

Bumpus, Samuel S.: *See*—
Fields, Glenn R., and Bumpus.

Bumstead, Ralph W., Westfield, N. J., assignor to The Teleregister Corporation, New York, N. Y. System for making reservations. 2,594,865, Apr. 29.

Bumstead, Ralph W., Westfield, N. J. Playing cards. 2,616,701, Nov. 4.

Bunblasky, Adolph: *See*—
Helterline, Leo L., Jr., Best, and Bunblasky.

Bunblasky, Adolph C., New Canaan, assignor to Sorensen & Company, Inc., Stamford, Conn. Three-phase constant frequency electronic power supply. 2,618,772, Nov. 18.

Bunblasky, Adolph O., New Canaan, and A. K. Brown, assignors to Sorensen & Company, Inc., Stamford, Conn. Voltage regulator. 2,607,912, Aug. 19.

Bunch, Peter, Chicago, P. Mittomme, Cicero, and R. Jennings, assignors to Wilson-Jones Company, Chicago, Ill. Casemaker. 2,596,068, May 6.

Bunch, Robert L.: *See*—
Butler, George B., and Bunch.

Bunch, Tillman T., Ashland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,585,999, Feb. 19.

Bunch, Tillman T., near Ashland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand serving apparatus. 2,602,281, July 8.

Bunch, Tillman T., Ashland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Brake for strand-serving apparatus. 2,602,282, July 8.

Bundgus, Nancy G., Larchmont, N. Y. Jar storage and handling unit. 2,616,568, Nov. 4.

Bundy, Maurice C., Kansas City, Kans., assignor to Equipment Manufacturing Co., Inc., Kansas City, Mo. Door mounting mechanism. 2,617,155, Nov. 11.

Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.

Bungay, George W., assignor to Electrographic Corporation, New York, N. Y. Making ready cylindrical printing plate. 2,587,439, Feb. 26.

Bungay, George W., assignor to Electrographic Corporation, New York, N. Y. Power saw for cylindrical printing plates. 2,610,389, Sept. 16.

Bunker, Wilfred E., Aberdeen, Wash. Fish lure. 2,605,573, Aug. 5.

Bunnell, Earl C., Stratford, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Automatic gun charger. 2,590,153, Mar. 25.

Bunnell, Raymond H.: *See*—
Hatcher, David B., and Bunnell.

Bunnell, Raymond H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Organo-silicon compounds. 2,584,544, Feb. 5.

Bunnell, Raymond H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of silicon-containing resins. 2,607,755, Aug. 19.

Bunny Bear, Inc., assignee: *See*—
Linden, Samuel.
Moyer, Hyman.

Buntin, George A., and A. D. Lohr, assignors to Hercules Powder Company, Wilmington, Del. Insecticidal compositions comprising fluorinated chlorinated cyclic terpenes. 2,594,526, Apr. 29.

Bunting, Albert L., Dearborn, assignor to Speedryer, Inc., Detroit, Mich. Hair drier. 2,585,735, Feb. 12.

Buquor, Adolph P., Washington, D. C. Carpet sweeper with disposable dust receptacle. 2,611,913, Sept. 30.

Buquor, Adolph P., Washington, D. C., and R. H. Crouse, assignors to Martin-Parry Corporation, York, Pa. Wall stud and fire wall construction. 2,621,763, Dec. 16.

Buratovich, Mike T., assignee: *See*—
Martin, Clyde M.

Burawoy, Onissim, Didsbury, Manchester, England. Flexible chain coupling. 2,620,639, Dec. 9.

Burbage, George H.: *See*—
Toth, Emerick, and Burbage.

Burbank, William E.: *See*—
McFarland, Arley, Reetz, and Burbank.

Burch, Alvan V.: *See*—
Rude, John F.
Rude, John F., and Burch.

Burch, Arthur R., Berkeley, Calif. Wheel and tire lifter. 2,613,084, Oct. 7.

Burch, Donald J., Denver, Colo. Weatherstrip for metal casement windows. 2,588,697, Mar. 11.

Burch, James R.: *See*—
Jarvis, Samuel F., and Burch.

Burch, Loren P., Aberdeen, Wash. Device for varying curvature of boat keels. 2,612,129, Sept. 30.

Burch, Paul G., Sheffield, Ala. Fruit-coring utensil. 2,612,687, Oct. 7.

Burch Plow Works, Inc., assignee: *See*—
Rude, John F., and Burch.

Burch, Seaborn W., Sr., College Park, Ga. Vaporizing oil burner. 2,585,088, Feb. 12.

Burch, Wilbur A., Warren, Ohio. Device for mixing fluids. 2,612,403, Sept. 30.

Burcham, Walter E., Elkin, N. C. Thread supporting means for shuttles. 2,614,587, Oct. 21.

Burchett, Ray L., East Orange, and W. I. Nissen, assignors to Ronson Art Metal Works, Inc., Newark, N. J. Lighter locking mechanism. 2,588,479, Mar. 11.

Burchsted, Algernon B., Ridgewood, N. J. Lubricating apparatus. 2,593,841, Apr. 22.

Burckhardt, Alfred, Stamford, Conn., assignor to Pitney-Bowes, Inc. Package printing device. 2,588,480, Mar. 11.

Burd, Gorman C., Clearwater, Fla. Chair construction. 2,622,663, Dec. 23.

Burd Piston Ring Co., assignee: *See*—
Colvin, Robert H.

Burd Piston Ring Company, assignee: *See*—
Bates, Albert H.

Burdett, Roy, Long Beach, Calif. Spice can holder. 2,590,149, Mar. 25.

Burdick, Clifford I., Racine, assignor to Snap-On Tools Corporation, Kenosha, Wis. Reversible ratchet mechanism. 2,583,544, Jan. 29.

Burdick Corporation, The, assignee: *See*—
Gilson, Warren E.

Burdick, Frederick E., New London, Conn. Signal attachment for flashlights. 2,581,784, Jan. 8.

Burdick, Harry J. McB., Anaheim, Calif. Projectable nozzle lawn sprinkler. 2,611,644, Sept. 23.

Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Composite metal and wood chair back. 2,602,493, July 8.

Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Back rest for chairs. 2,610,671, Sept. 16.

Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Tilting chair back. 2,612,939, Oct. 7.

Burdick, Richard, Dallas, Tex. Push-bar. 2,582,526, Jan. 15.

Burdick, Will S., Wauwatosa, H. S. Jacobs, Milwaukee, and K. Schneider, Greendale, assignors to Harnischfeger Corporation, Milwaukee, Wis. Crane propelling system and control thereof. 2,604,175, July 22.

Burdin, Nelson V., Coventry, assignor to Scotts Engineering (Newport) Limited, Newport, England. Foil feeding and embossing mechanism for bottle capping and like machines. 2,621,842, Dec. 16.

Burdulis, Peter J., Delhi, Calif. Machine for winding armatures. 2,606,723, Aug. 12.

Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,589,048, Mar. 11.

Bureau van Tongeren N. V., assignee: *See*—
Van der Kolk, Hendrik.

Bureš, Josef, and K. Benák, Pilsen, Czechoslovakia. Mechanical power transmission. 2,621,526, Dec. 16.

Burford, William B., III: *See*—
Fowler, Robert D., Burford, and Anderson.

Burge, James S.: *See*—
Foust, Floyd J., Shaw, McKee, Rider, and Burge.

Burge, James S., Anderson, H. J. McKee, Middletown, and W. M. Rider, L. H. Conrad and F. J. Foust, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Condenser winding testing and sorting apparatus. 2,591,047, Apr. 1.

Burge, William E., Winston-Salem, N. C. Apparatus for cutting blocks. 2,593,726, Apr. 22.

Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Signal control circuit for telephone switching equipment. 2,594,726, Apr. 29.

Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Private branch exchange cord circuit providing warning tone when operator listens in. 2,605,363, July 29.

Burger, Edwin M., Akron, Ohio, and R. E. De Puy, Wilmington, Del., assignors to Wingfoot Corporation, Akron, Ohio. Prosthetic device. 2,605,475, Aug. 5.

Burger, Eric A. K., Philadelphia, Pa. Heat applicator device. 2,619,575, Nov. 25.

Burger, Joseph F., executor: *See*—
Ducker, Louis F.

Burger, Martin: *See*—
Fahey, Richard J., and Burger.

Burger, Martin, Morris, assignor to Shellmar Products Corporation, Chicago, Ill. Carton. 2,605,951, Aug. 5.

Burger, Martin, Morris, assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,608,338, Aug. 26.

Burgess, Arthur R., Harpenden, England, assignor to Imperial Chemical Industries Limited. Synthetic resins stabilized with metal chelate compounds. 2,615,860, Oct. 28.

Burgess Battery Company, assignee: *See*—
Blake, Ivan C.
Coleman, Joseph J.
Coleman, Joseph J., and Louzos.
Lee, Victor A.
Peterson, Jack L.
Simpson, Arthur W.
Wilke, Milton E.

Burgess, Francis T., Maplewood, Mo., assignor to American Car and Foundry Company, New York, N. Y. Railway car. 2,599,606, June 10.

Burgess, Frank H., Ilford, assignor to J. A. Crabtree & Co. Limited, Walsall, England. Electric connector block. 2,597,286, May 20.

Burgess, George W., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Treatment of food products packaged in cylindrical containers. 2,597,223, May 20.

Burgess, John, Camden, N. J., assignor to The Curtis Publishing Company, Philadelphia, Pa. Printing plate fastening. 2,582,960, Jan. 22.

Burgess, L. W., assignee: *See*—
Jordan, James W.

Burgess, Lauren M.: *See*—
Searle, Raymond W., and Burgess.

Burgess, Lauren M., Lexington, assignor to Technology Instrument Corporation, Acton, Mass. Variable resistor construction. 2,606,984, Aug. 12.

Burgess, Louis, Jersey City, N. J. Coffee maker. 2,589,221, Mar. 18.

Burgess, Louis, Jersey City, N. J. Coffee maker. 2,589,222, Mar. 18.

Burgess, Louis, Jersey City, N. J. Coffee maker. 2,589,335, Mar. 18.

Burgess, Louis, Jersey City, N. J. Coffee maker. 2,589,336, Mar. 18.

Burgess, Louis, Jersey City, N. J. Coffee maker. 2,591,132, Apr. 1.

Burgess-Manning Company, assignee: *See*—
Chipley, Alfred S.

Burgess, Maurice W., Joliet, Ill. Detachable flagstaff. 2,601,088, June 17.

Burgess, Neil, Melrose, Mass., assignor to General Electric Company. Fuel system for thermal power plants. 2,598,674, June 3.

Burgess, Robert M., Cullman, Ala. Tractor and cultivator attachment. 2,598,219, May 27.

Burgess, Robert W., Bridgeport, assignor to The Greist Manufacturing Company, New Haven, Conn. Sewing machine attachment. 2,619,924, Dec. 2.

Burgess, Robert W., Bridgeport, C. G. Baehr, West Haven, and J. Connors, Hamden, assignors to The Greist Manufacturing Company, New Haven, Conn. Sewing machine attachment. 2,592,653, Apr. 15.

Burgess, Russell H., assignor to Drying Systems, Inc., Chicago, Ill. Heat pump apparatus. 2,619,812, Dec. 2.

Burgess, Thomas: *See*—
Rookshy, William H., Homer, and Burgess.

Burgesser, Leslie D., Chicago, Ill., assignor to Wells, Inc. Actuated Christmas tree ornament. 2,611,014, Sept. 16.

Burggrabe, Henry A., assignor to F. L. Jacobs Co., Detroit, Mich. Vending machine. 2,582,766, Jan. 15.

Burggrabe, Henry A., Detroit, Mich., assignor, by mesne assignments, to Stator Company. Refrigeration system with multiple stage ejector. 2,605,618, Aug. 5.

Burggren, Ora A., Calgary, Alberta, Canada. Accessory side slope blade for bulldozers. 2,594,727, Apr. 29.

Burghoff, Louis R., Forestville, assignor to The E. Ingraham Company, Bristol, Conn. Providing timepieces with spiral-helix hairsprings. 2,584,786, Feb. 5.

Burgoyne, Charles L., Norwood, Ohio. Closure fastener. 2,588,356, Mar. 11.

Burhans, Eugene C., Lockport, N. Y. Carton opener. 2,595,122, Apr. 29.

Burhans, Paul B., Miami, Fla. Three-way hydraulic cylinder for hydraulic brakes. 2,605,864, Aug. 5.

Burian, Kurt: *See*—
Kitto, William H., and Burian.

Burian, Kurt, assignor to G-M Laboratories, Inc., Chicago, Ill. Shaded pole motor construction. 2,606,223, Aug. 5.

Burian, Kurt, assignor to G-M Laboratories, Inc., Chicago, Ill. Single phase induction motor. 2,606,311, Aug. 5.

Burich, John, San Diego, Calif. Automatic cooling system. 2,597,061, May 20.

Burk, Alma S. and J. A., Lynwood, Calif. Collar supporting attachment for coat hangers. 2,609,976, Sept. 9.

Burk, Don R.: *See*—
Foust, Floyd J., and Burk, and Whelchel.

Burk, James A.: *See*—
Burk, Alma S. and J. A.

Burk, Paul W.: *See*—
Chadwick, George A., and Burk.

Burkard, Victor, Barton, and D. J. Shepherd, Buffalo, N. Y., said Shepherd assignor to said Burkard. Block molding machine. 2,614,308, Oct. 21.

Burkart, William, Denver, Colo. Feed spreader. 2,602,670, July 8.

Burke, Arthur J., Oakland, N. J. Retractable packer table. 2,617,574, Nov. 11.

Burke, Charles E., Ludlow, Ky. Machine for forming solder bars. 2,592,005, Apr. 8.

Burke, Donald J., Kenmore, assignor of one-fifth to A. M. Whitmer, Fredonia, N. Y. Duplicating device. 2,610,580, Sept. 16.

Burke, Edward W., Jr., Flushing, N. Y., assignor to Sylvania Electric Products Inc. Point-contact electrical device. 2,586,609, Feb. 19.

Burke, George J., Arlington, assignor of one-third to W. F. Barrett, Arlington County, Va. Pipe joint. 2,613,088, Oct. 7.

Burke, James A., assignor of one-third to W. J. Gibbons and one-third to M. W. Gibbons, Brandon, Wis. Prop attachment for ladders. 2,592,006, Apr. 8.

Burke, James P., Poland, assignor to M. M. Fibus and J. Marcus, Youngstown, Ohio. Mat control for door opening mechanisms. 2,583,813, Jan. 29.

Burke, Marvin S.: *See*—
Jackson, Ernest W., and Burke.

Burke, Oliver V., Burnham, Canterbury, New Zealand. Safety razor. 2,613,436, Oct. 14.

Burke, Richard J., Corona Del Mar, Calif. Agitating apparatus. 2,598,500, May 27.

Burke, Walter F., assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Manufacturing tapered beams. 2,617,179, Nov. 11.

Burke, William F., and R. L. Essex, assignors to The McBee Company, Athens, Ohio. Automatic gas shutoff device for printing presses. 2,598,346, May 27.

Burke, William F., and R. Connor, Athens, Ohio. Football practice apparatus. 2,602,666, July 8.

Burke, William H., Oakland, Calif. Ventilating shutter. 2,584,982, Feb. 12.

Burkett, Amy: *See*—
Reager, Georgie V., and Burkett.

Burkett, James C., Washington, D. C. Walking aid. 2,580,888, Jan. 1.

Burkett, Wilford B.: *See*—
Heidner, Richard C., and Burkett.
Kircher, Ralph N., and Burkett.

Burkey, Henry T., Hollywood, Calif. Method and apparatus for diverting animal forms of life. 2,605,742, Aug. 5.

Burkey, Henry T., Los Angeles, Calif. Fish diverting apparatus. 2,612,861, Oct. 7.

Burkhalter, Robert R., Toledo, Ohio. Shiftable gear mounting. 2,595,209, Apr. 29.

Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. Lithium 3-thia-7,7,dimethyl-7-trimethylsiloxy-7-silaheptanoate. 2,583,322, Jan. 22.

Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. Organo polysiloxane oils. 2,604,486, July 22.

Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. Organosilicon oils. 2,604,487, July 22.

Burkhard, Charles A., Alplaus, and D. T. Hurd, Schenectady, N. Y., assignors to General Electric Company. Organosilicon aldehydes and preparing the same. 2,588,083, Mar. 4.

Burkhardt, Charles E.: *See*—
Ellis, Belvin B., Horstman and Burkhardt.

Burkhardt, Otto M., Euclid, Ohio. Cover sealing means for cooking utensils. 2,598,220, May 27.

Burkhart, Archie L., Artesia, Calif. Patient operated invalid bed. 2,605,481, Aug. 5.

Burkhart, Charles, Kansas City, Mo. Apparatus for illumination of scale dials. 2,596,810, May 13.

Burkhart, Ernest C.: *See*—
Lehner, George F. J., Brown, and Burkhart.

Burkhart, Van H., La Marque, Tex. Storm blind. 2,587,440, Feb. 26.

Burkhart, William H., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Shift register circuit. 2,601,089, June 17.

Burkhart, William H., and A. H. Sepahban, East Orange, assignors to Monroe Calculating Machine Company, Orange, N. J. Switching circuit. 2,603,746, July 15.

Burkhart, William H., East Orange, and H. M. Fleming, Jr., assignors to Monroe Calculating Machine Company, Orange, N. J. Keyboard operated translating circuit. 2,610,243, Sept. 9.

Burkholder, Claude A., assignor to General Box Distributors, Fresno, Calif. Feeding device for box-part assembling machines. 2,589,600, Mar. 18.

Burkli, Olga, assignee: *See*—
Marko, Adolf, and Kordesch.

Burklin, Adolf J., Toledo, Ohio, assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis. Flow controlled water heater. 2,583,814, Jan. 29.

Burklin, Adolf J., Toledo, Ohio, assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis. Water heater system. 2,591,400, Apr. 1.

Burklin, Adolf J., Toledo, Ohio, assignor to A. O. Smith Corporation, Milwaukee, Wis. Gas valve control. 2,609,989, Sept. 9.

Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Air volume control mechanism. 2,621,595, Dec. 16.

Burks, George E., Peoria, and R. R. Robinson, Morton, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Filter. 2,587,693, Mar. 4.

Burleigh, Joseph, and J. Cashman, Franklin, N. H. Combined screen and cabinet for picture projection apparatus. 2,583,467, Jan. 22.

Burlein, Lester F., assignor to Cloverleaf-Freeland Corporation, Honesdale, Pa. Bobbin. 2,583,995, Jan. 29.

Burley, Robert M., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Bendix, N. J. Gun-sighting device. 2,583,815, Jan. 29.

Burls, John A. E., Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Bookbinding machinery. 2,585,433, Feb. 12.

Burmeister, Louis, and H. S. Hollnagel, Milwaukee, Wis. Directional signal for vehicles. 2,601,587, June 24.

Burnam, Lyman B., Clarkston, Wash. Camera support. 2,603,134, July 15.

Burnard, William S., Winnipeg, Manitoba, Canada. Pry type lid lifter and retainer. 2,582,947, Jan. 22.

Burndept Limited, assignee: *See*—
Lewis, Richard W., and Richardson.

Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.
Matthysse, Irving F.
Matthysse, Irving F., and Dupre.
Skok, Sergius.

Burnell, Maurice R., Noroton Heights, and J. E. Lynn, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of flammable materials to impart flame resistance thereto, compositions therefor, and products thereof. 2,582,961, Jan. 22.

Burnell, William A., Kenton, England. Skirt hanger. 2,609,130, Sept. 2.

Burnelli, Vincent J., Englewood, N. J. Airplane provided with jet propulsion means. 2,586,299, Feb. 19.

Burnelli, Vincent J., Englewood, N. J. Cargo air transport. 2,616,639, Nov. 4.

Burnett, Edward N.: *See*—
Tambini, Albert L., Burnett, Fischer, and Lima.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Nozzle valve. 2,582,527, Jan. 15.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Carton opening knife. 2,582,677, Jan. 15.

Burnett, Edward N., San Lorenzo, Calif. Magnetic slate. 2,589,601, Mar. 18.

Burnett, Elton L., assignor to The Flexible Company, Loudonville, Ohio. Bed leveler for funeral cars and the like. 2,600,047, June 10.

Burnett, James H., Upper Montclair, N. J., assignor, by mesne assignments, to General Railway Signal Company. Controllable space current electron discharge tube with magnetic field. 2,605,437, July 29.

Burnett, John L., and B. Smith, assignors to Modern Music, Inc., Kansas City, Mo. Apparatus for transmission of music from a central studio to a plurality of subscribers. 2,595,510, May 6.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,598,501, May 27.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,609,708, Sept. 9.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,616,308, Nov. 4.

Burnett, Robert E., Schenectady, N. Y., assignor to General Electric Company. Stabilization of thixotropic compositions comprising polyesters with quinone. 2,610,961, Sept. 16.

Burnett, William E.: *See*—
Kuhler, Otto A., and Burnett.

Burnett, William E., Arlington, Va., assignor to American Car and Foundry Company, New York, N. Y. Sleeping car. 2,609,760, Sept. 9.

Burnett, William E., Montclair, N. J., assignor to American Car and Foundry Company, New York, N. Y. Seat structure. 2,583,410, Jan. 22.

Burnham, George A., Saugus, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker employing a pair of arc chutes. 2,604,565, July 22.

Burnham, Harry C., Portland, Oreg. Lawn mower sharpener. 2,596,098, May 13.

Burnham, Lee H., North Platte, Nebr. Rotary buffing and polishing machine. 2,597,971, May 27.

Burns, Alfred G., Farmland, Ind. Electric animal trap and reactivator. 2,599,541, June 10.

Burns, Bruce, Yucca Valley, Calif. Clothes hanger. 2,586,913, Feb. 26.

Burns, Bruce, Yucca Valley, Calif. Release means for toggle-actuated wrenches. 2,590,750, Mar. 25.

Burns, Cloyd E., deceased, Fort Pierce, Fla.; M. Burns, executrix. Golf club carrier. 2,590,154, Mar. 25.

Burns, Erwin, Los Angeles, Calif. Liner hanger. 2,589,337, Mar. 18.

Burns, Frances, Philadelphia, Pa. Diaper panty. 2,581,904, Jan. 8.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Frameless screen and storm window top rail securing means. 2,583,627, Jan. 29.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Lift roller for Venetian blinds. 2,598,887, June 3.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Venetian blind operating mechanism. 2,601,500, June 24.

Burns, Henry L., Yellow Springs, Ohio. Fluid pressure apparatus and valve means therefor. 2,615,463, Oct. 28.

Burns, Howard C., Indianapolis, Ind., and H. D. Wilson, Toledo, Ohio. Battery assembly. 2,603,671, July 15.

Burns, J., Limited, assignee: *See*—
Fletcher, Kenneth A.

Burns, Jabez, & Sons, Inc., assignee: *See*—
Willenborg, Walter J.

Burns, John J.: *See*—
Brandt, John B., Kelly, and Burns.

Burns, Joseph K., Londonbridge, assignor to National Wire Hanger Manufacturing Co., Inc., Norfolk, Va. Garment hanger construction. 2,591,234, Apr. 1.

Burns, Laurence: *See*—
Sawyer, Bruce A., and Burns.

Burns, Leslie L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Magnetostriction device. 2,619,604, Nov. 25.

Burns, Leslie L., Jr., and W. van B. Roberts, Princeton, N. J., assignors to Radio Corporation of America. Mechanical filter. 2,605,354, July 29.

Burns, May, executrix: *See*—
Burns, Cloyd E.

Burns, Meryl C., Richmond, Calif., assignor to Marchant Calculating Machine Company. Electrical trigger circuits. 2,604,589, July 22.

Burns, Paul P., Philadelphia, Pa. Haircutting and trimming device. 2,587,964, Mar. 4.

Burns, Raymond W., and L. Quick, Poughkeepsie, N. Y., assignors to J. L. Taylor Manufacturing Company. Radiator for gluing machines. 2,580,728, Jan. 1.

Burns, Robert A., assignee: *See*—
Wincentsen, Forest R.

Burns, William E.: *See*—
Swenson, James A., Burns, and Stead.

Burnside, Carl B., assignor to Eli Lilly and Company, Indianapolis, Ind. Hypodermic syringe needle mounting. 2,604,890, July 29.

Burnside, Thos. R., assignee: *See*—
Guisti, Louis J.

Burr, Carleton M.: *See*—
Smith, Helen M., Burr, and Bishop.

Burr, Horace K., San Pablo, and G. F. Bailey, Berkeley, Calif., assignors to United States of America, as represented by the Secretary of Agriculture. Method and apparatus for measuring dew point. 2,588,355, Mar. 11.

Burr, Lauren R., assignor to Kold Hold Manufacturing Company, Lansing, Mich. Refrigerating assembly for mobile equipment. 2,585,087, Feb. 12.

Burr, Lauren R., assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Heat exchange unit having a trough. 2,585,736, Feb. 12.

Burr, Richard: *See*—
Colin, Jules, Burr, Friedrich, and Herrgott.
Colin, Jules, Burr, and Gafanesch.

Burrack, Harry B., Brooklyn, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Cladding a copper-base metal to an aluminum core. 2,612,682, Oct. 7.

Burrage, Leslie J., Liverpool, England, assignor to Imperial Chemical Industries Limited. Purification of benzene hexachloride. 2,603,664, July 15.

Burrell Corporation, assignee: *See*—
Guild, Lloyd V.

Burrell, Harold P., Noroton, Conn. Impact drill apparatus. 2,593,532, Apr. 22.

Burrell, Harold P., Noroton, Conn., assignor to Western Foundation Corporation, New York, N. Y. Foundation structure. 2,608,830, Sept. 2.

Burrell, Harry, Milburn, and P. M. Clark, Roselle, N. J., assignors to Interchemical Corporation, New York, N. Y. Composition comprising ethyl cellulose and a fatty oil acid modified alkyd resin. 2,593,976, Apr. 22.

Burrell, Harry, Milburn, and R. H. Barth, Ridgewood, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Producing synthetic rubbers containing tackifiers and softeners and product thereof. 2,611,753, Sept. 23.

Burrell, Loomis: *See*—
Rishol, Alfred H., Weinreich, and Burrell.

Burrill, Ernest A., Natick, and W. V. Smith, Auburndale, assignors to High Voltage Engineering Corporation, Cambridge, Mass. System or apparatus for stabilizing the voltage of electrostatic generators. 2,588,613, Mar. 11.

Burris, John C., Mission, Tex. Display device. 2,584,840, Feb. 5.

Burris, Joseph J., Houston, Tex. Key seat wiper. 2,620,164, Dec. 2.

Burrise, Andrew H., assignor to Admiral Corporation, Chicago, Ill. Refrigerator shelf trim strip. 2,599,607, June 10.

Burritt, Burnell O., Detroit, Mich. Governor mechanism. 2,594,866, Apr. 29.

Burroughs Adding Machine Company, assignee: *See*—
Binek, Edward.
Fettig, Arthur J.
Libman, Earl E.
Runde, Byron A.
Wockenfuss, William.

Burroughs, Edwin E., Brooklyn, assignor to St. Regis Paper Company, New York, N. Y. Roll supporting means. 2,610,001, Sept. 9.

Burroughs, Gordon S., Forest Hills, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Direction and position indicating system. 2,582,962, Jan. 22.

Burroughs, Louis R.: *See*—
Ulmer, William W., and Burroughs.

Burroughs, Walter: *See*—
Cagan, Bernard J., Burroughs, and Silverstein.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Baltzly, Richard, and Lorz.
Brown, Annie M.
Hitchings, George H., and Russell.
Hitchings, George H., Russell, and Falco.
Russell, Peter B., and Whittaker.
Timmis, Geoffrey M.
Walls, Leslie P.
Walls, Leslie P., and Whittaker.

Burrow, Lester P., assignee: *See*—
Tullis, Ernest.

Burrowes, John B.: *See*—
Ganger, Karl M., and Burrowes.

Burrows, Arthur T. C., assignor to Geo. W. King Limited, Hitchin, England. Conveyer system. 2,612,847, Oct. 7.

Burrows, Godfrey, Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Short path fractionating stills. 2,614,973, Oct. 21.

Burrows, Godfrey, Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Short path fractionating centrifugal still. 2,617,760, Nov. 11.

Burrows, Milford D.: *See*—
Goldberg, Harry, and Burrows.

Burrows, Milford D., and S. Z. Siwek, assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Rotary screen for motor assemblies. 2,601,907, July 1.

Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Resilient wheel. 2,593,977, Apr. 22.

Burrows, W., (Manchester) Limited, assignee: *See*—
Burrows, Wilfrid.

Burrows, Wilfred, Whitley, near Warrington, assignor to W. Burrows (Manchester) Limited, Manchester, England. Garden tractor attachment. 2,619,887, Dec. 2.

Bursack, William W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Coercing means for gyroscopes. 2,600,476, June 17.

Bursey, Joyce A., Bridgeport, Conn. Adjustable invalid's chair. 2,604,140, July 22.

Bursik, Frank J., Los Angeles, Calif. Jamb. 2,581,750, Jan. 8.

Burson, Homer W.: *See*—
Kendall, Donald B., and Burson.

Burst, Francis J.: *See*—
Hillenbrand, William A., and Burst.

Burstein, Frank I., Dayton, Ohio. Sleeping bag. 2,581,357, Jan. 8.

Burt, F. N., Company, Inc., assignee: *See*—
Dickerman, Harry K., and Brown.
Nyden, Robert, and Dickerman.
Wells, William J.

Burt, Janet T.: *See*—
Burt, William E., J. T., and Ligett.

Burt, Leo O., Dearborn, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Control means for vehicle axles. 2,608,401, Aug. 26.

Burt, Richard E., Dalton, N. Y. Snare. 2,592,390, Apr. 8.

Burt, Robert V., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Proportioning pump. 2,600,477, June 17.

Burt, Samuel L., Pinson, Ala., assignor, by mesne assignment, to Union Carbide and Carbon Corporation. Dispersions of vinyl chloride resins in plasticizers containing polyglycol methacrylates. 2,618,621, Nov. 18.

Burt, Samuel L., Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Hydrocarbon tin alcoholates. 2,583,084, Jan. 22.

Burt, Stuart D., Jr., assignor to Drapery Hardware Company, Ltd., Monrovia, Calif. Combined curtain rod and bracket assembly. 2,596,360, May 13.

Burt, William C., assignor to Clair Manufacturing Company, Inc., Olean, N. Y. Glazing and polishing machine. 2,612,005, Sept. 30.

Burt, William E., Pleasant Ridge, Mich., assignor to Ethyl Corporation, New York, N. Y. Organic peroxides as promoters for silver oxidation catalysts and process using the same. 2,593,098, Apr. 15.

Burt, William E. and J. T., Pleasant Ridge, and W. B. Ligett, Berkley, Mich., assignors to Ethyl Corporation, New York, N. Y. Zirconium oxide-silicon oxide silver catalyst support and process using the same. 2,593,097, Apr. 15.

Burtle, Jerome G.: *See*—
Wehrle, Joseph J., Niehouse, and Burtle.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Derivatives of hydroxycycloalkylalkylbenzoylaliphatic acids and producing same. 2,580,402, Jan. 1.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Hydroxy-tetrahydro-naphthoylalkanoic acids. 2,589,223, Mar. 18.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Basic esters of substituted benzoylaliphatic acids and salts thereof. 2,589,224, Mar. 18.

Burtner, Robert R., assignor to G. D. Searle & Co., Skokie, Ill. Hydroxy naphthyl alkanoic acids and certain salts thereof. 2,590,086, Mar. 25.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Heterocyclic polynuclear keto alkenoic acids and the production thereof. 2,604,478, July 22.

Burtner, Robert R., assignor to G. D. Searle & Co., Skokie, Ill. Aminoalkyl hydroxynaphthyl ketones and salts thereof. 2,606,208, Aug. 5.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Producing alkoxynaphthoylalkanoic acids. 2,623,065, Dec. 23.

Burtner, Robert R., and W. M. Selby, Skokie, assignors to G. D. Searle & Co., Chicago, Ill. Cyclohexyl-aminoalcohols. 2,586,512, Feb. 19.

Burtner, Robert R., Skokie, Ill., and H. A. Arbit, Los Angeles, Calif., assignors to G. D. Searle & Co., Chicago, Ill. Ketoaliphatic acids derived from hydroxy and alkoxy diphenyl alkanes and the production thereof. 2,588,802, Mar. 11.

Burtner, Robert R., Skokie, and H. A. Arbit, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. Hydroxy xenoyl alkanoic acids and derivatives thereof. 2,590,085, Mar. 25.

Burtner, Robert R., Skokie, and R. T. Dillon, Wilmette, assignors to G. D. Searle & Co., Skokie, Ill. 8-hydroxy-1,2,3,4-tetrahydroquinoline as a silver halide developer. 2,596,978, May 20.

Burtner, Robert R., Skokie, and J. M. Brown, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. N-alkyl piperidyl alkyl esters of diphenyl acetic acid and 9-fluorenyl carboxylic acid. 2,607,777, Aug. 19.

Burtner, Robert R., Skokie, and J. M. Brown, assignors to G. D. Searle & Co., Chicago, Ill. Halo-hydroxy-naphthoylalkanoic acids and the production thereof. 2,610,210, Sept. 9.

Burtnett, Everett R., Inglewood, Calif., assignor to Borg-Warner Corporation, Chicago, Ill. Power-transmitting system. 2,592,537, Apr. 15.

Burtnett, Everett R., Inglewood, Calif., assignor to Borg-Warner Corporation, Chicago, Ill. Power-transmitting mechanism. 2,592,538, Apr. 15.

Burton-Dixie Corporation, assignee: *See*—
Wunderlich, William E.

Burton, Edward F.: *See*—
Wickham, Hull, Burton, and Mason.

Burton, Edward F., West Los Angeles, and C. S. Glasgow, Jr., Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Multiengine contra-rotating propeller drive transmission. 2,581,320, Jan. 1.

Burton, Elaine F., London, England. Apparatus for playing card games. 2,598,969, June 3.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power amplifier circuit. 2,598,221, May 27.

Burton, Hubert H., and L. T. Goodman, assignors to John Bull Rubber Company Limited, Leicester, England. Manufacture of corrugated or convolute hose and to means therefor. 2,616,129, Nov. 4.

Burton, James R., Jr., and H. N. McLean, Sr., Jasper, Ala. Golf bag. 2,587,029, Feb. 26.

Burton, Robert E., Willits, Calif. Hydraulic log-barker having kert-cutting and bark-removing jets. 2,611,401, Sept. 23.

Burton, Russell A.: *See*—
Altiere, Daniel M., and Burton.

Burton, William P., Orange, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,598,503, May 27.

Burton, William P., Orange, assignor to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of alcohols. 2,614,971, Oct. 21.

Burton, William P., Orange, H. G. McGrath, Elizabeth, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic acids from alcohols. 2,580,403, Jan. 1.

Burton, William P., Orange, and E. Solomon, Nutley, assignors to The M. W. Kellogg Company, Jersey City, N. J. Recovery of organic acids. 2,590,087, Mar. 25.

Burton, William P., Orange, and E. Solomon, Nutley, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,595,223, May 6.

Burtscher, Arthur J.: *See*—
Lindner, Arthur E., and Burtscher.

Burtt, Horatio H., Hartsdale, W. W. Koenig, Flushing, and L. Gilbert, New York, N. Y., assignors, by mesne assignments, to Winchester Electronics, Incorporated, Glenbrook, Conn. Electrical connector with adjustable cover. 2,610,222, Sept. 9.

Burwell, Earl L., Warsaw, Ind. Mouse and rattrap with improved bait holder. 2,581,628, Jan. 8.

Burwell, James M.: *See*—
Dabbs, Robert, and Burwell.

Burwell, Stanley J., Toronto, Ontario, Canada. Helicopter control. 2,601,090, June 17.

Buryan, Edmund F., Westchester County, N. Y. Postoperative bandage. 2,603,213, July 15.

Busacco, Morris J., Brooklyn, assignor to Jarco Metal Products Company, New York, N. Y. Lighter. 2,605,627, Aug. 5.

Busacker, John W., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Rocket fin. 2,597,703, May 20.

Busby, Hibbard S., and W. L. Ward, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Cotton filled structural material and preparing the same. 2,587,591, Mar. 4.

Busch, Aloysius J., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar telephone system. 2,585,904, Feb. 19.

Busch, Aloysius J., Madison, N. J., and H. J. Michael, Mineola, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,587,817, Mar. 4.

Busch, George B.: *See*—
Cooley, Austin G., and Busch.

Busch Precision Camera Corporation, assignee: *See*—
Gardner, Michael L.

Busch, Tom N., assignee: *See*—
Mittell, Carl E.

Busch-Jensen, Harald H. M., Copenhagen, Denmark. Conveyor for bar material. 2,619,220, Nov. 25.

Buschman, E. W., Co., The, assignee: *See*—
Schottelkotte, Franklin B.

Buschow, Herman F.: *See*—
Benenati, Robert F., and Buschow.

Buschow, Herman F., North Arlington, and P. C. Keith, Peapack, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Regenerator for the recovery of the cold content of gases. 2,585,912, Feb. 19.

Busee, Wilbur E., and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Hanger for floating roofs. 2,611,504, Sept. 23.

Buser, Charles, Auburn, assignor to Beh and Company, New York, N. Y. Adjustable leg construction for ironing boards. 2,614,348, Oct. 21.

Buser, Theophil, Berne, Switzerland, assignor to SAIA Aktiengesellschaft für Schaltapparate. Device for controlling consumer circuits by means of at least one measuring instrument carrying small currents. 2,587,441, Feb. 26.

Busfield, Gordon, Annandale, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,596,526, May 13.

Bush, A. G., assignee: *See*—
Criner, Harry J.

Bush, Burl H., United States Navy, San Francisco, Calif. Method and apparatus for controlling humidity. 2,580,404, Jan. 1.

Bush, Edward J., Sunbury-on-Thames, England. Thermostatic control device. 2,616,067, Oct. 28.

Bush, Francis L., Washington, D. C. Hair pushing attachment for electric hair clipers. 2,607,985, Aug. 26.

Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Cam and pawl transfer mechanism. 2,596,370, May 13.

Bush, J. E., assignee: *See*—
Kitchell, Eden T.

Bush, Jesse E., assignee: *See*—
Sanderlin, Ralph C., and Grant.

Bush, Joachim G., assignor to Vibradamp Corporation, Los Angeles, Calif. Manufacturing compressible glass fiber shock absorption material and products. 2,600,843, June 17.

Bush Manufacturing Company, The, assignee: *See*—
Wyrfel, Samuel P.

Bush, Ralph R., Havertown, Pa., assignor to General Electric Company. Motive mechanism utilizing catalytically decomposable material. 2,605,609, Aug. 5.

Bush, Robert R.: *See*—
Donal, John S., Jr., and Bush.

Bush, Russell J.: *See*—
Helmgartner, Leo C., Bush, and Clingman.
Morgann, Robert O., and Bush.

Bush, Russell J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Connector strip. 2,591,048, Apr. 1.

Bush, Theodore R., Royal Oak, Mich. Electric motor driven jig-saw unit. 2,609,016, Sept. 2.

Bush, Wilkie L., and J. G. Veatch, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Fastening device. 2,616,642, Nov. 4.

Bush, William W., Essex Fells, N. J. Railing. 2,590,929, Apr. 1.

Busher, Frank J., Newport, Ky. Float and line retriever. 2,594,120, Apr. 22.

Bushey, Clay A., Los Angeles, Calif. Air hammer safety valve. 2,601,588, June 24.

Bushfield, Keith, San Francisco, Calif. Combined trailer and pontoon boat. 2,588,084, Mar. 4.

Bushman, Edwin F., Aurora, Ill. Dispensing holder for bottles or the like. 2,610,081, Sept. 9.

Bushnell, Horace K., Jr., Glen Mills, Pa. Grapple. 2,613,103, Oct. 7.

Bushong, Helen W., Lima, Ohio. Portable foldable leg rest. 2,614,613, Oct. 21.

Bushong, Tolbert C., Waveland, Ind. Rotary hoe wheel. 2,596,527, May 13.

Busick, Don K., Columbus, Ohio. Fluid flow control. 2,601,966, July 1.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Projectile radio location system. 2,586,783, Feb. 26.

Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Force measuring device. 2,601,259, June 24.

Busignies, Henri G., Forest Hills, N. Y., and P. R. Adams, Cranford, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Display system indicating craft position and movement. 2,581,358, Jan. 8.

Busignies, Henri G., Forest Hills, and A. D. Smith, Jr., Amityville, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Radio direction and location determining system. 2,607,032, Aug. 12.

Business Systems, Incorporated, assignee: *See*—
Nelson, James C.

Businger, Roger T., Pittsburgh, Pa., and H. L. Gerhart, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. High purity dicyclopentadiene. 2,582,920, Jan. 15.

Buskes, Willem M., Velden, and T. P. W. Sanders, M. M. P. Vallen, and K. M. Hutgens, assignors to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Sensitized sheets provided with a screen. 2,602,742, July 8.

Buss, Benjamin A., East Moline, Ill., and H. W. Miller, Davenport, Iowa, assignors to American Machine and Metals, Inc., East Moline, Ill. Control station for operating washers with a single bath. 2,612,035, Sept. 30.

Buss Machine Works, assignee: *See*—
Dick, M. Everett, and Diekema.
Petter, Jay C.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Oscillator. 2,583,137, Jan. 22.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Tuner for television receivers. 2,615,983, Oct. 28.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway truss type brake beam end structure. 2,597,287, May 20.

Busse, Ethel, executrix: *See*—
Hollandsworth, George W.

Busse, Karl J., Tiffin, Ohio. Line drying and storage reel. 2,601,959, July 1.

Busse, Warren F., and J. M. Lambert, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Poly-n-vinyl pyrrole compound molding composition, molding process and product. 2,618,020, Nov. 18.

Bussert, Clarence E., Melrose Park, Ill. Immersed floral display. 2,601,658, June 24.

Bussey, William H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Electromagnetic impulse generator. 2,618,755, Nov. 18.

Bussmann, Aloysius B., St. Louis, assignor to Alamo Corporation, Clayton, Mo. Support for insulators. 2,621,881, Dec. 16.

Bustamante, Cesar, New York, N. Y. Machine for marking articles. 2,616,362, Nov. 4.

Butalite Corporation, The, assignee: *See*—
Morgan, Thomas H. and D. C.

Butchart, Alexander, North Crescent, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Lowering the tendency towards setting of potassium nitrate and potassium nitrate of free-flowing form with a reduced tendency to setting. 2,616,785, Nov. 4.

Butchart, Alexander, Ardrossan, and J. Whetstone, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Lowering the tendency towards setting of ammonium sulfate and ammonium sulfate of free-flowing form with a reduced tendency to setting. 2,616,788, Nov. 4.

Butcher, Eugene T., Waterford, Calif. Control unit for irrigation valves. 2,604,292, July 22.

Butcher, Lance N., Surrey Hills, Victoria, Australia. Steam iron. 2,588,698, Mar. 11.

Butcher, William J., Jamaica, N. Y. Urinal device. 2,600,478, June 17.

Butcosk, Richard A.: *See*—
Armstrong, Eldon L., and Butcosk.
Ogden, Albert B., Butcosk, and Williams.

Butcosk, Richard A., Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. High-temperature grease. 2,585,321, Feb. 12.

Butera, Charles, Los Angeles, Calif. Flatiron supporting and cleaning device. 2,598,347, May 27.

Butler, Albert, assignor to Imperial Optical Company, Ltd., Toronto, Ontario, Canada. Mounting lenses. 2,595,760, May 6.

Butler, Adolf G., Hawthorne, Calif., assignor to American Pipe and Construction Co. Welding process and joint. 2,603,735, July 15.

Butler, Charles O.: *See*—
Williams, Sidney B., and Butler.

Butler, Clarence A., Jr., Palmesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Mining soluble salts. 2,618,475, Nov. 18.

Butler, Clyde G., deceased, by D. F. Butler, administratrix, Madeira, assignor to P. J. Schneider, Cincinnati, Ohio, as trustee. Bottle carrier. 2,580,995, Jan. 1.

Butler, David J., McKeesport, Pa. Calculated framing and folding rule. 2,607,995, Aug. 26.

Butler, Della F., administratrix: *See*—
Butler, Clyde G.

Butler, Donald H., Allison Park, Pa. Valve and valved conduit installation. 2,608,203, Aug. 26.

Butler, Earl K.: *See*—
Purcell, Howard F., and Butler.

Butler, Edgar M., New Orleans, La., assignor to Butler Engineering Co., Inc. Electrolytic water correction device and filter combination. 2,607,725, Aug. 19.

Butler Engineering Co., Inc., assignee: *See*
Butler, Edgar M.

Butler, Ernest L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting wiper. 2,619,660, Dec. 2.

Butler, Ernest L., Lynn, and O. M. Holmes, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in scribing wiper blanks. 2,597,972, May 27.

Butler, Ernest L., and A. Eppler, Jr., Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,604,645, July 29.

Butler, Frank D., Venice, Calif. Portable power saw mitering machine. 2,599,893, June 10.

Butler, George B., and R. L. Bunch, Gainesville, Fla., assignors to Board of Commissioners of State Institutions of the State of Florida. Unsaturated quaternary ammonium halides of certain saturated heterocyclics and preparation. 2,611,768, Sept. 23.

Butler, George T.: *See*—
Ford, Ronald M., and Butler.

Butler, Glenn F., Detroit, Mich. Heated chair. 2,583,816, Jan. 29.

Butler, Gray L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Making a hose coupling unit. 2,623,837, Dec. 30.

Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Brake. 2,613,765, Oct. 14.

Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Nose or tail wheels of aircraft. 2,620,235, Dec. 2.

Butler, Jack O.: *See*—
Hutchins, Edwin L., and Butler.

Butler, John M.: *See*—
Kosmin, Milton, and Butler.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Wax compositions. 2,580,996, Jan. 1.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Reaction of polystyrene with an isocyanate. 2,617,790, Nov. 11.

Butler, Joseph E., assignor to Airtoys, Inc., Bethesda, Md. Educational apparatus for simulating the operation of aircraft. 2,584,113, Feb. 5.

Butler, Joseph E., Montgomery County, Md., assignor of 40 per cent to R. N. Price and 40 per cent to J. S. Howe, Washington, D. C. Receptacle. 2,593,384, Apr. 15.

Butler, Joseph F., Pittsburgh, Pa. Cutting apparatus for wallboards and the like. 2,611,179, Sept. 23.

Butler, Keith H., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Barium mesotrisilicate phosphor. 2,587,592, Mar. 4.

Butler, Keith H., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Calcium phosphate phosphors. 2,619,471, Nov. 25.

Butler, Louis M., Sauk Centre, Minn. Fish stringer. 2,612,303, Sept. 30.

Butler, Milton S., South Braintree, Mass. Septic tank. 2,607,211, Aug. 19.

Butler, Milton S., South Braintree, Mass. Septic tank. 2,607,727, Aug. 19.

Butler, Oscar, Kansas City, Mo. Control system for taxicab meters. 2,598,348, May 27.

Butler, Van B., Mercer Island, and W. H. Cook, Jr., assignor to Boeing Airplane Company, Seattle, Wash. Airplane flap control mechanism. 2,620,147, Dec. 2.

Butler, Ward, Miami, Fla. Spinal relaxation couch. 2,586,610, Feb. 19.

Butler, William F., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Blood filter and drip meter. 2,586,513, Feb. 19.

Butler, William F., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Pinch valve. 2,595,511, May 6.

Butler, William F., Oakland, T. P. Stafford, El Cerrito, and F. A. Cutter, Oakland, assignors to Cutter Laboratories, Berkeley, Calif. Elastomer stopper. 2,601,091, June 17.

Butler, William H., Selkirk, Manitoba, Canada. Elevating clothes drier. 2,598,502, May 27.

Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Eddy current disk mechanism. 2,596,649, May 13.

Butlin, William: *See*—
Hickling, Ernest H., Cheffings, and Butlin.

Butrym, Anthony: *See*—
Judd, Edwin B., and Butrym.

Butsch, William G., Fort Thomas, Ky. Crane loading portable bar rack. 2,591,049, Apr. 1.

Butsch, William G., Fort Thomas, Ky. Roof for truck bodies. 2,591,050, Apr. 1.

Butterfield, Harry: *See*—
Pityo, Albert F., and Butterfield.

Butterfield, Harry E., Jr.: *See*—
Pityo, Albert F., and Butterfield.

Butterfield, John C. E., Toronto, Ontario, Canada. Waving hair. 2,606,564, Aug. 12.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Adjustable suspension for vehicles. 2,592,391, Apr. 8.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Crankshaft. 2,595,761, May 6.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Bearing block structure. 2,603,538, July 15.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Universal joint. 2,609,673, Sept. 9.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Engine. 2,610,615, Sept. 16.

Butterfield, John P., Grosse Pointe, Woods, assignor to Chrysler Corporation, Highland Park, Mich. Piston structure. 2,614,009, Oct. 14.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Engine. 2,621,639, Dec. 16.

Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Suspension. 2,616,687, Nov. 4.

Butterfield, Louis B., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Humidity selector switch. 2,610,275, Sept. 9.

Butterfield, Trevor L. H., Guildford, assignor to Bowler & Sidney, Limited, Slough, England. Electric-arc welding apparatus. 2,622,179, Dec. 16.

Butterworth, Archibald J., Frimley, England. Valve gear for internal-combustion engines. 2,622,574, Dec. 23.

Butterworth, Edward, assignor to Regwaco Meters Limited, Farnworth, near Bolton, England. Dry gas meter with drainage means. 2,619,838, Dec. 2.

Butterworth, Gilbert J., Chester, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Centrifugally operated switch. 2,584,983, Feb. 12.

Butterworth, Gilbert J., Chester, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Circuit control for well surveying instruments. 2,590,930, Apr. 1.

Butterworth, James E.: *See*—
Hilt, Carl, and Butterworth.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Display container for individually wrapped articles of merchandise and supporting tray therefor. 2,582,476, Jan. 15.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Partitioned tray or holder. 2,596,205, May 13.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible cellular carton. 2,605,952, Aug. 5.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible cellular carton. 2,613,024, Oct. 7.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible lined tray or carton. 2,617,579, Nov. 11.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible tray or carton. 2,621,783, Dec. 16.

Buttolph, Ralph Q., Long Beach, Calif. Drill guiding assembly. 2,589,534, Mar. 18.

Buttner, Carl M., assignor to Hunter Fan and Ventilating Company, Memphis, Tenn. Guard for the rotating portions of air-moving devices. 2,601,947, July 1.

Button, Clarence R., Rochester, N. Y. Fluid motor assembly. 2,594,288, Apr. 29.

Button, Thomas B.: *See*—
Roberts, Philip B., and Button.

Buttondex Corporation, assignee: *See*—
Schneider, John F., Jr.

Buttrick, James C., Scarbro, W. Va. Cutting unit for mining machines. 2,595,565, May 6.

Buttrick, James C., Scarbro, W. Va. Attachment for mining machine anchor jacks. 2,598,970, June 3.

Butts, Arthur C., Bronx, N. Y. Pessary. 2,618,261, Nov. 18.

Butz, Arthur N., executor: *See*—
Butz, Arthur N., Jr.

Butz, Arthur N., Jr., deceased, State College, Pa.; Arthur N. Butz, executor, Maplewood, N. J., assignor, by mesne assignments, to Pennsylvania Research Corporation. Multiple recording on film. 2,615,778, Oct. 28.

Butz, Bert B., assignor to Tri-Saw Corporation, St. Louis, Mo. Hand carried power tool. 2,621,685, Dec. 16.

Butz, Stephen C., Zion, Ill. Swinging auxiliary barber's rest. 2,595,921, May 6.

Buxbaum, Edwin C., Media, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 2,3 xylidinoanthraquinone compounds and sulfonation products thereof. 2,605,269, July 29.

Buxbaum, Mac: *See*—
Lebensfeld, Moe, and Buxbaum.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.
Harvey, Robert P.

Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,602,336, July 8.

Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,609,694, Sept. 9.

Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,609,695, Sept. 9.

Buzzell, Maurice E., Mahtomedi, Minn., and L. W. Kanninen, Wausau, Wis., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Roofing granules and making same. 2,614,051, Oct. 14.

Byard, Edward P., Lyons, Kans. Fence stapling machine. 2,618,779, Nov. 25.

By-Buk Company, assignee: *See*—
Buck, Homer G.

Bychinsky, Wilfred A.: *See*—
Church, Walter L., and Bychinsky.

Bychinsky, Wilfred A., Ann Arbor, assignor to General Motors Corporation, Detroit, Mich. Spark plug tester. 2,603,685, July 15.

Bychinsky, Wilfred A., Ann Arbor, assignor to General Motors Corporatoon, Detroit, Mich. Jet engine igniter plug. 2,609,808, Sept. 9.

Bychinsky, Wilfred A., Ann Arbor, assignor to General Motors Corporation, Detroit, Mich. Spark plug electrode. 2,615,441, Oct. 28.

Bychinsky, Wilfred A., Flint, assignor to General Motors Corporation, Detroit, Mich. Sealed spark plug assembly. 2,606,951, Aug. 12.

Bye, Norman C., Wyndmoor, assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Guide bar for chain saws. 2,599,608, June 10.

Bye, Ole L., Glendale, Calif. Combination floor washing, sanding, oiling, and polishing machine. 2,621,350, Dec. 16.

Byer, Henry E., Bernardsville, N. J. Vapor condensing apparatus. 2,593,655, Apr. 22.

Byers, Anna R. N., executrix: *See*—
Byers, Laud S.

Byers, Donald J., Washington, D. C. Tethered flying model and object releasing mechanism. 2,580,405, Jan. 1.

Byers, Gordon L., trustee, assignee: *See*—
Robbins, Robert L., Jr.

Byers, Laud S., deceased, Reno, Nev.; A. R. N. Byers, executrix. Nitrate explosive containing aluminum. 2,589,532, Mar. 18.

Byington, James A., assignor to Fruit Treating Corporation, Orlando, Fla. Box dumping apparatus. 2,623,652, Dec. 30.

Byng, Robert C.: *See*—
Briscoe, Hugh V., and Byng.

Bynum, George T., Fair Lawn, E. H. Olson, Paterson, and F. J. Wiegand, Ridgewood, N. J., assignors to Curtiss-Wright Corporation. Amplitude limiting means for vibration dampers. 2,592,114, Apr. 8.

Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Close coupling for motorized pumps. 2,598,758, June 3.

Byram, Frederick C., New Carlisle, and S. S. L. Chang, assignors to Robbins & Myers, Inc., Springfield, Ohio. Flat rotary pump. 2,590,751, Mar. 25.

Byram, Frederick C., New Carlisle, and G. H. Zimmer, Jr., assignors to Robbins & Myers, Inc., Springfield, Ohio. Helical gear pump with nonrigid casing. 2,612,845, Oct. 7.

Byrd, Buford J., assignee: *See*—
Houghton, William.

Byrd, H. F., Inc., assignee: *See*—
Rooker, William A.

Byrd, Walter A., assignor of one-half to J. D. Thames, Vicksburg, Miss. Draft rigging key. 2,605,667, Aug. 5.

Byrkett, Elwood L., assignor to The Sheffield Corporation, Dayton, Ohio. Device for gauging surface characteristics. 2,618,964, Nov. 25.

Byrne Doors, Inc., assignee: *See*—
Davidson, Charles S.

Byrne, Edward A.: *See*—
Kolb, Philip C., and Byrne.

Byrne, John J., New York, N. Y. Singing-talking bank. 2,588,958, Mar. 11.

Byrne, Mazy, West Palm Beach, Fla. Degumming bast fibers. 2,606,094, Aug. 5.

Byrne, Paul F., San Carlos, and J. C. Kyle, Menlo Park, assignors to Sierra Electronic Corporation, San Carlos, Calif. Electronic strain indicating network. 2,619,833, Dec. 2.

Byrne, Russell W.: *See*—
Gardner, Adryl W., and Byrne.

Byrnes, John J., Newark, N. J. Base for motors. 2,595,637, May 6.

Byrnes, John J., Newark, N. J. Small article holding and spraying device. 2,601,364, June 24.

Byrnes, William B., Dalton, Mass. Candle. 2,611,254, Sept. 23.

Byrnie, Leo A., Torrington, Conn. Panel unit for radiant heating. 2,613,900, Oct. 14.

Bywater, James E., Whitnash, near Leamington Spa, and R. F. Hale, Seven Kings, England, assignors to Ford Motor Company, Dearborn, Mich. Three-point front implement mounting for tractors. 2,608,924, Sept. 2.

C. A. V. Limited, assignee: *See*—
Curzon, Thomas.
Evans, Fraser M.
Nicolls, Wilfrid E. W.
Thorpe, Ernest H. C.

C & D Batteries, Inc., assignee: *See*—
Doughty, Leon A.
Jensen, Henry E.

C. D. Patents Limited, assignee: *See*—
Kaufman, Morris, and Williams.

C-Eight Laboratories, assignee: *See*—
Caruso, Mario
Clark, Nelson O.

C. G. S. Laboratories, Inc., assignee: *See*—
Carver, Lawrence M.
Leonard, George H.

C. J. W. Corporation, assignee: *See*—
Elsner, Edwin C.

C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.
Cahusac, Clarence N., and Allen.
Ensminger, Harry.

C & S All Weather Shield Co., assignee: *See*—
Williams, Sidney B., and Butler.

Cabaniss, Bert A., Falfurrias, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Chemically heated paraffin knife. 2,590,931, Apr. 1.

Cabes, Lucien A. B., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Device for detecting electric potentials. 2,588,357, Mar. 11.

Cabin Crafts, Inc., assignee: *See*—
McCamy, Robert G.

Cabometer, Inc., assignee: *See*—
Horn, Thurman W.

Cabot, Deane A., Rumford, R. I., assignor, by mesne assignments, to Whitin Machine Works. Textile drafting mechanism. 2,618,024, Nov. 18.

Cabot, Godfrey L., Inc., assignee: *See*—
Frlauf, George F.

Cabot, Walter K., Upper Montclair, N. J., assignor to American Can Company, New York, N. Y. Machine for filling liquids in containers in vacuum. 2,600,391, June 17.

Cachat, John F., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Seam-welding apparatus. 2,582,963, Jan. 22.

Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing carbon black. 2,587,107, Feb. 26.

Cade, Phillip J.: *See*—
Thomson, E. Craig, and Cade.

Cade, Phillip J., Winchester, Mass., assignor to Photoswitch Marine Division, Inc., New York, N. Y. Conductivity cell test element. 2,616,949, Nov. 4.

Cade, Phillip J., Winchester, and B. E. Shaw, East Boxford, Mass., assignors to Photoswitch Marine Division, Inc., New York, N. Y. Temperature-compensating conductivity cell. 2,611,007, Sept. 16.

Cade, Phillip J., Winchester, and D. J. MacDougall, Framingham, Mass., assignors to Photoswitch Marine Division, Inc., New York, N. Y. Electrolyte indicating and control apparatus. 2,611,113, Sept. 16.

Cade, Phillip J., Winchester, and D. J. MacDougall, Framingham, assignors to Photoswitch, Incorporated, Cambridge, Mass. Heat detector for aircraft. 2,621,239, Dec. 9.

Cade, William E.: *See*—
Bergsten, Milford A., and Cade.

Cadet Smokestands Company, assignee: *See*—
Dick, Marion T.

Cadman, Frank B.: *See*—
Watts, William J., and Cadman.

Cadman, Harold O., Rockton, Ill., assignor, by mesne assignments, to Gardner Machine Company. Guide bar attachment. 2,618,910, Nov. 25.

Cadwallader, Robert F., assignee: *See*—
Roberts, Wert E.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Automatic slide changing and picture dissolving mechanism for still picture projectors. 2,586,611, Feb. 19.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, Calif. Slide feeding mechanism for still picture projection machines. 2,593,007, Apr. 15.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Electric circuit timing switch. 2,593,727, Apr. 22.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles; said Adamson assignor to The Cadwell Corporation, Beverly Hills, Calif. Detachable camera handle. 2,617,142, Nov. 11.

Cadwell Corporation, The, assignee: *See*—
Cadwell, Clarence J., and Adamson.

Cadwell, Leonard E., Stamford, Conn., and C. Frazier, Brooklyn, assignors to American Cyanamid Company, New York, N. Y. Preparation of oil-modified alkyd resins. 2,618,617, Nov. 18.

Cadwell, Ralph K., assignor to American Pipe & Steel Corporation, Alhambra, Calif. Pipe inspecting apparatus. 2,609,728, Sept. 9.

Cadwell, Ralph K., Los Angeles, assignor to American Pipe & Steel Corporation, Alhambra, Calif. Recess mounting for valves and fittings for liquefied petroleum gas containers. 2,609,964, Sept. 9.

Cady, Raymond R., assignor to Nye-Wait Company, Inc., Auburn, N. Y. Pile wire for stationary wire Wilton looms. 2,619,990, Dec. 2.

Caesar, Orville S., Barrington, Ill. Chair having resiliently mounted seat and back. 2,590,504, Mar. 25.

Caesar, Philip D.: *See*—
Hartough, Howard D., Caesar, and Lukasiewicz.

Caesar, Philip D., Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Tetrachlorothiolane and preparing the same. 2,599,432, June 3.

Caesar, Philip D., and P. G. Waldo, Wenonah, N. J., and D. J. Crowley, Oak Ridge, Tenn., assignors to Socony-Vacuum Oil Company, Incorporated. Alkyl thiophene sulfonate wetting agents and making same. 2,614,084, Oct. 14.

Caferro, Edward M., assignor to Columbia Electric and Manufacturing Company, Spokane, Wash. Manipulator for starter plugs. 2,584,545, Feb. 5.

Caffier, Pierre L., Oradell, N. J., and M. Zuckerman, Brooklyn, N. Y. Electrical interval timer. 2,622,677, Dec. 23.

Caffier, Pierre L., Oradell, N. J., and M. Zuckerman, Brooklyn, N. Y. Electrical interval timer. 2,623,584, Dec. 30.

Cagan, Bernard J., Los Angeles, W. Burroughs, Costa Mesa, and R. Silverstein, Beverly Hills, assignors to Plastic & Diecast Products Corp., Los Angeles, Calif. Styrene lacquer for decalcomania produced from the same. 2,603,618, July 15.

Cage, John M., Montclair, N. J. Television camera tube. 2,618,758, Nov. 18.

Cage, John M., Wellesley, assignor to Raytheon Manufacturing Company, Newton, Mass. Dielectric heating apparatus. 2,610,288, Sept. 9.

Cahen, Alfred, Cleveland Heights, Ohio. Machine for notching signatures. 2,605,837, Aug. 5.

Cahen, Herman S., University Heights, Ohio. Apparatus for lighting cigarettes and the like. 2,595,512, May 6.

Cahenzli, Martin T., Jr., and E. W. Mack, assignors to The Harry Alter Company, Chicago, Ill. Brazing machine. 2,603,178, July 15.

Cahill, Arthur T., Weehawken, N. J., and L. V. Merrill, Brooklyn, N. Y. Light-beam projecting means for projecting pictures, floodlighting, spotlighting, etc. 2,584,546, Feb. 5.

Cahill, Harold D., Scarsdale, W. W. Carpenter, Garden City, N. Y., and T. L. Dimond, Rutherford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call data recording automatic telephone system. 2,599,358, June 3.

Cahill, John J., Bronx, assignor to Mutual Machine Company, New York, N. Y. Resilient roller for lamp shade binding machines. 2,592,539, Apr. 15.

Cahill, John L., Dayton, Ohio. Automatic shutoff fuel valve. 2,608,984, Sept. 2.

Cahill, John L., New Albany, Ind. Gasoline lantern. 2,590,434, Mar. 25.

Cahill, John T., Hinsdale, and G. W. Jandacek, assignors to Universal Oil Products Company, Chicago, Ill. Combined fractionation heating and liquid level control means. 2,598,036, May 27.

Cahn, A. Leon, assignee: *See*—
Severance, William M.

Cahn, Benjamin, Paris, France. Hair tweezers with automatic traction. 2,584,547, Feb. 5.

Cahn, Robert P., Elizabeth, N. J., assignor to Standard Oil Development Company. Adsorption process. 2,620,047, Dec. 2.

Cahners, Norman L., Newton, and A. W. Moffat, assignors of one-half to said Cahners, and one-half to Materials Handling Laboratories, Inc., Boston, Mass. Materials handling apparatus. 2,598,222, May 27.

Cahoon, Nelson C., Lakewood, and G. W. Heise, Fairview, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Primary galvanic cell and battery and making same. 2,612,538, Sept. 30.

Cahoon, William F., Birmingham, Ala., assignor to The Wheland Company, Chattanooga, Tenn. Air booster for sawmill setworks. 2,607,374, Aug. 19.

Cahusac, Clarence N., Newark, and F. B. Allen, Towaco, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Optical smoke detector. 2,603,122, July 15.

Cahusac, Clarence N., Newark, and F. B. Allen, Towaco, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Smoke detector. 2,604,597, July 22.

Caillard, Jean G., Le Havre, France. Control system for traveling platforms. 2,601,831, July 1.

Caillat, Albert E.: *See*—
Goulonnès, Noël, and Caillat.

Cain, Louis, Jerusalem, Palestine. Photographic roll film. 2,590,678, Mar. 25.

Cain, Basil S.: *See*—
Pagenkemper, Arthur H., and Cain.

Cain, Basil S., Erie, Pa., assignor to General Electric Company. Brake rigging device. 2,583,765, Jan. 29.

Cain, Gordon A., New York, N. Y., and J. B. Chatelain, Freeport, Tex., assignors to Freeport Sulphur Company, New York, N. Y. Production of sodium cyanide. 2,616,782, Nov. 4.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Automatic phonograph. 2,584,257, Feb. 5.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Automatic disk recorder and playback device. 2,601,501, June 24.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Turntable speed compensator. 2,603,977, July 22.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Automatic voice recorder. 2,614,846, Oct. 21.

Cain, Virginia L., Linden, and C. E. Hemminger, Westfield, N. J., assignors to Standard Oil Development Company. Hydrocarbon synthesis. 2,589,925, Mar. 18.

Caird, David W., Pittsfield, Mass., assignor to General Electric Company. Polymerizing chlorotrifluoroethylene. 2,600,202, June 10.

Cairelli, Eremeldo: *See*—
Uhrmacher, Ralph R., and Cairelli.

Cairnes, William E., Chicago, Ill., assignor to Motorola, Inc. Phonograph pickup unit. 2,582,948, Jan. 22.

Cairns, Edward, Montclair, N. J. Fireman's helmet. 2,619,638, Dec. 2.

Cairns, Robert, Toronto, Ontario, Canada. Air cushion spring suspension. 2,606,757, Aug. 12.

Cairns, Thomas C., Niles, Ohio. Shoelace tightener. 2,611,940, Sept. 30.

Cajowski, Arthur: *See*—
Spahr, John P., and Cajowski.

Cajumi, Franz, Innsbruck, Austria, assignor of one-half to L. Coleman, New York, N. Y. Ignition device. 2,593,978, Apr. 22.

Calabrese, F. F., assignee: *See*—
Stogermayr, Fred.

Calabrese, John, Weston, W. Va. Hernia support. 2,593,262, Apr. 15.

Calabrese, Vincenzo, Turin, Italy. Indicating handgrip. 2,594,121, Apr. 22.

Calavo, Inc., assignee: *See*—
Stupin, Peter J., and Adams.

Calbeck, John H., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treating zinc oxides. Re. 23,475, Apr. 8.

Calbeck, John H., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Production of zinc oxide. 2,603,554, July 15.

Calde, Eleanor Y., Los Angeles, Calif. Garment. 2,598,759, June 3.

Caldemeyer, Daniel F., Evansville, Ind. Combination reclining and rocking chair having a fixed base and track. 2,606,594, Aug. 12.

Calder, Alan R.: *See*—
Fienberg, Nathan, and Calder.

Calder, Caesar A., Verona, N. J. Rail for transporting hangers or carriages and switches therefor. 2,610,584, Sept. 16.

Calder, Caesar A., Verona, N. J. Shirt folding device. 2,610,771, Sept. 16.

Calder, Caesar A., Verona, N. J. Shirt collar support. 2,610,774, Sept. 16.

Calder, Caesar A., Verona, and A. J. Rothschmitt, Union, N. J.; said Rothschmitt, assignor to said Calder. Automatic shirt folding machine. 2,616,594, Nov. 4.

Calderwood, Arthur J., Traer, Iowa. Window latching device. 2,581,629, Jan. 8.

Caldora, Armand, New York, N. Y. Hair curler. 2,619,970, Dec. 2.

Caldwell, Andrew H., Ballston Lake, N. Y., assignor to General Electric Company. Solenoid coil support. 2,610,233, Sept. 9.

Caldwell, Annette, assignee: *See*—
Van Boytham, Stephan.

Caldwell, Berneth M., Emo, Ontario, Canada. C-ring applying and removing tool. 2,616,315, Nov. 4.

Caldwell, Byrt C., Scituate, assignor, by mesne assignments, to H. K. Chisholm, Wellesley, Mass. Tripod. 2,591,051, Apr. 1.

Caldwell, Carlyle G., Forest Hills, assignor to National Starch Products Inc., New York, N. Y. Free-flowing starch esters. 2,613,206, Oct. 7.

Caldwell, Clarence G., Jr., Birmingham, Ala. Playpen. 2,602,643, July 8.

Caldwell, Clyde L., Long Beach, Calif., assignor to Houdry Process Corporation, Wilmington, Del. Method and apparatus for processes employing fluent solids. 2,594,289, Apr. 29.

Caldwell, Clyde L., Long Beach, Calif., assignor to Houdry Process Corporation, Wilmington, Del. Method and apparatus for processes employing fluent solids. 2,595,224, May 6.

Caldwell, Ford W., and J. P. Sharp, Humboldt, Tenn. Resilient clamp. 2,585,089, Feb. 12.

Caldwell, Forrest J., Chicago, Ill. Hair spring and balance wheel timing mechanism. 2,609,680, Sept. 9.

Caldwell, Frank W., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Vertically offset rotary wing axes. 2,590,064, Mar. 18.

Caldwell, Frank W., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Aircraft turbine-propeller control system. 2,590,932, Apr. 1.

Caldwell, Frederic B., Evanston, Ill. Meteorological calculating mechanism. 2,612,316, Sept. 30.

Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Sink mat. 2,586,612, Feb. 19.

Caldwell, John A., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Chart drive mechanism. 2,618,528, Nov. 18.

Caldwell, John B., A. A. Ginsberg, and S. W. Wolf, Toronto, Ontario, Canada. Conveyer feeding device. 2,595,762, May 6.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing β-lactones employing a uranyl salt catalyst. 2,585,223, Feb. 12.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Production of filaments from acrylonitrile-2-methallyl alcohol polymer. 2,591,670, Apr. 8.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of globular protein solutions. 2,592,120, Apr. 8.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Bis (4-β-hydroxyalkoxyphenyl) sulfones and polyesters prepared therefrom. 2,593,411, Apr. 22.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and N-allyl and N-2-methallyl acylamides. 2,596,650, May 13.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Polyesters of hydroxybenzoic acids. 2,600,376, June 17.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Forming filaments of metal salts of cellulose sulfate. 2,603,839, July 22.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. β-hydroxyalkyl diesters of dicarboxydiphenyl sulfones and preparing same. 2,614,120, Oct. 14.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Solutions of polyamides. 2,614,999, Oct. 21.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. 2,2-dimethyl-3-hydroxypropylamine and its preparation. 2,618,658, Nov. 18.

Caldwell, Joseph A., and M. L. Lytle, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Prevention of corrosion in wells. 2,614,982, Oct. 21.

Caldwell, Joseph A., and M. L. Lytle, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Prevention of corrosion in wells. 2,614,983, Oct. 21.
Caldwell, Milford R., Los Molinos, Calif. Controlled fishing float. 2,597,288, May 20.
Caldwell, Stanley B., Caldy, and E. Hurley, Greasby, Wirral, England. Leaf hinge. 2,587,818, Mar. 4.
Caldwell, Welsey A., Manhattan Beach, Calif. Garage door hanger. 2,589,049, Mar. 11.
Calefactor Corporation, assignee: *See*—
Denker, Charles T., and Moore.
Calfee, John D., Manhasset, N. Y., and L. B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of dichlorodifluoromethane. 2,606,937, Aug. 12.
Calfee, Sony G., Washington, D. C. Pilot lamp mounting tool. 2,601,260, June 24.
Calgon, Incorporated, assignee: *See*—
Hatch, George B.
Calhoun, Jack A., assignor to Skycraft Mfg. Corp., Long Beach, Calif. Tethered toy airplane. 2,593,979, Apr. 22.
Calhoun, Roy I., Milwaukee, Wis. Paint roller jacket cleaner. 2,616,281, Nov. 4.
Calhoun, Verna E., Seattle, Wash. Receptacle for lipstick holders and lipsticks. 2,610,732, Sept. 16.
Calicchio, David J., Boston, Mass. Surgical drainage tube. 2,593,980, Apr. 22.
Calicchio, David J., Boston, Mass. Ligator. 2,610,631, Sept. 16.
Calico Printers' Association Limited, The, assignee: *See*—
Isherwood, Fred, and Miller.
Miller, William S.
Calidyne Company, The, assignee: *See*—
Etromson, Philip C., and Lewis.
Callendo, Thomas A., South Ozone Park, N. Y. Pipe reaming and burring attachment for pipes. 2,610,530, Sept. 16.
California Almond Growers Exchange, assignee: *See*—
Bailey, David R.
California Cedar Products Company, assignee: *See*—
Hagan, Owen C.
California Company, The, assignee: *See*—
Babb, John J., and Smith.
California Container Corporation, assignee: *See*—
Evans, Wil.
Shoudy, Paul A.
California Institute Research Foundation, assignee: *See*—
Campbell, Dan H., Koepfli, and Pauling.
Chittum, Joseph F.
Cowan, Eugene W.
Felter, Richard H.
Kemp, Jacob D., and Brooke.
Lauritsen, Charles C.
Neher, Henry V.
Postlewaite, William R.
Yost, Lloyd.
California Packing Corporation, assignee: *See*—
Messina, Salvatore.
Morine, Charles V.
California Portland Cement Company, assignee: *See*—
Olsen, George F.
California Reinforced Plastics Company, assignee: *See*—
Steele, Roger C.
California Research Corporation, assignee: *See*—
Barieau, Robert E.
Barusch, Maurice R., and Payne.
Bates, William A.
Brooke, Lloyd F.
Brown, Lloyd H.
Claussen, William H.
Condit, Daniel H.
Cope, John Q., Jr.
Darragh, John L., and Miller.
Denison, George H., Jr.
Dreher, John L., and Carter.
Egan, Clark J.
Egan, Clark J., and Scott.
Elwell, William E.
Elwell, William E., and Childress.
Elwell, William E., and McGowan.
Hanson, John E.
Harle, Oliver L.
Hotten, Bruce W.
Johnson, Arthur B., and Condit.
Kemp, Jacob D.
Kemp, Jacob D., and Stickland.
Langlois, Gordon E.
Lewis, Allen H., and Stayner.
Lowe, Warren, and Clayton.
Lowe, Warren, Stewart, and Clayton.
Ludwig, Milton, and Postlewaite.
Moody, Clark J.
Morrisroe, John J.
Nelly, George L.
Pinotti, Primo L.
Postlewaite, William R.
Rohrback, Gilson H., Stoner, Macaulay, and Cardwell.
Rutherford, John T.
Scott, John W., and Eagle.
Shiffler, William H.
Standing, Marshall B., Yaplee, and Macaulay.
California Research Corporation, assignee: *See*—Con.
Stewart, Harold R., and Thaw.
Stewart, William T., and Goldschmidt.
Thaw, Wallace M., and Stewart.
Toland, William G.
Toland, William G., Jr.
Wilkes, John B.
Woodruff, Richard L., Stewart, and Lowe.
California Test Bureau, assignee: *See*—
Clark, Ethel M.
California Thimble Corporation, assignee: *See*—
Howser, Claude M.
Caligari, Eugene, Jr., Norfolk, Va. Venetian blind. 2,603,285, July 15.
Calihan, Paul F., Red Wing, and S. A. Mortenson, Minneapolis, Minn. Combination vision mirror and signaling device. 2,595,331, May 6.
Calingaert, George, Geneva, N. Y., and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of alkyl lead compounds. 2,591,509, Apr. 1.
Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Magnesium oxide-barium oxide silver catalyst support and process using the same. 2,593,099, Apr. 15.
Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Silver catalyst supported on a MgO-Al_2O_3 spinel. 2,593,100, Apr. 15.
Calissi, Paul C., Darby, Pa. Lamp construction having column switching means. 2,584,548, Feb. 5.
Calkins, Chauncey L., Lake Bluff, Ill., assignor to American Can Company, New York, N. Y. Control mechanism for machines receiving articles from stacks. 2,623,620, Dec. 30.
Calkins, Dwight L., assignor to Calkins Manufacturing Company, Spokane, Wash. Rotary subsoiler. 2,613,585, Oct. 14.
Calkins, Dwight L., assignor to Calkins Manufacturing Company, Spokane, Wash. Revolving spring tooth harrow. 2,614,375, Oct. 21.
Calkins Manufacturing Company, assignee: *See*—
Calkins, Dwight L.
Guyer, Morris W.
Calkins, Neil H., Merchantville, N. J. Cam actuated diaphragm sealed valve. 2,617,626, Nov. 11.
Call, Howard L., Ogden, Utah. Amalgam carrier. 2,603,871, July 22.
Call, Wilson, Oildale, Calif. Chain binder. 2,621,020, Dec. 9.
Callahan, Charles A., Philadelphia, Pa. Power-driven cutting blade and sharpening apparatus therefor. 2,621,454, Dec. 16.
Callahan, Ezra L., Inglewood, Calif. Transit. 2,596,468, May 13.
Callahan, John T., Jr.: *See*—
Pitcher, James W., and Callahan.
Callahan, Oscar L., West Frankfort, Ill. Safety valve. 2,590,679, Mar. 25.
Callahan, Robert L.: *See*—
Mendro, Joseph N., Callahan, and Horner.
Callan, Patrick J., Manhasset, N. Y. Constructing buildings. 2,595,123, Apr. 29.
Callander Foundry & Manufacturing Company Limited, The, assignee: *See*—
Copp, William.
Callaway, Alfred S., Hartsdale, N. Y. Multiple machine tool. 2,619,135, Nov. 25.
Callaway, Lester R.: *See*—
Beck, Lester E., and Callaway.
Callaway Mills Company, assignee: *See*—
Newsom, Seth A. T.
Parker, Samuel P.
Callear, Thomas E.: *See*—
Sun, Kuan-Han, and Callear.
Callen, Harry, Chicago, assignor to Callen Manufacturing Corporation, Maywood, Ill. Toy bomb. 2,616,219, Nov. 4.
Callen Manufacturing Corporation, assignee: *See*—
Callen, Harry.
Calling, John: *See*—
Borgerd, William F., and Calling.
Calling, John, Evansville, Ind., assignor to International Harvester Company. Rotation indicator for hermetically sealed motor compressor units. 2,613,628, Oct. 14.
Calloway Mills Company, assignee: *See*—
Parker, Samuel P.
Callsen, Albert, and A. Grözinger, assignors to Robert Bosch G. M. b. H., Stuttgart, Germany. Switching mechanism. 2,604,566, July 22.
Calmels, Louis, Paris, France, assignor to Shell Development Company, San Francisco, Calif. Automatic valve. 2,611,389, Sept. 23.
Cal-Metal Corporation, assignee: *See*—
Babbitt, Charles A.
Calmic Inc., assignee: *See*—
Ward, Harold.
Calon, Georges: *See*—
Mataré, Herbert F., Calon, and Philippoteaux.
Calonico, James T.: *See*—
Carpenter, Arthur H., and Calonico.
Calpat Corporation, The, assignee: *See*—
Heim, Jacob G.

Caltex Sportswear Co. of California, Inc., assignee: *See*—
Russell, Winifred M.
Calton, Robert G., Nashville, Tenn. Apparatus for porcelain enameling sheet metal. 2,580,406, Jan. 1.
Calumet and Hecla Consolidated Copper Company, assignee: *See*—
Hill, Walter P.
Calvert, Bert, Los Angeles, Calif. Dipper-stick crowding means for excavators. 2,586,000, Feb. 19.
Calvert, Gresham, Aptos, Calif. Heater element. 2,596,837, May 13.
Calvert, Harry B., Boring, Oreg. Volumetric hydraulic system for precisely controlling position. 2,613,703, Oct. 14.
Calvert, Raymond: *See*—
Fennessy, Edward, Roberts, and Calvert.
Calvert, Raymond, assignor to The Wayne Kerr Laboratories Limited, New Malden, England. High-frequency alternating current bridge. 2,589,535, Mar. 18.
Calvi, Giovanni B., Genoa-S. Quirico, Italy. Traverse mechanism. 2,602,607, July 8.
Calvin, Melvin, and J. W. Weigl, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Concentrating isotopic carbon. 2,602,047, July 1.
Camarena, Fernando: *See*—
Legorreta, Luis G., Posada, and Camarena.
Cambridge Industries Company, assignee: *See*—
Pöckel, Irving.
Cambridge Instrument Company, Inc., assignee: *See*—
Fleming, John G.
Cambridge Manufacturing Corporation, assignee: *See*—
Goderes, Carl.
Cambridge Thermionic Corporation, assignee: *See*—
Hurlbut, Cornelius S., Jr.
Cambron, John R., and D. C. Rockola, assignors to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph. 2,611,619, Sept. 23.
Came, Frederick C., assignee: *See*—
Walden, Lester M., and Hernblad.
Camerino, Ernest, New York, N. Y. Universal coupling. 2,587,819, Mar. 4.
Cameron, Beryl F., Cambridge, Ohio. Tool for releasing clock springs. 2,615,357, Oct. 28.
Cameron, Dave, York, S. C. Hay storage and feeding barn. 2,613,640, Oct. 14.
Cameron, Gordon, Battle Creek, Mich. Nonslip load hoisting saddle sling assembly. 2,603,523, July 15.
Cameron Iron Works, assignee: *See*—
Allen, Herbert.
Works, Madden T.
Cameron Iron Works, Inc., assignee: *See*—
Allen, Herbert.
Cameron, Iverson L., and B. C. Spransy, Alexandria, Va. Journal box and hydraulic safety valve therefor. 2,588,204, Mar. 4.
Cameron, John A., Evanston, assignor to Cleanser Products, Inc., Chicago, Ill. Cleaning aid. 2,601,771, July 1.
Cameron, John S., Compton, assignor of one-half to M. E. Feiler, Los Angeles, Calif. Antifouling marine paint. 2,583,545, Jan. 29.
Cameron Machine Company, assignee: *See*—
Carter, Thomas N.
Carter, Thomas N., and Frascella.
Cameron, Martha E., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Styrene-monoalkyl maleate-polyvinyl alcohol interpolymers emulsion adhesive and preparing same. 2,612,486, Sept. 30.
Cameron, Robert R., Denver, Colo. Double-glazed metal sash. 2,591,780, Apr. 8.
Cameron, Robert R., Denver, Colo. Securing metal members together. 2,618,726, Nov. 18.
Cameron, Warren B. S., Hillsgrove, assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain hanger-pleater. 2,588,203, Mar. 4.
Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Hydraulic press. 2,615,302, Oct. 28.
Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Elevator. 2,617,498, Nov. 11.
Camfield Manufacturing Company, assignee: *See*—
Olson, Henry L., and Freeze.
Olson, Henry L., Hale, and Miller.
Starts, Albert.
Camilli, Guglielmo, and W. F. M. Gray, Pittsfield, and L. Mulligan, West Stockbridge, Mass., assignors to General Electric Company. Paper pulp coating of coils. 2,602,035, July 1.
Camilli, Guglielmo, Pittsfield, and L. Mulligan, West Stockbridge, Mass., assignors to General Electric Company. Crepe paper cable insulation. 2,607,823, Aug. 19.
Camilli, Guglielmo, Pittsfield, and L. Mulligan, West Stockbridge, Mass., assignors to General Electric Company. Two-way stretch paper in insulated cables. 2,607,824 Aug. 19.
Camillo, Edward, Philadelphia, Pa. Stocking. 2,586,204, Feb. 19.
Camilly, Roger L., Cleveland, and O. F. Quartullo, South Euclid, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Vehicle axle clearing plow. 2,618,874, Nov. 25.
Camisa, George, and G. E. Hecker, Brooklyn, N. Y.; said Hecker assignor to said Camisa. Ambulatory commode vehicle. 2,614,610, Oct. 21.
Cammann, Oswald, Weston, Mass. Random-motion spray device. 2,622,926, Dec. 23.
Cammarato, James V., Washington, D. C. Protector for gas cylinder valves. 2,593,533, Apr. 22.
Camnasio, Carlo, G. A. Venturelli, and G. Colalupo, Milan, assignors to Officine Moncenisio, già An. Bauchiero, Turin, Italy. Circular knitting machine for stockings and the like. 2,595,922, May 6.
Camnasio, Carlo, G. A. Venturelli, and G. Colalupo, Milan, assignors to Officine Moncenisio, gia An. Bauchiero, Turin, Italy. Double cylinder circular knitting machine. 2,600,203, June 10.
Camnasio, Carlo, G. A. Venturelli, and G. Colalupo, Milan, assignors to Officine Moncenisio, gia An. Bauchiero, Turin, Italy. Circular knitting machine. 2,606,432, Aug. 12.
Camner, Hilding G.: *See*—
Pyk, Herman T., and Camner.
Camner, Hilding G., Storangen, assignor to Aktiebolaget Atlas Diesel, Sickla, Sweden. Fuel injection device. 2,591,401, Apr. 1.
Camner, Hilding G., Storangen, assignor to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Fuel injection valve. 2,602,703, July 8.
Camner, Hilding G., Storangen, assignor to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Pressure reduction valve. 2,608,208, Aug. 26.
Camp, Henry P., Conneaut Lake Park, Pa., assignor to Talon, Inc. Stop applying machine for slide fasteners. 2,619,148, Nov. 25.
Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Decorated wallboard and making the same. 2,581,076, Jan. 1.
Campanelli, Anthony M., New York, N. Y. Quick detachable toilet hinge post fastener. 2,593,534, Apr. 22.
Campbell, A. S., Co., Inc., assignee: *See*—
Hill, Hillary L.
Campbell, Arthur B., La Salle, Ill., assignor to General Time Corporation, New York, N. Y. Timing movement. 2,591,402, Apr. 1.
Campbell, Calvin C., assignor of one-half to L. E. Chandler, Colorado City, Tex. Minnow transport container. 2,590,370, Mar. 25.
Campbell, Charles A., assignor to Solventol Chemical Products, Inc., Detroit, Mich. Cleaning composition. 2,583,165, Jan. 22.
Campbell, Charles R., Jr., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Through-feed staking machine. 2,596,125, May 13.
Campbell, Clifford C., Lakeland, Fla., assignor to The Davison Chemical Corporation, Baltimore, Md. Rotary feeder. 2,617,545, Nov. 11.
Campbell and Company, assignee: *See*—
Putterbaugh, John D.
Campbell, Dan H., Altadena, J. B. Koepfli, San Marino, and L. Pauling, Sierra Madre Villa, assignors to California Institute Research Foundation, Pasadena, Calif. Producing gelatin derivative. 2,591,133, Apr. 1.
Campbell, David H., Los Angeles, Calif., assignor to North American Aviation, Inc. Frequency divider. 2,595,124, Apr. 29.
Campbell, David T., Indianapolis, Ind. Nonsmoke-back solid fuel furnace. 2,600,614, June 17.
Campbell, Donald A., and R. M. Buck, assignors, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Combined inspirator and gas burner. 2,592,007, Apr. 8.
Campbell, Earl L., assignee: *See*—
Cuckler, Gordon D.
Campbell, Edward F., Jeffersonville, Ind. Stove pipe-tent pole combination with shield. 2,601,865, July 1.
Campbell, Edward F., Jeffersonville, Ind. Drafting instrument. 2,605,550, Aug. 5.
Campbell, Edward F., Jeffersonville, Ind. Connector for tent ridge poles. 2,617,436, Nov. 11.
Campbell, Edward O.: *See*—
Duhamel, Howard G., Campbell, and Reed.
Campbell, Frank H., Pasadena, Calif. Ski binding. 2,610,861, Sept. 16.
Campbell, Fred H., Milwaukee, Wis. Packing retainer and lint eliminator for railway journal boxes. 2,606,797, Aug. 12.
Campbell, Gerald J., Miami, Fla. Forming apparatus for edible food products. 2,599,894, June 10.
Campbell, Harold A., Denville, M. A. Stahmann, Middleton, C. F. Huebner, Summit, N. J., and K. P. Link, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Lowering blood prothrombin level and lengthening clotting time with methylene-bis-hydroxy coumarin. 2,601,204, June 17
Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft. 2,580,514, Jan. 1.
Campbell, Harris S., Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Auxiliary rotor for helicopters. 2,581,923, Jan. 8.
Campbell, Harris S., Bryn Athyn, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Damping device for rotative wing aircraft. 2,604,953, July 29.

Campbell, Harry L., Oak Park, assignor to Claud S. Gordon Company, Chicago, Ill. Core hardness tester. 2,620,654, Dec. 9.

Campbell, Harry L., Oak Park, assignor to Claud S. Gordon Company, Chicago, Ill. Moisture tester. 2,622,438, Dec. 23.

Campbell, Harry L., Wilmette, Ill. Extension ladder and hoist therefor. 2,588,959, Mar. 11.

Campbell-Hausfeld Company, The, assignee: *See*—
Hartman, Clarence F.

Campbell, Jackson L., Cleveland, Ohio. Coffee dispenser. 2,588,960, Mar. 11.

Campbell, James M., Greenfield, Mass. Insecticide sprayer. 2,587,965, Mar. 4.

Campbell, James R., Laguna Beach, Calif. Coffee brewer. 2,604,031, July 22.

Campbell, John, Florence, assignor to L. M. Seidel, Bordentown, N. J. Fencing structure. 2,622,848, Dec. 23.

Campbell, John A.: *See*—
Hill, Lawrence R., and Campbell.

Campbell, John A., East Cleveland, Ohio, assignor to General Electric Company. Sorting apparatus. 2,615,567, Oct. 28.

Campbell, John F.: *See*—
Rood, Alvin A., and Campbell.

Campbell, John F., Cuyahoga Falls, Ohio. Flexible sleeve type vulcanizing apparatus for V belts and the like. 2,583,085, Jan. 22.

Campbell, John F., Cuyahoga Falls, Ohio. Collapsible V-belt mold. 2,586,300, Feb. 19.

Campbell, John F., and T. M. Shirley, Meridian, Miss., assignors to The Patent and Licensing Corporation, New York, N. Y. Pulp testing device. 2,602,325, July 8.

Campbell, John G., Corpus Christi, and H. L. Twining, San Antonio, Tex.; said Campbell assignor to said Twining. Composition for sealing porous formations in oil and gas well. 2,599,745, June 10.

Campbell, Joseph B., Syracuse, N. Y. Partition construction. 2,612,243, Sept. 30.

Campbell, Julian A., Long Beach, Calif. Apparatus for liquid level control. 2,590,680, Mar. 25.

Campbell, Julian A., Long Beach, Calif. Gas separator. 2,590,681, Mar. 25.

Campbell, Julian A., Long Beach, Calif. Liquid level control system. 2,620,819, Dec. 9.

Campbell, Lyman L.: *See*—
Hodson, George F., and Campbell.

Campbell, Lyman L., Chicago, Ill., assignor to Wilson & Co., Inc. Weighing apparatus. 2,605,695, Aug. 5.

Campbell, Paul J.: *See*—
Raymond, Horace H., Bliss, Coe, and Campbell.

Campbell, Paul J., Berlin, assignor, by mesne assignments, to Raymond Engineering Laboratory, Inc., Middletown, Conn. Apparatus for regulating yarn tension. 2,610,813, Sept. 16.

Campbell, Paul J., Middletown, assignor to United Aircraft Corporation, East Hartford, Conn. Ionized air stall detector. 2,603,695, July 15.

Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Visual signal type annunciator. 2,605,337, July 29.

Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Intercommunicating apparatus. 2,606,976, Aug. 12.

Campbell, Richard H., Jr., Westminster West, and G. H. Hadden, West Dummerston, assignors to Minshall-Estey Organ, Inc., Brattleboro, Vt. Keying device for electronic organs. 2,599,510, June 3.

Campbell, Richard L., Melrose, Mass., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Phase discriminator. 2,593,842, Apr. 22.

Campbell, Robert A., Glen Flora, Wis. Stone crushing device. 2,585,224, Feb. 12.

Campbell, Rodney B., assignor to M. R. Maben, trustee, Van Nuys, Calif. Selector valve. 2,621,050, Dec. 9.

Campbell, Rollin E., and W. P. Thompson, Anderson, Ind. Tire spreader. 2,589,771, Mar. 18.

Campbell, Samuel J., Green Bay, Wis. Wrapping machine. 2,602,276, July 8.

Campbell, Scott E., Los Angeles, Calif. Fluid control valve. 2,583,357, Jan. 22.

Campbell, Shirley P., assignor to The Coleman Company, Inc., Wichita, Kans. Stack draft booster and control device for combustion apparatus. 2,584,326, Feb. 5.

Campbell Soup Company, assignee: *See*—
Johannes, Erich H. L.

Campbell, Thomas A., Chicago, Ill., and M. Harris, Detroit, Mich., assignors to Stewart-Warner Corporation, Chicago, Ill. Combined grease pump and reservoir. 2,612,296, Sept. 30.

Campbell, Tod W., Orinda, and G. M. Coppinger, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Synthesis of organic peroxides. 2,610,972, Sept. 16.

Campbell, Von C., Scotia, N. Y., assignor to General Electric Company. Depositing an impervious metal film on a granular surface. 2,597,617, May 20.

Campbell, Von C., Syracuse, N. Y., assignor to General Electric Company. Electron gun and mounting therefor. 2,592,242, Apr. 8.

Campbell, William H., assignee: *See*—
Lytle, Orville C.

Campbell, Willard S.: *See*—
Parsons, Clinton H., Campbell, and West.

Campbell, William J., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation. Coaster brake for velocipedes. 2,613,763, Oct. 14.

Campbell, William S., Astoria, N. Y. Multiple valve for condenser tube blowers. 2,593,101, Apr. 15.

Campione, Saverio J., North Andover, assignor to Allied Shoe Machinery Corp., Haverhill, Mass. Shoe sole press. 2,594,728, Apr. 29.

Campling, Aubrey G., Concord, New South Wales, Australia. Hoist for motor vehicles. 2,622,746, Dec. 23.

Campo, Jack, Chicago, Ill. General utility lamp. 2,618,451, Nov. 18.

Campomar, José, Montevideo, Uruguay. Attachment for drinking cups, glasses, and similar receptacles to prevent the spilling of liquids contained therein. 2,600,479, June 17.

Camras, Marvin: *See*—
Heeren, Martin H., and Camras.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Compensating device for a magnetic recording-reproducing head. 2,584,984, Feb. 12.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic pickup head and mount therefor. 2,585,913, Feb. 19.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Apparatus for supplying mechanical recording bias to magnetic recorders. 2,587,593, Mar. 4.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Reel. 2,591,052, Apr. 1.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recorder with pressure shoe for record members. 2,603,721, July 15.

Camras, Marvin, assignor to Armour Research Foundation of Illinois, Institute of Technology, Chicago, Ill. Tape and disk recording and reproducing device. 2,611,618, Sept. 23.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Making magnetic recording heads. 2,612,681, Oct. 7.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Spool and drive therefor. 2,614,761, Oct. 21.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Device for increasing the effectiveness of the transducing field of a magnetic head. 2,615,097, Oct. 21.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Resilient mount for magnetic heads. 2,618,710, Nov. 18.

Canada, Alfred H., Schenectady, N. Y., assignor to General Electric Company. Spectrophotometer. 2,605,671, Aug. 5.

Canada Cycle and Motor Company Limited, assignee: *See*—
Jennett, Lorne B.

Canada, Her Majesty the Queen in the right of, as represented by the Minister of Mines and Technical Surveys, assignee: *See*—
Meier, Jerzy W.

Canada Illinois Tools Limited, assignee: *See*—
Rintoul, Peter.

Canada Packers Limited, assignee: *See*—
Illnicks, William J.

Canada Paper Company, assignee: *See*—
Tomlinson, George H., and Swartz.

Canada Wire and Cable Company Limited, assignee: *See*—
Smith, Esmond W.

Canaday, Walter A., Bridgeport, Nebr. Burial apparatus. 2,583,628, Jan. 29.

Canadian Celanese Limited, assignee: *See*—
Hilliard, Thomas H.

Canadian Controllers, Limited, assignee: *See*—
Grepe, Frederick Y.

Canadian Copper Refiners Limited, assignee: *See*—
Schloen, John H., and Franchetto.

Canadian Industries Limited, assignee: *See*—
Bilton, John A., and Segall.
Griffin, Grant C., and Ivany.
Kerr, Hugh M., Richardson, and Logan.
Segall, Gordon H., and Dixon.

Canadian International Paper Company, assignee: *See*—
Rapson, William H.
Wayman, Morris, and Rapson.

Canadian Locomotive Company Limited, assignee: *See*—
Casey, William.

Canadian Patents and Development Limited, assignee: *See*—
Harrison, John S. M., and Roach.
Vandenheuvel, Frantz A.

Canadian Refractories Limited, assignee: *See*—
Lathe, Frank E.

Canadian Safety Fuse Company Limited, assignee: *See*—
Chalmers, John B., and McCaffrey.

Canady, Don, Cincinnati, Ohio. Antenna. 2,602,138, July 1.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Randall, Walter H.
Shepard, Ernest L.

Canale, Alfred J., Moorestown, and J. K. Kincaid, Mount Holly, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of cyclooctatetraene. 2,613,231, Oct. 7.

Canarlis, Svend A., Jacksonville, Fla. Method of and apparatus for the aeration of liquids. 2,591,134, Apr. 1.

Cancell, Theodora S., Larchmont, N. Y. Shampoo device. 2,600,392, June 17.

Candee, Ellsworth T., Watertown, Conn., assignor to The Lea Manufacturing Company. Packaging buffing compound and like materials. 2,617,521, Nov. 11.

Candelise, Alfred, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,589,338, Mar. 18.

Candell, Earl B., assignor to General Electric Company, Cleveland Heights, Ohio. Shipping and display package. 2,623,682, Dec. 30.

Candella, Joseph S.: *See*—
St. Maurice, Armand, and Candella.

Candlin, James E., Jr., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car. 2,582,002, Jan. 8.

Candlin, James E., Jr., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Pivoted lavatory apparatus for railway cars. 2,582,003, Jan. 8.

Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Electric appliance control. 2,606,991, Aug. 12.

Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,608,252, Aug. 26.

Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Clothes-washing machine. 2,611,256, Sept. 23.

Cane, Howard, and D. M. Knowles, New York, N. Y. Mounting for watches. 2,603,942, July 22.

Canfield, Earl L., Essex, Conn. Desk lighting unit and work surface. 2,614,204, Oct. 14.

Canfield, Edgar E.: *See*—
Canfield, Richard D. and E. E.

Canfield, Jesse J.: *See*—
Olt, Theodore F., and Canfield.

Canfield, Richard D. and E. E., Albertville, Ala. Electrical pest destroyer. 2,592,654, Apr. 15.

Canfield, Robert H., Washington, D. C. Wakeless torpedo 2,589,225, Mar. 18.

Canham, George E.: *See*—
Pfleger, Fred W., and Canham.

Canham, George E., West Orange, assignor to Margon Corporation, Bayonne, N. J. Doll eye support. 2,618,897, Nov. 25.

Cannard, William H.: *See*—
Stevenson, Allan B., and Cannard.

Cannata, Philip J.: *See*—
Ciroli, Anthony J., and Cannata.

Canno, Leonard E., New York, assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y. Making carry bags. 2,586,514, Feb. 19.

Cannon, Edward S., Shaker Heights, Ohio. Silent or semiinoiseless vibrator. 2,590,155, Mar. 25.

Cannon, Ernest E., assignor to Valley Products Corporation, Lyford, Tex. Crate disassembling and salvaging machine. 2,593,843, Apr. 22.

Cannon, H. P., & Son, Incorporated, assignee: *See*—
Harris, Richard W.

Cannon, James R., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical measuring apparatus. 2,616,948, Nov. 4.

Cannon, Joseph G., Appleton, Wis. Automatic cycling valve. 2,620,825, Dec. 9.

Cannon, Madison M., Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company. Forehearth cooled refractory channel joint. 2,582,477, Jan. 15.

Cannon, Madison M., Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company. Forehearth construction. 2,583,029, Jan. 29.

Cannon, Madison M., Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company. Method and apparatus for handling glass batch. 2,593,535, Apr. 22.

Cannon, Madison M., Jr., West Hartford, Conn., assignor to Emhart Manufacturing Company. Ascertaining combustion characteristics of premixtures. 2,603,085, July 15.

Cannon, Melvin C.: *See*—
Lester, Raymond H., Cannon, and Alexander.

Cannon, Michael R., assignor to Scientific Development Co., State College, Pa. Packing material. 2,602,651, July 8.

Cannon Mills Company, assignee: *See*—
Ridenhour, Joseph C.

Cannon, Reginald: *See*—
Ware, Richard N., Jr., and Cannon.

Cano, Antonio, assignee: *See*—
Buck, Eugene W.

Canon Camera Company, Ltd., assignee: *See*—
Suzukawa, Hiroshi.

Canon, Gus, Rencona, N. Mex. Pump for wells. 2,605,717, Aug. 5.

Canter, Joe W., Wilmar, Ark. Handle for bucksaws. 2,615,485, Oct. 28.

Cantley, Joseph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pressure applying mechanism. 2,618,931, Nov. 25.

Cantral, John I.: *See*—
Silver, Walter H., and Cantral.

Cantrell, Lonnie O., Whittier, Calif. Paper roll holder. 2,613,041, Oct. 7.

Cantrell, Orel L., Topeka, Kans. Trailer for boats and the like. 2,610,865, Sept. 16.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and Peters.

Cantrell, Zell O., Yuba City, Calif. Fuel vaporizing device. 2,623,978, Dec. 30.

Canup, Harley L., Kershaw, S. C. Compensating bearing for cloth rolls of looms. 2,601,876, July 1.

Canziani, Victor J., and D. C. Silverman, Brooklyn, and R. P. Wiener, Bronx, N. Y., assignors to Fairchild Camera and Instrument Corporation. Interchangeable adjustable resistance unit. 2,592,392, Apr. 8.

Caparone, Michael J., Arcadia, Calif., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Ignition and control system for fuel burners. 2,607,406, Aug. 19.

Caparone, Michael J., Arcadia, Calif., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control device. 2,614,754, Oct. 21.

Capecelatro, Achille: *See*—
Hubbard, Charles L., and Capecelatro.

Capell, Sidney E., assignor to The General Industries Company, Elyria, Ohio. Plural-speed friction drive mechanism. 2,612,053, Sept. 30.

Capellaro, Natale, Ivrea, Italy, assignor to Ing. C. Olivetti & C. Societa per Azioni. Multiplier printing mechanism. 2,603,414, July 15.

Capers, Claude V., Atlanta, Ga. Collocating printing member. 2,609,613, Sept. 9.

Caplak, Ignatius J., Chicago, Ill. Motor propelled snow sled. 2,582,858, Jan. 15.

Capita, Emil R., North Bergen, N. J. Electrical connector. 2,593,981, Apr. 22.

Capital Industries, Inc., assignee: *See*—
Brock, Harold A.

Caplan, Barney, Camden, N. J. Extensible hem garment construction. Re. 23,491, May 20.

Caplan, Solomon: *See*—
Rosamilia, Peter L., and Caplan.

Caple, Kenneth M.: *See*—
Dell, Hugh A., Caple, and Beaven.

Caponera, George H., Harrison, N. Y. Food catching apron for chairs. 2,585,434, Feb. 12.

Capp, Frank M., and R. E. Adamson, Michigan City, Ind., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Kelly drive for rotary drills. 2,586,784, Feb. 26.

Cappelen, Albert L.: *See*—
Preston, William E., Cappelen, and Miller.

Cappelle, Norman: *See*—
English, Robert R., and Cappelle.

Capps, Ronald: *See*—
Paul, Philip F., and Capps.

Capra, Amneris and O., Jamaica, N. Y. Draining basket. 2,588,614, Mar. 11.

Capra, Ottavio: *See*—
Capra, Amneris and O.

Capra, Paul H., Philadelphia, Pa. Luggage. 2,598,888, June 3.

Caprez, Hans, and E. Kruse, assignors to Landis & Gyr, A. G., Zug, Switzerland. Object of pressed or sprayed material fitted with a sign. 2,584,841, Feb. 5.

Capriotti, Pasquale, Smithfield, Pa. Can opener. 2,621,403, Dec. 16.

Capstack, Eugene J., and E. H. C. Brown, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Sorting apparatus. 2,584,327, Feb. 5.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture sensitometry. 2,582,004, Jan. 8.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Printing onto lenticular film. 2,588,615, Mar. 11.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for transferring an emulsion layer from a perforated film strip. 2,611,686, Sept. 23.

Caputo, James V., Youngstown, Ohio and T. J. Crawford, Berkley, Mich., said Crawford assignor to said Caputo. Electrical apparatus. 2,600,844, June 17

Caracristi, Virginius Z., Bronxville, N. Y., and H. C. Mittendorf, East Orange, N. J., assignors to Combustion Engineering-Superheater, Inc., New York, N. Y. Control and indicating means for burner igniter torches. 2,622,669, Dec. 23.

Caradine, James T., St. Louis, Mo. Visual record tallying device. 2,612,707, Oct. 7.

Caragnis, Evan L., Dracut, Mass. Machine for use in harvesting. 2,622,385, Dec. 23.

Carandell Marimón, Juan, assignor to F. B. Faidella, Barcelona, Spain. Manufacturing and repairing roofs of railway wagons and similar vehicles. 2,614,509, Oct. 21.

Carando Machine Works, assignee: *See*—
Bellato, Frank A.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Drip tray assembly. 2,584,670, Feb. 5.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Frost indicator for refrigerators. 2,619,067, Nov. 25.

Carberry, Mal, Fresno, Calif. Material disseminating apparatus for airplanes. 2,582,678, Jan. 15.

Carbiener, Harvey D., assignor to Excel Corporation, Elkhart, Ind. Friction device for holding wind wings open. 2,582,584, Jan. 15.

Carbodies Limited, assignee: *See*—
Orr, John H.

Carbonaro, Marius C., Paris, France. Feeding of internal-combustion engines. 2,589,536, Mar. 18.

Carbonaro, Marius C., Paris, France. Regulating device for gas radiators. 2,620,132, Dec. 2.

Carbone, James H., Baldwin, N. Y. Fluid flow orifice structure. 2,614,423, Oct. 21.

Carbonic Development Corporation, assignee: *See*—
Hasche, Rudolph L.

Carbonic Dispenser, Inc., assignee: *See*—
Welty, Frank and R. D.

Carbonnaux, Louis, assignee: *See*—
Picard, Lucien.

Carborundum Company, The, assignee: *See*—
Robie, Norman P.

Carbrey, Robert L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Triangular wave generator. 2,602,151, July 1.

Carbrey, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coder for pulse code modulation. 2,602,158, July 1.

Carbrey, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation communication system. 2,610,295, Sept. 9.

Card, Charles S., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Making socket for electrical hardware and fittings. 2,590,229, Mar. 25.

Card, James V., La Grange, Tex. Mattress carrier sunner. 2,587,108, Feb. 26.

Card, Kenneth F., Canova Park, assignor of one-third to J. L. Austin, Los Angeles, and one-third to G. F. Smyth, Inglewood, Calif. Game device simulating a western rodeo. 2,610,854, Sept. 16.

Cardall, Richard R., Salt Lake City, Utah. Dispensing cabinet for rolled sheet materials. 2,594,391, Apr. 29.

Cardella, Salvatore, Maspeth, and H. G. Eriksson, Brooklyn, N. Y. Internally fired sheet metal gas burner. 2,597,062, May 20.

Carder, James W., Salem, W. Va. Device for indicating the true shape of workpieces. 2,583,253, Jan. 22.

Cardiff, Ira D., Yakima, Wash. Picking and pruning attachment to be mounted on trucks. 2,601,092, June 17.

Cardinal Chemical Corporation, assignee: *See*—
Lailow, Jules.

Cardinale, Salvatore, Freeport, N. Y. Pole supported fruit gatherer. 2,581,236, Jan. 1.

Carding Specialists (Canada) Limited, assignee: *See*—
Varga, André.

Cardox Corporation, assignee: *See*—
Mitcheltree, Walter F.

Cardwell, Harland W., G. G. Brown, and E. V. Hobbs, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Spudder attachment. 2,584,328, Feb. 5.

Cardwell, Harland W., and G. G. Brown, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Portable drilling rig. 2,617,500, Nov. 11.

Cardwell, Harland W., and E. R. Johnson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Clutch or brake with flexible backing disks. 2,619,212, Nov. 25.

Cardwell, Harland W., and E. R. Johnson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Flexible plate clutch or brake. 2,621,768, Dec. 16.

Cardwell, Harland W., and E. R. Johnson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Flexible plate clutch or brake. 2,621,769, Dec. 16.

Cardwell, Harland W., and E. R. Johnson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Multiple clutch device. 2,622,714, Dec. 23.

Cardwell Machine Company, Inc., The, assignee: *See*—
Boehling, Daniel E.
Cardwell, Harland W., and Johnson.

Cardwell Manufacturing Company, Inc., assignee: *See*—
Cardwell, Harland W., and Brown.
Cardwell, Harland W., Brown, and Hobbs.
Cardwell, Harland W., and Johnson.

Cardwell, Paul H., A. W. Coultre, Jr., and H. H. Jones, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Deep well treatment. 2,590,814, Mar. 25.

Cardwell, Paul H., L. H. Eilers, and B. P. Robinson, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Composition for removing scale deposits from ferrous metal surfaces. 2,606,873, Aug. 12.

Cardwell, Paul H., Tulsa, Okla., and C. M. Loucks, Cleveland, Ohio, assignors to The Dow Chemical Company, Midland, Mich. Cleaning brick checkerwork. 2,621,136, Dec. 9.

Cardwell, Paul H., and B. P. Robinson, Tulsa, Okla, assignors to The Dow Chemical Company, Midland, Mich. Removing calcium sulfate scale. 2,606,157, Aug. 5.

Cardwell, William T. Jr.: *See*—
Rohrback, Gilson H., Stoner, Macaulay and Cardwell.

Cardwood Products Corp., assignee: *See*—
Kirshbaum, Harry T.

Care, Samuel J., Forty Fort, and A. Shara, Kingston, Pa. Mop holder having a hollow handle and a retractable jaw. 2,594,392, Apr. 29.

Caretta, Ettore: *See*—
Matera, Emanuele, and Caretta.

Carew, Herman, assignor to Dixie Cup Company, Easton, Pa. Holder for paper cups. 2,610,491, Sept. 16.

Carew, Herman, Easton, Pa., assignor to Dixie Cup Company, Chicago, Ill. Holder for paper cups. 2,610,492, Sept. 16.

Carey, Clinton C., assignor to Kenosha Auto Transport Corp., Springfield, Ohio. Truck chassis support. 2,582,767, Jan. 15.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Universal pipe connection for spill burners. 2,595,566, May 6.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. High-pressure pump. 2,599,609, June 10.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Fuel supply system for spill type burners. 2,608,247, Aug. 26.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Fuel supply control for gas turbines. 2,609,868, Sept. 9.

Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Windshield wiper mechanism. 2,598,971, June 3.

Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid operated windshield wiper motor. 2,621,634, Dec. 16.

Carey-McFall Company, assignee: *See*—
Di Ienno, John J.
Stuber, Walter J., and Di Ienno.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Fasold, George A., and Greider.
Greider, Harold W., and Fasold.

Carey, Richard A., and M. N. Dooley, Montclair, N. J. Reversing rheostat. 2,617,911, Nov. 11.

Carey, Robert M., assignee: *See*—
Miller, Hubert E.

Carey, Troy L., and I. Lubersky, Seattle, Wash., assignors to Fibreboard Products Inc., San Francisco, Calif. Shipping case. 2,606,709, Aug. 12.

Carfano, Louis, and C. D'Amico, Bayonne, N. J. Defrosting device. 2,621,648, Dec. 16.

Cargill, Don A., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Automatic milling cutter grinder. 2,610,449, Sept. 16.

Cargill, Sylvester H., assignee: *See*—
Close, Winston A.
Heyroth, Albert H.
Nicholson, Kenneth C.
Proudfoot, Charles B.
Swentzel, John P.
Thomas, James A., Jr.
Tone, Frank J., and Martin.
Wallace, Water L., and Roble.
Wooddell, Charles E., Van Nimwegen, and Hager.

Cargill, William W., Jr., Madison, Wis. Method and apparatus for transmitting intelligence by radio waves. 2,588,380, Mar. 11.

Carhart, Arthur H., Denver, Colo. Deer call. 2,584,549, Feb. 5.

Carhart, Homer W., Washington, D. C., and P. C. Teague, Forest Hills, Md. Separating dinyl-2-imino hydantoins from the corresponding 2,5-di-imino glycolurils. 2,596,126, May 13.

Carissimi, Louis C., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Shaver head. 2,591,403, Apr. 1.

Carissimi, Louis C., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Shaver head mounting. 2,601,720, July 1.

Carl Art, Inc., assignee: *See*—
Volk, Paul F.

Carle, Paul: *See*—
Hardy, Gordon W., Ray, and Carle.

Carleton, James T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compensated potential device circuits. 2,600,204, June 10.

Carlfors Aktiebolag, assignee: *See*—
Winquist, Karl G.

Carlin, Arvid F., New Rochelle, N. Y. Paper holder, especially adapted for toilet papers. 2,583,411, Jan. 22.

Carlin, Deldon E., and C. K. Holt, Bakersfield, Calif. Supplemental equipment for pumping wells. 2,604,850, July 29.

Carlin, Herbert J., East Orange, N. J., assignor to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Power measuring bridge. 2,611,795, Sept. 23.

Carlini, Louis M., Rochelle Park, N. J. Wind instrument mute holder. 2,607,497, Aug. 19.

Carlisle, Charles H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for drilling under water. 2,614,804, Oct. 21.

Carlisle, Charles H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Seismic exploration method. 2,619,186, Nov. 25.

Carlisle, Luther O: *See*—
Sherman, Robert A., and Carlisle.

Carlisle, Samuel S.: *See*—
Watson, James D., and Carlisle.

Carlisle, Samuel S., and B. O. Smith, assignors to The British Iron and Steel Research Association, London, England. Sensitive manometer. 2,620,665, Dec. 9.

Carlisle, Tommy L., assignee: *See*—
Stewart, William L.

Carlisle, Willis C., and J. H. McCarvell, assignors to Macco Oil Tool Company, Houston, Tex. Resilient damping of pressure bellows. 2,610,644, Sept. 16.

Carls, William, assignee: *See*—
McLeod, Roy D.

Carlsen, Helmuth W., Limhamn, Sweden. Automatic weigher for cement. 2,607,556, Aug. 19.

Carlsen, Leonard O.: *See*—
Wildhaber, Ernest, and Carlsen.

Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Cutting gears, face clutches, and the like. 2,604,822, July 29.

Carlsen, Leonard O., Rochester, and N. W. Fowler, Brighton, assignors to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,589,475, Mar. 18.

Carlsen, Otto, Monrovia, Calif. Interlock for electrical connectors. 2,590,505, Mar. 25.

Carlson, Arthur E., Hingham, Mass. Reinforced paper article. 2,610,936, Sept. 16.

Carlson, August, Kansas City, Mo. Refrigerated bottle vending apparatus. 2,581,170, Jan. 1.

Carlson, Axel S., New York, N. Y. Ground vase. 2,610,443, Sept. 16.

Carlson, Axel S., New York, N. Y. Boundary marker. 2,610,502, Sept. 16.

Carlson, Bert G., Gates Mills, and J. Borcz, assignors to The Henkel-Clauss Company, Fremont, Ohio. Method of and apparatus for making pinking shears. 2,589,050, Mar. 11.

Carlson, Carl A., assignee: *See*—
Abramson, Paul T.

Carlson, Carl L., Moline, Ill. Article carrying case and washer. 2,622,607, Dec. 23.

Carlson, Carl S.: *See*—
Morrell, Charles E., Biribauer, and Carlson.
Morrell, Charles E., Carlson, and Robertson.
Morrell, Charles E., Carlson, and Smith.
Morrell, Charles E., Robertson, and Carlson.
Morrell, Charles E., Stewart, and Carlson.

Carlson, Carl S., Elizabeth, N. J., assignor to Standard Oil Development Company. Extractive distillation of close-boiling alcohols. 2,620,294, Dec. 2.

Carlson, Carl S., and W. E. Catterall, Roselle, and J. H. Staib, Scotch Plains, N. J., assignors to Standard Oil Development Company. Treatment of oxo alcohols by caustic and air. 2,595,763, May 6.

Carlson, Carl S., and R. S. Merrington, Elizabeth, and F. A. Biribauer, Cranford, N. J., assignors to Standard Oil Development Company. Polymerization of propylene with liquid catalyst complex. 2,588,358, Mar. 11.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohols with phenol solvent. 2,583,412, Jan. 22.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Separation of mixtures containing alcohols, aldehydes, and ketones. 2,614,072, Oct. 14.

Carlson, Carl T., Iron Mountain, Mich. Collapsible steel chair. 2,606,597, Aug. 12.

Carlson, Carl V., Wheaton, assignor, by mesne assignments, to Farmeti Equipment Company, Chicago, Ill. Tractor supported spraying rig. 2,618,509, Nov. 18.

Carlson, Charles, Vancouver, Wash. Router for removing defects from plywood. 2,616,460, Nov. 4.

Carlson, Chester F., Fairport, N. Y. Electrophotographic apparatus. 2,588,699, Mar. 11.

Carlson, Chester F., Woodside, N. Y. Electrophotographic recording. 2,583,546, Jan. 29.

Carlson, Chester F., Woodside, N. Y. Electrophotographic plate. 2,599,542, June 10.

Carlson, Clinton V., assignor to Cosom Industries, Inc., Minneapolis, Minn. Making hollow bodies from fusible plastic materials. 2,597,704, May 20.

Carlson, David J., Vienna, and H. T. Decot, Arlington, Va. Battery heating system. 2,615,933, Oct. 28.

Carlson, Donald L., Denver, Colo. Two-way plow. 2,582,478, Jan. 15.

Carlson, Earl J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of maleic anhydride with allyl esters of alkylidene-bis-aromatic carbonates. 2,587,442, Feb. 26.

Carlson, Emil, assignor to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich. Extensible antenna construction. 2,580,880, Jan. 1.

Carlson, Emil, assignor, by mesne assignments, to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich. Driving mechanism for extensible antennas and the like. 2,581,171, Jan. 1.

Carlson, Enoch W., Jamestown, N. Y. Checking mechanism for doors. 2,611,919, Sept. 30.

Carlson, Eric, assignor to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Internal-combustion engine driven compressor unit. 2,610,785, Sept. 16.

Carlson, Ernest J.: *See*—
Stearns, Benedict P., and Carlson.

Carlson, Floyd E., Rockford, Ill., assignor to Sundstrand Machine Tool Co. Pump. 2,621,606, Dec. 16.

Carlson, Frederick O., assignor to Carlson & Sullivan, Inc., Monrovia, Calif. Concavo-convex steel rule construction. 2,616,635, Nov. 4.

Carlson, George A., Portland, Oreg. Rotary pump. 2,606,502, Aug. 12.

Carlson, George C., assignee: *See*—
Lien, Harold G., and Bishman.

Carlson, Gustaf H., assignor to R. P. Scherer Corporation, Detroit, Mich. Hydrolyzing lactalbumin. 2,585,225, Feb. 12.

Carlson, Gustav R., assignor to The New Britain Machine Company, New Britain, Conn. Machine tool. 2,618,043, Nov. 18.

Carlson, Gustav W., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Multiple axle drive. 2,603,108, July 15.

Carlson, Harold Hartsdale, assignor to Times Facsimilie Corporation, New York, N. Y. Color picture transmission and reproduction. 2,598,504, May 27.

Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Bolt lock. 2,599,691, June 10.

Carlson, Harold A., University City, and D. E. Alford, assignors to Carter Carburetor Corporation, St. Louis, Mo. Choke control. 2,588,961, Mar. 11.

Carlson, Henry E., New Britain, Conn. Combined toothbrush and casing. 2,608,293, Aug. 26.

Carlson, Henry L., Kings Park, N. Y. Cement concrete portable tank structure. 2,595,923, May 6.

Carlson, Irving H.: *See*—
Hjulian, Julius A., and Carlson.

Carlson, Johan A., assignor to Ray Brothers Co., Ashland, Mass. Machine for severing tags. 2,587,030, Feb. 26.

Carlson, John I., Aurora, Ill., assignor, by mesne assignments, to Carlson Tool & Machine Company. Stock box for brushmaking machines. 2,621,079, Dec. 9.

Carlson, Leonard H., Braintree, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,591,404, Apr. 1.

Carlson, Loyd E.: *See*—
Havenhill, Robert S., and Carlson.

Carlson, Lyman O. T., Stockholm, Sweden. Apparatus for measuring the torsional shear strength of soil. 2,603,967, July 22.

Carlson, Martin, Brookfield, assignor to G. W. Houlsby, Jr., Chicago, Ill. Door check mechanism. 2,585,625, Feb. 12.

Carlson, Martin, Brookfield, assignor, by mesne assignments, to G. W. Houlsby, Jr., Chicago, Ill. Adjustable door support. 2,595,187, Apr. 29.

Carlson, Martin, Brookfield, assignor, by mesne assignments, to G. W. Houlsby, Jr., Chicago, Ill. Door check mechanism. 2,603,818, July 22.

Carlson, Ora E., assignee: *See*—
Kogl, Frank.

Carlson, Orlyn M., Chicago, Ill. Easel for photographic enlargers. 2,596,811, May 13.

Carlson, Orville E., St. Paul, Minn. Adjustable ladder step. 2,599,976, June 10.

Carlson, Oscar N., and H. A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Quaternary bismuth alloy. 2,595,924, May 6.

Carlson, Oscar N., and H. A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Quaternary bismuth alloy. 2,595,925, May 6.

Carlson, Raymond A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Combination spring-loaded and overcenter clutch. 2,613,777, Oct. 14.

Carlson, Raymond A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Multiple friction clutch. 2,613,778, Oct. 14.

Carlson, Reuben C., Chicago, Ill. Adjustable phonograph pickup arm. 2,588,616, Mar. 11.

Carlson, Rudolph V., Denham, Mass. Change purse. 2,616,472, Nov. 4.

Carlson, Russell M., Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn. Towed glider with automatic tow cable release. 2,612,327, Sept. 30.

Carlson & Sullivan, Inc., assignee: *See*—
Carlson, Frederick O.

Carlson Tool & Machine Company, assignee: *See*—
Carlson, John I.

Carlson, Trygve, Kodiak, Territory of Alaska. Flashlight and hearing aid battery. 2,588,962, Mar. 11.

Carlson, Vernon E., Camp Hill, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector having coaxial barrels of different diameters. 2,596,528, May 13.

Carlson, Vernon E., Camp Hill, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Connector forming tool with ratchet means for compelling precise operation. 2,618,993, Nov. 25.

Carlson, Walter A., Cicero, P. M. Martin, Chicago, and A. Sigel, Morton Grove, assignors to Northwestern Electric Company, Chicago, Ill. Control device for dynamo-electric machines. 2,602,830, July 8.

Carlson, Walter H., assignee: *See*—
Kogl, Frank.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,624,900, Dec. 30.

Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Stator and making same. 2,582,005, Jan. 8.

Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Dynamoelectric machine. 2,615,944, Oct. 28.

Carlson, William I., Detroit, Mich. Measuring tape reel device. 2,615,648, Oct. 28.

Carlsson, Fredrik, Stockholm, and E. A. Eklund, Appelviken near Stockholm, assignors to Ingeniorsbyran Fredea Aktiebolag, Stockholm, Sweden. Coal and the like. 2,621,151, Dec. 9.

Carlsson, Gustav R.: *See*—
Pick, Eric, and Carlsson.

Carlsson, Johan E., F. Landau and E. Törnros, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Leveling device for mine hoists and other elevators. 2,593,844, Apr. 22.

Carlsson, Oscar, Emmaboda, Sweden. Table having vertically adjustable top. 2,585,535, Feb. 12.

Carlstedt, Sven B. F., Stockholm, Sweden. Controlling drainage of liquid from washing machines. 2,604,106, July 22.

Carlston, Earl F., Arlington, Va., and L. R. Whiting, Woodbridge, N. J., assignors to the United States of America as represented by the Secretary of the Navy. Protective coating. 2,592,655, Apr. 15.

Carlston, Hamilton S., and H. E. Morrow, Fresno, Calif. Window and ventilator actuator and lock. 2,610,848, Sept. 16.

Carlstrom, Carl F.: *See*—
Toomey, John A., and Carlstrom.

Carlton, Frank, Los Angeles, and L. L. Snyder, Montebello, Calif. Vacuum breaker. 2,600,731, June 17.

Carlton, William C., Hornchurch, England. Device for protecting and preserving the tires of wheeled vehicles. 2,585,914, Feb. 19.

Carlton, William C., Hornchurch, England. Tire protecting device. 2,617,663, Nov. 11.

Carlton, William C., Hornchurch, England. Vehicle tire protecting device. 2,617,664, Nov. 11.

Carmean, Gladys M., Los Angeles, Calif. Sanitary belt. 2,596,127, May 13.

Carmichael, Hugh, Deep River, Ontario, Canada. Sealed insulator bushing. 2,617,850, Nov. 11.

Carmien, Joseph A.: *See*—
Jahn, Fred S., Carmien, and Mullings.
Jahn, Walter K., Carmien and Mullings.

Carmody, James C., Philadelphia, Pa. Wind vane. 2,598,505, May 27.

Carmona, Juan, Miami, Fla. Rotary windshield. 2,594,867, Apr. 29.

Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission and control mechanism therefor. 2,619,848, Dec. 2.

Carnahan, James E.: *See*—
Arnold, Herrick R., and Carnahan.

Carnahan, Orson A., Syracuse, N. Y. Backfire trap. 2,613,144, Oct. 7.

Carnegie, William L., assignor to General Motors Corporation, Detroit, Mich. Compound planetary gear train. 2,606,459, Aug. 12.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of alcohols. 2,583,413, Jan. 22.

Carnelli, Francis J., New York, N. Y. Self-adjusting wrench. 2,585,090, Feb. 12.

Carnelli, Francis J., New York, N. Y. Self-adjusting and manually adjustable wrench. 2,606,473, Aug. 12.

Carnes, Fred D., Fort Worth, Tex., assignor to Flexible Road Joint Machine Company, Warren, Ohio. Dowel bar installing device. 2,596,206, May 13.

Carnes, Samuel J., Camden, Ark. Casting mechanism. 2,584,550, Feb. 5.

Carney, Eleanor M., Riverside, Calif. Hair-waving device. 2,617,433, Nov. 11.

Carney, Fletcher B., Birmingham, Ala. Mounting for disk plows. 2,617,344, Nov. 11.

Carney, James J., deceased, Wethersfield, Conn., by The United Tool & Die Company, Elmwood, Conn., assignee. Pinking scissors. Re. 23,503, May 27.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Colloidal sulfur. 2,586,914, Feb. 26.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing finely divided sulfur. 2,608,471, Aug. 26.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for liquid-liquid contacting. 2,614,064, Oct. 14.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractional crystallization process and apparatus. 2,622,114, Dec. 16.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of eutectic-forming mixtures by crystallization methods. 2,622,115, Dec. 16.

Carniol, Bohdan, assignor of one-half to Tesla, National Corporation, Prague, Czechoslovakia. Method of and device for measuring and controlling the quality factor and damping factor of electric circuits and components thereof. 2,614,153, Oct. 14.

Carnoy Products Corporation, assignee: *See*—
Carter, Philip M.
Seaberg, Ernest E.

Caroland, Horace G., Hobart, Okla. Fishing rod. 2,610,427, Sept. 16.

Caron, Louis D., Jr., and W. J. Hoenecke, assignors to Terminal Packaging Company, Milwaukee, Wis. Weighing and packaging machine. 2,614,786, Oct. 21.

Carothers, Theodore E., Arcadia, assignor to Gladding, McBean & Co., Los Angeles, Calif. Making dinnerware and apparatus therefor. 2,597,448, May 20.

Carothers, William D., assignee: *See*—
Ofeldt, Frank W.

Carp, Arthur, Hillsdale, Mich. Can opener. 2,600,615, June 17.

Carpani, Joseph, Camden, N. J. Fire extinguisher for motor vehicles. 2,596,761, May 13.

Carpenter, Albert S., S. Coldfield, Birmingham, and E. R. Wallsgrove, Coventry, assignors to Courtaulds Limited, London, England. Polymeric compounds condensed from epichlorhydrin and a difunctional amino compound, and production. 2,599,974, June 10.

Carpenter, Albert S., Sutton Coldfield, Birmingham, England, F. Reeder, Kallay, Swansea, Wales, and E. R. Wallsgrove, Coventry, assignors to Courtaulds Limited, London, England. Production of thermoplastic resins and the production from such resins of threads, fibres, filaments, and the like. 2,602,075, July 1.

Carpenter, Arley D., Los Angeles, and C. A. Slater, Bellflower, assignors to The Norco Co., Los Angeles, Calif. Hanger. 2,586,001, Feb. 19.

Carpenter, Arthur H., Newman, and J. T. Calonico, Gustine, Calif.; and Calonico assignor to F. A. Patchett, Newman, Calif. Air cooler. 2,596,324, May 13.

Carpenter, Charles C., Grand Forks, N. Dak. Combination stretcher and cot. 2,601,365, June 24.

Carpenter, Charles R., Robbinsdale, Minn. Casting bobber. 2,593,728, Apr. 22.

Carpenter, Clifford L., Brooklyn, N. Y., assignor to Standard Oil Development Company. Catalytic reforming process. 2,585,737, Feb. 12.

Carpenter, Dorothy M., and W. L. Wells, Clayton, Mo.: said Wells assignor to said Carpenter. Awning. 2,604,158, July 22.

Carpenter, E. W., Manufacturing Company, assignee: *See*—
Leete, William T.

Carpenter, Ellsworth J.: *See*—
Hale, Douglas, and Carpenter.

Carpenter, Frank W., Minneapolis, Minn., assignor to General Mills, Inc. Flatiron and producing same. 2,605,378, July 29.

Carpenter, Jack K., administrator: *See*—
Champion, William R.

Carpenter Manufacturing Corporation, assignee: *See*—
Mellert, Allen J.

Carpenter, Oliver W., Lakewood, Colo. Drinking rim for beer cans. 2,614,406, Oct. 21.

Carpenter, Otis R.: *See*—
Harter, Isaac and I. Jr., and Carpenter.

Carpenter, Otis R., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Welded joint. 2,588,700, Mar. 11.

Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, and R. P. C. Rasmusen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Polyphase alternating current fusion welding with control of interphase voltage, and with combined alternating current and direct current welding potentials. 2,583,507, Jan. 22.

Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Automatic welding apparatus. 2,596,951, May 13.

Carpenter and Paterson Inc., assignee: *See*—
Turpin, Richard J.

Carpenter, Paul G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus and method for measuring the velocity of fluids. 2,599,975, June 10.

Carpenter, Paul G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Computer component. 2,617,587, Nov. 11.

Carpenter, Paul G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Gas pressure operated oil well pump. 2,622,535, Dec. 23.

Carpenter, Paul W., Fort Worth, Tex. Closure and fastener for threaded containers. 2,610,762, Sept. 16.

Carpenter, Robert J., West Enterprise, Miss. Angularly adjustable feed rolls for log peeling or rossing machines. 2,601,261, June 24.

Carpenter, Rupert E. H., South Croydon, England. Electromagnetic relay. 2,611,063, Sept. 16.

Carpenter, Victor W.: *See*—
Jackson, John M., and Carpenter.

Carpenter, Warren W.: *See*—
Brooks, Chester E., and Carpenter.
Cahill, Harold D., Carpenter, and Dimond.

Carpenter, Warren W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape perforating machine. 2,583,086, Jan. 22.

Carpentier, Léoni, Rosemont, Montreal, Quebec, Canada. Buck saw. 2,602,478, July 8.

Carpentier, Pascal J., Paris, France. Generating gases within plastic materials. 2,589,537, Mar. 18.

Carpentier, Pascal J., Paris, France. Making cellular thermoplastic materials. 2,590,156, Mar. 25.

Carr, Byrle H.: *See*—
Dunn, William G., and Carr.

Carr, Charles J., Long Beach, Calif. Plug handling head for well casings. 2,615,519, Oct. 28.

Carr, Charles W.: *See*—
Kolthoff, Izaak M., and Carr.

Carr, Dodd S.: *See*—
Knapp, Burton B., and Carr.

Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reaction of substituted sulfenamides with ketones and use of reaction product in rubber vulcanization. 2,581,936, Jan. 8.

Carr, Edward L., Akron, Ohio, and J. R. Rafter, Bristol Ferry, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Bivalent metal halide addition compounds of substituted sulfenamides. 2,581,905, Jan. 8.

Carr, George, U. S. Navy. Hydraulic control valve. 2,586,785, Feb. 26.

Carr, James P., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Apparatus for balancing wheels. 2,622,436, Dec. 23.

Carr, Lillian E., Washington, D. C. Tress blocker. 2,581,513, Jan. 8.

Carr, Richard H., Chicago, and K. A. Covell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Apparatus for injecting fluids into well bores. 2,611,436, Sept. 23.

Carr, William H., Jr., Kansas City, Mo. Dispenser. 2,613,879, Oct. 14.

Carraway, Thomas W., Dallas, Tex. Air or gas cleaning apparatus. 2,583,252, Jan. 22.

Carreau, Gerald, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Phonograph. 2,621,047, Dec. 9.

Carrey, John S., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,619,333, Nov. 25.

Carrico, Esther D.: *See*—
Isaacson, Irene I., and Carrico.

Carrie, William D.: *See*—
Stavoe, Arthur M., and Carrie.

Carrier Conveyor Corporation, assignee: *See*—
Carrier, Robert M., Jr., and Whitley.

Carrier Corporation, assignee: *See*—
Ashley, Carlyle M.
Ashley, Carlyle M., and McGrath.
Berestneff, Alexis A.
Christensen, Sabinus H.
Hanson, Lars.
Jones, Walter F.
Leonard, Louis H., Jr.
Macrow, Lawrence.
McGrath, William L.
Schulz, Edward L., and Bailey.
Shawhan, Sam F.
Swart, Richard H.

Carrier Engineering Company, Limited, assignee: *See*—
Fowler, Alexander P.
Halls, James H. C.
Whitworth, Stanely J. L., and Brown.

Carrier, Hiram W., Meadville, Pa. Drain trap. 2,603,304, July 15.

Carrier, Robert M., Jr., Aurora, Ill., and M. G. Whitley, assignors to Carrier Conveyor Corporation, Louisville, Ky. Method of and apparatus for continuously weighing aggregate. 2,600,966, June 17.

Carrigan, Robert E., Saylesville, R. I., assignor to Union Wadding Company. Liquid filter. 2,600,845, June 17.

Carrigan, Tracy, Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Wheel gauging apparatus. 2,581,630, Jan. 8.

Carrigan, Tracy, Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Method of and apparatus for measuring alignment characteristics of front and rear wheels. 2,601,262, June 24.

Carriker, Arthur V., Independence, Mo. Cooking utensil. 2,604,227, July 22.

Carrington, Roy R., Fulton, Mo. Toy helicopter. 2,598,349, May 27.

Carrino, Pasquale. Passaic, N. J. Packaging machine, particularly the blocks therefor. 2,599,369, June 3.

Carrol, Clayton C., Madison, N. J., assignor to United States Radium Corporation, New York, N. Y. Neutron source. 2,592,115, Apr. 8.

Carroll, Burt H., and W. T. Hanson, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Selectively exposing the grains of a mixed grain photographic emulsion. 2,592,243, Apr. 8.

Carroll, Burt H., and F. A. Richey, assignors to Eastman Kodak Company, Rochester, N. Y. Mercapto azoles in developer for mixed grain photographic process. 2,614,925, Oct. 21.

Carroll, Daniel J., Saskatoon, Saskatchewan, Canada. Auger type trenching machine. 2,598,350, May 27.

Carroll, Fred M., Binghamton, and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Alphabet, digit, and address printing device. 2,580,729, Jan. 1.

Carroll, Fred M., Binghamton, and G. M. Gurley, Endwell, assignors to International Business Machines Corporation, New York, N. Y. Sensing mechanism. 2,620,978, Dec. 9.

Carroll, George F., Chicago, Ill. Pavement marker. 2,599,230, June 3.

Carroll, James M.: *See*—
Murphy, Thomas W., and Carroll.

Carroll, James W., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Picking bath foaming agent. 2,614,081, Oct. 14.

Carroll, Joseph P., and G. H. Martin, Lakin, Kans. Conveyor with adjustable hopper. 2,619,219, Nov. 25.

Carroll, Phil, Jr., Maplewood, N. J. Time study training apparatus. 2,603,887, July 22.

Carroll, Richard T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Organo-tin compounds and composition including same and making same. 2,597,920, May 27.

Carroll, Thomas E., New York, N. Y. Electrical adapter unit. 2,580,515, Jan. 1.

Carroll, Wallace E., Chicago, Ill. Gauge holder. 2,582,679, Jan. 15.

Carroll, Wallace E., Chicago, Ill. Dial indicator. 2,585,368, Feb. 12.

Carroll, William H., Brooklyn, N. Y. Handbag. 2,603,266, July 15.

Carroll, William J., Los Angeles, Calif. Film holder. 2,587,109, Feb. 26.

Carron, Leon A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping weft detector for looms. 2,589,990, Mar. 18.

Carron, Morris: *See*—
Juda, Walter, and Carron.

Carruthers, Eben H., Warrenton, Oreg. Method and apparatus for packaging a predetermined weight of food material. 2,601,093, June 17.

Carruthers, Eben H., Warrenton, Oreg. Apparatus for packing materials. 2,602,578, July 8.

Carruthers, Eben H., Warrenton, Oreg. Hopper construction and means for accurately filling measuring chambers of food packing machines. 2,602,579, July 8.

Carruthers, Joseph S.: *See*—
Rosch, William A., and Carruthers.

Carry Cool Container Corporation, assignee: *See*—
Cohen, Arnold D.

Carson, Benjamin R., Haddonfield, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph. 2,595,125, Apr. 29.

Carson, Benjamin R., Haddonfield, N. J., assignor to Radio Corporation of America. Phonograph. 2,622,884, Dec. 23.

Carson, Frank L., Hollywood, Calif. Rotary pump. 2,616,374, Nov. 4.

Carson, Howard: *See*—
Geyer, Howard M., and Carson.
Muzzey, Clifford L., and Carson.

Carson, Howard, and C. L. Muzzey, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Speed control governing apparatus. 2,613,072, Oct. 7.

Carson, John F., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Acylation of polysaccharides in formamide. 2,589,226, Mar. 18.

Carson, Richard M., and R. R. Sacks, Dayton, Ohio. Composition and method for testing biological fluids. 2,608,533, Aug. 26.

Carson, Robert H., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Vane type hydraulic transmission. 2,581,172, Jan. 1.

Carson, Samuel R., Columbus, Ohio. Folding tricycle. 2,619,364, Nov. 25.

Carson, Stanley R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper blade. 2,589,339, Mar. 18.

Carson, William T., Jr., Lynwood, and L. A. Williamson, Jr., Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Air cycle cooling system. 2,586,002, Feb. 19.

Carson, William W., Jr., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Water heater control. 2,596,812, May 13.

Carta, Daniel L., Kansas City, Mo. Garment hanger. 2,581,631, Jan. 8.

Carter, Arthur, Halesowen, near Birmingham, England. Pressure controlling appliance. 2,603,477, July 15.

Carter, Arthur, Halesowen, near Birmingham, and G. Slade, Oldbury, England; said Slade assignor to said Carter. Pressure controlling appliance. 2,617,645, Nov. 11.

Carter, Ben, Keyesport, assignor of one-half to E. Courtwright, Granite City, Ill. Barrel truck. 2,582,102, Jan. 8.

Carter Carburetor Corporation, assignee: *See*—
Armstrong, James F., and Kommer.
Baisch, John C.
Boller, Henry A.
Boyce, Leonard D.
Carlson, Harold A.
Carlson, Harold A., and Alford.
Carrey, John S.
Cloedy, Frederick W., and Holt.
Coffey, Irven E.
Edelen, James L.
Ericson, George R.
Henning, Otto.
Hollembeak, Ruluff A., Higsley, and Smith.
Korte, Alfred C.
Moseley, James T. W.
Newman, Odus O.
Snyder, Carl J., and Ericson.

Carter, Charles E.: *See*—
Cornell, Paul W., and Carter.

Carter, Clarence F., Danville, Ill. Vacuum head for filling containers with powders. Re. 23,504, May 27.

Carter, Clarence F., Danville, Ill. Apparatus for filling containers. 2,613,864, Oct. 14.

Carter, Crawford F.: *See*—
Dreher, John L., and Carter.

Carter, Dick: *See*—
Earland, Christopher, Bailey, and Carter.

Carter, Edwin W., San Leandro, Calif. Bottom tap ladle mechanism. 2,587,110, Feb. 26.

Carter, Elbert P., Wayland, and C. M. Hammel, Winchester, assignor to Transducer Corporation, Boston, Mass. Pulse generating circuits. 2,591,406, Apr. 1.

Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Pressure limiting means for liquid charged refrigeration expansion valves. 2,594,393, Apr. 29.

Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic valve. 2,598,351, May 27.

Carter, George E., Chase City, Va. Liquid control device. 2,601,834, July 1.

Carter, Gerald M., Ocala, Fla. Portable traffic sign. 2,590,506, Mar. 25.

Carter, Harry A.: *See*—
Carter, Russell E. and H. A.

Carter, Haskell C., Portland, Oreg. Device for locating multiple bores for gang drilling. 2,619,730, Dec. 2.

Carter, James S. F.: *See*—
Colbeth, Ivor M., and Carter.

Carter, James S. F., Rockville Centre, N. Y., assignor to The Baker Castor Oil Company, Jersey City, N. J. Continuous filtration process for solvent extraction of castor oil from castor seeds. 2,616,909, Nov. 4.

Carter, John E., Columbus, Ohio. Dowel bar and joint sealing strip construction. 2,590,933, Apr. 1.

Carter, John F., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubrication cabinet. 2,589,538, Mar. 18.

Carter, John M., and J. R. Boykin, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency modulator. 2,583,138, Jan. 22.

Carter, Joseph H., Jr.: *See*—
Sartoretto, Paul A., and Carter.

Carter, Joseph S., assignor of one-third to S. J., and one-third to L. D. Rosenstein, Hartford, Conn. Stop motion device for knitting machines. 2,591,405, Apr. 1.

Carter, Latt J., Kannapolis, N. C. Shuttle box for looms. 2,596,651, May 13

Carter, Leslie F., Leonia, N. J., assignor to The Sperry Corporation. Gyrocompass. 2,611,973, Sept. 30.

Carter, Leslie F., Leonia, N. J., assignor to The Sperry Corporation. Speed correction gear for gyro compasses. 2,615,258, Oct. 28.

Carter, Lynn B., Grand Forks, N. Dak. Device for attaching auxiliary wheels to tractors. 2,609,247, Sept. 2.

Carter, Mary H., executrix: *See*—
Carter, Raymond S., and Dorf.

Carter, Melvin A., Brooklyn, N. Y. Electronically operated advertising and sound reproducing apparatus. 2,615,993, Oct. 28.

Carter Parts Company, assignee: *See*—
Ellithorpe, Gilbert S.

Carter, Philip M., Yonkers, assignor to Carnoy Products Corporation, Elmsford, N. Y. Dry chemical fire extinguisher. 2,605,848, Aug. 5.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,615,134, Oct. 21.

Carter Products, Inc., assignee: *See*—
Reich, Irving.

Carter, Ralph B., Jr., Maywood, assignor to Ralph B. Carter Company, Hackensack, N. J. Distributor of the rotary type. 2,601,430, June 24.

Carter, Ralph B., Jr., Maywood, assignor to Ralph B. Carter Company, Hackensack, N. J. Supernatant liquor strainers for sludge digestion tanks. 2,616,846, Nov. 4.

Carter, Ralph B., Company, assignee: *See*—
Carter, Ralph B., Jr.

Carter, Ralph H., Johnson City, and C. B. Kingsbury, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Traverse guide. 2,620,999, Dec. 9.

Carter, Ray E.: *See*—
Guier, William, and Carter.

Carter, Raymond S., deceased; by M. H. Carter, executrix, Cuyahoga Falls, Ohio, and M. L. Dorf, Lincoln, Nebr., assignors to Wingfoot Corporation, Akron, Ohio. Apparatus for making transmission belts. 2,611,151, Sept. 23.

Carter, Ronald J., and M. Bristow, Slough, England, assignors to Imperial Chemical Industries Limited. Dehydration of castor oil. 2,598,108, May 27.

Carter, Russell E. and H. A., Portland, Oreg. Carrier for use on top of automobiles. 2,589,772, Mar. 18.

Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to G. J. Meyer Manufacturing Co., Cudahy, Wis. Semiautomatic label-applying machine. 2,600,205, June 10.

Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Apparatus for registering an article with a label applying element. 2,602,561, July 8.

Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Conveyer mechanism. 2,612,254, Sept. 30.

Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Article distributor for conveyers. 2,615,555, Oct. 28.

Carter, Thomas N., Bayside, assignor to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 2,596,208, May 13.

Carter, Thomas N., Bayside, assignor to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 2,617,608, Nov. 11.

Carter, Thomas N., Bayside, and A. D. Frascella, assignors to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 2,617,607, Nov. 11.

Carter, William A., Altadena, Calif. Crown cap lifter with reciprocating elements. 2,589,051, Mar. 11.

Carter, William H., Portland, Maine. Vessel raising apparatus. 2,614,518, Oct. 21.

Carter, William L., Tulsa, Okla. Drapery control unit. 2,593,263, Apr. 15.

Cartheuser, William H., Sherman Oaks, Calif. Comb. 2,596,207, May 13.

Cartier, Effie M., executrix: *See*—
Cartier, Lionel R.

Cartier, Lionel R., deceased; E. M. Cartier and N. J. Gundlach, executors, assignors to Independent Engineering Company, Inc., O'Fallon, Ill. Vapor oxygen recondenser. 2,587,820, Mar. 4.

Cartier, Sarah L., assignee: *See*—
Perri, Frank B.

Cartier, William O., G. H. McLaughlin, and W. A. Robinson, Toronto, Ontario, Canada, and E. M. Wise, Westfield, N. J., assignors to The International Nickel Company of Canada, Limited, Copper Cliff, Ontario, Canada. System of airborne conductor measurements. 2,623,924, Dec. 30.

Cartinhour, John W., Baldwin, assignor to Foster Wheeler Corporation, New York, N. Y. Electric air heater. 2,619,579, Nov. 25.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,619,339, Nov. 25.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mining machine. 2,619,340, Nov. 25.

Cartter, William G., Monrovia, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Individual vertical-type fuel-burning heater. 2,591,235, Apr. 1.

Cartter, William G., Monrovia, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Fuel-burning panel heater. 2,594,608, Apr. 29.

Cartter, William G., Monrovia, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Heater and thermostat selector shield therefor. 2,600,616, June 17.

Cartter, William G., Monrovia, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Flat tank water heater. 2,619,955, Dec. 2.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp. 2,605,446, July 29.

Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Combination article display device and price indicator unit. 2,581,468, Jan. 8.

Caruso, Mario, Maplewood, assignor to C-8 Laboratories, Newark, N. J. Vending machine. 2,593,102, Apr. 15.

Caruso, Philip A., San Carlos, assignor of one-half to D. Snow, South San Francisco, Calif. Retainer for vegetables and like products while cooking the same. 2,614,484, Oct. 21.

Caruthers, Carlton B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Side-wall sampler. 2,585,369, Feb. 12.

Carvalho, Leslie R. N., Little Rock, Ark. Cleaning fluid container and applicator. 2,594,729, Apr. 29.

Carver, Andrew J., Walters, Okla. Fluid propelled pipe scraper. 2,609,556, Sept. 9.

Carver, George P. *See*—
Moore, Walter L., and Carver.

Carver, George P., Northridge, and P. L. Pike, Van Nuys, Calif. Bulk delivery system for drop delivery bins. 2,596,838, May 13.

Carver, James L., Birmingham, Ala. Inking roll and ink feed mechanism therefor. 2,590,507, Mar. 25.

Carver, Lawrence M., assignor to C.G.S. Laboratories, Inc., Stamford, Conn. Teletype measuring system. 2,619,542, Nov. 25.

Carver, Richard N., and R. J. Lohr, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Toy with automatic door. 2,590,508, Mar. 25.

Carver, Samuel E.: *See*—
Palmer, George, and Carver.

Carvo, Charles, deceased, Rochester, Mich.; V. V. Carvo, administratrix, assignor to herself. Simplified shoulder and sleeve construction for garments. 2,586,515, Feb. 19.

Carvo, Violet V., administratrix, assignee: *See*—
Carvo, Charles.

Cary, Henry H., Alhambra, R. C. Hawes, Los Angeles, and K. P. George, South Pasadena, Calif., assignors to Beckman Instruments, Inc. Infrared spectrophotometer. 2,607,899, Aug. 19.

Cary, Henry H., Alhambra, R. C. Hawes, and M. E. Stickney, Los Angeles, and K. P. George, South Pasadena, Calif., assignors to Beckman Instruments, Inc. Method and apparatus for winding resistance elements. 2,620,990, Dec. 9.

Cary, Rex H. J., Great Malvern, England, assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Aerial system. 2,614,219, Oct. 14.

Casabona, Anthony, Hawthorne, and G. Stavis, Ossining, assignors to International Standard Electric Corporation, New York, N. Y. Landing information receiving system. 2,611,892, Sept. 23.

Casaccia, Ugo: *See*—
Lisi, Cosimo, and Casaccia.

Casalbore, Charles: *See*—
Grier, Nathaniel, and Casalbore.

Casanova, Louis A.: *See*—
Hibbard, Lloyd J., Casanova, and Buchanan.

Casaroll, Ernest J., Detroit, Mich. Adjustable shaft connector. 2,596,007, May 6.

Casaroll, Eugene A., trustee, assignee: *See*—
Crane, Nell.

Casas-Robert, Ramon, Geneva, assignor to Mefina S. A., Binningen, Switzerland. Sewing machine. 2,609,772, Sept. 9.

Cascade Pump Company, assignee: *See*—
Arnold, Albert W.

Cascades Plywood Corporation, assignee: *See*—
Uschmann, Curt.

Cascelloid Limited, assignee: *See*—
Senior, Henry, and Tomlinson.

Cascianl, Ferri: *See*—
Lawlor, Francis E., and Cascianl.

Casciano, Frederick R., Linden, N. J. Fishhook and leader holder, including slidable anchor member. 2,604,721, July 29.

Casco Products Corporation, assignee: *See*—
Noel, Philip X.
Saumels, Abe O.
Wulschpard, Lucien C.
Youhouse, Joseph.

Case, J. I., Company, assignee: *See*—
Beck, Henry E., Jozwik, and Innes.
Clausen, Leon R.
Downey, Wayne A.
Hansen, Charles W.
Hedquist, Milton T., Mayhew, Van De Sampel, and Whalen.
Heth, Sherman C.
Iverson, George W.
Jozwik, John C.
Krause, Norman R.
Markel, John M.
Morrissey, Patrick W.
Raught, Arthur V.
Richardson, Martin A.
Russell, Stanley D.
Rutter, Alvah E.
Schoenrock, Otto R.
Schroeppel, Paul R.
Shouler, John E., and Markel.
Wiltsey, Howard E.

Case, James W., Fairfax, Va. Dehumidifier. 2,596,979, May 20.

Case, Leslie C., Tulsa, Okla., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Chemical treatment of wells for the prevention of corrosion. 2,605,223, July 29.

Case Vent Inc., assignee: *See*—
Rasmus, Julius, and E.

Casebolt, George S., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Adhesive composition and preparing the same. 2,592,510, Apr. 8.

Casellini, Ezio T., assignor to Sylvania Electric Products Inc., Salem, Mass. Crystal amplifier. 2,595,052, Apr. 29.

Casellini, Ezio T., assignor to Sylvania Electric Products Inc., Salem, Mass. Electric discharge tube. 2,611,109, Sept. 16.

Caserta, Michele, Lake Orion, Mich. Reaction type valve. 2,586,147, Feb. 19.

Caserta, Nicolás J., Buenos Aires, Argentina. Milk boiler with safety lid. 2,594,868, Apr. 29.

Casey, Aubrey V., assignee: *See*—
Kempf, Dean R.

Casey, Charles L., Riverside, Ill. Bedclothes holder. 2,589,476, Mar. 18.

Casey, Edward J., Union, N. J. Forming and cutting tool for floriculture, horticulture, and turf culture. 2,612,725, Oct. 7.

Casey, Harry J., assignee: *See*—
Stokes, William B.

Casey, James D., North Andover, assignor to The Bolta Company, Lawrence, Mass. Container with a hinged cover. 2,605,926, Aug. 5.

Casey, James P., L. O. Gill, and R. A. Sherman, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Manufacture of corrugated paperboard. 2,610,136, Sept. 9.

Casey, Stephen M., Oakland, Calif. Window construction. 2,612,660, Oct. 7.

Casey, Walter L., Jr., Bonners Ferry, Idaho. Article grasping and handling device. 2,613,100, Oct. 7.

Casey, William, assignor to Canadian Locomotive Company Limited, Kingston, Ontario, Canada. Mud separator for steam generating units. 2,583,166, Jan. 22.

Cash, A. W., Company, assignee: *See*—
Temple, Paul C.

Cash, Claude D., Chicago, Ill. Rolling massager for increasing blood circulation. 2,593,982, Apr. 22.

Cash, James A., Louisville, and J. A. Cash, Jr., Jefferson County, assignors to James Cash Machine Co., Louisville, Ky. Edge roll forming and sewing machine. 2,609,768, Sept. 9.

Cash, James A., Jr.: *See*—
Cash, James A., and J. A. Cash, Jr.

Cash, James, Machine Co., assignee: *See*—
Cash, James A., and J. A. Cash, Jr.

Cashen, Ralph W., Jr., East Harwich, Mass. Telescopic hanger. 2,587,111, Feb. 26.

Cashman, Edward P.: *See*—
Lieber, Eugene, and Cashman.

Cashman, Joseph: *See*—
Burleigh, Joseph, and Cashman.

Cashman, Robert J., Glenview, Ill., assignor to Research Corporation, New York, N. Y. Photocell-filter combination. 2,594,122, Apr. 22.

Casimir, Hendrik B. G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for the acceleration of electrons. 2,593,845, Apr. 22.

Caskey, Cecil, Mingo Junction, Ohio. Paper box. 2,597,289, May 20.

Casler, Adrien F.: *See*—
Gosnell, Robert E., and Casler.

Casler, Adrien F., East Cleveland, Ohio, assignor to General Electric Company. Machine for removing portions of the coating from coated glass articles. 2,600,846, June 17.

Casler, Adrien F., East Cleveland, Ohio, assignor to General Electric Company. Apparatus for drawing vitreous tubes and rods. 2,604,733, July 29.

Casler, John R., Elizabeth, and C. C. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Liquid-liquid extraction process and tower. 2,609,276, Sept. 2.

Casler, Roger H., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., and one-half to a group comprising Ace C. Fessender and Ace Carton Corporation, Chicago, Ill. Dispensing container. 2,581,237, Jan. 1.

Casler, Roger H., Washington, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,593,103, Apr. 15.

Caslor, John D., St. Vital, Manitoba, Canada. Duck hunter's drag. 2,586,003, Feb. 19.

Casper, Delbert C.: *See*—
Lipe, Roy J., and Casper.

Cass, N. D. Co., assignee: *See*—
Haselton, Kenneth E.

Cass, William E., Schenectady, N. Y., assignor to General Electric Company. Resinous compositions of styrene, castor oil, and a diisocyanate. 2,609,349, Sept. 2.

Cass, William E., Schenectady, N. Y., assignor to General Electric Company. Organo-phosphorus resinous compositions. 2,616,873, Nov. 4.

Cassa, José, Buenos Aires, Argentina. Vertically positioned cooling water pump for internal-combustion engines. 2,619,909, Dec. 2.

Cassé, Marcel, Essonnes, France. Automatic forming machine for the manufacture of felt hats, muffs, and like felt articles. 2,615,208, Oct. 28.

Cassell, John R., New York, N. Y. Apparatus for destroying ground moles. 2,598,352, May 27.

Cassell, John R., Co., Incorporated, assignee: *See*—
Boehm, Paul F.

Cassella Farbwerke Mainkur, assignee: *See*—
Keller, Karl, and Hansen.
Persch, Walther, and Schmidt.
Zerweck, Werner, and Heinrich.

Casselman, Robert C., Auburndale, and D. R. Dominie, Lynn, assignors to Polaroid Corporation, Cambridge, Mass. Carton. 2,594,394, Apr. 29.

Cassels, Charlie W., assignee: *See*—
Ridgers, Frederick G., and Cassels.
Cassidy, John D., Riverside, Conn., and J. D. Marks, West Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Slide projector with rotatable slide mount. 2,597,449, May 20.
Cassidy, Millard M., Pasadena, and H. L. B. Nawry, Houston, Tex., assignors to American Rice Growers Cooperative Association, Lake Charles, La. Treating rice bran and rice polish. 2,610,914, Sept. 16.
Cassidy, Robert J., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Generator regulator. 2,594,730, Apr. 29.
Cassil, Carroll C., and J. Yaffe, Berkeley, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Stabilized tetraethylpyrophosphate insecticidal dust. 2,592,540, Apr. 15.
Cassman, Harry: *See*—
Lubsznyski, Hans G., McGee, Turk and Cassman.
Casson, Ernest H.: *See*—
Katz, Ernest.
Casson, Kenneth H., Winnebago, and W. G. Tyson, assignors to Barnes Drill Co., Rockford, Ill. Variable-speed friction drive. 2,617,309, Nov. 11.
Castagna, Mary P.: *See*—
Kennedy, Margaret H., and Castagna.
Castedello, William: *See*—
Schwartz, Morris, and Castedello.
Castel, Jacques H., assignor to Perforating Guns Atlas Corporation, Houston, Tex. Gun perforator. 2,607,417, Aug. 19.
Castellan, Carl A., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,599,692, June 10.
Castellano, James, New York, N. Y. Valve control means for flush tanks for toilets. 2,583,468, Jan. 22.
Castellano, William, San Lorenzo, assignor to Union Oil Company of California, Los Angeles, Calif. Mastic floor covering and making it. 2,603,571, July 15.
Castelli, Charles, Union City, assignor, by mesne assignments, to Columbia Protektosite Co. Inc., Carlstadt, N. J. Two-piece eyeglass frame construction. 2,594,395, Apr. 29.
Castelli, Charles, Union City, assignor, by mesne assignments, to Columbia Protektosite Company, Inc., Carlstadt, N. J. Receptacle back comb construction. 2,619,973, Dec. 2.
Castelli, Xavier F., assignor to Society called Societe Cridan, Paris, France. Control mechanism for screw machines. 2,588,205, Mar. 4.
Castelow, Alfred H., Hurstville, near Sydney, New South Wales, Australia. Machine for separating membranes of animal intestines. 2,595,638, May 6.
Castendyck, Jesse R., Downey, Calif. Transit concrete mixer. 2,618,472, Nov. 18.
Caster, William F., West St. Paul, Minn., assignor to B. E. Siegel. Mattress handle. 2,584,842, Feb. 5.
Caster, William F., West St. Paul, Minn. Box spring handle. 2,587,112, Feb. 26.
Castiglia, Biagis, assignor to Wheel Aligning Necessities, Inc., New York, N. Y. Wheel gauge. 2,608,000, Aug. 26.
Castiglia, Biagis, assignor to Wheel Aligning Necessities, Inc., New York, N. Y. Turn gauge. 2,612,703, Oct. 7.
Castillon, Leah E.: *See*—
Altschul, Aaron M., and Castillon.
Castle, Alfred B., Brookmont, Md. Locking device. 2,608,085, Aug. 26.
Castle & Cooke, Limited, assignee: *See*—
Hoyt, Simes T.
Castle, Donald H., New Canaan, Conn., assignor to Radio Corporation of America. Cathode-ray tube amplitude indicating apparatus. 2,590,230, Mar. 25.
Castle, Eli N., South Orange, N. J. Collapsible sheet metal bottle carrier. 2,584,787, Feb. 5.
Castle, Eli N., South Orange, N. J. Foldable cardboard bottle carrier. 2,586,301, Feb. 19.
Castle, John E., New Castle, and B. W. Howk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenolysis of cycloaliphatic alcohols, ketones, and aldehydes. 2,599,089, June 3.
Castlen, Robert C., West Palm Beach, Fla. Indicator-type adapter for battery cell caps. 2,600,732, June 17.
Castner, George P., Webster City, Iowa, and A. D. Lund, Minneapolis, Minn., assignors to Solar Corporation, Milwaukee, Wis. Washing machine with centrifugal extractor and stabilizer therefor. Re. 23,481, Apr. 29.
Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washer with scum accumulator. 2,595,053, Apr. 29.
Castner, George P., Webster City, Iowa. Clothes-washing machine. 2,596,980, May 20.
Castner, George P., Webster City, Iowa. Clothes-washing machine. 2,612,767, Oct. 7.
Castner, George P., Webster City, Iowa. Clothes-washing machine with diaphragm squeezer extractor. 2,612,768, Oct. 7.
Castner, George P., Webster City, Iowa. Clothes-washing machine. 2,612,769, Oct. 7.
Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. End play take-up for rotary fluid coupling. 2,623,359, Dec. 30.
Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Washing machine provided with resilient agitator. 2,619,827, Dec. 2.
Caswell, Arthur S.: *See*—
Wood, Joseph D., Caswell, and Goessel.
Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Double-throw clamp tight switch. 2,582,745, Jan. 15.
Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Sliding bolt rack mechanism. 2,615,101, Oct. 21.
Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Grounding device. 2,617,862, Nov. 11.
Caswell, James M., Atlanta, Ga. Display and dispensing device. 2,606,665, Aug. 12.
Catalano, Victor J., Upper Darby, Pa., assignor to General Electric Company. Insertable hinge mounting structure. 2,599,231, June 3.
Cataldo, Charles V., Atlanta, Ga. Pea sheller. 2,616,434, Nov. 4.
Cataldo, John B.: *See*—
O'Brien, Joseph F., and Cataldo.
Cataldo, John B., Bernardsville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Snap switch. 2,618,715, Nov. 18.
Cataldo, John B., Bernardsville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Sequence relay. 2,622,164, Dec. 16.
Cataldo, John B., Bernardsville, and E. D. F. Tidd, Clinton, N. J., assignors to J. B. Pierce Foundation, New York, N. Y. Sequence relay. 2,600,155, June 10.
Cataldo, John B., Bernardsville, and E. De F. Tidd, Clinton, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Circuit breaker assembly. 2,617,909, Nov. 11.
Cataldo, John B., Bernardsville, E. De F. Tidd, Clinton, and A. N. Cook, Millington, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Circuit breaker. 2,622,169, Dec. 16.
Catalina, Inc., assignee: *See*—
Nogler, Raymond S., and Menzies.
Catallo, Leo, assignor to Wheel Trueing Tool Company, Detroit, Mich. Abrasive tool and making same. 2,582,231, Jan. 15.
Catallo, Leo, assignor to Wheel Trueing Tool Company, Detroit, Mich. Diamond set core bit. 2,612,348, Sept. 30.
Catalytic Chemicals Division of E. F. Drew Co., Inc., assignee: *See*—
Faulkner, Seymour.
Catanzano, George A., Arlington, Mass. Coin-controlled beverage dispensing machine. 2,597,063, May 20.
Cate, Karl S., assignee: *See*—
Robatel, Henry G.
Cate, Paul E.: *See*—
Giesler, Jean V., and Cate.
Cate, Paul E., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mechanism for operating a sealing collet. 2,586,915, Feb. 26.
Catell, Charles V., Bangor, Maine. Automatic convertible steel top. 2,623,779, Dec. 30.
Cater, Joseph H., Los Angeles, Calif. Carburetor. 2,590,377, Mar. 25.
Cater, Roy M., assignor to E. L. Hightower, Washington, D. C. Foldable ironing board. 2,594,123, Apr. 22.
Caterpillar Tractor Co., assignee: *See*—
Benner, Paul B.
Bridwell, John W.
Bridwell, John W., and Coker.
Burks, George E., and Robinson.
Deffenbaugh, John L.
Gustafson, Carl A.
Johnson, Lloyd E.
Kamp, Carl O.
Paul, Carl H., and Vogelaar.
Richardson, Dale L.
Riegel, Glen C.
Risk, Norman E., Ramsel, and Williams.
Robinson, Ronald R., and Laux.
Willie, Carl H., and Snowden.
Cates, Edith M.: *See*—
Phillips, Richard F., and Cates.
Cates, Lillian D., Los Angeles, Calif. Cord support for hearing aids. 2,611,831, Sept. 23.
Catheron, Allan R., assignor to The Foxboro Company, Foxboro, Mass. Pneumatic instrument. 2,618,288, Nov. 18.
Cathodeon Limited, assignee: *See*—
Thelle, Richard.
Townsend, Frederick H.
Cathodeon Limited, Engineers, assignee: *See*—
Corfield, Albert H., and Chapman.
Catlett, William G., Kansas City, Kans. Portable Ferris wheel. 2,590,934, Apr. 1.
Catley, Douglas, Northland, Wellington, assignor to Catley Resilient Wheel (Overseas) Limited, Auckland, New Zealand. Resilient wheel. 2,622,650, Dec. 23.
Catley Resilient Wheel (Overseas) Limited, assignee: *See*—
Catley, Douglas.
Catlin, Robert T., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Cartridge and manufacturing same. 2,616,371, Nov. 4.
Catlin, Willard E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copolymers of methacrylanilide with higher alkyl acrylic esters. 2,584,968, Feb. 12.

Catlin, Willard E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Lubricating oil containing a copolymer of an ester of an unsaturated acid and a N-hydrocarbon amide of an unsaturated acid. 2,613,184, Oct. 7.
Catling, Harold: *See*—
Gregory, James, Foster, and Catling.
Cator, Frederick L., Olton, and F. W. Thorpe, Birmingham, England, assignors to General Electric Company. Electric lighting fitting having the lamp and control elements therefor removable as a unit. 2,584,671, Feb. 5.
Catranis, John G., Syracuse, N. Y. Knee lock for artificial legs and control therefor. 2,591,781, Apr. 8.
Catranis, John G., Syracuse, N. Y. Piston and valve assembly for hydraulic control devices. 2,592,656, Apr. 15.
Cattaneo, Alfred G., Contra Costa County, assignor to Shell Development Company, San Francisco, Calif. Aircraft fuel tank. 2,609,118, Sept. 2.
Catterall, William E.: *See*—
Carlson, Carl S., Catterall, and Stalb.
Mercer, Kenneth K., and Catterall.
Catterall, William E., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydration of alcohols by extractive distillation. 2,591,671, Apr. 8.
Catterall, William E., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydration of alcohols by gasoline extractive distillation. 2,591,672, Apr. 8.
Catterall, William E., Elizabeth, and E. O. Ohsol, Cranford, N. J., assignors to Standard Oil Development Company. Multistage process for condensing hydrocarbon synthesis products. 2,614,115, Oct. 14.
Caudill, Howard F., Arlington Heights, assignor to Western Foundation Corporation, Chicago, Ill. Steel sheet pile threader. 2,583,928, Jan. 29.
Cauffman, John W., Elkhart, Ind. Cup mouthpiece for musical instruments. 2,594,869, Apr. 29.
Caugherty, William E., Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation. Pickling chromium alloys. 2,598,889, June 3.
Caughey, John M., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring and air cushion. 2,622,662, Dec. 23.
Caughman, Leslie W., Buena Vista, Colo. Self-locking trailer coupling unit. 2,591,916, Apr. 8.
Caughrean, Milo C., San Francisco, Calif. Sled. 2,592,116, Apr. 8.
Cauley, Stephen P.: *See*—
Happel, John, and Cauley.
Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Vaporizing vertical pot type oil burner. 2,581,238, Jan. 1.
Caulfield, Carrie, administratrix, assignee: *See*—
Caulfield, Merville H.
Caulfield, Merville H., deceased, Llanerch; C. Caulfield, administratrix, assignor to C. Caulfield, Brookline, Pa. Device for operating pipettes. 2,599,370, June 3.
Causey, Otis A., Ceres, assignor of one-third to L. East, Modesto, Calif. Well-drilling machine. 2,595,126, Apr. 29.
Cauthen, Aubrey B., Charleston, S. C., assignor to Todd Shipyards Corporation. Power saw for underwater work. 2,608,220, Aug. 26.
Cautley, Margaret R., South Bend, Ind. Flexible container for clothes and the like. 2,603,264, July 15.
Cavanagh, John J., Hicksville, N. Y. Garment hanger. 2,583,996, Jan. 29.
Cavanagh, Patrick E., assignor to Ontario Research Foundation, Toronto, Ontario, Canada. Reducing metal oxides. 2,587,113, Feb. 26.
Cavanaugh, Edward F.: *See*—
Fencil, Louise K., Cavanaugh, and Borkenhagen.
Cave, Earl R.: *See*—
Pelly, Francis E.
Cave, William T., Oxford, England, J. H. Alexander, and J. A. McConbrey, Shawinigan Falls, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Refining chloral. 2,606,864, Aug. 12.
Cawl, Allen P., Painesville, Ohio, assignor to General Electric Company. Suction cleaner runner and bracket assembly. 2,612,380, Sept. 30.
Cawley, George: *See*—
Perot, Jules J., Jr., and Cawley.
Cawley, George, Upper Montclair, and H. M. Brown, Wood-Ridge, N. J. Core type winder drive. 2,583,040, Jan. 22.
Cawley, George, Upper Montclair, and H. M. Brown, Wood-Ridge, N. J. Core type winder drive. 2,590,682, Mar. 25.
Cayabyab, Jaime D., Binalonan, Pangasinan, Philippines. Paper fastener. 2,615,222, Oct. 28.
Cayas, Alex J., Glendale, Calif. Snow and ice disposing apparatus. 2,605,760, Aug. 5.
Cayton, Kenneth M.: *See*—
Thompson, Robert C., and Cayton.
Cazier, Harold: *See*—
Lowe, Henry E., and Cazier.
Cebolski, Peter, Belleville, Mich. Pivoted tire bead breaking tool with opposed pressure elements. 2,599,232, June 3.
Ce-Brick Corporation, The, assignee: *See*—
Herck, John.
Cedarberg Manufacturing Company Inc., assignee: *See*—
Keller, Thomas.
Cedarleaf, Gordon R., assignor to G. E. Lindstrom, Rockford, Ill. Toothbrush holder. 2,582,006, Jan. 8.
Cederholm, Carl I., South Worthington, Mass. Measuring instrument. 2,614,330, Oct. 21.
Cederlund, Albert, and A. Palmer, Worcester, and R. S. Schedin, Holden, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 2,616,457, Nov. 4.
Cederlund, Albert, Worcester, and A. C. Krukonis, Auburn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 2,616,458, Nov. 4.
Cee-Kleer Products, Inc., assignee: *See*—
Baird, Philip.
Celanese Corporation of America, assignee: *See*—
Allan, John, and Oxley.
Allen, James J., and Hawkes.
Blackman, Peter, Fortess, and White.
Cope, Rex L.
Culpepper, Frank M., and Latta.
Davies, Richard E.
Davis, Walter E.
Dice, Henry K., Jeffries, and Hull.
Dolmetsch, Carl R., and McFarlane.
Dort, Robert G.
Downing, John.
Drewitt, James G. N., and Lincoln.
Dreyfus, Henry.
Dreyfus, Henry, Rooney, and Shaw.
Eastwood, Donald R.
Eckler, Leopold, and Moeller.
Edwards, Walter R.
Elvin, William J., and Warren.
Ewing, Henry.
Ewing, Henry, and Mellor.
Finlayson, Donald, and Alford.
Fisher, James W., and Lincoln.
Fisher, James W., and Wheatley.
Groombridge, Walter H., and Hunter.
Haggerty, William T., Jr., and Ward.
Helserman, Clarence E.
Hilliard, Thomas H.
Horback, William B., Wickson, and Myles.
Hurst, Thomas M.
Kimpton, William H.
Kinsella, Edward.
Krause, Leonard, and Wainwright.
Lesser, Herman J.
Levers, James F., and Patchett.
McFarlane, Samuel B., Jr., and Miller.
MacLean, Alexander F.
MacLean, Alexander F., and Pickart.
Martin, Mervin E.
Martin, Mervin E., and Reed.
Martin, Mervin E., and Sherk.
Monerieff, Leslie J.
Olpin, Henry C., and Bell.
Olpin, Henry C., and Jackson.
Oxley, Horace F., Thomas, and Murfitt.
Page, Ronald, and Hunter.
Piperoux, Rene P., and Birmingham.
Piperoux, Rene P., Hertz, and Culpepper.
Plunguian, Mark, and Riley.
Pool, William.
Pool, William, and Taylor.
Robertson, Nat C., and Buchanan.
Robeson, Max O., and Blundell.
Robeson, Max O., and Taylor.
Robeson, Max O., and Webb.
Roughseige, Robert H., and Lustig.
Salvin, Victor S.
Salvin, Victor S., and Adams.
Salvin, Victor S., and Conciatori.
Schneider, George, and Andersen.
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Edwards.
Seymour, George W., White, and Plunguian.
Shugar, Gershon J., and Paist.
Speakman, John B., and Crummett.
Small, Frederick T.
Small, Frederick T., Armstrong, and Shoup.
Stahl, Elmer R.
Stanley, William E., and Edwards.
Stearn, William T.
Storey, Alvin B.
Sutherland, Frederick F.
Sutherland, Frederick F., and Storey.
Taylor, William L., and Grebby.
Thomas, Edward B., and Oxley.
Tobler, Henry, Jr.
Ward, George C.
Ward, George C., and Haggerty.
White, Blanche B., and Barnabash.
White, Blanche B., Rosen, and Blackman.
Whitehead, William, Brown, and Rooney.
Wickson, Edward J., Myles, and Horback.
Wickson, Edward J., and Paist.
Wilcox, Merlyn H., Downing, and Drewitt.
Celizic, John, Euclid, Ohio. Detachable seat back for use on board seats. 2,604,144, July 22.

Cella, G., Inc., assignee: *See*—
Bianchi, Henry E.
Cella, Joseph F., Crestwood, N. Y. Box or crate. 2,618,398, Nov. 18.
Cella, Luigi, Newark, N. J. Sectionalized dressmaker's form and basic pattern. 2,605,029, July 29.
Celotex Corporation, The, assignee: *See*—
Heinrich, Ludwig K.
Price, Manley R.
Wheeler, Dee G.
Celovsky, Michael J., Detroit, Mich. Apparatus for cutting flanged slots in radiator sections. 2,583,682, Jan. 29.
Cement Gun Company, Inc., assignee: *See*—
Gillespie, Robert N., Mair, and McNally.
Centini, Joseph R., and W. A. Sterling, assignors to Hamilton Watch Company, Lancaster, Pa. Jewel setting press. 2,602,986, July 15.
Centofanti, Olin, Paulsboro, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gas leak detector. 2,582,859, Jan. 15.
Centolella, Albert P.: *See*—
Heyl, Frederick W., and Centolella.
Central Commercial Company, assignee: *See*—
Grove, Clinton.
Central Foundry Company, The, assignee: *See*—
Nolan, John J., Jr.
Central Mine Equipment Company, assignee: *See*—
Huckshold, Elmer J.
Central Pharmacal Company, The, assignee: *See*—
Feinstone, Wolffe H.
Central Soya Company, Inc., assignee: *See*—
Kruse, Norman F.
Centre National de la Recherche Scientifique, assignee: *See*—
Couffignal, Pierre L.
Felici, Noël.
Nisolle, Léon.
Century Aircraft Co., assignee: *See*—
Jensen, Hubert M., and Bouvier.
Century Engineering Co., assignee: *See*—
Andersen, Emil.
Century Engineering Corporation, assignee: *See*—
Lattner, Emert J.
Century Geophysical Corporation, assignee: *See*—
Fisher, James L.
Handley, Ernest J.
Hendricks, Charles E.
Century Lighting, Inc., assignee: *See*—
McCandless, Stanley.
Century Machine Company, The, assignee: *See*—
Hein, August E.
Čepelák, Karel: *See*—
Šlampa, Vavřín, Čepelák, and Vrága.
Ceramic Process Co., assignee: *See*—
Wulf, Charles A.
Ceratile Corporation, assignee: *See*—
Harlan, Richard B., and Gardner.
Cerceau, Enrique, Cordoba, Argentina. Inking device for typewriters. 2,600,156, June 10.
Cereal Food Products Company, assignee: *See*—
Jean, Paul E.
Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Doorknob spindle releasing means. 2,593,264, Apr. 15.
Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Latch mechanism. 2,611,635, Sept. 23.
Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Doorknob lock and latch set of the turn-button spindle locking type. 2,618,955, Nov. 25.
Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Doorknob and lock set with inaccessible fastenings. 2,622,431, Dec. 23.
Cerness, Joseph F.: *See*—
Schaefer, Ralph A., Cerness, and Morrison.
Černocký, Andělolsav, Prague, Czechoslovakia. Floater lock chamber. 2,608,827, Sept. 2.
Černý, Jaroslav, Dolní Kralovice, Czechoslovakia. Fountain pen. 2,584,843, Feb. 5.
Cerny, Joseph J., Chicago, Ill. Making electrical resistors. 2,596,325, May 13.
Certain-Teed Products Corporation, assignee: *See*—
Boarini, Edward J.
Hoggatt, Gilbert A.
Certified Burglar Alarm Systems, Incorporated, assignee: *See*—
Poulson, Frank E.
Cesan, Harry W., Feeding Hills, Mass. Garden tractor. 2,583,358, Jan. 22.
Cesaro, Richard S., and H. B. Harris, Cleveland, Ohio. Temperature-sensing and/or sound velocity-measuring device. 2,582,232, Jan. 15.
Ceskomoravska-Kolben-Danek, Narodni Podnik, assignee: *See*—
Janatka, Jaroslav.
Ceskoslovenske Textilni Zavody, Narodni Podnik, assignee: *See*—
Heřmánek, Václav.
Ceskoslovensky Prumysl Lihovarsky a drozdarsky, Narodni Podnik, assignee: *See*—
Roubíček, Richard.
Cessna Aircraft Company, assignee: *See*—
Salter, Thomas B.
Ceyzeriat, Louis: *See*—
Bidaud, Auguste F., and Ceyzeriat.
Chabay, Marcel R. A., Paris, France. Compressor. 2,615,618, Oct. 28.
Chabel, C., & Cie (Societe en Commandite par Actions) and Etablissements Neyrpic, assignee: *See*—
Hardy, Pierre P. E
Chabrier, Pierre, Paris, P. R. L. Giudicelli, Fontenay-sous-Bois, and C. H. Génot, assignors to Les Laboratoires Dausse, Societe Anonyme, Paris, France. Morphine derivatives and production thereof. 2,619,485, Nov. 25.
Chace, John E., Adamsdale, Mass. Carrier for braiding machines. 2,619,001, Nov. 25.
Chace, W. M., Company, assignee: *See*—
Alban, Clarence F., and Matthews.
Chadbourne, Joseph H., Scotland, Conn. Loom picker. 2,585,435, Feb. 12.
Chadderton, Tom, and R. Thornton, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Printing with onium dyestuffs and buffer mixtures. 2,599,371, June 3.
Chadeloid Corporation, assignee: *See*—
Denlston, George L., and Berglund.
Chadkewicz, Alexander: *See*—
Nims, Paul T., and Chadkewicz.
Chadock, Carl: *See*—
Toepfer, Francis H., Lutz, and Chadock.
Chadwick, Alexander: *See*—
Nims, Paul T., and Chadkewicz.
Chadwick, David H., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing C_1-C_8 dialkyl hydrogen phosphites. 2,582,817, Jan. 15.
Chadwick, Earl L., Portland, Oreg. Power agitated metal parts cleaning machine. 2,592,117, Apr. 8.
Chadwick, Earl L., Portland, Oreg. Power agitated parts cleaning machine. 2,592,857, Apr. 15.
Chadwick, Eric, Carshalton, assignor to British Industrial Solvents Limited, London, England. Lead, cobalt and manganese salts of 2,4,4-trimethyl valeric acid. 2,596,371, May 13.
Chadwick, George A., Washington Grove, Md., and P. H. Girouard, Washington, D. C. Reversible ratchet type projectile hoist. 2,591,673, Apr. 8.
Chadwick, George A., Detroit, Mich., and P. W. Burk, Washington, D. C. Gun rammer. 2,593,412, Apr. 22.
Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Ozone generator. 2,607,726, Aug. 19.
Chadwick, Lee S., Shaker Heights, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Broiling equipment for use in ovens. 2,604,033, July 22.
Chadwick, Lee S., Shaker Heights, E. W. Cheeseman, Lakewood, and A. R. Moore, assignors to Perfection Stove Company, Cleveland, Ohio. Air and fuel supply means for liquid fuel burners of the bowl type. 2,614,618, Oct. 21.
Chadwick, Michael P., Rochester, N. Y. Bait holder. 2,605,579, Aug. 5.
Chaffee, Harold D., Bedford, Ohio. Fishing plug. 2,590,752, Mar. 25.
Chaffee, Joseph G.: *See*—
Espenschied, Lloyd, and Chaffee.
Chafin, James M.: *See*—
Wright, John G., Chafin, Sudan, Watkins, and Hanson.
Chain Belt Company, assignee: *See*—
Jewett, Maurice G., and Sivyer.
Lendved, John W., and Longenecker.
Lindow, Rudolph F.
Longenecker, Charles I.
Miller, Arthur E., Lindow, and Shafer.
Olson, Albert M.
Razek, Joseph.
Strehlow, Robert W., Olson, and Kaap.
Chain, Chester W., Tulelake, Calif. Adjustable stool base. 2,583,414, Jan. 22.
Chait, Herman N., Washington, D. C. Arbitrarily polarized antenna system. 2,619,635, Nov. 25.
Chalfant, Harvey W., assignor to The Chalfant Manufacturing Corporation, Cleveland, Ohio. Shutter-type awning. 2,602,972, July 15.
Chalfant Manufacturing Corporation, The, assignee: *See*—
Chalfant, Harvey W.
Chalker, William R., Texarkana, Tex. Fishing rod carrying case. 2,591,674, Apr. 8.
Challenge Machinery Company, The, assignee: *See*—
Barney, Freeman.
Challis, Phillip, London, England. Cushion retaining device for chair backs. 2,606,600, Aug. 12.
Challis, Phillip, London, England. Headrest. 2,623,575, Dec. 30.
Chalmers, John B., and F. H. G. McCaffrey, Brownsburg, assignors to Canadian Safety Fuse Company Limited, Montreal, Quebec, Canada. Fuse igniting and connecting device. 2,587,694, Mar. 4.

Chalmers, John W., and D. R. P. Jackson, assignors to Molins Machine Company, Limited, London, England. Packet making machine. 2,591,135, Apr. 1.
Chalom, Joseph A., Paris, France. Nozzle. 2,583,726, Jan. 29.
Chalupa, Emil, New York, N. Y. Smokeless coffee roasting apparatus. 2,593,983, Apr. 22.
Chamagne, Emile, Paris, and A. Charbonnier, Montmorency, France; said Chamagne assignor to Radiodiffusion Francaise. Frequency control device. 2,586,916, Feb. 26.
Chamberlain Corporation, assignee: *See*—
Etten, Nicholas L.
Chamberlain, Dale W., Oakland, Calif. Razorstrop guard. 2,590,289, Mar. 25.
Chamberlain, Edward T., Jr., Hanover, N. H. Cable grip. 2,615,402, Oct. 28.
Chamberlain, Eli L., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Building unit. 2,592,244, Apr. 8.
Chamberlain, Jerry C., Phoenix, Ariz. Automobile canopy. 2,609,042, Sept. 2.
Chamberlain, John W., Iron Mountain, Mich. Self-closing gate. 2,587,287, Feb. 26.
Chamberlain, Norman H.: *See*—
Speakman, John B., Chamberlain, and Dorkin.
Chamberlain, Nugent F., and R. J. Michael, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vapor discharge lamp. 2,624,010, Dec. 30.
Chamberlain, Owen: *See*—
Wiegand, Clyde E., and Chamberlain.
Chamberlin Company of America, assignee: *See*—
Willett, Leon E., and Baker.
Chamberlin, Earl M., Rahway, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing 2,2-diphenyl-3-methyl-4-dimethylamino-butyronitrile. 2,607,794, Aug. 19.
Chamberlin, John W., Mequon, Wis., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Laundry machine. 2,607,208, Aug. 19.
Chamberlin, Reginald H. D.: *See*—
Wynne, Charles H. L., and Chamberlin.
Chamberlin, Reginald H. D., assignor to D. Napier & Son Limited, London, England. Fuel supply system for internal-combustion engines. 2,586,004, Feb. 19.
Chamberlin, Reginald H. D., and C. H. L. Wynne, London, and J. Skellern, Northolt, assignors to D. Napier & Son Limited, London, England. Fuel metering and airscrew pitch control mechanism. 2,593,536, Apr. 22.
Chambers, Albert M., Jr., assignor to The Garlock Packing Company, Palmyra, N. Y. Sealing device. 2,595,926, May 6.
Chambers, Bynom L., Dalton, assignor, by mesne assignments, to Dixie-Belle Spread Co., Inc., Calhoun, Ga. Skip stitch machine. 2,589,340, Mar. 18.
Chambers Corporation, assignee: *See*—
Chambers, John E.
Chambers, John E., and Phares.
Phares, Thomas E.
Chambers, Herbert I., and L. B. Ehrlich, Toledo, Ohio. Filtering apparatus. 2,584,551, Feb. 5.
Chambers, John, Newport, R. I. Cheese slicing device. 2,611,952, Sept. 30.
Chambers, John E., Shelbyville, Ind., assignor to Chambers Corporation. Top burner for gas ranges. 2,614,620, Oct. 21.
Chambers, John E., and T. E. Phares, Shelbyville, Ind., assignors to Chambers Corporation. Insulated handle. 2,616,121, Nov. 4.
Chambers, John M., Leamington Spa, England, assignor to Harry Ferguson, Inc., Detroit, Mich. Pump and motor hydraulic system for use on tractors. 2,592,393, Apr. 8.
Chambers, John M., Leamington Spa, assignor to Harry Ferguson, Ltd., Coventry, England. Transport apparatus for tandem-harrows. 2,620,610, Dec. 9.
Chambers, Lawrence B., assignor to The Brush Development Company, Cleveland, Ohio. Growing a crystal. 2,604,385, July 22.
Chambers, Lawrence N., Davenport, Iowa. Pistol sight. 2,610,406, Sept. 16.
Chambers, Robert D., Owensboro, Ky. Film-processing tank. 2,603,135, July 15.
Chambers, Thomas B., Jr., Cranford, N. J. Hand truck. 2,609,950, Sept. 9.
Chambers, Torrence H., Washington, D. C. Random impulse signal generator. 2,607,896, Aug. 19.
Chambersburg Engineering Company, assignee: *See*—
Alcorn, Robert L., Jr.
Clarke, Eugene C., Jr., and Rickrode.
Rickrode, Paul A.
Chambonneau, Roger, Caracas, Venezuela. Semiautomatic speed changing device. 2,622,711, Dec. 23.
Chamoux, Alexandre, assignor to Societe Trefilerie & Cablerie de Bourg, Bourg, France. Triangular strand for cables. 2,620,618, Dec. 9.
Champagnat, Alfred V.: *See*—
Ahier, Georges C., Champagnat, and Tirmont.
Champayne, Edmund F.: *See*—
McLachlan, Dan, Jr., and Champayne.
Champayne, Roy J., Rockford, Ill. Reciprocating machine. 2,620,775, Dec. 9.
Champion De Arment Tool Company, assignee: *See*—
Manning, Howard H.
Champion Dish Washing Machine Company, assignee: *See*—
Davis, Patrick H.
Champion Knitwear Company, Inc., assignee: *See*—
Friedland, Samuel N., and Feinbloom.
Champion Laboratories, Inc., assignee: *See*—
Hance, Isaac I.
Champion, Mary A., administratrix: *See*—
Champion, William R.
Champion Paper and Fibre Company, The, assignee: *See*—
Blickensderfer, Philip S.
Cox, Edwin P.
Illner, Paul R.
Stoddard, William B., Jr.
Warner, Edgar.
Champion Spark Plug Company, assignee: *See*—
Christie, Robert K.
Vogel, Howard H., and Paton.
Champion, William A., deceased, Croxley Green, England; M. A. Champion and J. K. Carpenter, administrators. Coupling for pipes and tubes. 2,582,746, Jan. 15.
Chance, A. B., Company, assignee: *See*—
Hollander, William L.
Hubbard, David C.
Hubbard, David C., and Hollander.
Chance, Britton, Cambridge, and A. H. Frederick, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Vernier ranging circuit. 2,589,773, Mar. 18.
Chandlee, William H., Jr.: *See*—
Dean, Albert G., and Chandlee.
Chandler, Daniel G., and W. W. Bryson, Columbus, Miss.; said Bryson assignor to said Chandler. Flashlight attachment for guns. 2,597,565, May 20.
Chandler, Edward A.: *See*—
Molins, Desmond W., Best, and Chandler.
Chandler, Edward F., Brooklyn, N. Y. Oil burner. 2,610,673, Sept. 16.
Chandler, Frank J.: *See*—
Paton, James B., and Chandler.
Chandler, Franklin R., San Diego, Calif. Plasterboard lath clip for metal studding. 2,620,531, Dec. 9.
Chandler, Irving R., Brooklyn, N. Y., assignor to General Electric Company. Control for electrical cooking appliances. 2,611,070, Sept. 16.
Chandler, James D., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making ornamented articles from sheet material and articles produced thereby. 2,622,052, Dec. 16.
Chandler, Jasper S., assignor to Eastman Kodak Company, Rochester, N. Y. Claw pulldown mechanism. 2,611,292, Sept. 23.
Chandler, Laurence D., assignee: *See*—
Campbell, Calvin C.
Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel injector pump mechanism. 2,588,481, Mar. 11.
Chandler, Milton E., New Britain, Conn. Auxiliary fuel chamber. 2,597,776, May 20.
Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,601,976, July 1.
Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel and torque control apparatus for internal-combustion engines. 2,618,927, Nov. 25.
Chandler, Milton E., New Britain, and S. F. Hunt, Meriden, assignors to Niles-Bement-Pond Company, West Hartford, Conn. Dehydrator plug. 2,614,650, Oct. 21.
Chandler & Price Company, The, assignee: *See*—
Jirousek, Joseph F.
McLaughlin, Frederick D.
Root, Charles F.
Rupp, William C.
Chandler, Rex O., Ceredo, W. Va. Tire, wheel, and hub cap lock. 2,614,889, Oct. 21.
Chandler, Robert E.: *See*—
Ayers, George W., Geerts, and Chandler.
Chanel, Inc., assignee: *See*—
Sulnat, Pierre.
Chaney, Allen L.: *See*—
Betts, Joseph L., Jr., and Chaney.
Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Lower alkyl esters of fluorinated propionic acid and making the esters. 2,583,415, Jan. 22.
Chaney, Preston E., and W. E. Barnes, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Apparatus for determining the zone of lost circulation of drilling mud. 2,592,378, Apr. 8.
Chaney, Preston E., and W. E. Barnes, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Driving and recording mechanism for calipering devices. 2,615,779, Oct. 28.
Chang, Sheldon S. L.: *See*—
Byram, Frederick, Cameron, and Chang.
Chang, Sheldon S. L., assignor to Robbins & Myers, Inc., Springfield, Ohio. Flat rotary pump. 2,590,435, Mar. 25.

Chantex, Inc., assignee: *See*—
Slater, Edward J.
Chao, Tsai H.: *See*—
Lecher, Hans Z., and Chao.
Chao, Tsai H., and E. M. Wharton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of benzothiazole through pyrolysis. 2,610,190, Sept. 9.
Chapel, William F., assignee: *See*—
Sinkwitz, Joseph C., and Szpur.
Chapin, Barton H., assignor to The Kawneer Company, Niles, Mich. Glass setting device. 2,595,927, May 6.
Chapin, Bryan W., Tully, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine and drive therefor. 2,588,963, Mar. 11.
Chapin, Earl C.: *See*—
Ham, George E., and Chapin.
Nielsen, Morris L., Arnold, and Chapin.
Chapin, Earl C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized copolymers of acrylonitrile and styrene. 2,580,997, Jan. 1.
Chapin, Ellis W., Chicopee Falls, and L. Elkas, West Springfield, Mass., assignors to Savage Arms Corporation, Utica, N. Y. Cartridge guide device for repeating firearms. 2,585,738, Feb. 12.
Chapin, Howard R.: *See*—
Mandolf, Henry L., and Chapin.
Chapin, William R., assignor to E. C. Atkins and Company, Indianapolis, Ind. Circular saw blade with tension stabilizing holes. 2,609,017, Sept. 2.
Chapko, Anton: *See*—
Plevak, Joseph P., and Chapko.
Chaplin, Earl C., Dayton, and L. E. Weeks, Union City, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Floor polishing compositions. 2,606,165, Aug. 5.
Chapman, Alfred A. G., London, England. Electrolytic method to remove rust. 2,615,840, Oct. 28.
Chapman, Anna S., administratrix: *See*—
Hitchock, John H., and Chapman.
Chapman, Bert J., Marysville, Calif. Bumper jack attachment device. 2,616,746, Nov. 4.
Chapman, Clarence E.: *See*—
Dougerty, Charles F., and Chapman.
Dougherty, Charles F., Jr., and Chapman.
Wixon, Paul E., and Chapman.
Chapman, Charles W., Burstow, Horley, England. Friction clutch, brake, and coupling. 2,588,482, Mar. 11.
Chapman, Edward E.: *See*—
Corfield, Albert H., and Chapman.
Chapman, Edward L., assignee: *See*—
Statla, Edwin V., Sr.
Chapman, Edward S., assignor to Pritchett & Gold and E. P. S. Company Limited, Dagenham Dock, England. Electrical storage battery. 2,620,370, Dec. 2.
Chapman, Emmeline T., administratrix: *See*—
Chapman, Penrose E., and P. E. Chapman, Jr.
Chapman Forest Utilization, Inc., assignee: *See*—
Chapman, Ralph.
Chapman, Frank D., Berlin, Wis. Receptacle filler. 2,588,483, Mar. 11.
Chapman, Harold L., East Moriches, N. Y. Bottle carrier. 2,606,702, Aug. 12.
Chapman, Harry J., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Ventilator window construction. 2,587,288, Feb. 26.
Chapman, James E., assignor to The Garrett Corporation, Los Angeles, Calif. Mechanical clutch. 2,610,718, Sept. 16.
Chapman, John H., Central, S. C. Filling detecting device for looms. 2,598,353, May 27.
Chapman, John H., Ruislip, assignor to Glaxo Laboratories Limited, Greenford, England. Preparation of a derivative of cyclohexene. 2,584,969, Feb. 12.
Chapman, Kenneth T.: *See*—
Dickenson, Haydn G., Chapman, and Hopf.
Chapman, Marlon P., Drayton, S. C. Control device. 2,587,114, Feb. 26.
Chapman, P. E., Electrical Works, Inc., assignee: *See*—
Chapman, Penrose E.
Chapman, Penrose E., deceased: W. C. Chapman, executor of the estate of P. E. Chapman, assignor to P. E. Chapman Electrical Works, Inc., St. Louis, Mo. Growler type testing device. 2,622,128, Dec. 16.
Chapman, Penrose E., Jr.: *See*—
Chapman, Penrose E., and Penrose E. Chapman, Jr.
Chapman, Penrose E., and Penrose E. Chapman, Jr., deceased, St. Louis, Mo.; E. T. Chapman, administratrix of said P. E. Chapman, Jr. Winding machine. 2,595,332, May 6.
Chapman, Ralph, assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Press loader and shutter. 2,599,693, June 10.
Chapman, Ralph, assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Press unloader and shutter. 2,612,275, Sept. 30.
Chapman, Reuben E., Tillar, Ark. Circular-saw stump-cutting attachment for tractors. 2,601,366, June 24.
Chapman, Romaine C., West Cheshire, and W. W. Borowy, Oakville, assignors to Scovill Manufacturing Company, Waterbury, Conn. Snap fastener display card. 2,618,383, Nov. 18.
Chapman, Walter J.: *See*—
Komarek, Gustav, and Chapman.
Chapman, Wilbur C., executor: *See*—
Chapman, Penrose E.
Chapman, William A., Lithonia, Ga. Conveyer idler. 2,613,802, Oct. 14.
Chappell, Charles H., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Large electrode with thermal stress relief. 2,603,669, July 15.
Chappell, Eugene L., Shaler Township, Allegheny County, Pa. Making a composite hollow internally cement-lined internally generally cylindrical object. 2,598,972, June 3.
Chappell, Fred L., Jr., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Foamed gypsum composition. 2,593,008, Apr. 15.
Chappell, Herman H.: *See*—
Zschokke, Theodore O., and Chappell.
Chapple, Charles C., Wyndmoor, Pa. Thaw indicator. 2,617,734, Nov. 11.
Chapple, E. D., Co., Inc., The, assignee: *See*—
Chapple, Elliot D.
Chapple, Elliot D., Milton, Mass., assignor to The E. D. Chapple Co., Inc., New York, N. Y. Interaction recorder. 2,609,618, Sept. 9.
Chapplow, William L., Honiton, England, assignor to M. E. Hood, Cincinnati, Ohio. Beer dispensing apparatus with means for carbonating said beer with a mixture of CO_2 and air in definite ratio. 2,580,516, Jan. 1.
Chappuis, Ali, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix. Device for anchoring ribbons to hubs. 2,619,299, Nov. 25.
Charak, Estey P., Newton, assignor to Charak Furniture Company, Boston, Mass. Lock for drop-leaf swivel extension tables. 2,620,247, Dec. 2.
Charak Furniture Company, assignee: *See*—
Charak, Estey P.
Charbeneau, Clarence A., Mount Clemens, Mich. Hair-cutting comb. 2,610,392, Sept. 16.
Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Anticorrosion mounting for electric immersion heaters. 2,594,255, Apr. 22.
Charbonneau, Allan P., and F. J. Russell, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Contact mounting. 2,594,396, Apr. 29.
Charbonnier, André: *See*—
Chamagne, Emile, and Charbonnier.
Charchian, Benjamin M., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Multistage cascade amplifier. 2,615,998, Oct. 28.
Charipar, James S., Chicago, Ill. Support. 2,607,554, Aug. 19.
Charles, Ethelred J., Brooklyn, N. Y. Circle cutter. 2,618,991, Nov. 25.
Charles, Ethelred J., Brooklyn, N. Y. Circle cutter. 2,618,992, Nov. 25.
Charles, T. Burr, and R. R. Skelton, Durham, N. H. Automatic feeding system. 2,597,064, May 20.
Charlesworth, Percy A., Adlington, near Macclesfield, England. Electrolytic polishing of metals. 2,594,124, Apr. 22.
Charlesworth, Percy A., Adlington, near Macclesfield, and J. Craven, Manchester, England. Preventing deterioration of printing rollers. 2,622,038, Dec. 16.
Charlesworth, Reginald D., Dee Why, assignor to Magnavox (Australia) Pty. Ltd., East Sydney, New South Wales, Australia. Loud-speaker made from separate units having locking ring securing units together. 2,590,935, Apr. 1.
Charlesworth, Reginald D., Dee Why, assignor to Magnavox (Australia) Pty. Ltd., East Sydney, New South Wales, Australia. Magnetic unit with magnetically positioned pole piece for loud-speakers. 2,604,551, July 22.
Charlston, Gustave A., Portland, Oreg. Glass coffee maker guard. 2,607,285, Aug. 19.
Charlton, Ralph W.: *See*—
Palmer, Leon B., and Charlton.
Charlton, Sydney: *See*—
Egerton, William E., and Charlton.
Charney, Jesse, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Purification of bacitracin by adsorption. 2,582,921, Jan. 15.
Charnley, Thomas P.: *See*—
Weber, Jack, and Parkinson.
Charpentier, Paul, Cholsy-le-Roi, assignor to Societe Des Usines Chimiques Rhone Poulenc, Paris, France. Phenothiazine derivatives and their preparation. 2,595,215, May 6.
Charron, Charles S., Toronto, and A. J. Garvin, Scarboro, Ontario, Canada. Drapery track and roller assembly. 2,597,224, May 20.
Charters, George W., and B. H. Michels, Camas, Wash., assignors to Crown Zellerbach Corporation, San Francisco, Calif. Mechanical off-bearing means. 2,588,484, Mar. 11.
Charters, Merle H., Paterson, N. J. Standing table for invalids. 2,603,542, July 15.
Chartoff, Louis, New Haven, Conn. Dustless blind structure. 2,607,090, Aug. 19.
Charton, Paul W., Montclair, assignor to National Union Radio Corporation, Orange, N. J. Electrostatically-focused rotary radial beam tube. 2,616,061, Oct. 28.

Charton, Paul W., Montclair, assignor to National Union Radio Corporation, Orange, N. J. Rotary focused beam electron tube. 2,616,062, Oct. 28.
Chasar, Anthony R., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Nipple chuck. 2,598,109, May 27.
Chasar, Anthony R., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Machine tool. 2,614,435, Oct. 21.
Chase Aircraft Company, Inc., assignee: *See*—
Stroukoff, Michael, and Bartfield.
Chase, Arthur M., assignee: *See*—
Chase, Henry M.
Chase Brass & Copper Co. Incorporated, assignee: *See*—
Marcussen, Kenneth R.
Murnane, John A., and Curry.
Chase, Charles R., Morrisville, and G. L. Bliss, Yardley, Pa., assignors to United States Steel Company. Method and apparatus for coating wire with lime. 2,610,926, Sept. 16.
Chase Corporation, The, assignee: *See*—
Chase, Curtis D.
Chase, Curtis D., deceased, Brighton, Mass., by M. L. Chase, administratrix, assignor to The Chase Corporation, Boston, Mass. Machine for cutting index notches. 2,620,874, Dec. 9.
Chase, Donald C., Milford, and J. M. Joyner, Winsted, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Apparatus for treating plastic materials. 2,593,265, Apr. 15.
Chase, Fred L., Jr., Dedham, and H. G. Maeder, Jr., Belmont, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Forming side seams in metal can bodies. 2,581,751, Jan. 8.
Chase, George O., Hawthorne, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of 3-pyridyl-carbinol. 2,615,896, Oct. 28.
Chase, Henry M., assignor to A. M. Chase, Nampa, Idaho. Preparing and preserving potatoes. 2,597,065, May 20.
Chase, Henry M., assignor to A. M. Chase, Nampa, Idaho. Preparing and preserving frozen potatoes. 2,597,066, May 20.
Chase, Henry M., assignor to A. M. Chase, Nampa, Idaho. Preparing and preserving potatoes. 2,597,067, May 20.
Chase, Horace S., New York, N. Y. Electric control device. 2,606,237, Aug. 5.
Chase, Leon A., Denver, Colo. Valve for flexible hose. 2,590,290, Mar. 25.
Chase, Linwood R., Presque Isle, Maine. Discharge conveyer attachment for potato diggers. 2,598,223, May 27.
Chase, Marie L., administratrix: *See*—
Chase, Curtis D.
Chase National Bank of the City of New York, The, executor: *See*—
Gilbert, Charles E.
Chase Protected Cultivation Limited, assignee: *See*—
Loftus-Tottenham, Henry T. L., and Coster.
Chase-Shawmut Company, The, assignee: *See*—
Edsall, William S.
Edsall, William S., Swain, and Kozacka.
Kozacka, Frederick J.
Chasinov, Samuel, Bronx, N. Y. Intercoupling extension for brassières. 2,602,929, July 15.
Chassaing, François, Alfortville, France. Manufacturing rubber articles from sensitized latex. 2,583,683, Jan. 29.
Chatelain, John B.: *See*—
Cain, Gordon A., and Chatelain.
Chater, John A., Topsham, Maine, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Moistened dust spraying machine. 2,608,792, Sept. 2.
Chatfield, Earl C., Oak Park, Ill. Bulb setter. 2,589,774, Mar. 18.
Chatfield, Franklin, Minneapolis, Minn., assignor, by mesne assignments, to F. R. Redman, Yardley, Pa. Apparatus for shrinking and condensing textile fabrics. 2,583,630, Jan. 29.
Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Men's undergarment. 2,602,928, July 15.
Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Man's undergarment. 2,623,210, Dec. 30.
Chatfield, Franklin, and S. R. Folsom, assignors to Munsingwear, Inc., Minneapolis, Minn. Needle dipper mechanism. 2,621,620, Dec. 16.
Chatfield, Herbert W., Croydon, assignor to Leon Frenkel Limited, London, England. Coating compositions containing aluminum alcoholates as driers. 2,613,162, Oct. 7.
Chatham Electronics Corporation, assignee: *See*—
Bosch, Carl.
Bosch, Carl, and Shamos.
Lupo, Frank J.
Watrous, Ward W., Jr.
Chatillon, John, & Sons, assignee: *See*—
Schrader, William L.
Chatles, Andrew G., Bridgeport, Conn. Reversible crib. 2,617,121, Nov. 11.
Chatsworth Manufacturing Co., assignee: *See*—
Phelps, William M.
Chattanooga Medicine Co., The, assignee: *See*—
Hastings, Ward E.
Chatterton, Earl L., Bloomfield, and A. S. Hegeman, Jr., Glen Ridge, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Timing pulse generator. 2,606,288, Aug. 5.
Chatterton, Ernest E., assignor to D. Napier & Son Limited, London, England. Fluid cooling of reciprocating piston. 2,621,638, Dec. 16.
Chattler, Leo M., Washington, D. C. Solenoid shutoff valve with integral hydraulic time delay. 2,617,258, Nov. 11.
Chaumeron, Jacques: *See*—
Bolsvieux, Jacques, and Chaumeron.
Chausson, Gaston, assignor to Societe Anonyme Des Usines Chausson, Asnieres, France. Variable flexibility suspension device for vehicles. 2,596,209, May 13.
Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Vehicle body and chassis construction. 2,606,058, Aug. 5.
Chauveau, Louis, Paris, France. Apparatus for selecting signals of a particular frequency. 2,593,266, Apr. 15.
Chauvin, Francis E., Albany, N. Y. Toothbrush having separate rows of long bristles and short bristles. 2,622,259, Dec. 23.
Chavannes Industrial Synthetics, Inc., assignee: *See*—
Chavannes, Marc A.
Chavannes, Marc A., and Magoon.
Chavannes, Marc A., Pompton Lakes, N. J., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Apparatus and method for embossing thermoplastic film. 2,585,915, Feb. 19.
Chavannes, Marc A., Lisbon, Conn., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Apparatus for applying designs to plastic sheetlike materials. 2,594,290, Apr. 29.
Chavannes, Marc A., New York, N. Y., assignor, by mesne assignments, to Chavannes Synthetic Fibres, Inc. Apparatus and method for producing thermoplastic fibers. 2,614,288, Oct. 21.
Chavannes, Marc A., Lisbon, and L. E. Magoon, Pachaug, Conn., assignors to Chavannes Industrial Synthetics, Inc., New York, N. Y. Making decorative sheet-like articles. 2,587,594, Mar. 4.
Chavannes, Marc A., New York, N. Y., and J. C. Elliott, Madison, Wis., assignors, by mesne assignments, to Chavannes Synthetic Fibres, Inc. Method and apparatus for producing fine fibers. 2,596,128, May 13.
Chavannes Synthetic Fibres, Inc., assignee: *See*—
Chavannes, Marc A.
Chavannes, Marc A., and Elliott.
Chavis, Ada, assignee: *See*—
Chavis, Willie, F., and N.
Chavis, Dewey, assignee: *See*—
Chavis, Willie, F., and C.
Chavis, Fannie: *See*—
Chavis, Willie, F., and N.
Chavis, Noah: *See*—
Chavis, Willie, F., and N.
Chavis, Willie, F., and N., assignors of twenty percent to A. Chavis and twenty percent to D. Chavis, Niceville, Fla. Electric alarm. 2,604,567, July 22.
Cheatum, Leo G.: *See*—
Hill, George B., and Cheatum.
McClellan, Marcus E., and Cheatum.
McClellan, Marcus E., Cheatum, and Hill.
Chechak, Jonas J., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of sulfonated copper phthalocyanine dye. 2,600,377, June 17.
Cheecol Processes Limited, assignee: *See*—
Mollo, Eugene.
Cheek, Robert C., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency selective device. 2,605,396, July 29.
Cheek, Robert C., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio receiver for single side band signals. 2,605,397, July 29.
Cheeseman, Evans W.: *See*—
Chadwick, Lee S., Cheeseman, and Moore.
Cheesman, John J., Gerrards Cross, England, assignor, by mesne assignments, to General Strapping Corporation, New York, N. Y. Package binding. 2,613,589, Oct. 14.
Cheesman, John J., Gerrards Cross, England, assignor, by mesne assignments, to General Strapping Corporation, New York, N. Y. Package binding machine. 2,614,487, Oct. 21.
Cheesman, Theodore A., Kalama, Wash. Hydraulic jack. 2,608,825, Sept. 2.
Cheffings, Frank: *See*—
Hickling, Ernest H., Cheffings, and Butlin.
Chehak, Henry J., Portland, Oreg. Tube holding and dispensing device. 2,583,631, Jan. 29.
Chelf, Clarence C.: *See*—
Moffitt, Ralph C., and Chelf.
Chelgren, Arvid E., Elmhurst, Ill., assignor to Zenith Radio Corporation. High-frequency resonant circuit. 2,595,764, May 6.
Chelminski, Roman, Wilton, Conn., assignor to General American Transportation Corporation, Chicago, Ill. Sedimentation apparatus and drive. 2,604,078, July 22.
Chelsea Products, Inc., assignee: *See*—
Lohman, William J., Jr.

Chemectron Corporation, assignee: *See*—
Schwartzman, Louis H.
Schwartzman, Louis H., and Woods.
Chemical Construction Corporation, assignee: *See*—
Allen, Louis N., Jr.
McGauley, Patrick J.
Maurer, Michael H., Roberts.
Chemical Corporation, The, assignee: *See*—
Gardner, Bryant H., and Yardley.
Chemical Foundation, Inc., The, assignee: *See*—
Barrett, Harold W.
Englert, Robert D., Gerjovich, and Pijoan.
Chemical Seed Treating and Delinting Corporation, assignee: *See*—
Streets, Rubert B.
Chemische Fabriek L. van der Grinten, assignee: *See*—
Bartels, Wilhelmus H. G.
Breuers, Theo P. C., and Linthout.
Buskes, Willem M., Sanders, Vallen, and Hutgens.
Kessels, Franciscus A. H.
Nagels, Frederik, and Selen.
Van der Grinten, Lodewijk P. F.
Van der Grinten, Lodewijk P. F., and Vallen.
Chemische Fabrik Uetikon (Uetikon Chemical Company), assignee: *See*—
Schwarzenbach, Gerold.
Chemo-Textiles, Inc., assignee: *See*—
Jones, Webster, and Heslin.
Rounds, Comer A., and Nester.
Chemstrand Corporation, The, assignee: *See*—
Craig, Alfred B.
Ham, George E.
Hoxie, Howard M.
Lytton, Marion R.
Ringwald, Eugene L., and Craig.
Ringwald, Eugene L., and Ham.
Chenault, Harvey L.: *See*—
Kimmell, Garman O., and Chenault.
Chenault, Roy L., and G. E. Mohnkern, Oil City, Pa., assignors to United States Steel Company. Nitriding metallic surfaces. 2,596,981, May 20.
Chenette, Edmond Z. and J. C., Harlingen, Tex. Endless tread stair climbing truck. 2,620,041, Dec. 2.
Chenette, Joseph C.: *See*—
Chenette, Edmond Z. and J. C.
Cheney, Charles W., Hockley, Birmingham, England. Fastening for containers, cases, bags, and the like. 2,599,372, June 3.
Cheney, Harry A., Berkeley, and J. H. Raley, Walnut Creek, assignors to Shell Development Company, San Francisco, Calif. Separation of hydrogen halides from olefinically unsaturated compounds. 2,587,595, Mar. 4.
Cheney, Lee C., Fayetteville, assignor to Bristol Laboratories Inc., New York, N. Y. Penicillin salts of amines derived from rosin. 2,585,436, Feb. 12.
Cheney, Leroy K., Lansing, Ill., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of oil shale. 2,609,331, Sept. 2.
Cheney, Leslie W., North Attleboro, Mass., assignor to Swank, Inc. Ornament mounting device. 2,584,185, Feb. 5.
Cheney, Raymond E.: *See*—
Gardinor, Elliott W., Cheney, and Bleuer.
Chenicek, Albert G.: *See*—
Rowland, Charles W., and Chenicek.
Chenicek, Joseph A., Bensenville, assignor to Universal Oil Products Company, Chicago, Ill. Soot removal compositions. 2,610,112, Sept. 9.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of selective olefinic polymers. 2,614,137, Oct. 14.
Chenicek, Joseph A., Bensenville, and W. K. T. Gleim, Orland Park, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of crops. 2,599,810, June 10.
Chenicek, Joseph A., Bensenville, and K. M. Brown, Hinsdale, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon distillates. 2,616,833, Nov. 4.
Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.
Cherek, Mike, Hatley, Wis. Tractor power take-off. 2,592,008, Apr. 8.
Cherepow, Frederic H., and G. W. Forcey, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Cheese package. 2,606,120, Aug. 5.
Cherewick, Frederick J., Vancouver, British Columbia, Canada. Air flow conveyer. 2,614,892, Oct. 21.
Chermendy, Carl V., Elkhorn, Wis. Circuit breaker. 2,623,131, Dec. 23.
Cherniavsky, Alexander J., San Francisco, and D. Brown, Mill Valley, assignors to Shell Development Company, San Francisco, Calif. Production of methallyl chloride. 2,612,530, Sept. 30.
Cherniss, Peter, assignee: *See*—
Gibbons, Wayne.
Chernosky, Allen A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Low-frequency vibrational pickup. 2,600,967, June 17.
Cherry-Burrell Corporation, assignee: *See*—
Dalzell, Charles B.
Lippold, Adolph J.
Newhall, Benjamin G.
Rishol, Alfred H., Weinreich, and Burrell.
Cherry, Frank: *See*—
Meyer, Maximilian C., and Cherry.
Cherry, Robert H.: *See*—
Foley, Gerard M., and Cherry.
Cherry, William H., Princeton, N. J., assignor to Radio Corporation of America. Electronic tube and circuits. 2,621,308, Dec. 9.
Chervenka, George R., St. Louis, and R. E. Kane, Glendale, assignors to The Medart Company, St. Louis, Mo. Electrically operated signboard. 2,623,111, Dec. 23.
Chesak, Frank W., Woodside, N. Y. Key holder. 2,607,210, Aug. 19.
Chesick, Sanford C., Hartford, Conn. Accessory for use with telephones. 2,595,054, Apr. 29.
Chesire Mailing Machines, Inc., assignee: *See*—
Ridenour, Wayne F.
Chessrown, James D., Youngstown, Ohio. Dental chair light with switch on headrest support. 2,583,817, Jan. 29.
Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electrodeposition of arsenic. 2,606,147, Aug. 5.
Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating of zinc and electrolyte therefor. 2,614,975, Oct. 21.
Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Reaction product of thiourea, an aldonic acid and zinc oxide. 2,615,030, Oct. 21.
Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Bonding vitreous enamels. 2,615,836, Oct. 28.
Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Electroplating copper. 2,582,233, Jan. 15.
Chester, Allan E., Highland Park, and C. L. Ricketts, assignors to Poor & Company, Chicago, Ill. Abrasive lime bar. 2,606,829, Aug. 12.
Chester, Carroll W., Los Angeles, Calif. Exhaust pipe extension of deflector form. 2,587,115, Feb. 26.
Chester, Frank R., Santa Monica, Calif. Garbage disposal apparatus. 2,583,997, Jan. 29.
Chester Heater Manufacturing Co., The, assignee: *See*—
Smithisler, Raymond J.
Chester-Jensen Company, assignee: *See*—
Cornell, Fritz G., Jr.
Chestnut Farms-Chevy Chase Dairy Company, assignee: *See*—
Powell, Charles K.
Chestnut, John D., assignee: *See*—
Spencer, Lloyd.
Chesus, Frank O.: *See*—
Richardson, Avery G., and Chesus.
Chevreau, René L. P. M., Paris, and P. J. Deville, Vanves, France. Wind motor. 2,622,686, Dec. 23.
Chevrier, Eugene M., Montrouge, France. Pressing blanks of molded pulp. 2,611,154, Sept. 23.
Chew, Wilson W., Barrington, R. I. Lubricant distribution system. 2,622,698, Dec. 23.
Chiaberta, Giovanni, assignor to Bolloneria E. Viteria Italiana S. A. R. L. "B. E. V. I.," Milan, Italy. Automatic charging and conveying device. 2,598,973, June 3.
Chicago Aerial Survey Company, assignee: *See*—
Miles, John R.
Chicago Blower Corporation, assignee: *See*—
Gohl, Fred H.
Chicago Bridge & Iron Company, assignee: *See*—
Allen, John W.
Boardman, Harry C.
Busse, Wilbur E., and Orr.
Fraser, Edward S., and Orr.
Goldsby, Fred L., and Orr.
Hunt, James L.
Merriam, Charles J.
Moyer, Frederick D.
Moyer, Frederick D., and Zick.
Orr, Clifford M., and Goldsby.
Pogue, Robert H.
Wissmiller, Ivan L.
Chicago Carton Company, assignee: *See*—
Richardson, Ralph R., and Coy.
Watson, Nathan J., and Roche.
Chicago Coin Machine Company, assignee: *See*—
Koci, Jerry C.
Chicago Development Corporation, assignee: *See*—
Dean, Reginald S.
Chicago Die Casting Manufacturing Company, assignee: *See*—
Koch, Paul F.
Chicago Electric Manufacturing Company, assignee: *See*—
Gough, James J.
Se Bastian, Ford.
Chicago Endocrine Research Company, assignee: *See*—
Richardson, Garwood C., and Rapp.
Chicago Eye Shield Company, assignee: *See*—
Malcolm, Robert, Jr.
Chicago Forging and Manufacturing Company, assignee: *See*—
Hynes, Dibrell P.

Chicago Hardware Foundry Company, The, assignee: *See*—
Oliver, Conrad J., and Kupski.
Chicago Lock Company, assignee: *See*—
Blohm, Oscar A.
Chicago Metal Hose Corporation, assignee: *See*—
Andersen, Raymond C.
Lindsay, Robert M., and Randazzo.
Chicago Metallic Manufacturing Company, assignee: *See*—
Fredrickson, Robert I.
Chicago Mill and Lumber Company, assignee: *See*—
Ware, Richard N., Jr., and Cannon.
Chicago Pneumatic Tool Company, assignee: *See*—
D'Haem, Marcel P.
Fischer, Howard R.
Fischer, Howard R., and Roberts.
Fossum, Henry O.
Maurer, Spencer B., and Ebert.
O'Farrell, Matthew.
Roberts, James A., Fischer, and D'Haem.
Chicago Pump Company, assignee: *See*—
Lamb, Miles A.
Morgan, Philip F., Tapleshay, and Thayer.
Chicago Railway Equipment Company, assignee: *See*—
Busse, Edwin G.
Spaeth, Irvin J.
Chicago Rawhide Manufacturing Company, assignee: *See*—
Krug, Louis G.
Sefren, John H.
Ullman, Stuart E.
Vedovell, Rudolph J.
Chicago Show Printing Co., assignee: *See*—
Leander, Russell J.
Chicago Specialty Mfg. Co. Inc., assignee: *See*—
Bachli, Herman, and Shapiro.
Chicago Telephone Supply Corporation, assignee: *See*—
Rudd, Wilbert H.
Bush, Wilkie L., and Veatch.
Chicago White Metal Products, Inc., assignee: *See*—
Gordon, Alred L.
Chieglo, John, Pottstown, Pa. Seal cutter. 2,585,536, Feb. 12.
Chicoine, Fedora: *See*—
Connors, Gerald, and Chicoine.
Chicopee Manufacturing Corporation, assignee: *See*—
Gannon, John J.
Kennette, Heath O.
Rohs, Joseph F., and Davidson.
Chiddix, Max E., Phillipsburg, and J. M. Cross, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Bisulfite addition to tri-2-ethylbutyl ester of aconitic acid. 2,619,500, Nov. 25.
Chidsey, Francis A., Jr., Ithan, Pa., assignor to Container Corporation of America, Chicago, Ill. Packaging articles in handled carriers. 2,603,923, July 22.
Chiego, Bernard, Newark, N. J., assignor of sixteen and two-thirds per cent to F. Gardner, Baltimore, Md., and fifty per cent to E. D. Pratt, New York, N. Y. Preparing a soluble protein from keratinaceous materials. 2,597,566, May 20.
Chiego, Bernard, Newark, N. J., assignor of ten per cent to F. Gardner, Baltimore, Md., and eighty per cent to A. D. T. Libby, Newark, N. J. Composition for fabricating paper and making it. 2,614,924, Oct. 21.
Chiffelle, Eugène A., Besancon, France. Watch winding and setting mechanism. 2,589,052, Mar. 11.
Chiksan Company, assignee: *See*—
Jackson, Donald M.
Parmesan, Daniel J.
Chilcote, Wilbur B.: *See*—
Proell, Wayne A., and Chilcote.
Proell, Wayne A., Chilcote, and Shoemaker.
Warren, Doyle C.
Chilcote, Wilbur B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Production of thiasuccinic acid derivatives. 2,581,514, Jan. 8.
Child, Lachlan W., Detroit, assignor to Evans Products Company, Plymouth, Mich. Vehicle heating apparatus. 2,610,798, Sept. 16.
Childers, Fred C., Sr., West Monroe, La. Lineman's belt. 2,601,589, June 24.
Childers, Harry S., assignor to Vendorlater Manufacturing Company, Fresno, Calif. Retainer for vendable merchandise. 2,597,290, May 20.
Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Coin controlled vending machine. 2,610,100, Sept. 9.
Childers Manufacturing Co., assignee: *See*—
Childers, Robert A., and Miller.
Childers, Robert A., and C. C. Miller, assignors to Childers Manufacturing Co., Houston, Tex. Awning construction. 2,618,030, Nov. 18.
Children's Hospital of Philadelphia, assignee: *See*—
Gibbon, Samuel Y.
Grieb, Benjamin C.
McPherson, John B.
Childress, Herman L., Jr.: *See*—
Elwell, William E., and Childress.
Childress, Horace R., Dallas, Tex. Aircraft engine mounting. 2,589,539, Mar. 18.
Childress, Olven W., Jr.: *See*—
Foust, Floyd J., Childress, Crim, and Thompson.
Childress, William C., Oak Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Tensioning tool. 2,621,893, Dec. 16.
Childress, William C., Oak Park, and A. I. Ericsson, assignors to Signode Steel Strapping Company, Chicago, Ill. Strapping machine. 2,594,397, Apr. 29.
Chillson, Charles W.: *See*—
Tiedeman, Robert K., Mergen, and Chillson.
Chillson, Charles W., Caldwell, and W. E. Brigham, Jr., Packanack Lake, N. J., assignors to Curtiss-Wright Corporation. Deicing system for propellers. 2,592,118, Apr. 8.
Chillson, Charles W., Caldwell, and J. R. Schoenbaum, Roseland, N. J., assignors to Curtiss-Wright Corporation. Aircraft propeller control system. 2,619,183, Nov. 25.
Chilowsky, Constantin, assignor to Technical Assets, Inc., New York, N. Y. Method and apparatus for refrigeration. 2,589,775, Mar. 18.
Chilowsky, Constantin, assignor to Technical Assets, Inc., New York, N. Y. Thermomagnetic generator and refrigerator. 2,619,603, Nov. 25.
Chilowsky, Constantin, New York, N. Y. Apparatus for manufacture of piezoelectric elements. 2,621,624, Dec. 16.
Chilton, Allan, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Turbine mechanism for driving the fuel pumps of rockets. 2,585,626, Feb. 12.
Chilton, Allan, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Aircraft engine. 2,592,119, Apr. 8.
Chilton, Allan, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Power plant, including an internal combustion engine having exhaust turbine means drivably connected thereto. 2,607,189, Aug. 19.
Chilton, Ralph H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Nonmetallic mounting strip. 2,623,250, Dec. 30.
Chilton, Roland, Glen Rock, N. J. Automatic transmission control. 2,590,231, Mar. 25.
Chilton, Roland, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Multispeed transmission and automatic transmission control. 2,590,232, Mar. 25.
Chilton, Roland, Glen Rock, N. J. Automatic adjusting tappet. 2,597,618, May 20.
Chilton, Roland, Glen Rock, N. J., assignor to Curtiss-Wright Corporation. Fluid motor or compressor. 2,603,412, July 15.
Chilton, Roland, Glen Rock, N. J., assignor to Curtiss-Wright Corporation. Universal joint. 2,608,839, Sept. 2.
Chilton, Roland, Glen Rock, N. J., assignor to Curtiss-Wright Corporation. Centrifugal clutch. 2,613,784, Oct. 14.
Chin, Pao H.: *See*—
Knauth, Berthold A., and Chin.
Chiodo, Phillip W., Niagara Falls, N. Y. Baseball and miniature golf apparatus. 2,618,483, Nov. 18.
Chiotte, John E., Peoria, Ill. Truck mounted generator system. 2,606,624, Aug. 12.
Chipley, Alfred S., Mundelein, assignor to Burgess-Manning Company, Libertyville, Ill. Inertial air cleaner and silencer. 2,580,655, Jan. 1.
Chipp, Rodney D., U. S. Navy, Washington, D. C. Radar target indicating system for fire control. 2,603,775, July 15.
Chirana, Narodoni P., assignee: *See*—
Dvořák, Alois.
Chireix, Henri, Paris, France, assignor to Societe Française Radio-Electrique. Self-identifying reflecting radio beacon. 2,582,310, Jan. 15.
Chireix, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Motor speed control mechanism. 2,593,656, Apr. 22.
Chireix, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Phase modulation apparatus. 2,614,245, Oct. 14.
Chireix, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Arrangement for converting frequency-modulated waves. 2,620,468, Dec. 2.
Chireix, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Plural modulation multiplex system. 2,621,325, Dec. 9.
Chisholm, Allen E., and J. V. Hamar, Portland, Oreg., said Hamar assignor to said Chisholm. Wind direction and velocity signaling. 2,612,043, Sept. 30.
Chisholm, Harold K., assignee: *See*—
Caldwell, Byrt C.
Chisholm, Harry L., Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Foot valve structure for telescopic shock absorbers. 2,596,982, May 20.
Chisholm, Harry L., Jr., G. Farrell, and B. E. O'Connor, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic steering motor and shimmy dampener. 2,589,341, Mar. 18.
Chisholm, Laurence A., assignor of fifty per cent to H. E. Hale, Cut Bank, Mont. Electric rocking cradle. 2,617,122, Nov. 11.
Chisholm, Robert D., Morristown, and W. C. Fest, Rancocas Heights, N. J., dedicated to the free use of the people in the territory of the United States. Insecticide disperser. 2,610,433, Sept. 16.

Chisholm-Ryder Company, Incorporated, assignee: *See*—
Beehler, Paul C., Jr.
Carson, Robert H.
Chisholm-Ryder Company of Pennsylvania, assignee: *See*—
Van Buren, John.
Chittick, C. Yardley, assignee: *See*—
Bingham, Herbert B.
Chittum, Joseph F., Whittier, assignor to California Research Corporation, San Francisco, Calif. Scale prevention in oil wells. 2,592,511, Apr. 8.
Chitwood, Henry C., J. T. Fitzpatrick, G. W. Fowler, and B. T. Freure, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Nickel-copper-chromia-alkali metal sulfate catalysts and its preparation. 2,588,359, Mar. 11.
Chivers & Sons Limited, assignee: *See*—
Baker, George L., and Olliver.
Chiville, Leslie L., Jr., Carpentersville, Ill. Hydraulic transmission. 2,619,850, Dec. 2.
Chloride Electrical Storage Company Limited, The, assignee: *See*—,
Bloomfield, George V.
Brown, Harold G.
Chluda, John, Cleveland, Ohio. Container with bodily slidable closure. 2,606,692, Aug. 12.
Chmelař, Václav, assignor to Baťa, narodni podnik, Zlin, Czechoslovakia. Feeding mechanism for nailing machines. 2,611,896, Sept. 30.
Chmielewski, Catherine A., Trenton, N. J. Pie plate. 2,584,379, Feb. 5.
Chmura, Theodore S., Chicopee, and G. B. Wood, Jr., assignors to American Bosch Corporation, Springfield, Mass. Fuel injection apparatus. 2,595,639, May 6.
Cho, Chi L., Zurich, Switzerland. Compound differential actuator and transfer mechanism. 2,623,695, Dec. 30.
Chodorow, Marvin, Kew Gardens, N. Y., assignor to The Sperry Corporation. Ultrahigh-frequency electron discharge tube apparatus. 2,617,071, Nov. 4.
Chorpening, Creed M., Conneaut, and L. E. Hadlock, Kingsville, assignors to The Astatic Corporation, Conneaut, Ohio. Transducer stylus and holder. 2,601,988, July 1.
Chouinard, Alfred F., assignor to National Cylinder Gas Company, Chicago, Ill. Automatic alternating current arc welding system. 2,602,870, July 8.
Chouinard, Alfred F., and M. A. Tylutki, assignors to National Cylinder Gas Company, Chicago, Ill. Valved construction for torch handles and making the same. 2,587,821, Mar. 4.
Chouinard, Alfred F., and J. F. Dove, assignors to National Cylinder Gas Company, Chicago, Ill. Flux powder control for flame cutting. 2,622,548, Dec. 23.
Chouljian, Haratoun T., Brighton, assignor to Raytheon Manufacturing Company, Newton, Mass. Guiding device for contact leads of electrical elements under test. 2,606,228, Aug. 5.
Chovenec, Paul, Detroit, Mich. Refrigerator display cabinet. 2,610,473, Sept. 16.
Chrastina, John, Decatur, Ill. Illuminated cabinet with rotatable means for advertising display. 2,600,157, June 10.
Chrigström, Knut V., Hammarbyhojden, Sweden. Guide for hypodermic syringes. 2,608,972, Sept. 2.
Chrisler, Willard L.: *See*—
Marsh, Frank L., Koehler, and Chrisler.
Chrisman, John A., Warsaw, Ind. Handle grip. 2,621,358, Dec. 16.
Chrisman, Joseph: *See*—
Graham, William R., Jr., and Chrisman.
Christ, William E., Hempstead, N. Y. Starting gate. 2,613,638, Oct. 14.
Christ, William E., Hempstead, N. Y. Starting gate. 2,613,639, Oct. 14.
Christen, Albert, Geneva, Switzerland, assignor to E. C. I. Handels und Industrie Anstalt Etablissement du Commerce et de l'Industrie, Vaduz, Lietchtenstein, Perfume atomizer. 2,623,784, Dec. 30.
Christen, Ernst, Kriens, Switzerland. Aligning instrument for printing structures. 2,621,411, Dec. 16.
Christensen, Alfred, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric windshield wiper. 2,603,813, July 22.
Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Automatic shakeout device for tight flask molds. 2,600,206, June 10.
Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Cooling and conveying material. 2,607,199, Aug. 19.
Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Intensive mixing apparatus. 2,619,293, Nov. 25.
Christensen, Bette J., assignor to Jantzen Knitting Mills Inc., Portland, Oreg. Woman's garment. 2,613,357, Oct. 14.
Christensen, Carl O., Walnut Creek, assignor to Roll-Rite Corporation, Oakland, Calif. Lift truck accessory. 2,589,342, Mar. 18.
Christenson, Charles, Chicago, Ill. Saw blade. 2,603,251, July 15.
Christensen, Dusinus P., Aalborg, Denmark. Device for darning purposes. 2,586,302, Feb. 19.
Christensen, Frantz, Gentofte, Copenhagen, Denmark. Impulse generator. 2,622,136, Dec. 16.
Christensen, Hans, Rockaway, Oreg. Latch. 2,621,953, Dec. 16.
Christensen, Hans-Eric E.: *See*—
Soper, Guy E., and Christenson.
Christensen, Holger S., H. Otzen, M. Weitemeyer, and J. Andersen, Copenhagen, Denmark. Automatic material-weighing machine. 2,620,154, Dec. 2.
Christensen, John W., Forest Hills, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television synchronizing. 2,618,701, Nov. 18.
Christensen, Kay, assignee: *See*—
Maroth, Arthur M.
Christensen, Leo M., assignor, by mesne assignments, to Gateway Chemurgic Company, Lincoln, Nebr. Treating gluten-bearing starchy material. 2,583,684, Jan. 29.
Christensen, Leo M., Lincoln, Nebr., and L. A. Underkofler, Ames, Iowa. Processing of grains for the production of alcohol. 2,584,258, Feb. 5.
Christensen Machine Company, The, assignee: *See*—
Belluche, Elmer W.
Belluche, Frank R.
Watson, George F.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,609,770, Sept. 9.
Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Electric switch. 2,596,983, May 20.
Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Mechanism for adjusting electric devices in enclosures therefor. 2,599,695, June 10.
Christensen, Sabinus H., Boston, Mass., assignor to Carrier Corporation, Syracuse, N. Y. Gaseous flow regulator. 2,614,747, Oct. 21.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Closed goggles structure. 2,612,639, Oct. 7.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Cold Weather goggles. 2,615,162, Oct. 28.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Closed goggles structure. 2,617,099, Nov. 11.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Goggles structure. 2,618,782, Nov. 25.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Goggles structure. 2,619,642, Dec. 2.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Cold weather goggles. 2,619,643, Dec. 2.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Cold weather goggles. 2,619,644, Dec. 2.
Christenson, Roger M., and R. E. Harpt, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Preparation of wool grease unsaponifiable matter. 2,619,495, Nov. 25.
Christi, Hugh, assignee: *See*—
McGill, Dennis M.
Christian, Alfred R., River Forest, Ill. Structural element for caskets. 2,618,835, Nov. 25.
Christian, Donald C., and R. M. Reed, assignors to The Girdler Corporation, Louisville, Ky. Process for production of hydrogen and carbon dioxide. 2,602,020, July 1.
Christian, John R., Boston, Mass. Air actuated raging game apparatus. 2,603,488, July 15.
Christian, Joseph D., San Francisco, Calif. Cooling off of sand and gravel. 2,585,739, Feb. 12.
Christian, Joseph D., San Francisco, Calif., assignor to The American Pulley Company, Philadelphia, Pa. Combined shaft journal and drive unit. 2,612,788, Oct. 7.
Christian, Lowell, Jr., Indianapolis, Ind. Protective composition for razor blades. 2,605,189, July 29.
Christian, Otto R., Kansas City, Mo. Drum and cymbal beating device. 2,581,515, Jan. 8.
Christian, Raymond A., J. R. Ganger and H. F. Lang, assignors to The National Cash Register Company, Dayton, Ohio. Record controlling means for accounting machines. 2,597,973, May 27.
Christian, Schuyler M., Princeton, N. J., assignor to Radio Corporation of America. Radiation intensity metering system. 2,610,302, Sept. 9.
Christiansen, Andrew L., Compton, Calif. Fish grading apparatus. 2,582,007, Jan. 8.
Christiansen, Andrew L., Compton, Calif. Fish cutting and cleaning machine. 2,599,694, June 10.
Christiansen, Andrew L., Compton, Calif. Fish directing machine. 2,602,183, July 8.
Christiansen, Christian, St. Cloud, Minn. Grappling attachment for loaders and stackers. 2,620,935, Dec. 9.
Christiansen, Christian, L. Froen, and G. O. K. Rlisch, Mandal, Norway. Tensioning device for the warp threads in circular looms. 2,603,240, July 15.
Christiansen, Nels M.: *See*—
Magnuson, Raymond A., and Christiansen.
Christianson, Carl-Otto, Goteborg, Sweden. Device for changing bobbins in spinning machines. 2,612,744, Oct. 7.

Christianson, Louis W.: *See*—
Gittings, William L., Christianson, and Johnson.
Christie, Bernard A., assignor to Harris & Tyler Limited, London, England. Chair having a suspended seat and back resiliently supported at its lower end. 2,616,484, Nov. 4.
Christie, Chester D., South Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Engine governor control means. 2,612,965, Oct. 7.
Christie, Cleve F., Knoxville, Tenn. Antifouling anchor. 2,591,236, Apr. 1.
Christie, Cleve F., assignor of ten per cent to D. A. Harrison, Knoxville, Tenn. Antifouling anchor. 2,606,518, Aug. 12.
Christie, Cornelius W., and E. Epstein, Grand Rapids, Mich. Cabinet having movable storage container. 2,617,700, Nov. 11.
Christie, John E., Arlington, Va. Wheel for tank structures. 2,599,233, June 3.
Christie, Reginald A., Ancaster, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Safety device for trail-behind agricultural implements. 2,617,345, Nov. 11.
Christie, Robert E., Glenboro, Manitoba, Canada. Electric motor mount. 2,601,431, June 24.
Christie, Robert K., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug cleaning apparatus. 2,609,827, Sept. 9.
Christie, Soren L., Los Angeles, Calif., assignor to McColpin-Christie Corp. Battery testing apparatus and method. 2,613,248, Oct. 7.
Christine Association, Inc., assignee: *See*—
Clarke, Vernie E.
Christman, John M.: *See*—
Reaser, William A., Ziems, and Christman.
Christman, Peter J., Green Bay, Wis. Winding apparatus. 2,585,226, Feb. 12.
Christman, Peter J., Green Bay, Wis. Winding apparatus. 2,585,227, Feb. 12.
Christmann, John L., Passaic, N. J. Gear transmission system. 2,615,341, Oct. 28.
Christophersen, Clarence E., assignor to Marman Products Company, Inc., Inglewood, Calif. Container closure. 2,607,383, Aug. 19.
Christophersen, Clarence E., assignor to Marman Products Company, Inc., Inglewood, Calif. Axially tightening clamp. 2,616,644, Nov. 4.
Christopoulos, Telemachus G., Lynn Haven, Va. Toe spacing device. 2,595,640, May 6.
Christy, Roland: *See*—
Clark, John R., and Christy.
Chromatic Television Laboratories, Inc., assignee: *See*—
Lawrence, Ernest O.
Chromy, Ben J., assignee: *See*—
Schiavone, Edward L.
Chrosnik, Arthur, Chicago, Ill. Awning. 2,597,225, May 20.
Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Borden, David M., and Nims.
Breer, Carl.
Butterfield, John P.
Collier, John E.
Dickson, John B.
Dudley, John C.
Dunn, William T.
Edwards, Franklin W
Fodermaier, John J., Jr.
Forman, Louis B.
Gale, Andrew T.
Gardiner, Frank J.
Gilfillan, Henry W.
Glassford, Fred.
Gleason, Thomas C.
Haensler, Roy C.
Herreshoff, Alexander G.
Hexel, Leopold J.
Higbie, Alan L.
Higbie, Alan L., and Stamm.
Jackman, Richard L.
Jandasek, Joseph
Janeway, Robert N.
Jones, Edwin A.
Keller, Kaufman T.
Kilgour, Thomas R.
Koskinen, Olavi M.
Lemon, Joseph R.
Letts, John B.
Loofbourrow, Alan G.
Mason, Frederick H.
Maurer, Edwin R.
McCain, George L.
Miers, Archie M.
Mulhern, William A.
Neracher, Carl A., and Dunn.
Newby, Charles A., and Steinbrecher.
Newton, Alwin B.
Nims, Paul T.
Nims, Paul T., and Chadkewicz.
Rakas, Nicholas J.
Reynolds, Donald F.
Robinson, Maurice C.
Rodger, Robert M.
Sackett, Loren C., Miller, and Kelto.
Chrysler Corporation, assignee: *See*—Continued.
Sarto, Jorma O.
Schotz, Otto W.
Slemmons, Arthur J.
Smila, Wallace H.
Smith, Herman W., and Jackson.
Smith, Robert F.
Staley, Allen C.
Syrovy, Augustin J.
Syrovy, Augustin J., Dunn, and Iavelli.
Terry, Sydney L.
Thomas, Ulysses L.
Toot, David F.
Twiss, Sumner B., and Sporzynski.
Utz, Chester C.
Vogt, Paul R., and Jacob.
Vogt, Paul R., and Nims.
Wallace, David A.
Williams, Burdell S.
Williams, Samuel B.
Wyckoff, Paul W.
Wyeth, Nathaniel.
Zeeb, Elmer G.
Chrystal, John, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Breaker bar screen means for rigid hammer rotary impact crushers. 2,618,438, Nov. 18.
Chrzanowski, Roman H., assignor to Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y. Thixotropic gel for preserving wood. 2,599,373, June 3.
Chu, Chi C., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Checking means for wayside train control inductors. 2,617,921, Nov. 11.
Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. H-plane horn. 2,599,895, June 10.
Chu, Lan J., Brookline, and W. O. Smith, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,594,871, Apr. 29.
Chubb, Loyde N.: *See*—
Olofsson, Gustav A., and Chubb.
Chun, Melvin E., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Calibration unit for cathode-ray tubes. 2,583,469, Jan. 22.
Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Work holding chuck. 2,582,680, Jan. 15.
Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Power actuated chuck. 2,590,509, Mar. 25.
Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Pneumatic collet chuck closer. 2,620,196, Dec. 2.
Church, Franklin O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire gauge. 2,600,847, June 17.
Church, James M.: *See*—
Johnson, Ernest W., and Church.
Church, James M., Tenafly, and E. W. Johnson, Mountainside, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Stabilized chlorinated paraffins. 2,580,730, Jan. 1.
Church, James M., Tenafly, E. W. Johnson, Mountainside, and H. E. Ramsden, New Brunswick, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Organotin compounds and compositions containing the same. 2,591,675, Apr. 8.
Church, James M., Tenafly, E. W. Johnson, Mountainside, and H. E. Ramsden, Metuchen, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Organotin compounds and compositions containing the same. 2,593,267, Apr. 15.
Church, Mary, Cambridge, Mass. Graphic method of teaching music. 2,600,968, June 17.
Church, Raymond A.: *See*—
Aukers, Albert J., and Church.
Church, Walter L., Houston, Tex. Side wall coring tool. 2,611,582, Sept. 23.
Church, Walter L., Houston, Tex. Tong. 2,612,066, Sept. 30.
Church, Walter L., Flint, and W. A. Bychinsky, Ann Arbor, assignors to General Motors Corporation, Detroit, Mich. Glow plug ignition system. 2,606,544, Aug. 12.
Church, William H., Jersey City, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Shutdown seal control for elastic fluid compressors. 2,602,680, July 8.
Church, William H., Jersey City, and M. Haeberlein, Maplewood, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Tempering means for shielding the bearings of centrifugal compressors. 2,604,257, July 22.
Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Leaf spring. 2,621,921, Dec. 16.
Churchill, Harold E., and W. A. Hasbany, assignors to The Studebaker Corporation, South Bend, Ind. Torque converter and lockup means therefor. 2,597,921, May 27.

Churchill, Henry W. S., and C. S. Schofield, London, England. Dispenser for an inverted container with means for locking said container thereto and a self-closing outlet element. 2,605,021, July 29.

Churchill, Leonard R., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating compositions. 2,614,078, Oct. 14.

Churchill, Murray V., Alexandria, Va. Conveyer belt for cartridge belting machines. 2,619,000, Nov. 25.

Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Molding fastener. 2,610,375, Sept. 16.

Churchman, Edwin T., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Fastening device. 2,615,362, Oct. 28.

Chvilicek, Vladimir L., Racine, Wis. Attachment for portable typewriters. 2,596,652, May 13.

Ciampa, Lincoln L.: *See*—
Martial, Jacques, and Ciampa.

Ciancio, Charles J., Denver, Colo. Tractor hitch for farm machinery. 2,620,716, Dec. 9.

Ciapetta, Frank G., Llanerch Hills, and W. H. Buck, assignors to The Atlantic Refining Company, Philadelphia, Pa. Silica-alumina-group VIII metal catalyst. 2,589,189, Mar. 11.

Ciaramella, Anthony F., New York, N. Y. Collapsible chair-stick. 2,615,494, Oct. 28.

Ciarlini, Luigi, Rome, Italy. Reinforced concrete column, bracket, and beam joint. 2,618,146, Nov. 18.

Ciba Limited, assignee: *See*—
Ackermann, Franz.
Albrecht, Otto.
Albrecht, Otto, and Maeder.
Anderau, Walter.
Graenacher, Charles, and Bruengger.
Graenacher, Charles, Siegrist, and Bruengger.
Gorssmann, Paul.
Jenny, Walter, and Kern.
Kern, Walter, Sutter, and Holbor.
Maeder, Arthur.
Meier, Erwin.
Menzi, Karl.
Meyer, Jules.
Moergeli, Eduard.
Moser, Eduard.
Mueller, Willy.
Mueller, Willy, and Schmid.
Pieth, Peter.
Riat, Henri, Anderau, Wagmann, Mayer, and Menzi.
Riat, Henri, and Mayer.
Schibler, Luzius.
Schmid, Max, Danuser, Johner, Moser, and Wuergler.
Schmid, Max, and Moser.
Sutter, Paul, and Kern.
Widmer, Willi, Schuetz, and Heckendorn.
Widmer, Willy, Reich, and Buehler.
Widmer, Willy, and Brassel.
Widmer, Willy, and Buehler.
Widmer, Willy, Buehler, and Roesti.
Widmer, Willy, and Fasciati.
Widmer, Willy, Fasciati, and Reich.
Widmer, Willy, and Reich.
Wittwer, Robert.

Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Druey, Jean, and Schmidt.
Hartmann, Max, and Bosshard.
Hoffman, Karl, and Spillman.
Hoffmann, Karl, and Tagmann.
Isler, Hans, and Huenl.
Meystre, Charles, and Wettstein.
Miescher, Karl, and Anner.
Miescher, Karl, and Billeter.
Miescher, Karl, Ehmann, and Wettstein.
Miescher, Karl, Heer, Billeter, and Anner.
Miescher, Karl, and Marxer.
Miescher, Karl, and Meystre.
Miescher, Karl, and Urech.
Miescher, Karl, and Wieland.
Plattner, Placidus.
Plattner, Placidus A.
Wettstein, Albert, and Meystre.

Ciba Products Corporation, assignee: *See*—
Gretener, Edgar.

Ciblé, Pierre, Paris, France. Combined cigarette case and lighter. 2,604,982, July 29.

Ciblé, Pierre, Paris, France. Headlight mounting and adjusting arrangement. 2,608,642, Aug. 26.

Ciborowski, Frank, Worcester, Mass. Sprocket chain transmission. 2,620,677, Dec. 9.

Ciborowski, Frank, Worcester, Mass. Tire chain. 2,620,843, Dec. 9.

Ciborski, John M.: *See*—
Hack, Carl H., and Ciborski.

Cicalese, Michael J., Forest Hills, assignor to Hydrocarbon Research, Inc., New York, N. Y. Production of oxygen by rectification of air involving precooling the air. 2,584,985, Feb. 12.

Ciccone, Emidio: *See*—
Hladky, Walter, and Ciccone.

Cicero, William, St. Paul, Minn. Sandbag. 2,616,467, Nov. 4.

Cich, Albert J., assignor to Elrae Pressed Metals, Inc., Buffalo, N. Y. Chain guard. 2,584,788, Feb. 5.

Cichelli, Mario T.: *See*—
Bowman, John R., and Cichelli.

Ciciva, John H., Hohokus, N. J. Clamp and pin tenter clip. 2,584,553, Feb. 5.

Cier, Harry E., Crosby, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of synthetic hydrocarbons. 2,615,910, Oct. 28.

Cierley, Jack O., Seattle, Wash. Device for slicing dough. 2,592,657, Apr. 15.

Cieslik, Peter P., Detroit, Mich. Fish bait. 2,589,343, Mar. 18.

Ciferri, Pietro, Genoa, Italy. Production of refractory siliceous material and products thereof or therewith obtained. 2,617,736, Nov. 11.

Cihlar, Joseph W., Sturgeon Bay, Wis. Pallet adapter unit for block molding machines. 2,583,818, Jan. 29.

Cillié, Charl D.: *See*—
Cooper, Benjamin, and Cillié.

Cinch Manufacturing Corporation, assignee: *See*—
Del Camp, Sciplone M.

Cincinnati Coffin Co., assignee: *See*—
Woltering, Alphonse J.

Cincinnati Industries, Inc., assignee: *See*—
Rowe, William W.
Rowe, William W., Spangler, and Frick.

Cincinnati Milling Machine Co., The, assignee: *See*—
Adams, Robert R., and Wortendyke.
Boehm, Carl A.
Cox, Walter A.
Dall, Albert H.
Evans, Wendell I.
Haas, Frederick S., and Trible.
Martellotti, Mario.
Mathews, Jack S.
Raehrs, Emery C.
Roehm, Erwin G.
Roehm, Erwin G., and Fritschi.
Strauchen, David M., and Garvin.
Wortendyke, Raymond D.

Cincinnati Mine Machinery Company, The, assignee: *See*—
Bruestle, Armin O.

Cinecolor Corporation, assignee: *See*—
Gundelfinger, Alan M.

Cinema-Television Limited, assignee: *See*—
Buchanan, William H.
Freeman, George S. P.
Graham, George E. G.
Nuttall, Thomas C.

Cines, Martin R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of sulfur compounds from hydrocarbons. 2,602,093, July 1.

Cino-Lite Business Trust, assignee: *See*—
Peterson, Vernon A.

Cintron, Juan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Gear pump. 2,601,004, June 17.

Cipriani, Chester, Toledo, Ohio. Spark plug construction. 2,620,784, Dec. 9.

Ciraolo, Samuel, Modesto, Calif. Uncaser device. 2,611,494, Sept. 23.

Circle, Sidney J.: *See*—
Julian, Percy L., Circle, and MacDonald.

Circular Banding Co., The, assignee: *See*—
Briscoe, Madison H.

Ciroli, Anthony J., Medford, and P. J. Cannata, Boston, Mass. Yarn design forming tool. 2,611,947, Sept. 30.

Cisco, Edward S., Highland, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Hatch skirt and insulation pan support. 2,613,616, Oct. 14.

Cisi, Louis, Cliffside Park, and W. Dippel, Clifton, N. J. Display device. 2,598,890, June 3.

Cissell, W. M., Manufacturing Co., Inc., assignee: *See*—
Richterkessing, Frank H., and Hargadon.

Cities Service Oil Company, assignee: *See*—
Greenwald, Bertrand W., and Hughes.
Hughes, William B.
Malm, Ignace L.
Moyer, Melvin L., and Hersh.
Newcombe, Jack.

Cities Service Refining Corp., assignee: *See*—
Cool, Ralph H.

Cities Service Research and Development Company, assignee: *See*—
Dermer, Otis C., and Hawkins.
Dermer, Otis C., and Nelson.
Merley, Sylvan R., and Kofoet.
Morgan, John D., and Lowe.

Citso, Steven J., Chicago, Ill. Window lock. 2,587,695, Mar. 4.

Citso, Steven J., Chicago, Ill. Detachable handle for shovels or the like. 2,614,879, Oct. 21.

City National Bank and Trust Company, administrator: *See*—
Gemmill, Clark H.

City National Bank and Trust Company of Chicago, trustee, assignee: *See*—
Frankel, Leo.

Cizmadia, Louis, and R. J. Muloit, Trenton, N. J. Apparatus for measuring the temperature of a moving surface. 2,618,672, Nov. 18.

Ckola Company, assignee: *See*—
Olson, Harry L.

Claassen, Howard H., and K. E. Beu, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fast X-ray diffraction camera. 2,585,740, Feb. 12.

Clack, Basil N., Wembley Park, England, assignor to General Electric Company. Sealed envelope and manufacture. 2,593,846, Apr. 22.

Clack, Robert W., Lafayette, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Welding device. 2,613,305, Oct. 7.

Clack, Thomas H., South Norwalk, Conn. Hand loom. 2,582,008, Jan. 8.

Claessen, Wilhelmus H. L., Edinhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube containing an alkaline metal. 2,615,140, Oct. 14.

Claesson, Karl E. L., Stockholm, K. B. Högberg, Helsingborg, Sweden, and E. T. Rosenberg, Lundtofte, Denmark, assignors to Aktiebolaget Leo, Helsingborg, Sweden. Purification of gonadotropic hormones with a basic protein. 2,603,585, July 15.

Claesson, Per H. E.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.
Vigren, Sten D., Freese, Claesson, and Åkesson.

Clague, James D., Livonia, and M. R. Anstice, Sr., Rochester, N. Y., assignors, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Dish flushing and washing device. 2,596,653, May 13.

Clair Manufacturing Company, Inc., assignee: *See*—
Burt, William C.

Clairmonte, Clive M.: *See*—
Clairmonte, Edward H. and C. M.

Clairmonte, Edward H. and C. M., London, England. Baby chair. 2,599,610, June 10.

Clampitt, Elmer, Indianapolis, Ind. Tape applicator. 2,607,508, Aug. 19.

Clanton, George V.: *See*—
Consolo, Michael D., and Clanton.

Clapham, Harry F., Wilmington, Del. Fabric wear tester. 2,590,839, Apr. 1.

Clapp, Charles W., Schenectady, N. Y., assignor to General Electric Company. Reactance tube circuit. 2,590,753, Mar. 25.

Clapp, Charles W., Schenectady, N. Y., assignor to General Electric Company. Electronic time delay circuit. 2,612,604, Sept. 30.

Clapp, George D., assignor to Leach Company, Oshkosh, Wis. Silo unloader. 2,595,333, May 6.

Clapp, George D., assignor to Leach Company, Oshkosh, Wis. Silo unloader. 2,615,594, Oct. 28.

Clapp, James W., Darien, and R. O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Benzothiazolesulfonamides and preparing the same. 2,595,334, May 6.

Clapp, James W., Darien, and R. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Heterocyclic sulfonamides and preparing the same. 2,603,649, July 15.

Clapp, Ralph E., Spokane, Wash. Tunnel lining form. 2,590,683, Mar. 25.

Clapp, Richard C., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Benzophenothiazine dyes and preparing the same. 2,607,774, Aug. 19.

Clapp, Richard G., Haverford, S. H. Colodny, and B. Wise, assignors to Philco Corporation, Philadelphia, Pa. Phased antenna array. 2,622,198, Dec. 16.

Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electromagnetic wave control structure. 2,597,144, May 20.

Clapper, Clyde E., Kansas City, Mo. Hot-air deflector for tractors. 2,584,329, Feb. 5.

Clapper, Clyde E., Kansas City, Mo. Adjustable umbrella support. 2,605,778, Aug. 5.

Clapper, Thomas W., Idaho Falls, Idaho, and R. C. Kinstler, South Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Isolation of piperazine. 2,622,084, Dec. 16.

Clapperton, George, assignor to Nuclotex Limited, Bolton, England. Carding engine with secondary taker-in. 2,600,969, June 17.

Claps, Carmine, Pleasantville, N. Y. Combined professional comb and scale. 2,622,603, Dec. 23.

Claps, Michael, Denver, Colo. Twin bushing puller. 2,609,597, Sept. 9.

Claps, Michael, assignor to H. D. Owen, Denver, Colo. Bushing puller. 2,618,053, Nov. 18.

Clarcq, Richard J., Jr., Rochester, and C. E. Ernst, Brighton, assignors to Gleason Works, Rochester, N. Y. Surface hardening machine. 2,617,643, Nov. 11.

Claridge Food Co. Inc., assignee: *See*—
Hoffman, Julian, and Gruff.

Claridge, Robert A.: *See*—
Davis, Harold C., and Claridge.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon synthesis catalyst. 2,583,254, Jan. 22.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Control of catalyst concentration. 2,583,255, Jan. 22.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,610,200, Sept. 9.

Clark, Alfred, and F. E. Condon, Bartlesville, Okla., assignors to Phillips Petroleum Company. Condensing lower alcohols to higher alcohols. 2,593,009, Apr. 15.

Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemingtog, N. J. Shoe sewing machine. 2,604,859, July 29.

Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread cutter for shoe sewing machines. 2,619,060, Nov. 25.

Clark, Antoine P., Wichita, Kans. Saw grinder. 2,608,110, Aug. 26.

Clark, Arthur E., Ferndale, Mich. Tool mount. 2,597,619, May 20.

Clark, Arthur R., assignee: *See*—
Clark, Margaret M.

Clark, Arthur W. S.: *See*—
Mackay, John D. McC., and Clark.

Clark Bros. Co., Inc., assignee: *See*—
Reeder, William H., III.
Trumpler, William E.

Clark, Carleton L., North Tarrytown, and C. Vicario, New York, assignors to The Rotareaed Corporation, Bronxville, N. Y. Deaerating a suspension of papermaking stock. 2,614,656, Oct. 21.

Clark, Cecilia G.: *See*—
McCormack, Thelma C., and Clark.

Clark, Charles A., Springfield, Mo. Artificial bait. 2,611,210, Sept. 23.

Clark, Charles T., assignor to United States Gypsum Company, Chicago, Ill. Set stabilized low consistency calcined gypsum product. 2,620,279, Dec. 2.

Clark, Charles W., Toronto, Ontario, and B. H. Morrison, Noranda, Quebec, assignors to Noranda Mines Limited, Toronto, Ontario, Canada. Rotary drum apparatus and means for preventing material being treated from accumulating thereon. 2,603,832, July 22.

Clark, Chester G., assignor to The Udylite Corporation, Detroit, Mich. Pusher aligning means for conveyers. 2,602,558, July 8.

Clark, Clyde C.: *See*—
Roush, Milton S., and Clark.

Clark Controller Company, The, assignee: *See*—
Few, William, and Sauter.
Few, William, Sauter, and Szabo.
Gauvreau, Alphonse P.
Ranson, Lloyd R.

Clark, Cornelius S., deceased, Norfolk, Va.; K. S. Clark, administratrix, assignor to Clark's Non-Blow-By Pistons, Inc. Piston. 2,621,092, Dec. 9.

Clark, David L., Bridgeport, and J. W. McNairy, Westport, Conn., assignors to General Electric Company. Automatic washing machine control. 2,599,234, June 3.

Clark, David M., and H. W. Wilder, Worcester, Mass., and E. H. Wood and G. A. Hallenbeck, Rochester, Minn.; said Wilder, said Wood, and said Hallenbeck assignors to said Clark. Valve and system for the protection of aircraft occupants. 2,617,408, Nov. 11.

Clark, "E." Lee Rae, Spokane, Wash. Ski attachment for wheeled vehicles. 2,589,602, Mar. 18.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laundry apparatus. 2,621,423, Dec. 16.

Clark, Earl W., East Lynn, Mass., assignor to General Electric Company. Constant current regulator. 2,589,991, Mar. 18.

Clark, Earl W., Stuart, Fla. Condiment dispenser and stopper. 2,605,024, July 29.

Clark, Earnest H., Jr., Huntington Park, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing centralizer. 2,605,844, Aug. 5.

Clark, Edward B., Milford, Conn., assignor to General Electric Company. Making sheet metal bushings. 2,609,596, Sept. 9.

Clark, Edward R., Baldwin, assignor to Peabody Engineering Corporation, New York, N. Y. Burner ignition and flame detection means. 2,608,245, Aug. 26.

Clark, Edward S., and H. L. Andrus, Kalamazoo, Mich. Curb and gutter paving machine. 2,623,446, Dec. 30.

Clark, Edwin L., Collingswood, N. J., assignor to Radio Corporation of America. Vertical linearity in television receivers. 2,583,323, Jan. 22.

Clark, Elmer F., and L. F. Remington, assignors to Curtis & Marble Machine Company, Worcester, Mass. Roll-handling and control mechanism for cloth inspecting machines. 2,595,055, Apr. 29.

Clark, Ephraim C. S., Gloucester, Mass. Fishing boat. 2,583,929, Jan. 29.

Clark Equipment Company, assignee: *See*—
Backofen, E. Ryan.
Backofen, E. R., and Dunham.
Broersma, J. Charles.
Burrows, Robert J., and Williams.
Dunham, Elmer J.
Dunham, Elmer J., and Gunning.
Eaton, Ernest E.
Eaton, Ernest E., and Hogue.
Elliott, Morris R., Lapsley, and Turner.
Elliott, Morris R., and Turner.
Gault, Donald W.
Hawkins, Frederick E., Lapsley, and Turner.
Lapsley, Robert.

Clark Equipment Company, assignee: *See*—Continued.
Mills, Burton L.
Spatta, George.
Turner, George L.
Turner, George L., and Sherriff.
Vanderberg, Glen C.
White, Alfred B.
Williams, Alfred O.
Clark, Ernest, Abington, assignor to Abington Textile Machinery Works, North Abington, Mass. Method and apparatus for salvaging air-borne fibers. 2,606,344, Aug. 12.
Clark, Ernest A., Jr., Fullerton, Calif. Boat control mechanism. 2,618,235, Nov. 18.
Clark, Ernest C.: *See*—
Maclennan, William H., Clark, and Lowrie.
Clark, Ethel M., Los Angeles, Calif., assignor to California Test Bureau. Self-scoring test device. 2,614,338, Oct. 21.
Clark, Frank D., Des Moines, Iowa. Iron cord support and retriever. 2,590,936, Apr. 1.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Stabilization of halogenated hydrocarbons. 2,594,872, Apr. 29.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electrical capacitor containing a stabilizer. 2,594,873, Apr. 29.
Clark, Fred H., Kinver, and C. A. Lees, Pensnett, England. Removal of air from finely divided material before consolidation under pressure. 2,586,148, Feb. 19.
Clark, Frederick E., Salinas, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Deresinating rubber from plants. 2,618,670, Nov. 18.
Clark, Frederick G.: *See*—
Rourke, Daniel J., Jr., and Clark.
Clark, Frederick G., assignor to Eastman Machine Company, Buffalo, N. Y. Sharpening mechanism for cutting machines. 2,604,741, July 29.
Clark, Genevieve, assignee: *See*—
Kogl, Frank.
Clark, George F., J. G., and R. W., West Drayton, England; said J. G. and said R. W. Clark assignors to said G. F. Clark. Stock reel or coil holder. 2,621,868, Dec. 16.
Clark, George H., and F. L. Rose, Blackley, Manchester, and H. B. Parry, Newmarket, England, assignors to Imperial Chemical Industries Limited. Veterinary anaesthetic preparation. 2,604,429, July 22.
Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Selective wave filter. 2,584,986, Feb. 12.
Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Selective signal circuits. 2,607,007, Aug. 12.
Clark, Gilbert R., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electronic frequency modulator. 2,610,318, Sept. 9.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon resins. 2,590,937, Apr. 1.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Bread baking. 2,606,837, Aug. 12.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Organopolysilanes. 2,606,879, Aug. 12.
Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Single-phase motor control. 2,593,268, Apr. 15.
Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Control with column loaded strip. 2,618,721, Nov. 18.
Clark, Henry S., Indianapolis, Ind., assignor to Cornell Dubilier Electric Corporation, South Plainfield, N. J. Vibrator. 2,623,965, Dec. 30.
Clark, Hezzie, Houston, Tex. Differential speed control mechanism. 2,602,656, July 8.
Clark, Horace E., Atlanta, Ga. Alley sweep for textile mills. 2,614,281, Oct. 21.
Clark, Howard L., Ballston Lake, N. Y., assignor to General Electric Company. Tension adjusting apparatus. 2,623,027, Dec. 30.
Clark, Hugh W., Troy, N. C. Adjustable log tripping sawmill deck block. 2,623,551, Dec. 30.
Clark, James, Dayton, Ohio. Pressure operated resistor. 2,580,407, Jan. 1.
Clark, James, Dayton, Ohio. Electromagnetic pressure sensitive device. 2,581,359, Jan. 8.
Clark, James, Dayton, Ohio. Equipment for measuring pressures normal to a body. 2,602,329, July 8.
Clark, James A., Takoma Park, and F. H. Ferguson, Forestville, Md., assignors to Ahrendt Instrument Company, Washington, D. C. Magnetic clutch. 2,596,654, May 13.
Clark, James D., and G. J. Montopoli, assignors to Corning Glass Works, Corning, N. Y. Glass feeder and feeding mold charges. 2,594,125, Apr. 22.
Clark, James M., assignee: *See*—
Macklin, Richard L.
Clark, James M., Corpus Christi, Tex. Safety device for catching or collecting objects in well bores. 2,620,035, Dec. 2.
Clark, James M., New York, N. Y. Expansible chamber rotary fluid displacement device. 2,582,413, Jan. 15.
Clark, James R., Mobile, and S. M. Adams, Coden, Ala. Bark-removing apparatus comprising rotor and stationary cage. 2,599,090, June 3.
Clark, James R., and C. T. Flavin, Middletown, Ohio. Removable slat metal awning. 2,607,089, Aug. 19.
Clark, James T., assignee: *See*—
Ginter, John R.
Riordan, John A.
Clark, Jesse H., assignor to Cory Corporation, Chicago, Ill. Citrus fruit press. 2,588,906, Mar. 11.
Clark, Jesse H., assignor to Cory Corporation, Chicago, Ill. Citrus fruit press. 2,591,510, Apr. 1.
Clark, John A., Worcester, Mass. Insulated shoe construction. 2,619,741, Dec. 2.
Clark, John E., Springfield, assignor to The Columbus Dental Manufacturing Co., Columbus, Ohio. Backing for dental restorations. 2,617,194, Nov. 11.
Clark, John G.: *See*—
Clark, George F., J. G., and R. W.
Clark, John T.: *See*—
Johnson, Carroll W., and Clark.
Clark, John R., Stratford, and R. Christy, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Cabin locking and actuating mechanism. 2,607,551, Aug. 19.
Clark, John W., Buffalo, Mo. Toolholder. 2,593,847, Apr. 22.
Clark, John W., Buffalo, N. Y. Watch hand pressing tool 2,613,562, Oct. 14.
Clark, John W., Washington, D. C. Razor blade holder. 2,596,372, May 13.
Clark, John W., Cedar Rapids, Iowa, and N. J. Gamara, Minneapolis, Minn., assignors to Collins Radio Company, Cedar Rapids, Iowa. Dielectrically wedged biconical antenna. 2,599,896, June 10.
Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Treatment of wells. 2,590,844, May 13.
Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Treatment of wells. 2,596,845, May 13.
Clark, Joseph C., Merchantville, N. J., assignor to American Machine and Foundry Company. Bowling ball bumper and table support for automatic pin positioning machines. 2,583,208, Jan. 22.
Clark, Katie S., administratrix: *See*—
Clark, Cornelius S.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance drive. 2,598,110, May 27.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Washing machine. 2,618,141, Nov. 18.
Clark, Laurence E., Jr., Bainbridge, assignor to The Borden Company, New York, N. Y. Phenol formaldehyderye flour-sodium hydrosulfite containing adhesive composition. 2,580,890, Jan. 1.
Clark, Lauriston E.: *See*—
Griffith, Everette E., and Clark.
Clark, Lauriston E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photoelectric sound reproduction. 2,582,964, Jan. 22.
Clark, Lauriston E., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Motion-picture photography and monitoring system for color television. 2,607,845, Aug. 19.
Clark, Lloyd K., Owego, assignor to International Business Machines Corporation, New York, N. Y. Automatic clamping device. 2,584,789, Feb. 5.
Clark, Margaret M., assignor of one-half to A. R. Clark, Mountain Lakes, N. J. Boric acid esters of monohydroxycycloalkanes. 2,613,219, Oct. 7.
Clark, Milton L., Memphis, Tenn. Bathtub with contained shower curtain. 2,609,547, Sept. 9.
Clark, Minnie M., assignee: *See*—
Kogl, Frank.
Clark, Nathaniel, Madison, W. Va. Car coupling. 2,613,820, Oct. 14.
Clark, Nelson O., Winthrop, assignor, by mesne assignments, to C-Eight Laboratories, New Bedford, Mass. Gaseous electric discharge device circuits. 2,614,243, Oct. 14.
Clark, Orrin H.: *See*—
White, James R., Clark, and Woods.
Clark, Percy M.: *See*—
Burrell, Harry, and Clark.
Clark, Perley C., Denver, Colo. Attachment for hair clippers. 2,590,684, Mar. 25.
Clark, Perry L., Portland, Oreg. Guard for feeding dishes. 2,617,385, Nov. 11.
Clark, Peter H., Worcester, Mass. Packaging device. 2,603,928, July 22.
Clark, Ralph C., assignor to R. E. Clark, Willowbrook, Calif. Door lock. 2,612,771, Oct. 7.
Clark, Ray E., assignee: *See*—
Clark, Ralph C.
Clark, Raymond K., assignor to The Perfection Bed Spring Company, Mansfield, Ohio. Bedspring. 2,589,053, Mar. 11.
Clark, Richard L.: *See*—
Baker, Robert C., and Clark.
Clark, Richard U., Belmont, Mass. Quasi-detachable magnetic symbols, markers, and insignia. Re. 23,570, Nov 11.

Clark, Richard U., Belmont, Mass. Quasidetachable magnetic symbols, markers, and insignia. 2,599,047, June 3.
Clark, Richard W.: *See*—
Clark, George F., J. G., and R. W.
Clark, Robert C., San Francisco, Calif. Resilient clip for curtain rods. 2,602,978, July 15.
Clark, Robert E., Midlothian, and W. V. Turner, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Device for discharging nonflowing materials. 2,622,769, Dec. 23.
Clark, Robert H., assignee: *See*—
Wilson, Harry C.
Clark, Robert K., Jr.: *See*—
Schenck, Jay R., and Clark.
Clark, Thomas, and H. E. Harvey, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Hydraulic torque meter. 2,581,239, Jan. 1.
Clark, Thomas F., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Apparatus for cleaning cans. 2,601,746, July 1.
Clark Thread Company, Inc., The, assignee: *See*—
Kershaw, Stanley C.
Clark, Trevor H., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna reflector. 2,604,595, July 22.
Clark, Virgil R., Decatur, Ga. Dispenser having an inlet and an outlet valve for measuring the quantities dispensed. 2,588,206, Mar. 4.
Clark, William A., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Upholstery support pad. 2,582,479, Jan. 15.
Clark, William A., Larchmont, assignor to The Texas Company, New York, N. Y. Drilling barge. 2,601,762, July 1.
Clark, William F., assignor to The Ohio Brass Company, Mansfield, Ohio. Drilling mechanism. 2,599,696, June 10.
Clark, William H., San Mateo, Calif. Cargo securing means. 2,609,761, Sept. 9.
Clark, William H. V., Bournemouth, and T. S. Parramore, West Malling, assignors to Airspeed Limited, Portsmouth, England. Recording instrument and equipment. 2,614,900, Oct. 21.
Clark, William, Jr.: *See*—
Davis, Elwood T., and Clark.
Clark, William R., Jenkintown, assignor to Leeds and Northrup Company, Philadelphia, Pa. Actuating mechanism. 2,603,096, July 15.
Clarke, Albert E.: *See*—
Clarke, John S., A. E., and Coupe.
Clarke, John S. and A. E., and Coupe.
Clarke, Albert E., and A. K. North, Brierfield, Burnley, K. H. Holliday and J. S. Clarke, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner with diverse air paths and fuel vaporizer. 2,593,849, Apr. 22.
Clarke, Alfred G., assignor to Ronald Trist & Co. Limited, Slough, England. Voltage unbalance indicating system. 2,591,511, Apr. 1.
Clarke, Allen W., St. Charles, and W. C. Krautheim, Pasadena Park, Mo.; said Krautheim assignor to General Steel Castings Corporation, Granite City, Ill., and said Clarke assignor to American Car and Foundry Company, New York, N. Y. Railway vehicle underframe and coupler support structure. 2,582,414, Jan. 15.
Clarke, Charles M., assignee: *See*—
Bergmann, Christian N.
Clarke, Daniel J., assignor to Stalker Development Company, Bay City, Mich. Fluid turning blade. 2,613,911, Oct. 14.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,604,431, July 22.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,604,432, July 22.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,604,433, July 22.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,604,434, July 22.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,604,435, July 22.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,610,943, Sept. 16.
Clarke, Eric T., Lexington, assignor to Tracerlab, Inc., Boston, Mass. Radiation type thickness gauge. 2,586,303, Feb. 19.
Clarke, Eugene C., Jr., and P. A. Rickrode, assignors to Chambersburg Engineering Company, Chambersburg, Pa. Drop hammer control. 2,619,072, Nov. 25.
Clarke, Frank H.: *See*—
Morris, Lloyd P., and Clarke.
Clarke, Genevieve L., executrix: *See*—
Clarke, Harold E.
Clarke, Harold E., deceased, Somerville, Mass., by G. L. Clarke, executrix, Nobleboro, Maine. Hand measuring device. 2,605,548, Aug. 5.
Clarke, Howard F., Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration measuring device. 2,596,529, May 13.
Clarke, Howard F., Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration measuring device. 2,596,530, May 13.
Clarke, Howard F., Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration measuring device. 2,596,531, May 13.
Clarke, Howard R., West Pembroke, Maine. Breech bolt lock and actuator for firearms. 2,601,808, July 1.
Clarke, James S., East Orange, N. J., assignor to Standard Oil Development Company. Rotating plate mixing device. 2,610,836, Sept. 16.
Clarke, John S.: *See*—
Clarke, Albert E., North, Holliday, and Clarke.
Watson, Ernest A., and Clarke.
Clarke, John S., Blacko, near Nelson, W. E. Gregory, Burnley, and A. J. Gerrard, Blackburn, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel vaporizer. 2,583,416, Jan. 22.
Clarke, John S., Blacko, near Nelson, and L. J. Goddard, Bromborough, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner nozzle. 2,588,485, Mar. 11.
Clarke, John S., Blako, near Nelson, A. E. Clarke, Brierfield, Burnley, and N. P. Coupe, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner. 2,595,765, May 6.
Clarke, John S., Blacko, near Nelson, A. E. Clarke, Brierfield, Burnley, and N. P. Coupe, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel vaporizer and burner. 2,611,244, Sept. 23.
Clarke, John S., Burnley, and E. S. Collinson, Higher Brunshaw, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Fuel vaporizing apparatus for an afterburner. 2,622,396, Dec. 23.
Clarke, John T., Columbus, Ohio, assignor to The Texas Company, New York, N. Y. Side chain halogenation of alkyl thiophenes. 2,585,091, Feb. 12.
Clarke, Philip C., Line Lexington, assignor to Hunter Spring Company, Lansdale, Pa. Force measuring device. 2,612,042, Sept. 30.
Clarke, Richard G., Suffield, Conn., and H. G. Derbyshire, Binghamton, N. Y., and H. S. Edwards, Evanston, and F. J. Shore, Champaign, Ill., assignors to the United States of America as represented by the Secretary of War. Shock wave actuated photoflash bomb. 2,603,155, July 15.
Clarke, Rollin R., West Cheshire, assignor to The Patent Button Company, Waterbury, Conn. Combined tucker and orienting mechanism for snap fastener attaching machines. 2,588,486, Mar. 11.
Clarke, Ronald A.: *See*—
Wilman, Donald, and Clarke.
Clarke, Sandford P. P., Bronx, N. Y. Cigar and cigarette holder. 2,600,970, June 17.
Clarke, Troy A., Greensboro, N. C. Freight car unloading machine. 2,597,974, May 27.
Clarke, Vernie E., Los Angeles, Calif., assignor to Christine Association, Inc. Air pump. 2,612,312, Sept. 30.
Clarke, Walter J., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyethylene-polyisobutylene composition. 2,615,857, Oct. 28.
Clarke, Ward W.: *See*—
Kinney, Selwyne P., Garrigan, and Clarke.
Clarke, William P. O.: *See*—
Howard, John S., Jr., and Clarke.
Clarke, William W.: *See*—
Zademach, Erich R., and Clarke.
Clark's Non-Blow-By Pistons, Inc., assignee: *See*—
Clark, Cornelius S.
Clarkson, Alick, Itasca, assignor of one-half to Vapor Heating Corporation, Chicago, Ill. Thermostatic safety control for burners. 2,609,867, Sept. 9.
Clarkson, John L., and A. B. Jackson, assignors to Clarkson Manufacturing Company, Nashville, Ill. Loading machine. 2,606,063, Aug. 5.
Clarkson Manufacturing Company, assignee: *See*—
Clarkson, John L., and Jackson.
Clarkson, Ralph E., Hamden, assignor to Olin Industries, Inc., New Haven, Conn. Serrated carrier latch for firearms. 2,592,858, Apr. 15.
Clarkson, Ralph P., Milford, Conn. Justifying and differential spacing device for typewriters and the like. 2,582,372, Jan. 15.
Clarostat Mfg. Co. Inc., assignee: *See*—
Mucher, George J.
Clarridge, Ralph E., assignor to Taylor Instrument Companies, Rochester, N. Y. Temperature compensated thermometer. 2,621,519, Dec. 16.

Clarvoe, George W., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Asbestos roofing felt and manufacture. 2,593,010, Apr. 15.

Clary, Frank A., Jr., and G. N. Willis, Bristol, Conn., assignors to Johnson Steel & Wire Company, Inc., Worcester, Mass. Tension control and stop motion for stranded wire cable making machines. 2,593,984, Apr. 22.

Clary Multiplier Corporation, assignee: *See*—
Boyden, Robert E., and Drake.
Boyden, Robert E., and Freeman.
Petit, William H.

Clary, Paul D., Jr.: *See*—
Peebles, David D., Clary, and Meade.

Clary, Stanley T.: *See*—
Goldstein, Herman B., and Clary.

Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,603,166, July 15.

Clasen, John H.: *See*—
Evans, Russell T., and Clasen.

Claud-Mantle, Arthur, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn. Lid fastener. 2,605,123, July 29.

Claus, William H., Downers Grove, Ill., assignor to Westinghouse Air Brake Company. Railway signal control system. 2,617,920, Nov. 11.

Clausen, Albert P., Los Angeles, Calif. Fluidtight detachable coupling for tank sections. 2,596,839, May 13.

Clausen, Heriberto E. G. J., assignee: *See*—
Fabia, Manuel A. G., and Clausen.

Clausen, Howard F.: *See*—
Walz, Claude W., and Clausen.

Clausen, Leon R., assignor to J. I. Case Company, Racine, Wis. Power take-off coupling. 2,614,405, Oct. 21.

Clausen, Mads, Nordborg, Denmark. Flap valve automatically guided by a feeling member. 2,593,848, Apr. 22.

Clausen, Mads, and C. Matthiesen, Nordborg, Denmark. Pilot-operated valve. 2,613,689, Oct. 14.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Filler feed for cigar machines. 2,619,090, Nov. 25.

Clauser, Herbert C., and R. S. Long, assignors, by mesne assignments, to Kilgore Inc., Westerville, Ohio. Pyrotechnic device. 2,606,495, Aug. 12.

Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Turning lathe for shoe lasts. 2,590,378, Mar. 25.

Clausing, Henry G., assignor to Vulcan Corporation, Portsmouth, Ohio. Shoe last. 2,622,253, Dec. 23.

Clauss, Robert W., New York, N. Y. Pinticket manufacturing and attaching machine. 2,580,408, Jan. 1.

Clauss, Robert W., New York, N. Y. Pinticket manufacturing and attaching machine. 2,590,088, Mar. 25.

Clauss, Robert W., Riverdale, N. Y. Toy disk projector. 2,598,354, May 27.

Claussen, William H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Adsorption process for the separation of hydrocarbons. 2,582,415, Jan. 15.

Claussen, William H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Sulfonated phenyl alkane detergents and producing same. 2,597,834, May 20.

Clavé, Marcel: *See*—
Clavé, Serge and M.

Clavé, Serge and Marcel, Paris, France. Composite bifocal lens. 2,618,200, Nov. 18.

Clavier, André G., New York, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Directive antenna system. 2,611,870, Sept. 23.

Clawson, Claude L., El Cerrito, Calif. Denture. 2,602,997, July 15.

Clay, Howard W.: *See*—
Atwood, Lyle C., and Clay.

Clay, Philip E. F., Radcliffe-on-Trent, England. Elastic yarn and making. 2,587,117, Feb. 26.

Clay, Pieter H., deceased, by J. D. Heijligers, administrator, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Heat exchanging device. 2,587,116, Feb. 26.

Clay, Pieter H., deceased, late of Eindhoven, Netherlands by J. D. Heijligers, administrator, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Heat exchanger for hot gas piston engines. 2,599,611, June 10.

Clay Products Association, assignee: *See*—
Keck, George F.

Clay, Robert B., and G. A. Goepfrich, assignor to The Skinner Chuck Company, Norwalk, Conn. Electromagnetic valve construction. 2,616,452, Nov. 4.

Claybourn, Glen L., and P. Kocsis, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Outdoor metal-clad switchgear. 2,615,775, Oct. 28.

Clayden, Ronald T., London, and W. R. Gibson, Iver, assignors to Electric & Musical Industries Limited, Hayes, England. Television transmitting controllable marking system. 2,621,246, Dec. 9.

Clayden, Ronald T., East Sheen, London, assignor to Electric & Musical Industries Limited, Hayes, England. Electronic switching circuits. 2,622,193, Dec. 16.

Clayton, Benjamin, assignee: *See*—
Taub, Abraham.

Clayton, Benjamin, Pasadena, Calif. Refining of glyceride oils. 2,607,788, Aug. 19.

Clayton, Claud, assignee: *See*—
Bolton, Felix, Sr.

Clayton, Everett H. W., Long Island City, N. Y. Multipurpose rhythm device. 2,584,554, Feb. 5.

Clayton, Harold H.: *See*—
Lybrook, Malcolm T., and Clayton.

Clayton, Harold H., assignor to Essex Wire Corporation, Logansport, Ind. Dust-sealed panel-mounted socket assembly. 2,606,227, Aug. 5.

Clayton, Harry H., Jr., Rosamond, Calif. Ejector cooling shroud for use on the exhaust systems of turbojet aircraft engines. 2,591,676, Apr. 8.

Clayton, James O.: *See*—
Lowe, Warren, and Clayton.
Lowe, Warren, Stewart, and Clayton.

Clayton, John C.: *See*—
Borrows, Edward T., and Clayton.

Clayton, John R., deceased, Detroit, Mich.; N. L. Clayton, executrix. Earthworking implement. 2,617,341, Nov. 11.

Clayton & Lambert Manufacturing Company, assignee: *See*—
Edel, Walter L.
Stemmons, Robert, and Edel.

Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.
Cline, Edwin L.
Griswold, Donald G.

Clayton, Mark, & Co., assignee: *See*—
Peach, William H., and Malm.

Clayton, Nina L., executrix: *See*—
Clayton, John R.

Clayton, Thomas L., Wheeling, W. Va. Timer switch plate for toggle switches. 2,590,840, Apr. 1.

Clayton, William G., La Crosse, Wis. Work holder attachment for easels. 2,610,558, Sept. 16.

Claytor, Carl W., and J. W. Hendricks, Hartford, Ill. Unloading mechanism for concrete block molding machines. 2,612,276, Sept. 30.

Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Overdrive control. 2,585,437, Feb. 12.

Cleanser Products, Inc., assignee: *See*—
Cameron, John A.

Clearing Machine Corporation, assignee: *See*—
Johansen, Einar K.
Nowak, Alois K.

Clearwater, Fred E., Providence, R. I. Apparatus for removing toothpicks from beads. 2,595,641, May 6.

Cleary, Joseph J., Lexington, Mass. Ear clamp. 2,587,966, Mar. 4.

Cleary, Leo P., Chicago, Ill., and C. G. Farr, Abilene, Tex., assignors to Wilson & Co., Inc. Can sealer. 2,591,136, Apr. 1.

Cleary, Patrick J.: *See*—
Sullivan, William R., and Cleary.

Cleary, Thomas F., Jr., New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Sulfathiazole preparation. 2,592,859, Apr. 15.

Cleary, Thomas F., Jr., New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Preparing sulfathiazole. 2,592,860, Apr. 15.

Cleary, W. A., Corporation, assignee: *See*—
Sartoretto, Paul A.

Cleat, Laurence Hutcheson: *See*—
Symington, Robert, and Cleat.

Cleave, Edgar S., Chigwell, and D. R. Trowbridge, Hornchurch, assignors to The Plessey Company Limited, Ilford, England. Speed control means for gas turbines used as starting turbines. 2,584,555, Feb. 5.

Cleave, Edgar S., Chigwell, and D. R. Trowbridge, Emerson Park, Hornchurch, assignors to The Plessey Company Limited, Ilford, England. Multiple breech closing. 2,604,015, July 22.

Cleaver, Arthur V.: *See*—
Halford, Frank B., Cleaver, and Dove.

Cleaver-Brooks Company, assignee: *See*—
Loebel, Frederick A.

Cleeton, Claud E., Washington, D. C. Pulse group system of communications. 2,591,677, Apr. 8.

Cleff, Peter H., Newcastle-on-Tyne, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Two-speed gearing. 2,621,546, Dec. 16.

Clegg, Carlton, Rochdale, England. Electric heating of wash boilers and the like. 2,582,103, Jan. 8.

Clegg, Mark, North Kansas City, Mo. Tumble churn. 2,597,291, May 20.

Cleghorn, George S.: *See*—
Gray, Basil, and Cleghorn.

Cleland, Fred B., W. Baranecky, C. R. Kolk and P. E. Wetzel, assignors to The General Tire and Rubber Company, Akron, Ohio. Method and apparatus for making tire ply bands. 2,588,207, Mar. 4.

Cleland, James E., Granite City, Ill., assignor to Union Starch & Refining Company, Columbus, Ind. Hydrolysis process. 2,587,596, Mar. 4.

Cleland, James E., Granite City, Ill., assignor to Union Starch & Refining Company, Columbus, Ind. Noncrystallizing corn sugar process. 2,610,930, Sept. 16.

Cleman, Donald V., Bremerton, Wash. Denture locating mechanism. 2,591,678, Apr. 8.

Clemence, Le Roy W.: *See*—
Matson, Edward J., and Clemence.

Clemens, John A., Warwick, R. I., assignor to Davol Rubber Company. Nipple construction. 2,623,524, Dec. 30.

Clemens, Milton L., Jr.: *See*—
Von Bramer, Harold, and Clemens.

Clemensen, Niels E., New York, N. Y. Drinking vessel. 2,610,489, Sept. 16.

Clement, Anthony J. F., Culver City, Calif., and J. W. Kettl, Memphis, Tenn. Hydraulic force measuring device with electrical indicator. 2,592,009, Apr. 8.

Clement, Ernest C.: *See*—
Morrison, Robert F., and Clement.

Clement, Frank L., and C. W. Watson, Minden, La. Dumping trailer. 2,605,134, July 29.

Clements, Arthur L., assignor to American Hair & Felt Company, Chicago, Ill. Felt punching machine. 2,601,432, June 24.

Clements, George H.: *See*—
Clements, James D., G. H., and Smith.

Clements, James D., G. H., and R. E. Smith, Richmond, Ind. Snack rack tray for automobile doors. 2,605,154, July 29.

Clements Mfg. Co., assignee: *See*—
Thornwald, Everett D.

Clemmons, Herbert D., Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Ball cook valve. 2,595,766, May 6.

Clemons, Everett B., Columbus, Ohio. Differential steering mechanism for vehicles. 2,584,672, Feb. 5.

Clemson Agricultural College of South Carolina, assignee: *See*—
Brown, Hugh M.

Clench, Edward C. S., assignor to Automotive Products Company Limited, Leamington Spa, England. Motor control for fluid pressure systems. 2,593,537, Apr. 22.

Clendenin, Aubrey I., assignee: *See*—
Lewis, Harold G.

Clendenin, Jesse C., assignee: *See*—
Lewis, Harold G.

Clennett, George: *See*—
Wood, William S., Clennett, and Hulland.

Clentimack, George E., Plainville, assignor to Whitin Machine Works, Whitinsville, Mass. Positive and constant-tension take-up mechanism for knitting and other textile machines. 2,621,500, Dec. 16.

Clerc, Leonard F., Detroit, Mich. Adjustable bed frame. 2,611,907, Sept. 30.

Clerk, Édouard, Saint Hilaire, Quebec, Canada. Window sash. 2,599,811, June 10.

Clerk, Robert C., Richmond, England. Planetary change-speed gear. 2,580,656, Jan. 1.

Clerk, Robert C., Richmond, England. Planetary change-speed gear. 2,580,891, Jan. 1.

Clerk, Robert C., Richmond, England. Friction clutch and brake. 2,623,619, Dec. 30.

Clerke, John W., Little Falls, N. J. Welding shield. 2,582,860, Jan. 15.

Cless, John M., Pueblo, Colo. Folding wheel chock. 2,585,370, Feb. 12.

Cleveland, Charles H., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Adjusting screw for firearms. 2,612,820, Oct. 7.

Cleveland, Donald M., Geneva, N. Y. Work holder. 2,593,538, Apr. 22.

Cleveland, Elonza A.: *See*—
Couch, Dean H., and Cleveland.

Cleveland Frog & Crossing Co., assignee: *See*—
Arnold, George, Schultz, and Rhonds.

Cleveland Graphite Bronze Company, The: *See*—
Schaefer, Ralph A., Cerness, and Morrison.
Schaefer, Ralph A., and Mohler.
Swenson, Paul F., and Pravda.

Cleveland Steel Conditioner, Inc., assignee: *See*—
Graf, Edward H.

Cleveland Steel Products Corporation, assignee: *See*—
Grissinger, Daniel D.
Smith, William J., Jr.

Cleveland Trencher Company, The, assignee: *See*—
Askue, Albert R.

Cleveland Twist Drill Company, The, assignee: *See*—
Emmons, Joseph V.
Githens, Thomas F.

Cleveland Welding Company, The, assignee: *See*—
Mueller, Homer L.

Clevenger, Walton S., and J. S. and S. G. Cohen, Miami, Fla. Method and apparatus for hydraulic work hardening. 2,615,411, Oct. 28.

Cleverdon, Desmond, Tadworth, England, J. J. P. Staudinger, Penmar, near Barry, Wales, and D. Faulkner, Epsom, and J. N. Milne, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Tri-alkyl tin mono-alkoxides. 2,623,892, Dec. 30.

Clewell, Dayton H.: *See*—
Dahm, Cornelius G., and Clewell.

Clborn, Robert, assignor to Thompson Products, Inc., Cleveland, Ohio. Self-lubricated turbine drive and gear reduction unit. 2,615,533, Oct. 28.

Click, Bernard, Columbus, Ohio. System of drilling. 2,621,023, Dec. 9.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Pyridyl amines. 2,615,892, Oct. 28.

Clifford, Bess S., executrix: *See*—
Clifford, Walter B.

Clifford, Cecil F., assignor to Horstmann Clifford Magnetics Ltd., Bath, England. Escapement mechanism. 2,616,298, Nov. 4.

Clifford, Cecil F., and F. O. Horstmann, Bath, England. Electric motor. 2,606,222, Aug. 5.

Clifford, Douglas W., Denver, Colo. Self-heated stock watering tank. 2,606,548, Aug. 12.

Clifford, Harry W., East Orange, and R. MacDonald, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Test fixture for vacuum tube sockets. 2,593,269, Apr. 15.

Clifford, Thomas W., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Shutter and lens mount construction for photographic cameras. 2,620,712, Dec. 9.

Clifford, Walter B., deceased; B. S. Clifford, Boston, and A. C. Post, Wayland, Mass., executrices. Liquid cooling pump and fan. 2,580,517, Jan. 1.

Cliff, Therlis L., Erlanger, Ky., assignor to The Standard Oil Company, Cleveland, Ohio. Gas mixing apparatus. 2,600,733, June 17.

Clifton Conduit Company, Inc., assignee: *See*—
Pearson, William S.

Clifton, Lloyd T.: *See*—
Lewis, Warner, Jr., and Clifton.

Clifton, Robert P.: *See*—
Weiss, Erwin A., Frailing, and Clifton.

Clifton, Robert P., Dearborn, assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,618,174, Nov. 18.

Clifton, Wayne L., assignor of forty-five percent to W. H. Pate, Jr., and ten percent to J. W. Cox, Sumter, S. C. Article of furniture. 2,593,270, Apr. 15.

Climax Molybdenum Company, assignee: *See*—
Coffer, Lynn W.
Cuthbertson, Robert E.

Cline, Edward T., Wilmington, Del., P. S. Pinkney, Niagara Falls, N. Y., and L. Plambeck, Jr., and H. B. Stevenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-resistant polyvinyl alcohol filament and producing same. 2,610,360, Sept. 16.

Cline, Edwin L.: *See*—
Jordan, Thomas E., and Cline.

Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Deaerating apparatus. 2,590,754, Mar. 25.

Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Series flow cooling system for dynamometers and engines. 2,597,450, May 20.

Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Performance indicating means for use with dynamometers. 2,603,968, July 22.

Cline, George, assignee: *See*—
Smith, Le Roy J.

Cline, Harold A., Dayton, Ohio, assignor, by mesne assignments, to Emarco Corporation, Chicago, Ill. Airport lighting system. 2,602,850, July 8.

Cline, Truman H., Newark, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill. Construction and apparatus involving ball's eye pilot mountings. 2,617,869, Nov. 11.

Clinefelter, James C., Akron, Ohio. Machine for feeding, working, and mixing plastic material. 2,595,210, Apr. 29.

Clines, Edwin M., assignor of one-half to E. R. Barnhart, Omaha, Nebr. Roadside signal lighting device. 2,597,705, May 20.

Clingman, Paul E.: *See*—
Heimgartner, Leo C., Bush, and Clingman.

Clingman, Paul E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rubberlike article. 2,585,438, Feb. 12.

Clingman, Paul E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Sealing strip. 2,606,635, Aug. 12.

Clinton Foods Inc., assignee: *See*—
Skinner, Bronson C.

Clinton Machine Company, assignee: *See*—
Agar, Kenneth C.

Clinton, Otto M., assignor to M. W. Fortney, S. R. Kennard, Jr., and R. C. Samuelson, Glendale, Calif. Dough cutting machine. 2,623,479, Dec. 30.

Clinton, Raymond O., Delmar, assignor to Sterling Drug Inc., New York, N. Y. Alkamine esters of 4-alkylaminothiolbenzoic acids. 2,608,574, Aug. 26.

Clinton, Raymond O., Rensselaer County, and S. C. Laskowski, Albany County, assignors to Sterling Drug Inc., New York, N. Y. Basic esters and amides of 7-substituted-coumarin-4-acetic acids and salts and preparation. 2,615,024, Oct. 21.

Clipper Manufacturing Company, assignee: *See*—
Wright, Harold J.

Clive, Peter: *See*—
Eisenberger, Sidney, and Clive.

Cloedy, Frederick W., Sappington, and C. E. Holt, Richmond Heights, assignors to Carter Carburetor Corporation, St. Louis, Mo. Filter unit. 2,600,480, June 17.

Clogston, Albert M., Melrose, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron having modulating means. 2,585,741, Feb. 12.

Cloninger, Ernest B.: *See*—
Simpson, James H., and Cloninger.

Clonts, Oran, Midwest City, Okla. Faucet. 2,598,224, May 27.

Clopay Corporation, assignee: *See*—
Hyde, Robert W.
Probst, John B.

Clos, Charles, Middle Village, N. Y., assignor to American Telephone and Telegraph Company. Apparatus for recording numerals in code. 2,614,632, Oct. 21.

Close, Winston A., assignor to S. H. Cargill, Minneapolis, Minn. Door sealing structure. 2,592,861, Apr. 15.

Closson, Rex D.: *See*—
Ligett, Waldo B., Closson, and Wolf.

Clothier, Archie T., Tulsa, Okla., assignor to Standard Oil Development Company. Hydrocarbon gas mixture analysis. 2,600,158, June 10.

Clotworthy, Charles B., Jr., Brooklandville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for mixing materials. 2,592,245, Apr. 8.

Cloud, Catharine, executrix: *See*—
Cloud, Kenneth G.

Cloud, Charles E., assignor to W. S. Cloud, Wilmette, Ill. Method and apparatus for wrapping articles in stretchable sheet material. 2,615,200, Oct. 28.

Cloud, Charles E., assignor to W. S. Cloud, Wilmette, Ill. Packaging apparatus with collapsible seal. 2,615,201, Oct. 28.

Cloud Foundation, Inc., assignee: *See*—
Cloud, Kenneth G.
Cloud, Kenneth, and Nadherny.

Cloud, Kenneth G., deceased, by C. Cloud, executrix, assignor to Cloud Foundation, Inc., Chicago, Ill. Holder for yarn and the like. 2,620,144, Dec. 2.

Cloud, Kenneth, and R. J. Nadherny, assignors to Cloud Foundation, Inc., Chicago, Ill. Winder for yarn and the like. 2,583,087, Jan. 22.

Cloud, Raymond T., assignor to North American Geophysical Company, Houston, Tex. Mapping device. 2,590,755, Mar. 25.

Cloud, Raymond T., assignor to North American Geophysical Co., Houston, Tex. Pendulum compensated surveying instrument. 2,598,355, May 27.

Cloud, Raymond T., assignor to North American Geophysical Company, Houston, Tex. Gravity meter. 2,614,432, Oct. 21.

Cloud, William S., assignee: *See*—
Cloud, Charles E.

Cloud, William S., Wilmette, Ill. Apparatus and method for wrapping articles and severing the wrapped articles from webs. 2,590,379, Mar. 25.

Cloud, William S., Wilmette, Ill. End-folding machine. 2,592,246, Apr. 8.

Clough, Carroll C., near Seattle, Wash. Vehicle bogey. 2,587,031, Feb. 26.

Clough, Minnie S., Kansas City, Mo. Pie top cutter. 2,618,852, Nov. 25.

Clouse, Augustus C., assignor to Fretz-Moon Tube Company, Inc., Butler, Pa. Permanent magnet roll. 2,588,085, Mar. 4.

Cloverleaf-Freeland Corporation, assignee: *See*—
Burlein, Lester F.
Miller, William H.

Clow, James B., & Sons, assignee: *See*—
Kurtz, Ralph W.

Clowe, Henry W., U. S. Army, and P. King, Washington, D. C. Joining surfaces of heat-fusible materials. 2,622,053, Dec. 16.

Clubboy, Inc., assignee: *See*—
Le Vine, Charles K.

Cluett, Peabody & Co., Inc., assignee: *See*—
Bramfitt, Thomas A., and Pfeffer.
Cluett, Sanford L.
Gannon, John J., and Powell.
Macrides, Philip C., and Solomon.
Merchant, Reuben.
Miller, Myron M.

Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Compressive shrinking of webs. 2,615,230, Oct. 28.

Cluskey, James E.: *See*—
Wolff, Ivan A., Davis, Cluskey, and Gundrum.

Clutts, Charles E., Mountain Lakes, N. J., G. A. Pullis, Riverdale, N. Y., A. K. Schenck, Glen Ridge, and L. A. Weber, Livingston, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm signaling system. Re. 23,571, Nov. 11.

Clutts, Charles E., West Orange, N. J., G. A. Pullis, Riverdale, N. Y., and A. K. Schenck, Glen Ridge, and L. A. Weber, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm signaling system. 2,583,088, Jan. 22.

Cluwen, Johannes M.: *See*—
Van Zelst, J. J., Zaalberg, and Cluwen.

Cluwen, Johannes M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Demodulator. 2,591,917, Apr. 8.

Cluzel, Albert C., Ridgewood, N. J. Apparatus for and method of making printing screens. 2,608,750, Sept. 2.

Clyde, John A., Ellwood City, Pa., assignor to United States Steel Company. Grinding fixture for welded tubing. 2,600,481, June 17.

Cly-Del Mfg. Co., assignee: *See*—
Tuttle, Spencer C.

Clyne, Joseph, Bronx, N. Y., assignor, by mesne assignments, to Flexsleev, Inc. Garment construction. 2,583,089, Jan. 22.

Coad, Frederic J., deceased, Des Moines, Iowa, by Swift & Company, Chicago, Ill., assignee. Skinning machine. Re. 23,471, Mar. 18.

Coad, Frederic J., deceased; by Mrs. F. J. Coad, administratrix, Des Moines, Iowa, the same person as G. Coad, assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Skinning method. 2,587,967, Mar. 4.

Coad, Mrs. Frederic J., administratrix: *See*—
Coad, Frederic J.

Coad, Gwendolyn, administratrix: *See*—
Coad, Frederic J.

Coakley, Arthur T., Catonsville, Md. Apparatus for combining finely divided solid material with liquid. 2,586,613, Feb. 19.

Coan, Richard L., Cleveland, Ohio, assignor to United States Steel Company. Automatic chuck. 2,610,860, Sept. 16.

Coanda, Henri, Paris, France. Turbojet engine having jet pump and rotary compressor means to reduce turbine exhaust pressure. 2,623,356, Dec. 30.

Coar, Richard J., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel control for exhaust turbine power plants having internal-combustion gas generators. 2,583,470, Jan 22.

Coash, Conrad V., Chicago, Ill., assignor to The Sherwin-Williams Co., Cleveland, Ohio. Preparing DDT dispersions using carboxy methyl cellulose. 2,614,061, Oct. 14.

Coash, Conrad V., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Pest control coating compositions. 2,621,163, Dec. 9.

Coast Envelope Company, assignee: *See*—
Kensey, Alexander.
Miller, Joseph C.

Coast Wire Company, assignee: *See*—
Schulze, Kurt E.

Coat Craft Company, assignee: *See*—
Goldstein, Aaron A.

Coates, Charles F., Glendale, Calif., assignor to J. H. Williams & Co., Buffalo, N. Y. Adjustable crowfoot wrench. 2,600,617, June 17.

Coates, J. Edwin: *See*—
Boyes, Mary A., and Coates.

Coates, James N., Grand Rapids, Mich. Fixed electrical resistance element and manufacturing the same. 2,597,226, May 20.

Coates, Norman, executor: *See*—
Gilbert, Charles E.

Coates, Oscar S., Rock Springs, Ariz. Power-driven jackhammer. 2,597,292, May 20.

Coats, Dallas R.: *See*—
Coats, Raymond C. and D. R.

Coats, Raymond C. and D. R., Effingham, Ill. Automatic intermittent feed-and-cut machine for sawing firewood. 2,614,589, Oct. 21.

Coats, Robert R.: *See*—
Davies, Phineas, Reynolds, Coats, and Taylor.

Cobb, Clifton A., University City, Mo. Magazine stripping machine. 2,589,673, Mar. 18.

Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Electromagnetic valve. 2,608,353, Aug. 26.

Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Flame sensitive fuel cutoff device. 2,612,946, Oct. 7.

Cobb, Clifton A., University City, Mo. Magazine stripping machine. 2,618,334, Nov. 18.

Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Ice bank controller. 2,622,923, Dec. 23.

Cobb, Harold E., Aurora, assignor to Furnas Electric Company, Batavia, Ill. Thermal overload relay. 2,597,068, May 20

Cobb, Harold E., Aurora, and N. H. Koertge, Glen Ellyn, assignors to Furnas Electric Company, Batavia, Ill. Magnetic unloader and pressure switch. 2,600,618, June 17.

Cobb, Harold E., Aurora, and W. C. Furnas, assignors to Furnas Electric Company, Batavia, Ill. Single pole double throw switch. 2,620,409, Dec. 2.

Cobb, Harold W., Baltimore, Md., assignor to Armco Steel Corporation. Recording wire. 2,598,760, June 3.

Cobb, Leland D., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Separator for antifriction bearings. 2,590,939, Apr. 1.

Cobbs, William B., Tuscaloosa, Ala. Bookcase. 2,612,272, Sept. 30.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Pilot-controlled distributing valve for fluid-operated motors. 2,580,657, Jan. 1.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Control governor for fluid-operated pumps. 2,589,668, Mar. 18.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Closed fluid-operated free-pump system with three concentric tubings. 2,589,669, Mar. 18.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Closed fluid-operated free-pump system with two parallel tubings, one of which encloses a third tubing. 2,589,670, Mar. 18.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Closed fluid-operated free-pump system with three parallel tubings. 2,589,671, Mar. 18.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Closed fluid-operated free-pump system with two parallel tubings within a third tubing. 2,589,672, Mar. 18.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Tubing clamp having opposite identical jaws. 2,592,791, Apr. 15.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Closed system hydraulic pump. 2,593,729, Apr. 22.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid operated pump head. 2,620,739, Dec. 9.

Cobert, Arthur J., assignor of fifty per cent to Bryan Full Fashioned Mills, Incorporated, Chattanooga, Tenn. Magnetically operated thread finger drive. 2,586,205, Feb. 19.

Cobert, Arthur J., Chattanooga, Tenn., assignor of fifty per cent to Beautiful Bryans, Inc. Narrowing frame. 2,617,283, Nov. 11.

Cobert, Arthur J., Chattanooga, Tenn., assignor of fifty per cent to Beautiful Bryans, Inc. Knitting machine having an auxiliary presser bar. 2,617,284, Nov. 11.

Cobert, Arthur J., assignor of one-half to Bryan F. F. Mills, Inc., Chattanooga, Tenn. Singer head for knitting machines. 2,618,950, Nov. 25.

Cobin, Jacob C.: *See*—
Patch, Arthur C., Peed, and Cobin.

Cobine, James D., Schenectady, N. Y., assignor to General Electric Company. Inert gas arc welding electrode. 2,586,516, Feb. 19.

Coble, Ernest L., East Cleveland, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio. Scaffold jack and ladder. 2,586,149, Feb. 19.

Coble, Lucian G., Greensboro, N. C. Intraoral tracer and balancer for dentures. 2,582,104, Jan. 8.

Coburn, Everett R.: *See*—
Hershberg, Emanuel B., and Coburn.

Coburn, Wallace A., Brandon, Manitoba, Canada. Totalized current release device for circuit breakers. 2,600,734, June 17.

Coby, George, Attleboro, Mass., assignor to United Products Co., Inc. Forming the bottoms of glass ampoules or bottles or the like. 2,580,658, Jan. 1.

Coby, George, Attleboro, Mass., assignor to United Products Co., Inc. Manufacturing glass ampoules. 2,582,818, Jan. 15.

Coca-Cola Bottling Works Co., The, assignee: *See*—
Kanaval, Stephen W.

Coca-Cola Company, The, assignee: *See*—
Copping, Bruce G.

Coccetti, Frank, Lincoln Park, Mich. Storm window operator. 2,620,214, Dec. 2.

Cocchiarella, Otell M.: *See*—
Smith, Edmund G., and Cocchiarella.

Cocchiola, Anthony T., Waterbury, Conn. Electric mop shaker. 2,617,133, Nov. 11.

Coccomo, Thomas A., New Britain, Conn. Child's crib. 2,599,897, June 10.

Cochetti, Umberto, Aosta, Italy. Extensible shutter construction. 2,621,727, Dec. 16.

Cochin, John D., San Francisco, Calif. Control valve for automobile lifts. 2,580,731, Jan. 1.

Cochran, William C., Brussels, Belgium, assignor to Aluminum Company of America, Pittsburgh, Pa. Chemical brightening of aluminum. 2,613,141, Oct. 7.

Cochran, Clarence W., Belmont, Mass. Electric switch for illuminating fixtures. 2,605,367, July 29.

Cochran, Clarence W., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Panel mounted lamp socket. 2,611,000, Sept. 16.

Cochran, James L., Milwaukee, Wis. Self-lifting iron. 2,602,247, July 8.

Cochran, John: *See*—
Blake, Jack L., and Cochran.

Cochran, John E., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Refrigerator defrost product disposal system. 2,592,394, Apr. 8.

Cochran, John M., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic low-energy relay apparatus. 2,608,653, Aug. 26.

Cochran, John P., Company, The, assignee: *See*—
Brown, John W.

Cochran, Ollie H., assignee: *See*—
Harrison, Edward E.

Cochrane, Alfred P. M., West Tempar, Kinloch-Rannoch, Scotland. Screw and nut actuating gear. 2,619,417, Nov. 25.

Cochrane, Clarence, Melrose, Mass. Tiltable support for use in treating textile material. 2,598,225, May 27.

Cochrane Corporation, assignee: *See*—
Horodeck, William.
Williams, John G.

Cochrane, William R.: *See*—
McNabb, Walter J., and Cochrane.

Cocke, Josephine, assignee: *See*—
Pratt, Robert J.

Cocker Machine & Foundry Company, assignee: *See*—
Rea, Thomas K.
Sherrill, Price E., Jr.
Suggs, Thomas F.

Cocklin, Clinton T., Griswold, Iowa. Rotating cutting disk type mower. 2,618,920, Nov. 25.

Cockriel, Floyd M., Edgerton, Mo. Dripproof cup. 2,612,031, Sept. 30.

Cockrell, Blanche L., Seat Pleasant, Md. Article of furniture. 2,593,271, Apr. 15.

Cockrell, Sanford C., Washington, D. C., and F. F. Glasgow, Wilmington, Del. Torque measuring device. 2,614,417, Oct. 21.

Coda Electric Corporation, assignee: *See*—
Cole, Robert M.

Codet, Howard G.: *See*—
Kaulakis, Arnold F., and Codet.

Coe, Clarence S.: *See*—
Doumani, Thomas F., and Coe.
Doumani, Thomas F., Coe, and Attane.

Coe, Frank S., assignor to American Bosch Corporation, Springfield, Mass. Variable capacity pump. 2,592,247, Apr. 8.

Coe, Frank S., assignor to American Bosch Corporation, Springfield, Mass. Fuel pump. 2,599,522, June 3.

Coe, George B., Upper Montclair, N. J., assignor to Tube Reducing Corporation, Stamford, Conn. Mill for reducing metal stock. 2,594,126, Apr. 22.

Coe, Henry J. F., Glen Iris, Victoria, Australia. Surveying apparatus. 2,582,681, Jan. 15.

Coe, Herbert A., Port Washington, N. Y. Cosmetic container. 2,617,522, Nov. 11.

Coe, Jerome T., Schenectady, and W. A. Schwenker, Alplaus, N. Y., assignors to General Electric Company. Synthesis of phenylchlorosilanes. 2,595,767, May 6.

Coe Manufacturing Company, The, assignee: *See*—
Haumann, George.
Parker, Clarence E.

Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Packaged bakery products and process thereof. 2,600,093, June 10.

Coe, Myron R., Richmond Hill, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Tube current stabilizer. 2,617,045, Nov. 4.

Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Packaged dairy products and process thereof. 2,598,506, May 27.

Coe, William G.: *See*—
Raymond, Horace H., Bliss, Coe, and Campbell.

Coe, William G., East Stroudsburg, Pa., assignor to McGraw Electric Co., Milwaukee, Wis. Remote switch control. 2,598,356, May 27.

Coelho, Manuel T., Redwood City, Calif. Implement for removing indentations from putting greens. 2,585,298, Feb. 12.

Coeterier, Frederik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Velocity modulated electron device. 2,609,521, Sept. 2.

Cofek, Henry J.: *See*—
Novak, Izador J., and Cofek.
Batchelor, Clyde S., Cofek, and Walker.

Cofek, Henry J., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction material and making same. 2,586,150, Feb. 19.

Cofer, Thomas N., and A. J. Borchers, Springfield, Ill. Transmission line support. 2,606,952, Aug. 12.

Coff, Leo, New York, N. Y. Prestressed concrete structure. 2,590,685, Mar. 25.

Coffer, Lynn W., Langeloth, Pa., assignor to Climax Molybdenum Company, New York, N. Y. Refractory. 2,622,304, Dec. 23.

Coffey, David H., O. B. Edgar, T. J. Meyrick, and J. T. Watts, Manchester, England, assignors to Imperial Chemical Industries Limited. Compositions comprising polyisocyanate modified polyesters and vinyl chloride polymers. 2,606,162, Aug. 5.

Coffey, Francis T., Sr., Los Angeles, Calif. Film viewer. 2,588,803, Mar. 11.

Coffey, Guy W., Florence, Ky. Can flattener. 2,614,604, Oct. 21.

Coffey, Irven E., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Valve device. 2,622,842, Dec. 23.

Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Valve device. 2,590,686, Mar. 25.

Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Forming diaphragms. 2,595,127, Apr. 29.

Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Charge forming device. 2,613,658, Oct. 14.

Coffey, Joseph F.: *See*—
Russum, Leonard W., and Coffey.

Coffey, Samuel, D. A. W. Fairweather and F. H. Slinger, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Leuco sulfuric acid esters of trianthrimide carbazole dyestuffs and producing the same. 2,604,477, July 22.

Coffin, Edward E., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine spindle axial shift control. 2,615,372, Oct. 28.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Hoist jack. 2,581,577, Jan. 8.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Releasing type hook. 2,595,450, May 6.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Fabric belt hoist. 2,596,326, May 13.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Adjustable standard for vehicle jacks and the like. 2,602,625, July 8.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Drop hook device. 2,608,432, Aug. 26.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Outboard mounting structure. 2,613,967, Oct. 14.

Coffing, Fredrick W., Danville, Ill. Hoist supporting frame. 2,616,651, Nov. 4.

Coffing, Fredrick W., and G. H. Brown, Danville, Ill. Bed cover support. 2,595,449, May 6.

Coffing Hoist Company, assignee: *See*—
Coffing, Fredrick W.

Coffing, James R., Danville, Ill. Live stock feeder. 2,585,371, Feb. 12.

Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Beta-methylene-beta-propiolactone copolymers. 2,585,537, Feb. 12.

Coffman, Donald D., West Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric poly-quaternary ammonium salts. 2,595,225, May 6.

Coffman, John R., St. Paul, Minn., assignor to General Mills, Inc. Modifying wheat gluten. 2,582,965, Jan. 22.

Coggin, Gray, Roswell, N. Mex. Burner mechanism. 2,610,622, Sept. 16.

Coggins, Archie W., F. W., and M. J., Cornell, Wis. Barn cleaner. 2,621,773, Dec. 16.

Coggins, Frank W.: *See*—
Coggins, Archie W., F. W., and M. J.

Coggins, Melvin J.: *See*—
Coggins, Archie W., F. W., and M. J.

Coghill, James T., Fairport, assignor, by mesne assignments, to Curlator Corporation, Rochester, N. Y. Apparatus for treating wood pulp and the like. 2,622,490, Dec. 23.

Coghill, James T., Rochester, N. Y., and H. S. Hill, Kenogami, Quebec, Canada, assignors, by mesne assignments, to Curlator Corporation, Rochester, N. Y. Gyratory processing apparatus. 2,599,543, June 10.

Coghlan, Charles A.: *See*—
Dickens, Samuel P., Coghlan, and Morrow.

Coghlan, Charles A., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Conversion of heavy carbonaceous oils to motor fuels, fuel gas, and synthesis gas. 2,605,215, July 29.

Cogovan, Edward J., and E. D. Friderici, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Soil-resistant pile fabric. 2,622,307, Dec. 23.

Cogsdill, Stuart A., assignor to Cogsdill Twist Drill Company, Inc., Detroit, Mich. Deburring tool having a slender body for projecting into an aperture. 2,620,689, Dec. 9.

Cogsdill Twist Drill Company, Inc., assignee: *See*—
Cogsdill, Stuart A.

Cogshall, Morry L., Dalhart, Tex. Control outlet for vacuum cleaning systems. 2,596,210, May 13.

Cogswell, Walter F., assignor to Bobopen, Inc., Colorado Springs, Colo. Device for opening bobby pins. 2,601,590, June 24.

Cohen, Aaron, Welwyn Garden City, England, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pyridoxin. 2,590,841, Apr. 1.

Cohen, Alexander, Los Angeles, Calif. Screen attaching and tensioning means. 2,593,539, Apr. 22.

Cohen, Arnold A., Minneapolis, J. L. Hill, North St. Paul, and R. M. Kalb, Minneapolis, Minn., assignors to Engineering Research Associates, Inc., Arlington, Va. Storage and relay system. 2,614,169, Oct. 14.

Cohen, Arnold D., Merion Township, assignor to Carry Cool Container Corporation, Philadelphia, Pa. Understung automobile carrier. 2,607,518, Aug. 19.

Cohen, Arthur M., New York, N. Y. Finger type circuit regulator. 2,580,732, Jan. 1.

Cohen, Carl and M. L., Waupaca, Wis. Apparatus for making cheese. 2,590,510, Mar. 25.

Cohen, Charles, Newark, N. J. Wave and tide motor. 2,622,687, Dec. 23.

Cohen, David, and E. Schreiner, New York, N. Y.; said Schreiner assignor to said Cohen. Folding metallic case. 2,582,189, Jan. 8.

Cohen, Elias, assignor to Philco Corporation, Philadelphia, Pa. Synchronizing separator for television receivers. 2,616,964, Nov. 4.

Cohen, Frank A., Brooklyn, N. Y. Brassière. 2,592,792, Apr. 15.

Cohen, Harry O., Los Angeles, Calif. Ophthalmic mounting. 2,604,011, July 22.

Cohen, Herman, Brookline, Mass. Crushing machine. 2,589,603, Mar. 18.

Cohen, Herman, administrator: *See*—
Lenz, William J.

Cohen, Joel S.: *See*—
Clevenger, Walton S., and J. S. and S. G. Cohen.

Cohen, Joseph, Irving, Tex. Fishing line cleat and rod support. 2,602,618, July 8.

Cohen, Lezer H., Amsterdam, Netherlands. Apparatus for retreading rubber tires. 2,599,433, June 3.

Cohen, Louis, Bethesda, Md., deceased; L. Sissman, administratrix, assignor to L. Sissman as trustee for L., L. P., J. L., and P. L. Sissman. Interference eliminating system. 2,617,927, Nov. 11.

Cohen, Louis, deceased, Washington, D. C.; L. Sissman, administratrix, assignor to L. Sissman as trustee for L., L. P., J. L., and P. L. Sissman. Interference reducing radio receiving system. 2,617,926, Nov. 11.

Cohen, Martin J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Modulator. 2,605,345, July 29.

Cohen, Martin J., Princeton, N. J., assignor to Radio Corporation of America. Electrical regulator device and network therefor. 2,617,088, Nov. 4.

Cohen, Marvin L.: *See*—
Cohen, Carl and M. L.

Cohen, Meyer, Flushing, N. Y. Cup and integral straw. 2,581,516, Jan. 8.

Cohen, Milton J., Washington, D. C. Applicator for wax and waxlike substances. 2,615,447, Oct. 28.

Cohen, Milton J., Washington, D. C. Medicament applicator. 2,623,519, Dec. 30.

Cohen, Oscar P., Brighton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Treatment of heavy materials comprising keratinous fibers. 2,622,996, Dec. 23.

Cohen, Paul, Glen Cove, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine cycle control system. 2,609,553, Sept. 9.

Cohen, Philip, Philadelphia, Pa. Connected sectional table. 2,605,150, July 29.

Cohen, Samuel A.: *See*—
Rowe, William, and Cohen.

Cohen, Samuel H., Brookline, and E. Piltch, Cambridge, Mass. Bracket for automobile signs. 2,591,337, Apr. 1.

Cohen, Sandera G.: *See*—
Clevenger, Walton S., and J. S. and S. G. Cohen.

Cohen, Saul G., Brighton, assignor to Polaroid Corporation, Cambridge, Mass. Phenyl trifluoroethylene. 2,612,528, Sept. 30.

Cohler, Irving H., Chicago, Ill. Heat exchange tubing. 2,621,903, Dec. 16.

Cohn, Aaron, Philadelphia, Pa. Attaching means. 2,612,813, Oct. 7.

Cohn, Benno, Brooklyn, N. Y., assignor to Ferdinand Gutmann & Co. Method and machinery for making bottle caps. 2,600,393, June 17.

Cohn, Charles C., Elkins Park, assignor to S. L. Cohn and C. C. Cohn, copartners trading and doing business as Colonial Alloys Company, Philadelphia, Pa. Zipper and producing the same. 2,596,888, May 13.

Cohn, David, Brooklyn, and C. Kusold, Ridgewood, N. Y., assignors to Margon Corporation, Newark, N. J. Doll head with movable eyes. 2,601,741, July 1.

Cohn, Eugene: *See*—
Cohn, Samuel, Walter, and Cohn.

Cohn, Gustav, New York, N. Y. Slipper. 2,603,891, July 22.

Cohn, Harry, Brooklyn, N. Y. Combined dispenser and receptacle for cleansing dentures and other articles. 2,612,291, Sept. 30.

Cohn, Johan G.: *See*—
Rosenblatt, Edgar F., and Cohn.

Cohn, Peter, executor: *See*—
Ananson, Richard D.

Cohn, Samuel: *See*—
Walter, Jules G., and Cohn.

Cohn, Samuel, J. G. Walter, and E. Cohn, New York, assignors to Samcoe Holding Corporation, Woodside, N. Y. Method of and apparatus for treating tubular textile fabrics. 2,589,344, Mar. 18.

Cohn, Samuel, J. G. Walter, and E. Cohn, New York, assignors to Samcoe Holding Corporation, Woodside, N. Y. Treating tubular textile fabric. 2,589,345, Mar. 18.

Cohn, Samuel, J. G. Walter, and E. Cohn, New York, assignors to Samcoe Holding Corporation, Woodside, N. Y. Apparatus for handling tubular textile fabrics. 2,590,938, Apr. 1.

Cohn, Samuel, and J. G. Walter, New York, assignors to Samcoe Holding Corporation, Woodside, N. Y. Steaming device. 2,602,314, July 8.

Cohn, Samuel, New York, and J. G. Walker, Brooklyn, assignors to Samcoe Holding Corporation, New York, N. Y. Winding mechanism. 2,622,817, Dec. 23.

Cohn, Samuel L., assignee: *See*—
Cohn, Charles C.

Cohn, Seymour B., Cambridge, Mass., and H. C. Early, Ann Arbor, Mich., assignors to the United States of America as represented by the Secretary of War. High-frequency dissipating load. 2,594,874, Apr. 29.

Cohn, Seymour B., Garden City, assignor to The Sperry Corporation, Great Neck, N. Y. Delay lens for microwaves. 2,617,936, Nov. 11.

Cohn, Solomon, Flushing, assignor to L. Shakter, New York, N. Y. Initial or insignia holder. 2,598,507, May 27.

Cohoes Envelope Company, Inc., assignee: *See*—
Taylor, Gerald A.

Cohon, Benjamin J., Paterson, N. J. Lamp shade having shade material secured to frame by means of stiff but flexible strips. 2,593,272, Apr. 15.

Cohrs, Walter F., Glencoe, Minn. Liquid dispensing and feeding apparatus. 2,589,992, Mar. 18.

Colt, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Shipping crate. 2,590,941, Apr. 1.

Colt, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Load supporting pallet and crate structure. 2,622,830, Dec. 23.

Coker, Morton M.: *See*—
Bridwell, John W., and Coker.

Colalaco, August P., Pittsburgh, Pa., and D. L. Hopper, Jacksonville, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vacuum pump. 2,608,343, Aug. 26.

Colalupo, Giuseppe: *See*—
Camnasio, Carlo, Venturelli, and Colalupo.

Colangelo, Vito, North Collins, N. Y. Balanced burnishing wheel for distributing burnishing materials on boots and shoes. 2,602,174, July 8.

Colangelo, Willie, Raton, N. Mex. Window construction. 2,593,104, Apr. 15.

Colas, Marcel, Malakoff, assignor, by mesne assignments, to Compagnie Generale De Telegraphie Sans Fil, Paris, France. Frequency transposing device. 2,582,768, Jan. 15.

Colbert, William H., and A. R. Weinrich, Brackenridge, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Strongly adherent metallic coated article. 2,581,632, Jan. 8.

Colbeth, Ivor M., Maplewood, N. J., assignor to The Baker Castor Oil Company, New York, N. Y. Solvent extraction of castor oil from castor seed. 2,616,907, Nov. 4.

Colbeth, Ivor M., Maplewood, N. J., and J. S. F. Carter, Rockville Centre, N. Y., assignors to The Baker Castor Oil Company, Jersey City, N. J. Continuous process for solvent extraction of castor oil from castor seed. 2,616,908, Nov. 4.

Colborne Manufacturing Company, assignee: *See*—
Smith, Dennis W.

Colburn, Richard R., Waterloo, Iowa. Concrete gun. 2,614,891, Oct. 21.

Colby, Amerat E.: *See*—
Dosser, Robert C., and Colby.

Colby, Fred, Beaumont, Tex. Electric oil well heater. 2,615,114, Oct. 21.

Colby, Joseph M., Detroit, Mich. Two-stage torsion spring suspension. 2,606,759, Aug. 12.

Colby, Woodard, St. Paul, Minn. Safety pin. 2,618,825, Nov. 25.

Coldmobile Company, assignee: *See*—
Kirkpatrick, Henry O.

Cole, Addison D., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical navigation apparatus. 2,600,209, June 10.

Cole, Alvin D., and F. J. Kowalewski, La Crosse, Wis. Adjustable trailer for boats. 2,594,540, Apr. 29.

Cole, Byron M., Ossining, N. Y., and F. Kerkhof, Eindhoven, Netherlands, assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Voltage-regulated electrical power supply. 2,591,918, Apr. 8.

Cole, Charles C.: *See*—
Armbruster, Gordon E., and Cole.

Cole, Charles S., assignor to Fabric Fire Hose Company, Sandy Hook, Conn. Circular loom and operating same. 2,609,838, Sept. 9.

Cole, Charles T., New Philadelphia, Ohio. Percussion tool. 2,588,360, Mar. 11.

Cole, Edward J., Peekskill, N. Y. Holding nut with offset threaded end portions. 2,586,786, Feb. 26.

Cole, Evan L., assignor to Viking Manufacturing Company, Manhattan, Kans. Screen with slot-and-circular opening-pattern for hammer mills. 2,617,600, Nov. 11.

Cole, Fred H., Los Angeles, Calif. Electric switch. 2,602,866, July 8.

Cole, Fred P., Twin Lake, Mich. Lifter for cylinder heads. 2,606,054, Aug. 5.

Cole, George R., Glendale, Calif. Gas lift pump for oil wells. 2,607,299, Aug. 19.

Cole, Henry B.: *See*—
Ellis, Charles A., and Cole.

Cole, Henry B., East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Clamping device for adjustable headrests. 2,586,417, Feb. 19.

Cole, Herbert M., Teaneck, assignor to Federal Electric Products Company, Newark, N. J. Combined switch contact and fuse clip. 2,617,847, Nov. 11.

Cole, Horace, Saint Helens, A. R. Green, Rainford, E. B. Le Mare, and R. F. Taylor, Allithwaite, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for melting batch material used in the manufacture of glass. 2,592,010, Apr. 8.

Cole, James D.: *See*—
Morrison, Willard L., Jr., and Cole.

Cole, James D., Park Ridge, Ill. Multiple-speed phonograph turntable drive. 2,606,451, Aug. 12.

Cole, James D., Park Ridge, Ill. Bearing assembly. 2,621,088, Dec. 9.

Cole, James O.: *See*—
Barber, William E., and Cole.

Cole, John P., and W. A. Winters, Sr., Los Angeles, Calif.; said Winters assignor to said Cole. Hammock supporting assembly. 2,618,788, Nov. 25.

Cole, Joseph B., assignor of fifty-one per cent to E. T. Bridges, Gainesville, Tex. Aircraft construction 2,602,614, July 8.

Cole, Lyndon C.: *See*—
Miller, Leon F., and Cole.

Cole, Maurice S., Corsicana, Tex. Speaker and heater unit for drive-in theaters. 2,588,086, Mar. 4.

Cole, Ned S., San Diego, Calif. Valvular closure and cap for collapsible tubes. 2,620,949, Dec. 9.

Cole, Richard C., Milwaukee, Wis. Glazing strip. 2,605,518, Aug. 5.

Cole, Robert J., Yardley, Pa., and E. M. Yard, assignors to John A. Roebling's Sons Company, Trenton, N. J. Apparatus for measuring wire and the like. 2,603,688, July 15.

Cole, Robert M., assignor to Coda Electric Corporation, Tigard, Oreg. Delayed-action switch. 2,584,673, Feb. 5.

Cole, Robert M., Oakland, C. L. Dunn, Berkeley, and G. J. Pierotti, Albany, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated carbonylic compounds. 2,606,932, Aug. 12.

Cole, Robert M., Oakland, C. L. Dunn, Berkeley, and G. J. Pierotti, Albany, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated carbonylic compounds. 2,606,933, Aug. 12.

Cole, Sandford S.: *See*—
Aagaard, Leif, and Cole.

Cole, Steve, North Platte, Nebr. Guide mechanism for tank balls. 2,591,137, Apr. 1.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Newark, N. J. Convertible flush and surface mountable panel board box. 2,612,283, Sept. 30.

Coleman, Archie V., Corpus Christi, Tex. Center control arm slack take-up. 2,620,202, Dec. 2.

Coleman, Clarence B., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vacuum tube keying of resistance coupling amplifier. 2,605,402, July 29.

Coleman, Clarence B., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic tuning system. 2,616,066, Oct. 28.

Coleman Company, Inc., The, assignee: *See*—
Campbell, Shirley P.
Coleman, William C.
Giwosky, Harry L.

Coleman, Gerald H., Freeland, and R. H. Rigterink, assignors to The Dow Chemical Company, Midland, Mich. Tertiary-octylated biphenyls. 2,617,837, Nov. 11.

Coleman, Harry L., Chicago, Ill. Adjustable liquid gauge. 2,609,687, Sept. 9.

Coleman, John A. H., Hatboro, Pa. Adjustable square. 2,618,859, Nov. 25.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Magnetic controlled gas rectifier tube. 2,585,439, Feb. 12.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Particle source. 2,611,878, Sept. 23.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Gas rectifier tube employing magnetic field. 2,615,139, Oct. 21.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Cold cathode gas-filled amplifier tube. 2,616,986, Nov. 4.

Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Nursing brassière. 2,613,355, Oct. 14.

Coleman, Joseph C., Kokomo, Ind. Fishing reel seat. 2,612,714, Oct. 7.

Coleman, Joseph E., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Crystal analysis apparatus. 2,585,916, Feb. 19.

Coleman, Joseph J., assignor to Burgess Battery Company, Freeport, Ill. Dry cell and separator therefor. 2,598,226, May 27.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,451, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,452, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,453, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,454, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,455, May 20.

Coleman, Joseph J., and D. V. Louzos, Waukegan, assignors to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,456, May 20.

Coleman, Lester I., Brooklyn, N. Y. Liquid dispensing and illuminating device for bottles. 2,598,357, May 27.

Coleman, Louis, assignee: *See*—
Cajumi, Franz.

Coleman, Louis, Westwood, N. J., assignor, by mesne assignments, to S. Lee, Brooklyn, N. Y. Refrigerating apparatus. 2,621,491, Dec. 16.

Coleman, Maurice L., assignor to Warren-Laboratories, Baltimore, Md. Denture. 2,611,956, Sept. 30.

Coleman Motors Corporation, assignee: *See*—
Holmes, Harleigh R.

Coleman, Paul D.: *See*—
Meier, Allen S., and Coleman.

Coleman, Paul D., Dayton, Ohio, assignor to The United States of America as represented by the Secretary of War. Unbalanced to balanced line transformer. 2,598,853, May 27.

Coleman, Theodore L., Hutchinson, Kans. Carrier apparatus for paper driers. 2,601,502, June 24.

Coleman, William B., Crete, Ill., and G. M. Coté, Wellesley, Mass., assignors to Victor Chemical Works. Single-bath chrome dyeing processes and compositions, including ammonium sulfate and diammonium phosphate. 2,593,850, Apr. 22.

Coleman, William C., assignor to The Coleman Company, Inc., Wichita, Kans. Nonflooding underfloor airheating furnace with auxiliary exterior air inlet. 2,592,862, Apr. 15.

Coleman, William E., Pittsburgh, Pa., assignor to United States Steel Corporation. Position following control. 2,587,118, Feb. 26.

Coleman, William L., assignee: *See*—
Rausch, Eugene E.

Coleman, William R.: *See*—
Jenesel, Nickolas D., Coleman, and Crooks.

Coleman, Willits E., Norristown, and J. P. H. Leavitt, Wayne, Pa., assignors to Container Corporation of America, Chicago, Ill. Paperboard pallet. 2,611,569. Sept. 23.

Coles, Herbert J., East York Township, Ontario, Canada. Baby's collapsible crib. 2,622,250, Dec. 23.

Coles, Otis C., Jr., El Paso, Tex. Beverage case. 2,613,839, Oct. 14.

Coles, Otis C., Jr., El Paso, Tex. Metallic cellular beverage case. 2,613,840, Oct. 14.

Coles, Robert F.: *See*—
Tulagin, Vsevolod, and Coles.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Water distributing device. 2,586,517, Feb. 19.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Spray deflector. 2,621,975, Dec. 16.

Coletti, Eugene J., Chicago, Ill. Refrigerated water system. 2,597,293, May 20.

Coley, Edward R., Durham, N. C. Method and apparatus for treating bundled tobacco. 2,597,620, May 20.

Colfax, Richard S., Jr.: *See*—
Bamford, Joseph C., Jr., and Colfax.

Colgan, William G., Oakland, Calif. Decoy. 2,590,842, Apr. 1.

Colgate-Palmolive-Peet Company, assignee: *See*—
Apperson, Lester D.
Apperson, Lester D., and Richardson.
Gebhart, Arthur I.
Gebhart, Arthur I., and Ross.
Goldsmith, Henry A.
Heald, Robert F.
Kirschenbauer, Hans G.
Lawrence, Edward A.
Ledgett, Lowell A.
Mahoney, John J.
Marshall, Donald E.
Monick, John A.
Percy, Joseph H.
Reichle, Hans.
Ross, John, and Trent.
Vitale, Peter T., and Leonard.

Colgrove, Robert D., Los Angeles, Calif. Can opener. 2,580,998, Jan. 1.

Colgrove, Robert D., assignor to Colgrove Tackle Co. Inc., Vancouver, Wash. Fishing reel. 2,589,776, Mar. 18.

Colgrove Tackle Co. Inc., assignee: *See*—
Colgrove, Robert D.

Colin, Jules, R. Burr, and A. Gafanesch, Mulhouse, assignors to Mines Domaniales de Potasse d'Alsace, Mulhouse, Haut Rhin, France. Mineral separation. 2,590,756, Mar. 25.

Colin, Jules, R. Burr, R. Friedrich and X. Herrgott, assignors to Mines Domaniales de Potasse d'Alsace, Mulhouse, Haut-Rhin, France. Froth flotation of potassium chloride from sodium chloride. 2,604,988, July 29.

Colinet, Rene D., Philadelphia, Pa., assignor to La Soudure Electrique Autogene S. A., Brussels, Belgium. Enclosed rolling mill. 2,603,114, July 15.

Colinet, Rene D., Philadelphia, Pa., assignor to La Soudure Electrique Autogene S. A., Brussels, Belgium. Welding rod or wire. 2,613,304, Oct. 7.

Collar, Frank R.: *See*—
Adams, Arthur R., Grizzard, and Collar.
Grizzard, Earle D., Collar, and Mitchell.

Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, England. Transmitting or receiving aerial for centimeter wave lengths. 2,583,766, Jan. 29.

Collard, John, London, England, assignor to Electric and Musical Industries, Limited. Electrical apparatus for detecting the presence of moving objects. 2,591,919. Apr. 8.

Collard, John, Hammersmith, London, and S. Hill, Stafford, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Coupling of electric waveguides. 2,606,967, Aug. 12.

Collardeau, Georges: *See*—
Fluchaire, Maurice L. A., and Collardeau.

Collender, Gustave A., assignor to Six Wheels, Inc., Los Angeles, Calif. Mounting for wheel brake operating mechanism. 2,606,036, Aug. 5.

Collette, William K., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Truck rim design. 2,586,206, Feb. 19.

Colley, Joseph R., Chesterton, Ind. Concrete cutting tool. 2,602,640, July 8.

Colley, Martin H., Big Delta, Alaska, assignor to the United States of America as represented by the Secretary of the Army. Trigger conversion device for rifles. 2,589,227, Mar. 18.

Colley, Russell S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for upsetting a headed tubular rivet while altering the shape of the rivet head. 2,583,727, Jan. 29.

Colley, Russell S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Installing tubular rivets. 2,588,907, Mar. 11.

Collier, Elsie A., assignee: *See*—
Von Hause, Anthony.

Collier, Fred W., and O. A. McDonough, Dardanelle, Ark. Poultry feeder. 2,607,318, Aug. 19.

Collier, George H., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Mechanical aircraft brake. 2,586,518, Feb. 19.

Collier, John E., assignor to Chrysler Corporation, Highland Park, Mich. Wedge adjustment torsion bar spring. 2,606,758, Aug. 12.

Collier, R. T., Corporation, assignee: *See*—
Collier, Robert T.

Collier, Raymond L., assignee: *See*—
Von Hause, Anthony.

Collier, Raymond L., Lakewood, Ohio. Ice cube tray. 2,594,127, Apr. 22.

Collier, Richard, Esher, England. Control means for hydraulic presses. 2,606,610, Aug. 12.

Collier, Robert T., assignee: *See*—
Knoy, Marion F.

Collier, Robert T., Palos Verdes Estates, assignor to R. T. Collier Corporation, Los Angeles, Calif. Making ammonium sulfite. 2,581,752, Jan. 8.

Collier, Thomas W., Brunswick, Ga. Venetian blind. 2,587,696, Mar. 4.

Colliery Engineering Limited, assignee: *See*—
Lawrie, Albert E., and Needham.

Collinge, Richard A.: *See*—
Appleton, Albert, and Collinge.

Collings Radio Company, assignee: *See*—
Hancock, Noel W., and McCoy.
Pyle, Ross S.

Collings, Thomas G.: *See*—
Derby, John H., and Collings.

Collings, William R., assignor to Dow Corning Corporation, Midland, Mich. Cooking utensil, its method of preparation, and the baking of bread therein. 2,606,510. Aug. 12.

Collini, Ruth W., New York, N. Y. Undergarment. 2,586,614, Feb. 19.

Collins & Aikman Corporation, assignee: *See*—
Bird, Whitworth F.
Keen, William R., and Hewton.

Collins, Arthur A., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency control system. 2,617,985, Nov. 11.

Collins, Arthur R., F. A. Ryder, and R. D. Randall, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Fuel burning air heater. 2,581,942, Jan. 8.

Collins, Cloyd L.: *See*—
Sommer, Walter L., Leeder, and Collins.

Collins, Daniel T., Ferndale, Mich. Water sealed air washer. 2,585,440, Feb. 12.

Collins, Don F.: *See*—
Apel, George E., and Collins.

Collins, Douglas, Salisbury, N. C. Shelf elevating mechanism and control. 2,614,020, Oct. 14.

Collins, Edward J., Los Angeles, Calif., assignor to R. T. Moloney, Chicago, Ill. Hydraulic governor head with speeder spring adjusting means. 2,590,940, Apr. 1.

Collins, Edward J., Los Angeles, Calif., R. H. Breither, Mount Prospect, and D. Pearl, Chicago, Ill., assignors to R. T. Moloney. Simulated crane amusement device. 2,600,849, June 17.

Collins, Edward W., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Machine for winding armatures. 2,615,639, Oct. 28.

Collins, Edward W., Chicago, Ill. Window washing and wiping device. 2,613,384, Oct. 14.

Collins, Findley A., assignee: *See*—
Muri, Homer T.

Collins, Fred V.: *See*—
Spalding, Kenneth F., and Collins.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Plastic-sealing apparatus. 2,589,777, Mar. 18.

Collins, Harold B.: *See*—
Johnson, Arthur C., Collins, and Johnson.

Collins, Howard A., Neenah, and H. M. Ruth, Appleton, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Tampon applicator grip forming apparatus. 2,600,971, June 17.

Collins, Howard W., Newark, and T. E. Philipps, Granville, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Gas and liquid contact pad. 2,610,893, Sept. 16.

Collins, Joseph F., Washington, D. C. Draftsman's template. 2,604,702, July 29.

Collins, Lawrence B., Orange, and C. A. Langstaff, Compton, Calif. Wire line stripper. 2,600,848, June 17.

Collins, Milford E., Studio City, Calif., assignor to Radio Corporation of America. Portable sound film recorder. 2,611,551, Sept. 23.

Collins Radio Company, assignee: *See*—
Biggs, John A., Heald, and Moseley.
Clark, John W., and Gamara.
Collins, Arthur A.
Doelz, Melvin L.
Gerks, Irvin H.
Hancock, Noel W.
Heald, Earl T.
Kennedy, Charles J.
Kohl, Walter H.
May, Richard W.
McCoy, David O.
Olson, Roy H.
Phillips, Edwin N.
Salisbury, Winfield W.
Schweighofer, Horst M., Nicholson, and Pyle.
Schweighofer, Horst M., and Pyle.
Smith, John W.
Wirkler, Walter H.

Collins, Robert C., assignee: *See*—
Spurling, Sherman D.

Collins, Ronald B., D. J. Fry, and O. E. Pratt, assignors to Ilford Limited, Ilford, England. Photographic color correction. 2,595,768, May 6.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Accumulator. 2,586,207, Feb. 19.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Heat exchanger. 2,596,008, May 6.

Collins, Samuel C., Watertown, assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass. Expansion engine. 2,607,322, Aug. 19.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rectifying apparatus. 2,610,046, Sept. 9.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Heat exchanger. 2,611,586, Sept. 23.

Collins, Samuel C., Watertown, Mass., and W. W. Paget, Michigan City, Ind., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Apparatus for providing oxygen or other gases to meet variable demands. 2,601,764, July 1.

Collins, Samuel V., Port Lavaca, Tex. Apparatus for laying and retrieving pipe lines. 2,602,300, July 8.

Collins, Samuel W., Tulsa, Okla. Apparatus for drilling wells. 2,605,083, July 29.

Collins Supply and Equipment Company, assignee: *See*—
Hoffman, Frank A.

Collins, Thomas W., Jr., Iselin, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Lime-free calcium arsenate and gamma benzene hexachloride insecticide and method. 2,586,519, Feb. 19.

Collins, Walter C., assignee: *See*—
Opp, Fred W.

Collins, Warren H.: *See*—
Valen, James L., and Collins.

Collins, William B., assignee: *See*—
Heath, Almon A.

Collins, William J., Seattle, Wash. Cat collar. 2,612,139. Sept. 30.

Collinson, Eric S.: *See*—
Clarke, John S., and Collinson.

Collis, J., & Sons, Limited, assignee: *See*—
Collis, Leslie A.

Collis, Leslie A., Radlett, assignor to J. Collis & Sons, Limited, London, England. Conveyor drive. 2,583,471, Jan. 22.

Collis, Leslie A., Radlett, England. Conveyer. 2,591,237, Apr. 1.

Collis, Melvin, Klamath Falls, Oreg. Portable electric saw sharpener. 2,600,850, June 17.

Collis, Raymond E., Summit, N. J., and J. W. Dehn, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric delay circuit. 2,600,482, June 17.

Collison, George C., Washington, D. C. Air-conditioning method and apparatus therefor. 2,602,307, July 8.

Collison, John G., deceased, Greensboro, N. C.: Marie B. Collison, administratrix. Trochanteric plate for bone surgery. 2,612,159, Sept. 30.

Collison, Marie B., administratrix: *See*—
Collison, John G.

Collison, William J., Pasadena, Calif. Garbage disposal and sink soil fitting. 2,584,423, Feb. 5.

Colliton, Roy A., Clayton, Mo. Receptacle for coins and the like. 2,597,227, May 20.

Collman, Gilbert, Newton Abbot, England. Water supply or control apparatus. 2,608,987, Sept. 2.

Collura, Francesco, New York, N. Y. Hacksaw frame. 2,606,585, Aug. 12.

Collura, Peter C., Waltham, Mass., assignor to Container Corporation of America, Chicago, Ill. Carton. 2,623,684, Dec. 30.

Collux A. G., assignee: *See*—
Haefell, Theodor.

Collyer, Leonard C., Wollongong, New South Wales, Australia, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Handling of pins. 2,604,576, July 22.

Colodny, Samuel H.: *See*—
Clapp, Richard G., Colodny, and Wise.

Colomb, Henri, Prilly-Lausanne, Switzerland. Fluid-tight casing, especially for watches. 2,621,468, Dec. 16.

Colomb, Marc, assignor to Fabrique d'Ebaauches de Peseux S. A., Peseux, Switzerland. Self-winding watch. 2,585,228, Feb. 12.

Colombo, Benjamin D., Oakland, assignor of forty-nine one hundredths to H. F. Erickson, San Leandro, Calif. Soil penetrating roller. 2,601,591, June 24.

Colombo, Roberto, Turin, Italy. Extrusion head for molding synthetic resins. 2,592,658, Apr. 15.

Colombo, Roberto, Turin, Italy. Manufacturing hose of synthetic thermoplastic materials. 2,597,975, May 27.

Colombo, Roberto, Turin, Italy. Manufacture of phonograph and like sound records. 2,616,125, Nov. 4.

Colonial Alloys Company, assignee: *See*—
Cohn, Charles C.

Colonial Art Co. Inc., assignee: *See*—
Hamilton, Richard G.

Colonial Broach Company, assignee: *See*—
Abbott, Olney J., Jr.
Gotberg, Harry H., and Silvagi.
Jessup, James L.
Welte, Benedict.
Welte, Benedict, and Abbott.

Colonial Insulator Company, The, assignee: *See*—
Ganz, Rudolph V.

Colonial Radio Corporation, assignee: *See*—
Nauth, Edgar K.

Colonna, Angelo, Philadelphia, Pa. Glass washing basket. 2,586,005, Feb. 19.

Colonna, Angelo, Philadelphia, Pa. Latch mechanism. 2,600,483, June 17.

Colonna, Angelo, Philadelphia, Pa. Steam pad. 2,602,646, July 8.

Colonna, Angelo, Philadelphia, Pa. Rotary door pull and catch. 2,615,744, Oct. 28.

Color Research Corporation, assignee: *See*—
Grimson, Samuel B.

Color Television, Inc., assignee: *See*—
Sleeper, George E., Jr.

Colorado Iron Works Company, assignee: *See*—
Bitzer, Edmund C.

Colson Corporation, The, assignee: *See*—
Roe, William C.
Roe, William C. and Nightingale.

Colston, Archibald G., assignor to Hoover (Washing Machines) Limited, Perivale, Greenford, England. Emptying pump for washing machines. 2,619,826, Dec 2.

Colston, William D., Maywood, Ill. Spray guard for outboard motor boats. 2,592,011, Apr. 8.

Colt, Ralph S.: *See*—
Nowak, Chester J., and Colt.

Coltman, John W.: *See*—
Marshall, Fitz-Hugh B., and Coltman.

Coltman, John W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Black screen television cathode-ray tube. 2,616,057, Oct. 28.

Coltman, John W., and R. L. Longini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protection of phosphors from attack by alkali vapors. 2,586,304, Feb. 19.

Coltman, John W., and R. L. Longini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Image intensifier tube. 2,606,299, Aug. 5.

Coltman, John W., and R. L. Longini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron diffraction detecting system. 2,619,598, Nov. 25.

Colucci, Giuseppe, Naples, Italy. Variable-speed gearing. 2,582,620, Jan. 15.

Columbe, Maynard J., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for combined electron microscope and diffraction. 2,606,292, Aug. 5.

Columbia Baking Company, assignee: *See*—
Hexter, Joseph, and Lanham.

Columbia Boiler Company, assignee: *See*—
Hauck, John N.

Columbia Broadcasting System, Inc., assignee: *See*—
Carreau, Gerald.
Christensen, John W.
Goldmark, Peter C., and Youngquist.

Columbia Electric and Manufacturing Company, assignee: *See*—
Caferro, Edward M.

Columbia Machine Works, assignee: *See*—
Nelson, Russell B., Davies, and Neth.

Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.

Columbia Protektosite Co., Inc., assignee: *See*—
Baldanza, Nicholas T.
Castelli, Charles.

Columbia Records Inc., assignee: *See*—
MacDonald, James R.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*—
Johnson, Arthur A.
Newman, Douglas A.

Columbia Sewing Machine Corporation, assignee: *See*—
Taylor, Thomas D.

Columbia-Southern Chemical Corporation, assignee: *See*—
Allen, Edward M.
Hurd, Charles D.
Muskat, Irving E., and Strain.
Neubauer, Joseph A.
Neubauer, Joseph A., Ehlers, Twichans, and Elmore.
Towle, Warren L.

Columbia Truck & Equipment Sales, Inc., assignee: *See*—
Diehl, William C., Jr.

Columbian Carbon Company, assignee: *See*—
Ekholm, Wesley C.
Ekholm, Wesley C., and Heller.
Heller, George L.
Howell, Maurice R.
Sweitzer, Carl W.

Columbiana Boiler Company, The, assignee: *See*—
Barrow, James R.

Columbus Auto Parts Company, The, assignee: *See*—
Flumerfelt, William A.

Columbus Dental Manufacturing Co., The, assignee: *See*—
Clark, John E.

Columbus, John C., Ferguson, Mo. Vented coffee maker. 2,606,490, Aug. 12.

Columbus McKinnon Chain Corporation, assignee: *See*—
Parker, Humphrey F.
Robins, Erford E., and Parker.
Stuller, Earl A.

Colvilles Limited, assignee: *See*—
Barr, William, and Erskine.

Colvin, Charles H., Morris Township, Morris County, N. J. Potentiometer. 2,617,912, Nov. 11.

Colvin, Clifford, Detroit, Mich., assignor to G. M. Holley and E. Holley. Electrical ignition control. 2,596,840, May 13.

Colvin, Clifford, Detroit, and E. C. Bettoni, Bloomfield Hills, assignors to Holley Carburetor Company, Detroit, Mich. Spring support for ignition circuit breakers. 2,581,077, Jan. 1.

Colvin, Edward H., Indianapolis, Ind. Ladder jack. 2,605,950, Aug. 5.

Colvin, John R., III, Philadelphia, Pa. Safety attachment for smokers. 2,610,636, Sept. 16.

Colvin, John W., Glendale, Ariz. Core for use in molding concrete pipe in situ. 2,605,534, Aug. 5.

Colvin, Nolan D.: *See*—
Coultas, Wilbur J., Colvin, and Palmer.

Colvin, Nolan D., assignor to Deere & Company, Moline, Ill. Dismountable tractor mower. 2,622,383, Dec. 23.

Colvin, Robert H., Delavan, Wis., assignor to Burd Piston Ring Co., Rockford, Ill. Piston ring. 2,591,920, Apr. 8.

Combe, Louis J., Riverside, Calif. Panoramic camera spring motor. 2,581,633, Jan. 8.

Combined Metal Reduction Company, assignee: *See*—
Dering, Roger.
Klepetko, Ernest, Kaye, and Hartzell.
Marquardt, Carlton M.

Combs, Charles S.: *See*—
Gosling, John W., and Combs

Combs, Dudley P.: *See*—
Smith, Thomas R., and Combs.

Combüchen, Peter: *See*—
Kloss, Richard, Engels, and Combüchen.

Combustion Control Corporation, assignee: *See*—
Thomson, E. Craig, and Cade.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Armacost, Wilbur H.
Armacost, Wilbur H., and Schoenfeld.
Caracristi, Virginius Z., and Mittendorf.
Crites, Joe.
Frangquist, Gustav H.
Hamm, Alexander L.
Hochmuth, Frank W.
Huet, André P. J.
Jackson, George P.
Lacerenza, Joseph A.
Marshall, Leonard J.
Meissner, Harold G., and Jackson.
Mittendorf, Harvey C., and Paulison.
Patterson, Ward S.
Patterson, Ward S., and Powell.
Patterson, Ward S., and Witzke.
Paulison, William L., Jr., and Mittendorf.
Ragusan, James J.
Reich, John A.
Schoenfeld, David M.
Skelly, John S.
Toensfeldt, Kurt.
Woynar, Basil.

Comegys, Courtney L., University Heights, and E. A. Haig, Shaker Heights, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Address plate retaining means. 2,600,972, June 17.

Comerford, Robert E., and A. W. Fuhrman, Naugatuck, and L. F. Marous, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with nitriles. 2,616,888, Nov. 4.

Comet Envelope & Paper Co., Inc., assignee: *See*—
Gerbe, Jack.

Comey, Charles S.: *See*—
Bacon, Elbridge F., Comey, and Saxton.

Comey, R. H., Company, Inc., assignee: *See*—
Hope, Henry B.

Comfort, Edward F., Detroit, Mich. Storm door and panel construction. 2,611,933, Sept. 30.

Comfort, Lydia E. J., Minneapolis, Minn. Cast-sock. 2,596,211, May 13.

Comiskey, Anthony T., Sr., Chicago, Ill. Windshield for motorcycles and similar vehicles. 2,589,993, Mar. 18.

Comley, Eugene A.: *See*—
Morgan, Jack R., Alexander, and Comley.

Commerce, United States of America as represented by the Secretary of, assignee: *See*—
Dunmore, Francis W.
Forman, Ralph.
Hunter, Richard S.
Isbell, Horace S.
Peters, Chauncey G., and Harris.
Schiefer, Herbert F.

Commercial Controls Corporation, assignee: *See*—
Gottschau, Christian M.
Uhl, William H.

Commercial Radio-Sound Corp., assignee: *See*—
Kamen, Ira.

Commercial Shearing & Stamping Co., The, assignee: *See*—
Kane, Thomas C.
White, Thomas L.

Commercial Solvents Corporation, assignee: *See*—
Dale, Julian K.
Goodale, Charles D.
Hickey, Richard J.
Hodge, Edward B.
Larsen, Don H.
Mast, George W.
Mitchell, Winifred R.
Schmitz, Fred W., and Egly.
Senkus, Murray, and Markunas.
Shurter, Robert A.
Stanley, Alfred R.
Stengel, Leonard A.
Stiles, Hugh R.
Tryon, Philip F.
Winnek, Philip S.
Young, Vernon V.

Commerford, Raymond, assignee: *See*—
Belmonte, John.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Bonner, Frank E., and Nack.
Cunningham, George L.
Davis, Oliver F., and Belitz.
Davis, Oliver F., and Nack.
Keckler, Norman F.
Lewis, Elisha B.
Toulmin, Harry A., Jr.
Wenzelberger, Elwood P.

Commonwealth Research Laboratories, assignee: *See*—
Asaff, Annis G.

Communication Engineering Pty. Limited, assignee: *See*—
Law, Peter L.
Owen, Lloyd J.
Skillman, Thomas S., and Lackey.

Como, Ilio, Chicago, Ill. Hermetically sealed meal compact. 2,597,567, May 20.

Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme), assignee: *See*—
Brun, Max A., and Sauvage.

Compagnie des Freins et Signaux Westinghouse, assignee: *See*—
Dubar, Léon J. M. J., and Millet.
Guillemin-Tarayre, Jean, and Neveu.

Compagnie des Machines Bull (Societe Anonyme), assignee: *See*—
Knutsen, Knut A.

Compagnie Francaise de Raffinage, assignee: *See*—
Lienhart, Jean.

Compagnie Francaise de Raffinage (Societe Anonyme), assignee: *See*—
Gislon, André.
Massiot, Louis.
Woog, Paul.

Compagnie Generale de Construction de Locomotives (Batignolles-Chatillon), assignee: *See*—
Le Lan, Armand M.

Compagnie Generale de Geophysique, Latour Maubourg, assignee. *See*—
Kunetz, Géza.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Bertein, François.
Berterottiere, René.
Brick, Lothar.
Colas, Marcel.
Danzin, André.
Denis, Marcel, and Palluel.
Grivet, Pierre, and Bertein.
Gutton, Henri.
Gutton, Henri, and Legros.
Huber, Harry, and Brick.
Lecuir, René.
Lerbs, Alfred.
Ortusi, Antoine J.
Robillard, Jean, and Pierrée.
Warnecke, Robert.

Compagnie Generale d'Electricite, assignee: *See*—
Bitterli, Emile V., and Forrer.
Comte, Georges N.
Leroy, Robert P.
Lesigne, Henri L.
Macardier, Louis P.

Compagnie Industrielle des Piles Electriques C. I. P. E. L., assignee: *See*—
Portail, Fernand.

Compagnie Industrielle des Telephones, assignee: *See*—
Garderè, Henri.
Hurault, Jean L.
Jouguet, Marc.
Jouguet, Marc F. G.
Lesigne, Henri L.

Compagnie Internationale des Pieux Armés Frankignoul, Liege, Belgium, Societe Anonyme, assignee: *See*—
Jourdain, André P.

Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, assignee: *See*—
Jourdain, André P.

Compagnie Pour La Fabrication des Compteurs et Materiel D'Usines a Gaz, assignee: *See*—
Bathelemy, Rene.

Compagnie Universelle d'Acetylene et d'Electro-Metallurgie, assignee: *See*—
Gamet, Gérard A. M., and Bromet.

Compo Shoe Machinery Corporation, assignee: *See*—
Small, Edward F.

Comptoir des Textiles Artificiels, assignee: *See*—
Drisch, Nicolas, and Bonnet.

Compton, Charles E., Shinnston, W. Va. Mining machine head. 2,594,256, Apr. 22.

Compton, Charles E., Clarksburg, W. Va. Mining machine. 2,616,677, Nov. 4.

Compton, Clarence R., Littleton, Colo. Three-dimensional pantographic reproducing machine. 2,610,404, Sept. 16.

Compton, Frank A., Jr., Erie, Pa., assignor to General Electric Company. Rotor for dynamoelectric machines. 2,593,105, Apr. 15.

Compton, Henry P., assignor to The Simplex Company, Abilene, Tex. Parking coin depository. 2,593,985, Apr. 22.

Compton, Sherman W., Martinsburg, and J. G. Hall, Reedsville, W. Va. Side cutting rotary tool. 2,623,552, Dec. 30.

Compule Corporation, The, assignee: *See*—
Lockhart, Marshall L.

Comstock, Clarence A., New Britain, Conn. Combination gauge and fixture set. 2,593,986, Apr. 22.

Comstock, George E., 3rd, Holden, assignor to Norton Company, Worcester, Mass. Molded alumina. 2,618,567, Nov. 18.

Comstock, George F.: *See*—
Urban, Stephen F., and Comstock.

Comstock, Harvey L., Taft, Calif. Cat head. 2,619,322, Nov. 25.

Comstock & Wescott, Inc., assignee: *See*—
Young, Ernest H.

Comte, Georges N., Lyon, assignor to Compagnie Generale d'Electricite, Paris, France. Device for measuring the resonance-magnification of resonant systems. 2,600,973, June 17.

Comte, Robert E., Clarens, near Montreaux, assignor to Developpements et Creations d'Appareils Industriels S. A., Lausanne, Switzerland. Device for gathering glass by suction from glass furnaces. 2,602,271, July 8.

Comtois, Ernest R.: *See*—
Morgan, Myles, and Comtois.

Comtor Company, The, assignee: *See*—
Hunter, William B.

Conangla, Amado, Sharon Hill, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Reclosing circuit breaker. 2,609,421, Sept. 2.

Conangla, Amado, Sharon Hill, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker control. 2,611,796, Sept. 23.

Conard, Wendell R., Kent, and C. E. Best, Franklin Township, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Use of mercaptans in copolymerization of vinyl sulfides with acrylonitrile. 2,605,256, July 29.

Concannon, Leo E.: *See*—
Baer, Maurice E., and Concannon.

Concentric Manufacturing Co. Limited, assignee: *See*—
Elvis, Wilfred H.

Conciatori, Anthony: *See*—
Kraus, Gerard, and Conciatori.

Conciatori, Anthony B.: *See*—
Salvin, Victor S., and Conciatori.

Concord Cheese Corporation, assignee: *See*—
Gherbaz, Joseph F.

Condemi, Bruno, Yardville, N. J. Crib rocking mechanism. 2,608,697, Sept. 2.

Condit, Daniel H.: *See*—
Johnson, Arthur B., and Condit.

Condit, Daniel H., Lafayette, assignor to California Research Corporation, San Francisco, Calif. Neutralizing and spray drying a solution of organic sulfonic acid. 2,594,875, Apr. 29.

Condit, Elvin C., Glendale, Calif. Device for colonic irrigation or bowel flushing. 2,617,416, Nov. 11.

Condit, Elvin C., Glendale, Calif. Douche nozzle. 2,617,417, Nov. 11.

Condit, William B., and D. L. Getz, assignors to The Steel Products Engineering Company, Springfield, Ohio. Filler cap assembly. 2,616,585, Nov. 4.

Condliffe, George E., Gerrards Cross, M. G. Harker, Pinner, and W. P. Lucas, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, England. Flying spot scanning of continuously moving film. 2,622,147, Dec. 16.

Condon, Francis E.: *See*—
Clark, Alfred, and Condon.

Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of pinacolone. 2,596,212, May 13.

Condon, Francis H., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Washing machine transmission. 2,585,300, Feb. 12.

Condon, Francis H., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Washing machine provided with adjustable float valve. 2,619,824, Dec. 2.

Condon, Howard M., assignor to Grand Duchess Steaks, Inc., Akron, Ohio. Meat product and treating meat. Re. 23,482, Apr. 29.

Condon, James E., Roxbury, Mass. Collapsible table mountable on automobile seat. 2,585,742, Feb. 12.

Condon, John C., Oak Park, Ill., assignor of one-half to W. K. Munson, Red Bank, N. J. Self-attaching index tab. 2,623,311, Dec. 30.

Condon, John C., Oak Park, Ill., assignor of one-half to W. K. Munson, Red Bank, N. J. Portable locked copy ticket writer. 2,623,761, Dec. 30.

Condon, Marjorie Z.: *See*—
Altschul, Aaron M., Condon, and Lambou.

Condra, Elmo L., Long Beach, Calif. Feeler tool for casing protuberances. 2,590,233, Mar. 25.

Cone Automatic Machine Company Inc., assignee: *See*—
Miller, Carroll E.
Ranney, Herbert H.

Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Apparatus for annealing annular coils of sheet metal. 2,600,094, June 10.

Cone, Charles N., Portland, Oreg., assignor to United States Plywood Corporation, New York, N. Y. Chromium-cellulose ether modified phenolic adhesives. 2,592,659, Apr. 15.

Cone, Charles N., Portland, Oreg., assignor to United States Plywood Corporation, New York, N. Y. Phenol aldehyde adhesive containing a chromium compound. 2,612,481, Sept. 30.

Cone, Charles N., Portland, Oreg., assignor to United States Plywood Corporation, New York, N. Y. Methyl cellulose-modified phenolic adhesive and plywood product. 2,613,167, Oct. 7.

Conery, William J., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Double rotary jet pump. 2,603,157, July 15.

Conery, William J., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Horizontal jet type pump for shallow or deep wells. 2,608,157, Aug. 26.

Conery, William J., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Pumping apparatus. 2,615,397, Oct. 28.

Coney, Jacob W., Norwich, Conn. Lunch box. 2,611,476, Sept. 23.

Coney, Robert L., Levittown, assignor to The Prehy Co., Incorporated, New York, N. Y. Concrete conveying apparatus. 2,599,235, June 3.

Conforti, Emile D. *See*—
Roberts, Willard A., Moore, and Conforti.

Conforto, Michael, Philadelphia, Pa. Roofer's slag scraper. 2,586,917, Feb. 26.

Congdon, Richard L., Dallas, Tex., assignor to General Instruments Inc. Seismometer. 2,582,769, Jan. 15.

Congoleum-Nairn Inc., assignee: *See*—
Palmer, Leon B., and Charlton.
Petry, Robert K.

Conkle, Gordon A., East Cleveland, Ohio, assignor to General Electric Company. Two-lamp wrapper. 2,611,531, Sept. 23.

Conklin, Dwight B., Gibraltar, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Tesing for quaternary ammonium compounds. 2,599,697, June 10.

Conklin, George E., Rushland, Pa. Wire-hose-clamp-applying device. 2,600,394, June 17.

Conklin, Lloyd W., Toronto, Ontario, Canada. Composition for rendering printing rollers nonmeltable. 2,598,761, June 3.

Conklin, William C., St. Paul, Minn., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Force fitted case for single cells. 2,608,595, Aug. 26.

Conkling, William C., West Caldwell, assignor to Wallace & Tiernan Co. Inc., Belleville, N. J. Gas flow control apparatus. 2,619,114, Nov. 25.

Conkwright, L. M., assignee: *See*—
Atkinson, William H.

Conley, Frank, and S. G. Budal, assignors to The Globe-Wernicke Co., Norwood, Ohio. Visible reference desk stand. 2,617,219, Nov. 11.

Conley Frog and Switch Co., assignee: *See*—
Summerhays, William A.

Conlin, Agnes M., Newark, N. J. Lighted darning ball. 2,623,987, Dec. 30.

Conlon-Moore Corporation, assignee: *See*—
Freis, Frederick M.
Hank, Bernard J.

Conmar Products Corporation, assignee: *See*—
Berman, Hans, and Prupis.
Epple, Paul F.
Jones, Lester L.
Mikulas, William.
Moehler, Otto J.
Schaye, Jack M.
Wintriss, George.

Conn, C. G., Ltd., assignee: *See*—
Greenleaf, Leland B., and Swanson.
Kent, Earle L.
Lewan, George.
Loney, Hugh W.
Long, Thomas H.
Way, George H.

Conn, Ellard G.: *See*—
Kohn, Ellard G.

Connally, Ernest L., Waco, Tex. Casket table. 2,601,714, July 1.

Connally, Robert H., Stephenville, Tex. Suspension device for beds. 2,606,329, Aug. 12.

Connecticut Asbestos Products, Inc., assignee: *See*—
Wirth, Hans.

Connecticut Footwear, Inc., assignee: *See*—
Spack, Maurice.

Connell, John M.: *See*—
McCabe, Hilton H., Connell, Dalley, and Richards.

Connell, Lawrence H., Detroit, Mich. Blasing system for magnetic recorders. 2,604,546, July 22.

Connellan, Martin F., Pasadena, Calif. Rest or support for cigarettes and cigars. 2,588,208, Mar. 4.

Conner, Guy O., Cleveland Heights, Ohio. Clamp. 2,591,512, Apr. 1.

Conner, Guy O., Cleveland Heights, Ohio, assignor to Diamond Building Products Corporation, Pittsburgh, Pa. Window construction. 2,595,451, May 6.

Conner, Guy O., East Cleveland, Ohio. Die aligner. 2,596,213, May 13.

Conner, Jack S., Los Angeles, Calif. Water heater. 2,592,863, Apr. 15.

Conner, Ray C.: *See*—
Lewis, George G., and Conner.

Conner, Ray E., and J. W. Taylor, Houston, Tex. Pit-level indicator. 2,618,155, Nov. 18.

Conner, William L., Philadelphia, Pa. Surgical truss with adjustable pad. 2,608,970, Sept. 2.

Conning, Keith, Columbus, Ohio. Armrest attachment for motor vehicles. 2,602,488, July 8.

Connolly, Frances L., administratrix, assignee: *See*—
Connolly, Howard.

Connolly, Gerald C., Baltimore, Md., assignor to Standard Oil Development Company. Preparation of a silica-metal oxide gel catalyst. 2,595,056, Apr. 29.

Connolly, Gerald C., Baltimore, Md., assignor to Standard Oil Development Company. Forming silica-containing gel particles into strong tablets. 2,618,615, Nov. 18.

Connolly, Howard, deceased; F. L. Connolly administratrix, assignor to F. L. Connolly, Deming, N. Mex. Adjustable pedal crank hub for bicycle frames. 2,602,677, July 8.

Connolly, John E.: *See*—
Skillman, Newton, Jr., and Connolly.

Connolly, John J.: *See*—
Marshall, Joseph C., and Connolly.

Connolly, John J., assignor to The Teleregister Corporation, New York, N. Y. Apparatus for displaying magnetically stored data. 2,594,731, Apr. 29.

Connolly, William B., assignor to Rochester Manufacturing Company, Rochester, N. Y. Warning signal system. 2,605,339, July 29.

Connor, James F., Cleveland, Ohio. Wheeled shopping bag. 2,597,294, May 20.

Connor, James F., Cleveland, Ohio. Milk can holder. 2,597,295, May 20.

Connor, John E., and C. E. Gustafson, Elizabeth, N. J., assignors to Standard Oil Development Company. Removal of sulfur compounds from hydrocarbon fractions. 2,604,437, July 22.

Connor, Kathleen M., and C. W. Bogan, Washington, D. C. Bottleholder. 2,596,009, May 6.

Connor, Roger: *See*—
Burke, William F., and Connor.

Connor, Roger, assignor to The McBee Company, Athens, Ohio. Collating writing board. 2,598,358, May 27.

Connor, Roger, and H. E. Hooe, assignors to The McBee Company, Athens, Ohio. Method and apparatus for mounting film on cards. 2,588,087, Mar. 4.

Connor, Thomas J. B., assignor to H. V. McKay Massey Harris Proprietary Limited, Sunshine, Victoria, Australia. Knot tying mechanism. 2,608,426, Aug. 26.

Connor, Vincent T., assignee: *See*—
Bula, Frank J.

Connor, W. B., Engineering Corporation, assignee: *See*—
Dauphinee, George S.

Connors, George H., assignor to Highway Trailer Company, Edgerton, Wis. Electrically controlled depth indicator for boring machines. 2,607,834, Aug. 19.

Connors, George H., assignors to Highway Trailer Company, Edgerton, Wis. Hole boring machine. 2,614,806, Oct. 21

Connors, Gerald, and F. Chicoine, Jefferson, S. Dak. Dirigible front unit for high clearance tractors. 2,619,361, Nov. 25.

Connors, John: *See*—
Burgess, Robert W., Baehr, and Connors.

Connova, Frank J.: *See*—
Simmons, Lillian P., and Connova.

Conoflow Corporation, assignee: *See*—
Werey, Rudolph B.

Conolly, Allan J., Stillwater, Minn. Pocket burglar alarm. 2,608,175, Aug. 26.

Conover, George E., Garland, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pressure measuring instrument. 2,617,304, Nov. 11.

Conover, James H.: *See*—
Frost, Orcutt W., and Conover.

Conrad, Carl M.: *See*—
Ward, Kyle, Jr., Conrad, and Segal.

Conrad, Edgar F., Milwaukie, Oreg. Holder for generator pulleys. 2,622,463, Dec. 23.

Conrad, John F., assignor to Deltron Electric Products, Inc., Ebensburg, Pa. Electrical connector of the trolley tap type. 2,582,621, Jan. 15.

Conrad, John F., assignor to Deltron Electric Products, Inc., Ebensburg, Pa. Fused electrical connector. 2,614,190, Oct. 14.

Conrad, Joshua C., deceased, Oklahoma City, Okla.; C. J. Watts, executor. Mud pressure gauge. 2,580,999, Jan. 1.

Conrad, Loris H.: *See*—
Burge, James S., McKee, Rider, Conrad, and Foust.

Conrad, Martin B., Huntington Park, assignor to Baker Oil Tools, Inc., Vernon, Calif. Gas pressure operated well apparatus. 2,618,343, Nov. 18.

Conrad, Martin B., Huntington Park, and R. K. Matlack, Maywood, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well packer. 2,602,513, July 8.

Conrad, Matthew, Philadelphia, Pa., assignor to Stromberg-Carlson Company. Apparatus for testing amplifiers. 2,587,697, Mar. 4.

Conrad, Owen, assignor to Metal Products Corporation, Miami, Fla. Ejecting means for machines for making frames. 2,613,719, Oct. 14.

Conrad, Richard, Heidelberg, Germany. Production of unsaturated hydrocarbons. 2,619,511, Nov. 25.

Conrad, William T., Lawndale, assignor of one-half to E. Timbs, Los Angeles, Calif. Gopher trap. 2,598,974, June 3.

Conron, William H., Haddonfield, and F. H. Schneider, Westville, N. J., assignors to Radio Corporation of America. Socket for lighthouse tubes. 2,621,226, Dec. 9.

Conroy, Charles L., and D. F. Stranberg, Libertyville, Ill. Apparatus for attaching hose couplings. 2,622,652, Dec. 23.

Conroy, Edward H.: *See*—
Warinner, Warren D., and Conroy.

Consalvi, Anthony L., Philadelphia, G. H. Webber, Conshohocken, Pa., and H. C. Lawrence, Jr., Haddonfield, N. J., assignors to Radio Corporation of America. Switch register. 2,614,181, Oct. 14.

Considine, Douglas M., North Hills, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,604,108, July 22.

Conso Fastener Corporation, assignee: *See*—
Erhardt, William A., Jr.

Consoletti, Paul C., Milford, assignor to Draper Corporation, Hopedale, Mass. Harness frame for looms. 2,618,296, Nov. 18.

Consolidated Car-Heating Company, Inc., assignee: *See*—
Hamilton, Wallace.

Consolidated Edison Company of New York, Inc., assignee: *See*—
Rifenburg, Ray C.
Williams, Ernest, and Bogdanowski.

Consolidated Electric Company, assignee: *See*—
Adler, Robert.
Rees, Thomas I.

Consolidated Electric Lamp Company, assignee: *See*—
Snow, Howard C., Kelley, and Sayward.

Consolidated Engineering Corporation, assignee: *See*—
Berry, Clifford E.
Hull, Richard W.
Pallette, Gordon W.
Perkins, George D.
Perkins, George D., and Robinson.
Richardson, Arthur D.
Robinson, Charles F.
Washburn, Harold W.

Consolidated Equipment Co., assignee: *See*—
Barton, Murray M.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Betz, Paul L.

Consolidated Machine Tool Corporation, assignee: *See*—
Forward, Worthy J. F., and Roberts.
Langdon, Howard H.

Consolidated Mining and Smelting Company of Canada, Limited, The, assignee: *See*—
Doyle, Harold.

Consolidated Packaging Machinery Corporation, assignee: *See*—
Gantzer, Howard E.

Consolidated Paper Company, assignee: *See*—
Hollinshead, James A.

Consolidated Products Company, assignee: See—
Lewis, Dan, and Weisberg.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Redlich, Solomon.
Schulder, Paul.

Consolidated Trimming Corporation, assignee: *See*—
Bernhard, Joseph.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bordelon, Lawrence J.
Boyle, Frank A.
Brady, Merle C.
Churchman, Edwin T.
May, La Verne E.
Simpson, Norman H., and Smith.
Special, Salvatore T.
Werner, Robert V.

Consolidated Water Power & Paper Co., assignee: *See*—
Plzak, James J., and Husome.
Richmond, Howard B., and Mortensen.

Consolo, Michael D., Wilkinsburg, and G. V. Clanton, Jamestown, Pa.; said Consolo assignor to said Clanton. Securing means for outboard motors. 2,600,095, June 10.

Constable, James M., Ozone Park, N. Y. Geiger tube radiation meter. 2,584,844, Feb. 5.

Constance, Jack J., Bartlesville, Okla., assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,615,568, Oct. 28.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Clothes drier. 2,590,295, Mar. 25.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Injector for powdered materials. 2,598,227, May 27.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Clothes drier. 2,600,210, June 10.

Constantine, Arthur R., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Combination washer and drier. 2,607,209, Aug. 19.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Automatic washing machine with detergent injector. 2,612,034, Sept. 30.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Ironing machine. 2,622,352, Dec. 23.

Constantino, Joseph D., Boston, Mass. Fire alarm system. 2,588,964, Mar. 11.

Construction Improvements Limited, assignee: *See*—
Bateman, Norman S.

Consumer-Pak Machine Co., assignee: *See*—
Miller, Cecil, Snyder, and Swaisgood.

Conta, Lewis D., Rochester, N. Y., and J. Tetl, Plainfield, N. J., assignors to Air Reduction Company, Incorporated. Flashback-proof gas burner. 2,618,322, Nov. 18.

Conta, Lewis D., Rochester, N. Y., and J. Tetl, Plainfield, N. J., assignors to Air Reduction Company, Incorporated. Flashback-proof gas mixer. 2,618,539, Nov. 18.

Contact, Inc., assignee: *See*—
Ammon, Roscoe A.

Container Corporation of America, assignee: *See*—
Andrew, James B. W., Jr.
Chidsey, Francis A., Jr.
Coleman, Willits E., and Leavitt.
Collura, Peter C.
Foster, Thomas W.
Hackman, Frank W., and Poole.
Hunsworth, Melvin T.
Leavitt, James P. H.
Liebl, Albert W.
Nemoede, Paul A.
Parker, George H.
Rothe, Charles R., and D'Esposito.
Sider, Nicholas M.

Container Equipment Corporation, assignee: *See*—
Woelfer, Robert O.

Conterno, Charles, New York, N. Y. Hygienic spray attachment. 2,600,619, June 17.

Conti, Angelo J.: *See*—
Heller, Max A., and Conti.

Conti, Giampietro, assignor to Siemens Societa per Azioni, Milan, Italy. Söderberg electrode suspension. 2,580,518, Jan. 1.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Packaging machine. 2,586,006, Feb. 19.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Automatic weighing mechanism. 2,597,069, May 20.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Carton-sealing and handling machine. 2,597,922, May 27.

Contina Bureaux- und Rechenmaschinenfabrik A. G. Leichtenstein, assignee: *See*—
Herzstark, Curt.

"Contina" Buro- und Rechenmaschinenfabrik A. G., assignee: *See*—
Herzstark, Curt.

Continental Aviation & Engineering Corporation, assignee: *See*—
Bachle, Carl F.
McVeigh, John R.
Parducci, William J.

Continental Briar Pipe Co., Inc., assignee: *See*—
Wilson, George R.

Continental Can Company, Inc., assignee: *See*—
Bendix, Gordon H., Henry, and Strodtz.
Goldsworthy Norman H.
Henchert, John.
Henchert, John, and Punte.
Hoffecker, John W.
Hurley, Elmer B.
Johnson, Scott R.
Johnson, Scott R., Royal, and Schrader.
Kronquest, Alfred L.
Larson, Ralph A.
Maier, Curtis E., and Larson.
Maier, Curtis E., Minnear, and Brockett.
Mero, Ralph M.
O'Neil, James H.
Rogers, Louis F., and Ebert.
Simpson, Justin.
Simpson, Justin, and Thomas.
Stammer, William C., and Breden.
Tomkins, Walter M., and Magnus.
Treff, Alfred.

Continental Copper & Steel Industries, Inc., assignee: *See*—
Nelson, John A., and Schuck.

Continental Electric Company, assignee: *See*—
Benes, John J., Jr.

Continental Foundry and Machine Company, assignee: *See*—
Hibner, De Los E.
Meyers, Sidney E.
Schlieder, Harold A.
Weining, Harry H., and Schlieder.

Continental Laboratories, Inc., assignee: *See*—
Sasse, Willi A.

Continental Machines, Inc., assignee: *See*—
Crane, Robert L.
Gaerlich, Raymond.

Continental Motors Corporation, assignee: *See*—
Altman, Peter.
Bachle, Carl F.
Wiseman, William A.

Continental Oil Company, assignee: *See*—
Hersh, Joseph M.

Continental Silver Co. Inc., assignee: *See*—
Gruen, Robert L.
Kollsch, Emil.

Continental Specialties Company, Ltd., assignee: See—
Strand, Russell S.

Continental Supply Company, The, assignee: *See*—
Slonneger, John C.
Continuous Metalcast Co., Inc., assignee: *See*—
Rossi, Irving.
Continuous Metalcast Corporation, assignee: *See*—
Rossi, Irving.
Conto, Dominic, Sheboygan, Wis. Foam generating apparatus. 2,585,092, Feb. 12.
Conto, James and B. Alstadt, New York, N. Y. Earring construction. 2,586,787, Feb. 26.
Contractors Machinery Company, assignee: *See*—
Helz, Francis.
Control Instrument Company, Inc., assignee: *See*—
Libman, Earl E.
Scanlon, Harry C.
Converse, Edwin C., Rialto, Calif. House trailer dolly. 2,596,655, May 13.
Converted Rice, Inc., assignee: *See*—
Huzenlaub, Erich G., and Rogers.
Conveyor Cafeterias, Limited, assignee: *See*—
Lewis, Thomas M.
Conveyor Company, Inc., The, assignee: *See*—
Saxe, Walter E.
Conviser, Harry, Ardsley, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Frequency meter. 2,609,512, Sept. 2.
Conway, Clifford C.: *See*—
Jenkins, Gerald S., and Conway.
Conway, Howard F.: *See*—
Montgomery, Edna M., Conway, and Weakley.
Conway, Hugh G., Gloucester, England, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Liquid spring undercarriage. 2,618,478, Nov. 18.
Conway, Philip W., and T. J. Hajduk, Chicago, Ill., assignors to The Rauland Corporation. Apparatus for internally coating cathode-ray tube envelopes. 2,589,054, Mar. 11.
Conwell, Charles B., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Ribbed core for steel blades. 2,600,048, June 10.
Conzelman, John E., Jr., Sierra Madre, H. B. Ellis, La Canada, and C. W. O'Brien, Los Angeles, Calif. Prosthetic hand. 2,582,234, Jan. 15.
Cook, A. D., Incorporated, assignee: *See*—
Dunn, Fenmore E.
Cook, Albert N.: *See*—
Cataldo, John B., Tidd, and Cook.
Cook, Alton A., Glen Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Removal of pigments from printed textiles and agents useful therein. 2,587,597, Mar. 4.
Cook, Alton A., Glen Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Fatty acid-alkoxypolyglycol aliphatic amine combinations useful as textile surface agents. 2,593,413, Apr. 22.
Cook, Alton A., G. Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Fatty acid polyglycol-aliphatic amine combinations useful as textile softeners and producing the same. 2,596,985, May 20.
Cook, Alton A., Glen Ridge, and N. C. Shaue, Paterson, and E. B. Whitworth, Summit, assignors to Arkansas Company, Inc., Newark, N. J. Water repellent textiles and making same. 2,603,576, July 15.
Cook, Carl B., Haddonfield, N. J. Book. 2,583,998, Jan. 29.
Cook, Charles A., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Clutch brake. 2,590,089, Mar. 25.
Cook, Charles F.: *See*—
Alexander, Harold E., and Cook.
Cook, Clinton D., Jr., Shelburne, Vt., assignor to General Electric Company. Electromagnetic induction apparatus. 2,618,689, Nov. 18.
Cook, Curtiss L., and A. E. Young, assignors to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Tractor mounted snowplow. 2,616,191, Nov. 4.
Cook, Curtiss L., and A. E. Young, assignors to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Offset drive for tractors. 2,618,980, Nov. 25.
Cook, Daniel A., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Test strips for detecting low concentrations of chlorine in air. 2,606,102, Aug. 5.
Cook, David L., El Cerrito, assignor to Shell Development Company, Emeryville, Calif. Lubricating composition containing boric acid. 2,614,985, Oct. 21.
Cook, Dudley R., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Ice-making machine. 2,613,506, Oct. 14.
Cook, Earle S.: *See*—
Gorman, Andrew T., and Cook.
Cook, Elnar P., Clovis, Calif. Disk gang adjusting mechanism. 2,588,701, Mar. 11.
Cook Electric Company, assignee: *See*—
Baker, John S.
Downing, James R.
Hasselhorn, Walter C.
Cook, Elmer W.: *See*—
Hook, Edwin O., and Cook.
Cook, Elmer W., Dolphin Square, England, assignor to American Cyanamid Company, New York, N. Y. Preparing thiophosphoryl chloride. 2,591,782, Apr. 8.
Cook, Elmer W., New York, N. Y., and P. H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Aliphatic amido propyl quaternary ammonium salts. 2,589,674, Mar. 18.
Cook, Elmer W., London, England, P. H. Moss, Seldovia, Alaska, and E. O. Hook, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of S-hydroxybenzyl O,O-dithiophosphoric acid triesters. 2,589,675, Mar. 18.
Cook, Emory G., Floral Park, N. Y. High-level recording system. 2,603,720, July 15.
Cook, Errol F., Marlboro, assignor to Allied Minerals, Inc., West Chelmsford, Mass. Poultry litter material. 2,597,457, May 20.
Cook, Frank E., Runnemeda, N. J., assignor to Radio Corporation of America. Portable phonograph. 2,610,857, Sept. 16.
Cook, Garrett A., and C. F. Aldridge, assignors to Taylor Instrument Companies, Rochester, N. Y. Maximum and minimum registering instrument. 2,605,736, Aug. 5.
Cook, George W.: *See*—
Perls, Thomas A., and Cook.
Cook, Gerhard A., Snyder, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Production and recovery of hydrogen peroxide. 2,614,907, Oct. 21.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objectives having four internal contact surfaces. 2,600,207, June 10.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component objectives with second component a convergent cemented doublet having a dispersive internal contact surface. 2,600,208, June 10.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four-component optical objectives. 2,601,367, June 24.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four-component objectives having two divergent compound meniscus components positioned between two single convergent components. 2,601,368, June 24.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Three-component optical objectives. 2,601,369, June 24.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Corrected optical objective comprising six simple components axially aligned and air spaced apart. 2,601,592, June 24.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objective. 2,601,593, June 24.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Corrected optical objective comprising six simple components axially aligned and air spaced apart. 2,601,594, June 24.
Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objective. 2,601,595, June 24.
Cook, Graham: *See*—
Alspaugh, Paul L., and Cook.
Cook, Harold A., assignee: *See*—
Harris, George M.
Cook, Harold C., Sr., Long Island City, N. Y. Garment hanger. 2,589,926, Mar. 18.
Cook, Harold H., Steward, Ill. Threshing machine. 2,587,289, Feb. 26.
Cook, Harvey A., University Heights, Ohio. Self-propelled vehicle having super-imposed noncollapsible occupant compartment. 2,614,882, Oct. 21.
Cook, Jackson H., Morristown, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse system. 2,596,984, May 20.
Cook, Jackson H., Arlington, Va., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Monitoring apparatus for radio pulse transmission systems. 2,605,459, July 29.
Cook, James F.: *See*—
Worth, Harry J., Page, and Cook.
Cook, James R., Pasadena, Calif. Fluid transmission. 2,618,367, Nov. 18.
Cook, Jay E., Baltimore, Md. Frog holder. 2,603,184. July 15.
Cook, John B., and L. L. Jugle, assignors to Reliable Electric Company, Chicago, Ill. Wire clamp. 2,597,070. May 20.
Cook, John H., Ayrshire, Scotland, assignor to Imperial Chemical Industries Limited. Detonating explosive charge and impressing surfaces employing same. 2,604,042, July 22.
Cook, Louis B., Springfield, Mass. Motorcycle simulating attachment for bicycles. 2,620,764, Dec. 9.
Cook, Martin C., Klamath Falls, Oreg. Key-cutting attachment for lathes. 2,604,020, July 22.
Cook, Michael E., Bellwood, Ill. Tooth powder dispenser having sliding valve for dispensing measured quantities of powder. 2,585,299, Feb. 12.

Cook, Norbert F., and P. Walls, assignors to Lincoln Engineering Company, St. Louis, Mo. Line-retrieving reeling apparatus. 2,623,707, Dec. 30.
Cook, Robert M., Tuscumbia, Ala. Machine press. 2,609,745, Sept. 9.
Cook, Sidney H., Hannibal, Mo., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work positioning means for heeling machines. 2,602,927, July 15.
Cook, Stanley S., and L. M. Douglas, assignors to The Parsons Marine Steam Turbine Company Limited, Wallsend-on-Tyne, England. Cutting projecting gear teeth. 2,615,359, Oct. 28.
Cook, W. H., trustee, assignee: *See*—
Sweeney, Robert D., and Coutchure.
Cook, Wayne S., Grand Rapids, Mich., assignor to Sackner Products, Inc. Edge roll for use in upholstering parts such as spring assemblies. 2,621,713, Dec. 16.
Cook, Wayne S., and F. J. Hormuth, Grand Rapids, Mich., assignors to Sackner Products, Inc. Edge roll for spring structures. 2,615,504, Oct. 28.
Cook, Wendell S., Houghton, Mich., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Bis (tetraikylphenol) monosulfides. 2,605,288, July 29.
Cook, Wilfred J., and J. H. Tuck, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Forming starting sheets for electrolytic refining of nickel. 2,597,296, May 20.
Cook, William H., Toledo, Ohio. Pronged plug with rotatable core having cord insulation and conductor anchorage means. 2,618,679, Nov. 18.
Cook, William H., Toledo, Ohio. Automatic wiring connection. 2,618,680, Nov. 18.
Cook, William H., Jr.: *See*—
Butler, Van B., and Cook.
Cooke, Conrad H.: *See*—
Buchal, Werner, and Cooke.
Cooke, Conrad H., assignor of one-half to The Glenn L. Martin Company, Middle River, Md., and one-half to Hydraulic Equipment Company, Cleveland, Ohio. Selector valve-automatic holding and cutoff. 2,598,891, June 3.
Cooke, Donald E.: *See*—
Schrader, Milford J., and Cooke.
Cooke, Douglas W., Manhattan Beach, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Removing tool. 2,618,183, Nov. 18.
Cooke, Edward F., Jr., Beaumont, Tex., assignor to American Locomotive Company, New York, N. Y. Valve for fluids. 2,622,840, Dec. 23.
Cookman, Helen C., New York, N. Y. Surgeon's gown. 2,597,568, May 20.
Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Conveyer having dust separating and removal means. 2,595,226, May 6.
Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Bottle-filling machine with conveyer for conveying bottles to an elevator and pusher for pushing bottles from elevator to filling position. 2,597,852, May 27.
Cookson, Leonard T., Kalamazoo, Mich., assignor to The Upjohn Company. Machine for inverting containers and directing cleaning fluid thereinto. 2,601,263, June 24.
Cool, Kenneth A., Shaker Heights, and R. W. Slates, Lakewood, assignors to The Service Recorder Company, Cleveland, Ohio. Tamperproof recorder. 2,616,778, Nov. 4.
Cool, Ralph H., assignor to Cities Service Refining Corp., Lake Charles, La. Removing mercaptans from hydrocarbons. 2,593,851, Apr. 22.
Coolerator Company, The, assignee: *See*—
Frykdahl, Carl E. H.
Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Facsimile apparatus employing a stylus. 2,591,138, Apr. 1.
Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Stylus assembly for facsimile machines. 2,615,780, Oct. 28.
Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Stylus reset mechanism for facsimile machines. 2,622,001, Dec. 16.
Cooley, Austin G., New York, and G. B. Busch, Brooklyn, assignors to Times Facsimile Corporation, New York, N. Y. Facsimile recorder with styli actuated or propelled by a belt. 2,613,124, Oct. 7.
Cooley, Hal, assignor to M. J. Noregaard, Portland, Oreg. Magnet operated switch. 2,595,769, May 6.
Cooley, Lenore B., deceased, New York, N. Y.; The First National Bank of Santa Fe, Santa Fe, N. Mex., executor. Woman's lingerie. 2,583,472, Jan. 22.
Coolidge, William N., and F. W. Geiger, Cincinnati, Ohio. Hydraulic jack operated valve and attachment. 2,596,532, May 13.
Coolley, Clair A., Centralia, Mo. Soldering crucible. 2,623,151, Dec. 23.
Coombes, Joseph H.: *See*—
Gaenssle, Paul W., and Coombes.
Coombs, Forrest D., Westwood, Mass. Illuminated level. 2,615,122, Oct. 21.
Coombs, John M., St. Paul, Minn., and C. B. Tompkins, Washington, D. C., assignors to Engineering Research Associates, Inc., Arlington, Va. Data storage apparatus. 2,617,705, Nov. 11.
Coombs, Leslie W., deceased, Chicago, Ill., by American National Bank and Trust Company of Chicago, administrator, Chicago, Ill. Rotary striping wheel paint striper and adapter for use with collapsible paint tube containers and the like. 2,582,861, Jan. 15.
Coon, Allyn J., Wauwatosa, and W. W. Gruel, Milwaukee, Wis., assignors to International Harvester Company. Air swept crusher for finorescent light tubes. 2,593,657, Apr. 22.
Coon, Everett P., Boise, Idaho. Antibackflow valve. 2,616,512, Nov. 4.
Coon, Harold R., Sr.: *See*—
Rapp, Earl J., and Coon.
Coon, Harold R., Sr., and E. J. Rapp, assignors to Lynch Package Machinery Corporation, Toledo, Ohio. Wrapping machine for butter and the like. 2,592,793, Apr. 15.
Cooney, John L., Erie, Pa. Magnetic filter for fluid lines. 2,603,353, July 15.
Coonley, James E.: *See*—
Wallace, Wilmer T., and Coonley.
Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pear feeding and orienting apparatus. 2,581,634, Jan. 8.
Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pear feeding and orienting apparatus. 2,603,331, July 15.
Coons, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pea harvesting and threshing machine. 2,608,973, Sept. 2.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,597,777, May 20.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,597,778, May 20.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigerating apparatus. 2,597,779, May 20.
Coons, Curtis C., North Canton, and O. B. Sutton, Canton, assignors to The Hoover Company, North Canton, Ohio. Electric toaster. 2,587,968, Mar. 4.
Coons, Edward A., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Removing metals from crude petroleum oils. 2,611,735, Sept. 23.
Coons, Robert J., Chicago, and C. A. Todaro, Mount Prospect, Ill., assignors to Gillette Safety Razor Company, Boston, Mass. Producing alpha-mercapto-carboxylic acids. 2,594,030, Apr. 22.
Cooper Alloy Foundry Co., The, assignee: *See*—
Schumacher, Franz.
Cooper, Basil P., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for molding hollow display forms. 2,606,343, Aug. 12.
Cooper, Benjamin, New York, N. Y. Toll collection transaction printer. 2,621,101, Dec. 9.
Cooper, Benjamin, New York, N. Y. Toll checking system. 2,622,138, Dec. 16.
Cooper, Benjamin, New York, and S. A. Kroll, Brooklyn, N. Y.: said Kroll assignor to said Cooper. Vehicle assigning, detecting, and dispatching systems. 2,601,370. June 24.
Cooper, Benjamin, Scotia, and C. D. Cillié, Schenectady, N. Y., assignors to General Electric Company. Electric control circuits. 2,607,893, Aug. 19.
Cooper-Bessemer Corporation, The, assignee: *See*—
Crooks, William R.
Cooper, Charles, assignor to W. C. Holmes & Company Limited, Huddersfield, England. Delivery of liquids. 2,613,681, Oct. 14.
Cooper, Charles M., Jr., Henderson, N. C. Soap holder cover. 2,585,743, Feb. 12.
Cooper, Charles P., Chelmsford, and G. E. Williamson-Noble, London, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Switching circuit. 2,584,790, Feb. 5.
Cooper, Charles W.: *See*—
Moss, Eric B., and Cooper.
Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Tantalum carbide filament electric lamp containing hydrogen-volatile hydrocarbon mixture. 2,596,469, May 13.
Cooper, Douglas E., Syracuse, N. Y., assignor to Bristol Laboratories Inc. Penicillin amides. 2,593,852, Apr. 22.
Cooper, Douglas E., assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Hexahydrobenzylamine salt of penicillin. 2,598,508, May 27.
Cooper, Frank S., Golf, Ill. Backing sheet for use in preparing manifold copies. 2,621,945, Dec. 16.
Cooper, Franklin D.: *See*—
Tiddy, William, and Cooper.
Cooper, Gilbert N., Wyncote, Pa. Hosiery. 2,600,851, June 17.
Cooper, Harold G.: *See*—
Schultz, Howard L., and Cooper.
Cooper, Harry E., Pelham, assignor to United States Rubber Company, New York, N. Y. Single cover elastic yarn. 2,588,361, Mar. 11.
Cooper, Harry K., Gardena, Calif. Apparatus for cleaning gun barrels. 2,606,567, Aug. 12.
Cooper, Henry J., Stockport, England. Selecting mechanism for color weft insertion. 2,594,398, Apr. 29.

Cooper, Henry J., Stockport, England. Weft replenishing apparatus for weaving looms. 2,609,008, Sept. 2.
Cooper-Hewitt Electric Company, assignee: *See*—
Macksoud, Michel E.
Cooper, Homer G., Cody, Wyo. Contour transfer device. 2,621,415, Dec. 16.
Cooper, Hugh S., Cleveland Heights, assignor to Acme Aluminum Alloys, Inc., Dayton, Ohio. Aluminum-magnesium alloys. 2,583,473, Jan. 22.
Cooper, James, Birkenhead, and H. H. Thomas, Liverpool, assignors, by mesne assignments, to Douglas Pole Welman, Manchester, England. Automatic gas recorders. 2,622,015, Dec. 16.
Cooper, James A.: *See*—
Dilley, Earl H., and Cooper.
Cooper, James B., and A. B. Jepson, Seattle, Wash., assignors to Boeing Airplane Company. Ratio control for pressure cabins. 2,610,564, Sept. 16.
Cooper, James B., Seattle, and A. B. Jepson, Bellevue, assignors to Boeing Airplane Company, Seattle, Wash. Cabin pressure change control. 2,621,577, Dec. 16.
Cooper, John E., Los Angeles, Calif. Dental stool extension for feet and motor control support. 2,620,863, Dec. 9.
Cooper, Joseph, Forest Hills, N. Y. Extension table with elevating metal slides therefor. 2,585,744, Feb. 12.
Cooper, La Mar S., Cedar Rapids, assignor to Amana Refrigeration, Inc., Amana, Iowa. Refrigerator cabinet latch strike. 2,622,911, Dec. 23.
Cooper, Lee A., Ojus, Fla. Combined truck and implement carrier. 2,581,753, Jan. 8.
Cooper, Leo, Stamford, Conn., assignor to P & K Incorporated. Fishing reel. 2,591,338, Apr. 1.
Cooper, Leslie E., and R. N. Lacey, Hull, assignors to British Industrial Solvents Limited, London, England. Oxidation of isobutyraldoxan. 2,623,068, Dec. 23.
Cooper, Lester S., Columbia, Conn., assignor to Rubatex Products Inc., New York, N. Y. Making radar domes. 2,614,059, Oct. 14.
Cooper, Lyle M., Rahway, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Filling and capping equipment. 2,599,319, June 3.
Cooper, Miles S., St. Paul, and E. L. Berg, Minneapolis, Minn. Cup rack. 2,600,096, June 10.
Cooper, Orin N., Garwin, Iowa. Rinsing attachment for wringers. 2,597,569, May 20.
Cooper, Reginald E., assignee: *See*—
Brightwell, Doreen W.
Cooper, Richard W., Hutchinson, Kans. Bottle case. 2,613,841, Oct. 14.
Cooper, Robert S., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Tetrachloroethylene stabilized by 2-halothiophene. 2,621,215, Dec. 5.
Cooper, William H. B., Middlesex, England. Communication system line fault locating. 2,611,041, Sept. 16.
Co-Operative Industries, Inc., assignee: *See*—
Lamb, John M.
Cooper's Incorporated, assignee: *See*—
MacRae, William R. S., and Knelbler
Coote, Jack H., London, and W. H. Gathercole, Worcester Park, Surrey, assignors to Dufay-Chromex Limited, London, England. Photographic multilayer stripping film. 2,590,296, Mar. 25.
Coote, Jack H., and K. M. Hornsby, assignors to Dufay-Chromex Limited, London, England. Color photography. 2,592,864, Apr. 15.
Coote, Jack H., and A. P. Jenkins, assignors to Dufay-Chromex Limited, London, England. Film printing machine. 2,596,373, May 13.
Coote, Jack H., London, and W. H. Gathercole, Surrey, assignors to Dufay-Chromex Limited, London, England. Photographic multilayer stripping films. 2,609,291, Sept. 2.
Coote, Jack H., Teddington, and G. Murray, Thames Ditton, assignors to British Tricolour Processes Limited, London, England. Light-dividing system. 2,614,452, Oct. 21.
Coots, Carl A., Waverly, N. Y. Control handle for outboard motors. 2,600,852, June 17.
Cootware, Frank C., Mattoon, Wis. Combined wheelbarrow and hose reel. 2,608,360, Aug. 26.
Coover, Harry W., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. N-fluoroalkyl-n-vinylalkanamides and preparation thereof. 2,585,230, Feb. 12.
Coover, Harry W., Jr.: *See*—
Dickey, Joseph B., and Coover.
Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing 1,4-naphthoquinone compounds. 2,585,229, Feb. 12.
Coover, Harry W., Jr., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Mixtures comprising polyacrylonitrile and polyalkyl α-acylaminoacrylates and articles obtained therefrom. 2,589,055, Mar. 11.
Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Alpha-acylaminacrylamides and polymers thereof. 2,592,248, Apr. 8.
Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Alkyl styrene sulfonates and their production. 2,616,917, Nov. 4.
Coover, Harry W., Jr., N. H. Shearer, and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of 3-methylenephthalide and preparation. 2,618,627, Nov. 18.
Coover, Harry W., Jr., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Polymerization of acrylonitrile in the presence of amide polymers. 2,620,324, Dec. 2.
Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Salts of α-acylamido and α-alkoxycarbonamido acrylic acids. 2,622,074, Dec. 16.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Apparatus for carburizing steel. 2,594,876, Apr. 29.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Bright strip annealing apparatus. 2,602,653, July 8.
Cope, Harold, University Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Stock line wearing element. 2,580,519, Jan. 1.
Cope, John E., and L. W. Germany, assignors to Pye Limited, Cambridge, England. Magnetic deflection circuits. 2,602,147, July 1.
Cope, John Q., Jr., El Cerrito, assignor to California Research Corporation, San Francisco, Calif. Adsorption separation of hydrocarbons and oxygenated organic compounds. 2,621,203, Dec. 9.
Cope, Rex L., Cumberland, Md., assignor to Celanese Corporation of America. Transport. 2,599,612, June 10.
Cope, William E., assignor to F. M. Kinnard, Sebring, Ohio. Automatic clay spreader. 2,588,804, Mar. 11
Copeland, Jacob C., Chicago, Ill. Magnifying reflection viewer for stereoscopic pictures. 2,581,000, Jan. 1.
Copeland, Llewellyn E.: *See*—
Mooney, Melvin, and Copeland.
Copeland, Ralph A., Chenango Bridge, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic filter and antihalation layers containing 3-(benzylidene)-sulfo-oxindoles. 2,622,980, Dec. 23.
Copeman Laboratories, assignee: *See*—
Copeman, Lloyd G.
Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories, Flint, Mich. Spill guard and ice tray. 2,593,106, Apr. 15.
Copenhagen, Jules, Cleveland, Ohio. Breast supporter and former. 2,611,129, Sept. 23.
Copenhaver, John W., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Synthesis of vitamin A and intermediates therefor. 2,586,305, Feb. 19.
Copenhaver, John W., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Synthesis of vitamin A and intermediates therefor. 2,586,306, Feb. 19.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polyethers and preparing the same. 2,590,598, Mar. 25.
Copenhaver, John W., Short Hills, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Δ²-Pyrrolinyl compounds and derivatives thereof. 2,593,853, Apr. 22.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing primary alcohols containing at least four carbon atoms. 2,604,493, July 22.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing 2-substituted quinolines. 2,608,557, Aug. 26.
Copithorne, Alton R.: *See*—
Baggette, Thomas L., and Copithorne.
Coplen, Milo G., Rockville, Md. Tree mover. 2,614,705, Oct. 21.
Copley, Harold E.: *See*—
Walkup, Lewis E., Copley, and Beckdahl.
Copley, Welford E.: *See*—
Johansen, Gordon W., and Copley.
Copold, Milburn C.: *See*—
Gayner, Raymond D., Wood, and Copold.
Copp, William, assignor to The Callander Foundry & Manufacturing Company Limited, Guelph, Ontario, Canada. Jig saw. 2,617,453, Nov. 11.
Coppens, Otto A., Highland Park, Ill. Toy flying device. 2,618,867, Nov. 25.
Copper, Adrianus C., Leyden, Netherlands. Orbital tonometer. 2,622,439, Dec. 23.
Copping, Bruce G., Atlanta, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Mixing nozzle. 2,620,108, Dec. 2.
Copping, John B., assignor to The Decca Record Company Limited, London, England. Apparatus for indicating a coordinate position on a chart. 2,600,484, June.
Coppinger, Calvin M.: *See*—
Campbell, Tod W., and Coppinger.
Copthorne, Howard N., Winnetka, Ill. Rust inhibiting material. 2,609,302, Sept. 2.
Coquille, Alexandre, Syam, assignor to Societe Anonyme dite: Forges De Syam, Syam (Jura), France. Balanced cotter. 2,623,765, Dec. 30.

Corakas, Josie M., Washington, D. C. Hospital mattress and bedpan construction. 2,615,175, Oct. 28.
Corallo, Gaetano, Los Angeles, Calif. Making stitchless embossed fabrics. 2,586,208, Feb. 19.
Corbell, Harry T., Short Lane, Va. Locomotive construction. 2,589,056, Mar. 11.
Corbet, Harold L., and G. Holland, Dayton, Ohio, and J. M. Murray, assignors, by mesne assignments, to R. H. Starr, Kansas City, Mo. Steam jacketed rendering kettle with bottom drawoff. 2,622,590, Dec. 23.
Corbett, Frederick W., Burbank, Calif. Doughnut machine. 2,590,157, Mar. 25.
Corbett, George B.: *See*—
Hobson, Alfred M., and Corbett.
Corbett, Thomas H., Chicago, Ill. Booster water heater. 2,580,659, Jan. 1.
Corbi, Alfred, Pawtucket, R. I., assignor to Acco Mfg. Co., Inc. Bracelet chain. 2,601,094, June 17.
Corbin, Floyd L.: *See*—
Jones, Emmett B., and Corbin.
Corbin, George E., Detroit, Mich. Fish scaling device. 2,598,509, May 27.
Corbino, Ugo, Rome, Italy. Nonsymmetrical multipolar electric energy distribution system. 2,583,167, Jan. 22.
Corbino, Ugo, Rome, Italy. Device for the polyphase transformation of the frequency of three-phase circuits. 2,616,070, Oct. 28.
Corbitt, Robert W.: *See*—
Fletcher, Arthur H., Stark, Corbitt, and Sherlaw.
Cordasco, Peter, Newark, N. J. Internal fixation of fractured bones. 2,620,792, Dec. 9.
Cordero, Fidel: *See*—
Sontag, Harcourt C., Cordero, and Womack.
Cordier, David E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of improved polymerizable unsaturated alkyd compositions. 2,623,030, Dec. 23.
Cordis, Nat, assignee: *See*—
Kitson, Gerald L., C. H., and L.
Cordis, Nat, Silver Lake, Wis. Apparatus for mixing manure and dry fertilizers. 2,587,598, Mar. 4.
Cordis, Nat, Silver Lake, Wis. Poultry nest appliance. 2,589,228, Mar. 18.
Cordis, Nat, Silver Lake, Wis. Single gutter barn cleaner. 2,603,344, July 15.
Cordis, Nat, Wilmot, Wis., assignor of one-half to G. L., C. H., and L. Kitson, Rockford, Mich. Automatic flock feeder. 2,613,641, Oct. 14.
Cordo Chemical Corporation, assignee: *See*—
Ditto, Marvin W., and Hugger.
Cordon, Theone C., Erdenheim, Pa., and L. J. Wickerham, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Production of high purity tanning extracts. 2,594,291, Apr. 29.
Cordova, James, Long Beach, Calif. Nonspillable measuring spoon. 2,603,093, July 15.
Cordrey, Letha O. W., San Diego, Calif. Cooking shield. 2,582,373, Jan. 15.
Core Laboratories, Inc., assignee: *See*—
Wisenbaker, John D.
Coretti, Giacomo, assignor to Dalmine S. A., Dalmine, Italy. Rotating cutting device. 2,586,209, Feb. 19.
Corey, Charles D., Huntington, assignor, by mesne assignments, to General Time Corporation, New York, N. Y. Pneumatically operated timer. 2,607,187, Aug. 19.
Corey, Lorin A., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Multiple stage thread processing reel. 2,609,588, Sept. 9.
Corey, Norris W., Manchester, N. H. Tape cutter. 2,592,865, Apr. 15.
Corfield, Albert H., Sidcup, and E. E. Chapman, Deptford, assignors, by mesne assignments, to Cathodeon Limited, Engineers, Cambridge, England. Safety device for aircraft. 2,581,078, Jan. 1.
Corhart Refractories Company, assignee: *See*—
Field, Theodore E., and Smyth.
Magri, Ralph J., Jr.
Cork, Bruce B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable cavity resonator transmit-receive device. 2,606,249, Aug. 5.
Cork, Bruce B., Peck, Mich., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Prefired transmit-receive box system. 2,594,732, Apr. 29.
Cork, Edward C., London, assignor to Electric & Musical Industries Limited, Hayes, England. High-frequency transmission line and wave-guide. 2,620,397, Dec. 2.
Corke, Alfred J., Liverpool, England. Sound reproduction apparatus. 2,623,606, Dec. 30.
Corkran, Dudley C., assignor to Charles F. Orvis Co., Inc., Manchester, Vt. Fly box. 2,596,214, May 13.
Cormack, Elbert M.: *See*—
Darnell, Jesse L., and Cormack.
Cormier, Gerard A., assignor to Jones & Lamson Machine Company, Springfield, Vt. Unloading valve. 2,614,580, Oct. 21.
Cormier, Leone W., Inglewood, Calif. Maternity jumper. 2,591,513, Apr. 1.
Corn, Belmont, Jr., Scarsdale, N. Y., and C. D. Roscher, Bogota, N. J., assignors to The Displayers, Inc. Portable display. 2,587,698, Mar. 4.
Corn, Jack, Fort Worth, Tex. Vented awning. 2,618,821, Nov. 25.
Corn Products Refining Company, assignee: *See*—
Artz, Neal E., and Hach.
Couch, Dean H., and Cleveland.
Dean, George R., and Pyle.
Gallagher, Dudley M.
Gottfried, Jacob B.
Hobbs, Kenneth C.
Kerr, Ralph W.
Newkirk, William B., and Dlouhy.
Newkirk, William B., and Hapke.
Pigman, William W., Kerr, and Schink.
Swarr, Jay N.
Cornalba, Tullio H. A., Buenos Aires, Argentina. Animal capturing apparatus. 2,616,212, Nov. 4.
Cornell, Ernest R., Stamford Centre, Ontario, Canada, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Quench-hardening steel. 2,600,290, June 10.
Cornelius, Carroll, Seattle, Wash. Cooking stove. 2,590,942, Apr. 1.
Cornelius, Charles L., Jr. and F. H., Shade Gap, Pa. Cork bonding process. 2,590,757, Mar. 25.
Cornelius, Edward B.: *See*—
Weidman, Walter L., Shabaker and Cornelius.
Cornelius, Frank H.: *See*—
Cornelius, Charles L., Jr. and F. H.
Cornelius, Gail, assignor to R. M. Wade & Co., Portland, Oreg. Power drive means for irrigation pipe. 2,582,416, Jan. 15.
Cornelius, Gail, assignor to R. M. Wade & Co., Portland, Oreg. Pipe coupler seal. 2,620,206, Dec. 2.
Cornelius, James R., Coventry, England. Measuring instrument responsive to capacity variations. 2,588,702, Mar. 11.
Cornelius, Nelson F.: *See*—
Cornelius, Richard T. and N. F.
Cornelius, Paul D., Hollydale, assignor to Byron Jackson Co., Vernon, Calif. Side wall sampler. 2,594,292, Apr. 29.
Cornelius, Richard T., Minneapolis, Minn. Pressure regulator. 2,591,407, Apr. 1.
Cornelius, Richard T., Minneapolis, Minn. Sprayer. 2,605,019, July 29.
Cornelius, Richard T., Minneapolis, and N. F. Cornelius, Robbinsdale, Minn. Beverage mixing and dispensing device. 2,619,387, Nov. 25.
Cornelissen, Carl and E., Sandefjord, Norway. Longitudinally adjustable legs, for example for seats, stools, or the like. 2,600,735, June 17.
Cornelissen, Erling: *See*—
Cornelissen, Carl and E.
Cornell Aeronautical Laboratory, Inc., assignee: *See*—
Naulty, Howard W., and Brown.
Cornell, Charles A., Johnstown, Ohio. Tube patch. 2,582,770, Jan. 15.
Cornell, Charles A., Johnstown, Ohio. Tube patch. 2,582,771, Jan. 15.
Cornell, Dana R., East Chicago, assignor to Standard Forging Corporation, Chicago, Ill. Apparatus for making pierced forged hubs and the like. 2,593,730, Apr. 22.
Cornell, Dana R., East Chicago, Ind., assignor to Standard Forgings Corporation, Chicago, Ill. Apparatus for forging railway axles. 2,604,801, July 29.
Cornell-Dubilier Electric Corporation, assignee: *See*—
Bailey, William M.
Clark, Henry S.
Hings, Donald L.
Weiss, Felix.
Cornell, Elton S., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Taper gauge. 2,581,001, Jan. 1.
Cornell, Fritz G., Jr., Mountain Lakes, N. J., assignor, by mesne assignments, to Chester-Jensen Company, Chester, Pa. Apparatus for treating liquid dairy products. 2,594,399, Apr. 29.
Cornell Iron Works, Inc., assignee: *See*—
Cornell, Milton L., and Bennett.
Cornell Machine Company, The, assignee: *See*—
Cornell, Mead.
Cornell, Mead, assignor to The Cornell Machine Company, Cleveland, Ohio. Method and apparatus for treating fluid materials. 2,584,424, Feb. 5.
Cornell, Milton L., Malba, and R. K. Bennett, Bayside, assignors to Cornell Iron Works, Inc., Long Island City, N. Y. Vision light metal slat rolling door. 2,585,627, Feb. 12.
Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Hydrodesulfurization of petroleum hydrocarbons. 2,614,066, Oct. 14.
Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Catalytic process. 2,617,709, Nov. 11.
Cornell, Paul W., and E. Cotton, Mount Lebanon, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Catalytic reactor. 2,585,441, Feb. 12.
Cornell, Paul W., Mount Lebanon, and C. E. Carter, Canonsburg, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Hydrodesulfurization reactor. 2,614,033, Oct. 14.

Corner, Eugene S.: *See*—
Lynch, Charles S., and Corner.

Corner, Eugene S., Roselle, R. V. J. McGee, Union, and C. S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company. Production of industrial gases containing carbon monoxide and hydrogen. 2,607,668, Aug. 19.

Corner, Eugene S., Rochelle, and C. S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company. Production of industrial gases containing carbon monoxide and hydrogen. 2,607,669, Aug. 19.

Cornercroft Limited, assignee: *See*—
Rycroft, Norman.

Cornes, Randolph W., Garden City, N. Y., assignor to The Sperry Corporation. Transmission line transition. 2,623,946, Dec. 30.

Cornett, Walter V., Los Angeles, Calif. Motor-driven cutting and breaking machine. 2,587,969, Mar. 4.

Cornett, Walter V., Los Angeles, Calif. Pavement breaking machine. 2,613,923, Oct. 14.

Cornillon, André, Lyon, France. Adjustable bladed impeller. 2,600,097, June 10.

Corning Glass Works, assignee: *See*—
Armistead, William H.
Clark, James D., and Montopoli.
Crawford, Clark A., and Miller.
De Voe, Charles F.
Doyle, Charles W.
Frazier, John F.
Goodrich, Levi F.
Guyer, Edwin M.
Johannson, Oscar K.
Kiehl, Harry R.
Mochel, John M.
Nordberg, Martin E.
Palmer, Wilbur C.
Pond, Leander N., and Wisner.
Randels, Robert B.
Stong, Guy E.
Sundstrom, Roy N.

Corning, Walter O., Knoxville, Tenn. Resiliently mounted chair back. 2,587,822, Mar. 4.

Cornish, John H., Grosse Pointe Farms, Mich., assignor to Haughton Elevator Company, Toledo, Ohio. Elevator guide shoe mounting means. 2,601,503, June 24.

Cornish, Robert E., Berkeley, Calif. Treating tidal lands subjected to sewage. 2,580,409, Jan. 1.

Corns, Alfred J., East Beckley, W. Va. Gas burning metal tire heater. 2,589,778, Mar. 18.

Corns, Edwin A., Lakewood, assignor to Lee Wilson, Rocky River, Ohio. Combustion tube heating apparatus. 2,602,440, July 10.

Cornut, André A., Ballaigues, Switzerland, assignor to Pignons S. A., Ballaigues. Reflex sighting device, including folding cover sections. 2,622,497, Dec. 23.

Cornwall Mills Limited, assignee: *See*—
Varcoe, Maurice.

Cornwell, Earl D., D. Grove, and S. Dobija, assignors to Armour and Company, Chicago, Ill. Treating proteins with saturated aliphatic polyamines and resulting product. 2,597,228, May 20.

Cornwell, Ralph T. K.: *See*—
Davis, Joseph C., Cornwell, and Hansen.

Cornwell, Ralph T. K., Rosemont, Pa., assignor to American Viscose Corporation, Wilmington, Del. Molding powders from urea and gaseous formaldehyde. 2,595,335, May 6.

Cornwell, Ralph T. K., Fredericksburg, Va., and J. Zender, Ardsley, N. Y., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Semipermeable membrane. 2,593,540, Apr. 22.

Corporon, Richard P., Haddonfield, N. J., assignor to Radio Corporation of America. Oscillation generator system. 2,589,477, Mar. 18.

Corrigan, Edward J., and R. L. Wilson, Calais, Maine. Hopper door regulator. 2,623,476, Dec. 30.

Corry-Jamestown Manufacturing Corporation, assignee: *See*—
Dunlap, William A.

Corse, Joseph W.: *See*—
Behrens, Otto K., Jones, Soper, and Corse.

Corsentino, Pete, Longmont, Colo. Power transmission mechanism for farm implements. 2,595,336, May 6.

Corson, Ben B., and G. A. Webb, assignors to Koppers Company, Inc., Pittsburgh, Pa. Catalytic metal-alkaline earth carbonate pellet and its production. 2,587,599, Mar. 4.

Corson, Ben B., and W. M. Kutz, assignors to Koppers Company, Inc., Pittsburgh, Pa. Alkylation-dealkylation process. 2,589,057, Mar. 11.

Corson, Ben B., and G. A. Webb, Pittsburgh, Pa., assignors to Koppers Company, Inc. Preparation of a surficially calcined natural carbonate catalyst. 2,614,996, Oct. 21

Corson, Ben B., and J. E. Nickels, assignors to Koppers Company, Inc., Pittsburgh, Pa. Isomerization of aromatic compounds. 2,623,911, Dec. 30.

Corson, Dale R., Sandoval County, N. Mex., and W. G. Pree, Westchester County, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Saw-tooth voltage generator. 2,582,190, Jan. 8.

Corson, Dale R., Arlington, Va., and H. L. Schultz, Wellesley, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Test set for pulse-echo radio locators. 2,597,297, May 20.

Corson, G. and W. H., Inc., assignee: *See*—
Minnick, Leonard J., and Presgrave.

Corson Manufacturing Company, assignee: *See*—
McDonough, Linus J.

Corson, Robert R., and H. Schlosser, Haddon Heights, N. J. Paste and cream tube dispenser having pressure jaws and brush holder. 2,589,058, Mar. 11.

Cort, Irving: *See*—
Nielson, Carl A., Leonard, and Cort.

Cortes, Edmundo, New York, N. Y. Sectional brush. 2,589,779, Mar. 18.

Corwin, Howard D., Jackson, assignor to The Lith-I-Bar Company, Holland, Mich. Pallet feeder mechanism for concrete block machines. 2,586,210, Feb. 19.

Cory Corporation, assignee: *See*—
Clark, Jesse H.
Crossley, Charles N., Gagan, Karlen, and Peters.
Peters, Herbert W.

Cory, Samuel I., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal monitoring. 2,597,071, May 20.

Cosby, James R.: *See*—
Hauck, Vernon D., Ogden, and Cosby.

Cosby, John N.: *See*—
Pietrusza, Edward W., and Cosby.

Cosden, Gilbert C., assignor to Sussex Poultry Company, Inc., Milford, Del. Apparatus for stunning poultry. 2,621,362, Dec. 16.

Cosgriff, Robert L., and E. L. Walls, Jr., Columbus, Ohio, assignors to Curtiss-Wright Corporation. Electromagnetic balance accelerometer. 2,591,921, Apr. 8.

Coskey, Alexander N., Mattawan, Mich., and O. E. Erikainen, Chicago, Ill. Fountain pen. 2,590,943, Apr. 1.

Coskey, Edward P., Detroit, Mich. Tire valve. 2,586,455, Feb. 19.

Cosmetics Research, assignee: *See*—
Smith, Roy A.

Cosmos, William J., Chicago, Ill. Contact wheel section. 2,581,754, Jan. 8.

Cosmos, William J., Chicago, Ill. Contact wheel, mainly for finishing belts. 2,605,592, Aug. 5.

Cosneck, Bernard J., St. Louis, Mo. Separable fastener. 2,594,609, Apr. 29.

Cosom Industries, Inc., assignee: *See*—
Carlson, Clinton V.

Coss, Ezekiel, Brooklyn, N. Y. Clothesline support. 2,584,186, Feb. 5.

Coss, George R., assignor to Eureka Williams Corporation, Detroit, Mich. Garbage grinder apparatus. 2,619,654, Dec. 2.

Cossey, John C. G., and G. H. Smith, assignors to A. B. C. Coupler & Engineering Company, Limited, Wolverhampton, England. Coupling for railway and like vehicles. 2,582,747, Jan. 15.

Cossor, A. C., Limited, assignee: *See*—
Bedford, Leslie H., Bell and Langham.
Bedford, Leslie H., and Jofeh.
Bell, David A.
Fleming-Williams, Brian C.
Fleming-Williams, Brian C., and Jenkins.
Jones, Anthony M. H.
Melchior, Albert N. A.
Wynn, Arthur H. A.

Cost, Joe L., Madeira, Ohio, assignor to Elliott Company, Jeannette, Pa. Separation of natural gas mixtures. 2,583,090, Jan. 22.

Costa, Constantino, New York, N. Y. Display manikin. 2,603,392, July 15.

Costa, John E., and O. R. McIntire, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing polymers comprising vinyl or vinylidene chlorides. 2,581,360, Jan. 8.

Costa, Leone, Canido-Vigo, Spain, assignor to W. K. Maier, New York, N. Y. Ship form. 2,599,163, June 3.

Costello, Bernard L., Riverside, N. J. Oleaginous corrosion preventive composition. 2,611,711, Sept. 23.

Costello, Edwin J., Baldwin, N. Y., assignor to Radio Corporation of America. Electronic switching. 2,586,151, Feb. 19.

Costello, Harry C.: *See*—
Brown, Victor J., and Costello.

Costello, Joseph, Rogers Forge, and H. S. Price, Jr., Catonsville, assignors to The Glenn L. Martin Company, Middle River, Md. Hose support for plastic tubes. 2,589,780, Mar. 18.

Coster, William J.: *See*—
Loftus-Tottenham, Henry T. L., and Coster.

Costner, Clarence J., assignor to Ideal Machine Shops Inc., Bessemer City, N. C. Dynamic flyer balancing apparatus. 2,596,762, May 13.

Costner, Jack C.: *See*—
Robinson, Elvin B., and Costner.

Costolow, John J.: *See*—
Johnstone, Leo H., Webber, and Costolow.

Cosulich, Donna B., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of substituted pteridines. 2,599,526, June 10.

Cotchett, Louis M., assignor to Textile Engineering Corporation, Whitman, Mass. Plastic bearing. 2,622,949, Dec. 23.

Cotchett, Louis M., Whitman, Mass., and R. Rulon-Miller, assignors to Dixon Lubricating Saddle Company, Bristol, R. I. Oilless bearing for textile and other machines. 2,601,371, June 24.

Cotchett, Louis M., Whitman, Mass., and R. Rulon-Miller, assignors to Dixon Lubricating Saddle Company, Bristol, R. I. Saddle for spinning frames or the like. 2,607,084, Aug. 19.

Cote, Amanda C., assignee: *See*—
Cote, Arthur J.

Cote, Arthur J., assignor of one-half to A. C. Cote, Clearwater, Fla. Closure operator. 2,613,928, Oct. 14.

Cote, George H., Bridgeport, Conn. Rotatable stop. 2,611,174, Sept. 23.

Coté, Gerald M.: *See*—
Coleman, William B., and Coté.

Cothran, Charles D., assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Treatment of fresh fruits and vegetables for decay control. 2,604,409, July 22.

Cotsworth, Albert, III: *See*—
Bell, John F., and Cotsworth.

Cotsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Keyed automatic gain control. 2,593,011, Apr. 15.

Cotsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Noise-factor meter. 2,620,438, Dec. 2.

Cotsworth, Albert, III, Oak Park, and W. J. Stroh, Franklin Park, Ill., assignors to Zenith Radio Corporation. Electrical signal network. 2,619,536, Nov. 25.

Cottam, Eric, and R. B., Worsley, England. Condenser for textile fibers. 2,621,376, Dec. 16.

Cottam, Ronald B.: *See*—
Cottam, Eric, and R. B.

Cotter, William A., New York, assignor of thirty-three and one-third per cent to C. S. Epps and thirty-three and one-third per cent to I. Epps, Brooklyn, N. Y. Coupling. 2,595,057, Apr. 29.

Cotter, William J., Washington, D. C. Parachute attachment for model gliders. 2,587,699, Mar. 4.

Cotterell, Maurice S., assignee: *See*—
Fox, Clarence D.

Cotti, Aldo, Milan, Italy. Key holding ring. 2,620,650, Dec. 9.

Cottingham, Robert J., assignor to C. Orner, Huntington, W. Va. Welding resistance. 2,599,613, June 10.

Cottle, Delmer L.: *See*—
Morway, Arnold J., Young, and Cottle.

Cotton, Arthur F. R., Merrick, N. Y. Leather finishing. 2,593,108, Apr. 15.

Cotton, Arthur F. R., Merrick, N. Y. Compass. 2,612,690, Oct. 7.

Cotton, Ernest: *See*—
Cornell, Paul W., and Cotton.

Cotton, Paul E., Quincy, assignor to Factory Mutual Research Corporation, Boston, Mass. Gas analyzer and smoke detector. 2,583,930, Jan. 29.

Cotton, Robert B., Media, Pa., assignor to All American Airways, Inc., Wilmington, Del. Hydrodynamic testing apparatus. 2,585,442, Feb. 12.

Cotton, William J., Butler, Pa. Electrical oxidation of aralkyl hydrocarbon. 2,595,227, May 6.

Cotton, William, Limited, assignee: *See*—
Brown, Leonard, and Lynam.
Lynam, John E., and Brown.

Cottor, Emil F., and J. A. Anderson, assignors to Scheffer & Rossum Company, St. Paul, Minn. Tarpaulin fastening. 2,604,897, July 29.

Cottrel, Ralph, assignor of one-third to A. L. Pachin and one-third to F. R. Pachin, Dayton, Ohio. Bottle carrier. 2,596,533, May 13.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Draft gear. 2,588,703, Mar. 11.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Pin retaining means. 2,589,781, Mar. 18.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,598,359, May 27.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Brake beam stabilizer. 2,612,971, Oct. 7.

Couch, Dean H., China Lake, Calif., and E. A. Cleveland, Milan, Italy, assignors to Corn Products Refining Company, New York, N. Y. Preparation of uronic acids and derivatives thereof. 2,592,249, Apr. 8.

Couch, Fred J., Sapulpa, Okla. Rearview mirror assembly. 2,605,676, Aug. 5.

Couch, George W.: *See*—
Bartch, James C., and Couch.

Couch, Glenn F.: *See*—
Barrows, Donald S., and Couch.

Couch, Glenn F., Williamsville, assignor to The Symington-Gould Corporation, Depew, N. Y. Journal box lid. 2,621,985, Dec. 16.

Couch, James F., Glenside, and C. F. Krewson, Erdenheim, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Purification of rutin. 2,587,600, Mar. 4.

Couch, S. H., Company, Inc., assignee: *See*—
Johnson, Carl A. P., and Morrison.

Couchman, Richard, New Kensington, Pa., assignor, by mesne assignments, to The People of the United States of America. Lubricated electrical conduit. 2,597,706, May 20.

Couchman, Robert, Jr., San Jose, and W. J. Raab, Campbell, Calif. Package distribution system. 2,609,947, Sept. 9.

Couchot, Orville F., De Land, Fla. Torque tube bracket assembly for clothes wringers. 2,580,520, Jan. 1.

Couchot, Orville F., De Land, Fla. Combination condiment and toothpick holder and dispenser. 2,580,521, Jan. 1.

Couchot, Orville F., De Land, Fla. Drain closure unit. 2,589,540, Mar. 18.

Couchot, Orville F., De Land, Fla. Locking device for clothes wringer. 2,622,427, Dec. 23.

Couffignal, Pierre L., assignor to Centre National de la Recherche Scientifique, Paris, France. Printing device for calculating machines. 2,623,455, Dec. 30.

Coughlin, Eugene W., assignee: *See*—
Williams, Keith B.

Coughlin, Joseph J., Rochelle Park, N. J., assignor to Radio Corporation of America. Electronic phase shifting system. 2,617,932, Nov. 11.

Coughlin, William B., New York, N. Y., assignor to Westinghouse Air Brake Company. Electron tube circuit means responsive to a signal pulse of short duration. 2,607,023, Aug. 12.

Coulbourn, Howard D., Wynnewood, Pa. Boiler. 2,604,082, July 22.

Coulbourn, William C.: *See*—
Norden, Carl L., and Coulbourn.

Coulliette, James H., assignor to Industrial Research Institute of the University of Chattanooga, Chattanooga, Tenn. Knitting machine presser edge. 2,594,128, Apr. 22.

Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. 2,586,918, Feb. 26.

Coultas, Wilbur J., Moline, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Implement draft connection. 2,592,866, Apr. 15.

Coultas, Wilbur J., and N. D. Colvin, Moline, and W. B. Palmer, Rock Island, assignors to Deere & Company, Moline, Ill. Hitch for implements and vehicles. 2,610,560, Sept. 16.

Coulter, Albert W., Jr.: *See*—
Cardwell, Paul H., Coulter, and Jones.

Coulter, George W., assignor to Mann, Smith & Coulter. Clarksville, Tenn. Fish ax. 2,611,181, Sept. 23.

Coulter, Guy H., Detroit, Mich., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Combined vehicle headlighting and turn illuminating system. 2,611,857, Sept. 23.

Coulter, Joseph R., Jr.: *See*—
Coulter, Wallace H., and J. R.

Coulter, Leland E., Ann Arbor, assignor to Allied Products Corporation, Detroit, Mich. Tool or die and holder assembly. 2,598,975, June 3.

Coulter, Marion D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride film. 2,602,094, July 1.

Coulter, Wallace H., Chicago, Ill., and J. R. Coulter, Jr., Monroe, La. Interference eliminating device for measuring instruments. 2,622,150, Dec. 16.

Coultier, Joseph F., Birmingham, and I. J. Lupu, Lincoln Park, Mich. Polishing wheel. 2,583,632, Jan. 29.

Council of Scientific and Industrial Research, assignee: *See*—
Siddiqui, Salimuzzaman, Sarin, and Varma.

Counter and Control Corporation, assignee: *See*—
Andren, Karl H.

Countryman, James H., West Middletown, Ohio. Spider and web simulation. 2,603,485, July 15.

Countryman, James H., West Middletown, Ohio. Bicycle pedal. 2,605,649, Aug. 5.

Countryman, James H., Middletown, and W. B. Strayer, Miamisburg, Ohio. Sound producing attachment for bicycles. 2,603,035, July 15.

Counts, Everett T., Stockton, and H. Breitenbucher, Oakland, Calif. Burglar alarm. 2,611,334, Sept. 23.

County Commercial Cars Limited, assignee: *See*—
Tapp, Arthur G., and E. T. J.
Tapp, Ernest T. J., and Davey.

Coupe, Noel P.: *See*—
Clarke, John S., A. E., and Coupe.

Couper, Cyril S.: *See*—
Kerridge, Frank E., and Couper.

Couper, Monroe: *See*—
Perkins, Melvin A., and Couper.

Couper, Monroe, Waynesboro, assignor to Institute of Textile Technology, Charlottesville, Va. Mildewproof cellulose produced by reaction with chloro-benzyl quaternary ammonium salts. 2,609,270, Sept. 2.

Couquelet, Dieudonné, Liege, Belgium. Apparatus for the manufacture of glass articles. 2,611,217, Sept. 23.

Courchene, Theodore P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,613,376, Oct. 14.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Plow. 2,586,919, Feb. 26.

Court, Frank T., deceased, Moline, Ill., by V. F. Court, executrix, assignor to Deere & Company, Moline, Ill. Control and diversion of exhaust pressure in hydraulic mechanisms. 2,619,074, Nov. 25.

Court, Patrick R. J., assignor to Pye Limited, Cambridge, England. Beam centering device for cathode-ray tubes. 2,597,298, May 20.

Court, Patrick R. J., assignor to Pye Limited, Cambridge, England. Magnetic focusing device for cathode-ray tubes. 2,606,301, Aug. 5.

Court, Patrick R. J., assignor to Pye Limited, Cambridge, England. Television scanning circuits. 2,606,305, Aug. 5.

Court, Virginia F., executrix: *See*—
Court, Frank T.

Courtaulds Limited, assignee: *See*—
Atkins, Arthur A.
Atkins, Arthur A., Averns, and Walker.
Averns, Harry M., and Straw.
Carpenter, Albert S., Reeder, and Wallsgrove.
Carpenter, Albert S., and Wallsgrove.
Hanby, William E., Waley, and Watson.
Hardacre, William, and Beaumont.
Hartley, Jack K., West and Edwards.
Jordan, Henry L., Preston, and Sandham.
Sharman, Eric P., and Wilson.
Ward, Frank, and Tallis.
Weigham, William R., and Stokes.

Courtis, Arthur W., and K. G. D. Hallett, Brixton, London, England. Apparatus for placing a pickup on a record at a preselected position. 2,587,970, Mar. 4.

Courtney, Frederick M., Scotia, and H. H. P. Lemmerman, Schenectady, N. Y., assignors to General Electric Company. Three-phase motor control apparatus. 2,593,987, Apr. 22.

Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Push type drain valve. 2,591,514, Apr. 1.

Courtright, Harry C.: *See*—
Steinman, Robert, and Courtright.

Courtwright, Edward, assignee: *See*—
Carter, Ben.

Cousineau, John B., Forest Park, Ill. Stringed musical instrument. 2,610,536, Sept. 16.

Cousins, Edward, assignor to Wingfoot Corporation, Akron, Ohio. Gasket. 2,597,976, May 27.

Cousins, Harry D., Chicago, Ill. Electric connector. 2,609,416, Sept. 2.

Cousins, Howard M.: *See*—
Messinger, Bernard L., and Cousins.

Cousins, Richard J. W.: *See*—
Fell, Louis F. R., and Cousins.

Cousins, Sydne, Long Beach, N. Y. Diaphragm control slip. 2,584,556, Feb. 5.

Cousteau, Jacques Y.: *See*—
Gagnan, Emile, and Cousteau.

Cousteau, Jacques Y., Paris, France. Diving apparatus. 2,593,988, Apr. 22.

Cousy, Edwin V.: *See*—
Williams, Everard M., and Cousy.

Coutchure, Wencel L.: *See*—
Sweeny, Robert D., and Coutchure.

Coutelen, Julien H., Levallois Perret, France, assignor, by mesne assignments, to Dukane Corporation, St. Charles, Ill. Talking machine combined with a still projector and film strip therefor. 2,581,079, Jan. 1.

Coutor, Charles, assignor to Etablissements Lamblotte Freres, Premery, France. Distillation of wood carbonization products. 2,623,845, Dec. 30.

Coutu, Alfred J., Detroit Mich. Aligning gauge for thread rolling dies. 2,603,879, July 22.

Couture, Edward C.: *See*—
Murphy, John E., Beckemeier, and Couture.

Couzinet, René A. A., Paris, France. Advertising poster frame. 2,601,734, July 1.

Covan, Morton, Hollywood, Calif. Two-way mailing device. 2,623,686, Dec. 30.

Covel Mfg. Co., assignee: *See*—
Erikson, Gustaf, and Filstrup.

Covell, Kenneth A.: *See*—
Carr, Richard H., and Covell.

Covelli, Antonio, Buenos Aires, Argentina. Composition for inserting into the inner tubes of vehicle tires for the purpose of avoiding the effect of punctures. 2,606,125, Aug. 5.

Cover, Ralph, Westminster, Md. Washing and screening machine. 2,588,088, Mar. 4.

Covert Electric Machinery Company, assignee: *See*—
Gifford, Maurice E.

Covert, Roy H.: *See*—
Fuqua, Homer B., and Covert.

Coviello, Anthony R., Tulare, Calif. Reversible plow. 2,600,359, June 10.

Cowan, Ben and E., Montreal, Quebec, Canada. Flat screen for pulp screening. 2,594,400, Apr. 29.

Cowan, Elijah: *See*—
Cowan, Ben and E.

Cowan, Eugene W., assignor to California Institute Research Foundation, Pasadena, Calif. Impulse counter. 2,618,766, Nov. 18.

Cowan, Harry, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel burner. 2,587,700, Mar. 4.

Cowan, John C.: *See*—
Beckel, Arthur C., and Cowan.
Beckel, Arthur C., Cowan, and Belter.
Evans, Cyril D., Schwab, and Cowan.
McKinney, Leonard L., and Cowan.
McKinney, Leonard L., Uhing, Setzkorn, and Cowan.
Schwab, Arthur W., Evans, and Cowan.

Cowan, John C., and H. M. Teeter, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Synthetic resins from maleic anhydride-alkyl oleate adduct and an alkylene diamine. 2,582,235, Jan. 15.

Cowan, John C., Peoria, C. D. Evans, Peoria Heights, L. L. McKinney, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Acrylonitrile protein derivatives. 2,594,293, Apr. 29.

Cowan, John C., Peoria, and C. D. Evans, Peoria Heights, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils with iminodisuccinic acid. 2,594,294, Apr. 29.

Cowan, Nathan, Melrose Park, Ill., assignor to Air Rectifiers, Inc. Ventilating wall block. 2,611,310, Sept. 23.

Cowden, Robert K.: *See*—
Krotz, Alvin S., and Cowden.

Cowden, Wilbern R., Sevierville, Tenn. Adjustable control plane for fish lure. 2,580,733, Jan. 1.

Cowdrey, Cecil L., Markyate, and J. Kinsella, Luton, assignors to D. Napier & Son Limited, London, England. Electrical heating apparatus. 2,590,944, Apr. 1.

Cowdrey, Cecil L., Markyate, and K. H. Greenly, Luton, assignors to D. Napier & Son Limited, London, England. Cooling apparatus for use with aero or other engines. 2,593,541, Apr. 22.

Cowell, Willard H.: *See*—
Biles, John L., Myers, Petry, and Cowell.

Cowen, A. Frank, Jr.: *See*—
Stanley, Robert M., and Cowen.

Cowgill, Lewis F., Cleveland, Ohio. Bowling ball automatic retarder. 2,597,072, May 20.

Cowgill, William W., Fairfield, Conn., assignor to United States Rubber Company, New York, N. Y. Synthetic resin coated paper. 2,597,087, May 20.

Cowherd, Robert D., Atlanta, Ga., assignor to The Briatol Company, Waterbury, Conn. Liquid density apparatus. 2,597,621, May 20.

Cowie, Charles T. Y.: *See*—
Jones, David G., and Cowie.

Cowles Chemical Company, assignee: *See*—
MacMullen, Clinton W.

Cowles, Ellsworth C., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Combined compressor and engine. 2,614,497, Oct. 21.

Cowles, Irving, Chicago, Ill. Gas welding and cutting tip. 2,623,577, Dec. 30.

Cowles, John G., Rainier, Oreg. Retractable ground-gripping device for vehicle wheels. 2,580,522, Jan. 1.

Cowley, Keith, Black Rock, Victoria, Australia. Optical leveling instrument. 2,607,260, Aug. 19.

Cox, Boyd W., assignee: *See*—
Young, Henry E., and Farnham.

Cox, Claude E., Detroit, Mich. Flowmeter. 2,604,784, July 29.

Cox, Duncan B., Woodbury, N. Y. Control instrument. 2,583,547, Jan. 29.

Cox, Duncan B., Woodbury, N. Y. Electric heating unit. 2,585,443, Feb. 12.

Cox, Duncan B., Woodbury, N. Y. Metal foil heating device. 2,600,485, June 17.

Cox, Duncan B., Woodbury, N. Y. Electric heater. 2,600,486, June 17.

Cox, Duncan B., Woodbury, N. Y. Electric heating element. 2,610,286, Sept. 9.

Cox, Edwin P., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Wood fiber base material and making the same. 2,581,635, Jan. 8.

Cox, Edwin P., Los Angeles, Calif. Fishhook disengaging device. 2,597,229, May 20.

Cox, Edwin P., Los Angeles, Calif. Device for disengaging fishhooks or the like. 2,607,140, Aug. 19.

Cox Enterprises, Inc., assignee: *See*—
Cox, Tracy W.

Cox, Ernest L., and J. W. Guice, assignors to Wilson Stove and Manufacturing Company, Inc., Metropolis, Ill. Magazine heater. 2,614,553, Oct. 21.

Cox, Harmer L., West Englewood, N. J., assignor to Louis Marx & Company, New York, N. Y. Toy vehicle with simulated horn. 2,623,328, Dec. 30.

Cox, Herman E., Norfolk, Va. Nutcracker. 2,594,401, Apr. 29.

Cox, J. William, assignee: *See*—
Clifton, Wayne L.

Cox, Jerome R., trustee, assignee: *See*—
Filak, Andrew M.

Cox, John R., assignor to The Balas Collet Manufacturing Co., Cleveland, Ohio. Collet. 2,595,828, May 6.

Cox, Joseph B., assignor to Oregon Saw Chain Corporation, Portland, Oreg. Filing gauge. 2,622,338, Dec. 23.

Cox, Joseph B., Seattle, Wash., assignor, by mesne assignments, to Oregon Saw Chain Corporation, Portland, Oreg. Chain saw. 2,622,636, Dec. 23.

Cox, Joseph J., High Point, N. C. Picker stick. 2,606,576, Aug. 12.

Cox, Lee R., Sacramento, assignor to Modoc Laboratories, Inc., Alturas, Calif. Metals recovery unit. 2,617,525, Nov. 11.

Cox, Norman L., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning viscose. 2,581,835, Jan. 8.

Cox, Robert, and H. Sipkes, Ijmuiden, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Electric heater. 2,596,327, May 13.

Cox, Robert B., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Electrolytic apparatus. 2,598,228, May 27.

Cox, Robert E.: *See*—
Silver, Walter H., and Cox.

Cox, Robert H., Modesto, Calif. Irrigation signal. 2,584,425, Feb. 5.

Cox, Shaun M.: *See*—
Jobling-Purser, Ernest J., Cox, Kirby, and Murdoch.

Cox, Thomas C., Manhattan, Kans. Sewing box. 2,598,976, June 3.

Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Endless conveyer for supporting conductors or cables in vulcanizing tubes. 2,599,746, June 10.

Cox, Thomas K., Randallstown, and F. P. Lyons, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Retractile cord and making it. 2,609,417, Sept. 2.

Cox, Tracy W., assignor to Cox Enterprises, Inc., Salem, Oreg. Heater for internal-combustion engines. 2,612,885, Oct. 7.

Cox, Walter A., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Rate valve. 2,622,614, Dec. 23.

Cox, Warren E., New York, N. Y. Illuminating system for paintings and the like. 2,615,121, Oct. 21.

Cox, Williaam J., assignor to Williaam J. Cox Limited, London, England. Display form for hosiery. 2,588,704, Mar. 11.

Cox, Williaam J., Limited, assignee: *See*—
Cox, Williaam J.

Coxe, Charles D., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of shaped articles from acrylonitrile polymers. 2,585,444, Feb. 12.

Coxhead, Harry B., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic selection of receiving channels. 2,590,234, Mar. 25.

Coxhead, Ralph C., Corporation, assignee: *See*—
Norton, Charles W.

Coxon, George E., Cicero, assignor to Stewart-Warner Corporation, Chicago, Ill. Pressure gauge. 2,607,228, Aug. 19.

Coy, Don W.: *See*—
Richardson, Ralph R., and Coy.

Coykendall, Horatio F., Redwood City, Calif. Revolving antproof cooler shelf. 2,590,380, Mar. 25.

Coykendall, John C., Milford, Conn., assignor to General Electric Company. Time interval measuring system. 2,617,984, Nov. 11.

Coyle, Francis S., Paonia, Colo., assignor of fifty per cent to W. P. Coyle, Eagleville, Mo. Reversible hydraulic jack. 2,614,389, Oct. 21.

Coyle, Wendell P., assignee: *See*—
Coyle, Francis S.

Coyne, André, J. Bellier, and J. Marion, Paris, France. Acoustic manometer. 2,604,787, July 29.

Coyne, David, New York, N. Y. Annunciator for elevators and the like. 2,594,733, Apr. 29.

Coyne, Howard L., Nassau, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable impulse transmitter. 2,597,570, May 20.

Coyner, James M., Madison, Wis. Pipe joint. 2,583,041, Jan. 22.

Coyner, James M., Madison, Wis. Watering and feeding device for stock cars. 2,595,337, May 6.

Cozzoli, Frank J., Plainfield, N. J. Washing machine, including control valve. 2,604,896, July 29.

Cozzoli, Frank J., Plainfield, N. J. Filling machine with controlled drawback. 2,605,025, July 29.

Cozzoli, Frank J., Plainfield, N. J. Filling machine with constant drawback. 2,605,036, July 29.

Cozzone, John A., Newark, N. J. Toy construction rod. 2,583,474, Jan. 22.

Crabtree, George W., Cleveland Heights, Ohio. Hydraulic spring-controlling device. 2,587,443, Feb. 26.

Crabtree, J. A., & Co. Limited, assignee: *See*—
Besag, Ernst, Hill, and Wintle.
Besag, Ernst, and Wintle.
Burgess, Frank H.

Crabtree, John O., and C. W. Marshall, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Mechanism to secure stereotype printing plates and in printing plates for use with that mechanism. 2,623,462, Dec. 30.

Crabtree, Otis H., Long Beach, Calif. Sand catcher. 2,580,660, Jan. 1.

Cracker, Lloyd A., Muscatine, Iowa. Plug-type fish lure. 2,609,633, Sept. 9.

Craddock, Douglas L., Leaksville, N. C. Protecting shield. 2,591,783, Apr. 8.

Craft, Clifford J., 3rd., Philadelphia, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gaseous discharge device. 2,593,109, Apr. 15.

Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Building structure. 2,590,687, Mar. 25.

Crafts, Curtis S., Oak Park, and C. V. Knell, Glenn Ellyn, assignors to The Goss Printing Press Company, Chicago, Ill. Stereotype finishing machine. 2,604,017, July 22.

Cragg, William D., and M. L. Gayford, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Microphone windshield. 2,623,957, Dec. 30.

Craggs, Donald E., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Measurement of fluid flow in boreholes by radioactivity. 2,617,941, Nov. 11.

Cragoe, Edward J., Jr., Ridley Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkylidenecyanoacetates and improved process for preparation thereof. 2,623,060, Dec. 23.

Crahan, Jack B., assignor to Flexsteel Spring Corporation, Minneapolis, Minn. Sofa bed. 2,619,656, Dec. 2.

Craig, Alfred B.: *See*—
Ringwald, Eugene L., and Craig.

Craig, Alfred B., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Fiber forming solutions. 2,613,194, Oct. 7.

Craig, Alfred B., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Fiber spinning solutions. 2,613,195, Oct. 7.

Craig, Alfred B., Dayton, and E. W. Gluesenkamp, Centerville, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Fiber forming composition containing polymerized acrylonitrile. 2,603,621, July 15.

Craig, Alfred J., deceased, Euclid, Ohio; J. M. Craig, executrix, assignor to herself. Faller bar and making same. 2,606,269, Aug. 5.

Craig, Burnie J., Los Angeles County, Calif. Dovetail construction. 2,613,097, Oct. 7.

Craig, Burnie M., Pasadena, Calif., assignor to M. J. McAneny, Buffalo, N. Y. Strap fastening tool. 2,612,804, Oct. 7.

Craig, Charles A., Santa Barbara, Calif. Artificial bait for fish lures. 2,603,022, July 15.

Craig Corporation, assignee: *See*—
Britcher, Charles W.

Craig, Ernest, Lakefield, Ontario, Canada. Percussion rock drill. 2,584,330, Feb. 5.

Craig, Ernest, Lakefield, Ontario, Canada. Rotary percussion drill. 2,584,331, Feb. 5.

Craig, Floyd B., Pitcairn, and R. H. Webb, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ridged wave guide attenuator. 2,590,511, Mar. 25.

Craig, Frank S., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Tightening and fastening means for casing covers. 2,597,707, May 20.

Craig, Jessie M., executrix, assignee: *See*—
Craig, Alfred J.

Craig, Jon R., Columbus, Ga. Disappearing stairway. 2,582,622, Jan. 15.

Craig Kemp Limited, assignee: *See*—
Kemp, Jack V. L.

Craig Machine, Inc., assignee: *See*—
Whelan, James P.

Craig, Merle E., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Siftproof bag bottom. 2,600,487, June 17.

Craig, Palmer H., Coral Gables, Fla. Storage battery cap with gas recombining means. 2,615,062, Oct. 21.

Craig, Paul N., Pennsauken, N. J., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Tetrahydrofurano immonium salts and their preparation. 2,618,638, Nov. 18.

Craig, Samuel T.: *See*—
Mayer, Charles M., and Craig.

Craig, W. E., Philadelphia, Pa., and M. J. Culver, Cincinnati, Ohio, assignors to Rohm & Haas Company, Philadelphia, Pa. Tert - octyl di(cyanomethyl)amine. 2,589,208, Mar. 18.

Craig, W. E., and L. J. Exner, assignors to Rohm & Haas Company, Philadelphia, Pa. Benzyl-tert.-octylamine. 2,613,226, Oct. 7.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Production of pigmented cellulosic pulp. 2,583,548, Jan. 29.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Forming pigment in cellulose fiber and paper containing the pigmented fiber. 2,599,091, June 3.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Multiple layer paper containing pigmented pulp and making. 2,599,092, June 3.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Pigmented cellulose fiber. 2,599,093, June 3.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Cellulosic fibrous calcium silicate pigment, making it and a sheet of paper containing it. 2,599,094, June 3.

Craig, Willis G., Willoughby, assignor to The Lubrizol Corporation, Wickliffe, Ohio. Nitrobenzyl thiophosphate esters. 2,609,383, Sept. 2.

Craighead, John R., Denver, Colo. Tooling articles of leather or the like. 2,581,361, Jan. 8.

Craigo, John M., East Hartford, Conn. Denture making appliance. 2,610,402, Sept. 16.

Craigon, Adam: *See*—
Margison, Arthur D., and Craigon.

Craigon, Adam, assignor to Margison and Babcock, Toronto, Ontario, Canada. Sliding door mounting device. 2,599,747, June 10.

Craig-Wallace, Lauretta, Newport, R. I. Portable support sent. 2,605,817, Aug. 5.

Crain, Joel A., Clovis, Calif. Grape vineyard cultivator. 2,611,309, Sept. 23.

Crain, Millard, San Jose, Calif. Tile cutter with gauging means. 2,619,173, Nov. 25.

Crain, Robert L.: *See*—
Mueller, Robert A., and Crain.

Crain, Robert L., assignor to Gray Tool Company, Houston, Tex. Oil well swivel. 2,590,512, Mar. 25.

Crain, Robert L., assignor to Gray Tool Company, Houston, Tex. Well manifold. 2,590,688, Mar. 25.

Crain, Robert L., assignor to Gray Tool Company, Houston, Tex. Rotary swivel. 2,610,828, Sept. 16.

Craine, Robert E., Sr., Great Bend, Kans. Rat hole drill. 2,581,362, Jan. 8.

Crake, Wilfred S. E., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Wide range flow control valve. 2,596,534, May 13.

Cram, Harkness W., Pelham, and J. O. Forster, assignors, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Wire coil insert with tapered end. 2,586,007, Feb. 19.

Cram, Hervey G., Appleton, Wis. Syphon for driers. 2,617,205, Nov. 11.

Cram, Ozro H., Sanford, Maine. Lubricating device for looms. 2,622,630, Dec. 23.

Cramer, Allan H., Inglewood, assignor of one-half to H. L. Nielsen, Long Beach, Calif. Combined iron rest and ironing cord retriever. 2,603,431, July 15.

Cramer, Archie B.: *See*—
Wright, Howard J., and Cramer.

Cramer, Clifford H.: *See*—
Wells, Philip H., and Cramer.

Cramer, Friedrich W., and O. W. F. Saffran, Bochum-Dahlhausen, assignors to Dr. C. Otto & Company, G. m. b. H., Bochum, Germany. Manufacture of silica brick from highly siliceous sands. 2,599,236, June 3.

Cramer, R. W., Company, Incorporated, The, assignee: *See*—
Schellens, Eugene L.

Cramer, Raymond H., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Abrading machine. 2,591,784, Apr. 8.

Cramer, Roy A., Kansas City, Mo. Chair with automatically shiftable seat and adjustable back. 2,609,032, Sept. 2.

Cramer, Roy A., Kansas City, Mo. Combined foot and spring supported caster. 2,613,389, Oct. 14.

Cramer, Roy A., Kansas City, Mo. Table clamp for typewriters or the like. 2,619,307, Nov. 25.

Cramer, Willis B., assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Trap for toilet bowls. 2,616,094, Nov. 4.

Cramer, Wilson E., Sparta, Wis. Container and closure therefor. 2,604,226, July 22.

Cramp, George B., Denver, Colo. Process and apparatus for carbonization. 2,581,517, Jan. 8.

Crampton, Carl T., and E. L. Miller, Sioux Falls, S. Dak. Hydraulic loader. 2,619,242, Nov. 25.

Crampton Manufacturing Company, assignee: *See*—
Krucki, Charles S.

Cranch, Edward J.: *See*—
Phillips, William E., and Cranch.

Crandall Dry Dock Engineers Inc., assignee: *See*—
Crandall, James S.

Crandall, Eugene L., Schenectady, N. Y., assignor to General Electric Company. Electric cable lead with crepe paper insulation. 2,607,822, Aug. 19.

Crandall, George W., Elmira, N. Y. Support for drying kitchen bowl covers. 2,583,475, Jan. 22.

Crandall, James S., Lexington, assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass. Side-haul railway dry dock. 2,590,689, Mar. 25.

Crandall, Julian T., Ashaway, R. I., assignor to Ashaway Line & Twine Mfg. Co. Outrigger rod. 2,593,989, Apr. 22.

Crandall, Ronald E., and J. E. Glenn, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Aileron, flap, and dive brake. 2,612,329, Sept. 30.

Crandell, Frank F., Pasadena, assignor to Photo Research Corporation, San Fernando, Calif. Color temperature meter and spectrometer. 2,587,602, Mar. 4.

Crandell, Frank F., Pasadena, and H. Heidt, Inglewood, assignors to Photo Research Corporation, San Fernando, Calif. Direct reading color temperature meter. 2,587,601, Mar. 4.

Crandon, Lawrence H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multivibrator circuit. 2,605,403, July 29.

Crane & Breed Casket Company, The, assignee: *See*—
Slaughter, Bernard J., Jr.

Crane, Carlton L., assignee: *See*—
Maim, Carl J., and Crane.

Crane, Carlton L., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of cellulose acetate sulfates. 2,582,009, Jan. 8.

Crane, Carlton L., assignor to Eastman Kodak Company, Rochester, N. Y. Precipitating high acetyl cellulose acetate. 2,596,656, May 13.

Crane, Carlton L., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate sulfate in fibrous form. 2,622,079, Dec. 16.

Crane, Charles S., Findlay, Ohio. Tire mounting and demounting apparatus with circumferentially distributed thrust members. 2,585,628, Feb. 12.

Crane, Charles S., and R. A. Dove, Porterville, Calif. Nose tattooing device for cattle. 2,593,110, Apr. 15.

Crane Co., assignee: *See*—
Bolling, Carl.
Bryant, Corwin W.
DeCraene, Edmond P., and Schmidt.
Glauque, Charles A.
Glaza, Thaddeus J.
Hansen, George.
Hjulian, Julius A.
Hjulian, Julius A., and Carlson.
Kanter, Jerome J.
Siebert, Norman R.
Stavoe, Arthur M., and Carrie.
Trefil, James.
Ziegler, Nicholas A., Goldsmith, and Lahr.

Crane, Denis P.: *See*—
Ford, Ronald M., and Crane.

Crane, Edith F., Poughkeepsie, N. Y. Removable handle. 2,599,434, June 3.

Crane, Edward, assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Recirculation filter. 2,614,696, Oct. 21.

Crane, Edward J., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Poultry shackle. 2,614,287, Oct. 21.

Crane, Grant, and K. C. Eberly, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. 1,1-dichlorobutadiene-1,3, its preparation and polymers. 2,581,925, Jan. 8.

Crane, Neil, assignor to Eugene A. Casaroll, Detroit, Mich., as trustee. Variable delivery vane-type hydraulic pump. 2,584,426, Feb. 5.

Crane Packing Company, assignee: *See*—
Brackett, Newell.
Hanke, Paul T.
Montgomery, George E.
Payne, Frank E.
Roshong, Raymond G.
Schmitz, Carl E.
Stack, Theodore T.
White, Fred L.

Crane Packing Limited, assignee: *See*—
Wilkinson, Samuel C. W.

Crane, Robert, Jr., Chappaqua, and G. R. Gamertsfelder, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Interoffice telephone system. 2,584,259, Feb. 5.

Crane, Robert, Jr., Chappaqua, and L. L. Pourciau, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Keyed automatic gain control and sync separator. 2,589,927, Mar. 18.

Crane, Robert L.: *See*—
Marshall, Donald E., Harrington, and Crane.

Crane, Robert L., Glen Lake, assignor to Continental Machines, Inc., Savage, Minn. Holder for band-saw guides. 2,601,095, June 17.

Crane, Robert L., Glen Lake, assignor to Continental Machines, Inc., Savage, Minn. Safety control mechanism for band saw machines. 2,607,373, Aug. 19.

Crane, Samuel G., assignor of one-half to C. H. Reed, Omaha, Nebr. Electric timing device. 2,588,908, Mar. 11.

Cranford, Floyd L. O., Baton Rouge, La. Quick-change casing stabbing board. 2,582,528, Jan. 15.

Cranford, Jesse A., Buffalo, assignor to Western Electric Company, Incorporated, New York, N. Y. Continuity test apparatus. 2,610,229, Sept. 9.

Crank, Harold R., Overland Park, Kans. Popping of corn. 2,607,283, Aug. 19.

Crank, Harry W.: *See*—
Beyer, Frank A., Bradley, and Crank.

Crankshaw, John H., Erie, Pa., assignor to General Electric Company. Bearing assembly. 2,581,173, Jan. 1.

Crankshaw, John H., Erie, Pa., assignor to General Electric Company. Self-ventilated dynamoelectric machine having an air cleaner. 2,591,408, Apr. 1.

Crankshaw, John H., and W. S. O'Kelly, Erie, Pa., assignors to General Electric Company. Inertia type air cleaning device. 2,616,519, Nov. 4.

Cranmer, George H., Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,590,235, Mar. 25.

Cranmer, Bjarne Holen, Ostofoldbanen, Norway. Jaw design and adjusting means for pipe tongs. 2,608,893, Sept. 2.

Cranor, Gifford B., assignor to Tomkins-Johnson Company, Jackson, Mich. Inclined underfeed riveting machine with magnetic anvil. 2,613,009, Oct. 7.

Cranston, Albert E., Sr., Oak Grove, Oreg. Wire binding machine. 2,608,150, Aug. 26.

Crantz, Carl G.: *See*—
Harris, Frederick W., and Crantz.

Crapster, Bowie C., Salem, Ohio. Time indicating key holder. 2,596,374, May 13.

Crapuchettes, Paul W., Palo Alto, assignor to M. R. Klein, San Francisco, Calif. Electronic voltmeter with a plurality of inputs. 2,588,209, Mar. 4.

Crary, Jay D., assignor to Paper Strap Incorporated, Portland, Oreg. Handled container and manufacture. 2,603,407, July 15.

Crary, Jay D., assignor to Paper Strap Inc., Portland, Oreg. Shopping bag. 2,603,408, July 15.

Crary, Jay D., assignor to Paper Strap Inc., Portland, Oreg. Handled container. 2,603,409, July 15.

Craston, John L., Malvern, England. Sealing glass to sapphire. 2,584,427, Feb. 5.

Crate, James H., Detroit, Mich. Coffee-brewing apparatus. 2,622,504, Dec. 23.

Crauland, Marc J. L., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Making colorless amino-2-thiazole. 2,600,620, June 17.

Craven, John: *See*—
Charlesworth, Percy A., and Craven.

Craver, Alvis W., Greensboro, N. C. Stump lifter attachment for tractors. 2,618,871, Nov. 25.

Craver, John K.: *See*—
Gamrath, Harry R., and Craver.

Craver, Thomas W., executor: *See*—
Mirfield, George B.

Crawford, Arthur N., Baker, Oreg. Joint lock mechanism for digging cap of excavating tooth assemblies. 2,610,416, Sept. 16.

Crawford, Arthur N., Hermosa Beach, Calif. Locking device for removable points for earth-working tooth units. 2,610,417, Sept. 16.

Crawford, Arthur R., Worthington, Ohio. Mass spectrometer for simultaneous multiple gas determinations. 2,601,097, June 17.

Crawford, Carlos E., Wichita Falls, Tex. Valve. 2,616,656, Nov. 4.

Crawford, Charles W.: *See*—
Noll, Paul E., Crawford, Aller, Rethey.

Crawford, Chester C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of vegetable oils. 2,596,010, May 6.

Crawford, Clarence L., Plum Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for producing synthesis gas. 2,613,145, Oct. 7.

Crawford, Clark A., Corning, and A. Miller, Elmira, assignors to Corning Glass Works, Corning, N. Y. Electrically heated appliance and stand therefor. 2,609,478, Sept. 2.

Crawford, Claud F., Pasadena, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Bunion pad and the like. 2,585,629, Feb. 12.

Crawford, David A., assignor to The Pullman Company, Chicago, Ill. Railway sleeping car. 2,612,120, Sept. 30.

Crawford, David C., Grosse Pointe Woods, Mich. Shoe sole straightener. 2,587,971, Mar. 4.

Crawford Door Company, assignee: *See*—
Robinson, Lowell V.
Venditty, Anthony.

Crawford, Elijah C., Chicago, Ill. Toolholder. 2,594,402, Apr. 29.

Crawford, Frederick A. F., Aylesbury, Glenageary, Ireland, assignor to Imperial Chemical Industries Limited. Continuous manufacture of liquid nitric esters. 2,606,919, Aug. 12.

Crawford, Harvey B., La Canada, Calif. Hose carrier. 2,609,231, Sept. 2.

Crawford, Harvey B., La Canada, Calif. Hose reel. 2,615,755, Oct. 28.

Crawford, Henry V., and L. J. Parkinson, Schenectady, N. Y., assignors to General Electric Company. Liquid rheostat. 2,602,125, July 1.

Crawford, Herbert R.: *See*—
Malott, Ira M., and Crawford.

Crawford, Howard E., assignor to Wm. O. Ballard, Toledo, Ohio. Dental engine control. 2,611,836, Sept. 23.

Crawford, James V., and R. W. Jensen, assignors to The Garrett Corporation, Los Angeles, Calif. Anchor. 2,593,111, Apr. 15.

Crawford, James V., and R. W. Jensen, assignors to The Garrett Corporation, Los Angeles, Calif. Apparatus for separating liquids and gases. 2,607,437, Aug. 19.

Crawford Manufacturing Co., Inc., assignee: *See*—
Whaley, John W.

Crawford Manufacturing Company, Incorporated, The, assignee: *See*—
Antonevich, Michael.

Crawford, Ray, assignee: *See*—
Robbins, Winnie D.

Crawford, Richard A.: *See*—
Morrissey, Richard T., and Crawford.

Crawford, Thomas B., Arcadia, Calif., assignor to Babson Bros. Co. Lid for suspended milkers. 2,613,637, Oct. 14.

Crawford, Thomas J.: *See*—
Caputo, James V., and Crawford.

Crawford, William B., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Hanger fitting. 2,600,974, June 17.

Crawford, William R., Covington, Ky., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Range cluster switch. 2,612,133, Sept. 30.

Crawford, William R., Park Hills, Ky., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Range light reflector shield. 2,616,026, Oct. 28.

Crawford, William S., Dallas, and A. S. Graham, Carrollton, Tex. Bin batching plant. 2,591,785, Apr. 8.

Crawley, Charles H., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Pipe fitting. 2,584,845, Feb. 5.

Crawley, John J., Scarsdale, assignor to Wm. H. Wise & Co., Inc., New York, N. Y. Thermometer. 2,612,046, Sept. 30.

Crawley, William P., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Filter media. 2,615,477, Oct. 28.

Cravens, Benjamin B., Pawtucket, R. I., assignor, by mesne assignments, to Whitin Machine Works. Device for parallelizing fibers in sliver or roving during drafting. 2,611,155, Sept. 23.

Creamer, Edgar M., Jr., assignor to Philco Corporation, Philadelphia, Pa. Triangular pulse generator. 2,585,093, Feb. 12.

Creamer, Edgar M., Jr., Philadelphia, and W. P. Boothroyd, Huntingdon Valley, assignors to Philco Corporation, Philadelphia, Pa. Modulator. 2,601,096, June 17.

Creamery Package Mfg. Company, The, assignee: *See*—
Wakeman, Alden H.

Creary, Daniel W., assignee: *See*—
Sopris, Robley F.

Creaser, Charles W., Jr., Wrentham, Mass., assignor, by mesne assignments, to The Gabriel Company, Cleveland, Ohio. Rotary coaxial switch. 2,601,372, June 24.

Creasey, Amy C., assignor of one-half to C. L. Johnson, Los Angeles, Calif. Hobbyhorse. 2,604,330, July 22.

Crede, Charles E.: *See*—
Lambert, Frank, Jr., and Crede.

Crede, Charles E., Winchester, assignor to The Barry Corporation, Cambridge, Mass. Seismic frame structure. 2,586,307, Feb. 19.

Crede, Charles E., Winchester, Mass., assignor to The Barry Corporation. Vibration isolator. 2,610,016, Sept. 9.

Creed and Company Limited, assignee: *See*—
Mason, Frederick P.
Salmon, Reginald D.
Salmon, Reginald D., and Kirchel.
Salmon, Reginald D., and Turner.

Creed, Kenneth E., Jr., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making agglomerates for rubber compounding and product thereof. 2,598,229, May 27.

Creedon, Neil J., Glens Falls, N. Y. Refrigerator shelf with guide tracks. 2,581,363, Jan. 8.

Creek, John O., Brampton, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Machine for polishing blades. 2,589,782, Mar. 18.

Creek, John O., Brampton, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Tool dresser for pattern controlled machine tools. 2,594,130, Apr. 22.

Creel, William H.: *See*—
Freund, Robert R., and Creel.

Creelman, George D., Cleveland Heights, Ohio, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Distillation of Carbonaceous solids. 2,595,338, May 6.

Creelman, George D., Cleveland Heights, Ohio, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Treatment of carbonaceous solids. 2,606,145, Aug. 5.

Crego, Francis T., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Preparing surfaces for tinning. 2,594,129, Apr. 22.

Creighton, Francis S., Elmira, N. Y. Combination eyeshade and sunglasses. 2,616,082, Nov. 4.

Cremean, Alva D., Searcy, Ark. Fuel mixing device. 2,609,280, Sept. 2.

Cremeens, Bert O., Whittier, Calif. Sucker rod rotator. 2,603,098, July 15.

Cremer, Frederick, Chicago, Ill. Steelmaking process. 2,590,843, Apr. 1.

Cremer, Michel, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Air blast circuit breaker with switching resistance. 2,614,193, Oct. 14.

Crescenzi, George, Brooklyn, N. Y. Slide cap. 2,600,853, June 17.

Crescenzi, Humbert, Tampa, Fla. Bed cover. 2,603,798, July 22.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Antistatic treatment of articles comprising vinyl resins and treated articles. 2,581,836, Jan. 8.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Antistatic agent, treatment of shaped articles therewith, and treated articles. 2,597,708, May 20.

Cresswell, Arthur, Stamford, and P. W. Cummings, Jr., Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing a solution of an acrylonitrile polymerization product. 2,605,246, July 29.

Cresswell, Arthur, Stamford, and I. Wizon, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Fiber-forming apparatus. 2,614,289, Oct. 21.

Cresswell Roll Forming Company, Limited, assignee: *See*—
Kinghorn, Charles M.

Crest Foods Co., assignee: *See*—
Scott, Everette C.

Crest Lock Co., Inc., assignee: *See*—
Levine, David.

Crest Silver Mfg. Co. Inc., assignee: *See*—
Shatkin, Rubin.
Shatkin, Sidney.

Creswell, David R., Douglas, Ariz. Vacuum cleaner nozzle having internal baffles. 2,581,002, Jan. 1.

Creswick, Edward A., and T. F. Johnson, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Filter housing. 2,582,311, Jan. 15.

Cretors, C., & Co., assignee: *See*—
Cretors, Charles J.

Cretors, Charles J., Highland Park, assignor to C. Cretors & Co., Chicago, Ill. Corn popping machine. 2,604,030, July 22.

Creveling, Hurley M., Elizabeth, N. J. Carriage step-starter. 2,606,035, Aug. 5.

Crew, Beatrice L., Compton, Calif. Surgical apparatus. 2,610,630, Sept. 16.

Crowe, Peter R., Shanklin, assignor to Saunders-Roe Limited, Osborne, East Cowes, Isle-of-Wight, England. Planing bottom for boats. 2,601,836, July 1.

Cribben and Sexton Company, assignee: *See*—
Buhman, Conrad J., and Nelson.
Gillette, Benjamin A.
Kamin, George W., and Wolske.
Nelson, James A., and Port.
Zaltzman, Arthur.

Crick, Linville H., Jr.: *See*—
Bowland, Charles R., and Crick.

Crickmer, Charles S., South Pasadena, assignor to C. A. Miketta, Los Angeles, Calif. Well drilling transmission power means. 2,620,165, Dec. 2.

Crider, Alvin L., Hot Springs, Ark. Kite reel. 2,600,049, June 10.

Crim, Dwight O.: *See*—
Foust, Floyd J., Childress, Crim, and Thompson.

Crim, Elmo P., Evergreen Park, assignor to Acme Steel Company, Chicago, Ill. Stitching machine. 2,614,253, Oct. 21.

Crimmins, Inez C., Minneapolis, Minn. Serving utensil. 2,594,403, Apr. 29.

Criner, Harry E., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Vortex control system. 2,622,735, Dec. 23.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Toy spring gun. 2,580,734, Jan. 1.

Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Automatic shutoff valve. 2,608,998, Sept. 2.

Cripe, Alan R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Railway truck. 2,594,734, Apr. 29.

Cripe, Alan R., Dayton, Ohio. Truck for railroad cars or the like. 2,603,165, July 15.

Cripe, Alan R., Dayton, Ohio. Stair unit for prefabricated stairways. 2,605,868, Aug. 5.

Cripe, Earnest C., Goshen, Ind. Identification means for stranded cables. 2,594,610, Apr. 29.

Cripe, Maxwell L., assignor to Bendix Aviation Corporation, South Bend, Ind. Switch mechanism. 2,621,267, Dec. 9.

Cripe, Owen C., Walton, Ind. Glove turning machine. 2,601,504, June 24.

Crippen, George B., Decatur, Ill. Flexible painting device. 2,604,651, July 29.

Crisafulli, Peter G., Newark, N. J. Weight actuated mechanism and machine. 2,620,914, Dec. 9.

Crise, George W., Columbus, Ohio. Gem stone for articles of jewelry. 2,587,972, Mar. 4.

Crise Manufacturing Company, assignee: *See*—
Korsgren, Theodore Y.

Crisman, Orvil W., New Orleans, La., and A. J. Teplitz, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Locating leaks in well bores. 2,588,210, Mar. 4.

Crisp, George B., Brooklyn, N. Y. Power-driven scaling machine. 2,622,312, Dec. 23.

Crispin, Jay G., Wilton Junction, Iowa. Hydraulic impact device for cleaning pipes. 2,621,668, Dec. 16.

Crissy, Robert J., Union, N. J., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa. Sheet distributing machine. 2,589,676, Mar. 18.

Crist, Jack W., Beachwood, N. J. Electric stove with portable grill. 2,584,187, Feb. 5.

Crist, Philip W., Hempstead, assignor to The Sperry Corportation, Great Neck, N. Y. Control circuit for cathode-ray oscilloscopes. 2,595,228, May 6.

Cristell, Anton T., Scotch Plains, N. J. Miniature toy string instrument. 2,593,990, Apr. 22.

Cristiani, Luigi, Florence, Italy. Device for four-color stereoscopic cinematography based on additional synthesis. 2,596,129, May 13.

Critchley, Thomas, Brimsdown, Enfield, assignor to Johnson & Sons' Smelting Works Limited, Enfield, England. Oxidation of nitrogen oxide fumes. 2,581,518, Jan. 8.

Critchley, Thomas, Brimsdown, Enfield, assignor to Johnson & Sons' Smelting Works Limited, Enfield, England. Manufacture of metal nitrates. 2,581,519, Jan. 8.

Critchlow, Howard T., Jr., Detroit, Mich., and J. J. Marecki, Baltimore, assignors to The Glenn Martin Company, Middle River, Md. Identification tape and making same. 2,598,892, June 3.

Critelli, Louis J., Long Branch, N. J., and A. K. Brown, Jr., Elkhart, Ind. Container support with dispensing device. 2,620,943, Dec. 9.

Crites, Joe, Larchmont, assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Spring means for roller mills and the like. 2,601,954, July 1.

Crites, Nelson A., and N. C. Fick, Columbus, Ohio, assignors, by mesne assignments, to Standard Steel Spring Company, Coraopolis, Pa. Spring structure. 2,597,299, May 20.

Critoph, David I., Grand Rapids, Mich., assignor to American Optical Company, Southbridge, Mass. Unitary condenser lens assembly mounting means for projectors. 2,600,975, June 17.

Critoph, David I., Lancaster, N. Y., assignor to American Optical Company, Southbridge, Mass. Electrical control means for driving mechanisms. 2,615,148, Oct. 21.

Critoph, David I., Snyder, N. Y., assignor to American Optical Company, Southbridge, Mass. Film handling apparatus for projection devices. 2,591,139, Apr. 1.

Critoph, David I., Snyder, J. F. Herrmann, Cheektowaga, N. Y., and F. H. Wolford, Albuquerque, N. Mex., assignors to American Optical Company, Southbridge, Mass. Film projector housing construction. 2,614,458, Oct. 21.

Critser, Kenneth M., Great Bend, Kans. Bait receptacle. 2,620,588, Dec. 9.

Crivella, Joseph C., Washington, D. C. Horse van. 2,621,070, Dec. 9.

Croasdale, John P., Jr.: *See*—
Page, Louis R., Jr., and Croasdale.

Croce, Pascal D.: *See*—
Croce, Santy M. and P. D.

Croce, Santy M., Uniondale, and P. D. Croce, St. James, N. Y. Dispensing tube. 2,605,018, July 29.

Crocker, Charles K., Evanston, A. J. Moyer and V. F. Pfeifer, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Manufacture of sodium gluconate. 2,602,768, July 8.

Crocker, Floyd A.: *See*—
Ridgely, Holland F., and Crocker.

Crockett, Cyril C., assignee: *See*—
Crockett, Sydney R.

Crockett, Elmer F. Lowell, Mass. Semitrailer construction. 2,610,891, Sept. 16.

Crockett, Geoffrey A., London, England. Fountain clock. 2,594,877, Apr. 29.

Crockett, Sydney R., Freeport, N. Y., assignor to C. C. Crockett, Glendale, Calif. Igniting device for smudge pots. 2,601,098, June 17.

Crockett, Thomas E., Corpus Christi, Tex., assignor, by mesne assignments, to Crockett Valve Corporation, Los Angeles, Calif. Valve assembly. 2,608,990, Sept. 2.

Crockett, Thomas E., Corpus Christi, Tex. Toilet flush tank mechanism. 2,608,991, Sept. 2.

Crockett, Thomas E., Corpus Christi, Tex., assignor, by mesne assignments, to Crockett Valve Corporation, Los Angeles, Calif. Float operated valve. 2,614,579, Oct. 21.

Crockett Valve Corporation, assignee: *See*—
Crockett, Thomas E.

Crockett, William P., Jr., assignor to Mackie-Lovejoy Manufacturing Co., Chicago, Ill. Garment hanger. 2,588,965, Mar. 11.

Crockett, William P., Jr., assignor to Mackie-Lovejoy Manufacturing Co., Chicago, Ill. Garment hanger. 2,607,517, Aug. 19.

Crockett, William P., Jr., assignor to Mackie-Lovejoy Manufacturing Co., Chicago, Ill. Garment hanger. 2,608,325, Aug. 26.

Croessant, George F., Wyomissing, Pa. Expanding tool for collapsing anchoring sockets. 2,582,417, Jan. 15.

Croft, Dennis M., Jr., Marianna, and J. D. Barefield, Deliwood, Fla., assignors of one-half to B. E. Hasty. Fishing lure. 2,606,388, Aug. 12.

Croft, George M., Fox Chapel Borough, assignor to Blaw-Knox Company, Pittsburgh, Pa. Impact pulverizer. 2,612,320, Sept. 30.

Croft, Sidney F., Jr., Charlotte, N. C., assignor to Sydell Manufacturing, Incorporated. Waste receptacle. 2,602,584, July 8.

Croker, John W., Alameda, Calif. Inside micrometer. 2,602,234, July 8.

Cromar Company, The, assignee: *See*—
Dittmar, Irvin F.

Crombie Corporation, assignee: *See*—
Abercrombie, Alexander V.

Crome, Lester C., West Alexandria, assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Producing malleable iron castings. 2,595,567, May 6.

Crome, Lester C., West Alexandria, assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Prealloy for the production of cast iron and producing the prealloy. 2,603,563, July 15.

Crome, Lester C., West Alexandria, assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Producing cast iron. 2,622,022, Dec. 16.

Cromeans, John S.: *See*—
Fleming, Harold W., and Cromeans.

Crompton, Arthur, assignor of one-half to Robey & Co. Limited, Lincoln, England. Transfer of materials. 2,613,005, Oct. 7.

Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.
Beatrice, Gabriel C., and Hall.
Beatrice, Gabriel C., and Krukonis.
Blanchard, William A.
Carron, Leon A.
Cederlund, Albert, and Krukonis.
Cederlund, Albert, Palmer, and Schedin.
Dion, Raymond F.
Donnan, Robert A.
Fletcher, Norman.
Fletcher, Norman, and Robb.
Hall, Kenneth J.
Howe, Donald W., Jr., and Sepavich.
Kronoff, Clarence R.
Lamb, Arthur.
Moss, Charles W.
Moss, Charles W., and Blanchard.
Paul, Frederick W.
Pusateri, Francesco J.
Robb, Walter Y.
Sepavich, Victor F.
Sepavich, Victor F., and Donnan.
Snow, Warren S.
Turner, Richard G.
Whitin, Herbert A.

Crompton Manufacturing Company, assignee: *See*—
Jacobson, Edwin B.

Cromwell, Harold J.: *See*—
Schneider, Paul L., Taylor, and Cromwell.

Crone, Albert J., Cincinnati, Ohio. Cigarette holder. 2,580,523, Jan. 1.

Cronheim, Richard B., St. Louis, Mo. Stove accessory. 2,591,786, Apr. 8.

Cronholm, Fredrik N., Salt Lake City, Utah. Brewing apparatus. 2,599,812, June 10.

Cronin, John, Stonington, Conn. Sliding abutment type rotary internal-combustion engine. 2,583,633, Jan. 29.

Cronin, Paul R.: *See*—
Richardson, Frank L., and Cronin.

Cronin, Samuel J., New York, N. Y. Doorknob construction. 2,601,596, June 24.

Cronkhite, John T., Tulsa, Okla. Device for shutting off gases from pipe lines. 2,582,105, Jan. 8.

Cronkright, Lorin L., assignee: *See*—
Pace, Stanley E.

Crook, Harry P.: *See*—
Kline, Paul C., Crook, and Cutsem.

Crooker, David E., Ontonagon, Mich., assignor of one-half to L. L. Felker, Marshfield, Wis. Method of and apparatus for the manufacture of nonskid tire treads. 2,619,678, Dec. 2.

Crooker, Robert M.: *See*—
Fyler, George W., and Crooker.

Crooker, Robert M., assignor to Motorola, Inc., Chicago, Ill. Chassis voltage neutralization. 2,620,457, Dec. 2.

Crooker, Robert M., and G. J. Helsig, assignors to Motorola, Inc., Chicago, Ill. Video amplifier having variable gain and variable band width. 2,584,332, Feb. 5.

Crooks, Harry M., Jr.: *See*—
Jenesel, Nickolas D., Coleman, and Crooks.

Crooks, William R., Grove City, Pa., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio. Method and apparatus for cooling the air supplied to internal-combustion engines. 2,600,736, June 17.

Crookston, Robert R.: *See*—
Park, Robert H., Russell, MacDonald, and Crookston.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling motion take-off. 2,582,682, Jan. 15.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Fluid control system. 2,587,444, Feb. 26.

Crookston, Robert R., Houston, Tex., assignor by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Braking device. 2,589,059, Mar. 11.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Yieldable drive for indicators. 2,603,100, July 15.

Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Applying braking force to hoisting drums. 2,619,201, Nov. 25.

Cropp, Elwin H.: *See*—
Hutchisson, Clarence L., Jr., and Cropp.

Crosby, Edward A., West Newton, Mass. Arbor. 2,582,010, Jan. 8.

Crosby, Kenneth L., Valdosta, Ga. Traveling bag having independently accessible compartments. 2,585,745, Feb. 12.

Crosby, Lemuel S., Towaco, N. J. Mechanical toy simulating a galloping horse. 2,593,991, Apr. 22.

Crosby, Melvin A.: *See*—
Luaces, Enrique L., and Crosby.

Crosby, Wilbur D., Orinda, Calif. Portable power-driven band saw. 2,604,910, July 29.

Croset, Louis P., Colchester, England. Flexible coupling, damper, and the like. 2,621,493, Dec. 16.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Baking oven. 2,593,273, Apr. 15.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Roller machine for the molding of dough and other plastic substances. 2,596,215, May 13.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Biscuitmaking and the like machinery. 2,598,510, May 27.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Vertically swingable conveyer and chute. 2,612,985, Oct. 7.

Crosland, Edward M., Culcheth, near Warrington, and J. F. Naylor, Newton-le-Willows, assignors to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Dough molding and dough sheeting material. 2,615,404, Oct. 28.

Crosland, Percy F., Bury, England. Processing of cloth. 2,621,982, Dec. 16.

Crosley Broadcasting Corporation, assignee: *See*—
Rockwell, Ronald J.

Crosley Division, Avco Manufacturing Corporation, assignee: *See*—
Anderson, Oscar M.

Crosman, Loring P., Darien, Conn., assignor to Remington Rand, Inc., New York, N. Y. Digit shifting circuit. 2,585,630, Feb. 12.

Crosnoe, Ted F.: *See*—
Crouch, Willie W., Crosnoe, and Werkman.

Croson, Clyde R., Wheeling, W. Va. Pipe shaping apparatus. 2,589,541, Mar. 18.

Cross, Alvin C., Lamar, Nebr. Leveler attachment for disk harrows. 2,600,854, June 17.

Cross, Arlie A.: *See*—
Cross, Sherman S., and A. A.

Cross, Carroll N., Middleboro, Mass. Picture mount of interchangeable sections. 2,603,018, July 15.

Cross, Chester E.: *See*—
Christensen, William R., and Cross.

Cross, Edward D., assignor to Alden Products Co., Brockton, Mass. Coupling. 2,621,494, Dec. 16.

Cross, James M.: *See*—
Chiddix, Max E., and Cross.

Cross, James M., Belvidere, N. J., and C. R. Enyeart, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Emulsifying agents. 2,593,112, Apr. 15.

Cross, Mary F., executrix: *See*—
Cross, Roy.

Cross, Ralph E., Grosse Pointe Shores, Mich. Hydraulic cylinder construction and mounting arrangement. 2,584,428, Feb. 5.

Cross, Reginald J., assignor of one-half to Essex Aero Limited, Gravesend, England. Crate for bottles and like containers. 2,588,805, Mar. 11.

Cross, Roy, deceased, Kansas City, Mo.; M. F. Cross and First National Bank of Kansas City, executors. Insecticides. 2,581,174, Jan. 1.

Cross, Sherman S., Cuyahoga Falls, and A. A. Cross, Stow, Ohio. Automatic transmission. 2,597,854, May 27.

Cross, Sherwood T., Elsmere, Del., dedicated to the People of the United States of America by The Pennsylvania Manufacturing Confectioners' Association, assignee, by mesne assignments. Bloom inhibited chocolate. 2,586,615, Feb. 19.

Cross, Walter M., Jr., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Pipeline transportation of soluble granular materials. 2,610,899, Sept. 16.

Cross, Walter M., Jr., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Pipeline transportation of solid materials and petroleum products. 2,610,900, Sept. 16.

Cross, Walter M., Jr., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Pipeline transportation of solid materials. 2,610,901, Sept. 16.

Crossland, Areloua T., San Fernando, Calif. Garment hanger. 2,619,269, Nov. 25.

Crossley, Charles N., Riverside, R. J. Gagan, Oak Park, H. R. Karlen, Chicago, Ill., and H. W. Peters, Milwaukee, Wis., assignors to Cory Corporation, Chicago, Ill. Beverage brewer. 2,589,783, Mar. 18.

Crossley, Frank S., Collingdale, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Cinnamyl quaternary ammonium compounds. 2,609,392, Sept. 2.

Crossley, Frank S., Collingdale, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Dodecyl, dimethyl, -cinnamyl-ammonium halides. 2,609,393, Sept. 2.

Crossley, Frank S., Collingdale, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Bis-quaternary ammonium salts. 2,623,902, Dec. 30.

Crossley, Richard C., Evanston, Ill., assignor to Electro Products Laboratories, Inc. Rectifier cooling arrangement. 2,599,748, June 10.

Crossley, Royal E., Fayetteville, assignor to Crouse-Hinds Company, Syracuse, N. Y. Actuating mechanism for reciprocating carriages. 2,613,541, Oct. 14.

Crossley, Royal E., Fayetteville, and H. M. Pattat, North Syracuse, assignors to Crouse-Hinds Company, Syracuse, N. Y. Ventilated light-responsive lamp-changing mechanism for lighting units. 2,590,513, Mar. 25.

Crossley, Royal E., Fayetteville, and H. M. Pattat, North Syracuse, assignors to Crouse-Hinds Company, Syracuse, N. Y. Rotating beacon having independently adjustable light units retractably mounted for servicing. 2,595,770, May 6.

Crossman, Fred: *See*—
Davis, Howell F., Sotham, and Crossman.

Crosson, Lawrence A.: *See*—
Frank, William R., and Crosson.

Croston, Edward L., Dash Point, assignor to American Manufacturing Company, Inc., Tacoma, Wash. Press loading mechanism. 2,593,012, Apr. 15.

Croston, Edward L., Dash Point, assignor to American Manufacturing Company, Inc., Tacoma, Wash. Press mechanism and feed means therefor. 2,597,923, May 27.

Crot, André, North Hollywood, Calif. Fruit press. 2,584,333, Feb. 5.

Crotty, Francis W., Elmwood Park, and E. M. Roschke, Broadview, Ill., assignors to Zenith Radio Corporation. Subscription type signaling system. 2,612,552, Sept. 30.

Crouch, Charles A.: *See*—
Thomas, Lilburn R., and Crouch.

Crouch, Howard, Arlington, Va. Card separator and support. 2,586,920, Feb. 26.

Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Mixing and coprecipitating a polysulfone resin latex with another latex. 2,593,414, Apr. 22.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Emulsion copolymerization of sulfur dioxide and unsaturated organic compounds with recovery of uncontaminated unreacted sulfur dioxide. 2,602,787, July 8.

Crouch, Willie W., and J. F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilization of unsaturated organic material-sulfur dioxide resins with elemental sulfur or inorganic sulfides. 2,599,544, June 10.

Crouch, Willie W., and J. F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilization of resins. 2,599,813, June 10.

Crouch, Willie W., T. F. Crosnoe, and R. T. Werkman, Bartlesville, Okla., assignors to Phillips Petroleum Company. Making tertiary alkyl trithiocarbonates. 2,600,737, June 17.

Crouch, Willie W., and L. A. Mitchell, Bartlesville, Okla., assignors to Phillips Petroleum Company. Coagulation of synthetic latices and recovery of emulsifying agents therefrom. 2,604,467, July 22.

Crouch, Willie W., and J. F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Resin of sulfur dioxide and an unsaturated organic compound which reacts to form a heteropolymeric resin. 2,607,752, Aug. 19.

Crouse-Hinds Company, assignee: *See*—
Crossley, Royal E.
Crossley, Royal E., and Pattat.
Lester, Ray F.
Parish, Willard E., and Lester.
Petree, Jay R.
Rock, Joseph, Jr.

Crouse, Richard H.: *See*—
Buquor, Adolph P., and Crouse.

Crow, William W., Bell Gardens, Calif. Vibration responsive safety cutoff valve. 2,615,460, Oct. 28.

Crow, William W., Bell Gardens, Calif. Automatic fire and earthquake responsive cutoff valve. 2,615,461, Oct. 28.

Crowder, James T., Dallas, Tex. Centrifugal governor having a series of radially shiftable, motion transmitting bell crank levers. 2,615,462, Oct. 28.

Crowder, William A., East Orange, N. J. Fishhook. 2,582,418, Jan. 15.

Crowe, Earle E., assignee: *See*—
Trainor, Robert J.

Crowe, Louis, Banta, and R. M. Worrel, Fresno, assignors to M. A. Morrill, Laton, Calif. Rotary side delivery rake. 2,602,280, July 8.

Crowell, Arnold B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Translating device for recording machines. 2,598,511, May 27.

Crowell, Arnold B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Interpreter card feed. 2,616,364, Nov. 4.

Crowell, Ernest M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making inner molds. 2,613,398, Oct. 14.

Crowell, Jan M.: *See*—
Woodman, Frank W., and Crowell.

Crowell, Joyce H., and H. E. Benson, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Catalytic conversion of carbon monoxide and hydrogen to hydrocarbons and oxygenated organic compounds. 2,617,816, Nov. 11.

Crowell, Oscar H., Russellville, Ala. Safety razor. 2,588,211, Mar. 4.

Crowhurst, James A., assignor to The De Havilland Aircraft Company Limited, Hatfield, England. Variable-pitch airscrew. 2,609,057, Sept. 2.

Crowley, Andrew Y., Jr., and F. C. Newton, Jr., Griffin, Ga. Material handling machine. 2,582,106, Jan. 8.

Crowley, Arnold H.: *See*—
Reed, Buckley R., and Crowley.

Crowley, Charles T., Baltimore, Md. Salt cellar having absorbent cartridge. 2,596,763, May 13.

Crowley, Cornelius J., assignor to The Seamless Rubber Company, New Haven, Conn. Making rubber gloves and like articles. 2,583,728, Jan. 29.

Crowley, Cornelius J., assignor to The Seamless Rubber Company, New Haven, Conn. Inflatable athletic ball and making. 2,623,747, Dec. 30.

Crowley, Duncan J.: *See*—
Caesar, Philip D., Waldo, and Crowley.

Crowley, Henry L., South Orange, and A. M. Hossenlopp, Maplewood, assignors to Henry L. Crowley & Company, Inc., West Orange, N. J. Apparatus for molding articles. 2,582,922, Jan. 15.

Crowley, Henry L., & Company, Inc., assignee: *See*—
Crowley, Henry L., and Hossenlopp.
Graham, Marion E., and Beidler.

Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Regeneration of a moving bed catalyst at a uniform burning rate. 2,592,121, Apr. 8.

Crown Apple Products, Inc., assignee: *See*—
Janicke, Joseph.

Crown Controls Company, Inc., assignee: *See*—
Will, Wilbert A.

Crown Cork Company Limited, The, assignee: *See*—
Beck, Norman.
Day, Carl L., and Pahl.

Crown Cork & Seal Company, Inc., assignee: *See*—
Dennis, Stanley W.
Stewart, Robert J., and Bell.
Vance, James B.

Crown Cork Specialty Corporation, assignee: *See*—
Hill, Donald W.

Crown Fastener Corporation, assignee: *See*—
Gries, Otto, and Morin.

Crown Zellerbach Corporation, assignee: *See*—
Charters, George W., and Michels.
Craig, Merle E.
Hearon, William M.
Hearon, William M., and Jones.
Hyde, James B.

Crownover, Joseph W., Hartsdale, and J. Schmidt, Ardsley, N. Y. Vernier measuring device. 2,585,631, Feb. 12.

Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Expansion insert. 2,596,952, May 13.

Crowther, Lawrence, Pudsey, England, assignor to H. Duesberg, Heusy-Verviers, Belgium. Taking-off of webs or fleeces from smooth rollers. 2,605,511, Aug. 5.

Croxall, Willard J.: *See*—
Boettner, Fred E., and Croxall.
Dawson, John W., and Croxall.
Lo, Chien-Pen S., and Croxall.
Melamed, Sidney, and Croxall.
Van Hook, John O., and Croxall.

Croxall, Willard J., Bryn Athyn, and S. Melamed, assignors to Rohm & Haas Company, Philadelphia, Pa. Quaternary ammonium compounds having a hydroxybutynyl substituent. 2,582,748, Jan. 15.

Croxall, Willard J., Bryn Athyn, Pa., and J. W. Dawson, Huntsville, Ala., assignors to Rohm & Haas Company, Philadelphia, Pa. 1,1-diphenyl-4-tert.-amino-2-butyne-1-ols. 2,584,429, Feb. 5.

Croxall, Willard J., Bryn Athyn, Pa., and J. W. Dawson, Huntsville, Ala., assignors to Rohm & Haas Company, Philadelphia, Pa. Hydroxypentachlorodimethoxymethanotetrahydroindane. 2,613,229, Oct. 7.

Croxall, Willard J., Bryn Athyn, and J. O. Van Hook, Roslyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of alkali metal vinylacetylides. 2,623,077, Dec. 23.

Cruce, Thomas M., and F. O. Bateman, Billings, Mont. Hair curler. 2,601,860, July 1.

Crucible Steel Company of America, assignee: *See*—
Ferm, John F.
Lowe, Wallace K.
Payson, Peter.
Preston, John E.

Cruickshank, Roy, West Branch, Mich. Rafter square. 2,588,909, Mar. 11.

Cruise, Alvis L., Marshfield, Mo. Protective cap mold. 2,581,837, Jan. 8.

Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control switch. 2,596,657, May 13.

Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Engine power control apparatus. 2,612,226, Sept. 30.

Crum, Stephen, and H. T. Sparrow, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid-flow control device and system. 2,611,542, Sept. 23.

Crumb, Neal S., Rockford, Ill. Artificial bait. 2,604,718, July 29.

Crumbaker, Marshall O.: *See*—
Davis, Louis F., Stansbury, and Crumbaker.

Crumley, Ernest W., Charleston, S. C. Angle head abrasive blast nozzle. 2,594,735, Apr. 29.

Crumley, Harold W., Johnson City, Tenn. Plunger type cam actuated switch. 2,592,660, Apr. 15.

Crummett, Alan: *See*—
Speakman, John B., and Crummett.

Crump, Elmo E.: *See*—
Foster, Harry R., and Crump.

Crump, John D., Ontario, Oreg. Cartridge loading tool. 2,600,488, June 17.

Crump, Lindell L., Kirkwood, and J. T. Finley, St. Louis, Mo. Mounting for electrical switches. 2,614,148, Oct. 14.

Crump, Walter J.: *See*—
Hoffmann, Anton R., and Crump.

Crumrine, Chester W., Irondequoit, and B. W. Jacobs, Pittsford, N. Y., said Crumrine assignor to said Jacobs. Multiple bulb electric lantern. 2,623,158, Dec. 23.

Cruse, George H. I.: *See*—
Grisenthwaite, Arthur T., and Cruse.

Cruse, Henry R., Gwynedd Valley, Pa. Traction device. 2,581,578, Jan. 8.

Cruser, Eric W., Lakehurst, N. J. Two-fold antenna. 2,622,197, Dec. 16.

Crutchley, Frederick, Leamington Spa, England, assignor to Borg-Warner Corporation, Chicago, Ill. Driven plate for friction clutches. 2,613,515, Oct. 14.

Cruttenden, Earl, assignee: *See*—
Hufnagel, John P.

Cruz, Rogelio G., Habana, Cuba. Stabilizer device for automobiles, trucks, and the like. 2,623,758, Dec. 30.

Cruzan, Harold, Beverly Hills, assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Pressure control valve. 2,601,745, July 1.

Cryder, James W., Denver, Colo. Smoker's pipe. 2,593,731, Apr. 22.

Cryderman, Warner L., Skead, Ontario, assignor to Shaft Machines Limited, Toronto, Ontario, Canada. Apparatus for use in shaft sinking. 2,606,679, Aug. 12.

Cryor, Robert E., Western Springs, and E. T. Johnson, La Grange, assignors to Union Asbestos & Rubber Company, Chicago, Ill. Method of and apparatus for forming pipe insulation. 2,620,513, Dec. 9.

Csencsics, Steve, Erie, Pa. Tapping machine. 2,608,699, Sept. 2.

Cubberley, Mitchell H., Belleville, N. J. Safety ski binding. 2,616,714, Nov. 4.

Cube Drawer Corporation, The, assignee: *See*—
Boyle, Robert S.

Cube Steak Machine Co., assignee: *See*—
Spang, William F.

Cubitt, Roger H., and R. G. Sell, London, England, assignors, by mesne assignments, to Westinghouse Air Brake Company. Alternating current rectifier of the dry surface contact type. 2,588,806, Mar. 11.

Cubitt, Rowland G., Great Bookham, England. Stove or furnace for heating water. 2,612,877, Oct. 7.

Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Cathode for magnetrons. 2,584,791, Feb. 5.

Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray wave generator. 2,597,571, May 20.

Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Magnetron generator. 2,599,237, June 3.

Cuccioli, Joseph, Brooklyn, N. Y. Article of jewelry. 2,601,433, June 24.

Cuchet, Roger, Nancy, France. Carrier handle for cameras. 2,588,705, Mar. 11.

Cuckler, David E., Monticello, Iowa. Portable power unit. 2,614,433, Oct. 21.

Cuckler, Gordon D., assignor of fifty per cent to E. L. Campbell, Oakland, Calif. Coin-operated typewriter. 2,604,969, July 29.

Cuckler, Lee E., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Means regulating reset accumulation. 2,621,315, Dec. 9.

Cuddeback, Nelson C., Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio. Converter attachment for suction cleaners. 2,601,696, July 1.

Cuddeback, Nelson C., Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction nozzle having nozzle area control and surface agitating means. 2,619,669, Dec. 2.

Cuddon, William G. G., Blenheim, Marlborough, New Zealand. Water-heating means. 2,598,111, May 27.

Cudini, Roger G.: *See*—
Patton, John W., and Cudini.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Berth. 2,585,632, Feb. 12.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Folding chair. 2,599,164, June 3.

Cuesta, Francisco G., San Sebastian, Spain. Pneumatic balloon tire. 2,608,230, Aug. 26.

Cuff, Fred, assignee: *See*—
Cuff, James.

Cuff, Jack, assignee: *See*—
Cuff, James.

Cuff, James, assignor of one-third to J. Cuff and one-third to F. Cuff, Mabelville, Ark. Minnow bucket. 2,601,738, July 1.

Cuff, Thomas, Saskatoon, Saskatchewan, Canada. Drill point gauge. 2,597,300, May 20.

Cuffman, J. Carrol, assignee: *See*—
Mattingly, Charles D.

Culbertson, Beatrice C.: *See*—
Ackerman, Harold B., Jr., and Culbertson.

Culbertson, Otto, assignee: *See*—
Hoyt, Karl R.

Culicetto, Peter J., West New Brighton, N. Y. Volume control apparatus. 2,615,999, Oct. 28.

Culkosky, Martin, Gary, Ind. Apparatus for measuring and adjusting the spring pressure on commutator brushes. 2,614,421, Oct. 21.

Cull, William, Utley, Keighley, England. Hydromechanical power transmission drive. 2,599,814, June 10.

Cullen, Charles C., Co. Inc., The, assignee: *See*—
Smith, Charles V.

Culligan Zeolite Company, assignee: *See*—
Klumb, George H.

Culling, Merritt A., Louisiana, Mo., assignor to the United States of America as represented by the Secretary of the Interior. Surfacing method and apparatus. 2,608,895, Sept. 2.

Cullman, Otto, assignor to Cullman Wheel Co., Chicago, Ill. Mounting for transmission gearing and guard. 2,613,544, Oct. 14.

Cullman Wheel Co., assignee: *See*—
Cullman, Otto.

Cullum, Douglas J. W., London, England. Baffle type muffler with sound absorbing material. 2,613,758, Oct. 14.

Culp, Lide C., El Dorado, Ark., assignor of one-half to H. J. Wilder, Tyler, Tex. Plug valve. 2,594,736, Apr. 29.

Culpepper, Frank M.: *See*—
Piperoux, Rene P., Hertz, and Culpepper.

Culpepper, Frank M., Newark, N. J., and L. W. Latta, Lynbrook, assignors to Celanese Corporation of America, New York, N. Y. Preparation of filamentary material. 2,605,502, Aug. 5.

Culver, Harry D., assignee: *See*—
Schwenzer, George A.

Culver, Martin J.: *See*—
Craig W E, and Culver.

Culver, Martin J., Philadelphia, Pa., and L. H. Bock, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of piperazine. 2,605,263, July 29.

Culver, Oren F., Rochester, N. Y. Flush valve. 2,583,999, Jan. 29.

Cummer, George W., Los Angeles, and D. H. Larsen, West Hollywood, Calif., assignors to National Lead Company, New York, N. Y. Aqueous well-drilling fluids. 2,604,447, July 22.

Cummer, Robert N.: *See*—
Nebesar, George C., and Cummer.

Cumming, James D., Havelock, Ontario, Canada. Snowshoe harness. 2,619,742, Dec. 2.

Cumming, James M.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.

Cumming, James S. D., Gumwood Farms, Hampton, Va. Aircraft. 2,599,435, June 3.

Cumming, William O., assignor of fifty per cent to L. D. Stephen, Cordele, Ga. Feed saving attachment. 2,592,012, Apr. 8.

Cummings, Charles H., assignee: *See*—
Loftus, Tobias J.
Loftus, Tobias J., and Cummings.

Cummings, James D., Houston, Tex. Pipe coating and wrapping machine. 2,583,819, Jan. 29.

Cummings, Louis, Weehawken, N. J. Collapsible cabinet. 2,583,931, Jan. 29.

Cummings, Percival W., Jr.: *See*—
Cresswell, Arthur, and Cummings.
Cummings, Robert E., Cranston, assignor to The Hadley Company, Incorporated, Providence, R. I. Magnetic necktie holder. 2,592,395, Apr. 8.
Cummings, Roy E., Arlington, Mass., assignor to American Can Company, New York, N. Y. Sheet extractor device. 2,593,415, Apr. 22.
Cummins-Chicago Corp., assignee: *See*—
Miller, Nicholas S.
Cummins, Claude A.: *See*—
Bennett, Wallis R., and Cummins.
Cummins, Clyde G., Sioux City, Iowa. Tire lug construction. 2,597,458, May 20.
Cummins Engine Company, Inc., assignee: *See*—
Knudsen, Hans L.
Reiners, Neville M.
Cummins, George A., Tulsa, Okla. Fish lure. 2,598,360, May 27.
Cummiskey, Charles E., Grosse Pointe, Mich. Adapter for stokes litters. 2,580,410, Jan. 1.
Cunder, Joseph, East Orange, and F. J. Licata, West Caldwell, assignors to Nopco Chemical Company, Harrison, N. J. Synthetic waxes. 2,608,493, Aug. 26.
Cunha, Manuel F.: *See*—
Taylor, Edward C., Holland, and Cunha.
Cunliffe, Percy W., J. L. Sharp and F. Ashworth, assignors to The British Cotton & Wool Dyers' Association Limited, Manchester, England. Treatment of wool. 2,599,977, June 10.
Cunningham, Charles W., assignee: *See*—
Bartoletti, Dante.
Cunningham, Earl C., Waco, Tex. Manually operated telemetric gun control system. 2,596,130, May 13.
Cunningham Engineering Company, assignee: *See*—
Cunningham, George B.
Cunningham, Frederick W., Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y. Numeral wheel aligning mechanism. 2,586,520, Feb. 19.
Cunningham, Gale C., Inglewood, and R. Weldon, Wilmington, Calif., assignors to North American Aviation, Inc. Package and packaging. 2,589,604, Mar. 18.
Cunningham, George B., Birmingham, Ala., assignor to Cunningham Engineering Company. Heating and ventilating apparatus. 2,616,356, Nov. 4.
Cunningham, George B., Birmingham, Ala., assignor to Cunningham Engineering Company. Space heating and ventilating apparatus. 2,619,953, Dec. 2.
Cunningham, George L., Cincinnati, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Concentrating milk. 2,602,745, July 8.
Cunningham, George L., Cincinnati, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Extracting and concentrating juices. 2,602,750, July 8.
Cunningham, Hugh R.: *See*—
Scanlan, Robert W., and Cunningham.
Cunningham, James, Son & Company, assignee: *See*—
De Mato, Samuel P.
Cunningham, James L., Kansas City, Mo. Flashlight having a reversible contact plate for establishing either series or series-parallel connections. 2,597,073, May 20.
Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Control panel for accounting machines. 2,594,737, Apr. 29.
Cunningham, Leonard J., Lincoln, Nebr. Testing apparatus. 2,582,011, Jan. 8.
Cunningham, Lewis L., Sherman Oaks, Calif., and A. L. Judson, assignors to Iron Fireman Manufacturing Company, Portland, Oreg. Oil burner safety control system. 2,581,636, Jan. 8.
Cunningham, M. E., Company, assignee: *See*—
Hauer, Leon C.
Cunningham, Marion M., Woonsocket, R. I., assignor to United States Rubber Company, New York, N. Y. Collapsible container. 2,612,924, Oct. 7.
Cunningham, Marion M., Woonsocket, R. I., assignor to United States Rubber Company, New York, N. Y. Making collapsible containers. 2,613,169, Oct. 7.
Cunningham, Marion M., Woonsocket, R. I., assignor to United States Rubber Company, New York, N. Y. Lap seam for coated cord fabric and making same. 2,615,487, Oct. 28.
Cunningham, Orin D.: *See*—
Polly, Orville L., and Cunningham.
Cunningham, Orin D., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Production and refining of organic acids. 2,610,197, Sept. 9.
Cunningham, Orville A., Maywood, Calif. Telephone light mounting. 2,610,262, Sept. 9.
Cunningham, Robert A., Newport, Ky., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiver squelching circuit. 2,602,855, July 8.
Cunningham, Robert W.: *See*—
Havens, Richard A., Orr, Pitts, and Cunningham.
Cunningham, William T.: *See*—
Gillies, John, and Cunningham.
Cupler, John A., II, Cumberland, Md. Machine tool. 2,603,986, July 22.
Cupler, John A., II, Cumberland, Md. Drilling machine. 2,607,244, Aug. 19.
Cupler, John A., II, Cumberland, Md. Manufacturing orificed members. 2,618,989, Nov. 25.
Cupp, Charles D.: *See*—
Koester, Norman C., and Cupp.
Cuq, Pierre, Firminy, France. Device for cold shaping hollow articles. 2,592,867, Apr. 15.
Curd, Francis H. S.: *See*—
Ainley, Arthur D., Birtwell, and Curd.
Ainley, Arthur D., and Curd.
Barton, Norman, Birtwell, and Curd.
Hepworth, Walter, and Curd.
Stacey, Gilbert J., Thompson, Vasey, and Curd.
Curd, Francis H. S., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of quaternary salts of pyrimidylaminoquinolines. 2,585,917, Feb. 19.
Curd, Muriel R., executrix: *See*—
Ainley, Arthur D., Birtwell, and Curd.
Barton, Norman, Birtwell, and Curd.
Hepworth, Walter, and Curd.
Stacey, Gilbert J., Thompson, Vasey, and Curd.
Cureton, William, Oak Park, Ill. Coupling for rotating shafts. 2,595,513, May 6.
Curioni, Aldo R., assignor to Sarioni Company, Inc., New York, N. Y. Method and apparatus for severing and segregating macaroni. 2,593,542, Apr. 22.
Curioni, Aldo R., assignor to Sarioni Company, Inc., New York, N. Y. Method and machine for severing and handling materials such as macaroni or spaghetti. 2,593,543, Apr. 22.
Curlator Corporation, assignee: *See*—
Coghill, James T.
Coghill, James T., and Hill.
Curle, George L., Minneapolis, Minn. Spaceband tool. 2,583,324, Jan. 22.
Curlee, Harvey P., Raleigh, N. C., assignor to Curlee Machinery Company, Inc. Transfer device. 2,611,467, Sept. 23.
Curlee Machinery Company, Inc., assignee: *See*—
Curlee, Harvey P.
Curlett, John: *See*—
Guzey, William, Jr., Curlett, and McKiney.
Curley, Thomas F., Atlantic City, N. J. Golf club. 2,592,013, Apr. 8.
Curran, Frank M., and H. C. Geen, Grand Rapids, Mich., and J. D. Quist, deceased, Grand Rapids, Mich., by F. M. Curran and H. C. Geen, Grand Rapids, Mich., assignees. Applying edge veneers to the edge of panels. Re. 23,572, Nov. 11.
Curran, Joseph F., Neptune, N. J., assignor to the United States of America as represented by the Secretary of the Army. Automatic selector clutch assembly for search receivers. 2,590,844, Apr. 1.
Curren, Thomas F., Altadena, assignor to Pacific Coin Lock Co., Los Angeles, Calif. Coin-controlled lock. 2,603,334, July 15.
Currence, John L.: *See*—
Currence, Rufus C. and J. L.
Currence, Rufus C., Gastonia, and J. L. Currence, Belmont, N. C. Spindle bolster. 2,620,240, Dec. 2.
Current, George C., Dumas, Tex. Pneumatic sheet metal hammer. 2,605,808, Aug. 5.
Current, Ira B., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Obtaining cold sepia tones. 2,607,686, Aug. 19.
Currie, Chester C., assignor to Dow Corning Corporation, Midland, Mich. Release agent. 2,586,211, Feb. 19.
Currie, Chester C., and M. C. Hommel, assignors to Dow Corning Corporation, Midland, Mich. Antifoam emulsion. 2,595,928, May 6.
Currie, Frank L.: *See*—
Ridings, Garvice H., Hailden, and Currie.
Currie, Grover C., Charlotte, N. C., B. D. Dana, Brooklyn, N. Y., and S. R. Arner, assignors to Dacam Corporation, Charoltte, N. C. Placing bottles in open bottomed cartons. 2,603,924, July 22.
Currie, Hugh W., Skokie, assignor to Currie Manufacturing Company, Chicago, Ill. Candy cleaning machine. 2,590,381, Mar. 25.
Currie Manufacturing Company, assignee: *See*—
Currie, Hugh W.
Currie, Walter J., assignee: *See*—
Imhof, Charles.
Currier, Arthur L., New Ipswich, N. H., assignor to Independent Lock Company, Fitchburg, Mass. Machine for operating on blanks. 2,582,012, Jan. 8.
Currier, Clifford E., Gamboa, C. Z. Pinless skirt hanger. 2,608,324, Aug. 26.
Currivan, John F., Dayton, Ohio, assignor, by mesne assignments, to Embart Manufacturing Company. Carton loading device. 2,605,946, Aug. 5.
Currivan, John F., Dayton, Ohio. Integral carton for protection of fragile articles. 2,611,529, Sept. 23.
Curry, Alfred H.: *See*—
Bates, William F., Gregory, and Curry.
Curry, Harold E., Seattle, Wash., and H. A. Miller, Bay Shore, N. Y. Medicament applicator. 2,582,529, Jan. 15.
Curry, Herman H., United States Coast Guard. Combination propeller and diffuser inlet assembly. 2,620,122, Dec. 2.

Curry, Horace O., Hialeah, Fla. Ball valve for flush tanks. 2,602,933, July 15.
Curry, Lynn G., assignor to Curry Manufacturing Co., Inc., Tulare, Calif. Side delivery rake. 2,605,599, Aug. 5.
Curry, Manfred, Brockton, Mass. Apparatus for determining the concentration of a chemically active gas in an atmosphere. 2,602,729, July 8.
Curry Manufacturing Co., Inc., assignee: *See*—
Curry, Lynn G.
Curry, Robert L.: *See*—
Murnane, John A., and Curry.
Curry, Robert S., Jr., Baldwin, N. Y., assignor to The Sperry Corporation. Signal transformer. 2,590,845, Apr. 1.
Curtin, Gerald F., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyhydric alcohol process. 2,617,835, Nov. 11.
Curtis, Alfred A., II, Glendale, Calif. Garment hanging fixture. 2,590,297, Mar. 25.
Curtis, Arthur J., Walla Walla, Wash. Automatic hydraulic duplicating machine. 2,596,889, May 13.
Curtis Automotive Devices, Inc., assignee: *See*—
Curtis, Russell R.
Curtis, Cecil C., Washington, D. C. Adjustable means for hospital tables. 2,596,986, May 20.
Curtis, Cecil C., Washington, D. C. Sphygmomanometer. 2,612,156, Sept. 30.
Curtis, Charles F., II: *See*—
Baker, Merle W., Bell, Curtis, and Patton.
Curtis Companies Incorporated, assignee: *See*—
Baker, Merle W., Bell, Curtis, and Patton.
Patton, Edward A., and Bell.
Curtis Company, assignee: *See*—
Stedman, James A.
Curtis, David, New York, N. Y. Amino salts of boric acid-aliphatic polyhydroxy carboxylic acid condensation product. 2,582,191, Jan. 8.
Curtis Development & Mfg. Co., assignee: *See*—
Phelps, Herbert S., Curtis, and Maurer.
Curtis, Earl M., Pasadena, Calif. Socket wrench. 2,601,800, July 1.
Curtis, George W., Milwaukee, Wis. Tractor drive and control mechanism. 2,595,229, May 6.
Curtis, George W., Wauwatosa, Wis. Tractor having V-belt pulley control. 2,582,966, Jan. 22.
Curtis, George W., Wauwatosa, Wis. Self-cleaning endless track. 2,592,541, Apr. 15.
Curtis, George W., Wauwatosa, Wis. Endless track. 2,592,542, Apr. 15.
Curtis, Grover C., Bryan, Tex. Footrest and auxiliary throttle pedal for vehicles. 2,618,171, Nov. 18.
Curtis, Guy A., Cleveland Heights, Ohio, assignor to United States Motors Corporation, Oshkosh, Wis. Garage door operator. 2,589,478, Mar. 18.
Curtis, Guy A., Cleveland Heights, Ohio, assignor to United States Motors Corporation, Oshkosh, Wis. Door operator. 2,589,479, Mar. 18.
Curtis, Guy A., Cleveland Heights, Ohio, assignor to United States Motors Corporation, Oshkosh, Wis. Automatic door operator. 2,589,480, Mar. 18.
Curtis, Henry A.: *See*—
Thomson, Thomas B., and Curtis.
Curtis, Herbert C.: *See*—
Phelps, Herbert S., Curtis, and Maurer.
Curtis, Horace L., Gilford, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting mechanism. 2,596,535, May 13.
Curtis, J., Manufacturing Co., assignee: *See*—
Holmes, John C.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Rock drill bit. 2,597,301, May 20.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Drilling apparatus. 2,598,112, May 27.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rock drill. 2,608,180, Aug. 26.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Rock drill. 2,613,647, Oct. 14.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Rock drilling apparatus. 2,614,807, Oct. 21.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Rock drill. 2,595,128, Apr. 29.
Curtis, John C., and G. B. Thompson, Claremont, N. H., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Power-operated, gear-controlled torque wrench. 2,606,472, Aug. 12.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Wear bushing structure for percussive tools. 2,608,181, Aug. 26.
Curtis, John C., Claremont, N. H., and E. E. Miller, El Paso, Tex., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Rock drilling apparatus. 2,614,808, Oct. 21.
Curtis, John R., Nashotah, Wis. Making shuttle blocks. 2,586,308, Feb. 19.
Curtis & Marble Machine Company, assignee: *See*—
Clark, Elmer F., and Remington.
Curtis, Myron S., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Drive mechanism for shedding disks. 2,606,575, Aug. 12.
Curtis, Myron S., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,616,159, Nov. 4.
Curtis 1000, Incorporated, assignee: *See*—
Whitman, Harlan M.
Curtis, Philip C., Scottsdale, Ariz. Knockdown table. 2,615,770, Oct. 28.
Curtis, Philip C., Scottsdale, Ariz. Knockdown table. 2,615,771, Oct. 28.
Curtis Publishing Company, The, assignee: *See*—
Burgess, John.
Curtis, Robert B., Bethlehem, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk circuit. 2,590,945, Apr. 1.
Curtis, Russell H.: *See*—
Bauer, Jordan V., and Curtis.
Curtis, Russell R., assignor, by mesne assignments, to Curtis Automotive Devices, Inc., Dayton, Ohio. Drain valve. 2,584,188, Feb. 5.
Curtis, Russell R., assignor to Curtis Automotive Devices, Inc., Dayton, Ohio. Filter. 2,605,902, Aug. 5.
Curtis, Russell R., assignor to Curtis Automotive Devices, Inc., Dayton, Ohio. Valve. 2,621,677, Dec. 16.
Curtis, Thomas H., Red Bank, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Dipping conveyer. 2,605,882, Aug. 5.
Curtiss, George E., Jr., assignor to The Stanley Works, New Britain, Conn. Door pull. 2,616,122, Nov. 4.
Curtiss, Leon E.: *See*—
Krasnow, Shelley, and Curtiss.
Curtiss-Wright Corporation, assignee: *See*—
Baker, Stanley W., and Rice.
Berggren, Lloyd E., and Kurtis.
Berggren, Lloyd E., and Miller.
Boltinghouse, Joseph C.
Bowers, Frank, Joseph, and Holmes.
Browne, Kenneth A.
Bynum, George T., Olson, and Wiegand.
Chillson, Charles W., and Brigham.
Chillson, Charles W., and Schoenbaum.
Chilton, Allan.
Chilton, Roland.
Cosgriff, Robert L., and Walls.
Cushman, Maurice E.
Davis, Charles S., Jr., Humphries, and Ricard.
Dean, George A.
Donovan, Allen F.
Donovan, Allen F., and Hirsch.
Eaton, Bruce G., and Peters.
Edelstein, Murray I.
Enos, Louis H.
Galliers, Marshall W.
Gray, Russell D., Jr., and Paecht.
Holben, Martin M., and Weeks.
Keller, George H.
Kennedy, James.
Knight, James E.
Le Compte, Frank M.
Liedholm, Carl A.
Loos, Robert A., Mezger, and Modrovsky.
Miller, Sheldon M.
Musikant, Solomon.
Neal, Adrain D., Peet and Dell.
Peaslee, Robert L.
Phillips, Joseph A.
Shelley, Edwin F.
Smith, Richard C.
Sollinger, Ferdinand P.
Spielman, Warren L.
Steele, Frederick I.
Stulen, Walter H., Klein, and Tichenor.
Thompson, Richard A.
Vaughn, Stanley I., and Tucker.
Weeks, Walter L.
Wiegand, Francis J., Stark, and Rowe.
Williams, Sidney B.
Young, Richard H.
Zimmerman, Charles F., and Kibele.
Curtz, George C., assignor to G. E. Curtz, Pittsburgh, Pa. Clothesline support. 2,594,738, Apr. 29.
Curtz, George E., assignee: *See*—
Curtz, George C.
Curzon, Thomas, assignor to C. A. V. Limited, London, England. Electric fixture for elongated tubular lamps. 2,595,771, May 6.
Curzon, Thomas, assignor to C. A. V. Limited, London, England. Actuating gas-discharge lamps. 2,613,337, Oct. 7.
Cushing, George B., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter having finger contacts. 2,600,211, June 10.
Cushing, Russell E., Wyandotte, Mich., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Producing inorganic compounds of increased oxidation state. 2,604,441, July 22.
Cushman, Cecil A., Redlands, Calif. Pneumatic helmet. 2,618,780, Nov. 25.
Cushman, Charles S., assignors to C. S. and P. G. Cushman and V. Tamborini, copartners doing business under the name of The Cushman Company, Barre, Vt. Stone polishing machine. 2,618,912, Nov. 25.
Cushman Chuck Company, The, assignee: *See*—
Sloan, Harry E.

Cushman, Clifford E., Burbank, assignor to Sturgess, Inc., Glendale, Calif. Control line compensating apparatus. 2,581,080, Jan. 1.

Cushman, Clifford E., Burbank, assignor to Sturgess, Inc., Glendale, Calif. Cable tension indicator. 2,592,868, Apr. 15.

Cushman Company, The, assignee: *See*—
Cushman, Charles S.

Cushman, James S., assignee: *See*—
Dickey, Charles N.
Freedman, Benjamin H.
Freedman, Benjamin H., and Heggedal.
Heggedal, Emil J.

Cushman, Maurice E., Verona, N. J., assignor to Curtiss-Wright Corporation. Rotatable seal for cowlings. 2,612,227, Sept. 30.

Cushman, Paul G., assignee: *See*—
Cushman, Charles S.

Cushman, Walton W., Webb City, Mo. Drum-handling attachment for industrial trucks. 2,581,364, Jan. 8.

Cushman, Walton W., Webb City, Mo. Speed control mechanism. 2,582,236, Jan. 15.

Cushman, Walton W., Webb City, Mo. Air-cooled exhaust muffler with frusto-conical body. 2,586,788, Feb. 26.

Cushman, Walton W., Webb City, Mo. Water injector and method. 2,586,789, Feb. 26.

Cushman, Walton W., Webb City, Mo. Reversible conveyer. 2,594,295, Apr. 29.

Cushman, Walton W., Webb City, Mo. Liquid injector for internal-combustion engines. 2,595,379, May 6.

Cushman, Walton W., Webb City, Mo. Panel fastener. 2,603,318, July 15.

Cushman, Walton W., Webb City, Mo. Metal pallet. 2,615,661, Oct. 28.

Cusic, John W.: *See*—
Robinson, Richard A., and Cusic.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Dihexyl alanine dialkylamides. 2,580,411, Jan. 1.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Amino alkanoyl phenothiazine derivatives and the production thereof. 2,591,679, Apr. 8.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. 8-haloxanthine salts of N-dialkylaminoalkyl-N-arylmethyl-α-aminopyridines. 2,602,793, July 8.

Cusic, John W., Skokie, Ill., assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Pyridyl carbinol ethers and preparing same. 2,606,193, Aug. 5.

Cusic, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Esters of acridan-10-carboxylic acid and producing the same. 2,623,046, Dec. 23.

Cusic, John W., Skokie, and A. L. Raymond, Northfield, assignors to G. D. Searle & Co., Skokie, Ill. Trihaloethyl esters of dibasic aliphatic acids and the production thereof. 2,584,846, Feb. 5.

Custer, Carl M., Cincinnati, Ohio. Quoit. 2,584,260, Feb. 5.

Custer, Harry W., Center Line, Mich., assignor to Ansul Chemical Company, Marinette, Wis. Fluid pressure actuated tube compressor. 2,588,212, Mar. 4.

Custer, Willard R., Hagerstown, Md. High lift wing channel with movable wing. 2,589,994, Mar. 18.

Custer, Willard R., Hagerstown, Md. Jet-propelled aircraft with fuselage lifting channels. 2,611,555, Sept. 23.

Custer, Willard R., Hagerstown, Md. Jet-propelled aircraft with lift channels. 2,611,556, Sept. 23.

Custis, Ines M., assignee: *See*—
Custis, James B. G., and Post.

Custis, James B. G., deceased, and E. R. Post; American Security and Trust Company, executor of said J. B. G. Custis, assignor to I. M. Custis, Washington, D. C. Hypodermic needle honing device. 2,588,089, Mar. 4.

Cutchin, Theodore R., Roanoke, and W. H. Friedrich, assignors to The Magnaxox Company, Fort Wayne, Ind. Ornamental grillwork. 2,622,676, Dec. 23.

Cutforth, Howard G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Low water-loss cement slurry and cementing a well therewith. 2,598,675, June 3.

Cuthbert, William L., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Document feeding device. 2,614,837, Oct. 21.

Cuthbertson, Robert E., Denver, Colo., assignor to Climax Molybdenum Company, New York, N. Y. Froth flotation of monazite from heavy gravity minerals. 2,610,738, Sept. 16.

Cuthbertson, Willis E., Plymouth, Ind. Adjustably secured tray for motor vehicles. 2,584,557, Feb. 5.

Cuthill, Annandale, and J. C. McBroom, Los Angeles, Calif.; said McBroom assignor to said Cuthill. Hydraulic control for windows and the like. 2,607,195, Aug. 19.

Cutlan, Roland S., Robbinsdale, and E. J. Glenn, Minneapolis, Minn. Lawn mower power unit. 2,623,603, Dec. 30.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative frequency shifting and pulse shaping circuit. 2,593,113, Apr. 15.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Differential quantization of communication signals. 2,605,361, July 29.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex converter. 2,612,633, Sept. 30.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency changing regenerative pulse repeater. 2,617,885, Nov. 11.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative pulse generator. 2,617,930, Nov. 11.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency changing pulse repeater employing phase modulation. 2,619,543, Nov. 25.

Cutler, Cassius C., Gillette, and W. E. Mathews, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission amplifier. 2,608,623, Aug. 26.

Cutler, Clarence G., Toronto, Ontario, Canada, assignor to Sun Chemical Corporation, New York, N. Y. Printing ink. 2,621,130, Dec. 9.

Cutler-Hammer, Inc., assignee: *See*—
Audler, Mark.
Audler, Mark, and Seeger.
Bacon, Warren, and Hansen.
Bennett, Edward.
Brown, William E.
Charbonneau, Allan P.
Charbonneau, Allan P., and Russell.
Elliot, William H.
Evans, Clarence T.
Hansen, Kenneth R., and Jochem.
Hodgson, Howard E.
Hunter, Richard B., Pell, and Schmitz.
Jones, Jesse E., and Reeves.
Koenig, Martin F.
Konle, Robert L., and Kuhn.
Kuhn, Clarence W.
Lommen, Robert M.
Perrine, Robert O.
Randall, Cyril E.
Schmidt, Edwin X.
Schmidt, Edwin X., and Warner.
Schmitz, Norbert L.

Cutler, Phil, Brooklyn, and K. F. Ross, Bronx, N. Y. Electronic oscillator. 2,593,992, Apr. 22.

Cutler, Royal A.: *See*—
Surrey, Alexander R., and Cutler.

Cutler, Wallace M., Gloucester, H. B. Greenough, Beverly, and E. S. Kant, Melrose, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Nail distributor. 2,604,624, July 29.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture De Machines Du Haut-Rhin, Mulhouse-Bourtzwiller, France. Automatic lathe with revolving turret. 2,605,538, Aug. 5.

Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture De Machines Du Haut-Rhin, Haut-Rhin, France. Stock stop for automatic lathes. 2,605,539, Aug. 5.

Cutter Corporation, assignee: *See*—
Davis, Roy P. M., and Shaeffer.
Mansfield, Warren M.

Cutter-Cravat, Inc., assignee: *See*—
Hirsch, Julius A.

Cutter, Fred A.: *See*—
Butler, William F., Stafford, and Cutter.

Cutter, James W., Larchmont, N. Y. Tape dispensing mechanism. 2,606,682, Aug. 12.

Cutter Laboratories, assignee: *See*—
Beniams, Herman N.
Butler, William F.
Butler, William F., Stafford, and Cutter.
Davis, Roy P. M.
Mansfield, Warren M.
Washburn, Dan D., and Elder.

Cutting, Richard H., Cleveland Heights, Ohio. Plaster base. 2,590,846, Apr. 1.

Cutting Room Appliances Corporation, assignee: *See*—
Gilbert, Herman W.

Cuttino, William H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,605,456, July 29.

Cuttino, William H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control system. 2,611,009, Sept. 16.

Cuttino, William H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic switching system. 2,615,962, Oct. 28.

Cuttino, William H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Forced-air ventilating system for electrical devices. 2,619,521, Nov. 25.

Cutts, Dorothea L., assignee: *See*—
Cutts, Richard M.

Cutts, Richard M., assignor of one-half to D. L. Cutts, The Plains, Va. Muzzle device for shotguns. 2,602,255, July 8.

Cuyahoga Industries, assignee: *See*—
Perkon, John A.

Cyclomat Dominion Corporation Limited, assignee: *See*—
Bittner, Adam.

Cycloptic Anstalt für Optik und Mechanik, Vaduz, assignee: *See*—
Tiller, Hans, and Schulz.

Cymara, Hermann K., Williseyville, N. Y. Machine for gathering, turning, and windrowing hay or the like. 2,609,651, Sept. 9.

Cymmer, Thomas: *See*—
Van Dusen, Frederick J., and Cymmer.

Cynero Machine Company, assignee: *See*—
O'Grady, Joseph V.

Cypher, Hugh F., Borger, Tex. Running a liner in flowing gas wells. 2,598,512, May 27.

Cyphers, Elmer B.: *See*—
Bartlett, Jeffrey H., Rudel, and Cyphers.
Waddey, Walter E., and Cyphers.

Cyphers, Elmer B., Cranford, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Extreme pressure lubricant. 2,623,018, Dec. 23.

Cypress Novelty Corporation, assignee: *See*—
Krieg, Anthony W., and Mayer.

Cyr, Howard M., C. W. Siller, and T. F. Steele, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Fluid bed operation. 2,621,118, Dec. 9.

Czarnecki, John D., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Plasticized polyamides and preparation. 2,597,855, May 27.

Czarnecki, Sigmund A., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine blade grinding machine. 2,587,603, Mar. 4.

Czarnecki, Stefan, assignee: *See*—
Brzozowski, Witold.

Czechoslovak Metal & Engineering Works, National Corporation, assignee: *See*—
Houšt, František.

Czeropski, Walter P., Jr., Chicago, and R. O. Gray, Broadview, Ill., assignors to Zenith Radio Corporation. Television receiver image-size control switch. 2,586,521, Feb. 19.

Czerwin, Edward P., Niagara Falls, and L. D. Martin, Grand Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of polyvinyl alcohol with boric acid. 2,607,765, Aug. 19.

D. & S. Engineering Company, assignee: *See*—
Upchurch, Frank J.

Daalmeyer, Robert A., Hoboken, N. J. Automatic tire tube air valve. 2,587,973, Mar. 4.

Dabbs, Robert, and J. M. Burwell, Pittsburgh, Pa. Traveler's back and headrest. 2,605,818, Aug. 5.

Dacam Corporation, assignee: *See*—
Currie, Grover C., and Dans, and Arner.

Dach, Max, Flushing, N. Y. Drainage valve. 2,598,361, May 27.

Dachkevitch, Vsevolod, Neuilly, France. Automatic cable gripper for suspended vehicles. 2,591,680, Apr. 8.

Da Costa, Bartholomew, Sunnyside, N. Y. Recapturing useful fuel from the exhaust gases of internal-combustion engines. 2,584,674, Feb. 5.

Da Costa, Harry, Snaresbrook, assignor to The Plessey Company Limited, Ilford, England. Intermittent drive mechanism. 2,584,558, Feb. 5.

Da Costa, Harry, Snaresbrook, assignor to The Plessey Company Limited, Ilford, England. Change-speed friction drive for record changers. 2,588,807, Mar. 11.

Da Costa, Robert G., New Delhi, India. Intermediate buffer for tender locomotives. 2,623,646, Dec. 30.

Dadisman, John W.: *See*—
Merritt, Mortimer M., and Dadisman.

Daebelliehn, Harold E., Moline, Ill. Fuel tank for captive model airplanes. 2,583,932, Jan. 29.

Daetwiler, Irven, Hot Springs, Ark. Well packer. 2,582,530, Jan. 15.

Da Fano, Ettore, Raritan, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Diphenyl and phenyl orthosilicates. 2,584,334, Feb. 5.

Dafforn, Kenneth B., and R. I. Huffman, Dover, Ohio, assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Steam iron. 2,612,709, Oct. 7.

Dagenais, Joseph H., Laval des Rapides, Quebec, Canada. Wood-splitting machine. 2,580,735, Jan. 1.

Daggett, Frederick K., assignor to The Flexible Tubing Corporation, Branford, Conn. Circular clamp. 2,617,164, Nov. 11.

Dague, Ralph R., Tuscola, Ill. Portable floor hoist. 2,610,744, Sept. 16.

Dahl, Einar S., assignor to The Massey-Harris Company, Racine, Wis. Automatic heat control for engine manifolds. 2,597,977, May 27.

Dahl, George W., Barrington, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Automatically operated valve with continuously connected handwheel. 2,584,847, Feb. 5.

Dahl, George W., Barrington, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Shaft seal. 2,613,962, Oct. 14.

Dahl, Harry, and S. T. Moreland, Indianapolis, Ind., assignors, by mesne assignments, to John E. Fast & Co., Chicago, Ill. Metal foil perforator for capacitor winding machines. 2,593,993, Apr. 22.

Dahl, Henry: *See*—
Wade, Doan, and Dahl.

Dahl, Hugo, and A. Severson, Milwaukee, Wis. Vehicle jack. 2,621,021, Dec. 9.

Dahl, John F., Palo Alto, Calif. Tool for removing overflow tube threads in toilets. 2,591,409, Apr. 1.

Dahlbäck, Gustaf: *See*—
Hammar, Victor, and Dahlbäck.

Dahlbäck, Hedvig I., administratrix: *See*—
Hammar, Victor, and Dahlbäck.

Dahlberg, Carl, assignor of one-half to M. I. Friedman, Duluth, Minn. Garment hanger track offset. 2,599,614, June 10.

Dahlberg, Carl, assignor of one-half to M. I. Friedman, Duluth, Minn. Track supporting means. 2,599,615, June 10.

Dahlberg, Carl, assignor of one-half to M. I. Friedman, Duluth, Minn. Garment handling means. 2,620,917, Dec. 9.

Dahlberg, Ernest H., Erie, Pa. Fluid motor and valve assembly. 2,601,848, July 1.

Dahlbom, Johan R., and T. K. I. B. Ekstrand, assignors to Aktiebolaget Astra, Apotekarnes Kemiska Fabriker, Sodertalje, Sweden. 10-pyrrolidinoacyl-phenothiazines and salts thereof. 2,615,886, Oct. 28.

Dahlgren, Etha A., Washington, D. C. Filing aid. 2,615,376, Oct. 28.

Dahlgren, John V. S., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield cleaner drive. 2,600,622, June 17.

Dahlgren, John V. S., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,607,065, Aug. 19.

Dahlgren, John V. S., assignor to Stewart-Warner Corporation, Chicago, Ill. Sealing gland. 2,612,393, Sept. 30.

Dahlin, Fred A., Chicago, Ill. Ventilator. 2,616,354, Nov. 4.

Dahlinghaus, Frank, Minster, Ohio. Door and gate latch. 2,581,003, Jan. 1.

Dahlman, Eben D., Grandy, Minn. Machine for handling potato vines. 2,590,758, Mar. 25.

Dahlman, Eben D., Grandly, Minn. Rod handling device. 2,593,732, Apr. 22.

Dahlman, Richard C.: *See*—
Gordon, Carroll G., and Dahlman.

Dahlman, Verner, New Lennox, Ill., assignor to American Air Filter Company, Inc., Louisville, Ky. Continuous imbricated panel type filter. 2,586,616, Feb. 19.

Dahlquist, Carl A.: *See*—
Hendricks, James O., and Dahlquist.

Dahlstrom, John A.: *See*—
Resek, Marc, Dahlstrom, and Bolz.

Dahlstrom, John A., Bay Village, assignor to Perfection Stove Company, Cleveland, Ohio. Hot-air furnace, particularly of the forced-draft type. 2,592,396, Apr. 8.

Dahlstrom, Frank P., Woodbridge, Conn. Apparatus for rolling strip material. 2,601,792, July 1.

Dahly, Hal W., Chicago, Ill. Parallel thrust drive. 2,584,335, Feb. 5.

Dahly, Harold W.: *See*—
Spinner, Isidore, and Dahly.

Dahm, Cornelius G., and D. H. Clewell, Dallas, Tex., assignors, by mesne assignments, to Socony Vacuum Oil Company, Incorporated, New York, N. Y. Barometer preheater. 2,617,305, Nov. 11.

Dahmen, Edouard A. M. F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of higher alkyl esters of inorganic acids. 2,623,894, Dec. 30.

Dahowski, Anthony, assignor of one-half to M. Rispler, Greenfield, Mass. Electric wallpaper cutting tool. 2,605,544, Aug. 5.

Daiger, George P., Canton, assignor to The Hoover Company, North Canton, Ohio. Combination vaporizer and blower. 2,587,974, Mar. 4.

Daiger, George P., Canton, assignor to The Hoover Company, North Canton, Ohio. Electrostatic dielectric heating apparatus. 2,608,638, Aug. 26.

Daigle-Gaboury Inc., assignee: *See*—
Daigle, Leo T.

Daigle, Leo T., assignor to Daigle-Gaboury Inc., Detroit, Mich. Trolley for transportation of a load along a beam. 2,604,974, July 29.

Daignas, Michel, Nice, France. Mechanical pargeting apparatus. 2,583,767, Jan. 29.

Dail, Owenby J., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,598,037, May 27.

Dailey, Hampton J., Bloomfield, and J. J. Borzin, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic pulse-power supply. 2,587,290, Feb. 26.

Dailey, Hampton J., Verona, and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electrict Corporation, East Pittsburgh, Pa. Electron discharge device for high frequency. 2,617,056, Nov. 4.

Dailey, Merritt H.: *See*—
McCabe, Hilton H., Connell, Dailey, and Richards

Dalley, Owen R., Rockford, Ill. Jet toy. 2,611,994, Sept. 30.

Daily, Bernard, Goose Creek, Tex., assignor to Shell Development Company, San Francisco, Calif. Tank shut-off valve. 2,582,819, Jan. 15.

Daily, Edward H., Michigan City, Ind., and W. E. Schmidt, Chicago, Ill. Automatic rotating descaler for wheel blocks or the like. 2,614,316, Oct. 21.

Daily, James M., Wilmette, assignor to American Ozone Company, Chicago, Ill. Method and apparatus for liquid treatment. 2,603,597, July 15.

Daily Mirror Newspapers Limited, assignee: *See*—
Gibson, William.
Gibson, William, and Bull.

Daily, Sherwood, Downers Grove, R. M. Lathrop, Oak Park, and O. E. Hintz, Chicago, Ill., assignors to International Harvester Company. Pipe line milking system. 2,606,524, Aug. 12.

Daimler-Benz Aktiengesellschaft, assignee: *See*—
Nallinger, Friedrich K. H.
Sommer, Erwin.

Dain, Gordon T., Buckinghamshire, assignor to British Telecommunications Research Limited, Taplow, Buckinghamshire, England. Telegraph distributor. 2,612,563, Sept. 30

Dain, Gordon T., assignor to British Telecommunications Research Limited, Taplow, Buckinghamshire, England. Telegraph system. 2,618,699, Nov. 18.

Daines, Leland A., Edmonds, Wash. Creased sheet metal panel and forming and applying such panels to frame structures. 2,594,131, Apr. 22.

Daines, William M., Logan, Utah. Display rack for cloth. 2,609,999, Sept. 9.

D'Alro, Salvatore, Bronx, N. Y. Garment hanger with trouser support. 2,620,101, Dec. 2.

Dairy Specialties, Inc., assignee: *See*—
Jones, John P.

Daisy Manufacturing Company, assignee: *See*—
Lefever, Charles F.
Wells, William S.
Wesley, Robert O.
Wesley, Robert O., and Sundberg.

Dakin, Guy L., Dansville, Mich. Propeller blade. 2,582,107, Jan. 8.

Dakin, Thomas W., Pittsburgh, C. N. Works, Edgewood, Pa., and F. W. Boggs, Woodstock, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating with cavity resonators. 2,608,637, Aug. 26.

Dakis, Hercules D., San Diego, Calif. Fish canning process and composition. 2,602,030, July 1.

Daland, Elliot: *See*—
Vanderlip, Edward G., and Daland.

Daland, Elliot, Wallingford, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Aircraft rotor blade pitch control linkage. 2,595,642, May 6.

Daland, Elliot, Wallingford, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Rotary wing blade. 2,609,883, Sept. 9.

D'Albora, John, New York, N. Y. Electric heating pad support. 2,608,636, Aug. 26.

Dal Borgo, Antonio, Sassulo, Italy. Manufacturing lamelliform earthenware. 2,600,212, June 10.

Dale, Alan E.: *See*—
Stanworth, John E., and Dale.

Dale, Allan L., Salt Lake City, and J. B. Furnace, Draper, Utah; said Dale assignor to said Furnace. Automatic poultry feeder. 2,598,977, June 3.

Dale, Colin B., Barrington, assignor to Webster-Chicago Corporation, Chicago, Ill. Wire recorder. 2,596,536, May 13.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph. 2,591,515, Apr. 1.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Wire recorder. 2,614,845, Oct. 21.

Dale, Halvard, Ardalstangen, assignor to A/S Ardal Verk, Oslo, Norway. Utilization of the gas washing lye from aluminum electrolysis in cryolite production. 2,597,302, May 20.

Dale Hydraulic Controls, Inc., assignee: *See*—
Dale, Joseph S.

Dale, Joseph S., Rockford, Ill. Governor-controlled compressor and the like. 2,600,855, June 17.

Dale, Joseph S., assignor to Dale Hydraulic Controls, Inc., Rockford, Ill. Load-limit apparatus for hydraulic engine governors. 2,610,050, Sept. 9.

Dale, Julian K., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Crystalline form of riboflavin. 2,603,633, July 15.

Dale, Paul D.: *See*—
Smith, Robert F., Jr., and Dale.

Dale, Paul D., assignor to Eastman Kodak Company, Rochester, N. Y. Drum-type glossy print drier. 2,588,966, Mar. 11.

Dale Service Corp., assignee: *See*—
Woodward, Stanley W.

Dale, Vernon F., and G. Reed, Onalaska, assignors to The Bump Pump Co., La Crosse, Wis. Rotary seal. 2,590,759, Mar. 25.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Acrylonitrile itaconic monoester copolymers. 2,583,325, Jan. 22.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Polymeric compositions from acrylonitrile, itaconic monoesters, and conjugated dienes. 2,583,326, Jan. 22.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Copolymer of acrylonitrile and an ethylenic dicarboxylic acid monoester of a cyanoalcohol. 2,583,327, Jan. 22.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Polymerization process. 2,593,417, Apr. 22.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Ion-exchange resins from a vinyl pyridine or a vinyl quinoline and a vinyl ethinyl hydrocarbon. 2,623,013, Dec. 23.

Dales, George F., assignor of 49 per cent to A. R. Wells, Akron, Ohio. Double arm thermostat. 2,586,309, Feb. 19.

D'Alessandro, Nicholas P., East Orange, N. J. Valve seat refacer for saxophones and the like. 2,602,376, July 8.

Daley, Charles W., Indianapolis, Ind., assignor to Radio Corporation of America. Loading stop for electron tube making machines. 2,595,058, Apr. 29.

Daley, Evelyn, Milwaukee, Wis. Combined scissors support and marking device. 2,606,331, Aug. 12.

Daley, John H., and E. W. Larsen, South Gate, Calif. Reverse flow surge washer. 2,619,974, Dec. 2.

Dal Favero, Alleo: *See*—
Macaulay, John L., and Dal Favero.

Dalglish, Herbert F., St. Paul, and C. Welliver, Minneapolis, Minn.; said Welliver assignor to said Dalglish. Lawn mower handle. 2,602,953, July 15.

Dalglish, John, & Sons Limited, assignee: *See*—
Nield, Leslie C.

D'Alliberti, Michael, Troy Hills, N. J. Septic tank. 2,621,157, Dec. 9.

Dalin, David, Sodertalje, Sweden. Method of and apparatus for heat-treating and burning pulverized materials. 2,604,083, July 22.

Dalin, David, Stenkullen, Ronninge, assignor to A/B Svenska Maskinverken, Sodertalje, Sweden. Making extended surface heat exchangers. 2,584,189, Feb. 5.

Dalin, David, Ronninge, and T. J. Hedbäck, Sodertalje, Sweden. Method and apparatus for combusting finely divided low sintering temperature fuel. 2,586,790, Feb. 26.

Dalin, David, Stenkullen, Ronninge, G. V. Hagby, Ostertalje, and T. G. A. Wykman, assignors to A B Svenska Maskinverkin, Sodertalje, Sweden. Method of and apparatus for preheating the feed water for direct fired steam boilers. 2,623,506, Dec. 30.

Da-Lite Screen Company, Inc., assignee: *See*—
Du Mais, Leo J., and Bernzott.
Du Mais, Leo J., Bernzott, and Prokop.
Du Mais, Leo J., and Prokop.

Dalke, John L., Enid, Okla., assignor to the United States of America as represented by the Secretary of War. Map making apparatus. 2,582,374, Jan. 15.

Dall, Albert H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,599,698, June 10.

Dall, Albert H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,622,376, Dec. 23.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,237, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,923, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,924, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door lock. 2,582,925, Jan. 15.

Dall, Edward D., Detroit, Mich., assignor to Houdaille-Hershey Corporation. Automobile door lock. 2,582,926, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,927, Jan. 15.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door lock. 2,582,928, Jan. 15.

Dalle, Olivier, Saint-Cyr, assignor to Société des Mecaniques Verdol, Lyon, France. Jacquards for weaving looms. 2,602,473, July 8.

Dallenbach, Frederick: *See*—
Pavlecka, Vladimir H., and Dallenbach.

Dällenbach, Walter, Zollikon-Zurich, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Heated anode gaseous electric discharge device. 2,620,451, Dec. 2.

Dalmaso, George C.: *See*—
Ball, Charles F., and Dalmaso.

Dalmine S. A., assignee: *See*—
Coretti, Giacomo.

Dalquist, Mark S.: *See*—
Moen, Rolf, and Dalquist.

Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Reel. 2,584,559, Feb. 5.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Intake type unloader for compressors and the like. 2,594,132, Apr. 22.

Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Valve. 2,599,898, June 10.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Valve. 2,600,976, June 17.

Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Spray gun. 2,619,386, Nov. 25.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Spray gun. 2,621,970, Dec. 16.

Dalton, Harry, Jr., and T. M. Macario, Philadelphia, Pa. Runway marker for airports. 2,614,203, Oct. 14.

Dalton, John N., and J. P. Ploubides, assignors to Pacific Mills, Lawrence, Mass. Dyeing of wool with high-affinity colloidal dyestuffs and di-ammonium phosphate. 2,590,847, Apr. 1.

Dalton, Masten R., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Compositions comprising solutions of acrylonitrile polymers. 2,585,918, Feb. 19.

Dalton, Masten R., Charlotte, N. C., assignor to American Viscose Corporation, Wilmington, Del. Solutions of acrylonitrile polymers in nitromethane and alpha-hydroxy-beta-trichloropropionitrile. 2,588,334, Mar. 11.

Dalton, Masten R., Charlotte, N. C., assignor to American Viscose Corporation, Wilmington, Del. Solutions of acrylonitrile polymers. 2,588,335, Mar. 11.

Dalton, Neville J.: *See*—
Densmore, Richard M., and Dalton.

Dalton, Thomas B., assignor to Valley Research Corporation, Montague, Mich. Retractable arrow point. 2,613,936, Oct. 14.

Dalton, Thomas N., Leonia, assignor to The M. W. Kellogg Company, Jersey City, N. J. Method and apparatus for pumping volatile liquids. 2,609,668, Sept. 9.

Daly, George F., Chicago, Ill. Electromagnetic relay. 2,618,754, Nov. 18.

Daly, George M., West Collingswood, N. J., assignor to Radio Corporation of America. Radio tuning drive and band selector mechanism. 2,604,791, July 29.

Daly, Le Grand, Birmingham, Mich. Helmet. 2,610,322, Sept. 16.

Daly, Merritt and Sullivan, Incorporated, assignee: *See*—
Asker, Gunnar C. F.

Daly, Thomas A., and L. E. Sauer, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Switch. 2,604,556, July 22.

Daly, Thomas A., and H. A. Gill, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Variable enabler for acoustic torpedoes. 2,615,416, Oct. 28.

Dalzell, Charles B., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Plate type heat exchanger. 2,610,834, Sept. 16.

Dalzell, Harold L.: *See*—
Farrington, Thayer B., and Dalzell.

Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Pumping-type flotation apparatus. 2,612,358, Sept. 30.

D'Amato, Alexander, Abington, Mass. Card stenciling machine with address printing means. 2,612,103, Sept. 30.

D'Ambrosio, Angelo, Herkimer, N. Y. Garment hanger. 2,585,094, Feb. 12.

Dameron, Henry A., assignor to Greenville Steel and Foundry Company, Greenville, S. C. Taut washer for cloth. 2,580,892, Jan. 1.

Damiano, Frank, Newburgh, N. Y. Coin bank. 2,581,004, Jan. 1.

D'Amico, Carmen: *See*—
Carfago, Louis, and D'Amico.

D'Amico, Joseph S.: *See*—
Braithwaite, David G., and D'Amico.

Dammann, Faye G.: *See*—
Troth, Harry G., and Dammann.

Dammers, Bernhardus G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne radio receiver. 2,582,683, Jan. 15.

Dammers, Bernhardus G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit. 2,617,017, Nov. 4.

Dammers, Hendrik F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of powdered capillary-active sulfuric acid derivatives. 2,617,599, Nov. 11.

Damon, Austin G.: *See*—
Whitehouse, Irving P., Krauss, and Damon.

Damon, Michael J.: *See*—
Ruscito, John R., and Damon.

Damon, Robert H., H. E. Forester, and F. C. Sturrock, assignors to Johnson Fare Box Company, Chicago, Ill. Ten key coin issuing device. 2,605,774, Aug. 5.

D'Amore, Leonard, La Plant, S. Dak. Rail anchor. 2,621,858, Dec. 16.

Damrow Brothers Company, assignee: *See*—
Peters, Norman J., and Bradley.

Damsch, Herbert O. E. W., Hamburg, Germany. Air mattress. 2,623,574, Dec. 30.

Damschroeder, Rudolph E., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic emulsions sensitized with gold compounds. 2,597,856, May 27.

Dana Corporation, assignee: *See*—
Miller, Kay.
Thelander, W. Vincent.
Zieg, Clifford V., Jr.

Dance, Eldred L.: *See*—
Hill, Howard W., and Dance.

Dance, James O., assignee: *See*—
Dance, William H.

Dance, William H., assignor to J. O. Dance, Cambridge, Mass. Mechanical pointing device. 2,614,412, Oct. 21.

Danciger Oil & Refining Company, assignee: *See*—
Greene, David H.

Dancy, William B., East Point, Ga., assignor to International Minerals & Chemical Corporation. Salt block. 2,599,436, June 3.

Dandee Manufacturing Company, Inc., assignee: *See*—
Birt, Dannie D.

Dandurand, Paul, Montreal, Quebec, Canada. Hubcap. 2,593,274, Apr. 15.

Daněk, Otto, and J. Nosek, Pardubice-Rybitví, assignors to Vychodoceske Chemicke Zavody, narodni podnik, Pardubice, Czechoslovakia. Preparation of aromatic mercury halides. 2,593,114, Apr. 15.

Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Apparatus for recovering the hydraulic energy of a high velocity flow of water under free surface conditions. 2,605,616, Aug. 5.

D'Angely, Jean, Paris, and R. Linard, Montbellard, assignors to Etablissements Japy Freres, Societe Anonyme, Paris, France. Warning clockwork instrument. 2,621,467, Dec. 16.

Dangerfield, George W., Mount Holly, S. C. Plow for leveling ballast of railway tracks. 2,584,675, Feb. 5.

Dangerfield, Kenneth J.: *See*—
Avery, Raymond W., and Dangerfield.

Daniel, Al F., and T. A. Patterson, Jackson, Miss. Shoe polisher. 2,599,095, June 3.

Daniel, Arthur F., Fair Haven, N. J., assignor to the United States of America as represented by the Secretary of the Army. Plastic-cased dry cells. 2,620,369, Dec. 2.

Daniel, Donald E.: *See*—
Wilcox, Warren, and Daniel.

Daniel, John H., Jr., Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Wet strength paper and the production thereof. 2,595,935, May 6.

Daniel, John H., Jr., Stamford, and J. C. Petropoulos, South Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified alkyd resin reacted with styrene and an acrylonitrile. 2,600,623, June 17.

Daniel, John H., Jr., Stamford, L. H. Wilson, Greenwich, R. Hastings, Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Application of dispersed coating materials to cellulosic fibers. 2,601,597, June 24.

Daniel, John H., Jr., Stamford, L. H. Wilson, Greenwich, R. Hastings, Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Application of dispersed materials to cellulosic fibers. 2,601,598, June 24.

Daniel, Leonard J., St. Paul, Minn. Refrigerator pump. 2,623,365, Dec. 30.

Daniell, Francis H., East Malvern, Victoria, assignor to Kraft Walker Cheese Company Proprietary Limited, South Melbourne, Victoria, Australia. Homogenizing liquids. 2,621,905, Dec. 16.

Daniels, Farrington, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Thermoluminescence radiation exposure meter. 2,616,051, Oct. 28.

Daniels, Flavius K.: *See*—
Nasmith, John I., and Daniels.

Daniels, George H., Westfield, N. J. Receptacle filling machine. 2,617,517, Nov. 11.

Daniels, George H., and J. J. Verbanc, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing aromatic mercaptans. 2,605,289, July 29.

Daniels, Gordon E., assignor to Kerrigan Iron Works, Inc., Nashville, Tenn. Stamping and assembling multi-part conductor clamps. 2,596,375, May 13.

Daniels, Harry, Brooklyn, N. Y., assignor to Super Electric Products Corp., Jersey City, N. J. Core and related tube structure. 2,580,661, Jan. 1.

Daniels, Herbert E., Orange, N. J., assignor to The Jampol Company, Inc., Brooklyn, N. Y. Control apparatus for conveyer systems. 2,614,684, Oct. 21.

Daniels, James W., Fort Myers, Fla. Fish skinning machine. 2,605,495, Aug. 5.

Daniels, James W., Fort Myers, Fla. Self-loading and self-dumping vehicle. 2,609,951, Sept. 9.

Daniels, Joseph, Essen-Ruhr, Germany, assignor to Koppers Company, Inc., Pittsburgh, Pa. Apparatus for preparing a suspension of finely divided solid in a gaseous medium. 2,621,083, Dec. 9.

Daniels, Lee C., assignor to Towmotor Corporation, Cleveland, Ohio. Side-dumping scoop. 2,585,095, Feb. 12.

Daniels, Lee G., Rockford, Ill. Multiport rotary plate valve. 2,598,362, May 27.

Daniels, Lee G., Rockford, Ill. Multiple port valve. 2,605,992, Aug. 5.

Daniels, Robert A., Santa Barbara, Calif. Sheet metal working hammer. 2,623,426, Dec. 30.

Daniels, Stephen L., Canton, assignor, by mesne assignments, of one-half to H. S. Blocker, Cleveland, Ohio. Sheet metal siding. 2,607,449, Aug. 19.

Daniels, Theodore H., Seattle, Wash. Drawoff tap for liquid-containing cartons. 2,585,538, Feb. 12.

Daniels, William T., Pittsburgh, Pa. Air cleaner. 2,623,609, Dec. 30.

Danielsen, August A., Rosedale, and A. P. Schleret, Babylon, assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Hospital bathtub. 2,603,796, July 22.

Danielson, Arthur C., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Protection of cellulose fiber against heat aging. 2,616,822, Nov. 4.

Danielson, Carl E., North Sacramento, Calif. Rag reciprocating mechanism for shoe-shining machines. 2,605,486, Aug. 5.

Danielson, Elmer L., Oakland, and F. J. Dofsen, San Francisco, Calif. Forming a composite plastic structure. 2,607,957, Aug. 26.

Danielson, Elmer L., Oakland, and F. J. Dofsen, San Francisco, Calif. Forming a multipart plastic article. 2,609,570, Sept. 9.

Danielson, John A., Richmond, Calif. Automatic air pressure safety valve. 2,601,968, July 1.

Danielson, Ludwig P., Evanston, Ill. Stool. 2,590,382, Mar. 25.

Danielson, Vernon S., Dolton, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,592,661, Apr. 15.

Danielson, Vernon S., Dolton, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,603,480, July 15.

Danielsson, Pehr A. C.: *See*—
Kalling, Bo M. S., Danielsson, and Dragge.

Danisch, Marion S., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Control system for magnetic recorders. 2,614,760, Oct. 21.

Danison, Robert C.: *See*—
Olson, Harry S., and Danison.

Danison, Robert C., Panesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Flame retardant polyethylene and lignin containing composition. 2,588,362, Mar. 11.

Danita Hosiery Mfg. Co. Inc., assignee: *See*—
Vogel, Arthur W.

Dankers, Christiaan J. J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutting head for dry shavers. 2,616,168, Nov. 4.

Danly, George I.: *See*—
Danly, Philo H., G. I., and Georgeff.

Danly, George I., Elmhurst, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Sensing construction for fluid pressure operated brake and clutch assemblies. 2,586,617, Feb. 19.

Danly, George I., Elmhurst, and J. C. Danly, River Forest, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Mechanical trip and inching control for presses. 2,616,542, Nov. 4

Danly, George I., Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Feed for power presses. 2,618,840, Nov. 25.

Danly, James C.: *See*—
Danly, George I. and J. C.
Danly, George I., and Georgeff.

Danly, James C., River Forest, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Making solid friction disks. 2,585,539, Feb. 12.

Danly, James C., River Forest, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Continuous oiling system for presses. 2,593,115, Apr. 15.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, George I.
Danly, George I. and J. C.
Danly, James C.
Danly, James C., and Georgeff.
Danly, Philo H.
Danly, Philo H., G. I., and Georgeff.
Danly, Philo H., and Georgeff.
Davoust, Marshall A.
Georgeff, Vasil.

Danly, Philo H., Hinsdale, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Safety assembly for power presses. 2,616,543, Nov. 4.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Clutch assembly for presses. 2,581,637, Jan. 8.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Air-cooled press brake and clutch assembly. 2,584,190, Feb. 5.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Brake assembly for presses. 2,584,191, Feb. 5.

Danly, Philo H., Hinsdale, G. I. Danly, Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Fluid pressure released brake. 2,584,192, Feb. 5.

Danly, Philo H., Hinsdale, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Power press flywheel bearing lubricating system. 2,593,116, Apr. 15.

Dann, Theodore F., Milwaukee, Wis. Retractable barb device. 2,598,230, May 27.

Dannenberg, Hans: *See*—
Adelson, David E., and Dannenberg.

Dannevig, Kristoffer: *See*—
Wester, Horace V., and Dannevig.

Dan River Mills, Incorporated, assignee: *See*—
Newton, Russell B.
Patterson, Carrel L.
Williamson, Ollie L.
Womble, Glenn F.

Dans, Bernard D.: *See*—
Currie, Grover C., Dans, and Arner.

Dant & Russell, Inc., assignee: *See*—
Zoradi, Elko D.

Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Insulated electrical lead. 2,606,849, Aug. 12.

Danuser, Jakob: *See*—
Schmid, Max, Danuser, Johner, Moser, and Wuergler.

Danvers, Ellis: *See*—
Morris, Edward H., Danvers, and Godden.

Dany, Elmer W., Brecksville, Ohio, assignor to Ferro Corporation. Continuous furnace. 2,608,740, Sept. 2.

Danzin, André, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Glasses of high resistivity and low dielectric losses. 2,580,662, Jan. 1.

Danzig, Meyer H., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with polyunsaturated monocarboxylic acids. 2,616,886, Nov. 4.

Danzig, Meyer H., Naugatuck, and L. F. Mirous, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with unsaturated aldehydes. 2,616,887, Nov. 4.

Daoust, George A., assignor to C. F. Earl, Reno, Nev. Door handle removing tool. 2,618,847, Nov. 25.

Daoust, Pierre, Lachine, Montreal, Quebec, Canada. Brass instrument cone-type mute. 2,621,553, Dec. 16.

Dapolonia, Frank A., assignee: *See*—
McKeever, Eloy C.

D'Aragon, Paul, Val d'Or, Quebec, Canada. Pulverizing and classifying machine. 2,609,151, Sept. 2.

Darash, Nicholas P., assignor to The Warner and Swasey Company, Cleveland, Ohio. Cross slide stop mechanism. 2,600,213, June 10.

Darbee, John R., Clawson, Mich. Universal mouthpiece for smokers' pipes. 2,613,675, Oct. 14.

Darbo, Rolf E., Madison, Wis. Drier device for boots and the like. 2,614,337, Oct. 21.

Darby, Reuben U., Middletown, Md. Walking angle corrective footwear. 2,616,190, Nov. 4.

Darby, William S., Baltimore, Md., and P. B. Thomas, Philadelphia, Pa., said Darby assignor to said Thomas. Combination hookholder and pocket construction. 2,596,131, May 13.

Darbyshire, Leslie N., Woodclose, Ripley, England. Packing of articles susceptible to damage. 2,601,919, July 1.

Darche, Albert A. A., Bondy, France. Cooling explosion engines. 2,584,560, Feb. 5.

Darcissac, Marcel, Paris, France. Artificial denture mounting. 2,605,546, Aug. 5.

D'Arcy, Ellis W., assignor to De Vry Corporation, Chicago, Ill. Film pressure shoe and aperture plate assembly for motion-picture projecting apparatus. 2,617,327, Nov. 11.

Dardani, Edward V., Fairfield, Conn. Sweepstick for looms and self-aligning bearing therefor. 2,601,875, July 1.

Darden, Eugene T.: *See*—
Bruner, Walter M., and Darden.

Darden, Robert R., Jr.: *See*—
Karp, Harvey, Darden, and Kolodziej.

Darden, Wallace F., Springfield, Tenn. Spinning top. 2,614,364, Oct. 21.

Dare Products, Incorporated, assignee: *See*—
Wilson, Robert M.

Darke, Francis J., Jr.: *See*—
Szikiai, George C., and Darke.

Darke, Francis J., Jr., Princeton, N. J., assignor to Radio Corporation of America. Deflection control system. 2,611,816, Sept. 23.

Darke, Francis J., Jr., Princeton, N. J., assignor to Radio Corporation of America. Color television pickup system. 2,615,974, Oct. 28.

Darling, Elton R., Muncie, Ill., and W. E. C. Yelland, Washington, D. C., assignors to Lauhoff Grain Company, Danville, Ill. Liberating and recovering oil from materials containing starch, proteins, and oil. 2,606,916, Aug. 12.

Darling, Frank M.: *See*—
Menkin, Benjamin D., and Darling.

Darling, Horace E., North Attleboro, assignor to The Foxboro Company, Foxboro, Mass. Combining measuring circuit. 2,590,946, Apr. 1.

Darling, L. A., Company, assignee: *See*—
Halsall, Thomas M.

Darley, Merrill M., Jackson Heights, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dust gun. 2,596,011, May 6.

Darling, Ralph E., Bethesda, Md. Personal equipment for aircraft pilots. 2,602,608, July 8.

Darling, Ralph E., Bethesda, Md. Personal equipment for aircraft pilots. 2,621,875, Dec. 16.

Darling, Robert F., Monkseaton, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Sprayer stop valve. 2,609,237, Sept. 2.

Darlington, Thomas B., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid level gauge. 2,614,426, Oct. 21.

Darmara, Faith N., New Hartford, N. Y., assignor to United States Steel Company. Recrystallizing deep-drawing steel. 2,597,979, May 27.

Darmody, William J., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Nondeforming holding means for gauges. 2,580,412, Jan. 1.

Darnell, Jesse L., Milford, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Bake pan unit. 2,589,605, Mar. 18.

Darnell, Jesse L., Milford, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Cover for bake pan units. 2,601,099, June 17.

Darnell, Jesse L., Milford, and E. M. Cormack, Mount Healthy, assignors to The Lockwood Manufacturing Company, Cincinnati, Ohio. Bake pan unit. 2,609,959, Sept. 9.

Darnell, Victor L., Spring Valley, Ohio. Dispensing device. 2,591,516, Apr. 1.

Darner, Frederic M., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for forming cylindrical shapes. 2,587,975, Mar. 4.

Darney, Harold E., Bloomfield, assignor to Hanovia Chemical and Mfg. Company, Newark, N. J. Socket for elongated tubular lamps. 2,589,677, Mar. 18.

Daroux, William G.: *See*—
Moise, James E., Luening, and Daroux.

Darr, Harold W., assignor of twenty-seven and one-half per cent to M. J. Darr, twenty-two and one-half per cent to H. F. Woo, and twenty-two and one-half per cent to L. Y. Woo, Minneapolis, Minn. Carton. 2,613,867, Oct. 14.

Darr, M. Josephine, assignee: *See*—
Darr, Harold W.

Darragh, Frank H., Jr., New Brighton, assignor of one-half to C. W. Read, New Castle, Pa. Crawler tractor friction wheel drive mechanism. 2,581,365, Jan. 8.

Darragh, John L., and R. J. Miller, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Preparation of aryl mono-carboxylic acids. 2,610,211, Sept. 9.

Darrah, Kermit L.: *See*—
Smith, Norman A., and Darrah.

Darrah, Kermit L., Lynnfield Center, and F. O. Fridell, Lynnfield, Mass., assignors to General Electric Company. Clutch and brake device. 2,619,206, Nov. 25.

Darrin, Howard A., Los Angeles, Calif. Automobile bumper and chassis construction. 2,621,066, Dec. 9.

Darrow, Burgess, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for filling tires with a liquid. 2,581,914, Jan. 8.

Darrow, Merritt I., Chicago, G. R. Biddinger, Forest Park, and W. J. Patterson, La Grange, assignors to Swift & Company, Chicago, Ill. Poultry gizzard skinner. 2,620,510, Dec. 9.

Dar-Syn Laboratories, Inc., assignee: *See*—
Grier, Nathaniel, and Casalbore.

Dart, Jack C., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis process. 2,586,618, Feb. 19.

Dart, Sidney L.: *See*—
Peterson, Leroy E., and Dart.

Dart, William F., Mason, Mich. Measuring tape and case therefor. 2,599,320, June 3.

D'Artenay, Francis A., Stratford, Calif. Hitch for ganging a plurality of implements in squadron arrangement. 2,590,158, Mar. 25.

Dartt, Thornton E., Cameron, N. Y. Display stand for Christmas tree lamp assembly. 2,595,929, May 6.

Darvill, Alec B., Buckinghamshire, England. Vehicle wheel and attachment therefor. 2,583,634, Jan. 29.

Darwin, Joseph A., South Orange, N. J. Time control device. 2,589,995, Mar. 18.

Dasey, Homer H., New Kensington, assignor to Visual Planning Equipment Co., Inc., Oakmont, Pa. Model layout repro-templet method. 2,610,413, Sept. 16.

Daskam, Edward, Jr.: *See*—
Bartelink, Everhard H. B., and Daskam.

Dasse, Lester F.: *See*—
Lucker, Millard B., Myers, and Dasse.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,581,520, Jan. 8.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,583,635, Jan. 29.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,588,487, Mar. 11.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway draft riggings. 2,588,488, Mar. 11.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,591,922, Apr. 8.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for railway draft riggings. 2,598,762, June 3.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,602,663, July 8.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake for railway cars. 2,603,101, July 15.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,603,478, July 15.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,607,583, Aug. 19.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,616,685, Nov. 4.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car truck springs. 2,620,179, Dec. 2.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,620,180, Dec. 2.

Dath, George E., Mokena, and A. G. Peterson, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway cars. 2,592,662, Apr. 15.

Dath, George E., Mokena, and A. G. Peterson, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway car draft riggings. 2,592,663, Apr. 15.

Dath, George E., Mokena, and H. W. Mulcahy, assignors to W. H. Miner, Inc., Chicago, Ill. Lever mechanism for clutches. 2,597,709, May 20.

Dattilo, Austin, Hammonton, N. J. Artificial christmas tree. 2,586,791, Feb. 26.

Daub, Rudolph, West Caldwell, N. J. Valve cooling. 2,585,540, Feb. 12.

Dauben, Hyp J., Jr.: *See*—
Bartlett, Paul D., and Dauben.

Daubenspeck, Henry C., assignee: *See*—
Winder, Samuel E.
Youkers, Harold A.

Dauber, Adolph F., Elam, Pa., A. F Gagne, Jr., Stratford, Conn., and C. R. Johnson, Glenn Mills, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Shell inspection apparatus. 2,607,480, Aug. 19.

Dauber, Joseph, assignor to Acme Scientific Company, Chicago, Ill. Optical angle measuring apparatus. 2,592,543, Apr. 15.

Dauch, Alan D., Pittsburgh, Pa. Rotary hearth furnace. 2,622,863, Dec. 23.

Daudé, Jean: *See*—
Gobin, Jean.

Daudé, Jean E. F. (Gobin): *See*—
Gobin dit Daudé, Jean E. F.

D'Audiffret, Adolph: *See*—
Silitch, Eugene W., and d'Audiffret.

Daudt, William H.: *See*—
Hyde, James F., and Daudt.

Dauenhauer, Florian F., Santa Rosa, Calif. Traveling mesh cluster picker, leaf and stem separator. 2,587,604, Mar. 4.

Daugherty, Burton P., Jr., Washington, D. C. Strap construction for bathing sandals. 2,595,643, May 6.

Daugherty, Frank Z.: *See*—
Morrison, Willard L., Jr., and Daugherty.

Daugherty, George W., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying and dusting machine. 2,593,275, Apr. 15.

Daugherty, George W., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying machine. 2,604,357, July 22.

Daugherty, George W., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying machine. 2,608,441, Aug. 26.

Daugherty, George W., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying and dusting machine. 2,609,635, Sept. 9.

Daugherty, George W., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying machine. 2,618,508, Nov. 18.

Daugherty, Jesse: *See*—
Kroeger, Edward W., and Daugherty.

Daugherty, Jesse, Cincinnati, Ohio, assignor, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine Tool. 2,604,363, July 22.

Daugherty, Jesse, Cincinnati, Ohio, assignor, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine tool. 2,605,656, Aug. 5.

Daugherty, Robert L., Madison, assignor to Hankscraft Company, Reedsburg, Wis. Time control system and apparatus. 2,601,264, June 24.

Daugherty, Sherman B., assignee: *See*—
Springford, Vernon H.

Daugherty, Willis V., Clinton, N. Y., assignor to Utica Drop Forge & Tool Corporation. Pivoted hand tool. 2,622,464, Dec. 23.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of pentaerythrityl phosphates. 2,583,549, Jan. 29.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Making partially carboxymethylated or phosphorylated cellulosic fibrous materials crease resistant and dye resistant. 2,584,114, Feb. 5.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Pentaerythrityl phosphoric acid esters of cellulose and making the same. 2,592,544, Apr. 15.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Reacting polyvinyl-alcohol with urea phosphate. 2,609,360, Sept. 2.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Polyvinyl phosphoric acid esters of cellulose and making the same. 2,610,953, Sept. 16.

Daul, George C., and J. D. Reid, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Making soluble yarns and threads of partially carboxymethylated cotton. 2,617,707, Nov. 11.

Daum, Harold, New York, N. Y., and D. L. Rugen, Bound Brook, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Adhesive applying means for coating the flaps of cartons. 2,584,848, Feb. 5.

Dauphinee, George S., Brooklyn, assignor, by mesne assignments, to W. B. Connor Engineering Corporation, New York, N. Y. Adsorbing device. 2,589,229, Mar. 18.

D'Aurora, Patsy T., Erie, Pa. Glass washing machine. 2,610,642, Sept. 16.

Daussan, Henri J., Metz, France. Products for coating molds and ingot molds. 2,580,524, Jan. 1.

Daussan, Henri J., Metz, France, assignor to The Ferro Engineering Company. Method and device for casting ingots of rimming steel. 2,591,517, Apr. 1.

Daussat, Russell L., and C. T. Steele, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing catalysts. 2,595,772, May 6.

Dautrebande, Lucien, Washington, D. C., assignor to Aerosol Corporation of America, New York, N. Y. Lobeline aerosol dilating medicament. 2,594,296, Apr. 29.

Dautrebande, Lucien, Washington, D. C., assignor to Aerosol Corporation of America, New York, N. Y. Apparatus for obtaining aerosols. 2,605,087, July 29.

Dautrebande, Lucien, Washington, D. C., assignor to Aerosol Corporation of America, New York, N. Y. Apparatus for obtaining aerosols. 2,605,088. July 29.

Dautrebande, Lucien, Washington, D. C., assignor to Aerosol Corporation of America, New York, N. Y. Apparatus for obtaining aerosols. 2,605,089, July 29.

Dautrebande, Lucien A. J., Rhode-Saint-Genese, Belgium, assignor to Aeresol Corporation of America, New York, N. Y. Eliminating dust produced by pneumatic drills. 2,581,943, Jan. 8.

D'Avaucourt, Pierre D., Bainbridge, Pa. Wire saw strand and making the same. 2,604,883, July 29.

D'Avaucourt, Pierre de Vitry, Bainbridge, Pa. Apparatus for abrading. 2,616,226, Nov. 4.

D'Avaucourt, Pierre de Vitry, Bainbridge, Pa. Method and apparatus for forming sawing wires. 2,616,478, Nov. 4.

Davco Incorporated, assignee: *See*—
Davis, Ray B.

Da Veiga, Vinicio, Sao Paulo, Brazil. Resin made from tannin, sulfuric acid, acetone, and potassium cyanide. 2,590,760, Mar. 25.

Daven Company, assignee: *See*—
Naef, Alfred H., and Smith.

Daven Company, The, assignee: *See*—
Freeman, Robert H.
Hood, Andrew.

Davenport, Bernice E., Portland, Oreg. Lengthenable garment. 2,602,163, July 8.

Davenport, Charles H., El Dorado, Ark., assignor to Swift & Company, Chicago, Ill. Fertilizer manufacture. 2,618,546, Nov. 18.

Davenport, Charles H., El Dorado, Ark., and W. R. Horn, Agricola, Fla., assignors to Swift & Company, Chicago, Ill. Manufacture of mixed fertilizers. 2,618,547, Nov. 18.

Davenport, Philip E., San Leandro, Calif. Target control device. 2,593,117, Apr. 15.

Davenport, Theron P., Port Neches, Tex. Maneuvering machine. Re. 23,592, Dec. 9.

Davenport, William F., Stratford, and H. A. Smith, Fairfield, Conn. Self-sealing valve for inflatable pneumatic bladders or the like. 2,597,924, May 27.

Daves, Bruner R., and W. L. Irvine, Claremont, Calif. Box stacking mechanism. 2,609,111, Sept. 2.

Davey, Edward P.: *See*—
Baines, Harry, Davey, and Teal.

Davey, Edward P., and E. B. Knott, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic silver bromide emulsion containing some silver iodide. 2,592,250, Apr. 8.

Davey, James R., New York, and W. T. Rea, Manhasset, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph hub repeater. 2,608,619, Aug. 26.

Davey, Joseph: *See*—
Tapp, Ernest T. J., and Davey.

Davey, Thomas R. A., Port Pirie, South Australia, assignor to The Broken Hill Associated Smelters Proprietary Limited, Melbourne, Victoria, Australia. Distillation of metals. 2,615,706, Oct. 28.

Davlau, Jerome G., Waterville, Maine. Fishing rod case. 2,595,230, May 6.

David, Heins E., Parkchester, N. Y. Buckle with pivoted tongue. 2,591,787, Apr. 8.

David, Mario T., Los Angeles, Calif. Needle threader. 2,609,131, Sept. 2.

David, Roger H., St. Paul, Minn. Shoe holding device. 2,580,525, Jan. 1.

David, Roland P. L. M., assignor to Le Materiel Electrique S. W., Paris, France. Rapid response direct current generator. 2,582,531, Jan. 15.

David, Roland P. L. M., assignor to Le Materiel Electrique S. W., Paris, France. Direct current exciter-generator. 2,621,320, Dec. 9.

Davidoff, Isidore Z., Milwaukee, Wis., and L. A. Petzel, Franklin Park, Ill. Smoking pipe. 2,621,660, Dec. 16.

Davidson, Allen R., Erie, Pa., assignor to General Electric Company. Quality control indicator. 2,602,586, July 8.

Davidson, Allen R., assignor to Autoclave Engineers, Erie, Pa. Control for reciprocating magnetic actuators. 2,623,738, Dec. 30.

Davidson, Charles S., Detroit, assignor to Byrne Doors, Inc., Ferndale, Mich. Door operating device. 2,619,345, Nov. 25.

Davidson Corporation, assignee: *See*—
Davidson, William W.

Davidson, Donald E., Los Angeles County, Calif. Eyepiece mounting means. 2,610,545, Sept. 16.

Davidson, Donald J., Ravenstone, assignor to Pegson Limited, Coalville, England. Pallet feeding device. 2,608,285, Aug. 26.

Davidson, Frank J., Philadelphia, Pa. Duplex double-acting steam pump. 2,619,038, Nov. 25.

Davidson, Henry A., Long Beach, Calif. Haircutting device. 2,602,219, July 8.

Davidson, Ivor M., South Farnborough, assignor to Power Jets (Research and Development) Limited, London, England. Rotary power conversion machine. 2,623,688, Dec. 30.

Davidson, James R., assignor to Taylor Instrument Companies, Rochester, N. Y. Needle valve. 2,618,457, Nov. 18.

Davidson, John, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat transfer device. 2,615,686, Oct. 28.

Davidson, John G.: *See*—
McElroy, Clifford T., and Davidson.

Davidson, John T., assignor to The Standard Register Company, Dayton, Ohio. Strip burster. 2,618,336, Nov. 18.

Davidson, Leo R., Sturgis, Mich. Handle for valve stems and the like. 2,607,616, Aug. 19.

Davidson, Louis, Oceanside, N. Y. Door closure. 2,586,792, Feb. 26.

Davidson, Maxwell S.: *See*—
McNerny, Clyde F., Davidson, and Jeffries.

Davidson, Milton, Newport News, Va. Variable area diffuser or effuser. 2,608,053, Aug. 26.

Davidson, Oliver W.: *See*—
Rohs, Joseph F., and Davidson.

Davidson Plywood and Lumber Co., assignee: *See*—
McElroy, Clifford T., and Davidson.

Davidson, Robert G., Chicopee Falls, assignor to Noble Manufacturing Co, Inc., Haydenville, Mass. Rifle with integral breech bolt and magazine. 2,596,841, May 13.

Davidson, Russell E., Brady Lake, Ohio. Retrieving tool. 2,583,476, Jan. 22.

Davidson, Sherman A.: *See*—
Murphy, Elias S., and Davidson.

Davidson, Sidney N., Washington, D. C. Body lifter. 2,607,103, Aug. 19.

Davidson, Trevor O., Milwaukee, and B. L. Lonngren, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Lowerable A-frame. 2,609,939, Sept. 9.

Davidson, Vernon D., Corpus Christi, Tex. Overshot. 2,619,374, Nov. 25.

Davidson, William W., Evanston, Ill., assignor, by mesne assignments, to Davidson Corporation. Apparatus for printing newspapers and the like. 2,593,118, Apr. 15.

Davidson, William W., Evanston, Ill., assignor, by mesne assignments, to Davidson Corporation. Single revolution drive control for rotary printing presses. 2,603,154, July 15.

Davie, Eprevel, Montgomery, Ala. Portable dust collecting utensil. 2,621,497, Dec. 16.

Davies, Archibald: *See*—
Kraft, Wheaton W., Davies, and Schauble.

Davies, Charles H., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft gun turret. 2,598,231, May 27.

Davies, Clarence J.: *See*—
Millar, John R., Stack, and Davies.

Davies, Ernest, assignor to Vickers-Armstrongs Limited, London, England. Valve for fuel injection systems. 2,608,375, Aug. 26.

Davies, Frank: *See*—
Vincent, John J., and Davies.

Davies, Harry E.: *See*—
Reimschissel, Charles A., and Davies.

Davies, Kenneth R., Radbourne, near Derby, and K. Herbstritt, Littleover, Derby, assignors to Rolls-Royce Limited, Derby, England. Fuel system for gas-turbine engines. 2,618,222, Nov. 18.

Davies, Leonard G., Pinner, England. Measurement of the flow of liquids through grids and other baffling devices. 2,617,295, Nov. 11.

Davies, Lynn E., Park Ridge, assignor to White Cap Company, Chicago, Ill. Mechanism for transferring containers and the like. 2,601,914, July 1.

Davies, Mearl P., Phoenix, Ariz. Sizer and classifier. 2,607,488, Aug. 19.

Davies, Miles: *See*—
Nelson, Russell B., Davies, and Neth.

Davies, Miles, and F. Neth, Vancouver, Wash. Machine for molding concrete blocks. 2,620,541, Dec. 9.

Davies, Phineas, R. W. Reynolds, R. R. Coats, and A. W. C. Taylor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of amines. 2,609,394, Sept. 2.

Davies, Richard E., Ridgewood, N. J., assignor to Celanese Corporation of America. Ageing and polymerizing impure methyl vinkyl ketone. 2,599,616, June 10.

Davies, Robert E., and H. H. Fink, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Resilient mounting. 2,611,574, Sept. 23.

Davies, Robert H.: *See*—
Montanus, Richard C., Mumma, and Davies.

Davies, Robert H., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,593,733, Apr. 22.

Davies, Robert H., Aurora Township, Portage County, assignor to The Parker Appliance Company, Cleveland, Ohio. Emergency by-pass valve for fluid circuits. 2,609,829, Sept. 9.

Davies, Robert H., Bedford, and E. C. Hartley, Euclid, assignors to The Parker Appliance Company, Cleveland, Ohio. Speed and aneroid controlled pilot operated valve. 2,619,103, Nov. 25.

Davies, Samuel D., Hanover, N. H. Slipper hanger or rack attachment for beds. 2,614,268, Oct. 21.

Davies, William H., Ellwood City, Pa. Plug gauge. 2,617,201, Nov. 11.

Davies-Young Soap Company, The, assignee: *See*—
Trusler, Ralf B.

Davis, Allan C., Baltimore, Md. Defective crate detector and ejector. 2,593,119, Apr. 15.

Davis, Allan C., Baltimore, Md. Article grouping mechanism. 2,609,911, Sept. 9.

Davis, Archibald H., Sandusky, assignor to The Apex Electrical Mfg. Co., Cleveland, Ohio. Reversible motor controlled portable ironer. 2,583,685, Jan. 29.

Davis, Archibald H., Sandusky, and R. L. Archbold, Euclid, assignors to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Washing machine with water balancer. 2,603,982, July 22.

Davis, Archie, assignee: *See*—
Haston, John L.

Davis, Arnold R., Riverside, Conn., and B. W. Henderson, Montclair, N. J., assignors to American Cyanamid Company, New York, N. Y. Softening of rubber. 2,618,620, Nov. 18.

Davis, Arthur G.: *See*—
Wheat, Grant, and Davis.

Davis, Arthur L.: *See*—
Earhart, Kenneth A., and Davis.

Davis, Arthur P.: *See*—
Grosvenor, William M., Jr., and Davis.

Davis, Arthur P., New York, and G. Agins, Brooklyn, N. Y., assignors to Arma Corporation. Remote control apparatus. 2,588,213, Mar. 4.

Davis, Bayard C.: *See*—
Schofield, Earl L., and Davis.

Davis Brake Beam Company, assignee: *See*—
Stillwagon, Charles K.

Davis, Charles J., Derby, Kans. Gridiron or broiling rack. 2,604,843, July 29.

Davis, Charles J., Jr., assignor to Armour and Company, Chicago, Ill. Treatment of tank water and tankage. 2,597,230, May 20.

Davis, Charles S., Jr., New York, N. Y., S. Humphries, Wyckoff, and C. A. Ricard, Fair Lawn, N. J., assignors to Curtiss-Wright Corporation. Gear alignment fixture for gear shapers. 2,618,071, Nov. 18.

Davis, Charles W., Jr.: *See*—
Tierney, William T., Jr., and Davis.

Davis, Chester L., assignee: *See*—
Brewster, Albert.

Davis, Christopher A., Barnoldswick, assignor to Rolls-Royce Limited, Derby, England. Air compressor for use on aircraft. 2,613,028, Oct. 7.

Davis, Clarence L., St. Louis, Mo. Handle connection. 2,594,878, Apr. 29.

Davis, Claud A., Wauseon, assignor by mesne assignments, to G. Lemon, Fulton County, Ohio. Toy gun. 2,616,409, Nov. 4.

Davis, Cortland W., deceased, by L. A. Davis, executrix, River Forest, Ill., and J. W. Switack, Nashville, Tenn., assignors to Aladdin Industries, Incorporated, Chicago, Ill. Inverted incandescent mantle lantern. 2,619,820, Dec. 2.

Davis, Dale V.: *See*—
Boger, Sam, and Davis.

Davis, David L.: *See*—
Messer, John S., and Davis.

Davis, David T.: *See*—
Woods-Hill, William, and Davis.

Davis, Dwillard J., Detroit, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Spring type husking peg. 2,617,424, Nov. 11.

Davis, Earl, Whittier, assignor to Purex Corporation, Ltd., South Gate, Calif. Deaeration and drying of water-soluble sulfonated detergent compositions. 2,606,156, Aug. 5.

Davis, Earl R.: *See*—
Reinheimer, Emma C., and Davis.

Davis, Earl T., Cuthbert, Ga. Draw bar control. 2,599,617, June 10.

Davis, Edgar B., Tangerine, Fla. Combination bed and chair. 2,604,926, July 29.

Davis, Edgar B., Tangerine, Fla. Absorbent coaster. 2,608,074, Aug. 26.

Davis, Edward A., and R. R. Ambler, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for vulcanizing annular articles. 2,587,119, Feb. 26.

Davis, Edward M.: *See*—
Marx, Joe J., and Davis.

Davis, Ellis E., Williamsport, Pa. Garden tractor. 2,597,622, May 20.

Davis, Elmer M., St. Croix Falls, Wis., assignor to Swift & Company, Chicago, Ill. Poultry picker. 2,617,145, Nov. 11.

Davis, Elmer W., Newton Center, assignor to American Locker Company, Inc., Boston, Mass. Checking cabinet. 2,585,919, Feb. 19.

Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system. 2,595,644, May 6.

Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Electric control system. 2,617,089, Nov. 4.

Davis, Elwood T., Havertown, assignor to Leeds and Northrup Company, Philadelphia, Pa. Automatic control system using nonlinear responsive elements. Re. 23,561, Oct. 7.

Davis, Elwood T., Brookline, and W. Clark, Jr., assignors to Leeds and Northrup Company, Philadelphia, Pa. Control system with droop correction. 2,594,133, Apr. 22.

Davis, Ernest, and E. A. Winnewisser, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Cuff clamp mechanism for sleeve presses. 2,595,514, May 6.

Davis, Ernest W., Oak Park, assignor to Gits Bros. Mfg. Co., Chicago, Ill. Centralized oiling system. 2,620,896, Dec. 9.

Davis, Ernest W., River Forest, Ill. Manually operated control valve for lubricating apparatus. 2,586,456, Feb. 19.

Davis, Ernest W., River Forest, Ill. Lubricating apparatus. 2,616,523, Nov. 4.

Davis, Ernest W., River Forest, Ill. Measuring valve. 2,617,496, Nov. 11.

Davis, Flavius E., III, Jackson, Mich. Meter testing apparatus. 2,586,008, Feb. 19.

Davis, Flavius E., III, Jackson, Mich. Photoelectric device. 2,614,226, Oct. 14.

Davis, Frank G., Baltimore, Md. Adjustable bolt-holding wrench. 2,600,214, June 10.

Davis, Frank L., College Point, N. Y. Cargo securing system. 2,605,064, July 29.

Davis, Fred H., Hamilton, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Rack for holding master sheets. 2,602,395, July 8.

Davis & Geck, Inc., assignee: *See*—
Adams, Charles C.

Davis, George B., Jr., Glen Mar Park, Md. Drapery suspending device. 2,602,205, July 8.

Davis, George F., Middleville, and E. J. Ayars, Grand Rapids, Mich. Machine for automatically timing the immersion of an article into a series of liquids. 2,615,421, Oct. 28.

Davis, George W.: *See*—
Weaver, John N., and Davis.

Davis, Harold C., Webster Groves, and R. A. Claridge, Affton, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Wheeled shopping bag. 2,610,071, Sept. 9.

Davis, Harold D., Brooklyn, N. Y. Presser lid with steaming attachment. 2,611,980, Sept. 30.

Davis, Harold M., North Calais, assignor to Precision Paper, Inc., Calais, Vt. Apparatus for producing paper. 2,608,912, Sept. 2.

Davis, Harry S., Metropolis, Ill. Window seal structure. 2,593,658, Apr. 22.

Davis, Henry A., Sebring, Fla. Window construction. 2,580,736, Jan. 1.

Davis, Henry M., State College, Pa., assignor to United States Steel Company. Enameling metalware. 2,612,457, Sept. 30.

Davis, Henry S., East Orange, N. J. Automatic speed-signaling and speed-controlling system for automobiles and other vehicles. 2,594,739, Apr. 29.

Davis, Herbert C., Bronxville, N. Y., assignor to The McBee Company, Athens, Ohio. Spread sheet. 2,606,040, Aug. 5.

Davis, Herbert L., Walpole, Mass., assignor to The B F. Goodrich Company, New York, N. Y. Apparatus for coating strip material. 2,588,967, Mar. 11.

Davis, Howard A.: *See*—
Klist, Carl E., Davis, and Wolff.
Wolff, Ivan A., Davis, Cluskey, and Gundrum.

Davis, Howell F., Wickliffe, E. A. Southam, and F. Crossman, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Trimming device for stock for loom reed dents. 2,598,513, May 27.

Davis, Hugh, Windsor, Ontario, Canada. Tackle retriever. 2,609,632, Sept. 9.

Davis, Hugh H., assignor to J. P. Seeburg Corporation, Chicago, Ill. Magnetic recording apparatus. 2,610,808, Sept. 16.

Davis, Hyman B., Jackson Heights, assignor to The Lummus Company, New York, N. Y. Purification of oils by clay contacting. 2,594,880, Apr. 29.

Davis, Jack C., Charleston, W. Va. Apparatus for making structural elements for buildings. 2,613,423, Oct. 14.

Davis, Jake J., Seminole, Tex. Well fishing tool. 2,617,486, Nov. 11.

Davis, James B., Jr., Rockville, Md. Liquid fuel meter. 2,587,701, Mar. 4.

Davis, James L., Le Roy, Minn. Milking machine teat cup assembly. 2,612,136, Sept. 30.

Davis, James N., Crystal Lake, Ill. Radio control device. 2,613,548, Oct. 14.

Davis, James N., Elmont, N. Y., assignor to Sylvania Electric Products Inc. Deferred-action battery. 2,594,879, Apr. 29.

Davis, James R.: *See*—
Bartlett, James L., and Davis.

Davis, John J., Lacombe, La. Hermetically sealed compressor and vacuum system. 2,591,238, Apr. 1.

Davis, John K., East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Two element photographic lens system. 2,586,418, Feb. 19.

Davis, John L.: *See*—
Taylor, William J., Worsham, and Davis.

Davis, John L., Ann Arbor, Mich. Bonding apparatus. 2,598,363, May 27.

Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Anode shifting device. 2,588,910, Mar. 11.

Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Work-immersion machine with selected delayed immersion. 2,591,681, Apr. 8.

Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Work-immersion machine with vertically and laterally movable rail section. 2,591,682, Apr. 8.

Davis, Joseph C., Scarsdale, N. Y., R. T. K. Cornwell, and E. L. Hansen, Fredericksburg, Va., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Package combined with sterilization indicator. 2,606,654, Aug. 12.

Davis, Kenneth J., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing machine. 2,612,080, Sept. 30.

Davis, Kenneth M., Washington, D. C. Paper-handling machinery. 2,617,647, Nov. 11.

Davis, Kenneth V., San Francisco, Calif. Arithmetic fraction trainer. 2,611,193, Sept. 23.

Davis, Laura A., executrix: *See*—
Davis, Cortland W., and Switack.

Davis, Lawrence E.: *See*—
Bilhartz, Harrell L., Greenwell, and Davis.

Davis, Leland L., Stilwell, Kans. Dividing, generating, and transforming direct current voltages. 2,607,815, Aug. 19.

Davis, Le Roy M., Glen Ellyn, Ill. Hydraulic equalizer. 2,617,555, Nov. 11.

Davis, Lewis H., Wayne, Pa., and G. H. Blaker, Moorestown, N. J., assignors to Radio Corporation of America. Adjustable Schmidt television projector mounting. 2,585,746, Feb. 12.

Davis, Lou, Moncton, New Brunswick, Canada. Plumbing trap and the like. 2,593,734, Apr. 22.

Davis, Louis F.: *See*—
Staggs, Horace M., and Davis.

Davis, Louis F., H. N. Stansbury, Jr., and M. O. Crumbaker, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Hydraulic pumping system for producing from overlying reservoirs. 2,605,712, Aug. 5.

Davis, Marion H., Hagerstown, Ind. V groove pulley centrifugal clutch. 2,612,054, Sept. 30.

Davis, Marion H., Hagerstown, Ind. Power transmission and centrifugal clutch. 2,623,400, Dec. 30.

Davis, Maurice F.: *See*—
Morse, Philip W., and Davis.

Davis, Merlin, Milton, Pa. Electronic musical instrument. 2,601,265, June 24.

Davis, Neuman T., Plainview, Tex. Disappearing table for automobile instrument panels. 2,588,706, Mar. 11.

Davis, Oliver F., and H. Nack, Troy, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Plating carrier particles with a catalytic metal. 2,599,978, June 10.

Davis, Oliver F., Troy, and H. G. Belitz, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Gas plating. 2,619,433, Nov. 25.

Davis, Patrick H., assignor to Clanmpion Dish Washing Machine Company, Erie, Pa. Tilting device for tableware used in conjunction with the conveying belt of a dishwashing machine. 2,611,381, Sept. 23.

Davis, Paul B.: *See*—
Noel, Edward B., and Davis.

Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt chloride humidity indicator. 2,580,737, Jan. 1.

Davis, Philip B., Greenland, N. H. Ventilating and heating system. 2,610,567, Sept. 16.

Davis, Ray B., Newton Center, assignor, by mesne assignments, to Davco Incorporated, Boston, Mass. Orchard heater. 2,595,773, May 6.

Davis, Richard C., Great Neck, N. Y., E. J. Fogarty, Rutherford, N. J., and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft crew. 2,584,261, Feb. 5.

Davis, Robert E.: *See*—
Lark-Horovitz, Karl, Benzer, and Davis.

Davis, Robert O., assignor to Gene Olsen Corporation, Adrian, Mich. Concrete products molding machine. 2,581,579, Jan. 8.

Davis, Robert O., assignor to Stearns Manufacturing Company, Adrian, Mich. Apparatus for oiling and cleaning pallets. 2,614,525, Oct. 21.

Davis, Roy, Overland, Mo. Container perforator. 2,581,469, Jan. 8.

Davis, Roy H., Fonthill, assignor to Atlas Steels Limited, Welland, Ontario, Canada. Apparatus for casehardening drill rods. 2,591,339, Apr. 1.

Davis, Roy P. M., Bonsall, Calif., assignor, by mesne assignments, to Cutter Corporation. Haircutting comb. Re. 23,505, May 27.

Davis, Roy P. M., and N. Shaeffer, Los Angeles, Calif., assignors, by mesne assignments, to Cutter Corporation. Hair trimming device. 2,589,230, Mar. 18.

Davis, Russell S.: *See*—
Platx, Elwood T., and Davis.

Davis, Samuel: *See*—
Bruns, William H., and Davis.

Davis, Sander A.: *See*—
McLean, Colin C., and Davis.

Davis, Walter C., Tredyffrin Township, Chester County, Pa., assignor to The Sharples Corporation. Treating whale gluewater. 2,598,038, May 27.

Davis, Walter C., Tredyffrin Township, Chester County, Pa., assignor to The Sharples Corporation. Recovery of oil and meal from oil-bearing marine life. 2,614,110, Oct. 14.

Davis, Walter E., Cumberland, Md., assignor to Celanese Corporation of America. Fugitive tint for cellulose acetate. 2,590,236, Mar. 25.

Davis, Wayne K., Berkeley, Calif. Building construction. 2,581,521, Jan. 8.

Davis, Wayne K., Berkeley, Calif. Heat actuated container mounted pump. 2,618,412, Nov. 18.

Davis, Wells L.: *See*—
Marco, Salvatore M., and Davis.

Davis, Wilfred O., Cricklewood, London, assignor to S. Smith & Sons (England) Limited, London, England. Float drive mechanism for liquid level indicators. 2,586,619, Feb. 19.

Davis, William A.: *See*—
Forsyth, Will A., and Davis.

Davis, William E., Chicago, Ill. Corner fitting for knockdown structures. 2,590,159, Mar. 25.

Davis, William E., Houston, Tex. Variable output refrigeration system. 2,603,954, July 22.

Davis, William H., III: *See*—
Olson, Arthur R., McMillan, and Davis.

Davis, William H. H., and F. V. Schleimer, San Francisco, Calif., said Schleimer assignor to Duart Manufacturing Co., Ltd. Hair curling device. 2,593,544, Apr. 22.

Davis, William H. H., and F. V. Schleimer, San Francisco, Calif., said Schleimer assignor to Duart Manufacturing Co., Ltd. Hair curling device. 2,595,645, May 6.

Davis, William L., Fort Bragg, Calif. Ventilated wall. 2,587,702, Mar. 4.

Davis, William L., Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y. Liquid adhesive applicator and control apparatus therefor. 2,599,374, June 3.

Davis, Wilmer O., R. Roseman, and B. W. Allan, Baltimore, and R. W. Neptune, Dundalk, Md., assignors to The Glidden Company, Cleveland, Ohio. Iron-free titanium arsenate and making same. 2,615,789, Oct. 28.

Davison, Albert E., Dearborn, Mich. Automatic feeding device. 2,614,315, Oct. 21.

Davison Chemical Corporation, The, assignee: *See*—
Campbell, Clifford C.
Davis, Paul B.
Riley, Joseph R.

Davison, Clarence M.: *See*—
Albrecht, Frits, Davison, and Lambdin.
Schulze, Richard B., Hessler, Davison, and Winter.

D'Avitaya, Raymond F. A. V., Marseille, France. Film gate for motion-picture projectors. 2,598,364, May 27.

D'Avitaya, Raymond F. A. V., Marseille, France. Apparatus for multiple copying of cinematographical films. 2,600,489, June 17.

Davol Rubber Company, assignee: *See*—
Clemens, John A.
Young, James A.

Davos Products Company, assignee: *See*—
Denzler, Berthold.

Davoust, Marshall A., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Clutch and brake for power presses. 2,606,637, Aug. 12.

Davy, Christopher H., and T. B. Webb, London, England, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Gas turbine plant using solid ash-containing fuel. 2,616,256, Nov. 4.

Davy and United Engineering Company Limited, assignee: *See*—
Russell, Robert G.

Dawant, A., assignee: *See*—
Elias, Kurt.

Dawbarn, Waring L., Winchester, assignor to Arthur D. Little, Inc., Cambridge, Mass. Rotary seal for furnace tops. 2,613,826, Oct. 14.

Dawe's Products Company, assignee: *See*—
Freed, Myer.

Dawkins, Henry E., and S. T. Dodin, New York, N. Y. Portable back rest. 2,612,938, Oct. 7.

Dawson, Clifford F., Wallingford, Vt. Worm simulating toy. 2,596,216, May 13.

Dawson, Edward, New York, N. Y., assignor to The Sperry Corporation. Automatic reversing mechanism. 2,593,416, Apr. 22.

Dawson, Edward, New York, assignor to The Sperry Corporation, Great Neck, N. Y. Component resolver. 2,602,587, July 8.

Dawson, Edward S., Jr., Scotia, N. Y., assignor to General Electric Company. Temperature detector and lead assembly construction. 2,619,573, Nov. 25.

Dawson, Fred C., Canton, Mass. Heat exchanger. 2,602,877, July 8.

Dawson, Harold, and R. H. Valley, Pawtucket, R. I., assignors, by mesne assignments, to Whitin Machine Works. Roll tension mechanism for drawing frames. 2,618,026, Nov. 18.

Dawson, Harrold S.: *See*—
Keller, Ray B., and Dawson.

Dawson, Harvey B., El Monte, Calif. Vehicle transport unit. 2,598,113, May 27.

Dawson, Jasper F., Butte, Mont. Combined tool for saw teeth. 2,623,415, Dec. 30.

Dawson, Jasper F., Butte, Mont. Saw blade having detachable forked sprung teeth. 2,623,553, Dec. 30.

Dawson, John H., Rockville, Md. Chopping block or knife anvil. 2,580,526, Jan. 1.

Dawson, John W.: *See*—
Croxall, Willard J., and Dawson.

Dawson, John W., Palo Alto, Calif., assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,609,497, Sept. 2.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillation generator. 2,598,232, May 27.

Dawson, John W., Huntsville, Ala., and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Pentachlorodimethoxymethanotetrahydroindene. 2,588,215, Mar. 4.

Dawson, Joseph C., Ferguson, Mo. Fumigating with ethylene bromide and methyl bromide. 2,606,857, Aug. 12.

Dawson, Oliver H. P., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for limiting the degree of subatmospheric pressures. 2,588,214, Mar. 4.

Dawson, Reginald D., Compton, assignor to Shell Development Company, San Francisco, Calif. Oil-base fluid for drilling wells. 2,588,808, Mar. 11.

Dawson, Robert H., Longview, Wash. Baby's play pen. 2,587,120, Feb. 26.

Day, Allan G. and D. F., North Tonawanda, N. Y. Infant restraining harness. 2,619,958, Dec. 2.

Day-Brite Lighting, Inc., assignee: *See*—
Graves, Charles R.

Day, Carl L., and L. F. Pahl, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Mixing apparatus and method. 2,596,987, May 20.

Day, Charles H., deceased, Paris, Ky.; C. H. Day, Jr., administrator. Trailer truck for hay and straw balers. 2,605,915, Aug. 5.

Day, Charles H., Jr., administrator: *See*—
Day, Charles H.

Day Company, The, assignee: *See*—
Osgood, Arthur B.

Day, Donald R.: *See*—
Partch, John G., Day, and Scovill.

Day, Dorothy F.: *See*—
Day, Allan G. and D. F.

Day, Everett E., Andover, assignor to The Bolta Company, Lawrence, Mass. Molded stop mechanism for sliding clasp fasteners. 2,599,165, June 3.

Day, Hobart M., and G. H. Urban, Wausau, Wis. Building construction. 2,602,526, July 8.

Day, Hugh I. and I. L., assignors to A. P. and F. H. Robert, jointly, doing business as Atlanta Textile Machinery Company, Atlanta, Ga. Bearing assembly. 2,581,240, Jan. 1.

Day, Iverson L.: *See*—
Day, Hugh I. and I. L.

Day, Luther V., Gosport, Ind., assignor to National Tool and Die Company, Inc., Louisville, Ky. Emergency tire truck. 2,607,607, Aug. 19.

Day, Luther V., Gosport, Ind., assignor to National Tool and Die Company, Inc., Louisville, Ky. Flat tire dolly. 2,608,312, Aug. 26.

Day, Maurice J., Oak Park, Ill., and G. D. Rahrer, Gary, Ind., assignors to United States Steel Company. Making low-alloy steel. 2,585,372, Feb. 12.

Day, Merton B., Warren, Mass. Box-type wrench having spring-closed head segments. 2,591,788, Apr. 8.

Day, Norman W., assignee: *See*—
Mallard, James N.

Day, Richard F., Chicago, Ill. Tilting apparatus. 2,588,489, Mar. 11.

Day, Thurman L., Indianapolis, Ind. Portable extension light shield with clamp. 2,608,643, Aug. 26.

Dayan, Maurice S., New York, N. Y. Apparatus for mercerizing cloth. 2,597,572, May 20.

Dayger, Jonas E., Binghamton, O. B. Shafer, Owego, E. R. Wooding, Johnson City, J. M. Sarley, Binghamton, and J. V. Williams, Jr., Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Record controlled machine combination. 2,615,629, Oct. 28.

Dayle, Elias G., Boston, Mass. Spanner tool to remove covers from articles. 2,592,251, Apr. 8.

Daystrom Corporation, assignee: *See*—
Kaufman, Hans J.

Daystrom Electric Corporation, assignee: *See*—
Nygaard, Herman.

Dayton, Carl S.: *See*—
Worst, Joseph C., and Dayton.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Hydraulic press operator with automatic speed regulation. 2,591,410, Apr. 1.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Shoe actuating means for automatic flatplate ironers. 2,599,238, June 3.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Brush belt removing means for vacuum cleaners. 2,616,115, Nov. 4.

Dayton, Charles F., assignee: *See*—
Lindgren, Edward C.

Dayton, Ervis B., and A. P. Swem, Indianapolis, Ind. Fishhook holder. 2,584,430, Feb. 5.

Dayton Malleable Iron Company, The, assignee: *See*—
Crome, Lester C.

Dayton Pump & Manufacturing Company, The, assignee: *See*—
Purcell, Howard F., and Butler.
Von Rotz, Robert.
Wolfe, H. Hix.
Wolfe, H. Hix, and Haas.

Dayton Pump and Mfg. Company, The, assignee: *See*—
Eickmeyer, Earl E., and Wolfe.

Dayton Rubber Company, The, assignee: *See*—
Bacon, Henry M.
Bacon, Henry M., and Rockoff.
Freedlander, Abraham L.
Luaces, Enrique L., and Crosby.
Rockoff, Joseph.
Schmidt, Erwin J.
Talalliy, Joseph A.
Waugh, Dale L.

Dayton, Russell W.: *See*—
Allen, Charles M., and Dayton.

Dayton Steel Foundry Company, The, assignee: *See*—
Fitch, Edmund L.

Dayton Taximeter Co., The, assignee: *See*—
Miller, Ralph A.
Rhoads, Chester A., and Hubbard.

Dayton, Theodore S., Portland, Oreg. Combination gun sight and range finder. 2,583,042, Jan. 22.

Dazzi, Joachim: *See*—
Gluesenkamp, Earl W., and Dazzi.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) octadecenoates. 2,581,005, Jan. 1.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) undecylenates. 2,581,006, Jan. 1.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. N,N-di(β-carboalkoxyalkyl) alkylbenzene sulfonamides and their use as polyvinyl chloride plasticizers. 2,591,518, Apr. 1.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing adducts. 2,598,634, May 27.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing adducts. 2,598,635, May 27.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized vinyl chloride polymer. 2,598,636, May 27.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride resins plasticized with esters of phenyl phenoxy acetic acid. 2,603,615, July 15.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Dialkyl bisphenoxy acetate plasticized polyvinyl chloride compositions. 2,603,619, July 15.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Cyanoethyl ether of S-(2-phenethyl)-2-mercaptoethanol. 2,617,819, Nov. 11.

D'Azzo, Errol P., New York, N. Y. Awning supporting plate and adjustable wall bracket. 2,596,658, May 13.

De Directie van de Staatsmijnen in Limburg, assignee: *See*—
De Bruijn, Paulus H.
Fontein, Freerk J.
Haringhuizen, Pieter J.
Plusje, Mathijs H. R. J.
Terpstra, Johannes.

De Directie van de Staatsmijnen in Limburg, handelend voor en namens den Staat der Nederlanden, assignee: *See*—
Van der Molen, Arie P.
Van Loon, Willem.

De Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, assignee: *See*—
Wiechers, Sybrandus G.

De Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, assignee: *See*—
Wiechers, Sybrandus G.

De Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer, assignee: *See*—
Germans, Fedde H.
Vermeiden, Johannes.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector switch brush. 2,591,683, Apr. 8.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electrical contact. 2,591,684, Apr. 8.

Deakin, Stanley T., Elwell West, assignor to British Mechanical Productions Limited, London, England. Production of molded articles from polytetrafluoroethylene. 2,602,962, July 15.

Deal, Daniel C., Waycross, Ga. Peanut harvesting machine. 2,620,616, Dec. 9.

Dean, Albert G.: *See*—
Dean, Walter B. and A. G.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. End underframe for railway cars. 2,589,996, Mar. 18.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Panel joint support. 2,591,654, Apr. 1.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Cover panels for vehicles, especially railway cars. 2,592,545, Apr. 15.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Fastener for sliding closures. 2,599,511, June 3.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Closure and frame construction. 2,613,406, Oct. 14.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Weather seal for closures. 2,613,617, Oct. 14.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Body for land vehicles, especially railway cars, and its assembly. 2,619,045, Nov. 25.

Dean, Albert G., Narberth, and W. H. Chandlee, Jr., South Hampton, assignors to The Budd Company, Philadelphia, Pa. Seat-table unit. 2,604,930, July 29.

Dean, Charles A., Los Angeles, Calif. Fishing tool. 2,593,994, Apr. 22.

Dean, Charles O., Uniontown, assignor of one-third to L. W. Secoy, Point Marion, Pa. Spinning reel. 2,614,767, Oct. 21.

Dean, Charles W.: *See*—
Weiss, Clarence B., and Dean.

Dean, Dion K., Rahway, N. J., and F. B. White, Elmhurst, assignors to Foster Wheeler Corporation, New York, N. Y. Method and apparatus for stripping volatiles from fluids. 2,615,833, Oct. 28.

Dean, George A., New York, N. Y. Electric fan. 2,582,532, Jan. 15.

Dean, George A., Radburn, N. J., assignor to Benson Manufacturing Company, Kansas City, Mo. Axial flow fan and compressor. 2,595,829, May 6.

Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Fan for aircraft propeller spinners. 2,607,430, Aug. 19.

Dean, George R., Riverside, and R. E. Pyle, Bedford Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Preparation of methyl glucoside. 2,606,186, Aug. 5.

Dean, Gilbert O., Little Rock, Ark. Suture holder. 2,583,043, Jan. 22.

Dean, Harold R., Bird Island, Minn. Mower and windrower. 2,582,108, Jan. 8.

Dean, James C., Plaquemine, La. Rudder construction for vessels. 2,601,837, July 1.

Dean, Joseph P.: *See*—
Lubcke, Harry R., and Dean.

Dean, Kenneth W.: *See*—
Luhn, Hans P., Ambrosio, and Dean.

Dean, Raymond M.: *See*—
Schneider, Nicholas M., and Dean.

Dean, Reginald S., assignee: *See*—
Fox, Abraham L.

Dean, Reginald S., Washington, D. C., assignor to Chicago Development Corporation, Riverdale, Md. Electrode for electrical systems. 2,605,297, July 29.

Dean, Reginald S., Washington, D. C. Aqueous solutions containing manganese in a complex ion and making the same and making manganese compounds therefrom. 2,608,463, Aug. 26.

Dean, Reginald S., and A. L. Fox, Washington, D. C.; said Fox assignor to said Dean. Treatment of manganese ores for the recovery of manganese as manganese carbonate. 2,621,107, Dec. 9.

Dean, Robert M., Auburn, N. Y. Nursing bottle holder. 2,590,383, Mar. 25.

Dean, Ronald A.: *See*—
Birch, Stanley F., Fidler, and Dean.

Dean Rubber Manufacturing Company, assignee: *See*—
Fry, Charles H.

Dean, Walter, assignor of one-half to H. Richard, Winnipeg, Manitoba, Canada. Wire rack. 2,622,758, Dec. 23.

Dean, Walter B. and A. G., Narberth, assignors to The Budd Company, Philadelphia, Pa. Railway car. 2,589,997, Mar. 18.

Dean, Walter E.: *See*—
Barker, Frank, and Dean.

Dean, Walter K., Ferguson, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Aluminum soaps. 2,620,345, Dec. 2.

Dean, Walter N.: *See*—
Johnstone, Charles W., and Dean.

Dean, Walter N., Larchmont, N. Y., assignor to United States of America as represented by the Secretary of the Navy. Ranging and identification system. 2,615,157, Oct. 21.

Deane, Cecil F., Wichita, Kans. Depth gauge for drill presses. 2,584,676, Feb. 5.

Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Separation of a Schiff's base from the condensation product of a primary amine with a carbonyl compound. 2,583,729, Jan. 29.

Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Cracking heavy oils in presence of oxygen. 2,587,703, Mar. 4.

Deanesly, Richard M., Hinsdale, and C. H. Watkins, Brookfield, assignors to Universal Oil Products Company, Chicago, Ill. Recuperative autothermic reactor. 2,622,969, Dec. 23.

De Anguera, Philip, Cincinnati, Ohio. Grappling device. 2,621,069, Dec. 9.

Deans, Frederick E., and C. H. Wainwright, assignors to The Bentley Engineering Company Limited, Leicester, England. Knitting machine for wrap striping. 2,612,032, Sept. 30

Dearborn Chemical Company, assignee: *See*—
Gunderson, Lewis O.
Odell, Louis E.

Dearborn Glass Company, assignee: *See*—
Glistrap, Vernon M., and Falls.

Dearborn Motors Corporation, assignee: *See*—
Altgelt, Rudolph J.
Bartling, Loren E.
Erwin, Robert L.
Frevik, Ralph C.
Richey, Clarence B.
Sands, Earl E.
Schaich, Wilbur A.
Smith, Norman S.
Spedding, Raymond T.

Dearborn Stove Company, assignee: *See*—
Shapiro, Eli.

Deardorff, Clinton E., San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Sequence valve for hydraulic power. 2,598,233, May 27.

Deardorff, Clinton E., San Fernando, and W. E. Elder, Sherman Oaks, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulically reinforced spring seat support. 2,587,121, Feb. 26.

Deardorff, Clinton E., San Fernando, and A. A. Meddock, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic motor and valve assembly. 2,615,428, Oct. 28.

Deardorff, Clinton E., San Fernando, and A. A. Meddock, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic control unit. 2,615,433, Oct. 28.

Dearing, William C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Formaldehyde-urea adhesives and coating compounds. 2,612,483, Sept. 30.

Dearing, William C., Pittsburgh, Pa., and A. M. Howald, Perrysburg, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of stable thermosetting compositions. 2,623,029, Dec. 23.

Dearing, William C., Troy, N. Y., and A. M. Howald, Perrysburg, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of stable thermosetting compositions. 2,623,025, Dec. 23.

De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio Individual magnet adjustable pickup. 2,612,072, Sept. 30.

De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Individual magnet with adjustable sleeve pickup device. 2,612,541, Sept. 30

Dearsley, Irwin E., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Expansible wall receptacle. 2,584,431, Feb. 5.

Dearth, Ronald E., Lima, Ohio. Automatic auxiliary tuning device. 2,603,119, July 15.

De Back, William, and F. H. Luhdorff, San Jose, assignors to Pacific Machinery Company, San Francisco, Calif. Peach pitting head. 2,581,785, Jan. 8.

De Back, William, and S. Puccinelli, San Jose, and R. A. McCloud, San Lorenzo, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Fruit coring machine. 2,614,595, Oct. 21.

De Bairos, Manuel, Caruthers, Calif. Lift type draft unit. 2,611,302, Sept. 23.

De Barbe, Joseph R., Santa Rosa, Calif. Combination hinge and latch means for gates or the like. 2,593,545, Apr. 22.

De Bartholomaeis, Ettore, Milan, Italy, and V. De Nora, Zurich, Switzerland; said De Bartholomaeis assignor to said De Nora. Reducing organic compounds by hydrogenation. 2,597,074, May 20.

De Beer, J. & Son, assignee: *See*—
Pneuman, James I., and Foote.

De Beer, Robert H.: *See*—
Reijnst, Maximilien F., and de Beer.

De Bell, Ernest A., Wroughton, England, assignor, by mesne assignments, to P. R. Mallory & Company, Incorporated, Indianapolis, Ind. Potentiometer or resistor element. 2,606,985, Aug. 12.

De Bell & Richardson, Inc., assignee: *See*—
Nickerson, Mortimer H.
Richardson, Harry M., and Larson.

De Benedetto, A. L., assignee: *See*—
Stogermayr, Fred.

De Benedictis, Aldo: *See*—
Luten, Daniel B., Jr., and De Benedictis.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Nonionic surface-active agents. 2,596,091, May 13.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Bis alkylbenzyl ethers of polyethylene glycols. 2,596,092, May 13.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Surface-active polyglycol ethers. 2,596,093, May 13.

De Benneville, Peter L., and J. S. Strong, assignors to Rohm & Haas Company, Philadelphia, Pa. N-substituted-2,5-dimethyl-2,5-dicyanopyrrolidines. 2,580,738, Jan. 1.

De Bettencourt, Joseph T., Chestnut Hill, assignor to Raytheon Manufacturing Company, Newton, Mass. Radio angle reception meter. 2,606,319, Aug. 5.

De Beurs, Johannes, Utrecht, Netherlands. Propeller guard. 2,617,379, Nov. 11.

De Beurs, Pieter H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multianode cathode-ray tube circuit having a rapid flyback action. 2,617,074, Nov. 4.

Debo, Delmer G., assignor to Standard Oil Company, Chicago, Ill. Tangential cylinder valve. 2,587,704, Mar. 4.

De Boer, Carl J., Perth Amboy, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of diagnostic antigens. 2,598,659, June 3.

De Boer, Floris: *See*—
Bruining, Hajo, de Boer, and Schagen.

De Boer, Floris, H. Bruining, and P. Schagen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Television transmitting tube. 2,617,058, Nov. 4.

De Boer, Kornelis, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stereophonic reproduction apparatus. 2,610,694, Sept. 16.

De Boer, Petrus A., Amsterdam, Netherlands. Arrangement for automatically changing phonograph records. 2,620,194, Dec. 2.

De Bogart, Orval V., Seattle, Wash. High-speed boring machine. 2,599,155, June 3.

De Boisblanc, Deslonde R.: *See*—
Henneman, Clarence O., and de Boisblanc.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Leak compensated capacitor. 2,591,053, Apr. 1.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Multiple mixing circuit for electronic detonation pickups. 2,607,215, Aug. 19.

De Boisblanc, Deslonde R., and R. S. Marsden, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Electrical measuring instrument. 2,602,838, July 8.

De Boisblanc, Deslonde R., Bartlesville, and L. M. Oberlin, Dewey, Okla., assignors to Phillips Petroleum Company. Apparatus for measuring liquid levels. 2,622,442, Dec. 23.

Debonair, Inc., assignee: *See*—
Renz, Emil K.

De Bow, Ernest G., and H. S. Golland, Cleveland, Ohio. Multicolored electric flashlight. 2,623,934, Dec. 30.

De Brabander, Camiel, Newport, assignor to American Viscose Corporation, Wilmington, Del. Storage bin control. 2,618,395, Nov. 18.

De Brey, Heinrich: *See*—
Rinia, Herre, and de Brey.
Rinia, Herre, de Brey, and van Heeckeren.
Van Weenen, Franciscus L., and de Brey.

De Brey, Heinrich, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., trustee. Thermostatic fuel valve control for hot-gas engine heaters. 2,596,012, May 6.

De Brey, Heinrich, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas reciprocating engine of the kind comprising one or more closed cycles. 2,616,249, Nov. 4.

De Brey, Heinrich, and F. L. van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot gas reciprocating engine comprising a device for varying the amount of working medium in such engines. 2,611,237, Sept. 23.

De Brey, Heinrich, and F. L. van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas reciprocating engine. 2,616,248, Nov. 4.

Debrie, André V. L. C., Paris, France. Driving mechanism for sound picture systems. 2,588,490, Mar. 11.

Debrie, Andre V. L. C., Paris, France. Support for motion-picture apparatus and the like. 2,594,404, Apr. 29.

Debrie, André V. L. C., Paris, France. Balanced mechanism for driving films. 2,619,006, Nov. 25.

De Brito, João V., Faro, Portugal. Hypodermic syringe. 2,606,556, Aug. 12.

De Bruijn, Paulus H., Geleen, assignor to De Directie Van De Staatsmijnen In Limburg, Heerlen, Netherlands. Separation of anthracene, phenanthrene, and carbazole. 2,622,087, Dec. 16.

De Bruin, Milton H., Washington, D. C. Engine accessory. 2,604,309, July 22.

De Bruyne, Emil A., Elmwood Park, assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Resistance thermometer. 2,612,780, Oct. 7.

Debs, Victor, New York, N. Y. Combination compass and ellipsograph. 2,607,118, Aug. 19.

Debski, Theodore F., Brooklyn, N. Y. Knockdown chair. 2,617,476, Nov. 11.

De Burgh, Albert R., Redondo Beach, Calif. Conveying apparatus. 2,609,915, Sept. 9.

De Carli, Earl V.: *See*—
Light, John S., and De Carli.

De Carli, Earl V., Ellington, Conn., assignor to General Electric Company. Wringer drive gear mechanism. 2,599,239, June 3.

De-Caser, Company, assignee: *See*—
Taylor, Frank E.

Decatur Pump Company, assignee: *See*—
Burks, Arthur W.

Decca Record Company, Limited, The, assignee: *See*—
Copping, John B.
O'Brien, William J.
Schwarz, Harvey F., and O'Brien.
Umpleby, Kenneth F.

December, Domenick, Brooklyn, N. Y. Securing means for umbrella tops. 2,582,749, Jan. 15.

Decepoli, Carmine, Belleville, N. J. Shuffleboard weight. 2,600,856, June 17.

De Cesaris, Fred, Johnston, R. I. Rotary motion converted into reciprocating motion. 2,581,241, Jan. 1.

De Cesaris, Frederick, Johnston, R. I., assignor to James Manufacturing Co., Inc. Compass. 2,582,585, Jan. 15.

Dechar, Edouard, New York, N. Y. Container holder and handle. 2,605,945, Aug. 5.

Dechert, George W., Chicago, Ill. Writing pad for temporary notations. 2,596,890, May 13.

Deck, Philibert, Zurich, Switzerland. Tenter clip. 2,589,060, Mar. 11.
Deck, Philibert, Zurich, Switzerland. Drying machine for fabric and paper webs. 2,621,422, Dec. 16.
Decker, Alonzo G., Jr.: *See*—
Riley, Robert H., Jr., and Decker.
Decker, Charles A., and P. S. Scaturro, Jersey City, N. J., assignors to Arvey Corporation, Chicago, Ill. Collapsible step display stand. 2,584,849, Feb. 5.
Decker, David A., Fairfield, Conn., assignor to The McBee Company, Athens,Ohio. Film registering and mounting device. 2,591,519, Apr. 1.
Decker, Robert W.: *See*—
Sanner, Weldon E., and Decker.
Decker, Taylor E., assignee: *See*—
Spickler, Joseph G.
Decker, Troy H., Hildebran, assignor of one-half to A. B. Vinay, Valdese, N. C. Safety stop attachment for full-fashioned hosiery machines. 2,585,633, Feb. 12.
Deckert, Danvers O. C. and H. C., University City, Mo. Outdoor lantern for long-burning candles. 2,606,279, Aug. 5.
Deckert, Harry C.: *See*—
Deckert, Danvers O. C. and H. C.
Deckert, Oscar R.: *See*—
Witter, Lawrie L., and Deckert.
De Corlieu, Louis M., Paris, France. Crawl-fins. 2,588,363, Mar. 11.
De Coste, Fredrik, New York, N. Y. Bookrest. 2,592,252, Apr. 8.
Decot, Harold T.: *See*—
Carlson, David J., and Decot.
De Coudres, Robert A., Millington, and C. S. Myers, Fanwood, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Adhesive compositions and bonding polyethylene using same. 2,622,056, Dec. 16.
De Coux, Merl, San Mateo, Calif. Sinker. 2,604,719, July 29.
DeCraene, Edmond P., Westchester, and E. G. Schmidt, Western Springs, assignors to Crane Co., Chicago, Ill. Permanent magnet operated valve. 2,589,188, Mar. 11.
De Dell, Harry J., Jr., Syracuse, N. Y. Card tag. 2,605,566, Aug. 5.
Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Centrifugal actuator. 2,595,930, May 6.
De Dionigi, Luigi, Rome, Italy. Automatic hydraulic speed change mechanism. 2,592,015, Apr. 8.
Dedman, Eber J., Shreveport, La. Egg crate lid. 2,592,869, Apr. 15.
Dee, Alene B., Chicago, Ill. Finger shield device. 2,580,893, Jan. 1.
Dee, Harley V., assignee: *See*—
Giorgi, Adelmo.
Deely, Carroll L., Dallas, Tex. Fishing tool. 2,606,620, Aug. 12.
Deen, Levi, Alma, Ga. Mattress carrier and support. 2,584,792, Feb. 5.
De Encico y Carnerero, Fernando, Madrid, Spain. Double siphon. 2,612,903, Oct. 7.
Deere & Company, assignee: *See*—
Altgelt, Herman E.
Anderson, Ralph L.
Beldin, Royal L.
Bergsten, Milford A., and Cade.
Berry, Jack H.
Bjerkan, Arthur J.
Colvin, Nolan D.
Coultas, Wilbur J.
Coultas, Wilbur J., Colvin, and Palmer.
Coultas, Wilbur J., and Dort.
Court, Frank T.
Edwards, Curtis V.
Johnson, Theodore W.
Lindeman, Jesse G.
Lindeman, Jesse G., Heinl, Krehbiel, and Durland.
Love, Malilon L.
Morrison, Charles S.
Neighbour, Leonard B.
Neighbour, Leonard B., and Lance.
Oehler, Alvin W.
Oehler, William P.
Oehler, William P., and Youngberg.
Oerman, Orey W.
Paradise, Louis A.
Paradise, Louis A., and Berry.
Paul, Talbert W.
Roscoe, Merrill W., and Beldin.
Scholfield, Keith R.
Silver, Walter H., and Cantral.
Silver, Walter H., and Cox.
Silver, Walter H., and Lohrman.
Silver, Walter H., and Oerman.
Steffens, Otto A.
Strandlund, Carl G.
Stueland, Harold M.
Thomann, Fred A.
Walz, Claude W., and Clausen.
Wangelin, Donald A.
White, Charles H.
White, Charles H., and Oehler.
Young, William A., and Miller.
Youngberg, Charles H.
Deere, John, Killefer, Company, assignee: *See*—
Frank, William R.
Frank, William R., and Crosson.
Deere, John, Van Brunt Company, assignee: *See*—
Borngraeber, Royce R.
Hyland, William A., and Borngraeber.
Starr, John H.
Deere Manufacturing Co., assignee: *See*—
Andrews, Norman F.
Fletcher, Edward H.
Fletcher, Edward H., and Ethington.
Fletcher, Edward H., Hanson, and Nakae.
Hanson, Paul L.
Heinje, Robert F.
Hill, George B.
Hill, George B., and Cheatum.
Hill, George B., and West.
Jirsa, Emil F.
Jirsa, Emil F., Hansen, and Bopp.
McClellan, Marcus E.
McClellan, Marcus E., and Cheatum.
McClellan, Marcus E., Cheatum, and Hill.
Nordenson, Willard H.
Rich, Barrett G.
Skromme, Arnold B.
Slavens, Wayne E.
Worthington, Wayne H.
Deering, Edna L., assignee: *See*—
Deering, Thomas J.
Deering, Forrest F., assignor to The H. C. Godman Company, Columbus, Ohio. Tape wetting machine. 2,581,638, Jan. 8.
Deering Milliken Research Trust, assignee: *See*—
Anderson, Wilmer C.
Bolinger, Edgar D., and Berner.
Brink, Robert M.
Hare, Donald G. C.
Klein, Norman E.
May, John W.
McCullough, Robert W., and Hanyen.
Meyer, Peter W., and Riola.
Strother, Fred P.
Deering, Roland F.: *See*—
Doumani, Thomas F., and Deering.
Deering, Roland F., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Olefin hydration. 2,583,359, Jan. 22.
Deering, Thomas J., Cincinnati, Ohio, assignor of forty per cent to C. P. Huesgen, ten per cent to G. E. Huesgen, Grosse Point Farms, Mich., and ten per cent to E. L. Deering, Cincinnati, Ohio. Casement window mounted air conditioner. 2,610,483, Sept. 16.
De Eugenio, Lewis J., Glassboro, N. J., assignor, by mesne assignments, to The Ride-A-Mower Company, Bridgeport, Conn. Rider steered power lawn mower. 2,620,612, Dec. 9.
Defauw, Marcel, assignee: *See*—
Anseele, Marié.
De Fazi, Fulvio, Bronx, assignor to Webrib Steel Corporation, New York, N. Y. Apparatus for the manufacture of steel reinforcing bar for concrete structures and the like. 2,598,039, May 27.
De Fee, Le Emmette V., assignor to Brown & Bigelow, St. Paul, Minn. Ash tray. 2,582,109, Jan. 8.
Deffenbaugh, Chester S., Miranda, Calif. Toilet paper storage and dispenser. 2,620,991, Dec. 9.
Deffenbaugh, John L., assignor to Caterpillar Tractor Co., Peoria, Ill. Oil bath air cleaner. 2,622,695, Dec. 23.
Defiance Automatic Screw Company, assignee: *See*—
Barton, Jay P.
Defiance Automatic Screw Company, The, assignee: *See*—
Zeller, Robert C.
Defiance Metal Weatherstrip Company, assignee: *See*—
Hans, Glen B.
De Filgué, Wladimir, Paris, France. Electromagnetic relay or contactor. 2,591,520, Apr. 1.
De Florez Company, Inc., The, assignee: *See*—
De Florez, Luis.
De Florez, Peter.
Smith, Edwin K., Jr.
Smith, Edwin K., Jr., and Buckley.
De Florez, Luis, New York, N. Y., assignor, by mesne assignments, to The de Florez Company, Inc. Web perfecting, folding, and cutting machine with endless band printing members. 2,600,215, June 10.
De Florez, Luis, United States Navy, and D. K. Morrison, Arlington, Va. Electrical instruction board. 2,592,552, Apr. 15.
De Florez, Peter, Pomfret, Conn., assignor, by mesne assignments, to The de Florez Company, Inc. Machine for applying adhesive to the binding edges of books. 2,605,739, Aug. 5.
De Forest, Lee, Los Angeles, Calif., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Apparatus for color television. 2,617,875, Nov. 11.
De Forest, Lee, Los Angeles, Calif., and W. A. Rhodes, Phoenix, Ariz. Electronic light amplifier. 2,594,740, Apr. 29.
De Forest, Taber, assignor to Magnaflux Corporation, Chicago, Ill. Flaw detection method and means for carrying out the method. 2,587,705, Mar. 4.

De France, Henri, Lyon, France. Moving picture projection device. 2,582,013, Jan. 8.
De France, Henri G., and H. Ernyei, assignors to Society: "La Radio-Industrie," S. A., Paris, France. Scanning device for television transmitters. 2,582,014, Jan. 8.
De France, Henri G., and H. Ernyei, assignors to "La Radio Industrie" S. A., Paris, France. Amplifier system. 2,589,542, Mar. 18.
De Frees, Joseph H., Warren, Pa. Emergency valve. 2,589,346, Mar. 18.
De Frees, Joseph H., Warren, Pa. Expanding plug for gate valves. 2,596,891, May 13.
De Frees, Joseph H., Warren, Pa. Emergency valve system. 2,600,977, June 17.
De Fremery, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotating radio beacon. 2,596,537, May 13.
Degan, Victor D., Chicago, Ill. Musical instrument apparatus. 2,588,617, Mar. 11.
De Gaugue, Charles L. E.: *See*—
Halstead, Ralph T., de Gaugue and Lombardy.
Degens, Pieter N.: *See*—
Langedijk, Siegfried L., and Degens.
De George, George: *See*—
Di Mauro, Venerando, J., and De George.
De Glalluly, Elie M. S., Paris, France. Multirange tuning circuit. 2,623,995, Dec. 30.
De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube and manufacturing such tubes. 2,591,521, Apr. 1.
De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Braun tube for use in television. 2,608,666, Aug. 26.
De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube. 2,617,060, Nov. 4.
De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ion trap for cathodes. 2,617,061, Nov. 4.
De Gier, Johannes, and J. Peper, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Providing a thin coherent layer to a rough surface in a vessel. 2,616,816, Nov. 4.
Degiorgi, Eduard, Zurich, Switzerland, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrostatic precipitator. 2,588,364, Mar. 11.
Degler, Heinrich: *See*—
Kesselring, Fritz, and Degler.
De Goeij, Henricus J. A., Overveen, assignor, by mesne assignments, to N. V. Exploitatie Maatschappij "Quod Bonum," Amsterdam, Netherlands. Photographic reproduction apparatus with constant exposure time regardless of the scale of reproduction. 2,596,376, May 13.
De Goeij, Henricus J. A., Overveen, and P. Stals, Haarlem, assignors to N. V. Exploitatie Maatschappij "Quod Bonum," Amsterdam, Netherlands. Applying contrasting marks on surfaces, particularly those of plastics. 2,602,025, July 1.
De Goeje, Michael J., Zaandam, Netherlands. Picking of granular products. 2,596,470, May 13.
De Graaf, Maurice, Grand Rapids, Mich. Self-lubricating hinge pin. 2,588,216, Mar. 4.
De Graw, Othel L., assignor to Gibson Refrigerator Company, Greenville, Mich. Combined drip baffle and handle for refrigerator closures. 2,619,806, Dec. 2.
De Grazia, Joseph, Washington, D. C. Hood gathering means. 2,581,366, Jan. 8.
De Green, Hyatt P., East Cleveland, Ohio. Piercer for nipples for bottles. 2,620,428, Dec. 2.
De Groff, Jerald S., Little Genesee, N. Y. Spraying apparatus. 2,597,573, May 20.
De Groff, Kenneth C., South Bend, Ind. Fluid operable shutter release. 2,615,379, Oct. 28.
De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver with automatic frequency control. 2,595,931, May 6.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of certain allyl polymers. 2,593,276, Apr. 15.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,605,230, July 29.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,605,231, July 29.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,605,232, July 29.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,605,233, July 29.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,051, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,052, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,053, July 1.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,054, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,055, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,056, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,057, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,058, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,059, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,060, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,061, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,062, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,063, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,064, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,065, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,066, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,067, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,068, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,602,069, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylation of the esters of certain amino alcohols. 2,602,087, July 1.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Acidic polycarboxy esters of certain oxypropylated derivatives of styrene glycols and polystyrene glycols. 2,602,088, July 1.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. 2,581,367, Jan. 8.
De Groote, Melvin, University City, B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Blown oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. 2,581,368, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyethylated hydrophile derivatives of certain fractional esters of triricinolein. 2,581,369, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated hydroxy acetic acid-esterified oxyalkylated phenol aldehyde resins. 2,581,370, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Hydroxy acetic acid esters of oxyalkylated phenol-aldehyde resins. 2,581,371, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of blown hydroxy acetylated ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. 2,581,372, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of hydroxy acetylated blown ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. 2,581,373, Jan. 8.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of hydroxy acetylated blown ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. 2,581,374, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of sulfo high fatty acids with oxyalkylated phenol aldehyde resins. 2,581,375, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Detergent forming monocarboxy acid esters of certain oxyalkylated phenol-aldehyde resins. 2,581,376, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain esters of carboxy acids with oxyalkylated phenol-aldehyde resins. 2,581,377, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of drastically oxidized dehydrated castor oil fatty acids with oxyalkylated phenol aldehyde resins. 2,581,378, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of drastically oxidized castor oil fatty acids with oxyalkylated phenol aldehyde resins. 2,581,379, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of oxyalkylated phenol aldehyde resins with polyhydric alcohol-polybasic carboxy acid-monocarboxy acid esters. 2,581,380, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of certain oxyalkylated phenol-aldehyde resins with polyhydric alcohol-polybasic carboxy acid acyloxy acid esters. 2,581,381, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of alpha-halogen carboxy acids with oxyalkylated phenol-aldehyde resins. 2,581,382, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Heterocyclic quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,383, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Acylated amino alcohol quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,384, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Quaternary ammonium glyoxalidine derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,385, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. High molal amine quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,386, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. High molal amine quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. 2,581,387, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Hydroxy acids esters of oxyalkylated phenol-aldehyde resins. 2,581,388, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Drastic oxidation products of unsaturated fatty acid esters of oxyalkylated phenol-aldehyde resins. 2,581,389, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Unsaturated acid esters of oxyalkylated phenol-aldehyde resins. 2,581,390, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Chloro-oxypropylated derivatives of oxyalkylated phenol-aldehyde resins. 2,581,391, Jan. 8.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Quaternary ammonium derivatives of chloroxy propylated oxyalkylated phenol-aldehyde resins. 2,581,392, Jan. 8.
De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Hydroaromatic analogues of certain hydrophile hydroxylated synthetic products and making same. 2,589,061, Mar. 11.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of furfural-substituted phenol resins. 2,589,062, Mar. 11.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,594,541, Apr. 29.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,594,542, Apr. 29.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain oxyalkylated derivatives of trinuclear aromatic compounds and making same. 2,598,234, May 27.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain polyol ethers. 2,602,077, July 1.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of resinous polymers of vinyl esters. 2,602,079, July 1.
De Groote, Melvin, University City, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation. Certain mixtures of certain oxyalkylated resins in combination with certain partial acidic esters. 2,606,882, Aug. 12.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation. Derivatives of certain oxyalkylated phenol-aldehyde resins useful in coating compositions. 2,610,955, Sept. 16.
De Gruchy, John N., Rickmansworth, England. Wireless navigation system. 2,592,014, Apr. 8.
De Guyot, Jorgelina A. S., N. G. de Uribe, and L. P. de Spinelli, Buenos Aires, Argentina. Underwear garment. 2,622,600, Dec. 23.
De Haas, Max, Dayton, Ohio, assignor to The Monarch Machine Tool Company. Slide bearing weight compensator. 2,608,449, Aug. 26.
De Halleux, Pierre, assignor to Union des Fabriques Belges de Textiles Artificiels "Fabelta," Societe Anonyme, Brussels, Belgium. Double-twist spindle. 2,609,652, Sept. 9.
De Hart, William S., Philadelphia, Pa. Apparatus for supporting and washing Venetian blinds. 2,586,620, Feb. 19.
De Haven, La Vern H., assignor to Bowser, Inc., Fort Wayne, Ind. Concentric filter unit. 2,593,855, Apr. 22.
De Haven, La Vern H., Allen County, Ind. Safety chair for vehicles. 2,606,727, Aug. 12.
De Havilland Aircraft Company Limited, The, assignee: *See*— Crowhurst, James A.
De Havilland Engine Company Limited, The, assignee: *See*— Halford, Frank B., Cleaver, and Dove.
Dehn, Joseph W.: *See*— Collis, Raymond E., and Dehn.
Dehn, Joseph W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Register control of coin return. 2,616,974, Nov. 4.
Dehn, Joseph W., Great Neck, and W. H. T. Holden, Woodside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulsing circuit. 2,590,514, Mar. 25.
De Hoffmann, Felix, Buenos Aires, Argentina. Locking device for locking shafts against rotation. 2,580,894, Jan. 1.
De Hoffmann, Felix, Buenos Aires, Argentina. Storage tank with partitioned floating closure. 2,619,252, Nov. 25.
Dehydrating Process Co., assignee: *See*— Ryan, John. Ryan, John, and Wilson.
Deibel, Raymond: *See*— Olshei, John R., and Deibel.
Deibel, Raymond, East Aurora, assignor to Trico Products Corporation, Buffalo, N. Y. Fluid motor. 2,612,874, Oct. 7.
De Ilarraza y Segura, Tirso D., Barcelona, Spain. Control device with luminous indicator. 2,617,910, Nov. 11.
Deinet, Adolph J., East Paterson, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Benzaldehyde acetals and producing the same. 2,621,214, Dec. 9.
Deinet, Joseph: *See*— Schroeder, Herman E., and Deinet.
Deinet, Joseph, Glassboro, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vat dyes of the anthraquinone oxazole and anthraquinone thiazole series which contain the azobiphenyl nucleus. 2,601,100, June 17.
Deist, Herbert H., and F. H. Mason, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Mold for electronic vulcanization. 2,581,939, Jan. 8.
Deister Concentrator Company, The, assignee: *See*— Weber, Don A.
Deitz, Henry P., West Hyattsville, Md. Tire pressure equalizers. 2,591,340, Apr. 1.
De Jahn, Fredrik W., assignor to H. A. Brassert & Company, New York, N. Y. Apparatus for reducing metallic oxides. 2,591,789, Apr. 8.
Dejardin, Arthème, Brussels-Stockel, Belgium. Machine for welding vacuum end-tubes onto vacuum flasks. 2,622,370, Dec. 23.

De Jarnette, Major B., Nebraska City, Nebr. Device for the analysis of ankle pronation. 2,619,729, Dec. 2.
De Jesus, Pedro, Bronx, N. Y. Playing card. 2,592,122, Apr. 8.
De Jong, Adriaan M., Stocksund, Sweden. Suspension device in sliding doors and the like. 2,589,928, Mar. 18.
De Jong, Petrus W. M. M., H. G. van Huis, and J. Ridderikhoff, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Cutting torch with inclined and offset cutting oxygen discharge passage. 2,623,576, Dec. 30.
Dejoy, Jack M., Paynesville, Minn. Ground leveling attachment for tractor cultivators. 2,591,522, Apr. 1.
DeJur-Amsco Corporation, assignee: *See*— Moomaw, Lewis H. Takats, Zoltan.
De Kanski, Leon M., New York, and H. Toomin, Douglaston, N. Y. Wire-reeling device. 2,605,056, July 29.
De Kiraly, Paul, assignor to The Hispaniola Corporation (La Hispaniola C. P. A.), Ciudad Trujillo, Dominican Republic. Automatic sear for automatic firearms. 2,613,577, Oct. 14.
De Koning, Cornelis: *See*— Van Loon, Carel J., de Koning and de Vroome.
De Koning, Theodore, Philadelphia, Pa. Apparatus and method for vaporization coolizing of electrical machines. 2,604,500, July 22.
De Korte, Peter: *See*— Ten Hoeve, Marinus E., and De Korte.
De Laage, Albin, Paris, France. Two-cycle internal-combustion engine. 2,586,621, Feb. 19.
De la Calle, Antonio F., Mexico City, Mexico, assignor to Delta Investment, Inc., Habana, Cuba. Sugar cane diffusing apparatus. 2,581,175, Jan. 1.
Delacuvellerie, Marc: *See*— Henry, Georges, Brichard, and Delacuvellerie.
De Lamater, Boyd E., Sr., Cincinnati, Ohio. Rotary cutter. 2,584,262, Feb. 5.
De La Mater, Gayle F., San Diego, Calif. Drill hole locating apparatus. 2,600,857, June 17.
De La Mater, George B.: *See*— Homeyer, August H., and De La Mater.
Delamere Company, Inc., assignee: *See*— Struppe, Andrew J.
Delamere, John, Denver, Colo. Fishing rod anchor. 2,612,334, Sept. 30.
Delamere & Williams Company, Limited, assignee: *See*— Williams, Victor G.
Delametter, Walter F., Phillips, Tex., assignor to Phillips Petroleum Company. Stuffing box assembly. 2,594,134, Apr. 22.
Delaney, Dennis V., Pittsburg, Kans. Mechanical level. 2,602,241, July 8.
De Lange, Owen E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion indicator. 2,618,686, Nov. 18.
De Lano, Ralph B., Jr.: *See*— Firestone, Floyd A., and De Lano.
Delanty, Loren J.: *See*— Braddon, Frederick D., Beach, Delanty, and Vacquier.
Delany, John J., Brooklyn, and E. C. Baisel, assignors to Delany Realty Corporation, New York, N. Y. Ball cock. 2,587,032, Feb. 26.
Delany Realty Corporation, assignee: *See*— Baisel, Edwin C. Delany, John J., and Baisel.
Delapena & Son Limited, assignee: *See*— Wagstaff, George F.
Delaplane, Raymond C., Denver, Colo. Water control roller for offset. 2,584,380, Feb. 5.
De Lassus Saint-Geniès, Anne H. J., Versailles, France. Apparatus for eliminating the linear texture of a picture in projection and in optical printing by projection. 2,598,676, June 3.
Delastre, Jean, L. Galzin, and P. Letrilliart, Jeumont, assignors to Societe Anonyme Dite: Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Winding in collector machine. 2,590,298, Mar. 25.
Delattre-Seguy, Jean, Washington, D. C., assignor to Marcel Quercia, Paris, and G. Ferdinand, Nogent-sur-Marne, Seine, France. Pyrophoric lighter. 2,616,277, Nov. 4.
De Laval Separator Company, The, assignee: *See*— Ayres, Donald F. Dron, Douglas W. Eakin, Keith H. Scott, Walter A. Strezynski, George J.
De Laval Steam Turbine Company, assignee: *See*— Nördstrom, Vilhelm F. A., and Morosoff. Sennet, Morgan B.
Delaware Engineering Corporation, assignee: *See*— Moore, William E.
Delaware Research & Development Corporation, assignee: *See*— Petze, Charles L.
De Lay, Manford S., St. Louis, Mo. Load equalizing device. 2,589,678, Mar. 18.
De Lay, Manford S., St. Louis, Mo. Load equalizing device. 2,606,769, Aug. 12.
Delbord, Yvon L., Paris, France. Color reproduction system. 2,617,877, Nov. 11.
Del Buttero, Enzo, Milan, Italy, assignor to Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France. Container. 2,603,740, July 15.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Tube socket. 2,595,188, Apr. 29.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electric socket for miniature tubes. 2,613,244, Oct. 7.
Delcey, Raymond L. E., Gray, France. Landing net. 2,620,585, Dec. 9.
Del Debbio, Angelo, San Francisco, Calif. Template making scriber. 2,600,098, June 10.
Delegard, Carl J., Chicago, Ill. Apparatus for fabricating ladders for Venetian blinds. 2,591,923, Apr. 8.
Delegard, Carl J., Chicago, Ill. Pump and motor. 2,612,110, Sept. 30.
Delekto, Andrew W., Auburn, Maine. Ball cock reseating tool. 2,593,013, Apr. 15.
De Leone, John B., New Haven, Conn. Diaper cover. 2,618,266, Nov. 18.
Deletaille, Emile, Woluwe-St. Pierre, Belgium. Speed variator. 2,585,634, Feb. 12.
Delf, George A., Creve Cour, and Glenn A. Delf, University City, Mo. Variable-width window fan assembly. 2,580,663, Jan. 1.
Delf, George A., Creve Coeur, and R. E. Kortum, Robertson, assignors to Atlas Tool & Manufacturing Company, St. Louis, Mo. Pivoted-leg table with adjustable height provision. 2,609,627, Sept. 9.
Delf, Glenn A.: *See*— Delf, George A. and Glenn A.
Delfin, Leslie, Worcester, England. Calculating machine. 2,622,801, Dec. 23.
Delfino, George, and Sons, assignee: *See*— Kaltoft, Sigurd.
Delgado, Domingo, Habana, Cuba. Speaking clock. 2,604,752, July 29.
Del'Homme, Daniel L., assignor to Reed Roller Bit Company, Houston, Tex. Wear indicating device for drill bits. 2,582,312, Jan. 15.
Delhumeau, Roger A., Saint-Mande, France. Diffusion-preventing device for X-rays. 2,605,427, July 29.
De Lia, Ernest: *See*— Le Clair, Willis E., and De Lia.
Deline, Irving A., Denver, Colo. Compartment box partition. 2,587,706, Mar. 4.
Deline, Irving A., Denver, Colo. Inner compartment for candy boxes. 2,605,039, July 29.
De Lisio, Salvatore, Boston, Mass. Light transmitting structure which may be made transparent or translucent at will. 2,612,078, Sept. 30.
De Liso, Ralph, Astoria, N. Y. Pocket reflex viewer. 2,602,366, July 8.
Delivuk, Louis, Spokane, Wash. Carriage for distributor spouts. 2,602,399, July 8.
Dell, George J.: *See*— Neal, Adrian D., Peet and Dell.
Dell, Hugh A., K. M. Caple, and C. H. J. Beaven, Salfords, near Redhill, England, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for transmitting an alternating voltage through a transmission circuit under the control of a unidirectional control voltage. 2,616,960, Nov. 4.
Dell, Paul A., Highland Heights, Ohio, assignor to General Electric Company. Glass tube bending apparatus. 2,593,854, Apr. 22.
Dellaira, Angelo J.: *See*— Pakman, Marvin H., and Dellaira.
Dellapent, Joseph, Westwood, N. J. Automotive truck body flexible closure. 2,612,221, Sept. 30.
Delman Company, The, assignee: *See*— Neufeld, Leonard C.
Delman Corporation, The, assignee: *See*— Neufeld, Leonard C.
Delman, George, Los Angeles, Calif. Maternity undergarment. 2,597,710, May 20.
Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pressure control system for aircraft cabins. Re. 23,536, Aug. 26.
Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Cabin pressure control instrument. 2,612,828, Oct. 7.
Del Mar, Bruce E., Los Angeles, and P. L. Smith, Van Nuys, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Structural element. 2,608,500, Aug. 26.
Delmar, Geza S., Montreal, Quebec, Canada. Preparation of basic aluminum salts of alpha amino acids. 2,588,090, Mar. 4.
Delmhorst, William J., Boonton, N. J. Electrode assembly for moisture meters. 2,611,006, Sept. 16.
Delno, George F.: *See*— Delno, Leone G. and G. F.
Delno, Leone G. and G. F., Palo Alto, Calif. Device for use in holding cuticles away from finger nails. 2,580,739, Jan. 1.
De Loache, Waldo, assignee: *See*— McDonald, Taylor M.
De Loe, Paul, Detroit, Mich. Shock absorber. 2,605,861, Aug. 5.
De Long, Henry A., assignee: *See*— Kimmel, Harry J.

De Long, Herbert K., nasignor to The Dow Chemical Company, Midland, Mich. Cleaning worked magnesium articles. 2,607,739, Aug. 19.

Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse delay communicstion system. 2,584,987, Feb. 12.

Deloraine, Edmond M., Paris, France, and E. Labin, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electric pulse secrecy communication system. 2,582,968, Jan. 22.

Deloraine, Edmond M., New York, N. Y., and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Automatic electronic switching by time delay signal for telephone systems. 2,596,989, May 20.

Deloraine, Edmond M., and A. H. Reeves, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Mixed modulation in pulse intercommunication systems. 2,610,254, Sept. 9.

Deloraine, Edmond M., and A. H. Reeves, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Gas discharge tube with movable electrode. 2,624,025, Dec. 30.

De Lorenzo, Fred P., Rochester, N. Y., assignor of fifty per cent to E. Friscoe, East Haven, Conn. Vacuum cleaning brush, including removable bristle holding cores. 2,606,338, Aug. 12.

Delorme, Marcel: *See*—
Jardissard, Pierre, and Delorme.

Delp, William J., assignor to Gibson Refrigerator Company, Greenville, Mich. Guide shell. 2,592,253, Apr. 8.

Delphon, Orval E., Wichita, Kans. Fishing line reel device. 2,586,921, Feb. 26.

Del Pico, Roland P., South Braintree, Mass. Vaccinator. 2,617,418, Nov. 11.

Del Pozo, Albert, Jr., and M. W. Mettenleiter, New York, N. Y. Developing reel. 2,614,765, Oct. 21.

Delsman, Quirin C., and K. L. Surfus, assignors to Smalley Manufacturing Company, Manitowoc, Wis. Forage blower with pivoted feed trough. 2,591,411, Apr. 1.

Delta Investment, Inc., assignee: *See*—
De la Calle, Antonio F.

Deltec, Inc., assignee: *See*—
Vestorsky, William.

Deltron Electric Products, Inc., assignee: *See*—
Conrad, John F.

De Luca, Robert A.: *See*
Vail, Daniel R., and De Luca.

Del Valle, Guillermo A., Indianapolis, Ind., assignor to Radio Corporation of America. Sprocket shoe. 2,608,406, Aug. 26.

Delzell, Walter C., Yuma, Ariz. Electric switchboard plug polisher. 2,593,735, Apr. 22.

Del Zoppo, Menotti, assignor of one-half to A. Parker, New York, N. Y. Hair-waving composition. 2,600,624, June 17.

De Marchi, Vincent S.: *See*—
Nichols, Joseph, and De Marchi.

De Marco, Joseph C., St. Paul, Minn. Combined beach bag and sunshade. 2,584,432, Feb. 5.

De Marco, Louis, Cleveland, Ohio. Centrifugally responsive governor. 2,588,911, Mar. 11.

Demarco, Salvatore J., Jr., Baltimore, Md., assignor to Products Manufacturing Co., Inc. Premature infant feeder. 2,600,978, June 17.

Demarest, Daniel D., Little Neck, N. Y., assignor to Linker Machines, Inc., Newark, N. J. Knife and holder mounting therefor. 2,588,809, Mar. 11.

De Maria, William V., Bristol, Conn., assignor to The Horton Bristol Manufacturing Company. Line guide for fishing rods. 2,623,317, Dec. 30.

De Mars, Paul A., assignor, by mesne assignments, to R. M. Wilmotte, Washington, D. C. Slub detector. 2,585,541, Feb. 12.

De Mart, Le Roy S., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Remote water level indicator. 2,612,044, Sept. 30.

De Mart, Le Roy S., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Valvular controlling means. 2,623,534, Dec. 30.

De Martin, Mary, assignee: *See*—
De Martin, Roger R.

De Martin, Roger R., assignor of forty-five per cent to M. De Martin, Windsor, Ontario, Canada. Bed lamp with alarm clock. 2,598,978, June 3.

Demas, Epaminondas J., North Hollywood, assignor to Triplett & Barton Inc. Burbank, Calif. Weight determining apparatus. 2,613,927, Oct. 14.

De Mato, Samuel P., assignor to James Cunningham, Son & Company, Rochester, N. Y. Gear member. 2,584,793, Feb. 5.

De Matthaeis, Serafino, Jr., Philadelphia, Pa. Collapsible table for toy trains. 2,618,437, Nov. 18.

De Maya, Charles B.: *See*—
Kaufman, Charles W., and de Maya.

Dember, Alexis B., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Dew point measuring apparatus. 2,584,988, Feb. 12.

Dember, Alexis B., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Dew point measuring apparatus. 2,584,989, Feb. 12.

Demboske, Edward J., assignee: *See*—
Demboske, Joseph B.

Demboske, Joseph B., assignor to E. J. Demboske, Berea, Ohio, and R. E. Demby, Battle Creek, Mich. Welding nut. 2,595,830, May 6.

Demby, Ray E., assignee: *See*—
Demboske, Joseph B.

De Mello, Alfred C., New Bedford, Mass. Fishing tackle. 2,592,664, Apr. 15.

De Mello, Alfred C., New Bedford, Mass. Fishhook holder. 2,615,275, Oct. 28.

De Ment, Jack, Portland, Oreg. Method and apparatus for planimetry and quadrature. 2,587,976, Mar. 4.

De Ment, Jack, Portland, Oreg. Protection of structures from noxious atmospheres. 2,595,774, May 6.

De Ment, Jack, Portland, Oreg. Radioactive photographic Articles. 2,603,755, July 15.

De Ment, Jack, G. Lamont, and J. Polly, Portland, Oreg. Treating a food plant product. 2,583,686, Jan. 29.

De Meo, Ettore F. B., Brooklyn, N. Y. Chair for use in washing windows. 2,604,931, July 29.

Demerath, Le Roy, assignor to Vail Manufacturing Company, Chicago, Ill. Staple strip cutting mechanism. 2,589,347, Mar. 18.

De Mers, Edward F., Urbana, Ill., assignor to Stromberg-Carlson Company. Frequency- and voltage-stabilized oscillator. 2,584,850, Feb. 5.

De Mesquita, Paulo F., Sao Paulo, Brazil. Level and distance meter. 2,604,699, July 29.

Demetrak, George C., San Francisco, Calif., assignor to Perishables Shipping Equipment Company. Refrigeration. 2,593,736, Apr. 22.

Demeulenaere, Marcel and R., New York, N. Y. Computing device. 2,581,393, Jan. 8.

Demeulenaere, Robert: *See*—
Demeulenaere, Marcel and R.

Demeuse, Arthur: *See*—
Van Houtte, Ghislain, and Demeuse.

De Michele, Vincent, Brooklyn, N. Y. Toy railroad. 2,616,630, Nov. 4.

Demick, Donald D., and J. J. Bartolat, Tacoma, Wash., said Demick assignor to said Bartolat. Telescope mounting for guns. 2,622,329, Dec. 23.

De Mille, Hartwell, New York, N. Y. Liquid dispensing apparatus for dispensing measured amounts of beverages. 2,588,217, Mar. 4.

Deming, Martin P., Pasadena, Calif. Combination pie pan and juice retainer ring. 2,595,059, Apr. 29.

Deming, Philip H., assignor to Shell Development Company, San Francisco, Calif. Recovering liquefiable hydrocarbons from gases. 2,601,599, June 24.

De Minico, Frank, assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Key control and spacer operating mechanism for plate embossing machines. 2,585,542, Feb. 12.

Demirjian, Stephen G., Everett, and W. H. McCarty, Swampscott, Mass., assignors to General Electric Company. Dies for high-temperature applications and alloy therefor. 2,622,021, Dec. 16.

De Montalvo y Garcia-Camba, Manuel, Madrid, Spain. Stabilizer and compensator for vehicles on curved roads. 2,609,884, Sept. 9.

De More, Leonel A., Clearwater, Fla. Refrigerating apparatus for freezing food. 2,615,309, Oct. 28.

Demos, George, Fort Wayne, Ind., assignor to Kenosha Auto Transport Corporation, Springfield, Ohio. Truck carrier clamp. 2,588,491, Mar. 11.

De Moss, Homer D.: *See*—
Noel, Louis P., Griffin, and De Moss.

De Moss, William H., Childress, Tex. Tooth paste dispenser with tension means for holding the tube in position. 2,586,922, Feb. 26.

Dempsey, Arthur E., Jr., Council Bluffs, Iowa. Evaporative condenser. 2,600,738, June 17.

Dempsey, John J., Cleveland, Ohio. Oil saver. 2,612,392, Sept. 30.

Dempsey, Lloyd E., Portland, Oreg. Power-driven scaffold. 2,581,176, Jan. 1.

Dempster, Arthur J., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Identifying radioactive compounds. 2,599,166, June 3.

Dempster Brothers, Incorporated, assignee: *See*—
Jones, Harry W.
Jones, Harry W., and Glazer.

Dempster, George R., Knoxville, Tenn. Transporting equipment. Re. 23,546, Sept. 9.

Dempster, George R., Knoxville, Tenn. Bottom dumping container. 2,599,618, June 10.

Dempster, George R., Knoxville, Tenn. Loader of the dipper type. 2,600,739, June 17.

Dempster, George R., Knoxville, Tenn. Transporting equipment for vehicles. 2,606,676, Aug. 12.

De Munck, Yves, Genval, Belgium. Trough for battery accumulators. 2,621,221, Dec. 9.

Demuth, Galan W., Moorestown, N. J., assignor to Bryant Chucking Grinder Company, Springfield, Vt. High-frequency power supply system. 2,623,203, Dec. 23.

De Napoli, Anthony C., Jr.: *See*—
Almquist, Nils T., and Napoli.

De Napoli, Anthony C., Jr., Windsor, assignor to The Soundscriber Corporation, New Haven, Conn. Dictating machine with combined hand microphone and control means. 2,611,037, Sept. 16.

De Napoli, Anthony C., Jr., Windsor, assignor to The Soundscriber Corporation, New Haven, Conn. Combined hand microphone and control means. 2,611,042, Sept. 16.

De Natale, Albert: *See*—
Schilling, Fred J., and De Natale.

Dendy, Tally M., assignor of one-third to S. B. Key and one-third to V. Vance, Jackson, Miss. Combined toothbrush holder and powder dispenser. 2,596,217, May 13.

Deneboudes, Clement, Paris, France. Ice bucket. 2,604,579, July 22.

Denham, Enos M., assignor to Dodge Tool & Manufacturing Company, Grand Rapids, Mich. Flushing valve. 2,613,867, Oct. 14.

Denham Manufacturing Company, assignee: *See*—
Manting, Jack F.

Denhard, Harry W., Sebastopol, assignor to Oliver United Filters Incorporated, Oakland, Calif. Continuous rotary table filter provided with multiple scroll discharger. 2,588,912, Mar. 11.

Den Herder, Marvin, Chicago, Ill., and L. Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Cogelation of silica and alumina sols at pH 3.5–6.5. 2,595,339, May 6.

Den Hertog, Martinus: *See*—
Wright, Esmond P. G., and den Hertog.

Den Hertog, Martinus, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Discrimination of subscriber's line condition. 2,593,418, Apr. 22.

Den Hertog, Martinus, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Telephone system. 2,613,277, Oct. 7.

Den Hertog, Martinus, and A. C. Berden, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Class of line indication in telephone systems. 2,593,419, Apr. 22.

Den Hertog, Martinus and H. H. Adelaar, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Selective system. 2,595,378, May 6.

Den Hertog, Martinus, and J. Kruithof, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,610,255, Sept. 9.

De Nie, Willem L. J., London, England, and G. E. Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Producing filaments. 2,593,397, Apr. 22.

De Nie, Willem L. J., London, England, and R. H. M. Meijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Disintegrating conglomerates of polymer particles. 2,595,831, May 6.

Denis, Jean C., Detroit, Mich., assignor, by mesne assignments, to Buffalo Eclipse Corporation. Liquid level gauge. 2,590,947, Apr. 1.

Denis, Jean C., Detroit, Mich., assignor, by mesne assignments, to Buffalo-Eclipse Corporation. Vacuum check valve. 2,603,494, July 15.

Denis, Jean C., Detroit, Mich., assignor, by mesne assignments, to Buffalo-Eclipse Corporation. Angularly adjustable lever handle for valves. 2,622,904, Dec. 23.

Denis, Marcel, and P. Palluel, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Phase shifter. 2,607,031, Aug. 12.

Denison, Cedric D., Baltimore, Md. Ambulatory reciprocator. 2,614,609, Oct. 21.

Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.
Biasutta, Victor V., and Renick.
Born, Ellis H.
Renick, Wendell E.

Denison, George H., Jr., San Rafael, assignor to California Research Corporation, San Francisco, Calif. Diesel fuel oil. 2,582,192, Jan. 8.

Denison, George H., Jr., San Rafael, assignor to California Research Corporation, San Francisco, Calif. Amino phenols as rich mixture additives. 2,622,971, Dec. 23.

Denison, George W., Bay Village, Ohio. Making faced colored bricks and building walls therefrom. 2,623,382, Dec. 30.

Denison, William E., assignor to Tammen and Denison, Inc., Chicago, Ill. Packaging oleomargarine and similar materials. 2,600,216, June 10.

Denison, William E., and G. E. Wimmer, assignors to Speed-O-Print Corporation, Chicago, Ill. Duplicator master sheet clamp and control means therefor. 2,622,517, Dec. 23.

Deniston, George L., and O. W. Berglund, assignors to Chadeloid Corporation, Dayton, Ohio. Stain filler sealer. 2,623,027, Dec. 23.

De Nitzio, Anthony, Plainfield, N. J. Antislipping footgear. 2,611,194, Sept. 23.

Denker, Charles T., and J. R. Moore, assignors to The Calefactor Corporation, Chicago, Ill. Vertical water-tube boiler with removable combustion chamber. 2,607,325, Aug. 19.

Denlinger, Orlan, assignor to General Motors Corporation, Dayton, Ohio. Cutting brittle tubing. 2,612,001, Sept. 30.

Denluck, Thomas: *See*—
Salmond, Alexander H., and Denluck.

Denman, Frank, Hillsdale, assignor to G. E. Bullock, Rochester, N. Y. Fruit picking device. Re. 23,524, July 22.

Denneen, Francis S., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Butt welding. 2,604,569, July 22.

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Coil for differential heat-treatment. 2,620,433, Dec. 2.

Dennesen, Christian F., Marblehead, Mass. Steering mechanism for the front wheels of baby carriages. 2,589,679, Mar. 18.

Dennett, Firth L., assignor to Dow Corning Corporation, Midland, Mich. Rendering fabrics water-repellent and product resulting therefrom. 2,588,365, Mar. 11.

Dennett, Firth L., assignor to Dow Corning Corporation, Midland, Mich. Rendering fabrics water-repellent and composition therefor. 2,588,366, Mar. 11.

Dennett, Firth L., assignor to Dow Corning Corporation, Midland, Mich. Rendering cellulosic material nonadherent to adhesives. 2,588,367, Mar. 11.

Dennewitz, Fred E., Forrest, Ill. Lawn mower sharpening machine. 2,588,492, Mar. 11.

Denney, Bertram C., Chicago, Ill. Miter gauge. 2,598,979, June 3.

Denning, Charles O., assignor to A-1 Bit & Tool Company, Inc., Houston, Tex. Jarring tool. 2,621,025, Dec. 9.

Denning, Maurice J.: *See*—
Brauner, Ernest, and Denning.

Denning, Paul S., assignor to F. E. Schundler and Company, Incorporated, Joliet, Ill. Magnesia cement products and their manufacture. 2,598,980, June 3.

Denning, Paul S., assignor to F. E. Schundler and Company, Incorporated, Joliet, Ill. Magnesia cement products and their manufacture. 2,598,981, June 3.

Denning, Thomas J., Hudson, Colo. Ditcher. 2,598,514, May 27.

Dennis, Basil W., Baltimore, Md. Fluid bladeless turbine. 2,598,678, June 3.

Dennis, Charles W., Brooklyn, N. Y. Telescoping box. 2,596,218, May 13.

Dennis, E. L., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Flour sifter. 2,607,491, Aug. 19.

Dennis, E. Lucian, and C. S. Glenny, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass. Bicycle basket support. 2,583,550, Jan. 29.

Dennis, Edwin L., Baton Rouge, La., assignor to Riley Stoker Corporation, Worcester, Mass. Furnace for burning wet fuels. 2,602,409, July 8.

Dennis, George F., Rockford, Ill. Frame for street-type lanterns. 2,608,641, Aug. 26.

Dennis, Stanley W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for making container closures. 2,605,730, Aug. 5.

Dennis, William A., Cameron, S. C. Tractor-operated saw. 2,586,622, Feb. 19.

Dennison, Brook J.: *See*—
Raymond, Richard F., and Dennison.

Dennison Manufacturing Company, assignee: *See*—
Bone, Arnold R.

Denny, Cartan H., assignor to Webster-Brinkley Co., Seattle, Wash. Variable-delivery pump. 2,612,839, Oct. 7.

Denny, Frank E., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Inducing growth of dormant woody plants. 2,594,135, Apr. 22.

Denny, Orrin, Sr., Oakland, Calif. Transparency holder attachment for photographic enlargers. 2,589,680, Mar. 18.

Denny, Oscar W., Greensboro, N. C. Auxiliary steering device for toy vehicles. 2,584,561, Feb. 5.

De Nora, Vittorio: *See*—
De Bartholomaeis, Ettore, and De Nora.

Den Outer, Marius, Rotterdam, Netherlands. Alphabetic index system. 2,584,193, Feb. 5.

De Noyers, Emil J.: *See*—
Minneci, Salvatore, McKenney, and De Noyers.

Densmore, Richard M., South Gate, and N. J. Dalton, Huntington Park, Calif. Variable-stop hydraulic system. 2,596,471, May 13.

Denson, Alfred C., Rockville, Conn. Radio and television antenna. 2,591,790, Apr. 8.

Denss, Rolf: *See*—
Häfliger, Franz, Martin, and Denss.

Dent, Myrtle D., assignee: *See*—
Dent, Robert C., Pike, and Pike.

Dent, Robert C., D. P. and P. V. Pike, said Dent assignor of one-third, said D. P. Pike one-twelfth, and said P. V. Pike, one-twelfth to M. D. Dent, Caruthersville, Mo. Magazine display and dispensing rack for rolled goods. 2,590,384, Mar. 25.

Dental Perfection Company, assignee: *See*—
Noyes, Stanley E.

Dentists' Supply Company of New York, The, assignee: *See*—
Semmelman, John O., and Watson.

Denton, Bethel E., Merchantsville, N. J., assignor to Radio Corporation of America. Compensated amplitude discriminatory circuits. 2,611,821, Sept. 23.

Denton, John J., Morganfield, Ky. Garment bagging machine with cutting mechanism for tubular material. 2,609,983, Sept. 9.

Denton, John J., and H. P. Schedl, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Diaryl-hydroxyalkyl-diamino compounds and preparation thereof. 2,600,217, June 10.

Denton, Joseph A., assignor to The Filer & Stowell Co., Milwaukee, Wis. Servomotor. 2,599,899, June 10.

Denton, Joseph A., Portland, Oreg., assignor to The Filer & Stowell Co., Milwaukee, Wis. Control mechanism for lumber edger press rollers. 2,620,631, Dec. 9.

Denton, Richard G., Jr., assignor to The Warner & Swasey Company, Cleveland, Ohio. Faller bar shock absorber. 2,602,965, July 15.

Denton, Richard G., Jr., assignor to The Warner & Swasey Company, Cleveland, Ohio. Faller bar synchronizing and cross-drive. 2,621,370, Dec. 16.

Denton, William I.: *See*—
Bishop, Richard B., and Denton.

Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of pyridine nitriles. 2,592,123, Apr. 8.

D'Entremont, Franklin R., Lynnfield, Mass., assignor to General Electric Company. Magnetic core construction. 2,603,691, July 15.

Denver Fire Clay Company, assignee: *See*—
Simmons, Robert E.

Denzler, Berthold, assignor of one-half to F. Brandhandler, Chicago, Ill. Collet chuck. 2,585,747, Feb. 12.

Denzler, Berthold, assignor to Davos Products Company, Chicago, Ill. Work holder. 2,607,274, Aug. 19.

Deobald, Harold J.: *See*—
Singer, Philip A., and Deobald.

De Oriol y Urquijo, Lucas M.: *See*—
Omar, Alejandro G., de Oriol y Urquijo, and MacVeigh.

De Pace, Robert, Douglaston, N. Y. Shipping package assembly. 2,621,785, Dec. 16.

De Paoli, Louis, Neffs, Ohio. Pipe bender. 2,620,848, Dec. 9.

De Penning, Harold E., Newton, Iowa. Discharge elevator for harvesters. 2,608,310, Aug. 26.

De Pere Tool Products, Inc., assignee: *See*—
Schlote, Guido F., and Winter.

De Petrillo, Frank, Providence R. I. Apparatus for the manufacture of ornamental rod shapes. 2,607,395, Aug. 19.

De Pew, Chester C., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Friction type clutch. 2,587,823, Mar. 4.

De Place, Henry L. M. J., Paris, France. Device for securing grip bands to skis. 2,622,889, Dec. 23.

Depp, Wallace A., Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode glow discharge device. 2,608,674, Aug. 26.

Depp, Wallace A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode glow discharge device. 2,598,677, June 3.

De Pree, Lee: *See*—
Barry, Arthur J., De Pree, and Hook.

Deprez, Charles, Uccle-Brussels and A. Basilewsky, Bortsfort-Brussels, assignors to Solvay & Cie, Ixelles-Brussels, Belgium. Process of and apparatus for producing caustic solutions of high concentration. 2,610,908, Sept. 16.

De Pue, Carl L., executor: *See*—
Patten, Ray E.

De Puy, Charles T., Brighton, assignor to Trimble, Inc., Rochester, N. Y. Infant's bathing appliance. 2,607,925, Aug. 26.

De Puy, Charles T., Brighton, assignor to Trimble, Inc., Rochester, N. Y. Combination nursery chair and step-stool. 2,607,926, Aug. 26.

De Puy, Robert E.: *See*—
Burger, Edwin M., and De Puy.

Depweg, Leonard S., Hamilton, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Tuning indicator for combined television and frequency modulation receiver. 2,604,869, July 29.

De Quasie, Lacy G., and R. F. Eisenberg, assignors to Rochester Lead Works, Inc., Rochester, N. Y. Electrode for chromium plating. 2,594,881, Apr. 29.

De Raedt, Egide J. H., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Marker-controlled final selector circuit. 2,582,967, Jan. 22.

Derby, John H., Scarsdale, N. Y., and T. G. Collings, North Plainfield, N. J. Releasing device. 2,604,789, July 29.

Derby, John H., Scarsdale, N. Y., and T. G. Collings, North Plainfield, N. J. Releasing device. 2,604,790, July 29.

Derby, Ralph E., Salem, Mass. Machine for measuring leather. 2,617,197, Nov. 11.

Derby, Roland E., Lowell, Mass. Recovering oil from the solvent cleaning or scouring of raw wool or wool fabric. 2,607,786, Aug. 19.

Derby Sealers, Incorporated, assignee: *See*—
Erhardt, Oscar P.
Krueger, Alfred P.
Krueger, Alfred P., and Erhardt.

Derby, William E., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Detachable handle saw. 2,604,130, July 22.

Derbyshire, Charles F., Chula Vista, Calif., assignor to The Ryan Aeronautical Co. Bearing construction. 2,611,665, Sept. 23.

Derbyshire, Henry G.: *See*—
Clarke, Richard G., Derbyshire, Edwards, and Shore.

Derbyshire, Henry G., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Substituted thioureas as dyestuff intermediates. 2,616,894, Nov. 4.

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp socket for elongated tubular lamps. 2,584,677, Feb. 5.

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp socket for elongated tubular fluorescent discharge lamps. 2,604,505, July 22.

De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Die for molding pulp articles. 2,601,815, July 1.

De Regibus, Aldo: *See*—
Zurli, Gino, and De Regibus.

De Remer, J. G., Research Corporation, assignee: *See*—
De Remer, Jay G.

De Remer, Jay G., Darien, Conn., assignor to J. G. De Remer Research Corporation, Union City, N. J. Laundry machine. 2,604,771, July 29.

De Revey, Arpad G., Peoria, Ill., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting, including detachable lens connections. 2,620,707, Dec. 9.

Derham, Philip A., Rosemont, Pa., assignor to Louis Marx & Company, New York, N. Y. Musical toy. 2,587,445, Feb. 26.

Derham, Philip A., Rosemont, Pa., assignor to Louis Marx & Company, New York, N. Y. Wheeled toy. 2,590,515, Mar. 25.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Hinge for molded boxes or other molded articles. 2,601,101, June 17.

Dering, Roger, assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Flotation machine. 2,609,097, Sept. 2.

Dering, Roger, assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Machine for conditioning liquids with gases. 2,609,189, Sept. 2.

Deringer, Clifton H., Patton, Pa. Flexible bridge. 2,613,304, Oct. 14.

Deringer, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Method and absorption means for separating and for recovering carbon monoxide from gas mixtures. 2,580,527, Jan. 1.

Derk, Charles W., Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del. Funnel guide alignment indicator. 2,607,184, Aug. 19.

Derksen, Jan C., and F. M. Jacobs, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing polyethylene with asphalt bitumens. 2,610,956, Sept. 16.

Derman, Harry, Great Neck, N. Y. Surface covering materials. 2,596,377, May 13.

Dermer, Otis C., and J. J. Hawkins, Stillwater, Okla., assignors to Cities Service Research and Development Company, New York, N. Y. 3-methoxy-4-methoxymethyl tetrahydropyran. 2,591,239, Apr. 1.

Dermer, Otis C., Stillwater, Okla., and W. J. Nelson, Alpha, Ill., assignors to Cities Service Research and Development Company, New York, N. Y. 4-(1,2-dihydroxyethyl)-1,3-dioxane. 2,598,040, May 27.

Dermond, Lawrence C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starting and propeller blade pitch adjusting apparatus. 2,595,231, May 6.

De Robertis, Nicola, New York, N. Y. Combined sewing machine and trimmer blade. 2,617,374, Nov. 11.

De Roo, William C., assignor to Hart & Cooley Manufacturing Co., Holland, Mich. Grille. 2,598,763, June 3.

De Rose, John P., Albany, Calif. Adjustable seat support. 2,594,882, Apr. 29.

De Rosset, Armand J.: *See*—
Geiser, Edward M., and de Rosset.

Derr, Bernard A., assignor to Larsan Manufacturing Company, Columbus, Ohio. Saw blade. 2,606,577, Aug. 12.

Derr, Bernard A., assignor to Larsan Manufacturing Company, Columbus, Ohio. Handsaw. 2,606,584, Aug. 12.

Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,597,075, May 20.

Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,623,939, Dec. 30.

Derrer, Fritz: *See*—
Paynter, Horace J., and Derrer.

Derrick, George W., Elbridge, N. Y. Blood obtaining instrument. 2,594,621, Apr. 29.

Derrick, Harriet F., assignee: *See*—
Grisdale, George W., Jr.
Kessler, Lee H.

Deruette, Louis E., San Francisco, Calif. Flush valve. 2,613,690, Oct. 14.

De Ruiz, Josephine H., assignee: *See*—
Healy, John A.

Derwén, Erik W., and K. H. Honkanen, Stockholm, Sweden. Pantograph. 2,620,563, Dec. 9.

Dery, Roland F., Pine Meadow, Conn. Adjustable gauge block. 2,607,124, Aug. 19.

De Santis, Fausto G., Quincy, Mass., assignor, by mesne assignments, to Whitin Machine Works. Gear cover or guard for textile drafting apparatus. 2,618,025, Nov. 18.

Descarsin, Maurice, Paris, France, assignor to General Electric Company. High-frequency apparatus for severing vitreous articles. 2,615,286, Oct. 28.

Desch, Joseph R., and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,595,045, Apr. 29.

Desch, Joseph R., Oakwood, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Electron tube counting device. 2,598,764, June 3.

Deschamps, Louis, Brussels, Belgium. Apparatus for pressure molding articles of plastic material, of edible material, and of nonferrous metals. 2,621,365, Dec. 16.

Deschamps, Pierre, Paris, France. Telephone substation set with multistation connecting switch. 2,622,154, Dec. 16.

Deschenes, Veral E., Seattle, Wash. Skate wheel. 2,612,410, Sept. 30.

De Sha, Charlie R., Chattanooga, Tenn. Uncurler guide for cup feed sewing machines. 2,619,923, Dec. 2.

De Silvestro, Salvatore, Miami, Fla. Air-cooling and heating apparatus. 2,585,748, Feb. 12.

Desjarlais, William J., Sergeant Bluff, and H. E. La Fleur, assignors of five per cent to J. A. Orr, Sioux City, Iowa. Sheet metal stretching vise. 2,606,467, Aug. 12.

Deskin, Roy, Costa Mesa, Calif., and C. W. Savitz, South Euclid, Ohio, assignors to Iron John, Inc. Semiautomatic fishing device. 2,593,995, Apr. 22.

Desler, Kenneth C.: *See*—
Price, Burton G., and Desler.

De Smet, Polydoor F.: *See*—
Schwarz, George, and De Smet.

De Smet, Polydoor F., Wilrijk-Antwerp, and A. E. van Dormael, Heverlee-Louvain, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Photographic silver halide emulsions. 2,610,121, Sept. 9.

Des Moineaux, Charles F. J., Denver, Colo. Projecting kaleidoscopic designing machine. 2,604,812, July 29.

Des Moines Glove & Mfg. Company Inc., assignee: *See*—
Thompson, Robert E.

D'Esopo, Francis P.: *See*—
Murphy, Robert H., and D'Esopo.

Desoutter Brothers Limited, assignee: *See*—
Webb, George H.

De Spinelli, Lucia P.: *See*—
De Guyot, Jorgelina A. S., de Uribe, and de Spinelli.

Despois, Edouard, Paris, France, assignor to Societe Francaise Radio Electrique. Manufacture of the envelopes of electron discharge and other evacuated devices. Re. 23,492, May 20.

D'Esposito, Julian: *See*—
Rothe, Charles R., and D'Esposito.

Despres, Jeannette L., Los Angeles, Calif. Shoulder frame. 2,596,842, May 13.

Des Rochers, Jean B., Kerrville, Tex. Folding bed guard. 2,587,291, Feb. 26.

De Stefano, John, Long Island City, N. Y. Valve for stems of pneumatic tires. 2,588,493, Mar. 11.

De Sternberg, Jaime, Courbevoie, France. Die casting machine. 2,620,528, Dec. 9.

De Swart, Jan, assignor of one-half to C. B. Jamison, Los Angeles, Calif., and one-half to A. E. Wright, Beverly Hills, Calif. Safety razor. 2,603,860, July 22.

Desy, Wilfrid, Detroit, Mich. Doorstop. 2,617,140, Nov. 11.

De Tar, Donald R.: *See*—
Lyman, Harold T., and De Tar.

De Tar, Donald R., Stratford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Tuning system. 2,580,895, Jan. 1.

De Tar, Donald R., Stratford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Tuning inductor. 2,606,315, Aug. 5.

Deters, Elmer M., assignors to Red Jacket Manufacturing Co., Davenport, Iowa. Pressure maintaining device. 2,594,405, Apr. 29.

Deters, Elmer M., Davenport, Iowa, and J. L. Bovee, Jr., Anaheim, Calif., assignors to Red Jacket Manufacturing Co., Davenport, Iowa. Water treatment apparatus and control valve therefor. 2,620,299, Dec. 2.

Deters, John F., Valparaiso, Ind., assignor to Standard Oil Company, Chicago, Ill. Recovering antimony trichloride from hydrocarbon extract phase. 2,605,211, July 29.

Deters, John F., Valparaiso, A. P. Lien, Hammond, and H. Shalit, East Chicago, Ind., assignors to Standard Oil Company, Chicago, Ill. Desulfurization of olefinic naphtha. 2,608,519, Aug. 26.

Detienne, Adolphe, executor, assignee: *See*—
France, Antoine.

Detjen, Edgar W., assignor to Stoelting Brothers Company, Kiel, Wis. Carriage drive mechanism for curd forking machines. 2,617,191, Nov. 11.

Detling, Kenneth D., Berkeley, and T. Skei, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Reactivation of cuprous oxide oxidation catalysts. 2,608,585, Aug. 26.

Detling, Kenneth D., Berkeley, and T. Skei, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Olefin oxidation process employing cuprous oxide catalysts. 2,614,125, Oct. 14.

Detling, Kenneth D., Berkeley, Calif., and V. P. Guinn, Somerville, Mass., assignors to Shell Development Company, San Francisco, Calif. Catalytic oxidation of olefins in the presence of cuprous oxide. 2,620,358, Dec. 2.

Detmayer, Joseph F.: *See*—
Ristenpart, Chester H., and Detmayer.

Detrex Corporation, assignee: *See*—
Dinley, Clarence F.
Secrist, John H.
Smith, Chester W.

Détrez, René, Nogent-sur-Marne, France. Hydraulic control system. 2,586,623, Feb. 19.

Détrez, René, Nogent sur Marne, France. Valve device. 2,600,099, June 10.

Detrick, M. H., Company, assignee: *See*—
Antill, Philip W.
Hosbein, Louis H.
Over, Raymond E.

Detroit Brass & Malleable Works, assignee: *See*—
Imhoff, Robert E.

Detroit Broach Company, assignee: *See*—
Kaplan, Leo L., and von Reis.

Detroit Edison Company, The, assignee: *See*—
Bennington, Clyde W.
Matthews, George A.

Detroit Hardware Manufacturing Company, assignee: *See*—
Jewett, Deane N.
Jewett, Deane N., and R. S.

Detroit Harvester Company, assignee: *See*—
Floraday, Burton S.
Hale, Clifford E., and McKenna.
McLeod, Stewart B.

Detroit Hoist and Machine Company, assignee: *See*—
Martin, Henry F.

Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.
Dillman, Earnest J.
Dillman, Earnest J., and Fleury.
Landon, Walter S.
Millerwise, Carl H.

Detroit Macoid Corporation, assignee: *See*—
Bradley, Stephen D.

Detroit Power Screwdriver Company, assignee: *See*—
Bailey, Roy W., and Faull.

Detroit Steel Products Company, assignee: *See*—
Gillett, William.
Heintzel, Joseph F.
Kelly, Clyde W.
Rockhoff, Bert E.
Searle, John L.

Detroit Trust Company, coexecutor, assignee: *See*—
McLeod, Roy D.

Detwiler, George T., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and means for precipitating cellulose acetate. 2,622,273, Dec. 23.

Deubel, Justin A., Hales Corners, assignor to Perfex Corporation, Milwaukee, Wis. Resistor type flame detector. 2,587,977, Mar. 4.

Deubel, Justin A., assignor to Perfex Corporation, Milwaukee, Wis. Cyclic control system for burners or other condition changers. 2,615,508, Oct. 28.

Deubel, Justin A., Hales Corners, assignor to Perfex Corporation, Milwaukee, Wis. Peak load limiter. 2,617,000, Nov. 4.

Deucher, Theodore F.: *See*—
Begun, Semi J., and Deucher.

Deuel, Jack N., Hawthorne, Calif. Cooking utensil. 2,588,494, Mar. 11.

De Uribe, Nelida G.: *See*—
De Guyot, Jorgelina A. S., de Uribe, and de Spinelli.

Deuring, Karl, and F. Kreutzer, Dusseldorf, Germany. Jaw chuck. 2,602,673, July 8.

Deussen, Emil, Ludwigsburg, Germany. Making metal balls. 2,614,317, Oct. 21.

D'Eustachio, Dominic, Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making cellular glass having intercommunicating cells. 2,596,659, May 13.

Deuth, Albert F., Hartsdale, assignor to Faximile, Inc., New York, N. Y. Electrolytic recorder with self-renewing electrode. 2,615,777, Oct. 28.

Deutsch, Alexander T., Cincinnati, Ohio. Automatic extrusion press. 2,620,922, Dec. 9.

Deutsch, Joseph, Youngstown, and E. Simon, Girard, Ohio. Inner and outer combined bifurcated garment. 2,592,665, Apr. 15.

Deutsch, Millard B., assignor to The Electric Sprayit Company, Sheboygan, Wis. Air-pressure operated paint spray gun. 2,610,091, Sept. 9.

Deutsch, Walter (Yehuda) administrator: *See*—
Dishon, Binyamin R., and Goldschmidt.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, assignee: *See*—
Albrecht, Carl.
Kohler, Franz.
Wagner, Ernst.

Deutser, Alton J.: *See*—
Nelson, Roy F., Deutser, and Hefty.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Nodulizing process and apparatus. 2,590,090, Mar. 25.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Iron ore concentrate pellets. 2,596,132, May 13.

Devaney, Lawrence W.: *See*—
McCleary, Rush F., and Devaney.

De Vault, Albert N.: *See*—
Axe, William N., and De Vault.

Devay, Emeric, New York, N. Y. Watch housing. 2,617,249, Nov. 11.

Development Corporation, Inc., assignee: *See*—
Thomas, Frank S., Jr.

Developpements et Creations d'Appareils Industriels S. A., assignee: *See*—
Comte, Robert E.

Dever, Franklin J., Columbus, Ohio. Electric cord slack storage device. 2,587,707, Mar. 4.

Dever, Otto E., Burbank, Calif. Track tread landing gear with prerotation means. 2,613,892, Oct. 14.

Devereaux, Guy L., Edmore, Mich. Implement hitch for tractors. 2,590,385, Mar. 25.

De Vilbiss Company, The, assignee: *See*—
Habermuler, Reinhard.
Peeps, Donald J.

Deville, Jacob A., Marksville, La. Crossrow cultivator. 2,600,858, June 17.

Deville, Paul J.: *See*—
Chevreau, René L. P. M., and Deville.

Devillers, René: *See*—
Breguet, Louis, and Devillers.

Devine, George F., Marcellus, N. Y., assignor to General Electric Company. Marker signal generator. 2,610,228, Sept. 9.

Devine, J. E., assignee: *See*—
Ellis, Clarence M.

Devine, John W., Jr., Lynchburg, Va. Surgical apparatus for intestinal intubation. 2,614,563, Oct. 21.

Devis, Earl L., and C. E. Unkefer, assignors to The Timken Roller Bearing Company, Canton, Ohio. Collet chuck. 2,592,794, Apr. 15.

De Vito, Angelo R.: *See*—
Allen, Edwin L., De Vito, and Muster.

De Vlieg, Howard R., Grosse Pointe Woods, Mich., and P. T. Angell, assignors to Thompson Products, Inc., Cleveland, Ohio. Impeller trough milling machine and method. 2,585,920, Feb. 19.

Devlin, Paul A.: *See*—
Shokal, Edward C., and Devlin.
Shokal, Edward C., Winkler, and Devlin.

De Voe, Charles F., assignor to Corning Glass Works, Corning, N. Y. Glass melting method. 2,600,490, June 17.

De Voe, Harlan S., Maplewood, N. J. Muscle tonus replacer. 2,587,292, Feb. 26.

Devoe & Raynolds Company, Inc., assignee: *See*—
First, Melvin J.
Greenlee, Sylvan O.
Zech, John D.

Devol, George C., Greenwich, Conn., assignor to Remington Rand Inc., New York, N. Y. Magnetic process control. 2,590,091, Mar. 25.

De von Breymann, Maruja A., San Jose, Costa Rica. Trigger safety for firearms. 2,590,516, Mar. 25.

Devos, Gaston, L. A., Paris, France. Homokinetic joint. 2,614,404, Oct. 21.

De Voss, Edwin A., Los Angeles, Calif. Machine for forming double lap flaring on tubing. 2,620,013, Dec. 2.

De Vout, Anson W., La Grange, assignor to Swift & Company, Chicago, Ill. Glue drying process. 2,581,081, Jan. 1.

De Vries, Gerbertus H., Hilversum, assignor to Werkspoor N. V., Amsterdam, Netherlands. Sugar crystallizing process. 2,587,293, Feb. 26.

De Vries, Henry J., Farrell, Pa. Pressure cooker. 2,623,657, Dec. 30.

De Vries Robbe & Co. N. V., assignee: *See*—
Wieland, Jacob.

De Vries, Willem C., assignor to Staatsbedrijf Der Posterijen, Telegrafie En Telefonie, The Hague, Netherlands. Voice frequency signaling system for telephone systems. 2,620,398, Dec. 2.

De Vries, William H.: *See*—
Meyer, Curtis E., and De Vries.

De Vries, Ralph, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for contacting molten glass. 2,607,170, Aug. 19.

De Vroome, Marten: *See*—
Van Loon, Carel J., de Koning and de Vroome.

De Vry Corporation, assignee: *See*—
D'Arcy, Ellis W.
Lindberg, Arthur F.
Powers, John S., and Lotz.

Dew, Cyril J., London, England. Vegetable fertilizers. 2,600,218, June 10.

De Walt Inc., assignee: *See*—
Schutz, Ewald.

Dewan, Leon, New York, assignor of one-third to M. H. Feig, Brooklyn, and one-third to F. E. Hettling, Queens, N. Y. Rheostat potentiometer. 2,595,189, Apr. 29.

Dewandre, Albert, Brussels, Belgium. Brake control valve. 2,606,077, Aug. 5.

Dewas, Raymond, Amiens, France. Device for the insertion of different wefts in weft feeder looms without pirn. 2,609,842, Sept. 9.

Dewas, Raymond, Amiens, France. Yarn threading device for textile machines. 2,620,146, Dec. 2.

Dewdney, Albert J., assignor to Triumph Dishwashers Limited, Toronto, Ontario, Canada. Liquid distributor. 2,614,886, Oct. 21.

De Wees, Charles V., Merchantville, assignor to U. S. Gas Generator Corp., Haddonfield N. J. Gas-liquid admixing apparatus. 2,610,839, Sept. 16.

De Weiss, Ferdinand A.: *See*—
Tandler, William S., Walker, and de Weiss.

Dewey and Almy Chemical Company, assignee: *See*—
Chase, Fred L., Jr., Maeder.
Lanigan, Francis W.
Leydon, Arthur J.
Shanklin, Dunbar L., and Adams.

Dewey, Clarence L., Grand Rapids, Mich. Tubular metallic bait. 2,588,913, Mar. 11.

Dewey, Frederick L., Canton, Ill., assignor to International Harvester Company. Slave cylinder lift for trail-behind plows. 2,621,576, Dec. 16.

Dewey, Frederick R., Maywood, Calif. Surfacing tool. 2,598,765, June 3.

Dewey, Ray T., Watonga, Okla. Bait casting device. 2,584,678, Feb. 5.

Dewey, Sydney L.: *See*—
Anderson, W. Carl, and Dewey.

De Weyer, Henricus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube of the kind comprising an indirectly heated cathode. 2,593,856, Apr. 22.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.

De Windt, Joseph J., and E. C. George, Cincinnati, Ohio, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine with stator core secured in yoke by welded studs. 2,593,857, Apr. 22.

De Witt, Clyde C., Okemos, Mich. Temperature controlling device. 2,618,722, Nov. 18.

De Witt, Edward J., Winnetka, assignor to Wallace Supplies Manufacturing Co., Chicago, Ill. Bending machine. 2,620,849, Dec. 9.

De Witt, William C., San Bernardino, Calif. Self-operating evaporative cooler. 2,601,600, June 24.

De Wrangell, Serge, Paris, France. Hydraulic valve operating system. 2,595,775, May 6.

Dexheimer, Walter A., Jr., and H. N. Pullen, Fort Morgan, Colo. Reversible tractor plow. 2,609,740, Sept. 9.

Dexter, Albert M., Jr.: *See*—
Fox, Raymond S., and Dexter.

Dexter, Albert M., Jr., Farmington, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Electronic control for filament wrapping machines. 2,594,741, Apr. 29.

Deyo, Mark R., Peoria, Ill. Drying floor for storage structures. 2,587,978, Mar. 4.

Deysher, William L., and D. Monson, San Anselmo, Calif. Radius adjusting mechanism for tire removing machines. 2,618,320, Nov. 18.

D'Haem, Marcel P.: *See*—
Roberts, James A., Fischer, and D'Haem.

D'Haem, Marcel P., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cylinder sleeve puller. 2,617,181, Nov. 11.

Diack, Samuel L., Portland, Oreg. Disposable water bag syringe. 2,623,522, Dec. 30.

Di Addario, Thomas D., Buffalo, N. Y. Measuring vessel. 2,613,537, Oct. 14.

Diamantides, Nicholas D., assignor to The Leece-Neville Company, Cleveland, Ohio. Voltage regulating apparatus. 2,614,241, Oct. 14.

Diamond Alkali Company, assignee: *See*—
Baxter, George E.
Berry, David A.
Brumbaugh, Chester C.
Butler, Clarence A., Jr.
Cooper, Robert S.
Danison, Robert C.
Hulme, Richard E.
McDaniel, George R.
Olson, Harry S., and Danison.
Perrin, Tom S.
Perrin, Tom S., and Jenkins.
Rugar, George F.
Underwood, Julius E., and Hill.
Underwood, Julius E., and Hirsch.
Warburton, Dick M.

Diamond Building Products Corporation, assignee: *See*—
Conner, Guy O.

Diamond Chain Company, Inc., assignee: *See*—
Mize, George G.

Diamond, David, Forest Hills, N. Y. Assembler slide return. 2,613,803, Oct. 14.

Diamond Expansion Bolt Company, Inc., assignee: *See*—
Karitsky, John.

Diamond, Holton W., Whiting, Ind. Dessert mix and making the same. 2,619,422, Nov. 25.

Diamond, Holton W., Whiting, Ind. Powdered topping and making the same. 2,619,423, Nov. 25.

Diamond, Horace W., Flossmoor, Ill., assignor to Morton Salt Company. Salt composition and producing the same. 2,603,586, July 15.

Diamond Machine Tool Company, assignee: *See*—
Battles, Stewart S., and Verson.

Diamond Match Company, The, assignee: *See*—
Roberge, Henry A.
Spinney, Lawrence F.
Stevens, Samuel S.

Diamond, Maurice L., Bronx, N. Y. Cover for toilet seats or lids. 2,611,136, Sept. 23.

Diamond Power Specialty Corporation, assignee: *See*—
Brelsford, Harry E.
De Mart, Le Roy S.
Glinn, Roy J., and Handoll.
Rose, Earl E.

Diamond, Samuel, New York, N. Y. Device for viewing transparent photographs. 2,602,253, July 8.

"Diamond H" Switches Limited, assignee: *See*—
Walton, Gordon H. F.

Dibble, Harry A., New York, N. Y. Repair of punctured tires. 2,585,635, Feb. 12.

Dibelka, Henry G., assignor to Auto Lamp Manufacturing Co., Chicago, Ill. Directional signal switch. 2,604,560, July 22.

Dice, Henry K., S. B. Jeffries, Jr., and W. D. Hull, Corpus Christi, Tex., assignors to Celanese Corporation of America. Hydrogenation. 2,580,528, Jan. 1.

Dice, William M., Jr., assignor, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio. Splicing device. 2,613,042, Oct. 7.

Di Cicco, Anthony R., and D. E. Ericson, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Tire building drum. 2,603,580, July 15.

Di Cicco, Tripoli J., Concord, Mass., assignor to Electro Products Company. Dispenser for cutting and supporting tape. 2,615,517, Oct. 28.

Dick, A. B., Company, assignee: *See*—
Bassist, Ellis.
Johnson, Clyde W.
Mullen, William G.
Roshkind, Allan I.
Stephenson, Paul A.

Dick, Carl W., Bend, Oreg. Hand protector grip. 2,591,523, Apr. 1.

Dick, George M., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Mounting for rock drills. 2,616,667, Nov. 4.

Dick, John R.: *See*—
Killinger, Arden H., and Dick.

Dick, M. Everett, and B. J. Diekema, assignors to Buss Machine Works, Holland, Mich. Planer feed roll. 2,604,128, July 22.

Dick, Marion T., assignor to Cadet Smokestands Company, Des Moines, Iowa. Tobacco ash receptacle. 2,583,730, Jan. 29.

Dicke, Allen A., assignee: *See*—
Dicke, Robert H.

Dicke, Oscar H., New Bremen, Ohio. Antenna rotating and/or tuning apparatus. 2,599,048, June 3.

Dicke, Oscar H., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Sustained power electric clock. 2,591,054, Apr. 1.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide transmission system. 2,593,120, Apr. 15.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio-frequency vacuum tube voltmeter. 2,597,303, May 20.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Transmit receive device. 2,606,248, Aug. 5.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Doppler radar system. 2,611,125, Sept. 16.

Dicke, Robert H., Princeton, assignor of one-half to A. A. Dicke, Montclair, N. J. Power transmission. 2,596,538, May 13.

Dickens, Lonnie A., assignor to White and Company, Inc., Charlotte, N. C. Valve. 2,621,969, Dec. 16.

Dickens, Samuel P., C. A. Coghlan, and P. G. Morrow, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Separation of gases from mixtures thereof. 2,607,439, Aug. 19.

Dickenson, Ernest H., Johannesburg, Transvaal, Union of South Africa, assignor to Ingersoll-Rand Company, New York, N. Y. Percussion tool. 2,597,574, May 20.

Dickenson, Haydn G., Appleton, Warrington, K. T. Chapman, Pinner, and P. P. Hopf, assignors to Ward, Blenkinsop & Company Limited, London, England. Production of compositions containing finely divided metallic silver. 2,592,870, Apr. 15.

Dickerman, Harry K.: *See*—
Nyden, Robert, and Dickerman.

Dickerman, Harry K., and J. N. Brown, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Dispensing closure for paper powder containers. 2,585,373, Feb. 12.

Dickerman, Hubert E., Springfield, Mass. Feeding mechanism. 2,621,041, Dec. 9.

Dickerson, Henry W., Richmond, Va. Multiple groove variable speed transmission device. 2,618,162, Nov. 18.

Dickert, Joseph J., Jr.: *See*—
Hartough, Howard D., and Dickert.

Dickey, Charles N., Northville, Mich., assignor, by mesne assignments, to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Interchangeable letter display device. 2,586,009, Feb. 19.

Dickey, Charles T., Westfield, N. J. Production of nonmetallic rolls. 2,615,207, Oct. 28.

Dickey, Joseph B.: *See*—
Coover, Harry W., Jr., and Dickey.
Coover, Harry W., Jr., Shearer, and Dickey.
Taylor, George J., and Dickey.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Nitrobenzeneazo-N-difluoroalkyl-N-hydroxyalkylaniline dye compounds. 2,590,092, Mar. 25.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monomers and polymers of vinyl carbamic acid derivatives and their preparation. 2,592,254, Apr. 8.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. 4-nitro-2,6-di(trifluoromethyl)-benzene-azo-N-fluoroalkyl-N-hydroxyalkylaniline dye compounds. 2,594,297, Apr. 29.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Nitrodiphenylamine phosphorus dye compounds. 2,596,660, May 13.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Interpolymers of α-acryloxyacrylonitriles. 2,611,765, Sept. 23.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. 2,4-bis(methylsulfonyl)-benzeneazo-N-fluoroalkyl-N-hydroxyalkylaniline compounds. 2,615,013, Oct. 21.

Dickey, Joseph B., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Nitrobenzeneazo-N-difluoroalkyl-N-hydroxyalkylaniline dye compounds. 2,615,014, Oct. 21.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Nitrobenzeneazo-N-trifluoroalkyl-N-hydroxyalkylaniline dye compounds. 2,618,630, Nov. 18.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. 4-nitro-2-trifluoromethyl-benzeneazo-N-hydroxyethyl-aniline dye compounds. 2,618,631, Nov. 18.

Dickey, Joseph B., Rochester, N. Y., and G. J. Taylor, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Methine dyestuffs. 2,583,551, Jan. 29.

Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Alpha-acylamino styrenes. 2,588,968, Mar. 11.

Dickey, Joseph B., and H. W. Coover, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Certain acylamino-acrylates and crotonates as insecticides. 2,588,969, Mar. 11.

Dickey, Joseph B., Rochester, N. Y., and H. W. Coover, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of tetraethyl pyrophosphate. 2,600,378, June 17.

Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Alkyl α-fluorocetoxy acrylates, and polymers thereof. 2,611,761, Sept. 23.

Dickey, Joseph B., and H. W. Coover, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Propellent insecticide comprising o-cyclohexylcyclohexenone, pyrethrins and piperonyl butoxide. 2,614,961, Oct. 21.

Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Sulfonamidostyrenes. 2,618,655, Nov. 18.

Dickey, Paul S.: *See*—
Bailey, Ervin G., Dickey, and Shannon.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Boiler efficiency instrument. 2,593,659, Apr. 22.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Instrument for measuring efficiency of turbogenerators. 2,593,660, Apr. 22.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Boiler efficiency instrument. 2,593,661, Apr. 22.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Vapor generator operation. 2,598,235, May 27.

Dickey, Paul S., East Cleveland, and A. J. Hornfeck, Lyndhurst, Ohio, assignors to Bailey Meter Company. Control system. 2,598,236, May 27.

Dickey, Paul S., East Cleveland, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y. Heat exchanger control. 2,601,102, June 17.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Combustion control system. 2,623,698, Dec. 30.

Dickhauser, Ewald: *See*—
Voss, Arthur, and Dickhauser.

Dickhaut, Charles A., Highland Park, N. J., assignor to John Waldron Corporation. Friction drum winding machine. 2,581,242, Jan. 1.

Dickhaut, Charles A., Highland Park, N. J., assignor to John Waldron Corporation. Web unrolling apparatus. 2,582,820, Jan. 15.

Dickinson, Arthur H.: *See*—
Bryce, James W., and Dickinson.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Two source binary-decade counter. 2,594,742, Apr. 29.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Linear variation of oscillator frequency. 2,598,516, May 27.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Crystal triode. 2,610,234, Sept. 9.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Trigger circuit chain. 2,623,170, Dec. 23.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,580,740, Jan. 1.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,580,741, Jan. 1.

Dickinson, Arthur H., Greenwich, Conn., B. E. Phelps, Wappingers Falls, and C. A. Bergfors, Yonkers, assignors to International Business Machines Corporation, New York, N. Y. Electronic system. 2,587,979, Mar. 4.

Dickinson, Harold O.: *See*—
Waller, Cecil and Dickinson.

Dickinson, Henry R., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Latch structure 2,593,662, Apr. 22.

Dickinson, Henry R., and M. N. Swierbut, assignors to Grand Rapids Hardware Company, Grand Rapids, Mich. Window balance. 2,597,459, May 20.

Dickinson, Henry R., III, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,603,828, July 22.

Dickinson, John, & Co. Limited, assignee: *See*—
Randall, John W.

Dickinson, John T., Seattle, Wash. Light collecting front sight for firearms. 2,610,405, Sept. 16.

Dickinson, Norman L., Basking Ridge, assignor to The M. W. Kellogg Company, Jersey City, N. J. Treatment of solid carbon containing materials to produce carbon monoxide for the synthesis of organic materials. 2,602,809, July 8.

Dickinson, Norman L., Basking Ridge, assignor to The M. W. Kellogg Co., Jersey City, N. J. Solvent recovery. 2,616,912, Nov. 4.

Dickinson, Robert C.: *See*—
Frink, Russell E., and Dickinson.
Tolan, Ronald F.

Dickinson, Robert C., and R. E. Frink, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,616,007, Oct. 28.

Dickman, Harold G., Pleasant Ridge, Mich. Refrigerator condenser coil assembly. 2,610,039, Sept. 9.

Dickover, Marion W., Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn. Battery plate. 2,589,681, Mar. 18.

Dicks, Clarence O., Detroit, Mich. Stencil. 2,583,820, Jan. 29.

Dicks, Norman A., Toledo, and B. A. Schultz, Rossford, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for supporting glass sheets or plates. 2,618,905, Nov. 25.

Dickson, Benjamin A., Paoli, assignor to Terminal Warehouse Company, Philadelphia, Pa. Lift truck and attachment therefor. 2,598,515, May 27.

Dickson, John B., assignor to Chrysler Corporation, Highland Park, Mich. Switch. 2,599,437, June 3.

Dickson, John B., assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for adjusting vehicle headlamps. 2,609,611, Sept. 9.

Dickson, Robert B., and R. H. Somers, assignors to Kewanee Boiler Corporation, Kewanee, Ill. Smokebox for heating apparatus. 2,603,209, July 15.

Dickson, Una L., Grafton, Ontario, Canada. Bed construction. 2,618,787, Nov. 25.

Dickson, Wesley C., Los Angeles, Calif. Shoeshining or buffing device. 2,591,341, Apr. 1.

Dictaphone Corporation, assignee: *See*—
Bona, George B.
Rossmeyer, Charles L.
Frederick, Carl L.
Fox, Florian J., and Williams.
Roberts, Frederick W., and Franz.

Dictograph Products Company, Inc., assignee: *See*—
Hazard, Jarvis M.

Didier, Maurice, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Cooling radiator. 2,613,065, Oct. 7.

Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Steering motor for airplane landing wheels. 2,613,649, Oct. 14.

Diebold, Anton, New York, assignor to The Marbelite Company, Inc., New York County, N. Y. Signal assembly. 2,615,084, Oct. 21.

Diebold, Anton, assignor to The Marbelite Company, Inc., New York, N. Y. Traffic signal controller. 2,609,434, Sept. 2.

Diebold, Incorporated, assignee: *See*—
Behrens, Herbert C.
Behrens, Herbert C., and Abbott.
Behrens, Herbert C., and Badenell.
Talmage, John H., and Finley.

Diebold, Pierre, Nancy, France. Pneumatic plant for handling grains and the like granular products. 2,622,936, Dec. 23.

Dieckmann, James R., Akron, Ohio, and L. W. Muscott, Sanford, and A. F. Roche, Freeland, assignors to The Dow Chemical Company, Midland, Mich. Making thermoplastic compositions from resinous polymers of monovinyl aromatic hydrocarbons and rubber. 2,623,863, Dec. 30.

Diederich, Paul E., Grosse Pointe Park, Mich. Crankcase ventilator filter. 2,600,219, June 10.

Diefenbach, Ervin P., Milwaukee, Wis. Attachment for automobile sun visors. 2,589,348, Mar. 18.

Diefenbach, Ervin P., Milwaukee, Wis. Magnetic key case. 2,589,349, Mar. 18.

Diefenderfer, William E., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Pitch lock and actuating valve therefor. 2,592,124, Apr. 8.

Dieffenderfer, John E., Constantine, assignor of one-half to J. M. Harvey, Dearborn, Mich. Electrical connection box. 2,581,755, Jan. 8.

Diehl, Elias S., Bedford, Pa. Receding chair for theaters and the like. 2,611,420, Sept. 23.

Diehl, Walter S., U. S. Navy. Variable area nozzle. 2,593,420, Apr. 22.

Diehl, William C., Jr., North Bergen, N. J., assignor to Columbia Truck & Equipment Sales, Inc., New York, N. Y. Baffle type muffler. 2,617,490, Nov. 11.

Dieke, Gerhard H., Baltimore, Md., assignor to the United States of America as represented by the United States Atomic Energy Commission. Isotope analysis. 2,585,901, Feb. 19.

Diekema, Benjamin J.: *See*—
Dick, M. Everett, and Diekema.

Diekmann, Frans, Diepenveen, Netherlands. Picture frame. 2,602,254, July 8.

Diem, Hans, assignor to Edouard Dubied & Cie. (Societe Anonyme), Neuchatel, Switzerland. Fabric take-up device on straight-bar knitting machines. 2,610,495, Sept. 16.

Diem, Hans, assignor to Edouard Dubied & Cie, Societe Anonyme, Neuchatel, Switzerland. Pattern device for circular knitting machines. 2,611,253, Sept. 23.

Dieman, Edgar A.: *See*—
Walker, Donald L., and Dieman.

Diemer, Gesinus: *See*—
Jonker, Johan L. H., and Diemer.
Knol, Kornelis S., and Diemer.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for transmitting or generating electrical oscillations of ultrahigh frequency. 2,596,539, May 13.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube apparatus. 2,600,491, June 17.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,619,614, Nov. 25.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube having a secondary emissive electrode. 2,623,189, Dec. 23.

Diemer, Gesinus, and K. S. Knol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing or detector circuit. 2,623,167, Dec. 23.

Dienel, Hans F., Berkeley Heights, and G. K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making silicon carbide circuit elements. 2,601,373, June 24.

Dienes, John E., Wayne, Mich. Advertising sign holder for automobiles. 2,620,579, Dec. 9.

Dienst, Karl and W., Hildesheim, Germany. Treating grain fruit, especially bread grain. 2,614,935, Oct. 21.

Dienst, Waldemar: *See*—
Dienst, Karl and W.

Diepen, Frederick R., San Jose, Calif. Optical pliers. 2,584,433, Feb. 5.

Dier, Mabelle L., assignee: *See*—
Whitley, James E.

Dierbeck, John J., Milwaukee, Wis., assignor to International Harvester Company. Forming rings for bearings. 2,618,429, Oct. 14.

Dies, Herbert F.: *See*—
Hurd, Edwin P., and Dies.

Dies, Herbert F., Detroit, and F. N. Blackmore, Ferndale, assignors to Hurd Lock and Manufacturing Company, Detroit, Mich. Apparatus for manufacturing taper tubing. 2,597,623, May 20.

Diesslin, Albert R., and E. A. Kauck, St. Paul, Minn., and J. H. Simons, Gainesville, Fla., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Perfluorinated cyclohexyl carboxylic acid and cyclohexyl acetic acid and derivatives. 2,593,737, Apr. 22.

Dieter, George H., Glendale, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. System for cooling engine liquids. 2,603,196, July 15.

Dieterich, Frederick A.: *See*—
Weinacker, Herman, and Dieterich.

Dieterich Products Corporation, assignee: *See*—
Dieterich, Richard E.

Dieterich, Richard E., Park Ridge, Ill., assignor to Dieterich Products Corporation, Michigan City, Ind. Pillar mounting bracket for automobile visors. 2,606,788, Aug. 12.

Dietert, Harry W., J. A. Schuch, and R. E. Steinmueller, assignors to Harry W. Dietert Company, Detroit, Mich. Laboratory drying oven. 2,586,624, Feb. 19.

Dietert, Harry W., and J. A. Schuch, assignors to Harry W. Dietert Company, Detroit, Mich. Desiccator using an absorbent. 2,591,055, Apr. 1.

Dietert, Harry W., and A. L. Graham, assignors to Harry W. Dietert Company, Detroit, Mich. Moisture teller. 2,594,743, Apr. 29.

Dietert, Harry W., Company, assignee: *See*—
Dietert, Harry W., and Graham.
Dietert, Harry W., and Schuch.
Dietert, Harry W., Schuch, and Steinmueller.

Diethelm, John A., Victoria, Minn. Beet harvester. 2,595,340, May 6.

Dietmann, Paul W., Jonkoping, assignor to Aktiebolaget Siefuert & Fornander, Kalmar, Sweden. Machine for cutting match splints or the like. 2,581,786, Jan. 8.

Dietrich, Arthur M.: *See*—
Hise, William, and Dietrich.

Dietrich, Clifford J., Charlottesville, Va. Assembling aid for constructing frameworks. 2,588,810, Mar. 11.

Dietrich, James M., Lititz, Pa. Harvesting machine. 2,597,076, May 20.

Dietrich, Walter L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Multiple circuit control switch. 2,603,725, July 15.

Dietrich, Walter L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Sensitive switch mechanism. 2,608,628, Aug. 26.

Dietrichson, William F., Garden City, assignor to American Car and Foundry Company, New York, N. Y. Door post and tie strap anchor. 2,583,257, Jan. 22.

Dietrichson, William F., Garden City, assignor to American Car and Foundry Company, New York, N. Y. Tie strap anchor. 2,601,103, June 17.

Dietsch, William H., Collingswood, N. J. Surgical splint. 2,593,546, Apr. 22.

Dietz, Karl, Kronberg in Taunus, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany. Compositions capable of hardening rapidly in the cold containing phenolformaldehyde resins. 2,623,865, Dec. 30.

Dietz, Norman E., York, Pa., assignor to Read Standard Corporation. Shaft seal. 2,580,529, Jan. 1.

Dietz, Norman E., York, Pa., assignor to Read Standard Corporation. Air seal control. 2,604,617, July 22.

Dietz, R. E. Company, assignee: *See*—
Stube, Frederick F.

Dietz, Victor H., Ypsilanti, Mich. Dental sterilizer. 2,590,219, May 13.

Dietz, William, Hollywood, Calif. Auxiliary nose piece for bifocal eye glasses. 2,612,076, Sept. 30.

Dietze, Carl H., Jr., Maplewood, N. J. Combined noisemaker and action toy. 2,580,413, Jan. 1.

Dietze, Eginhard: *See*—
Botsford, Nelson, Boysen, Aikens, Dietze, Goodale, and Inglis.

Diezel, Willy H., Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Machine for additionally shaping preformed caps or other workpieces. 2,607,394, Aug. 19.

Di Gaetano, Salvatore J., Maspeth, N. Y. Spring seat post for bicycles. 2,623,573, Dec. 30.

Digate, James S., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot measuring device. 2,593,385, Apr. 15.

Digby, James J., assignor to Bendix Aviation Corporation, Elmira, N. Y. Engine starter drive. 2,606,449, Aug. 12.

Digby, James J., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,608,100, Aug. 26.

Digby, James J., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,613,539, Oct. 14.

Digby, James J., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,620,671, Dec. 9.

Di Giorgio, Philip A., and M. M. Safford, Schenectady, N. Y., assignors to General Electric Company. Elastic hydrocarbonsubstituted polysiloxanes and aliphatic azo compounds as catalysts. 2,613,199, Oct. 7.

Di Giovanni, Hugo J.: *See*—
Le Vine, Harris D., and Di Giovanni.

Digney, Harold D., Syracuse, N. Y. Pump. 2,611,323, Sept. 23.

Di Ienno, John J.: *See*—
Stuber, Walter J., and Di Ienno.

Di Ienno, John J., assignor to Carey-McFall Company, Philadelphia, Pa. Tilt mechanism for Venetian blinds. 2,614,625, Oct. 21.

Dijkema, Jan H., Haarlem, Netherlands, assignor to A/S Norduco, Oslo, Norway. Preparing pure well-crystallized hexanitrodiphenylamine. 2,612,523, Sept. 30.

Dijkema, Jan H., and J. Pluim, Haarlem, Netherlands, assignors to A/S Norduco, Oslo, Norway. Converting a potassium salt of a highly nitrated secondary aromatic amine to free amine and potassium nitrate. 2,595,568, May 6.

Dikeman, Myron J., Grosse Pointe Woods, Mich. Hydraulic automatic drive and control 2,583,209, Jan. 22.

Dikhoff, Johannes A. M.: *See*—
Dippel, Cornelis J., Lely, and Dikhoff.
Kröger, Ferdinand A., and Dikhoff.

Dikszas, Albert F., Westbury, N. Y. Figure toy eye structure. 2,619,772, Dec. 2.

Dildillian, Ara T., Suffield, Conn., and K. M. Wood, Valley Stream, assignors, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y. Apparatus for continuous seaming of pile floor coverings. 2,589,929, Mar. 18.

Di Leva, Anthony, Brooklyn, N. Y. Extensible doll. 2,623,329, Dec. 30.

Diley, James I., Carroll, Ohio. Battery sump. 2,580,530, Jan. 1.

Dilg, Walter C., Hewlett, and G. R. Munro, Harbor Green, assignors to Waugh Equipment Company, New York, N. Y. Coupler and yoke constructions. 2,610,745, Sept. 16.

Dill, Barnard L., East Greenwich, R. I. Safety catch. 2,605,527, Aug. 5.

Dill, Bert C., Oakes, N. Dak. Seed treater. 2,587,708, Mar. 4.

Dill, Everett C., Arlington, S. Dak., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blocking oscillator. 2,586,310, Feb. 19.

Dill Manufacturing Company, The, assignee: *See*—
Krohn, Harry W., Jr.
Krohn, Henry W., Jr.

Dilley, Earl H., Washington, D. C., and J. A. Cooper, Arlington, Va. Antibacklash attachment for fishing reels. 2,620,142, Dec. 2.

Dilley, Mary, assignee: *See*—
Betts, William W.

Dilling, Marion R., Hastings-on-Hudson, assignor to International Business Machines Corporation, New York, N. Y. Optical comparing unit. 2,594,744, Apr. 29.

Dillingham, Vachel S., Oklahoma City, Okla. Fishhook and leader carrier. 2,597,304, May 20.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic switch. 2,589,063, Mar. 11.

Dillman, Earnest J., and J. E. Fleury, assignors to Detroit Lubricator Company, Detroit, Mich. Gas burner controlling means. 2,582,419, Jan. 15.

Dillon, Annie L., Raleigh, and H. W. O'Shea, Jr., Durham, assignors to Fence-Me-In, Inc., Raleigh, N. C. Portable guard. 2,611,909, Sept. 30.

Dillon, Charles B., Buda, Tex. Collapsible tractor tow bar. 2,601,992, July 1.

Dillon, Claude, Dexter, N. Mex. Suction device with burner means for exterminating insects. 2,608,023, Aug. 26.

Dillon, Edwin I. and R. R., assignors to W. C. Dillon & Company Inc., Chicago, Ill. Thermometer. 2,616,297, Nov. 4.

Dillon, James P., New York, N. Y. Denture retaining means. 2,609,605, Sept. 9.

Dillon, Ralph R.: *See*—
Dillon, Edwin I. and R. R.

Dillon, Robert T.: *See*—
Burtner, Robert R., and Dillon.

Dillon, Samuel A., United States Navy. Split engine cover. 2,609,164, Sept. 2.

Dillon, Vincent J., Jersey City, N. J. Chip releasing device for hand planes. 2,603,259, July 15.

Dillon, W. C., & Company, Inc., assignee: *See*—
Dillon, Edwin I. and R. R.
Dillon, William C.
Dillon, William C., and Kehm.

Dillon, William C., West Chicago, assignor to W. C. Dillon & Company, Inc., Chicago, Ill. Weighing scale. 2,592,795, Apr. 15.

Dillon, William C., and C. H. Kehm, Chicago, Ill., assignors to W. C. Dillon & Company, Inc. Carrier telephone system with audio-frequency signaling 2,604,544, July 22.

Dills, William L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile treating compounds. 2,607,729, Aug. 19.

Di Lorenzo, Francis A.: *See*—
Di Lorenzo, Nicholas V. and F. A.

Di Lorenzo, Nicholas V. and F. A., Chatham, N. Y. Ignition control mechanism. 2,585,749, Feb. 12.

Dilts, Lee E., South Euclid, Ohio, assignor to General Electric Company. Apparatus for coating coiled filaments. 2,611,335, Sept. 23.

Dilworth, David I., Lorain, Ohio, assignor to United States Steel Company. Device for marking and ejecting elongated articles. 2,598,114, May 27.

Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Dynamic braking control. 2,591,791, Apr. 8.

Dilworth, Thomas B., Clarendon Hills, and M. M. Schalla, Oak Lawn, Ill., assignors to General Motors Corporation, Detroit, Mich. Fuel system for combustion apparatus. 2,599,699, June 10.

Di Maggio, Samuel S., Jr., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure operated indicating apparatus. 2,594,136, Apr. 22.

Di Maggio, Samuel S., Jr., assignor to Taylor Instrument Companies, Rochester, N. Y. Pilot relay valve. 2,614,583, Oct. 21.

Di Mauro, Joseph: *See*—
Di Mauro, Venerando and J., and De George.

Di Mauro, Venerando and J., and G. De George, Brooklyn, N. Y. Collapsible container. 2,612,926, Oct. 7.

Di Meo, John J., Newark, N. J. Projector and target game. 2,594,745, Apr. 29.

Dimick, Daniel B., Wellesley, assignor to Dimick-Mosher Products Company, Boston, Mass. Cradle invert subsoil drainage pipe. 2,608,828, Sept. 2.

Dimick-Mosher Products Company, assignee: *See*—
Dimick, Daniel B.

Dimmick, Glenn L., and M. E. Widdop, Hadden Heights, N. J., assignors to Radio Corporation of America. Color television light divider. 2,589,930, Mar. 18.

Dimond, Philip, and J. Elger, Chicago, Ill. Shirt packaging and stiffening device. 2,622,727, Dec. 23.

Dimond, Thomas L.: *See*—
Cahill, Harold D., Carpenter, and Dimond.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Register circuit. 2,582,480, Jan. 15.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for controlling the release of a relay. 2,583,328, Jan. 22.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor counting system. 2,584,990, Feb. 12.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switching system employing a transistor. 2,595,232, May 6.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating and selecting system. 2,614,175, Oct. 14.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic induction number group translator. 2,614,176, Oct. 14.

Di Nardo, Leonardo, Syracuse, N. Y. Valve seat reamer. 2,601,809, July 1.

Dinerstein, Robert A.: *See*—
Adams, Chester E., and Dinerstein.

Dinerstein, Robert A., Park Forest, Ill., and R. E. Van Strien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparation of alpha-glycol sulfuric esters. 2,595,341, May 6.

Dinerstein, Samuel: *See*—
Gibbs, Thomas B., Dinerstein, and Gilman.

Dingeldein, Karl A., Chicago, Ill., assignor to St. Louis Metalcrafts, Inc., St. Louis, Mo. Child's drinking cup. 2,585,445, Feb. 12.

Dinger, Jacob E., Washington, D. C. Method of and apparatus for measuring the thickness of nonconducting coatings or films. 2,581,394, Jan. 8.

Dingley, Elmer A., Natick, Mass. Tractor mounted shovel loader. 2,614,712, Oct. 21.

Dingman, Thomas C., assignor to The Studebaker Corporation, South Bend, Ind. Door lock. 2,581,838, Jan. 8.

Dings Magnetic Separator Co., assignee: *See*—
Blind, Karl A.
Manegold, Robert L., and Wynne.

Dinhofer, Milton, New York, N. Y. Toy drinking tube. 2,619,770, Dec. 2.

Dinkel, Frank, Leonardo, N. J. Pants creasing device. 2,604,240, July 22.

Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Straining means. 2,596,661, May 13.

Dinnan, Gary M., Detroit, Mich. Tire trimmer. 2,606,612, Aug. 12.

Dinneen, Gerald U.: *See*—
Smith, James R., and Dinneen.

Di-Noc Company, The, assignee: *See*—
Reese, Thomas S., and Galloway.

Dinsmoor, Theodore E., Silver Spring, Md. Torque equalizer for counterrotating propellers. 2,584,115, Feb. 5.

Dinsmore, Howard L., St. Paul, Minn. Glass condenser. 2,582,969, Jan. 22.

Dinstman, Hyman, New York, assignor to I. D. Watch Case Co. Inc., Jamaica, N. Y. Bracelet. 2,612,302, Sept. 30.

Dinstman, Hyman, assignor to I. D. Watch Case Co., Inc., New York, N. Y. Waterproof watchcase. 2,613,494, Oct. 14.

Dion, Amedee, assignor to Dion Freres Inc., Ste.-Therese de Blainville, Quebec, Canada. Feeding device for ensilage cutters. 2,587,122, Feb. 26.

Dion, Fred A., Havre, Mont. Auxiliary grain separator for combines. 2,617,425, Nov. 11.

Dion Freres Inc., assignee: *See*—
Dion, Amedee.

Dion, Georges, Paris, France. Electron tube with movable electrode. 2,615,130, Oct. 21.

Dion, Gerald J., Buffalo, N. Y. Glare control unit for headlights comprising focal means and remotely controlled stop plate. 2,607,884, Aug. 19.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined electric protection and warp stop for looms. 2,586,311, Feb. 19.

Dionisotti, Joseph, Monthey, Switzerland. Scraping out device for mining boreholes. 2,599,167, June 3.

Dionne, John C.: *See*—
Barnes, Walter C., and Dionne.

Dionne, John C., Chicago, Ill. Flaw detection pickup. 2,602,108, July 1.

Dionne, John C., Chicago, Ill. Vertical split head detecting apparatus. 2,614,154, Oct. 14.

Di Palma, Antonio, Pueblo, Colo., assignor of one-half to Raffaele Perrotta. Shackle seal. 2,599,700, June 10.

Di Paola, Michael: *See*—
Galotta, Edward J., and Di Paola.

Dippel, Cornelis J.: *See*—
Alink, Roelof J. H., Dippel and Houtman.

Dippel, Cornelis J., J. A. Lely, and J. A. M. Dikhoff, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Drying photographic material. 2,588,218, Mar. 4.

Dippel, Cornelis J., J. A. Lely, and J. A. M. Dikhoff, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Drying gelatine layers. 2,588,811, Mar. 11.

Dippel, Muriel C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Self-sealing bag for separating dust from an air stream. 2,596,807, May 13.

Dippel, William: *See*—
Cisl, Louis, and Dippel.

Dippy, Robert J., Old Bexley, England. Wireless navigation system. 2,585,374, Feb. 12.

Di Renzo, Simon, assignee: *See*—
Di Renzo, Vincent P.

Di Renzo, Vincent P., Landisville, N. J., assignor of one-half to S. Di Renzo and one-half to J. J. McDevitt, Philadelphia, Pa. Egg storage and dispensing device. 2,588,618, Mar. 11.

Dirkman, Agnes M., executrix: *See*—
Dirkman, Alfred E.

Dirkman, Alfred E., deceased, Waban, Mass.; A. M. Dirkman, executrix. Photoengraving. 2,592,546, Apr. 15.

Dirks, Daisy, executrix: *See*—
Dirks, Delmur H.

Dirks, Delmur H., deceased, Clarkston, Wash.; D. Dirks, executrix. Folding scaffold. 2,593,386, Apr. 15.

Dirksen, Theodore L., assignor to F. L. Spicknall, La Belle, Mo. Portable workbench for power-driven hand and table tools. 2,599,096, June 3.

Discount, Bernard, Jamaica, N. Y. Brake assembly for rotary card files. 2,612,970, Oct. 7.

Dishon, Binyamin R.: *See*—
Dishon, Binyamin R., and Goldschmidt.

Dishon, Binyamin R., deceased, and F. Goldschmidt, Rehovoth, Palestine; I. E. Dishon and W. (Yehuda) Deutsch, administrators of said B. R. Dishon. Polyphosphonitrilic esters and their preparation. 2,586,312, Feb. 19.

Dishon, Irene E., administratrix: *See*—
Dishon, Binyamin R., and Goldschmidt.

Disler, Roland, Detroit, Mich. Reel for coiling sheet metal strips. 2,615,646, Oct. 28.

Disney, Virgil H., Elkhart, Ind., assignor to the United States of America represented by the Secretary of the Navy. Telemetering system. 2,605,340, July 29.

Disney, Walt, Productions, assignee: *See*—
Finneran, Thomas J., and Slyfield.

Dispensers, Inc., assignee: *See*—
Little, Gordon H.

Displayers, Inc., The, assignee: *See*—
Corn, Belmont, Jr., and Roscher.

Disposable Bottle Corporation, assignee: *See*—
Allen, Adda M.

Disser, Milton E., Lexington, Mich. Power-operated impact tool. 2,608,118, Aug. 26.

Disston, Henry, and Sons., Inc., assignee: *See*—
Bye, Norman C.
Derby, William E.
Pratt, Henry C.

Distaso, Frank, Los Angeles, Calif. Tallying device. 2,619,751, Dec. 2.

Di Stefano, Albert, Philadelphia, Pa. Paint spray gun. 2,590,848, Apr. 1.

Distillers Company Limited, The, assignee: *See*—
Bewley, Thomas, and Bramwyche.
Bowen, Bertram E. V., and Howlett.
Brighton, Cyril A., and Faulkner.
Cleverdon, Desmond, Staudinger, Faulkner, and Milne.
Elce, Alec, Stanley, and Turck.
Faulkner, Donald, and Milne.
Faulkner, Donald, and Staudinger.
Fenne, Derrick J., and Mugdan.
Goodings, Eric P., and Hadley.
Hawkins, Edwin G. E., and Salt.
Highet, Hugh C., and Salt.
Highet, Hugh C., Salt, and Stanley.
Salt, Francis E., Webster and Galitzenstein.
Twigg, George H.
Young, Donald P.

Distin, Lionel S., Chilwell, and C. V. Wilman, Long Eaton, assignors to Ericsson Telephones Limited, London, England. Rectangular wave form inverter. 2,612,631, Sept. 30.

Distler, Edward C.: *See*—
Flosdorf, Earl W., and Distler.

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable car door. 2,591,412, Apr. 1.

Di Tella, Luigi, Trieste, Italy. Static converter. 2,622,210, Dec. 16.

Ditesheim, Edouard, La Chaux de Fonds, Switzerland. Watch movement fastener. 2,586,419, Feb. 19.

Ditex Foods, Inc., assignee: *See*—
Alink, Roelof J. H., Dippel and Houtman.

Ditson, J. D., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Collar. 2,602,365, July 8.

Ditting, Adolf, Zurich, Switzerland. Blade and blade guard for slicing machines used for slicing meat and sausage. 2,619,142, Nov. 25.

Dittman, Albert L.: *See*—
Miller, William T., Dittman, and Reed.

Dittmar, Harry R.: *See*—
Hinkamp, James B., Sugimoto, and Dittmar.

Dittmar, Irvin F., assignor to The Cromar Company, Williamsport, Pa. Flooring strip finishing machine. 2,594,746, Apr. 29.

Dittmer, Ralph T.: *See*—
Arehart, David D., and Dittmer.

Ditto, Eugene D., Brookline, Mass., assignor, by mesne assignments, to Marine Optical Manufacturing Co. Ophthalmic mounting. 2,614,459, Oct. 21.

Ditto, Incorporated, assignee: *See*—
Bruns, Herbert F.
Kramsky, Irwin, and Toussaint.
Peterson, Eric W., and Rundblad.
Smitzer, Louis A., and Thompson.

Ditto, Marvin W., New York, N. Y., and R. H. Hugger, Ridgewood, N. J., assignors to Cordo Chemical Corporation, Norwalk, Conn. Apparatus for producing an embossed coating on sheet materials. 2,591,240, Apr. 1.

Ditolla, William F., Hicksville, assignor to Gifford-Wood Company, Hudson, N. Y. Device for transferring articles from one conveyer to another conveyer. 2,623,626, Dec. 30.

Ditzler, Guy E., Brookfield, and M. B. Kovnat, Chicago, Ill. Surprise display. 2,601,374, June 24.

Di Venuti, Lawrence A., Everett, Mass. Plastic tie knot. 2,602,164, July 8.

Diversey Corporation, The, assignee: *See*—
Dvorkovitz, Vladimir, and Hawley.

Divoll, Richard L., Haworth, assignor to Bendix Aviation Corporation, Teterboro, N. J. Velocity and direction indicator. 2,586,010, Feb. 19.

Divoll, Richard L., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude control system. 2,593,014, Apr. 15.

Dixey, Godfrey W. B.: *See*—
Prendergast, Charles S., R. S., Dixey, and Gordon.

Dixie-Belle Spread Co., Inc., assignee: *See*—
Chambers, Bynom L.

Dixie Cup Company, assignee: *See*—
Barbieri, Cesare.
Carew, Herman.
Taubert, George.

Dixon, Alfred L., and H. W. Gore, Western Springs, and J. W. Rice, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Pressure-sensitive tape dispensing machine. 2,595,060, Apr. 29.

Dixon, Ellsworth A., Savage, Md. Flexible racing horseshoe. 2,622,685, Dec. 23.

Dixon, Henry J. West Kirby, assignor to British Insulated Callender's Cables Limited, London, England. Sealing conductor end structures. 2,590,160, Mar. 25.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of nitriles. 2,606,917, Aug. 12.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of nonwoven cellulosic fabric with urea resin colloids. 2,617,744, Nov. 11.

Dixon, John F. C.: *See*—
Segall, Gordon H., and Dixon.

Dixon Lubricating Saddle Company, assignee: *See*—
Cotchett, Louis M., and Rulon-Miller.

Dixon, Olaf G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Contacting liquids with gases or vapors. 2,615,699, Oct. 28.

Dixon, Olaf G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Apparatus for contacting liquids with gases or vapors. 2,615,700, Oct. 28.

Dixon, Olaf G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Treatment of gases or vapors with liquids. 2,615,832, Oct. 28.

Dixon, Olaf G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Packing for a distillation column. 2,615,835, Oct. 28.

Dixon, Paul H., Rockford, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun loading mechanism. 2,598,766, June 3.

Dixon, Paul H., Rockford, Ill., assignor to the United States of America as represented by the Secretary of the Army. Cartridge belt link. 2,600,492, June 17.

Dixon, Paul H., assignor to Dixon Research, Inc., Rockford, Ill. Pin binder. 2,609,580, Sept. 9.

Dixon, Percy L.: *See*—
Hendrickson, Luther G., Dixon and Lyle.

Dixon Research, Inc., assignee: *See*—
Dixon, Paul H.

Dixon, Robert E., Cleveland, Ohio. Fountain comb. 2,582,533, Jan. 15.

Dixon, William A., Bronx, N. Y. Window pivot and lock. 2,585,375, Feb. 12.

Djorup, Phyllis I., Yonkers, N. Y. Medical examination drape. 2,593,121, Apr. 15.

Diouhy, John E.: *See*—
Newkirk, W. B., and Diouhy.

Doak Aircraft Co., Inc., assignee: *See*—
Morris, Charles W.

Doak, Kenneth W., Nutley, N. J., and K. E. Wilzbach, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y. Fiber-forming copolymers of 1,3-butadienes with dialkyl methylenemalonates. 2,610,963, Sept. 16.

Doan, Donald J., Hammond, Ind., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Solder bar. 2,607,311, Aug. 19.

Doane, Leroy C., Essex, Conn. Fluorescent lamp retainer. 2,595,515, May 6.

Doane, Leroy C., Essex, Conn. Vapor and explosion proof plug and receptacle. 2,619,515, Nov. 25.

Doane, Paul C., Windsor, N. Y. Mattress. 2,609,548, Sept. 9.

Doba, Stephen, Jr., Long Island City, N. Y., and J. J. Jansen, Brookside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television test signal generator. 2,595,646, May 6.

Dobbins, David T., Los Angeles, Calif. Helicopter blade pitch control mechanism. 2,596,378, May 13.

Dobbins, Horace M., Charleston, S. C. Combination backstay and sheet for sailing vessels. 2,615,417, Oct. 28.

Dobbins, Walter J., 3rd: *See*—
Heinle, Carl W., and Dobbins.

Dobbins, Willis E., Manhattan Beach, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Resultant computer. 2,617,588, Nov. 11.

Dobbs, Frank G. and S. H., New York, N. Y. Purse construction. 2,587,033, Feb. 26.

Dobbs, Frank G. and S. H., New York, N. Y. Heat-sealing apparatus. 2,587,034, Feb. 26.

Dobbs, Frank G. and S. H., New York, N. Y. Foldable wallet. 2,589,481, Mar. 18.

Dobbs, Stephan H.: *See*—
Dobbs, Frank G. and S. H.

Dobeus, Vander M., Findlay, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor seat. 2,587,711, Mar. 4.

Dobija, Stephen: *See*—
Cornwell, Earl D., and Dobija.

Dobkin, William J., Jackson Heights, assignor to M. B. Feinson, New York, N. Y. Liquid soap dispenser. 2,583,687, Jan. 29.

Dobkin, William J., Jackson Heights, assignor to M. B. Feinson, New York, N. Y. Wall bracket supported liquid soap dispenser. 2,583,688, Jan. 29.

Dobkin, William J., Jackson Heights, assignor to M. B. Feinson, New York, N. Y. Soap dispensing valve. 2,619,914, Dec. 2.

Dobler, Lee R.: *See*—
Adams, Robert J., and Dobler.
Guarino, Pasquale A., Adams, Fraumann, and Dobler.

Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Vacuum breaker. 2,590,386, Mar. 25.

Dobrosavljevic, Stojimir, Paris, France, assignor, by mesne assignments, to International Engineering General Research & Licensing Company, Wilmington, Del. Reversible packing. 2,584,679, Feb. 5.

Dobson & Barlow Limited, assignee: *See*—
Pimley, Gordon H.

Dobson, Frederick W., assignor, by mesne assignments, to The Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, London, England. Coke oven buckstay structure. 2,582,238, Jan. 15.

Dobson, William A., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Platen support and feed roll mechanism. 2,583,636, Jan. 29.

Dobson, William A., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Adjustable paper guide. 2,586,522, Feb. 19.

Dock, Mortimer R., New York, N. Y. Chain repair link. 2,621,471, Dec. 16.

Dockery, Benjamin F., High Point, N. C. Magnetic holding and guide means for spring assembly machines. 2,603,246, July 15.

Dockery, John C. and N. W., Rockingham, N. C. Scotch block. 2,582,970, Jan. 22.

Dockery, Nicholas W.: *See*—
Dockery, John C. and N. W.

Dodd, Arthur E.: *See*—
Bone, Herbert L., McGowan, and Dodd.

Dodd, Arthur E., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Ground detecting apparatus. 2,622,139, Dec. 16.

Dodd, Bertha A., Hot Springs, Ark. Hair straightening machine. 2,584,434, Feb. 5.

Dodd, Charles G., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War. Water repellent treatment of textiles with long chain substituted phenol aldehyde resin emulsion. 2,582,239, Jan. 15.

Dodds, Maxwell P., assignor to Scott & Williams, Incorporated, Laconia, N. H. Adjustable sinker cam assembly for knitting machines. 2,604,766, July 29.

Dodds, Robert B., Woodbridge, assignor to The Safety Car Heating and Lighting Company, Inc., New Haven, Conn. Grain flow control. 2,596,220, May 13.

Dodds, Wellesley J., Cranbury, N. J., assignor to Radio Corporation of America. Cathode of electron beam devices. 2,581,243, Jan. 1.

Dodds, Wellesley J., Cranbury, N. J., assignor to Radio Corporation of America. Electron discharge device of the cavity resonator type. 2,607,019, Aug. 12.

Dodge, Adiel Y.: *See*—
Swenson, Carl E., and Dodge.

Dodge, Adiel Y., Rockford, Ill. Overload released clutch. 2,587,712, Mar. 4.

Dodge, Adiel Y., Rockford, Ill. Fan drive clutch. 2,588,495, Mar. 11.

Dodge, Adiel Y., Rockford, Ill. Friction brake for wheeled vehicles. 2,590,690, Mar. 25.

Dodge, Adiel Y., Rockford, Ill. Transmission. 2,591,342, Apr. 1.

Dodge, Adiel Y., Rockford, Ill. Brake. 2,596,379, May 13.

Dodge, Adiel Y., Rockford, Ill. Brake wear take-up. 2,596,380, May 13.

Dodge, Adiel Y., Rockford, Ill. Wheel cylinder for hydraulic brake mechanism. 2,603,952, July 22.

Dodge, Adiel Y., Rockford, Ill. Shifting means for transmissions. 2,606,456, Aug. 12.

Dodge, Adiel Y., Rockford, Ill. Sprag type one-way clutch. 2,614,669, Oct. 21.

Dodge, Adiel Y., Rockford, Ill. Universal joint. 2,618,942, Nov. 25.

Dodge, Barnett F., Hamden, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Low-pressure gaseous O_2 cycle with no chemical air purification. 2,584,381, Feb. 5.

Dodge, George W., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Beater. 2,602,379, July 8.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Ventilator window frame. 2,593,387, Apr. 15.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient mounting. 2,598,115, May 27.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Door sealing device. 2,607,091, Aug. 19.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Washing machine tub and spin basket. 2,620,070, Dec. 2.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Apparatus for molding and vulcanizing hollow rubber articles. 2,622,275, Dec. 23.

Dodge, John S., Exeter, N. H., assignor to Lowell Wrench Company, Worcester, Mass. Reversible ratchet wrench. 2,590,387, Mar. 25.

Dodge Manufacturing Corporation, assignee: *See*—
Bodle, Alexander T.
Firth, David.

Dodge, Ronald D.: *See*—
Page, Ralph E., and Dodge.

Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Resilient support for typewriting machines. 2,610,010, Sept. 9.

Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Reversible ribbon feeding mechanism for typewriting machines. 2,616,547, Nov. 4.

Dodge, Sherwood O., Medford, assignor to H. F. Livermore Corporation, Allston, Mass. Lug strap support for looms. 2,622,629, Dec. 23.

Dodge Tool & Manufacturing Company, assignee: *See*—
Denham, Enos M.

Dodgson, David E., Alameda, Calif. Davit control mechanism. 2,622,251, Dec. 23.

Dodin, Lucien J. E. A., Canet Plage, France. Apparatus for photographic reproduction of documents. 2,602,370, July 8.

Dodin, Sheldon T.: *See*—
Dawkins, Henry E., and Dodin.

Dodson, Glenn R. and L. A., Wichita, Kans. Reinforcing rod connection in block walls. 2,611,262, Sept. 23.

Dodson, Joseph R., Mount Oliver, Pa. Door supporting clamp. 2,583,256, Jan. 22.

Dodson, Leon A.: *See*—
Dodson, Glenn R. and L. A.

Dodson, William T., Taft, Calif. Salt-and-pepper dispenser with a longitudinal helical partition and a snap-on bottom closure strip. 2,582,313, Jan. 15.

Doe, Walter P., L. W. Sly, and H. G. Fisher, assignors to Fisher-Price Toys, Inc., East Aurora, N. Y. Wheeled toy with sound device. 2,617,231, Nov. 11.

Doebler, Emil J., Buffalo, N. Y. Railroad car handling system and apparatus. 2,582,316, Jan. 15.

Doehler-Jarvis Corporation, assignee: *See*—
Maier, Herbert N.
McGarigal, John J.

Doelker, William J., Jr., and J. M. Hildabolt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Composite article and making same. 2,600,220, June 10.

Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Ether-plasticized compositions. 2,585,750, Feb. 12.

Doelter, Gandolph, Paris, France, assignor to V. Trust, Vaduz, Liechtenstein. Producing a soft, flexible, and resilient surface layer on bodies of a hard, nonresilient material and bodies produced thereby. 2,586,011, Feb. 19.

Doelz, Melvin L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Electromechanical filter. 2,615,981, Oct. 28.

Doepke, Edward R., deceased, Walla Walla, Wash.; L. M. Doepke, executrix, assignor to L. M. Doepke. Hose attachment. 2,607,622, Aug. 19.

Doepke, Leila M., executrix, assignee: *See*—
Doepke, Edward R.

Doepker, Ervin C., New Hudson, assignor to National Tool Salvage Company, Detroit, Mich. Drill. 2,587,980, Mar. 4.

Doering, Raymond A., San Francisco, Calif. Overhead bunker refrigerator car with a fan. 2,619,803, Dec. 2.

Doering, William A., Palo Alto, Calif. Juice extractor. 2,590,237, Mar. 25.

Doering, William A., Palo Alto, and W. E. Koenig, Redwood City, assignors to S. & W. Fine Foods, Inc., San Francisco, Calif. Fruit orientation machine. 2,609,913, Sept. 9.

Doermann, Albert J., Chicago, Ill., assignor to Titan Abrasives Company. Grinding wheel. 2,594,137, Apr. 22.

Doern, Eileen, New Rochelle, N. Y. Combination hassock and storage box. 2,608,241, Aug. 26.

Doerner, Steve T., Chicago, Ill. Television antenna. 2,614,220, Oct. 14.

Doerr, Grace, executrix. *See*—
Doerr, Justin J.

Doerr, Justin J., deceased, St. Louis, Mo.; G. Doerr, executrix. Smoking pipe. 2,606,561, Aug. 12.

Doerr, Norman B., Los Angeles, Calif. Baby supply cabinet. 2,584,435, Feb. 5.

Doertenbach, William, Pueblo, and J. F. Keane, Parkdale, Colo. Time signal. 2,604,753, July 29.

Doeskin Products, Inc., assignee: *See*—
Tinkham, Thornton W.

Dofsen, Floyd J.: *See*—
Danielson, Elmer L., and Dofsen.

Doherty, Edward T., assignor to A. F. O'Connor, Chicago, Ill. Load bracing means. 2,592,666, Apr. 15.

Doherty, William H., Elmhurst, N. Y. Shoe soling apparatus. 2,613,394, Oct. 14.

Dohner, John H., Robinson, Kans. Hack saw frame. 2,580,896, Jan. 1.

Dohse, Hans, Bonn-Ippendorf, Germany. Apparatus for increasing the bulk density of pulverulent materials. 2,607,435, Aug. 19.

Dok, Harry, Burbank, assignor to Los Angeles Steel Casting Co., Los Angeles, Calif. Foundry sand cooler. 2,602,242, July 8.

Dolan, Francis D., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary brush 2,605,490, Aug. 5.

Dolan, Terrance L., Albuquerque, N. Mex. Meat tenderer. 2,606,341, Aug. 12.

Dolbey, Norman L., assignor to J. W. Roberts Limited, Armley, Leeds, England. Apparatus for damping mineral fibers to be sprayed in air. 2,604,068, July 22.

Dolbey, Norman L., assignor to J. W. Roberts Limited, Armley, Leeds, England. Damping mineral fibers to be sprayed in air. 2,604,416, July 22.

Dolce, Louis C., Danbury, Conn. Sausage grill. 2,604,842, July 29.

Dolch, George E., assignee: *See*—
Reitz, Paul J.

Dole, Chester E., Vallejo, Calif. Gate latch. 2,592,871, Apr. 15.

Dole, James, Engineering Co., assignee: *See*—
Martin, William McK.

Dole, Leslie C., Hopatcong, N. J. Adjustable ladder stilt. 2,608,336, Aug. 26.

Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.

Dole Valve Company, The, assignee: *See*—
Brown, Clyde A.
Goodrich, Alonzo C.
Kraft, El Roy J.
Obermaier, Frank E.
Rosenblum, Robert A.
Sanborn, Frank E.

D'Olier, George: *See*—
Yocom, Alvin M., and D'Olier.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Electromagnetic well logging system. 2,582,314, Jan. 15.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Differential coil system for induction logging. 2,582,315, Jan. 15.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for logging static spontaneous potentials in wells. 2,592,125, Apr. 8.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Vibration insensitive galvanometer device. 2,615,935, Oct. 28.

Dollahite, Kenneth J., Fort Worth, Tex. Padding rack for paper stock. 2,593,738, Apr. 22.

Dollar Savings and Trust Company, The, executor: *See*—
Resser, Luther S.

Dollinger, Lewis L., Rochester, N. Y. Chimney and the like. 2,588,496, Mar. 11.

Dollinger, Lewis L., Rochester, N. Y. Vestibule mat and cleaning system therefor. 2,599,049, June 3.

Dolman, Henry J., Staple Hill, Bristol, assignor to Brecknell, Munro & Rogers Limited, Bristol, England. Coin computing device for coin-controlled apparatus. 2,606,639, Aug. 12.

Dolman, Henry J., Staple Hill, Bristol, assignor to Brecknell, Munro & Rogers Limited, Bristol, England. Coin computing device for coin-controlled vending machines. 2,615,545, Oct. 28.

Dolmetsch, Carl R., Westchester, N. Y., and S. B. McFarlane, Union, N. J., assignors to Celanese Corporation of America, New York, N. Y. Cellulose ester and N-alkoxymethyl polyurethane reacted polymers. 2,598,767, June 3.

Dolton, Dorothy M., New York, and D. Smith, Riverdale, assignors to Interchemical Corporation, New York, N. Y. Optical density comparator. 2,593,996, Apr. 22.

Dolza, John, Davisburg, assignor to General Motors Corporation, Detroit, Mich. Desitometer. 2,615,328, Oct. 28.

Domar Products, Inc., assignee: *See*—
Ehlert, William C., and Schneider.

Dombeck, Edward K., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake selector valve. 2,616,658, Nov. 4.

Dombrowski, Stanley B., Detroit, Mich. Building construction. 2,619,686, Dec. 2.

Dome Chemicals, Inc., assignee: *See*—
Wershaw, Irving B.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Frequency conversion system for superheterodyne radio receivers. 2,581,177, Jan. 1.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Receiving antenna. 2,585,636, Feb. 12.

Dome, Robert B., Geddes, N. Y., assignor to General Electric Company. Frequency modulation reflex limiting circuit. 2,597,575, May 20.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Noise suppression circuit. 2,612,602, Sept. 30.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Modulation system. 2,614,246, Oct. 14.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Noise balancing circuits. 2,620,439, Dec. 2.

Domenech Tarafa, Josefina, Barcelona, Spain. Automatic apparatus for the manufacture by hand of all kinds of knitted fabrics. 2,609,675, Sept. 9.

Domingo, Emil, New York, N. Y. Cleansing method. 2,600,221, June 10.

Dominguez, Rafael, assignee: *See*—
Hrabal, Eduard.

Dominie, David R.: *See*—
Casselman, Robert C., and Dominie.

Dominion Bridge Company Limited, assignee: *See*—
Findlay, Reginald H.

Dominion Engineering Works Limited, assignee: *See*—
Malkin, Bernard A.

Dominion Magnesium Limited, assignee: *See*—
Jarmicki, Wincenty Z.

Dominion Textile Company Limited, assignee: *See*—
Strew, Kenneth G.

Domnits, Herman, New York, assignor to Barricini, Inc., Long Island City, N. Y. Stemmed cherry mold. 2,600,522, June 17.

Domol, John J., Medina, N. Y., and S. Rosenberg, Philadelphia, Pa. Keyhole splice. 2,600,395, June 17.

Domster, Stephen G.: *See*—
Snider, Joseph W., and Domster.

Donahey, John W., Drexel Hill, assignor to Foote Mineral Company, Philadelphia, Pa. Low-temperature vitreous enamels. 2,608,490, Aug. 26.

Donahoo, Joe T.: *See*—
Feiertag, Karl M., and Donahoo.

Donahue, Benjamin H., and F. H. Gallimore, Pubelo, Colo. Attachment for cutting torches. 2,596,133, May 13.

Donahue, Dennis A.: *See*—
Mills, Edward L., and Donahue.

Donahue, John, San Diego, Calif. Position simulating apparatus for radar trainers. 2,603,883, July 22.

Donais, Mrs. W. F., assignee: *See*—
Healy, John A.

Donal, John S., Jr., Princeton, N. J., assignor to Radio Corporation of America. Amplitude modulation of magnetrons. 2,620,467, Dec. 2.

Donal, John S., Jr., and R. R. Bush, Princeton, N. J., assignors to Radio Corporation of America. Modulated microwave generator. 2,602,156, July 1.

Donald, Edward J., Old Kildonan, Manitoba, Canada. Bucket attachment for mine shaft excavations. 2,597,711, May 20.

Donald, Forrest V., Milwaukee, assignor to Simplicity Manufacturing Company, Port Washington, Wis. Drive transmission for garden type tractors. 2,598,768, June 3.

Donaldson, E., assignee: *See*—
Yirava, Charles R.

Donaldson, Joseph G., assignee: *See*—
Morehouse, Eugene M.

Donaldson, Joseph G., assignor of one-half to A. S. Van Denburgh, Los Angeles, Calif. Valve device. 2,584,436, Feb. 5.

Donaldson, Raymond W., Lexington, assignor to The Ohio Brass Company, Mansfield, Ohio. Overhead switching system. 2,614,179, Oct. 14.

Donaldson, Raymond W., Lexington, assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector head. 2,614,180, Oct. 14.

Donaldson, Raymond W., Lexington, and W. J. Lewis, assignors to The Ohio Brass Company, Mansfield, Ohio. Overhead switching system. 2,614,179, Oct. 14.

Donaldson, Walter E., Midland County, and A. W. Hanson, assignors to The Dow Chemical Company, Midland, Mich. Making thermoplastic compositions from resinous polymers of monovinyl aromatic hydrocarbons and butadiene-styrene elastomers. 2,616,864, Nov. 4.

Donaldson, William R., assignee: *See*—
Van Tuyl, Thomas, and Ackermann.

Donar Products Corporation, assignee: *See*—
Simonds, Donald R.

Donato, Dominick J., assignor to Lukens Steel Company, Coatesville, Pa. Surface grinder for mill housings and the like. 2,581,244, Jan. 1.

Donato, Joseph J., and F. L. Hardin, San Francisco, Calif. Lock binder. 2,602,452, July 8.

Donavan, Robert J., Mason City, Ill. Artificial denture. Re. 23,607, Dec. 30.

Donavan, Robert J., Mason City, Ill. Artificial denture. 2,598,760, June 3.

Doncyson, Robert A., Syracuse, N. Y., assignor to General Electric Company. Automatic testing apparatus. 2,584,680, Feb. 5.

Dondanville, Carroll A., Chicago, Ill. Corn popping machine. 2,586,923, Feb. 26.

Dondero, John A., and F. Wisser, New York, N. Y. Spring biased relief valve. 2,619,115, Nov. 25.

Donegan, Dorothy A., Ann Arbor, Mich. Shoulder pad structure. 2,615,172, Oct. 28.

Donehoo, Oscar N.: *See*—
McMurdy, Paul A., and Donehoo.

Donella, Jesse, assignee: *See*—
Schoenwetter, Reinhold D.

Donelson, Arthur W., Flint, Mich., assignor to Raytheon Manufacturing Company, Newton, Mass. Automatic volume control system. 2,598,237, May 27.

Donelson, John G., and V. W. Vaurio, Pittsburgh, Pa., assignors to United States Steel Company. Manufacture of tin plate. 2,587,605, Mar. 4.

Donley, Carson O., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Bearing and making the same. 2,621,988, Dec. 16.

Donley, Hugh L., Princeton, N. J., assignor to Radio Corporation of America. Frequency stabilization of radio frequency generators. 2,591,792, Apr. 8.

Donna, Joseph D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control apparatus. 2,581,522, Jan. 8.

Donna, Joseph D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature pickup element. 2,583,293, Jan. 22.

Donnan, Robert A.: *See*—
Sepavich, Victor F., and Donnan.

Donnan, Robert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detecting system for shifting shuttle box looms. 2,592,126, Apr. 8.

Donnan, Robert A., Worcester, assignor to Surprenant Mfg. Co., Boston, Mass. Machine for striping electric conductors. 2,592,667, Apr. 15.

Donnell, John S., assignor to Florida Fibre Box Company, Sarasota, Fla. Container. 2,581,944, Jan. 8.

Donnell, John S., assignor to Florida Fibre Box Company, Sarasota, Fla. Container. 2,608,340, Aug. 26.

Donnell, John S., assignor to Florida Fibre Box Company, Sarasota, Fla. Packaging. 2,618,110, Nov. 18.

Donnell, John S., assignor to Florida Fibre Box Comuany, Sarasota, Fla. Shipping container. 2,618,429, Nov. 18.

Donnell, John T.: *See*—
Brown, John W., and Donnell.

Donnelly, Joseph T.: *See*—
Kao, Chung C., and Donnelly.

Donnelly, Walter J., Baldwin, N. Y. Navigating inatrument. 2,585,751, Feb. 12.

Donnen, James R., Brooklyn, N. Y. Safety holding board for use in caring for babies. 2,594,883, Apr. 29.

Donofrio, Alfonso M., Toledo, Ohio, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Method of and apparatus for encapsulating substances. 2,600,222, June 10.

Donohue, Anthony J., Merion, Pa. Indirectly heated coil for boilers with vertical sections. 2,614,542, Oct. 21.

Donohue, Anthony J., Merion, Pa. Tankless water heater. 2,617,392, Nov. 11.

Donohue, Owen, Rego Park, N. Y. Jack. 2,599,900, June 10.

Donohue, Russell J., Cambridge, Ohio. Coin selector. 2,583,258, Jan. 22.

Donohue, William J., Aspinwall, Pa. Tank reactor. 2,582,317, Jan. 15.

Donop, August W., assignor to Ajax-Consolidated Company, Chicago, Ill. Automatic slack adjuster for railway cars. 2,606,633, Aug. 12.

Donop, August W., assignor to Ajax-Consolidated Company, Chicago, Ill. Control for automatic slack adjuster. 2,606,634, Aug. 12.

Donovan, Allen F., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Helicopter rotor vibration reducing means. 2,611,557, Sept. 23.

Donovan, Allen F., Kenmore, and H. Hirsch, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Helicopter control. 2,613,751, Oct. 14.

Donovan, Barry J.: *See*—
Garner, Philip J., and Donovan.

Donovan, Mary J., executrix: *See*—
Donovan, Patrick L.

Donovan, Patrick L., deceased, Peoria, Ill.; M. J. Donovan, executrix. Multiple harrow draft device. 2,582,750, Jan. 15.

Donovan, Raymond F., Dallas, Tex., assignor to United Aircraft Corporation, East Hartford, Conn. Flap mechanism. 2,614,774, Oct. 21.

Donovan, Richard J., Chula Vista, Calif. Focusing camera with parallax correcting view finder. 2,616,343, Nov. 4.

Donovan, Thomas S., and F. R. Bean, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic developers comprising bis-(di-hydroxyalkyl aminomethyl)-hydroquinones. 2,604,399, July 22.

Donovan, Timothy F., Teaneck, assignor to Air Associates, Incorporated, Teterboro, N. J. Closure for pressurized fuel tanks and the like. 2,597,576, May 20.

Dooley, George W., Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Electric toaster. 2,604,032, July 22.

Dooley, James E., Tulare, Calif. Two-way plow. 2,619,016, Nov. 25.

Dooley, Maurice N.: *See*—
Carey, Richard A., and Dooley.

Dooley, Roy E.: *See*—
Utterback, Ernest, Hagerhaumer, and Dooley.

Dooley, Thomas H.: *See*—
Du Boff, Philip L., and Dooley.

Dooley, William P., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Cutter. 2,581,470, Jan. 8.

Doolittle, Andrew H., North Haven, assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage support. 2,619,314, Nov. 25.

Doolittle, Howard D., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Gas filled thyratron. 2,613,336, Oct. 7.

Doolittle, Waddie W., Picayune, Miss., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine seismic surveying. 2,614,165, Oct. 14.

Dopyera, Louis, assignee: *See*—
Smith, Earl W.

Doran Brothers, Incorporated, assignee: *See*—
Berger, Frederick J.

Doran, James A., Providence, R. I. End cap for glove holding devices. 2,599,321, June 3.

Doran, John H., Scotia, N. Y., assignor to General Electric Company. Apparatus for testing turbine stop valves while in service. 2,617,438, Nov. 11.

Doran, Robert F., assignor to Sylvania Electric Products Inc., Emporium, Pa. Apparatus for sealing-in electron tubes and the like. 2,581,945, Jan. 8.

Doran, Robert F., Floral Park, N. Y., assignor to Sylvania Electric Products Inc. Spark plug. 2,597,978, May 27.

Dorand, René, Versailles, France, assignor, by mesne assignments, to Etat Francais. Detector apparatus for detecting the rate of change of inclination of an object. 2,605,093, July 29.

Dorand, René, Versailles, France. Spring-biased autogyro rotor blade. 2,612,963, Oct. 7.

Dorazio, Nick, Baltimore, Md. Necktie presser. 2,598,238, May 27.

Dorbec, Lucien, assignor to Societe Anonyme de Telecommunications, Paris, France. Device for stabilizing oscillations. 2,587,294, Feb. 26.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door locking mechanism. 2,580,897, Jan. 1.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latch dampening device. 2,588,219, Mar. 4.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Manufacturing hopper car frame structure. 2,591,924, Apr. 8.

Dorey, George B., Westmont, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Ratchet pawl mechanism for railway dump cars. 2,602,403, July 8.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latching mechanism for hopper doors of railway hopper type cars. 2,606,507, Aug. 12.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latch for hopper car doors. 2,609,759, Sept. 9.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latching means for hopper doors of railway cars. 2,620,746, Dec. 9.

Dorf, Marvin L.: *See*—
Carter, Raymond S., and Dorf.

Dorfan, Morton I., Pittsburgh, Pa. Method and apparatus for suppressing steam and dust rising from coke being quenched. 2,604,187, July 22.

Dorfman, Hiller D., and W. D. Patton, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,588,497, Mar. 11.

Dorfman, Hiller D., Forest Hills, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit Interrupter. 2,600,223, June 10.

Dorfman, Hiller D., and W. D. Patton, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,608,629, Aug. 26.

Dorgelo, Eduard G., J. W. A. Krol, and H. A. van Meurs, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing platinum coated molybdenum grids. 2,616,777, Nov. 4.

Dorgelys, Henri J., Hempstead, N. Y. Fastener. 2,613,419, Oct. 14.

Doric, Charles A., West Warwick, R. I. Four-in-hand necktie. 2,599,749, June 10.

Doriot, Kenneth E., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Transmitting and receiving circuits for inductive carrier communication systems. 2,596,013, May 6.

Dorkin, Catherine M. C.: *See*—
Speakman, John B., Chamberlain, and Dorkin.

Dorman, Alfred A., assignee: *See*—
Akins, Jake.
Brannen, Wiley W.

Dorman, Arthur K., assignee: *See*—
Marshall, Edward J.
Ripper, Walter E., and Dorman.

Dorman, Leonard M., Meadville, Pa., assignor to Talon, Inc. Harness frame for looms. 2,593,997, Apr. 22.

Dormeyer Corporation, assignee: *See*—
Bisley, William F.
Braski, Raymond J., and Schwaneke.
Schwaneke, Fred C.

Dormeyer, Ernest W., Jr.: *See*—
Grenier, Joseph R., and Dormeyer.

Dormont, Jean, Enghein-les-Bains, France, assignor to General Electric Company. Insulating bushing with pressure-limiting means. 2,600,979, June 17.

Dornacher, Joseph F., Osage, Wyo. Bailing tool and the like. 2,594,884, Apr. 29.

Dornath, Enno J., Coquille, Oreg. Toy logging truck and trailer. 2,590,388, Mar. 25.

Dornaus, Reinert F., assignor to Kaufman Manufacturing Company, Manitowoc, Wis. Attaching a line guide to fishing rods. 2,619,714, Dec. 2.

Dornbush, Edward, Miami Beach, Fla. Combination rotisserie and oven. 2,588,091, Mar. 4.

Dornin, Florence L. T., executrix: *See*—
Dornin, George A.

Dornin, George A., deceased, Youngstown, by F. L. T. Dornin, executrix, assignor to G. A. Dornin, Jr., Warren, Ohio. Making an ingot. 2,585,096, Feb. 12.

Dornin, George A., Jr., assignee: *See*—
Dornin, George A.

Dorothea, Gale, Jackson Heights, N. Y. Device for producing timed electrical impulses. 2,614,187, Oct. 14.

Dorr, Carlos V., San Francisco, Calif. Patient handling attachment for bathtubs. 2,582,586, Jan. 15.

Dorr Company, The, assignee: *See*—
Graner, Frank L., and Scott.
Harms, Viggo.
Knowles, John H.
Logan, Robert P.
Roberts, Elliott J.
Scott, Charles H.

Dorr Company (Inc.), The, assignee: *See*—
Heath, Thomas D.
Lutz, William A.
MacAfee, Merrill W.
McKay, James B., and Thompson.
Scott, Charles H.
Wells, David F., Thompson, and Roberts.

Dorr, Emma A., Philadelphia, Pa. Shield for bunions and corns. 2,599,523, June 3.

Dorrington, Neill E., J. A. Dyker, and W. R. Peterson, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Bag filling machine. 2,613,053, Oct. 7.

Dorsam, William J., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Chart winding mechanism. 2,593,421, Apr. 22.

Dorsam, William J., La Fayette, L. A. Paine, and R. A. Road, West La Fayette, assignors to Duncan Electric Manufacturing Company, La Fayette, Ind. Chart advancing mechanism. 2,593,858, Apr. 22.

Dorschner, Irvin E., Jackson County, assignor of one-half to B. E. Grottum, Jackson, Minn. Seed hopper and rotary auger feeding to auxiliary hopper. 2,612,294, Sept. 30.

Dorsey, Carl K., Webster Groves, Mo. Rotary oven assembly. 2,610,592, Sept. 16.

Dorsey, Dennis B., Chicago, Ill. Camera exposure control. 2,590,161, Mar. 25.

Dorsey, Dennis B., Chicago, Ill. Camera exposure control. 2,596,328, May 13.

Dorsey, James E., assignor of ninty-five per cent to M. M. Gedance and five per cent to J. Huffard, Las Vegas, Nev. Article holder. 2,585,231, Feb. 12.

Dorsey Trailers, Inc., assignee: *See*—
White, Edwin L.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Production of discontinuous, conducting coatings upon insulating surfaces. 2,585,752, Feb. 12.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Effecting end seals for condensers. 2,596,134, May 13.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Sealed electrical circuit components. 2,622,133, Dec. 16.

Dorst, Willem, assignee: *See*—
Stephanus, Hendricus, and Rinse.

Dort, Robert G., Summit, N. J., assignor to Celanese Corporation of America, New York, N. Y. Yarn manufacturing. 2,596,221, May 13.

Dort, Russell L.: *See*—
Coultas, Wilbur J., and Dort.

Dorton, John M., Bonner Springs, Kans. Adjustable vehicle seat. 2,586,012, Feb. 19.

Dorton, John M., Bonner Springs, Kans. Combined spring seat and back structure. 2,586,013, Feb. 19.

Dorward, John G., Jr.: *See*—
Brobeck, William M., and Dorward.

Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Laminated bowling pin. 2,618,481, Nov. 18.

Dosmann, Lucian P., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Method and apparatus for applying oblique spray. 2,595,342, May 6.

Dosmond, Pierre R. F., Villerupt, assignor of one-half to Forges & Ateliers de Meudon, Meudon, France. Portable pneumatic drill with automatic adjustment of the tool thrust and torque. 2,586,924, Feb. 26.

Doss, Willie G., Lubbock, Tex. Feeding and refuse separating apparatus for cotton ginning mechanism. 2,585,301, Feb. 12.

Dosser, Robert C., Midland, and L. C. White, Jr., Bay City, assignors to The Dow Chemical Company, Midland, Mich. Alkanolamine salts of 2,4,5-trichlorophenoxyacetic acid. 2,590,815, Mar. 25.

Dosser, Robert C., and A. E. Colby, assignors to The Dow Chemical Company, Midland, Mich. Purification of phenoxy-aliphatic-monocarboxylic acids. 2,602,090, July 1.

Dosser, Robert C., and A. E. Colby, assignors to The Dow Chemical Company, Midland, Mich. Purifying the polychlorophenoxy-aliphatic-monocarboxylic acids. 2,602,091, July 1.

Dostal, Frank, Great Neck, assignor to American Time Products, Inc., New York, N. Y. Apparatus for timing hairsprings. 2,584,562, Feb. 5.

Dotson, Enla E., Holliday, Kans. Snap-on type diaper. 2,621,656, Dec. 16.

Dotson, Homer, Ringling, Okla. Implement attachment for tractors. 2,619,018, Nov. 25.

Dotterer, Ben O., Mansfield, Ohio. Baling hook. 2,583,091, Jan. 22.

Dotti, Euterio Lorenzo, assignee: *See*—
Dotti, José.

Dotti, José, assignor to Euterio Lorenzo Dotti, Santa Fe, Argentina. Textile machine. 2,596,764, May 13.

Doty, Alfred E., Saginaw, J. E. Johnson, Jr., Midland, D. R. Mussell, Clare, and M. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Preventing infection by coccidia by employing a bromo-alkene. 2,586,793, Feb. 26.

Doty, Charles R., Poughkeepsie, H. J. Klotz, Endicott, and T. D. Koranye, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Card punching machine. 2,602,509, July 8.

Doty, Chester C., Dunkirk, N. Y. Tobacco pipe. 2,619,969, Dec. 2.

Doty, Clifford B., assignor to Briggs Manufacturing Company, Detroit, Mich. Latch for pivoted convertible seats for vehicles. 2,602,691, July 8.

Doty, Clifford B., assignor to Briggs Manufacturing Co., Detroit, Mich. Foldable top for vehicle bodies. 2,620,223, Dec. 2.

Doty, Clifford B., T. Vigmostad, and E. J. Nusbaum, assignors to Briggs Manufacturing Company, Detroit, Mich. Automobile body front pillar and fender mounting means. 2,616,757, Nov. 4.

Doty, George E., Winnetka, Ill. Rotatable leg construction for reversible table tops. 2,602,012, July 1.

Doty, Spencer, Floral Park, assignor to C. A. Gehnrich and H. G. Gehnrich, doing business as Woodside Smokehouse Company, Woodside, N. Y. Method and apparatus for curing meat products. 2,596,381, May 13.

Double J Manufacturing Company Inc., assignee: *See*—
Jack, John M., Webb, and Jefferson.

Double Seal Ring Company, assignee: *See*—
Green, William T.

Double, Walter F., Wickliffe, assignor to The Euclid Road Machinery Company, Cleveland, Ohio. Resilient mounting of vehicle cab and power unit. 2,623,602, Dec. 30.

Doubt, Leon S., Altadena, Calif. Loud-speaker structure. 2,602,860, July 8.

Doud, Joseph F., Buffalo, N. Y. Squaring tool. 2,608,765, Sept. 2.

Dougherty, Charles E., New York, N. Y., and E. E. Minor, Baltimore, Md. Electronic control for monorail hoists or the like. 2,589,998, Mar. 18.

Dougherty, Charles E., New York, N. Y., and E. E. Minor, Baltimore, Md. Overside cargo transporter. 2,591,140, Apr. 1.

Dougherty, Charles F., Jr., Bartlesville, Okla., and C. C. Chapman, Phillips, Tex., assignors to Phillips Petroleum Company. Oxidation of hydrocarbons. 2,609,395, Sept. 2.

Dougherty, Charles F., Jr., Bartlesville, Okla., and C. C. Chapman, Phillips, Tex., assignors to Phillips Petroleum Company. Hydrocarbon oxidation. 2,615,921, Oct. 28.

Dougherty, Patrick F., Chester Heights, and C. H. Brooks, Mount Holly, N. J., assignors to Sun Oil Company, Philadelphia, Pa. Wax refining. 2,585,895, Feb. 12.

Dougherty, Patrick F., Chester Heights, assignor to Sun Oil Company, Philadelphia, Pa. Wax cake. 2,588,812, Mar. 11.

Dougherty, Patrick F., Chester Heights, assignor to Sun Oil Company, Philadelphia, Pa. Packaging and storing wax cakes. 2,606,656, Aug. 12.

Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Pressure responsive control device for vacuum cleaners. 2,580,643, Jan. 1.

Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Side opening suction cleaner. 2,580,645, Jan. 1.

Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Pressure responsive control device for vacuum cleaners. Re. 23,516, July 1.

Doughnut Corporation of America, assignee: *See*—
Block, Zenas, Rosner, and Goodman.

Doughty, David W.: *See*—
Martin, Joseph K., and Doughty.

Doughty, Edward W., and J. V. Murray, Jr., South Charleston, and J. D. Fales, St. Albans, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Recovery of tar acids and bases from hydrocarbon oils. 2,595,516, May 6.

Doughty, Leon A., Glenside, assignor to C & D Batteries, Inc., Conshohocken, Pa. Battery plate feed device. 2,609,945, Sept. 9.

Doughty, Robert T., assignor to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,581,471, Jan. 8.

Doughty, Robert T., assignor to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,609,803, Sept. 9.

Doughty, Robert T., assignor to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,609,804, Sept. 9.

Douglas Aircraft Company, Inc., assignee: *See*—
Badenoch, Benjamin W.
Benson, Bernard S., and Brown.
Brown, Ralph E.
Burton, Edward F., and Glasgow.
Blackmon, Truett M., and Porter.
Del Mar, Bruce E.
Del Mar, Bruce E., and Smith.
Douglas, Donald W.
Harpoothian, Edward, and Miner.
Hume, William L.
Ide, Howard J.
Klein, Arthur L.
Linderfelt, Hal R.
Lombard, Nathaniel A., and Taggart.
Moreton, Douglas H.
Russell, John D.
Weise, Carl A.
Wickham, Hull, Burton, and Mason.

Douglas, Alvin P., Cleveland, and L. J. Walters, Shaker Heights, assignors to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Adjustable brake for tubular frame vehicles. 2,591,524, Apr. 1.

Douglas, Aubrey, Saltford, England. Jet propulsion and control means therefor. 2,601,104, June 17.

Douglas, Beverly, Nashville, Tenn. Apparatus for removing human skin for grafting purposes. 2,590,299, Mar. 25.

Douglas, Charles B., Charlotte, N. C. Adjustable plumber's level. 2,594,543, Apr. 29.

Douglas, Donald J., Mendota Township, Dakota County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Securing flexible sheets to relatively stiff backings. 2,620,289, Dec. 2.

Douglas, Donald J. and R. L., St. Paul, Minn. Swimming helmet. 2,581,007, Jan. 1.

Douglas, Donald W., Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc. Aircraft balancing means. 2,601,962, July 1.

Douglas, Frank P., Malvern, Victoria, Australia. Textile bobbin. 2,618,443, Nov. 18.

Douglas, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,597,077, May 20.

Douglas, George T., Washington, D. C. Drawing instrument. 2,581,839, Jan. 8.

Douglas, Homer C., Kansas City, Kans. Power-driven display rack. 2,582,623, Jan. 15.

Douglas, Homer C., Kansas City, Kans. Display rack having movable parts. 2,582,624, Jan. 15.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Pressure compensated pump. 2,585,232, Feb. 12.

Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Control valve and operating means therefor. 2,617,257, Nov. 11.

Douglas, John G., Aberfeldy, Scotland. Screw and nut transmission mechanism. 2,618,166, Nov. 18.

Douglas, Louis M.: *See*—
Cook, Stanley S., and Douglas.

Douglas Machine Products Co., assignee: *See*—
Bond, Robert D., and Hungerford.

Douglas, Peyton W., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry machine tumbling drum. 2,586,794, Feb. 26.

Douglas, Philip F., Carman, Manitoba, Canada. Seat structure for school desks. 2,592,872, Apr. 15.

Douglas, Russell L.: *See*—
Douglas, Donald J. and R. L.

Douglas, William A., Pasadena, Calif., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Scavenging engine bearings. 2,609,065, Sept. 2.

Douglass Automatic Shoeshining Co., Inc., assignee: *See*—
Douglass, Porter D.

Douglass, Charles H., Eureka, Kans. Sanitary cover for drink mixers. 2,584,437, Feb. 5.

Douglass, Myrl R., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Electric circuit for incandescent lamps. 2,594,622, Apr. 29.

Douglass, Porter D., Boulder, Colo. Motor vehicle front wheel lubricating device. 2,611,668, Sept. 23.

Douglass, Porter D., Hayward, Calif., assignor to Douglass Automatic Shoe Shining Co. Shoe polishing device. 2,607,938, Aug. 26.

Douglass, Porter D., Hayward, assignor to Douglass Automatic Shoeshining Co. Inc., Oakland, Calif. Wax paste applicator for shoe polishing machines. 2,607,943, Aug. 26.

Douma, Tjiske, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulse-time demodulator. 2,617,027, Nov. 4.

Douma, Tjiske, and A. Verhoeff, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray apparatus. 2,617,046, Nov. 4.

Doumani, Thomas F., Los Angeles, and R. W. Long, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Purification of dinitro compounds. 2,580,742, Jan. 1.

Doumani, Thomas F., and R. F. Deering, assignors to Union Oil Company of California, Los Angeles, Calif. Supported group VIII-carbon dehydrogenation catalyst. 2,600,379, June 17.

Doumani, Thomas F., Los Angeles, and C. S. Coe, Rolling Hills, assignors to Union Oil Company of California, Los Angeles, Calif. Preparation of carboxylic acids. 2,612,520, Sept. 30.

Doumani, Thomas F., Los Angeles, C. S. Coe, Rolling Hills, and E. C. Attane, Jr., Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Nitration of olefins. 2,621,205, Dec. 9.

Dourdeville, Theodore A., Holden, assignor to David Gessner Company, Worcester, Mass. Cloth finishing machine and hydraulic driving apparatus therefor. 2,618,954, Nov. 25.

Douša, Eduard: *See*—
Kadlec, Zdeněk, and Douša.

Douša, Jaroslav, Dobrany, assignor to Skoda Works, National Corporation, Plzen, Czechoslovakia. Pneumatic feed device for high-speed automatic turret lathes. 2,598,041, May 27.

Doussain, Robert, Villeurbanne, France. Elastic coupling and torque measuring device. 2,592,796, Apr. 15.

Doust, James F., London, England. Apparatus for sorting postal packets. 2,609,928, Sept. 9.

Douyard, Herman P., Northampton, Mass. Disk harrow carrier. 2,621,458, Dec. 16.

Dove, Ernest B.: *See*—
Halford, Frank B., Cleaver, and Dove.

Dove, John F.: *See*—
Chouinard, Alfred F., and Dove.

Dove, John F., Lombard, assignor to National Cylinder Gas Company, Chicago, Ill. Arc welding electrode holder. 2,606,988, Aug. 12.

Dove, Leonard P., assignor to Porolith, Inc., Boulder, Colo. Cementitious material and making. 2,623,828, Dec. 30.

Dove, Robert A.: *See*—
Crane, Charles S., and Dove.

Dovey, Anne P., Hampstead, M. Manners, and J. H. Partridge, Pinner, England, assignors to General Electric Company. Glass solder. 2,615,816, Oct. 28.

Dovica, Anthony, Los Angeles, Calif. Collar pin with control means. 2,581,580, Jan. 8.

Dovica, Anthony, Los Angeles, Calif. Hook of hook and eye. 2,603,848, July 22.

Dow Chemical Company, The, assignee: *See*—
Alquist, Francis N., and Kauer.
Amos, James L.
Amos, James L., McCurdy, and Hanson.
Amos, James L., Silvernail, and Soderquist.
Barry, Arthur J.
Barry, Arthur J., and Gilkey.
Barry, Arthur J., De Pree, and Hook.
Barstow, Ormond.
Bauman, William C.
Bauman, William C., and Heusted.
Bauman, William C., and McKellar.
Bennett, Wallis R., and Cummins.
Britton, Edgar C., and Hansen.
Britton, Edgar C., and Head.
Britton, Edgar C., and Sexton.
Britton, Edgar C., and Tree.
Britton, Edgar C., and White.
Cardwell, Paul H., Coulter, and Jones.
Cardwell, Paul H., Ellers, and Robinson.
Cardwell, Paul H., and Loucks.
Cardwell, Paul H., and Robinson.
Coleman, Gerald H., and Rigterink.
Costa, John E., and McIntire.
De Long, Herbert K.
Dieckmann, James R., Muscott, and Roche.
Donaldson, Walter E., and Hanson.
Dosser, Robert C., and Colby.
Dosser, Robert C., and White.
Doty, Alfred E., Johnson, Mussell, and Wolf.
Drake, Lewis R.
Drake, Lewis R., and Erbel.
Dreisbach, Robert R.
Dulmage, Frederick E.
Evans, Chives W.
Hammer, Oscar H.
Haney, Joseph K., Hunter, and Robinson.
Haney, Joseph K., and Paddock.
Hanson, William J., and Nex.
Havens, Carl B.
Haynes, James D.
Head, James D., and Lowes.
Henson, Walter A., and Edwards.
Hill, Howard W.
Hill, Howard W., and Dance.
Huscher, Myron E., Long, and Moore.
Jankowink, Erwin M.
Jones, Giffin D.
Jones, Giffin D., and Friedrich.
Juckniess, Paul R.
Kagy, John F., and McPherson.
Kauer, Kenneth C.
Kirk, Elmer L.
Kirk, Roy C., Fry, and George.
Kropscott, Earle L., and Lipke.
Lowry, Robert D., and Schaefer.

Dow Chemical Company, The, assignee: *See*—Continued.
McMaster, Elmer L.
Morell, Le Grand, and Knutson.
Morris, Earl D., and Griess.
Morris, Elton K.
Moyle, Clarence L.
Moyle, Clarence L., and Wolf.
Pye, David J.
Reid, Raymond W.
Reilly, John H.
Robinson, Harold A.
Roche, Arthur F., and Price.
Roth, Harold H.
Rubens, Louis C., and Boyer.
Ruh, Robert P.
Savage, Albert B., and Swinehart.
Schrader, Paul G., and Partansky.
Silvernail, Lloyd H.
Smith, Earle J.
Smyers, William H., and Young.
Sommer, Leo H.
Stober, Kenneth E.
Stoesser, Wesley C., and Sommerfield.
Swezey, Arthur W.
Teot, Arthur S.
Tolkmith, Henry.
Tveter, Elmer C.
Tyler, Leslie J.
Wehr, Henry W., Jr., and Sager.
Wiley, Ralph M.
Williams, Bill M.
Williams, Bill M., Berhenke, and Beman.
Young, Arthur E., Stilbert, and Lalk.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J.
Barry, Arthur J., and Gilkey.
Clark, Harold A.
Collings, William R.
Currie, Chester C.
Currie, Chester C., and Hommel.
Dennett, Firth L.
Fletcher, Herbert J., and Hunter.
Goodwin, John T., Jr.
Goodwin, John T., Jr., and Hunter.
Gordon, Arthur F.
Hommel, Maurice C.
Hunter, Melvin J., and Rauner.
Hunter, Melvin J., and Fletcher.
Hyde, James F.
Hyde, James F., and Daudt.
Kauppi, Toivo A.
Sommer, Leo H.
Speier, John L.
Speier, John L., Jr.
Tyler, Leslie J.
Warrick, Earl L.

Dow, Edward P., Manitowoc, Wis. Kicking animal target. 2,613,080, Oct. 7.

Dow, Grove S., Jr.: *See*—
Onksen, George W., Jr., Stuart, and Dow.

Dow, Herbert W., assignor to Norberg Manufacturing Co., Milwaukee, Wis. Rotation indicator for hoist drums. 2,599,815, June 10.

Dow Jones & Company, Inc., assignee: *See*—
Ackell, Joseph J.
Ackell, Joseph J., and Paulding.

Dow, Marion E., R. E. and W. Dow, Conway, Ark. Fertilizer and seed distributor. 2,621,935, Dec. 16.

Dow, Raymond E.: *See*—
Dow, Marion E., R. E., and W.

Dow, Robert E., Longmeadow, Mass. Taper turning attachment for turret lathes. 2,612,680, Oct. 7.

Dow, Wainrite: *See*—
Dow, Marion E., R. E., and W.

Dow, Walter K., Longmeadow, Mass. Precision gauge. 2,602,235, July 8.

Dow, William T.: *See*—
Rourke, John, and Dow.

Dowd, Bernard J., Fitzroy, near Melbourne, Victoria, Australia. Control panel for foundation garments. 2,610,324, Sept. 16.

Dowdell, Sidney M., Natick, and I. L. Giovanella, Dover, assignors of one-third to E. L. Salisbury, Madison, and D. C. Steels, Basking Ridge, N. J. Quick-attaching traction device. 2,582,193, Jan. 8.

Dowling, Andrew J., and E. Urbanski, Philadelphia, Pa. Filling apparatus. 2,596,135, May 13.

Dowling, Thomas J., Sr., Seattle, Wash. Tree sawing machine and support therefor. 2,617,452, Nov. 11.

Downe, Edward R., assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Flame retaining atmospheric gas burner. 2,610,675, Sept. 16.

Downey, Clement L., Hannibal, Mo., assignor to Johnson Fare Box Company, Chicago, Ill. Imprint machine. 2,620,728, Dec. 9.

Downey, George T., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Seat for rotary plug valves. 2,623,724, Dec. 30.

Downey, Richard M., North Judson, Ind., assignor to United States Gypsum Company, Chicago, Ill. Apparatus and process for making mineral wool. 2,587,710, Mar. 4.

Downey, Virgil M., Clarksburg, W. Va. Apparatus for treating materials by ultraviolet radiation. 2,586,623, Feb. 19.

Downey, Warren E., Baltimore, Md. Throwaway neck duster for individual customer use. 2,595,776, May 6.

Downey, Wayne A., Moline, Ill., assignor to J. I. Case Company, Racine, Wis. Positive lockpin. 2,589,482, Mar. 18.

Downey, William H. J., Wilmington, Del. Toy roundabout. 2,595,061, Apr. 29.

Downing, James R., assignor to Cook Electric Company, Chicago, Ill. Air-speed indicator. 2,619,836, Dec. 2.

Downing, John: *See*—
Wilcox, Merlyn H., Downing, and Drewitt.

Downing, John, Spondon, near Derby, England, assignor to Celanese Corporation of America. Dehydrohalogenation of polyvinylchloride. 2,606,177, Aug. 5.

Downing, John, and J. G. N. Drewitt, Spondon, near Derby, England, assignors to British Celanese Limited. Treatment of fibrous cellulose derivatives to render them more easily powdered. 2,618,018, Nov. 18.

Downing, Rexford D., Moline, Ill., and C. C. Evers, Davenport, Iowa, assignors to International Harvester Company. Floating cutter bar for harvesters. 2,599,438, June 3.

Downing, Willis T., Alexandria, Va., and S. P. Johnson, Washington, D. C. Rotary plug valve. Re. 23,527, July 29.

Downs, Alfred B., Jr., Columbus, Miss. Calendar. 2,609,630, Sept. 9.

Downs, Edgar S., assignor to C. E. Yost, Evansville, Ind. Wrench with cam actuated pivoted jaws. 2,606,465, Aug. 12.

Downs, Florence B., executrix: *See*—
Harris, Frederic R.

Dowty Equipment Limited, assignee: *See*—
Carey, Frederick H.
Dowty, George H.
Harding, John K.
Shawbrook, Henry, and Hillier.
Snell, Maurice S.
Stratford, Henry R.

Dowty, George H., assignor to Dowty Equipment Limited, Cheltenham, England. Telescopic hydraulic mine roof support. 2,621,631, Dec. 16.

Doyle, Arthur J., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Bulk materials freight container. 2,605,940, Aug. 5.

Doyle, Arthur J., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Side construction for railway freight cars. 2,618,226, Nov. 18.

Doyle, Bernard E., Goodyear, Ariz. Bed lengthener. 2,607,932, Aug. 26.

Doyle, Charles D., and H. C. Nelson, Jr., Schenectady, N. Y., assignors to General Electric Company. Alkyd polysiloxane resins. 2,587,295, Feb. 26.

Doyle, Charles W., assignor to Corning Glass Works, Corning, N. Y. Glassworking methods. 2,596,990, May 20

Doyle, Collin M., Chicago, Ill., assignor to W. J. and W. Podbielniak. Lubricating device. 2,582,901, Jan. 15.

Doyle, Douglas J., Chicago, Ill. Time recording apparatus for race tracks. 2,590,389, Mar. 25.

Doyle, Edward J.: *See*—
Welsh, James G., Jr.

Doyle, Frank P., and J. D. Kendall, assignors to Ilford Limited, Ilford, England. Trithioacetals. 2,618,661, Nov. 18.

Doyle, Harold, Trail, British Columbia, assignor to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Gas scrubber. 2,621,754, Dec. 16.

Doyle, Irving W., Massapequa, and C. V. Johnson, Kew Gardens, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Electrically operated aerial camera having hinged magazine sections. 2,596,222, May 13.

Doyle, James A., Jr., Rome, and G. W. Pirk, Utica, N. Y. Preserved fish worm and solution for and method of preserving fish worms. 2,582,534, Jan. 15.

Doyle, James F., Forest Hills, assignor to Arkell Safety Bag Company, New York, N. Y. Bag. 2,597,305, May 20.

Doyle, Joseph C., assignor to Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper holder for manifolding typewriters. 2,615,731, Oct. 28.

Doyle, Matthew J., Clairton, Pa., assignor to United States Steel Company. Adjustable stamping machine. 2,619,030, Nov. 25.

Doyle, Philip C., Rocky River, Ohio, and K. H. Rudd, Mount Lebanon, Pa., assignors to The Standard Oil Company, Cleveland, Ohio. Phonograph record. 2,613,152, Oct. 7.

Doyle, William V., Chicago, Ill. Individual creamer. 2,602,309, July 8.

Dozier, Porter E., assignee: *See*—
Bott, Wister P.

Draaisma, Gijsbertus H.: *See*—
Singer, Mór J., and Draaisma.

Drabkin, Marvin L.: *See*—
Hess, Howard V., Arnold, and Drabkin.

Dracco Corp., assignee: *See*—
Kramer, John F.

Dräger, Otto H., assignee: *See*—
Hollmann, Franz.
Klutke, Fritz K.

Dragge, Ottar J. L.: *See*—
Kalling, Bo Michael S., Danielsson, and Dragge.

Drago, Gian G., Milan, assignor of one-third to M. Korach and one-third to F. Battistin, Bologna, Italy. Hydraulic drive mechanism for step-by-step conveyers. 2,622,401, Dec. 23.

Drain, Herbert D., assignor to Walter E. Selck and Co., Chicago, Ill. Trim connecting assembly. 2,599,322, June 3.

Drain, Herbert D., assignor to Walter E. Selck and Co., Chicago, Ill. Mitering tool. 2,613,740, Oct. 14.

Drake, Billy B.: *See*—
Smythe, Carl V., Drake, and Miller.

Drake, Edward P.: *See*—
Boyden, Robert E., and Drake.

Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Danbury, Conn. Shield and light cell pickup for oscilloscopes. 2,603,966, July 22.

Drake, Howard T., Dallas, Tex. Sheathed razor blade holder. 2,599,439, June 3.

Drake, John A., Balboa Island, Calif., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Aircraft booster jet power unit. 2,619,795, Dec. 2.

Drake, John F., Arcadia, assignor of one-half to T. G. Kennard, Glendora, Calif. Closed top side door. 2,618,548, Nov. 18.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple sheet glazing units. 2,589,064, Mar. 11.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing flat glass. 2,598,893, June 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing glass sheets. 2,598,894, June 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 2,607,168, Aug. 19.

Drake, John W., Leetsdale, Pa., assignor to Koppers Company, Inc. Pusher machine and coke guide interlock. 2,589,231, Mar. 18.

Drake, Lewis R., assignor to The Dow Chemical Company, Midland, Mich. Amidothiophosphates. 2,615,039, Oct. 21.

Drake, Lewis R., Midland, and A. J. Erbel, Bay City, Mich. 2,4,6 - trichlorophenyl dialkylphosphates. 2,599,375, June 3.

Drake, Lewis R., Midland, and A. J. Erbel, Bay City, assignors to The Dow Chemical Company, Midland, Mich. 0-2,4,6 - trichlorophenyl 0,0 - dialkylthiophosphates. 2,599,512, June 3.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,581,840, Jan. 8.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,581,841, Jan. 8.

Drake, Nathan L., College Heights, Md., and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,581,842, Jan. 8.

Drake, Nathan L., College Heights, Md., C. M. Eaker, Affton, Mo., and W. J. Shenk, Cleveland, Ohio, assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,605,207, July 29.

Drake, Ralph W., Bremerton, Wash. Automatic watering system. 2,620,770, Dec. 9.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Yarn tensioning means for bobbin winding machines. 2,615,640, Oct. 28.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Warp uniting mechanism. 2,617,173, Nov. 11.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Bobbin winding machine. 2,619,295, Nov. 25.

Drake, Theodore R., and L. R. Huston, Long Beach, Calif. Wall construction. 2,603,841, July 22.

Drakeley, George T., Seattle, and C. V. Hanson, near Renton, assignors to Boeing Airplane Company, Seattle, Wash. Oleo-pneumatic shock strut. 2,609,195, Sept. 2.

Drane, Phillips B., Tulsa, Okla. Pressure and vacuum relief valve. 2,599,979, June 10.

Drangsholt, Christian, Oslo, Norway. Preparation of peptone and amino acid containing extracts from press water. 2,590,517, Mar. 25.

Drapeau, Joseph E., Jr., Calumet City, Ill., and J. H. Smith and R. J. Halsted, Hammond, Ind., assignors to The Gildden Company, Cleveland, Ohio. Sintered iron bodies and processes therefor. 2,610,118, Sept. 9.

Draper Corporation, assignee: *See*—
Berry, Edward J., and Allenson.
Booth, Raymond L.
Budzyna, Walter J., and Flamand.
Consoletti, Paul C.
Flamand, Maurice R.
Moon, Clifford G.
Nichols, Edward C.
Peterson, Fritz B.
Sanderson, Kenneth E.

Draper, Charles S., Newton, and E. P. Bentley, Wollaston, Mass., assignors, by mesne assignments, to Research Corporation. Gunsight having lead computing device. 2,609,606, Sept. 9.

Draper, F. R., assignee: *See*—
Scruggs, John D.

Draper, George C., Rosemere, Quebec, Canada. Attitude indicating unit. 2,594,406, Apr. 29.

Draper, Ralph L., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Jordan engine construction. 2,604,824, July 29.

Draper, William F., Chico, Calif. Portable electric planer. 2,583,637, Jan. 29.

Drapery Hardware Company, Ltd., assignee: *See*—
Burt, Stuart D., Jr.

Draughon, R. C., trustee, assignee: *See*—
Randall, Norman B.

Dravo Corporation, assignee: *See*—
Nowhall, Welrose L., Willison and Stevens.
Pietsch, Herman A.

Dray, Walter R., Yorkville, Ill. Adjustable wheel mount and draft gear arrangement for harvester combines. 2,615,294, Oct. 28.

Drazy, Elbert J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced parabolic modulator. 2,602,919, July 8.

Drechsel, Erhart K.: *See*—
Schaefer, Frederic C., and Drechsel.

Drechsler, Albert C.: *See*—
Young, Leo L., Drechsler, and Brozozowski.

Drechsel, George E. W., Chicago, Ill. Skid chain. 2,591,241, Apr. 1.

Drees, Sophia P., Kansas City, Mo. Cleansing tissue dispenser. 2,592,255, Apr. 8.

Dreese, George A., New Lexington, assignor of nineteen per cent to T. H. Boyle, New Straitsville, fifteen per cent to R. E. Fisher, New Lexington, and fifteen per cent to W. R. Jones, Columbus, Ohio. Armature winder. 2,610,804, Sept. 16.

Dreesen, William R., Indianapolis, Ind. Wax powder applicator and offset eliminator. 2,613,633, Oct. 14.

Dreher, George M., Pittsburgh, Pa. Combustion boat and shield. 2,593,015, Apr. 15.

Dreher, George M., Pittsburgh, Pa. Combustion analysis apparatus. 2,610,107, Sept. 9.

Dreher, John L., and C. F. Carter, Concord, assignors to California Research Corporation, San Francisco, Calif. Grease compositions. 2,614,987, Oct. 21.

Drelbelbis, Logan L., San Juan, Tex., assignor to The M. W. Kellogg Company, Jersey City, N. J. Turbopump structure. 2,606,501, Aug. 12.

Drelbelbis, Logan L., assignor to The M. W. Kellogg Company, New York, N. Y. Launching device. 2,606,725, Aug. 12.

Dreier, Ray C., assignor to Vaughan Mfg. Co., Chicago, Ill. Fulcrum type bottle cap lifter. 2,612,800, Oct. 7.

Dreier-Stalheim Inc., assignee: *See*—
Stålheim, Bror G.

Dreis, Edward M., San Carlos, Calif. Leveling mechanism for hydraulically actuated press brakes. 2,603,145, July 15.

Dreisbach, Robert H., and C. L. Hardwick, assignors to The Magnavox Company, Fort Wayne, Ind. Hum bucking circuit. 2,623,127, Dec. 23.

Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Producing elastic thread. 2,605,508, Aug. 5.

Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Producing elastic thread. 2,605,509, Aug. 5.

Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. 3,4-dimethyl styrene-para-chlorostyrene copolymer. 2,620,329, Dec. 2.

Dreischman, Donald F., Los Altos, and H. H. Eaves, Palo Alto, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube structure. 2,582,684, Jan. 15.

Drell, Arthur, Brooklyn, and H. D. Drell, Kew Garden Hills, N. Y. Detachable button. 2,622,291, Dec. 23.

Drell, Herbert D.: *See*—
Drell, Arthur and H. D.

Dremel, Albert J., Racine, Wis. Hand sander. 2,585,637, Feb. 12.

Drenching Equipment Company Limited, assignee: *See*—
Mitchell, Allan F.

Drengberg, Virgil, Pasadena, Calif. File support. 2,586,925, Feb. 26.

Dressel, Arthur, Great Neck, N. Y., and T. H. Johnson, Rowayton, Conn., assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism. 2,622,523, Dec. 23.

Dressel, Fred G., assignor of one-half to R. W. Poucher, Buffalo, N. Y. Marking device. 2,620,499, Dec. 9.

Dressel, Henry M., assignor to Stackpole Carbon Company, St. Marys, Pa. Double pole snap switch. 2,618,714, Nov. 18.

Dresser Equipment Company, assignee: *See*—
Coberly, Clarence J.
Selberg, John P.

Dresser Industries, Inc., assignee: *See*—
Risley, Roger E., and Kish.
Risley, Roger E., and Whitehill.
Seibert, Carl F.

Dresser Operations, Inc., assignee: *See*—
Kluge, Friedrich H.

Dresser, Willis R.: *See*—
Waller, Fred, and Dresser.

Dressler, Albert, Jr., and A. E. Fowler, Elmira, N. Y. Sanitary smoking pipe. 2,593,016, Apr. 15.

Drever Company, assignee: *See*—
Seabold, Edward J.

Drew, E. F., & Co., Inc., assignee: *See*—
Drew, Ernest F.
Mueller, Herbert H.
Ulmer, Richard C.
Vaiko, Emery I.
Weil, Lester L., and Tusa.

Drew, Ernest F., assignor to E. F. Drew & Co., Inc., New York, N. Y. Apparatus for recovering volatile materials. 2,585,638, Feb. 12.

Drew, John, De Ridder, La., and J. C. Funderburk, Hattiesburg, Miss., assignors to Hercules Powder Company, Wilmington, Del. Preparing stabilized fatty acid nitriles. 2,589,232, Mar. 18.

Drew, John, De Ridder, La., and J. C. Funderburk, Hattiesburg, Miss., assignors to Hercules Powder Company, Wilmington, Del. Preparing stabilized tall oil nitriles. 2,589,233, Mar. 18.

Drew, John, De Ridder, La., and J. C. Funderburk, Hattiesburg, Miss., assignors to Hercules Powder Company, Wilmington, Del. Preparing stabilized rosin nitriles. 2,590,072, Mar. 18.

Drew, Robert D., Wenonah, and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heater. 2,613,924, Oct. 14.

Drewes, Menke, Jr.: *See*—
Breuer, Grant W., Drewes, and Lambeau.

Drewes, Menke, Jr., and E. O. Lambeau, assignors to Breuer Electric Manufacturing Company, Chicago, Ill. Coupling for floor machine brushes. 2,607,601, Aug. 19.

Drewitt, James G. N., Spondon near Derby, and J. Lincoln, London, England, assignors to Celanese Corporation of America. Production of polyesters by reacting a dicarboxylic acid with a diphenol. 2,595,343, May 6.

Drewitt, James G. N.: *See*—
Downing, John, and Drewitt.
Wilcox, Merlyn H., Downing, and Drewitt.

Dreyer, Albert, Lucerne, Switzerland. Manufacturing highly resilient corrugated tubes. 2,581,787, Jan. 8.

Dreyer, Herbert, Los Angeles, Calif. Flexible drive means for concrete vibrators. 2,598,895, June 3.

Dreyer, John F., Cincinnati, Ohio. Dial indicator having polarizing elements. 2,603,129, July 15.

Dreyer, John F., assignor, by mesne assignments, to J. F. Dreyer, doing business as Dreyer Laboratories, Cincinnati, Ohio. Variable light transmission device comprising relatively movable polarized members. 2,617,329, Nov. 11.

Dreyer Laboratories, assignee: *See*—
Dreyer, John F.

Dreyfus, Asher, Jr., Oklahoma City, Okla. Package display rack. 2,583,092, Jan. 22.

Dreyfus, Henry, deceased, London, England, by C. Bonard, administrator, London, and J. H. Rooney and B. Shaw, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of a cellulose ether molding powder. 2,604,412, July 22.

Dreyfus, Henry, deceased, London, England, by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Manufacture of polyureaurethanes. 2,623,867, Dec. 30.

Dreyfus, Ludwig, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Magnetic ore separator. 2,589,065, Mar. 11.

Dreyfus, Ludwig, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric high-frequency generator. 2,609,412, Sept. 2.

Dreyfus, Roger, Paris, France. Automatic bottle stopper. 2,582,318, Jan. 15.

Dreyfuss-Baumann, Pierre, assignee: *See*—
Artoni, Maurice.

Dreyfuss, Paul D.: *See*—
Gasper, Béla, and Dreyfuss.

Dreznes, John J., assignor to United Specialties Company, Chicago, Ill. Air cleaner and silencer. 2,602,520, July 8.

Driehaus, Herman W., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,612,362, Sept. 30.

Dri-Flo Manufacturing Co., assignee: *See*—
Patch, Anthony F.
Vosburg, Guy M.

Drillick, Jacob H., Brooklyn, N. Y. Tape printer. 2,613,262, Oct. 7.

Drisch, Nicolas, Paris, France, assignor, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Production of artificial filaments and similar products from cellulose xanthogenates. 2,621,103, Dec. 9.

Drisch, Nicolas, and A. Bonnet, Paris, France, assignors to Comptoir des Textiles Artificiels. Reduction of the swelling index of regenerated cellulose fibers by steam under pressure. 2,608,460, Aug. 26.

Drisch, Nicolas and P. Herrbach, assignors to La Cellophane, Paris, France. Applying moistureproof coating to regenerated cellulose. 2,597,625, May 20.

Drisch, Nicolas, and P. Herrbach, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Manufacture of yarns from hydroxylated polyvinyl compounds. 2,591,242, Apr. 1.

Drisch, Nicolas, and P. Herrbach, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Spinning of viscose. 2,607,955, Aug. 26.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Manufacture of rayon from viscose with high elongation and spooling in centrifugal cups. 2,591,243, Apr. 1.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Rayon yarn. 2,597,577. May 20.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Pneumatic tire. 2,586,795, Feb. 26.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Production of viscose rayon. 2,586,796, Feb. 26.

Drisch, Nicolas, Paris, and A. Petiton, Saint-Just-Des-Marais, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Treating cellulosic materials. 2,597,624. May 20.

Driscoll, Paul A., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic piston stop. 2,616,262, Nov. 4.

Driskel, Don W.: *See*—
Hayman, Richard L., Driskel, and Hill.

Driskill, Dallas B., San Francisco, Calif. Apparatus for landing rockets and rocket ships. 2,592,873, Apr. 15.

Driskill, Dallas B. and J. W., San Francisco, Calif. Typist's rule. 2,588,498, Mar. 11.

Driskill, George R., San Bernardino, Calif. Flush tank ball operator. 2,580,531, Jan. 1.

Driskill, Joseph W.: *See*—
Driskill, Dallas B. and J. W.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Workpiece supporting and feeding mechanism. 2,616,157, Nov. 4.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Chucking mechanism. 2,597,712, May 20.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Single spindle chucking machine. 2,593,277, Apr. 15.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Control and indicator system for machine tools. 2,620,547, Dec. 9.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Double end turning machine. 2,608,415, Aug. 26.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company, Stock stop. 2,617,175, Nov. 11.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Adjustable lead control. 2,617,307, Nov. 11.

Drissner, Alfred E., and R. Beacom, assignors to The National Acme Company, Cleveland, Ohio. Lead screw threading attachment. 2,581,082, Jan. 1.

Dritz, Arthur, Brooklyn, assignor to John Dritz & Sons, New York, N. Y. Snap fastener assembly tool with penetrable sleeve. 2,615,590, Oct. 28.

Dritz, John, & Sons, assignee: *See*—
Dritz, Arthur.
Dritz, Lawrence L.

Dritz, Lawrence L., Lawrence, assignor to John Dritz & Sons, New York, N. Y. Hole cutter for use with fragile bodies. 2,598,042, May 27.

Driver, Cyril W.: *See*—
Frank, Edward J., and Driver.

Driver-Harris Company, assignee: *See*—
Bash, Francis E.
Blythe, William E.
Lohr, James M.

Driver, John F., Fort Wayne, Ind. Device for facilitating the balancing and testing the balance of grinding wheels. 2,595,777, May 6.

Driver, Wilbur B., Company, assignee: *See*—
Allen, Victor O.

Driver, Wilfred D., Thessalon Township, Ontario, Canada. Folding bed. 2,607,046, Aug. 19.

Droege, Henry J., Pottstown, Pa. Chuck wrench with automatic release. 2,618,995, Nov. 25.

Droeger, Carl C., Greenfield, E. J. Meloy and W. C. Roggie, assignors to Baker-Roos, Inc., Indianapolis, Ind. Scaffold. 2,593,122, Apr. 15.

Drogin, Isaac: *See*—
Skoog, Robert W., and Drogin.

Drohman, Laurence H., Chicago, Ill. Combination tool stand and case. 2,589,234, Mar. 18.

Dron, Douglas W., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Rotary mixer. 2,612,354, Sept. 30.

Dros, Albert A., and A. Koopmans, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multitube heater for hot gas reciprocating engines. 2,621,474, Dec. 16.

Drost, Wilfred: *See*—
Eversole, William G., and Drost.

Drott, Edward A., Milwaukee, Wis. Portable winch. 2,598,517, May 27.

Drouin, Pierre A., Paris, France. Electromagnetic compass. 2,588,619, Mar. 11.

Droukas, Peter, Brockton, Mass. Making insoles. 2,587,446, Feb. 26.

Drouot, Gaston C., assignor to Society "La Precision Mecanique," S. A., Paris, France. Fuel injection pump. 2,582,535, Jan. 15.

Drout, William M., Jr., Linden, N. J., assignor to Standard Oil Development Company. Extractive distillation process. 2,610,141, Sept. 9.

Drozinski, Bronislaw J., Cleveland, Ohio. Power rotor and depth adjustment therefor. 2,612,094, Sept. 30.

Drozinski, Bronislaw J., Cleveland, Ohio. Airplane brake. 2,612,332, Sept. 30.

Drozt, Stanley F., Chicago, Ill. Flexible window screen. 2,598,770, June 3.

Druck, Maurice: *See*—
Spiegel, Lawrence, Behensky, and Druck.

Drucker, Kenneth G., St. Louis, Mo. Pump. 2,607,295, Aug. 19.

Druey, Jean, Riehen, and P. Schmidt, Therwil, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. β,β,β-trichlorethylidene-acetyl-thiophenes. 2,583,508, Jan. 22.

Druey, Jean, Riehen, and P. Schmidt, Therwil, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Quinoxalines and making same. 2,590,075, Mar. 25.

Druge Brothers Manufacturing Co., assignee: *See*—
Druge, Daniel O., and Mitchell.

Druge, Daniel O., Oakland, and E. J. Mitchell, San Leandro, assignors to Druge Brothers Manufacturing Co., Oakland, Calif. Toy vehicle. 2,601,930, July 1.

Drum Corporation, The, assignee: *See*—
Drum, John V.

Drum, Harry S.: *See*—
Hopkins, Alfred, Drum, and Patton.

Drum, Harry S., Abington, and A. Hopkins, assignors to Smith, Drum and Company, Philadelphia, Pa. Wool degreasing machine. 2,593,422, Apr. 22.

Drum, John V., Ypsilanti, Mich., assignor to The Drum Corporation. Wheel changing device. 2,600,740, June 17.

Drum, John V., Grosse Pointe, assignor to The Drum Corporation, Detroit, Mich. Wheel-handling device. 2,600,741, June 17.

Drum, John V., Grosse Pointe, assignor to The Drum Corporation, Detroit, Mich. Wheel-handling device. 2,600,742, June 17.

Drummond, Arthur P., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dry cell. 2,580,664, Jan. 1.

Drummond, Paul E., Rochester, Minn. Engine control device. 2,607,013, Aug. 12.

Drummond, Wendell W.: *See*—
Stalego, Charles J., and Drummond.

Drummond, William D., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Rotary disk to facilitate plow penetration. 2,596,991, May 20.

Drum Parts, Inc., assignee: *See*—
Kojan, John J.

Drury, Cooper C., Dallas, Tex. Securing device. 2,584,194, Feb. 5.

Drury, Herbert R., Waite Hill, Ohio. Centrifugal separator. 2,585,753, Feb. 12.

Drury, Joseph E., Richland, Wash. Air operated ball and roller bearing grease packer. 2,615,532, Oct. 28.

Drury, Thomas W., Sturgis, N. H. Weber, Bronson, and E. F. Loro, Sturgis, Mich., assignors, by mesne assignments, to Kingston Products Corporation, Kokomo, Ind. Directional signal switch. 2,597,078, May 20.

Drury, Victor P., York County, Ontario, Canada. Map holder. 2,581,083, Jan. 1.

Dry Air Products Co., assignee: *See*—
Urdahl, Thomas H.

Dryburgh, Douglas J. W., administrator: *See*—
Waterton, Edmund A.

Dryco Corporation, assignee: *See*—
Miller, James E.

Drycor Felt Company, assignee: *See*—
Gates, Percival T.

Dryden, George H., Baltimore, Md., assignor to General Railway Signal Company, Rochester, N. Y. Dragging equipment detector for railroads. 2,581,084, Jan. 1.

Dryden, Horace W., Modesto, Calif. Fowl identification marker. 2,594,623, Apr. 29.

Dryer, Edward L., assignor to Armstrong Cork Company, Lancaster, Pa. Abrading. 2,598,679, June 3.

Dryer, Edward L., assignor to Armstrong Cork Company, Lancaster, Pa. Venting closure and liner therefor. 2,602,559, July 8.

Dry Ice Converter Corporation, assignee: *See*—
Pritchard, Levi T.

Drying Systems, Inc., assignee: *See*—
Burgess, Russell H.

Dryon, Paul, Auvelais, Belgium. Apparatus for working pastes. 2,610,042, Sept. 9.

Dry-Or-Shade, Inc., assignee: *See*—
Griffin, Harry L.

Drysdale, Donald: *See*—
Saunders, Erle F., and Drysdale.

Drysdale, Robert, Sunnyvale, Calif. Hand electric plane. 2,600,859, June 17.

Duart Manufacturing Co., Ldt., assignee: *See*—
Davis, William H. H., and Schleimer.

Dubar, Léon J. M. J., Paris, and R. P. Millet, Pavillons-sous-Bois, assignors to Compagnie des Freins et Signaux Westinghouse, Paris, France. Manufacturing photo-electric cells. 2,613,301, Oct. 7.

Dubbs, Carbon C., Orange, and R. E. Gosting, Whittier, Calif., said Gosting assignor to said Dubbs. Method and apparatus for molding concrete products. 2,603,850, July 22.

Dubbs, Frederick A., Philadelphia, Pa. Sled or sleigh. 2,592,397, Apr. 8.

Dube, John E.: *See*—
Freedman, Rudolph, and Dube.

Dube, John E., and E. Jones, St. Louis County, assignors to Alco Valve Company, University City, Mo. Solenoid. 2,616,955, Nov. 4.

Dube, Joseph P., Williamstown, Mass. Motion-picture machine with electrically operated shutter and film operator. 2,588,813, Mar. 11.

Dubek, Theodore, Astoria, N. Y. Reciprocating chalk sharpener. 2,588,499, Mar. 11.

Dubied, Edouard, & Cie. (Societe Anonyme), assignee: *See*—
Diem, Hans.

Dubilier Condenser Company (1925) Limited, assignee: *See*—
Woodcock, Jack, and Paridge.

Dubin, Melvin, and M. Goldstein, assignors to Slant-Fin Radiator Corporation, Brooklyn, N. Y. Heat exchange fin and assembly. 2,620,171, Dec. 2.

Dubinsky, Alfred J., La Crosse, Wis. Sectional window drapery. 2,594,624, Apr. 29.

Dubinsky, Alfred J., La Crosse, Wis. Sectional window drapery and liner. 2,609,043, Sept. 2.

Dubner, Harry Jay, New York, N. Y. Undergarment waistline midriff girdle. 2,596,765, May 13.

Du Boff, Philip L., New York, N. Y., and T. H. Dooley, Bayonne, N. J., assignors, by mesne assignments, to P. L. Du Boff, Scarsdale, N. Y. Wall cabinet and support therefor. 2,584,438, Feb. 5.

Du Boff, Philip L., New York, N. Y., and T. H. Dooley, Bayonne, N. J., assignors, by mesne assignments, to Philip L. Du Boff, Scarsdale, N. Y. Collapsible cabinet. 2,600,050, June 10.

Du Bois, Arthur E., Fort Lauderdale, Fla. Attachment device. 2,585,302, Feb. 12.

Dubois, Bernard M.: *See*—
Dubois, Maurice O. and B. M.

Du Bois Company, The, assignee: *See*—
Miller, Samuel J.

Dubois, Georges A., Asnieres, France. Outfit for the packing of dehydrated fruits and vegetables or other applications. 2,621,589, Dec. 16.

Du Bois, Horace A., assignor to Paper Patents Company, Neenah, Wis. Cooling sulfur burner gas. 2,598,116, May 27.

Du Bois, John H., Scotch Plains, assignor to Shaw Insulator Company, Irvington, N. J. Metering spray applicator. 2,583,821, Jan. 29.

Du Bois, Le Roy, New York, N. Y. Liquid dispensing device. 2,613,851, Oct. 14.

Dubois, Maurice O. and B. M., Soisy-sur-Montmorency, France. Device for adjusting the return travel of fluid actuated means. 2,591,793, Apr. 8.

Du Bois, Virgil L., Tulsa, Okla. Pipe line tapping machine. 2,601,434, June 24.

Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel and brake assembly. 2,616,525, Nov. 4.

Duboscland, Paul P. M., Topanga, Calif. Forming roll machine. 2,612,934, Oct. 7.

Dubow, J. A., Manufacturing Co., Inc., assignee: *See*—
Winterbauer, Henry T.

Dubowski, Edward V.: *See*—
Wummel, Clarence H., and Dubowski.

Du Broff, Warren, assignor of one-half to W. E. Weber, Chicago, Ill. Phase sequence and voltage direction indicator. 2,581,178, Jan. 1.

Dubuit, Louis G., Paris, France. Silk screen printing machine. 2,588,620, Mar. 11.

Ducamp, Albert J., Chaville, France. Obtaining torch flame. 2,587,296, Feb. 26.

Ducatman, Frederich P., Plainfield, and C. E. Eisenmann, New Brunswick, assignors to Steatite Research Corporation, Keasbey, N. J. Attaching ends to cylindrical objects of resin impregnated cloth laminates and products so produced. 2,601,266, June 24.

Duch, Gabriel V. A. and M. A., Lyons, France. Cutting cables, tubes, bars, rods, and the like. 2,606,266, Aug. 5.

Duch, Marie A.: *See*—
Duch, Gabriel V. A. and M. A.

Duchacek, Charles F.: *See*—
Robertson, Donald W., and Duchacek.

Du Charme, William S., assignor to Superior Valve Manufacturing Company, Cleveland, Ohio. Valve stem construction. 2,592,256, Apr. 8.

Du Chene, Delton J.: *See*—
Selgh, William J. E. S., and Du Chene.

Duchess Hosiery Mills, assignee: *See*—
Biehl, Charles B.

Duchnofsky, Elsie W., Camden, N. J. Breast supporting garment. 2,621,328, Dec. 16.

Duchon, Karman, Lansing, Ill., and F. H. MacLaren, Munster, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricants. 2,607,732, Aug. 19.

Ducker, Louis F., deceased, Orlando, Fla.; J. F. Burger, executor, assignor of one-half to P. H. Dux, Jacksonville, Fla. Preparing an edible product. 2,596,662, May 13.

Duckering, Richard: *See*—
Gleringer, Carl K., and Duckering.

Duckitt, Harry: *See*—
Stevens, Sydney A., and Duckitt.

Duckoff, Maxwell E., Manchester, N. H. Fabric weaving with groups of elastic and relatively inelastic warps. 2,595,778, May 6.

Duckoff, Maxwell E., Manchester, N. H. Edge binding for use in the manufacture of boots and shoes. 2,622,633, Dec. 23.

Duckworth, Gladys M., Laguna Beach, Calif. Steam generator. 2,614,555, Oct. 21.

Duckworth, Thomas, Glenview, Ill. Alternating piston rotary motor. 2,620,778, Dec. 9.

Ducout, Marcel S., Paris, France. Light controlled musical instrument. 2,603,118, July 15.

Dudek, Gustave C., assignor to Yates-American Machine Company, Beloit, Wis. Ripsaw table having a hinged section. 2,613,699, Oct. 14.

Dudis, Charles G., assignor to The National Cash Register Company, Dayton, Ohio. Rubber drive for printing hammers. 2,587,824, Mar. 4.

Dudis, Charles G., assignor to The National Cash Register Company, Dayton, Ohio. Type member. 2,589,682, Mar. 18.

Dudley, Carl N., Doniphan, Mo. Masonry wall-building machine. 2,616,147, Nov. 4.

Dudley, Edmond R., Jr., San Jose, Calif. Can unscrambler. 2,586,523, Feb. 19.

Dudley, Edmond R., Jr., Santa Clara, Calif. Peach half orientor. 2,610,724, Sept. 16.

Dudley, Edmond R., Jr., San Jose, Calif. Corn husking machine. 2,612,170, Sept. 30.

Dudley, James R.: *See*—
Anthes, John A., and Dudley.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion exchange resins which are polyamine-polyacrylate reaction products. 2,582,194, Jan. 8.

Dudley, James R., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of halogenated unsaturated polycarboxylic acids and polyunsaturated compounds. 2,595,779, May 6.

Dudley, James R., Darien, and J. A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing wet strength paper using polyarylbiguanide-urea resin. 2,596,014, May 6.

Dudley, John C., assignor to Chrysler Corporation, Highland Park, Mich. Installing resilient seals. 2,599,440, June 3.

Dudley, John H., East Petersburg Heights, assignor to Hamilton Watch Company, Lancaster, Pa. Mechanical strip deburring tool. 2,619,881, Dec. 2.

Dudley, John S., Douglas, and C. D. Brandt, assignors to Whitin Machine Works, Whitinsville, Mass. Comber. 2,593,017, Apr. 15.

Dudley, Raymond H., Guilford, and C. A. Larson, assignors to The Whitney Blake Company, Hamden, Conn. Multiple conductor insulated wire. 2,581,472, Jan. 8.

Dudley, Victor I., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Reeling device. 2,589,235, Mar. 18.

Dudley, Victor I., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Vehicle steering mechanism. 2,590,300, Mar. 25.

Dudley, Walter E., Gleason, Wis. Reduction and refining of ferrous ores in one continuous operation. 2,594,298, Apr. 29.

Due, George V., Escalon, Calif. Irrigation signal. 2,594,885, Apr. 29.

Duell, Charles H.: *See*—
Duell, Edith B. and C. H.

Duell, Edith B. and C. H., Detroit, Mich., said C. H. Duell assignor to said E. B. Duell. Cigarette dispensing container. 2,582,821, Jan. 15.

Duell, Morgan V.: *See*—
Boden, George, and Duell.

Duell, Morgan V., Oakville, Conn. Key loop holder and locking means therefor. 2,583,360, Jan. 22.

Duerkoppwerke Aktiengesellschaft, assignee: *See*—
Pudelko, Hermann.

Duerksen, Arnold, assignor to Super Mold Corporation of California, Lodi, Calif. Matrix for tire treads with lateral traction slits. 2,587,297, Feb. 26.

Duerksen, Arnold, assignor to Super Mold Corporation of California, Lodi, Calif. Matrix for tire treads with lateral traction slits. 2,593,547, Apr. 22.

Duerr, Carl F., Jr., Gates Mills, assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Hand-operated motor-driven radial machine tool. 2,590,093, Mar. 25.

Duerr, Herman H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Obtaining multicolored photographic images of increased color density. 2,623,822, Dec. 30.

Duerr, Leonard H., assignor to O P W Corporation, Cincinnati, Ohio. Automatic shutoff dispensing nozzle valve. 2,582,195, Jan. 8.

Duesberg-Basson of America, Inc., assignee: *See*—
Duesberg, Hubert G., and Potter.

Duesberg, Hubert, assignee: *See*—
Crowther, Lawrence.

Duesberg, Hubert C. M. H., Heusy, Belgium. Plant for the treatment of the web in the spinning of textile fibers. 2,622,281, Dec. 23.

Duesberg, Hubert G., Leominster, and C. A. Potter, Templeton, assignors to Duesberg-Basson of America, Inc., Fitchburg, Mass. Varying the count of roving in carding machines. 2,610,361, Sept. 16.

Duesler, Walter J., Gloversville, N. Y. Inside and outside calipers, height and depth gauge, with dial indicator. 2,581,946, Jan. 8.

Du-Fast, Inc., assignee: *See*—
Robins, Samuel D.

Dufault, Homer D., Easthampton, assignor to Heatbath Appliances, Inc., Indian Orchard, Springfield, Mass. Air-cooled gas burner. 2,621,720, Dec. 16.

Dufay-Chromex Limited, assignee: *See*—
Coote, Jack H., and Gathercole.
Coote, Jack H., and Hornsby.
Coote, Jack H., and Jenkins.
Grantham, John A.

Duff, Germain E., Southbridge, Mass. Table and paper roll support for preparing paper for hanging. 2,588,092, Mar. 4.

Duff, John R., Youngstown, Ohio. Golf ball cleaner. 2,608,705, Sept. 2.

Duff, Thomas M., Montgomery County, Md., and P. E. Whittington, Arlington County, Va. Sock drier. 2,620,100, Dec. 2.

Duffee, Paul Y., Houston, Tex. Gate valve. 2,589,784, Mar. 18.

Duffey, Thomas E., West Palm Beach, Fla. Capsule. 2,580,414, Jan. 1.

Duffield, William A., Windsor, Ontario, assignor to Windfields (1946) Limited, Montreal, Quebec, Canada. Speed and torque sensitive governor. 2,587,981, Mar. 4.

Duffield, William A., Windsor, Ontario, assignor to Windfields Limited, Montreal, Quebec, Canada. Automatic variable-speed transmission. 2,588,220, Mar. 4.

Duffin, George F.: *See*—
Kendall, John D., and Duffin.

Duffin, Greekie T., Washington, D. C. Blind. 2,583,361, Jan. 22.

Duffing, Paul, Berlin-Siemensstadt, and F. Gieffers, Berlin-Spandau, assignors to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. High-speed electric switching apparatus. 2,618,718, Nov. 18.

Dufford, Harry M., Chicago, Ill. Changeable pattern stencil for use in molding decorative wall facings. 2,616,145, Nov. 4.

Duffy, Alice, Bronx, N. Y. Collapsible interlocking extensible table. 2,596,663, May 13.

Dufilho, Normand E., Longview, Tex. Rock bit. 2,598,518, May 27.

Dufour, Leon, Geneva, Switzerland. Locking mechanism for a differential. 2,592,668, Apr. 15.

Dufresne, Oliver J., St. Paul, Minn. Inhaler. 2,598,365, May 27.

Dugan, Hugh C., Elyria, Ohio. Making heat exchangers. 2,588,500, Mar. 11.

Dugdale, Robert, Chicago, Ill. Line drier reel. 2,596,766, May 13.

Duggan, William H., Chicago, Ill. Liquid measuring and pouring attachment. 2,619,263, Nov. 25.

Duggar, Llewellyn G., United States Army. Selsyn apparatus for navigational systems. 2,604,529, July 22.

Dugger, Richard L., Hammon, Okla. Tractor hitch for agricultural implements. 2,580,532, Jan. 1.

Dugle, Thomas E.: *See*—
Binns, Jack N., Dugle and Alt.

Duguny, Alphonse, St. Clair Shores, Mich. Gripping device. 2,595,129, Apr. 29.

Duhain, Ernest, Croix, France, assignor to International Harvester Company. Pitman bearing. 2,587,823, Mar. 4.

Duhamel, Howard G., Verona, N. J., E. O. Campbell, Flushing, N. Y., and R. A. Reed, Rutherford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Automatic telephone switching system. 2,604,539, July 22.

Duhme, Charles L., Cincinnati, Ohio. Mop. 2,603,810, July 22.

Du Kane Corporation, assignee: *See*—
Coutelen, Julien H.
Larson, Robert H., and Supitilov.

Dukas, James K., Edwardsville, Pa. Ash-conveying means. 2,593,123, Apr. 15.

Dukas, James K., Edwardsville, Pa. Boiler construction. 2,602,431, July 8.

Dukay Machinery Corporation, assignee: *See*—
Kellner, Paul.

Duke, Charles A., San Antonio, Tex. Nutcracker. 2,596,382, May 13.

Duke, Stephen M., Harwell Didcot, Berkshire, England. High-power vacuum tube. 2,615,137, Oct. 21.

Dukes, Willard F., Jr., Quitman, Ga. Disk tiller. 2,597,079, May 20.

Dulait, Jean, Brussels, Belgium. Rotary beater mill with cylindrical separator structure adjacent the mill outlet. 2,591,141, Apr. 1.

Dulait, Jean, Brussels, Belgium. Process and apparatus for separating finely divided substances. 2,606,659, Aug. 12.

Dulak, John T.: *See*—
Biermann, William A., and Dulak.

Dulane, Inc., assignee: *See*—
Budlane, Stanley J., and Dusek.

Du Laney, George W., Camden, N. J. Cigarette maker. 2,594,747, Apr. 29.

Dulin, Charles H.: *See*—
Weir, James, and Dulin.

Dulken, Charles F., Montclair, H. C. Sonntag, Newark, and G. Westwater, Irvington, N. J., said Westwater and said Sonntag assignors to said Dulken. Conditioning yarn, thread and the like. 2,598,239, May 27.

Dull, John R., La Grange, assignor to Webster-Chicago Corporation, Chicago, Ill. Tuning mechanism for television sets and the like. 2,588,093, Mar. 4.

Dulmage, Frederick E., Saginaw, assignor to The Dow Chemical Company, Midland, Mich. Mixing torpedo for plastics extruders. 2,607,077, Aug. 19.

Dumais, Charles J., Woonsocket, R. I. Tank tread and driving wheel mounting. 2,614,642, Oct. 21.

Dumais, Estelle T.: *See*—
Armand, Estelle T.

Du Mais, Leo J., Chicago, H. Bernzott, Niles, and F. J. Prokop, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable screen stand. 2,591,244, Apr. 1.

Du Mais, Leo J., and F. J. Prokop, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Sliding bracket lock. 2,591,685, Apr. 8.

Du Mais, Leo J., and F. J. Prokop, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Picture screen stand. 2,591,686, Apr. 8.

Du Mais, Leo J., and F. J. Prokop, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Picture screen stand. 2,595,647, May 6.

Du Mais, Leo J., Chicago, and H. Bernzott, Niles, Ill., assignors to Da-Lite Screen Company, Inc. Portable picture screen. 2,611,427, Sept. 23.

Dumas, Henry L. E., Grenoble, France. Current meter. 2,599,901, June 10.

Dumas, Jacques, assignor to Societe Industrielle d'Entreprise et de Mecanique, Paris, France. Pyrotechnical cutting appartaus. 2,605,704, Aug. 5.

Dumas, Leonce, Lausanne, Switzerland. Glove. 2,582,240, Jan. 15.

Dumbauld, George K.: *See*—
Morgan, Bryan E., and Dumbauld.

Dumble, William H., Bakersfield, Calif. Overshot tool string knuckle joint. 2,585,303, Feb. 12.

Dumbleton, Harold F., Alhambra, assignor to Western Equipment Company, Los Angeles, Calif. Making an integrally reinforced airplane construction. 2,615,234, Oct. 28.

Dumigrón y Alzugary, Alejandro, Matanzas, Cuba. Flushing tank. 2,580,898, Jan. 1.

Dummer, Samuel R., Dunellen, N. J. Stretching tool. 2,588,501, Mar. 11.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Abbenhouse, Ralph P.
Beste, Harold E.
Campbell, Richard L.
De Forest, Lee.
Felt, David.
Felt, David C.
Fockler, William G.
Huffman, Charles E.
Hulst, George D.
Nadir, Mark.
Pohle, Eric.
Sanger, Richard B.
Thompson, Donald E.
Ware, Paul.
Winter, David F.

Dumoulin, Louis J.: *See*—
Peyrot, Pierre P., and Domoulin.

Dumousseau, Claude: *See*—
Touraton, Emile, and Dumousseau.

Dunbar, Jack W., assignor to Allegheny Steel Band Company, Pittsburgh, Pa. Tool for tensioning and cutting binding straps. 2,600,224, June 10.

Duncan, Angus W., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Conveyer frame connection. 2,605,887, Aug. 5.

Duncan, Angus W., assignor to The Mining Engineering Company Limited, Worcester, England. Cover for return conveyer runs. 2,609,918, Sept. 9.

Duncan, Angus W., assignor to The Mining Engineering Company Limited, Worcester, England. Cover pan conveyer structure. 2,616,552, Nov. 4.

Duncan, Dwight W., Santa Ana, Calif. Display candle. 2,584,563, Feb. 5.

Duncan Electric Manufacturing Company, assignee: *See*—
Dorsam, William J.
Dorsam, William J., Paine, and Road.
Paine, Louis A., and Smith.

Duncan Foundry and Machine Works, Inc., assignee: *See*—
Duncan, William M.

Duncan, George R., Washington, Mo. Milking system and apparatus therefor. Re. 23,543, Sept. 2.

Duncan, George R., Washington, Mo. Milking domestic farm animals and for temporarily storing milk and cooling it. Re. 23,544, Sept. 2.

Duncan, George R., Washington, Mo. Milking structure. 2,617,382, Nov. 11.

Duncan, George R., Washington, Mo. Milking and handling the milk of farm animals. 2,617,383, Nov. 11.

Duncan, Gordon W.: *See*—
Lifson, William E., and Duncan.
Zimmer, John C., and Duncan.

Duncan, Gordon W., Westfield, N. J., assignor to Standard Oil Development Company. Fuel oil composition. 2,607,665, Aug. 19.

Duncan, James, Ferndale, Mich. Bowl having removable pocket thereon. 2,583,822, Jan. 29.

Duncan, James E., Brackenridge, and J. J. Smith, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Glass to metal seal and glass composition. 2,581,639, Jan. 8.

Duncan, Lee N., Oklahoma City, Okla. Dispenser for lard and similar semisolids. 2,589,066, Mar. 11.

Duncan Parking Meter Corporation, assignee: *See*—
Broussard, Robert.
Broussard, Robert F.
Broussard, Robert F., and Miller.
Broussard, Robert F., and Sollenberger.

Duncan, Perry L., Collegeboro, Ga. Cable outlet box lock. 2,605,012, July 29.

Duncan, Robert K., Woodburn, Ind., assignor to Radio Corporation of America. Noise-canceling microphone. 2,611,035, Sept. 16.

Duncan, Thomas P., Jr., Newport News, Va. Fishing lure for use in connection with haul seine systems. 2,582,015, Jan. 8.

Duncan, William E., Sea Cliff, N. Y. Time-measuring device. 2,582,196, Jan. 8.

Duncan, William L., and E. L. Griggs, Jr., Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Kinetic stop motion device. 2,590,518, Mar. 25.

Duncan, William M., Alton, Ill. Apparatus for making steel castings. 2,586,212, Feb. 19.

Duncan, William M., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill. Molding process. 2,614,303, Oct. 21.

Duncanson, Robert H.: *See*—
Wethe, Harry K., and Duncanson.

Duner Company, assignee: *See*—
Duner, Sven.

Duner, Sven, assignor to Duner Company, Chicago, Ill. Water closet. 2,602,165, July 8.

Dünfründ, Emil, Cologne-Ehrenfeld, Germany. Sprinkling bottle or spray. 2,596,097, May 13.

Dungler, Julien, Basel, Switzerland. Drying machine for fabrics. 2,582,241, Jan. 15.

Dungler, Julien, Basel, Switzerland. Electric switch for use with continuous web. 2,582,972, Jan. 22.

Dungler, Julien, Basel, Switzerland. Cylinder adjusting means for machines for printing fabrics, paper, and other materials. 2,587,606, Mar. 4.

Dungler, Julien, Basel, Switzerland. Drying fibrous sheet material. 2,590,849, Apr. 1.

Dungler, Julien, Basel, Switzerland. Treating sheet material coated with gelatine. 2,590,850, Apr. 1.

Dungler, Julien, Basel, Switzerland. Group of nozzles for treating material. 2,594,299, Apr. 29.

Dungler, Julien, Basel, Switzerland. Selvage guiding and drying apparatus. 2,595,233, May 6.

Dungler, Julien, Basel, Switzerland. Machine for dyeing fabrics. 2,603,077, July 15.

Dungler, Julien, Basel, Switzerland. Stretcher device for fabrics. 2,619,703, Dec. 2.

Dungler, Julien, Basel, Switzerland. Apparatus for stretching and guiding tubular textile articles. 2,623,263, Dec. 30.

Dungler, Julien, Basel, Switzerland. Apparatus for guiding flexible tubular fabrics. 2,623,264, Dec. 30.

Dungler, Julien, Basel, Switzerland. Fluid actuated pressure device. 2,623,361, Dec. 30.

Dungler, Julien, Basel, Switzerland. Liquid-tight device for pairs of rollers forming a trough-shaped reservoir. 2,623,377, Dec. 30.

Dunham, C. A., Company, assignee: *See*—
Werts, Everett W.

Dunham, Delbert F., Long Beach, Calif. Sprinkler head. 2,596,383, May 13.

Dunham, Elmer J.: *See*—
Backofen, E. Ryan and Dunham.

Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,616,578, Nov. 4.

Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,623,654, Dec. 30.

Dunham, Elmer J., and A. W. Gunning, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,601,931, July 1.

Dunham, George W., Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y. Washing machine transmission. 2,583,823, Jan. 29.

Dunham, Robert W., Drexel Hill, Pa., assignor to General Electric Company. Retarded release shock lock. 2,588,914, Mar. 11.

Dunipace, Donald W., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for cutting and breaking glass. 2,584,851, Feb. 5.

Dunkelberger, Milton S., Dayton, Ohio. Toy train and track. 2,585,754, Feb. 12.

Dunkelman, Benjamin, Toronto, Ontario, Canada. Walking aid for small children. 2,594,625, Apr. 29.

Dunlap, Arthur H., Seattle, Wash. Shoulder-bead for use in dry wall construction. 2,593,859, Apr. 22.

Dunlap, Freddie L., Fullerton, Calif. Trailer hitch cover. 2,616,717, Nov. 4.

Dunlap, Henry F.: *See*—
Bilhartz, Harrell L., and Dunlap.

Dunlap, Kermit S., and C. A. Lovell, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spaced-pulse type impulse sender. 2,594,300, Apr. 29.

Dunlap, Ollen L., Long Beach, Calif. Motion converter. 2,610,510, Sept. 16.

Dunlap, William A., assignor to Corry-Jamestown Manufacturing Corporation, Corry, Pa. Follower for file drawer. 2,607,352, Aug. 19.

Dunlap, William C., Jr., Schenectady, N. Y., assignor to General Electric Company. Hall effect device. 2,592,257, Apr. 8.

Dunlap, William C., Jr., Schenectady, N. Y., assignor to General Electric Company. Producing germanium pellets. 2,595,780, May 6.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Potentially reactive furan impregnating solutions. 2,584,681, Feb. 5.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Furfuryl alcohol-ammonium thiocyanate-aldehyde resins. 2,589,683, Mar. 18.

Dunlop, David J., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Making fenders. 2,606,517, Aug. 12.

Dunlop, James, Camp Gaw, and E. F. Durang, West Orange, N. J., assignors of one-half to Westinghouse Electric Corporation, East Pittsburgh, Pa., and one-half to Otis Elevator Company, New York, N. Y. Fire protection system. 2,586,797, Feb. 26.

Dunlop Rim & Wheel Co. Ltd., assignee: *See*—
Wylie, Hamilton N.

Dunlop Rubber Company Limited, assignee: *See*—
Butler, Henry J.
Seddon, Robert M., and Mathews.
Sumner, James D., Goulding, and Golding.
Trevaskis, Henry W.

Dunlop Tire and Rubber Corporation, assignee: *See*—
Barber, Ronald J.
Church, Franklin O.

Dunmire, Russell P., Cleveland, Ohio. Ceramic product and making same. 2,601,105, June 17.

Dunmire, Russell P., Orange, Ohio. Filter. 2,596,384, May 13.

Dunmore, Francis W., Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce. Pulse echo distance and direction finding. 2,582,971, Jan. 22.

Dunn, Clarence L.: *See*—
Cole, Robert M., Dunn, and Pierotti.
Maycock, Russel L., and Dunn.

Dunn, Elman R., Waynesboro, Pa. Soap ring and holder therefor. 2,586,626, Feb. 19.

Dunn, Fenmore E., assignor to A. D. Cook, Incorporated, Lawrenceburg, Ind. Deep-well pump. 2,592,547, Apr. 15.

Dunn, Fred P., Glendale, Calif. Parking lot way control. 2,581,788, Jan. 8.

Dunn, Fred P., Glendale, Calif. Parking way control system. 2,588,502, Mar. 11.

Dunn, George W., Portland, Oreg. Door window and panel fitting gauge. 2,603,880, July 22.

Dunn, Harold C., Andover, Mass., assignor to American Woolen Company, New York, N. Y. Bristle gigging brush. 2,594,886, Apr. 29.

Dunn, James H.: *See*—
Miller, Leo A., Dunn, and Neher.
Miller, Leo A., Dunn, Neher, and Hall.

Dunn, Ralph L., Neptune, N. J., assignor to the United States of America as represented by the Secretary of the Army. Sound ranging computer. 2,611,023, Sept. 16.

Dunn, Robert G., Dayton, Ohio, and R. F. Heiser, Valparaiso, Fla. Deicing device for aircraft fuel systems. 2,623,638, Dec. 30.

Dunn, Roland H.: *See*—
McWhirter, Eric M. S., and Dunn.

Dunn, Roscoe H., Bloomington, Ill. Scaffold end frame. 2,582,625, Jan. 15.

Dunn, Stephen M., Los Angeles, Calif. Valve. 2,608,204, Aug. 26.

Dunn, Thomas B., Long Beach, Calif. Formation and casing tester. 2,589,606, Mar. 18.

Dunn, W. E., Mfg. Company, assignee: *See*—
Glassen, Charles E.

Dunn, Walter R., Teaneck, N. J., assignor to United States Rubber Company, New York, N. Y. Acrylonitrile-isobutylene copolymers and making same. 2,606,176, Aug. 5.

Dunn, William C.: *See*—
Denneen, Francis S., and Dunn.

Dunn, William C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Welding shaft and the like. 2,583,362, Jan. 22.

Dunn, William G., and B. H. Carr, Clarinda, Iowa. Excavating plow and endless conveyer grading machine. 2,618,082, Nov. 18.

Dunn, William N., Martinsburg, W. Va. Carding fibrous material. 2,603,840, July 22.

Dunn, William T.: *See*—
Neracher, Carl A., and Dunn.
Syrovy, Augustin J., Dunn, and Iavelli.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle brake. 2,603,322, July 15.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle brake. 2,613,775, Oct. 14.

Dunnam, Pete H.: *See*—
Bivings, Albert E. and J. A., and Dunnam.

Dunne, John P.: *See*—
Kropa, Edward L., and Dunne.

Dunning, Carroll D.: *See*—
Dunning, Carroll H. and C. D.

Dunning, Carroll H. and C. D., assignors to Dunning Color Corporation, Los Angeles, Calif. Film advancing mechanism in slide film projectors. 2,587,123, Feb. 26.

Dunning Color Corporation, assignee: *See*—
Dunning, Carroll H. and C. D.

Dunning, Homer K., assignor of one-half to O. T. McShane, San Francisco, Calif. Hydraulic dredging machine. 2,599,980, June 10.

Dunning, John W., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Recovering oil from castor beans or the like. 2,618,643, Nov. 18.

Dunning, Ranald G., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Ammonium sulfate recovery. 2,610,906, Sept. 16.

Dunning, Robert M., and R. Guyer, assignors to Waldorf Paper Products Company, St. Paul, Minn. Forming paper can bodies. 2,580,665, Jan. 1.

Dunod, Jean, assignor to Qualitex Societe Dunod et Cie, Paris, France. Safety device for looms. 2,587,982, Mar. 4.

Dunphy, Clifford G., Centre Township, St. Joseph County, Ind. Dust collector for paper machines. 2,586,014, Feb. 19.

Dunwody, Archibald B., Evanston, Ill. Wood-chip preparation for digestors from unbarked logs. 2,596,015, May 6.

Duo-Bed Corp., assignee: *See*—
Frey, Louis E.

Du Perow, Donald E., St. Clair Shores, assignor to Lincoln Brass Works, Inc., Detroit, Mich. Gas burner and cap for supplying secondary air. 2,590,948, Apr. 1.

Dupler, Raymond R., Toledo, Ohio. Room heating unit. 2,622,587, Dec. 23.

Du Pont, Benjamin B.: *See*—
Du Pont, Eleuthere P.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Adelman, Robert L.
Albisetti, Charles J., Jr.
Albisetti, Charles J., Jr., and Fisher.
Alexander, Guy B., and Iler.
Alexander, Guy B., Iler, and Wolter.
Alles, Francis P., and Saner.
Amborski, Leonard E.
Arnold, Herrick R., and Carnahan.
Arthur, Paul, Jr.
Austin, Paul R.
Baldsiefen, Walter D.
Balon, Walter J.
Balthis, Joseph H.
Balthrop, Edward S., Jr.
Bankoff, Seymour G.
Barkdoll, Archie E., Bell, and Graef.
Barkdoll, Archie E., and Whitman.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Continued.
Barnes, William J.
Barnhart, George.
Barnhart, George, and Grimble.
Beaman, Ralph G.
Bechtold, Max F., and Stark.
Beck, Mae L.
Benner, Roland G., and Stevenson.
Benning, Anthony F.
Benning, Anthony F., and Young.
Bernard, Robert A.
Benerman, Ralph A.
Biswell, Charles B.
Blume, Roe C.
Bordner, Charles A.
Bradley, Harris W.
Bradshaw, William H., and Schmitz.
Bristol, John E., and Turnbull.
Broge, Edward C.
Brown, Rodney G.
Bruner, Walter M., and Darden.
Bullitt, Orville H.
Bullitt, Orville H., Jr.
Bullock, Edgar Q., Jr., and Emig.
Buxbaum, Edwin C.
Castle, John E., and Howk.
Catlin, Willard E.
Clark, Robert E., and Turner.
Cline, Edward T., Pinkney, Plambeck, and Stevenson.
Coffman, Donald D.
Cornell, Ernest R.
Cox, Norman L.
Coxe, Charles D.
Curtin, Gerald F., Jr.
Czerwin, Edward P., and Martin.
Daniels, George H., and Verbanc.
Dauber, Adolph F., Gagne and Johnson.
Deinet, Joseph.
Dills, William L.
Duncan, William L., and Griggs.
Dykstra, Harry B.
Eggleston, Watson.
Emmick, Robert D.
Ellingboe, Ellsworth K.
Ellingboe, Ellsworth K., and Rothrock.
Filbert, William F.
Firestine, John C.
Flanagan, John V.
Flannagan, Gordon N.
Flenner, Albert L.
Ford, Thomas A.
Franta, William A.
Glasser, Leo G.
Goebel, Max T., and Iler.
Gray, Allen G.
Gresham, William F.
Gresham, William F., and Grigsby.
Griffith, Esther M.
Griggs, Ernest L., Jr., and Taylor.
Hanford, William E.
Harmon, Jesse.
Haslam, John H.
Hatchard, William R., and Hill.
Haw, John O., and Kimbrough.
Hebeler, Harold H.
Hermann, Carl V.
Heuse, Ralph O., and Wingate.
Hochberg, Seymore.
Hoffman, Robert M., and Signaigo.
Hogsed, Milton J., and Joyce.
Hoover, Fred W.
Horn, Gerald B., and Lewis.
Horning, Samuel C., and Shay.
Howard, Edward G., Jr.
Hucks, Robert T.
Hume, Harold F.
Hurwitz, Marvin J.
Hyson, Archibald M.
Ikeda, Carol K.
Iler, Ralph K.
Izard, Emmette F., and Auspos.
Jeffrey, Douglas C., Jr.
Jelinek, Arthur G.
Jenner, Edward L.
Jennings, Andrew B.
Jessen, Christian C.
Johnson, John R.
Johnson, Paul R.
Joyce, Robert M., Jr.
Karlsson, Carl E. E.
Kay, William L., and Rick.
Kirby, James E.
Krahler, Stanley E.
Kralovec, Robert D., and Huffman.
Krantz, Karl W.
Kraus, Philip B., and Schaumann.
Krause, William S.
Kvalnes, Hamline M.
Lane, Frank W.
Langkammerer, Carl M.
Lathrop, Robert P.
Lawson, Walter E.
Lewis, Paul F.
Lewis, Thomas G.
Linch, Adrian L.
Linville, Robert G.
Llewellyn, Walter E.
Locke, Roy C.
Loder, Donald J.
Lontz, John F.
Lontz, John F., and Robb.
Ludlow, John L.
MacDonald, Robert N.
Martin, Elmore L.
Marvel, Carl S.
Marvel, Carl S., and Miegel.
Maynard, John T.
McAlevy, Ambrose.
McClellan, William B.
McCormack, William B., and Stillmar.
McGrew, Frank C., and Pinkney.
McQueen, David M.
Messinger, Lester H.
Miegel, Ralph E.
Mighton, Charles J.
Moede, Jerome A.
Montenyohl, Victor I., and Olson.
Morrison, John O., and Perkins.
Nadler, Martin L.
Naylor, Marcus A., Jr.
Nichols, James B.
Nichols, Louis A., Jr., and Wescott.
Osdal, Le Verne K.
Pace, Anderson, Jr.
Paulshock, Marvin.
Pavlic, Albert A.
Payne, Willard A., and Vail.
Pease, Donald C., and Handy.
Peckham, Stockman C.
Pike, Ralph E.
Pinkney, Paul S.
Pinkney, Paul S., Pratt, and Wayne.
Pitzl, Gilbert.
Pollock, Frank S., Jr.
Prichard, William W.
Pyle, Cyrus, and Lane.
Raasch, Maynard S.
Rinehart, Stanley R.
Robbins, Gordon B.
Robertson, James A.
Rodman, Ernest A.
Roedel, Milton J.
Rose, Chester E.
Rosenberg, Hans R.
Rothrock, George M.
Rothrock, Henry S.
Ryan, Cornelius J.
Samans, Walter A., and Weaver.
Sampson, Herman J., Jr.
Sanders, Philip F.
Saner, William R.
Saville, Arthur K.
Schaumann, Holger H.
Schneider, Allan K.
Schreyer, Ralph C.
Schroeder, Herman E., and Deinet.
Schupp, Orion E., Jr.
Scott, George W.
Searle, Norman E.
Sears, George W., Jr.
Skiles, Benjamin F.
Sloan, Clifford K.
Smith, Frank E., and Williams.
Snyder, Mark D.
Spaeth, Charles P., and Williams.
Spalding, John R.
Stanton, William A.
Stiles, Alvin B.
Stilmar, Frederic B.
Strain, Daniel E.
Swanson, Ralph G.
Taylor, Robert S.
Theobald, Clement W.
Thomas, John C.
Torrence, Maynard F.
Tullock, Charles W.
Turnbull, Norris.
Umberger, Jacob Q.
Umberger, Jacob Q., and Grumbine.
Upson, Robert W.
Van Etten, Howard A.
Verbanc, John J.
Vinton, William H.
Vogt, Richard R., and Hamill.
Watson, Frederick K.
Watson, Frederick K., Ludlow, and Tallman.
Wells, Adoniram J.
Wernlund, Christian J.
Whitman, Gerald M.
Willcox, Oswin B.
Williams, Herbert B.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Continued.
Winberg, Hilmer E.
Winter, Charles H., Jr.
Wirth, Walter V., and Krahler.
Wolter, Frederick J.
Woodell, Rudolph.
Zwilgmeyer, Frithjof.
Du Pont, Eleuthere P., deceased, Montchanin, Del.; Equitable Trust Company and J. Hemphill, executors of Eleuthere Paul du Pont, assignors to B. B. du Pont, Fairfield, Conn. Belt disengaging mechanism. 2,603,979, July 22.
Du Pont, William J., Toledo, Ohio. Lubricating nozzle. 2,592,874, Apr. 15.
Duprat, Jean L., Sartrouville, France. Electric water-heating tap. 2,597,713, May 20.
Du Pré, Frits K., White Plains, N. Y., assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas engine or refrigerator. 2,590,519, Mar. 25.
Dupre, Henry P.: *See*— Matthysse, Irving F., and Dupre.
Dupre, Henry P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Fluid pressure operated portable compressing tool. 2,600,860, June 17.
Dupre, Henry P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Cam actuated crimping pliers. 2,616,316, Nov. 4.
Du Pree, Sam, assignor to Wingfoot Corporation, Akron, Ohio. Forming and curing plastic compounds. 2,615,203, Oct. 28.
Dupuis, Arthur G., Grosse Pointe Farms, assignor to Motor Products Corporation, Detroit, Mich. Retaining packages in stacked relationship. 2,593,998, Apr. 22.
Dupuis, Conrad L., Eastview, Ontario, and A. Hastie, Carleton Place, Ontario, Canada. Socket casing and switch structure. 2,613, 292, Oct. 7.
Du Puis, Robert N., Northbrook, Ill., and H. J. Wright, Kaukauna, Wis., assignors to Association of American Soap and Glycerine Producers, Inc. Short-oil alkyd resin of low acid number and preparing the same. 2,609,348, Sept. 2.
Dupure, Ford J., assignee: *See*— McGarvey, Robert W.
Dupuy, Arthur O., assignee: *See*— Abreu, Henry J.
Durabla Manufacturing Company, assignee: *See*— Schwaller, Bernard L.
Von Kokeritz, Karl, Blackford and Schwaller.
Durand Metal Products Corporation, assignee: *See*— Wolforth, William C.
Durand, Paul H., Paris, France, assignor to General Railway Signal Company, Rochester, N. Y. Electromagnetic device operable by alternating current. 2,587,983, Mar. 4.
Durang, Edwin F.: *See*— Dunlop, James, and Durang.
Durant, Lyndon A., assignee: *See*— Wolverton, Marcine P.
Durant, Lyndon A., assignor to Royal Patent Corporation, Chicago, Ill. Simulated bowling game device. 2,599,902, June 10.
Durant, Lyndon A., Chicago, Ill., assignor to Royal Patent Corporation. Ball blocking device for inclined runways. 2,618,485, Nov. 18.
Durant, Lyndon A., assignor to General Patent Corporation, Chicago, Ill. Electrical indicating pin ball device. 2,618,486, Nov. 18.
Durant, Lyndon A., and M. J. Binks, assignors to Republic Patent Corporation, Chicago, Ill. Movable simulated bowling pin support and latch therefor. 2,599,903, June 10.
Durant, Lyndon A., and G. Horlick, Chicago, Ill., assignors to Royal Patent Corporation. Step-up switch mechanism. 2,618,719, Nov. 18.
Durant Manufacturing Co., assignee: *See*— Hennessy, Mark M., and Lawrence.
Dura-Rapid Nailer Co., Inc., The, assignee: *See*— Granfield, Henry A.
Durastic Limited, assignee: *See*— Redfarn, Cyril A.
Duratube & Wire Limited, assignee: *See*— Veit, Julius.
Durbin, Vernon, Waban, assignor to National Pneumatic Co., Inc., Boston, Mass. Circuit controlling apparatus. 2,598,519, May 27.
Durbin, Vernon, Waban, and E. W. Johnson, Everett, assignors to National Pneumatic Co. Inc., Boston, Mass. Measuring instrument. 2,623,098, Dec. 23.
Durey, Clarence M., University Heights, Ohio. House number indicating device. 2,601,733, July 1.
Durfee, Benjamin M.: *See*— Lake, Clair D., Aiken, Hamilton, and Durfee.
Lake, Clair D., and Durfee.
Lake, Clair D., Hamilton, and Durfee.
Durgin, Charles B., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent composition. 2,594,257, Apr. 22.
Durgin, Charles B., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent composition. 2,594,258, Apr. 22.
Durham, Charles H., Bedford, Va. Compensating spring take-up tension for bobbin change shuttles. 2,609,843, Sept. 9.
Durham, Corbin W., High Rock, Pa. Power-operated lawn mower. 2,587,298, Feb. 26.
Durham, Darrow P., Long Beach, Calif. Trailer brake operating link. 2,590,238, Mar. 25.
Durham, Dorothy A. and H. N., New York, N. Y. Bottle warmer. 2,596,664, May 13.
Durham, Hobart N.: *See*— Durham, Dorothy A. and H. N.
Durham, Lynn D., Midland, Tex. Portable livestock or cattle spray. 2,595,781, May 6.
Durlron Company, Inc., The, assignee: *See*— Jacobsen, Oystein.
Duristol Inc., assignee: *See*— Schnell, August, and Bosshard.
Durkee Bakery of Carthage, Inc., assignee: *See*— Williams, Paul L.
Durkee, Henry E., Manchester, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Jig grinder. 2,603,040, July 15.
Durkee, James D., Fairlington, Va. Printing telegraph system. 2,613,267, Oct. 7.
Durkee, Maurice M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Recovery of glycerides from tank settlings. 2,601,375, June 24.
Durland, Orie L.: *See*— Lindeman, Jesse G., Heinl, Krehbiel, and Durland.
Durland, Philip C., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Cam cutting machine. 2,583,363, Jan. 22.
Durland, Philip C., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Method and machine for shaping lobed forms. 2,592,875, Apr. 15.
Dürler, Jacques, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Rotary tool carrier for cutting tools. 2,583,477, Jan. 22.
Durney, (Young), Mary M., executrix: *See*— Alexander, William.
Durning, James P., deceased, St. Albans, N. Y., by J. L. Durning, executrix, St. Albans, N. Y., assignor to International Cigar Machinery Company. Cigar machine. 2,603,220, July 15.
Durning, Jean L., executrix: *See*— Durning, James P.
Dur-O-Lite Pencil Company, assignee: *See*— Merryman, Carl.
Du Rostu, Georges L., assignor to Societe Anonyme Andre Citroen, Paris, France. Internal-combustion engine. 2,587,339, Feb. 26.
Du Rostu, Georges L., assignor to Societe Anonyme Andre Citroen, Paris, France. Electromagnetic braking device. 2,620,900, Dec. 9.
Du Rostu, Georges L., Paris, France. Outflow regulator. 2,621,674, Dec. 16.
Durouchoux, Olivier Y.: *See*— Marchal, Raymond H., and Durouchoux.
Du Roy, Jacques, assignee: *See*— French, George O., and Du Roy.
Durr, Frank L., New York, N. Y. Garment hanger. 2,615,603, Oct. 28.
Durst, Giullo, Bolzano, Italy. Camera having blade and cover blind shutter. 2,587,447, Feb. 26.
Durst, Lester P., Beverly Hills, Calif. Tape dispenser. 2,622,681, Dec. 23.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Preparation of α-amino-α, α-diphenylacetic acid. 2,593,860, Apr. 22.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Alkanoyl-α-ethylbenzylureas. 2,612,522, Sept. 30.
Dusek, Robert: *See*— Budlane, Stanley J., and Dusek.
Dusek, Robert, Berwyn, and S. J. Budlane, Chicago, Ill., assignors to Motorola, Inc. Internal-combustion heating apparatus. 2,588,349, Mar. 11.
Duspiva, Franz, Tutzing, Oberbayern, Germany, assignor to Pest Control Limited, Bourn, England. Poisons for destroying insects selectively by the use of alkali-soluble coatings on said poisons. 2,585,755, Feb. 12.
Dussardier, Claude J., Chicago, Ill. Painter's kit. 2,586,524, Feb. 19.
Dustbane Mfg. Company Limited, assignee: *See*— Sawchuk, Michael.
Dustin, John E., Kalamazoo, Mich. Safety fixture for gas service pipes. 2,584,439, Feb. 5.
Dutcher, Harris A.: *See*— Alexander, Cruzan, and Dutcher.
Pankratz, Howard J., Dutcher, and Alleman.
Dutcher, Harris A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of acetylene. 2,582,016, Jan. 8.
Dutilh, Jean-René H., Paris, France. Multichannel telemetering device. 2,597,088, May 20.
Dutro, Lyle: *See*— Faeber, Harry W., and O. V. and L. Dutro.
Dutro, Lyle V.: *See*— Faeber, Harry W., and O. and L. V. Dutro.
Dutro, Orville: *See*— Faeber, Harry W., and O. and L. V. Dutro.
Dutro, Orville V.: *See*— Faeber, Harry W., and O. V. and L. Dutro.

Duttenhofer, John C., assignee: *See*—
Smith, Harry E.
Dutterer, Rex J. L., S. I. Johnson, and A. J. Hein, assignors to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,614,548, Oct. 21.
Dutton, C. H., Company, The, assignee: *See*—
Nycum, Homer C.
Dutton, Gilbert F., Iver Heath, assignor to Electric & Musical Industries Limited, Hayes, England. Manufacturing sound record. 2,622,155, Dec. 16.
Duty, Jacob W., Warrensville, Pa. Live fishing bait and hook holder. 2,603,026, July 15.
Duval, Montague H., Great Neck, N. Y. Compound outlet valve for faucets. 2,582,110, Jan. 8.
Duvall, Wilbur I.: *See*—
Obert, Leonard, and Duvall.
Duvoisin, Jean A., Briarcliff Manor, N. Y., assignor to General Precision Laboratory Incorporated. Intermittent mechanism. 2,605,647, Aug. 5.
Duwos, André, Saint Cloud, assignor to Tecalemit, Societe Anonyme, Paris, France. Oil-bath intake-air filter. 2,590,520.
Dux, Petronella H., assignee: *See*—
Ducker, Louis F.
Duyck, Georges, Tanger, Morocco. Electromagnetic synchronizer. 2,584,116, Feb. 5.
Dvořák, Alois, assignor of one-half to Chirana, národní podnik, Prague, Czechoslovakia. X-ray analysis of materials. 2,589,931, Mar. 18.
Dvorak, Edwin A., Edgerton, Wis. Portable jointer knife grinder. 2,620,606, Dec. 9.
Dvorak, Howard A., Brookfield, Ill., J. W. Juvinall, Indianapolis, Ind., and M. R. Miller, Lombard, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Temperature-controlled soldering iron. 2,582,481, Jan. 15.
Dvorak, William F., Venice, Calif. Compass device. 2,621,409, Dec. 16.
Dvorkin, Harry, Brooklyn, N. Y. Removable top for solid top automobiles. 2,619,919, Dec. 2.
Dvorkovitz, Vladimir, and T. G. Hawley, Jr., Chicago, Ill., assignors to The Diversey Corporation. Washing composition. 2,584,017, Jan. 29.
Dvorkovitz, Vladimir, Winnetka, Ill., and T. G. Hawley, Jr., Englewood, N. J., assignors to The Diversey Corporation. Washing composition. 2,615,846, Oct. 28.
Dvorsky, Alexander L.: *See*—
Palo, Maurice, and Dvorsky.
Dwinell, Charles L., Kansas City, Mo. Illuminable sign having removable lamp and socket units. 2,620,580, Dec. 9.
Dwinell, William G., Indianapolis, Ind., and J. H. Orth, Ames, Iowa. Shaded screen. 2,583,824, Jan. 29.
Dworucek, Felix, New York, N. Y. Bottle closure. 2,590,949, Apr. 1.
Dwyer, F. W., Mfg. Co., assignee: *See*—
Dwyer, James G.
Dwyer, George F., Branford, Conn. Floor sander. 2,588,707, Mar. 11.
Dwyer, James, Colorado Springs, Colo. Balanced load wheelbarrow. 2,588,503, Mar. 11.
Dwyer, James G., Deerfield, Ill., assignor to F. W. Dwyer Mfg. Co. Gas testing instrument. 2,586,313, Feb. 19.
Dwyer, James J.: *See*—
Erb, George H., Dwyer, and Kolessar.
Dyche, Franz A., Houston, Tex. Ground anchor. 2,603,319, July 15.
Dyche, Howard E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Airplane stall warning system. 2,590,521, Mar. 25.
Dyckes, George J.: *See*—
Jewell, Raymond L., and Dyckes.
Dye, Kenneth R., Marine City, and M. Stubnitz, assignors to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat spring. 2,613,732, Oct. 14.
Dye, Walter V., Columbia, Tenn. Direction and caution signaling apparatus for automotive vehicles. 2,584,991, Feb. 12.
Dye, William T., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Organic phosphorous compounds. 2,610,139, Sept. 9.
Dyer, Alvin C.: *See*—
Kabell, Louis J., Richards, and Dyer.
Widdows, Richard G., Dyer, and Rathbun.
Dyer, Clarence A.: *See*—
Wild, Rudolf F., Dyer, Mouzon, and Wills.
Dyer, Clarence A., Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cell and support. 2,612,539, Sept. 30.
Dyer, Frederic T., and R. H. Revett, assignors to Ransomes, Sims & Jefferies, Limited, Ipswich, England. Profile grinding or polishing machine. 2,585,376, Feb. 12.
Dyer, John B., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Transmission. 2,606,452, Aug. 12.
Dyer, John B., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Filter. 2,606,662, Aug. 12.
Dyer, John M., assignor to Philco Corporation, Philadelphia, Pa. High-frequency filter for radio receivers. 2,586,926, Feb. 26.
Dyer, John W.: *See*—
Short, Brooks H., Wilkins, Shaw, and Dyer.
Dyer, Joseph G., Denver, Colo. Apparatus for sealing wells. 2,609,880, Sept. 9.
Dyer, Lloyd W., and G. J. Freese, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus duct plug in adapter. 2,590,522, Mar. 25.
Dyer, Marion R., Washington, D. C. Fluid pressure device for cleaning rifled gun bores and chambers. 2,601,691, July 1.
Dyer, Obie V., Tulare, Calif. Dancing doll. 2,592,669 Apr. 15.
Dyes, Alvin B.: *See*—
Whorton, Leonidas P., Brownscombe, and Dyes.
Dyestuffs and Chemicals, Inc., assignee: *See*—
Adler, Leon, Reinhardt, and Ponath.
Dyřák, Adolf, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Slur cam deflecting device for cotton knitting machines. 2,623,370, Dec. 30.
Dyken, Charles P., assignor to Dyken Manufacturing Company, Saukville, Wis. End guide for rug rolling machines. 2,611,553, Sept. 23.
Dyken, Charles P., Saukville, Wis. Cord inserting device. 2,615,290, Oct. 28.
Dyken Manufacturing Company, assignee: *See*—
Dyken, Charles P.
Dyker, John A.: *See*—
Dorrington, Neill E., Dyker and Peterson.
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Activated addition halogenation. 2,584,992, Feb. 12.
Dykstra, James, Lansing, assignor to General Motors Corporation, Detroit, Mich. Combination front bumper and grille. 2,621,955, Dec. 16.
Dyment Company, The, assignee: *See*—
Mullen, James T.
Dynamatic Corporation, assignee: *See*—
Hayes, Charles T.
Jaeschke, Ralph L.
Winther, Martin P., and Jaeschke.
Dyrr, Jacob V., Bell, Calif., assignor to International Harvester Company. Stop mechanism for implement adjusting cylinders. 2,606,414, Aug. 12.
Dzus Fastener Co., Inc., assignee: *See*—
Gunther, Conrad J.
Dzus, William, West Islip, N. Y. Quick-acting, self-locking fastener. 2,580,666, Jan. 1.
Dzus, William, West Islip, N. Y. Closure fastening device. 2,585,233, Feb. 12.
Dzus, William, West Islip, N. Y. Fastener stud. 2,614,306, Oct. 21.
E. C. I. Handels und Industrie Anstalt Etablissement du Commerce et de l'Industrie, assignee: *See*—
Christen, Albert.
E & J Manufacturing Co., assignee: *See*—
Fox, Le Roy G.
Stanton, Philip L.
E. P. S. Company Limited, assignee: *See*—
Chapman, Edward S.
"E S T"—Etablissement Sciences Techniques, assignee: *See*—
Bonmartini, Giovanni.
E-Z Mills, Inc., assignee: *See*—
Hatny, Charles G.
E-Z Paintr Corporation, assignee: *See*—
Pharris, John A., Fohl, and Touchett.
Eades, James D., Wichita, Kans. Device for opening paper cartons. 2,609,715, Sept. 9.
Eads, Charles L., Los Angeles, Calif. Alarm device. 2,607,313, Aug. 19.
Eads, Howard A.: *See*—
McGarry, James W., and Eads.
Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Balance. 2,582,017, Jan. 8.
Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Condenser lens mount. 2,596,665, May 13.
Eagle Manufacturing Company, assignee: *See*—
Vote, Harold W.
Eagle National Printing and Die Cutting Corp., assignee: *See*—
Aquilla, John.
Eagle-Picher Company, The, assignee: *See*—
Doan, Donald J.
Eagle, Sam: *See*—
Scott, John W., and Eagle.
Eagle Signal Corporation, assignee: *See*—
Pearson, Frank A.
Eagles, Horace W., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet construction. 2,622,754, Dec. 23.
Eaker, Charles M.: *See*—
Drake, Nathan L., and Eaker.
Drake, Nathan L., Eaker, and Shenk.
Eaker, Charles M., Afton, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of trichloroacetic acid and derivatives. 2,613,220, Oct. 7.
Eakin, Keith H., Park Forest, Ill., assignor to The De Laval Separator Company, New York, N. Y. Clarification of sugar cane juice. 2,610,932, Sept. 16.
Eakin, Lourie L., Ventura, Calif. Hoisting apparatus. 2,581,087, Jan. 1.
Eakin, Lourie L., Ventura, Calif. Hoisting apparatus. 2,582,111, Jan. 8.

Eakin, Willard D., Akron, Ohio. Energy-absorbing deceleration apparatus for parachute loads. 2,587,448, Feb. 26.
Eakin, William M., Allison Park, Pa. Plural cable support with clamp. 2,622,123, Dec. 16.
Eakins, William V., Buffalo, N. Y. Pencil point sharpener. 2,605,747, Aug. 5.
Eames, Edward H.: *See*—
Barker, John L., and Eames.
Eames, Loren W., Caseyville, Ill. Disinfectant mat. 2,604,377, July 22.
Eames, Walter R., Warren Township, Macomb County, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pumping system. 2,599,701, June 10.
Eames, Walter R., Jr.: *See*—
Findley, Howard J., and Eames.
Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator dispatching system. 2,581,245, Jan. 1.
Eannarino, George J., assignor to Sarkes Tarzian, Inc., Bloomington, Ind. Locator device for selenium rectifiers. 2,618,692, Nov. 18.
Earhart, Harold W.: *See*—
Waddell, Mathis T., Earhart, Love, and Tiller.
Earhart, Kenneth A., Baltimore, Md., and A. L. Davis, Hastings on Hudson, assignors, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Water-tolerant, heat-convertible, heat- and steam-setting resins for use in inks. 2,581,335, Jan. 8.
Earl, Cecil F., assignee: *See*—
Daoust, George A.
Earl, Charles W., Seminole, Tex. Scraper for removing paraffin from oil well pipes. 2,583,044, Jan. 22.
Earl, Harley J., Detroit, Mich., assignor to Ajax-Consolidated Company, Chicago, Ill. Horizontally movable footrest. 2,602,490, July 8.
Earl, Howard D., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Control panel for accounting machines. 2,594,748, Apr. 29.
Earl, Norman M.: *See*—
Brown, Alexander M., and Earl.
Earl Realty Company, assignee: *See*—
Tom, John E.
Earland, Christopher: *See*—
Alexander, Peter, and Earland.
Earland, Christopher, J. L. Bailey, and D. Carter, assignors to Wolsey Limited, Leicester, England. Treatment of wool with N-chlorine compounds. 2,590,390, Mar. 25.
Earle, Clarence E., Washington, D. C. Safety valve. 2,594,626, Apr. 29.
Earle, Clarence E., and F. P. Somers, Washington, D. C. Rotor and stator for fluid handling machines having surfaces coated with gold. 2,592,876, Apr. 15.
Earle, Guyon L. C., Forest Hills, N. Y. Kitchen cabinet incinerator. 2,584,382, Feb. 5.
Earle, Guyon L. C., Forest Hills, N. Y. Reinforced kitchen or utility unit. 2,602,014, July 1.
Earle, Norman E., Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 2,622,653, Dec. 23.
Earll, Lyman E., Berwyn, Ill. Rack. 2,612,274, Sept. 30.
Earls, Howard G., Syracuse, and W. B. Watson, Clay, N. Y., assignors to General Electric Company. Electromechanical trigonometric converter. 2,594,887, Apr. 29.
Early, Harold C.: *See*—
Cohn, Seymour B., and Early.
Early, Harold C., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War. Radio frequency wattmeter. 2,609,450, Sept. 2.
Early, Paul F., assignor to Standard-Thomson Corporation, Dayton, Ohio. Circuit controlling mechanism for rotatably adjustable spotlights. 2,587,124, Feb. 26.
Earnest, Maxwell L., Portland, Oreg. Splash guard for vehicles. 2,605,119, July 29.
Earnest, Wiley W., Beaumont, Tex. Hubcap lock. 2,594,407, Apr. 29.
Earnhardt, Cornelius F., assignor to Earnhardt Electric Service, Inc., Spartanburg, S. C. Adjustable motor mount for carding machines. 2,592,670, Apr. 15.
Earnhardt Electric Service, Inc., assignee: *See*—
Earnhardt, Cornelius F.
Earnhart, Keith F., assignor of one-half to T. Ericson, Elkhart, Ind. Outboard motor lock. 2,603,080, July 15.
Earp, Charles W., Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio direction finding system. 2,589,236, Mar. 18.
Earp, Charles W., and C. E. Strong, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio system for aircraft guidance. 2,604,621, July 22.
Easly, Joseph C., and H. L. Kellner, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Regeneration of a fixed-bed Fischer-Tropsch catalyst. 2,609,345, Sept. 2.
Eason, Clarence M., assignor to Industrial Clutch Corporation, Waukesha, Wis. Clutch control mechanism. 2,585,234, Feb. 12.
East, Leonard, assignee: *See*—
Causey, Otis A.
East Rutherford Syringes, Inc., assignee: *See*—
Kolodny, Samuel.
East, Vernon A., Malden, Mo. Child's vehicle. 2,616,725, Nov. 4.
East Coast Aeronautics, Inc., assignee: *See*—
Miller, Roy G.
Eastern Industries, Incorporated, assignee: *See*—
Barker, John L.
Barker, John L., and Eames.
Barker, John L., and Midlock.
Eastern Jewelry Finding Works, Inc., assignee: *See*—
Hoeckele, Karl F.
Eastern Laboratories, Inc., assignee: *See*—
Bucknell, William H., and Miessmer.
Eastern Metalcraft Company, Incorporated, The, assignee: *See*—
Herbst, Clifford G.
Eastern Metals Research Co. Inc., assignee: *See*—
Foster, Edwin E.
Lermont, Basil.
Troy, Seymour L.
Eastern Tool & Mfg. Co., assignee: *See*—
Anderson, Carl E.
Peterson, Carl E., and Kastner.
Eastern Venetian Blind Company, The, assignee: *See*—
Rosenbaum, Harry S.
Eastern States Petroleum Co., Inc., assignee: *See*—
Armstrong, John L.
Eastes, John W.: *See*—
Macy, Rudolph, Harris, and Eastes.
Easthampton Rubber Thread Co., assignee: *See*—
Lilley, Samuel C.
Eastman, David P.: *See*—
Blair, Mark L., and Eastman.
Eastman, David P., Chicago, Ill., and T. L. Swansen, Milwaukee, Wis., assignors to United Specialties Company, Chicago, Ill. Turbine wheel. 2,601,969, July 1.
Eastman, Du Bois, Whittier, Calif., assignor to The Texas Company, New York, N. Y. Production of fuel gas from carbonaceous solid fuels. 2,595,234, May 6.
Eastman, Du Bois, Whittier, Calif., and L. P. Gaucher, Tuckahoe, assignors to The Texas Company, New York, N. Y. Manufacture of synthesis gas. 2,582,938, Jan. 15.
Eastman, Du Bois, Scarsdale, E. M. Barber, Wappingers Falls, N. Y., and B. Reynolds, Montclair, N. J., assignors to The Texas Company, New York, N. Y. Manufacture of synthesis gas. 2,591,687, Apr. 8.
Eastman, Du Bois, Scarsdale, and L. P. Gaucher, Mount Vernon, assignors to The Texas Company, New York, N. Y. Catalytic reduction of carbon monoxide with hydrogen. 2,594,301, Apr. 29.
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control apparatus for power-operated gun mounts, 2,596,223, May 13.
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid pressure power control valve mechanism for two-way systems. 2,602,671, July 8.
Eastman, Gilbert O., San Antonio, Tex. Safety valve. 2,593,423, Apr. 22.
Eastman, H. John, assignee: *See*—
Brown, Guy E.
Eastman, Harlan J., assignor to Eastman Oil Well Survey Company, Denver, Colo. Borehole temperature recorder. 2,598,520, May 27.
Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Van Allan.
Allen, Charles F. H., and Wilson.
Askren, Lee T., and Roman.
Baines, Harry, Davey, and Teal.
Ballard, Albert E., Zuehlke, and Allen.
Bancroft, George H.
Baxter, James G.
Baxter, James G., and Kascher.
Bean, Frederic R., and Russell.
Bell, Alan.
Black, Judd H., and Warren.
Bornemann, William.
Bornemann, William, and Albert.
Bornemann, William, and Newman.
Brannock, Kent C.
Broughton, Geoffrey, and Woodward.
Brown, Morris E.
Caldwell, John R.
Capstaff, John G.
Carroll, Burt H., and Hanson.
Carroll, Burt H., and Richey.
Chandler, Jasper S.
Chechak, Jonas J., and Allen.
Coover, Harry W., and Dickey.
Coover, Harry W., Jr., and Dickey.
Coover, Harry W., Jr., Shearer, and Dickey.
Crane, Carlton L.
Cuthbert, William L., Jr.
Dale, Paul D.
Damschroder, Rudolph E.
Davey, Edward P., and Knott.
Dickey, Joseph B.
Dickey, Joseph B., and Coover.
Dickey, Joseph B., and Stanin.
Dickey, Joseph B., and Taylor.
Donovan, Thomas S., and Bean.
Eagle, John H.
Emerson, Howard J., O'Connor, and Emery.
Ester, Virginia C.

Eastman Kodak Company, assignee: *See*—Continued.
Ewald, William P.
Fitch, Harold L.
Fitch, Harold L., and Scudder.
Fontaine, Emile A.
Fordyce, Charles R., and Gramkee.
Fox, Arthur B.
Frame, Gordon F.
Fuerst, Carl C.
Fultz, Allen R.
Fultz, Allen R., and Hudak.
Gearhart, William M., and Pugh.
Glassey, Courtney Q.
Gosling, John W., and Combs.
Gresham, Donald C.
Hagemeyer, Hugh J., Jr.
Hagemeyer, Hugh J., Jr., and Hull.
Hagemeyer, Hugh J., Jr., and Wright.
Harrington, Robert C., Jr.
Harvey, Douglass C.
Hewitson, Edward H., and McClintock.
Hickman, Kenneth C. D.
Hickman, Kenneth C. D., and Barnitz.
Hodges, Howard T.
Holman, Bernard H.
Horton, William H., and Ernisse.
Hiatt, Gordon D., and Williams.
Hull, David C.
Hunter, Clarence S., Hoyt, and Nadeau.
Hunter, Walker F., and Jensen.
Hutchison, Miller R., Jr.
Ives, Charles E.
Jones, John G., and Ulmschneider.
Kesel, Robert E., and Robinson.
Keyes, Grafton H., and Brooker.
Knott, Edward B.
Kridel, Donald J., and Rogers.
Levenson, Gerald I. P.
Loria, Anthony, Vittum, and Weissberger.
Loria, Anthony, Weissberger, and Vittum.
Lowe, Wesley G., and Frame.
Lowe, Wesley G., and Griffin.
Lowe, Wesley G., and Jones.
Luboshez, Benjamin E.
Macleish, Kenneth G.
Magoffin, James E.
Malm, Carl J., and Crane.
Malm, Carl J., and Tanghe.
Malone, Harold L., and Marvin.
Malone, Harold L., and Underwood.
McKee, Edward S.
McLeod, John H.
Meyer, Lester W. A., and Gearhart.
Michatek, Chester W.
Minsk, Louis M., and Taylor.
Minsk, Louis M., Van Deusen, and Robertson.
Morey, Leon P.
Nadeau, Gale F., and Glasoe.
Nadeau, Gale F., and Starck.
Nadeau, Gale F., Starck, and Smith.
Newcomb, Walter C., and Fitter.
Nowak, Chester J., and Colt.
Pribus, Clarence W.
Reiss, Max.
Resch, William A., and Carruthers.
Reynolds, Delbert D., and Kenyon.
Richter, George A., Perkins and Herdle.
Robeson, Charles D.
Rogers, William J.
Schade, Willy.
Schubert, Alvin E., Egan, and Hopkins.
Scudder, Stanley L.
Simmons, Arthur B.
Smith, Robert F., Jr., and Dale.
Soper, Alan K.
Spalding, John W.
Sprague, Robert H.
Staehle, Henry C.
Stauffer, Robert E., and Smith.
Stober, Joseph.
Straley, James M., and Wininger.
Sun, Kuan-Han, and Callear.
Taylor, George J., and Dickey.
Thirtle, John R., and Weissberger.
Thompson, Russell G.
Tolle, Karl.
Towne, Edmund B., and Hill.
Turner, John R.
Turner, John R., and Elliott.
Turner, John R., and Pellman.
Tuttle, Clifton M., and O'Neil.
Tuttle, Fordyce E.
Tuttle, Fordyce E., and Bornemann.
Tuttle, Fordyce E., and Wittel.
Tyler, Arthur W., and O'Neal.
Van Dyck, Kenneth A., and Koch.
Vaughn, Remsen S., and Bean.
Vittum, Paul W., and Kerridge.
Von Bramer, Harold, and Clemens.
Weisler, Leonard.
Weissberger, Arnold, and Edens.
Weissberger, Arnold, Glass, and Vittum.

Eastman Kodak Company, assignee: *See*—Continued.
Weissberger, Arnold, and Vittum.
Wenger, Raymond W.
White, William M.
Wiltala, Edwin S., and Kridel.
Williams, Robert F.
Wittel, Otto.
Yackel, Edward C.
Yackel, Edward C., and Amering.
Young, Richard V., and Weissberger.
Yutzy, Henry C., and Frame.
Yutzy, Henry C., and Leermakers.
Yutzy, Henry C., and Russell.
Yutzy, Henry C., and Yackel.
Eastman Machine Company, assignee: *See*—
Clark, Frederick G.
Eastman Mfg. Company, assignee: *See*—
Niemann, Leroy K.
Eastman Oil Well Survey Company, assignee: *See*—
Brady, Edward F.
Eastman, Harlan J.
Goble, Ralph W.
Goble, Ralph W., and Jackson.
Jackson, Gordon.
Jackson, John G.
Johnson, Charles F.
Staton, James C.
Eastman, Samuel, Co. Inc., assignee: *See*—
Robinson, Elton E.
Easton Car & Construction Company, assignee: *See*—
Fraunfelder, George D.
Easton, Harlan J., Blooming Prairie, Minn. Milk can support. 2,621,883, Dec. 16.
Easton, John D., Harbord, assignor to F. W. Gissing Pty. Limited, Newtown, near Sydney, New South Wales, Australia. Louvre window. 2,587,567, Feb. 26.
Eastwold, Esther E.: *See*—
Schmelsle, Ambrose F., and Eastwold.
Eastwood, Donald E., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Yarn winding machine. 2,609,997, Sept. 9.
Eastwood, Eva, executrix, assignee: *See*—
Eastwood, James.
Eastwood, Fred, New Eltham, L. Lasch, Finchley, and A. E. Rogers, Farnworth, England. Warp beam. 2,580,533, Jan. 1.
Eastwood, James, deceased, Methuen, Mass.; E. Eastwood, executrix, assignor to E. Eastwood. Wool combing machine. 2,596,540, May 13.
Eastwood, Sylvander C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion process. 2,606,861, Aug. 12.
Easy Washing Machine Corporation, assignee: *See*—
Chapin, Bryan W.
Douglas, Peyton W.
Dyer, John B.
Landwier, William G.
Muirhead, James.
Rogers, John P.
Scheele, Charles C.
Eaton, Bruce G., Columbus, Ohio, and W. H. Peters, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Constant center-of-gravity liquid supply system. 2,621,719, Dec. 16.
Eaton, Earl T., Canon City, Colo. Seed drier. 2,622,345, Dec. 23.
Eaton, Ernest E., assignor to Clark Equipment Company, Buchanan, Mich. Synchronizer clutch element. 2,614,671, Oct. 21.
Eaton, Ernest E., Niles, and F. M. Hogue, Barrien Springs, assignors to Clark Equipment Company, Buchanan, Mich. Transmission. 2,602,346, July 8.
Eaton, George F., executor: *See*—
Reed, George R.
Terrill, Delmer D.
Eaton, Gerald, Manchester, assignor to The Taylor & Fenn Co., Hartford, Conn. Wedge facing machine. 2,593,124, Apr. 15.
Eaton, Gerald, Manchester, assignor, by mesne assignments, to The H. P. Townsend Manufacturing Company, Elmwood, Conn. Flash cutter for rubber heels. 2,620,873, Dec. 9.
Eaton, Gerald L., Lansdowne, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Method and apparatus for the manufacture of carbureted water gas. 2,606,828, Aug. 12.
Eaton Laboratories, Inc., assignee: *See*—
Austin, Franklin L., and Hastie.
Hayes, Kenyon J.
Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Apparatus for conveying packages. 2,601,376, June 24.
Eaton Manufacturing Company, assignee: *See*—
Carlson, Gustav W.
Christie, Chester D.
Eames, Walter R.
Findley, Howard J.
Findley, Howard J., and Eames.
Gamundi, Reynold F.
Reed, George R.
Russell, Robert C.
Winther, Martin P., and Findley.

Eaton, Milton, Shawinigan Falls, assignor to The Shawinigan Water and Power Company, Montreal, Quebec, Canada. Electric boiler. 2,611,852, Sept. 23.
Eaton, Richard C., North Syracuse, N. Y., assignor to General Electric Company. Continuous wave detection system. 2,588,094, Mar. 4.
Eaton, Samuel E., Lexington, and C. G. Harford, Quincy, assignors to Arthur D. Little, Inc., Cambridge, Mass. Congulating asbestos. 2,593,125, Apr. 15.
Eaton, Samuel E., Lexington, and R. W. Fabian, West Newton, assignors to Arthur D. Little, Inc., Cambridge, Mass. Printing process wherein an alkaline substance passing through stencil openings effects coupling of an azo dye in situ. 2,597,306, May 20.
Eaton, Samuel E., Lexington, Mass., assignor, by mesne assignments, to Oneida, Ltd., Oneida, N. Y. Electropolishing. 2,610,143, Sept. 9.
Eaton, Samuel E., Lexington, Mass., assignor, by mesne assignments, to Oneida, Ltd., Oneida, N. Y. Electropolishing. 2,610,144, Sept. 9.
Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Automatic steering system. 2,614,249, Oct. 14.
Eaton, Warren S., Los Angeles, Calif. Frequency receiving bell with an elastically yieldable diaphragm extending across its mouth. 2,614,646, Oct. 21.
Eaton, Wilfred A., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., and one-half to a group comprising A. C. Fessenden, and Ace Carton Corporation, Chicago, Ill. Container. 2,596,225, May 13.
Eaton, Wilfred A., and R. S. Sanford, Oakville, Conn., assignors, by mesne assignments, of one-half to Ex-Cello-O Corporation, Detroit, Mich., and one-half to a group comprising A. C. Fessenden and Ace Carton Corporation, Chicago, Ill. Paper Container. 2,596,224, May 13.
Eaton, William, Glen Head, N. Y. Belt base. 2,602,932, July 15.
Eaton, William V., Cleveland, Ohio. Dispenser having brush operated means for reciprocating the supply container and loosening the material contained therein. 2,580,899, Jan. 1.
Eaves, Hubert H.: *See*—
Drieschman, Donald F., and Eaves.
Ebauches S. A., assignee: *See*—
Robert-Charrue, Fritz-André.
Ebbert, Thomas H., Los Angeles, Calif. Trombone balancer. 2,615,361, Oct. 28.
Ebel, Lawrence C., Dobbs Ferry, N. Y., assignor to Anaconda Wire and Cable Company. Gas-filled power cable with embossed tape. 2,591,794, Apr. 8.
Ebeling, Dolph G.: *See*—
Studders, Robert J., and Ebeling.
Eberhard, Everett: *See*—
Moore, Raymond P., Jr., and Eberhard.
Eberhard, Everett, Haddonfield, N. J., assignor to Radio Corporation of America. Semiconductor multivibrator circuit. 2,605,306, July 29.
Eberhard, Gene E., assignee: *See*—
Shippey, Albert J.
Eberhardt, Arthur, Sao Paulo, Brazil. Automobile theft preventing ignition attachment. 2,620,387, Dec. 2.
Eberhardt, Daniel A., St. Louis, Mo. Locking device for the sliding members of an extensible frame. 2,620,211, Dec. 2.
Eberhardt, Joseph R., St. Louis, Mo. Serving and utility tray. 2,597,460, May 20.
Eberhart, Dale R.: *See*—
Lecher, Hans Z., and Eberhart.
Eberl, James J.: *See*—
Ingram, Alvin R., and Eberl.
Eberl, James J., Piscataway Township, Middlesex County, N. J., assignor to Johnson & Johnson. Cast for orthopedic use. 2,582,242, Jan. 15.
Eberl, James J., Bound Brook, N. J., assignor to Johnson & Johnson. Thermoplastic cast material. 2,616,418, Nov. 4.
Eberly, Kenneth C.: *See*—
Crane, Grant, and Eberly.
Eberly, Kenneth C., Akron, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Chlorination of butadiene. 2,581,929, Jan. 8.
Ebert, Edward A., Snyder, N. Y. Fish spoon bait. 2,605,575, Aug. 5.
Ebert, Edward A., Snyder, N. Y. Aerated bait container. 2,613,472, Oct. 14.
Ebert, Howard P.: *See*—
Manrer, Spencer B., and Ebert.
Ebert, John E., Woodside, assignor to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Resistance comparator. 2,613,251, Oct. 7.
Ebert, Michael S.: *See*—
Rogers, Louis F., and Ebert.
Eberwein, Leonard R., Topeka, Kans. Illuminated directory. 2,601,106, June 17.
Eberz, William F.: *See*—
Robinson, Robert A., and Eberz.
Ebner, Alfred J., Pittsburgh, Pa. Gas-washing apparatus. 2,600,743, June 17.
Eborall, Esther M. D., London, W. A. Baker, Harrow Weald, and E. A. G. Liddiard, Farnham Royal, England; said Eborall and said Baker assignors to said Liddiard. Production of hydrogen. 2,623,812, Dec. 30.
Eby, George W., Oregon City, Oreg. Control for setting piling. 2,623,770, Dec. 30.
Eby, Lawrence T.: *See*—
Mikeska, Louis A., and Eby.
Eby, Lawrence T., Roselle, N. J., assignor, to Standard Oil Development Company. Diesel fuel containing ditertiary alkyl sulfides as ignition promoters. 2,614,914, Oct. 21.
Eccles, Forrest K., Reno, Nev. Bathythermograph pen lifting attachment. 2,585,921, Feb. 19.
Eccles, Thomas, and H. Halkyard, Spondon, near Derby, England, assignors to British Celanese Limited. Textile apparatus. 2,585,097, Feb. 12.
Echols, Joseph, Steubenville, Ohio, assignor to National Steel Corporation. Sample cutting apparatus. 2,621,739, Dec. 16.
Eck, Frank T., Glendale, Calif. Load bracing structure for vehicles. 2,608,420, Aug. 26.
Eck, Henry J., assignor to The Bell Machine Company, Oshkosh, Wis. Automatic mortising and tenoning machine. 2,586,798, Feb. 26.
Eckardt, Helmuth, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ribbon-type microphone diaphragm. 2,608,265, Aug. 26.
Eckart, De Merle E., Abilene, and J. R. Rosenleaf, Enterprise, Kans. Bedpan. 2,604,634, July 29.
Eckart, De Merle E., Abilene, and J. R. Rosenleaf, Enterprise, Kans. Valved bedpan. 2,606,327, Aug. 12.
Eckdahl, Donald E.: *See*—
Baker, Richard H., and Eckdahl.
Sprague, Richard E., and Eckdahl.
Eckdahl, Harold L., Robbinsdale, Minn. Honey bottling tank. 2,602,546, July 8.
Eckel, Arthur F., Inglewood, Calif. Structural form of slide rules. 2,615,630, Oct. 28.
Eckel, John E., assignor to Oil Center Tool Company, Houston, Tex. Wellhead. 2,591,142, Apr. 1.
Eckel, John E., assignor to Oil Center Tool Company, Houston, Tex. Well head seal. 2,610,689, Sept. 16.
Eckel, John E., and F. Richard, assignors to Oil Center Tool Company, Houston, Tex. Wellhead. 2,589,483, Mar. 18.
Eckel, John F., Schenectady, N. Y., assignor to General Electric Company. Lead cable sheath alloy. 2,588,095, Mar. 4.
Eckel, Joseph C., Pittsburgh, Pa., assignor to United States Steel Company. Making enameling sheets. 2,602,034, July 1.
Eckel, Joseph C., Pittsburgh, Pa., assignor to United States Steel Company. High-temperature box annealing process for ferrous vitreous enameling sheet stock. 2,603,577, July 15.
Eckel, Oliver C., Cambridge, Mass. Door construction. 2,619,167, Nov. 25.
Eckels, Horace C., La Grange, Ill. Folding base for automobile jacks. 2,580,743, Jan. 1.
Eckenboy, Russell, Detroit, Mich. Bottle opener and seal cutter. 2,588,096, Mar. 4.
Eckers, Carl G., assignor to Aktiebolaget Separator, Stockholm, Sweden. Method and apparatus for centrifugal separation. 2,599,619, June 10.
Eckert, Charles F., Westwood, N. J., assignor to United States Rubber Company, New York, N. Y. Frothing rubber latex. 2,617,840, Nov. 11.
Eckert, George W.: *See*—
Knowles, Edwin C., Puryear, and Eckert.
Eckert, George W., Glenham, assignor to The Texas Company, New York, N. Y. Lithium soap grease containing basic alkaline earth metal sulfonate. 2,610,946, Sept. 16.
Eckert, John P., Jr., Gladwyne, and J. W. Mauchly, Ambler, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Signal responsive circuit. 2,590,950, Apr. 1.
Eckert, John P., Jr., Gladwyne, and J. W. Mauchly, Ambler, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Signal responsive apparatus. 2,600,744, June 17.
Eckert, John P., Jr., and L. R. Mock, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Cylindrical contact magnetic head. 2,618,709, Nov. 18.
Eckert, John S., Kent, assignor to The United States Stoneware Company, Akron, Ohio. Method and apparatus for giving an internal gloss finish to a tube of heat plastic material. 2,583,329, Jan. 22.
Eckert, John S., Kent, assignor to The United States Stoneware Company, Akron, Ohio. Apparatus for giving an internal gloss finish to a tube or the like of heat plastic material. 2,583,330, Jan. 22.
Eckert, Joseph: *See*—
Larsen, Lewis, and Eckert.
Eckert-Mauchly Computer Corporation, assignee: *See*—
Eckert, John P., Jr., and Mauchly.
Eckert, John P., Jr., and Mock.
Weiner, James R.
Eckfeldt, Edgar L., Ambler, assignor to Leeds and Northrup Company, Philadelphia, Pa. Electrolytic titrimeter. 2,621,671, Dec. 16.
Eckler, Leopold, Summit, and W. P. Moeller, Orange, N. J., assignors to Celanese Corporation of America, New York, N. Y. Preparation of film casting surfaces. 2,622,278, Dec. 23.
Eckles, Harley B., Portland, Oreg. Fireplace screen. 2,616,499, Nov. 4.

Ecklund, Rudolph T., Aitkin, Minn. Bedclothes lifting and supporting device. 2,611,139, Sept. 23.

Eckman, Donald P.: *See*—
Wannamaker, William H., Jr., and Eckman.

Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic control system. 2,588,621, Mar. 11.

Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic control apparatus. 2,588,622, Mar. 11.

Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid flow measuring apparatus. 2,606,445, Aug. 12.

Eckman, George E., Oradell, N. J., assignor to American Can Company, New York, N. Y. Fiber container with improved tearing strip. 2,608,341, Aug. 26.

Eckmayer, Nicholas S., Chicago, Ill. Can opener. 2,596,892, May 13.

Eckstein, Conrad: *See*—
Lundvall, Elmer E., Becker, and Eckstein.

Eckstrom, Albert W., Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for supplying and distributing liquids. 2,583,364, Jan. 22.

Eclipse Air Brush Co., assignee: *See*—
MacWilliam, Wallace.

Eclipse Sleep Products Inc., assignee: *See*—
Martin, Joseph.

Economakis, George P., Asbury Park, N. J. Article of manufacture in the form of a picture and making same. 2,592,258. Apr. 8.

Economy Faucet Company, assignee: *See*—
Gordinier, Ralph E.

Economy Fuse and Manufacturing Co., assignee: *See*—
Laing, Gordon F.
Messer, John S., and Davis.

Economy Pumps, Inc., assignee: *See*—
Morey, Carl.

Econotool Company, The, assignee: *See*—
Middleton, Burton E.

Ecremeuses Melotte, Societe Anonyme, assignee: *See*—
Henrard, Fernand J. J.

Ecuer, Raymond, Valentigney, France. Multiple stage anchoring device. 2,589,484, Mar. 18.

Ecusta Paper Corporation, assignee: *See*—
Haswell, Henry L.
Matthews, Robinson E., and Harrison.
Schur, Milton O., and Levy.

Eddishaw, John E., Atlantic City, N. J. Truss. 2,610,623, Sept. 16.

Eddy, Edwyn A.: *See*—
Beck, Derwood A., and Eddy.

Eddy, Floyd L., Los Angeles, Calif. Dispenser for paste-like substance having a vaned rotary extruding element. 2,583,365, Jan. 22.

Eddy, Jason A., assignee: *See*—
Rilea, Howard P.

Eddy, John W., Renton, Wash., assignor to Remington Rand Inc., New York, N. Y. Visible card index and signal. 2,595,648, May 6.

Eddy, William R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Magnetic change-over valve. 2,609,669, Sept. 9.

Eddy, William R., and T. A. St. Clair, Bartlesville, Okla., assignors to Phillips Petroleum Company. Automatic selector, change-over regulator and indicator device. 2,592,259, Apr. 8.

Eddystone Machinery Company, assignee: *See*—
Aulen, Walter E.

Edel, Walter L.: *See*—
Stemmons, Robert, and Edel.

Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Louisville, Ky. Uniform pressure absorption evaporator. 2,598,240, May 27.

Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Louisville, Ky. Generator assembly apparatus for uniform pressure absorption type refrigerators. 2,623,366, Dec. 30.

Edelblute, Thomas H., Reynoldsville, Pa. Load binder. 2,608,383, Aug. 26.

Edelen, James G., Baltimore, Md. Bed rail and post rail connection. 2,602,939, July 15.

Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor flow testing apparatus. 2,597,231, May 20.

Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Liquid level gauge. Re. 23,493, May 20.

Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Liquid level gauge. 2,581,085, Jan. 1.

Edelman, Irving, Brooklyn, N. Y. Automatic toaster. 2,588,221, Mar. 4.

Edelman, Leonard E.: *See*—
Thomas, Charles C. H., and Edelman.

Edelman, Seymour, Silver Spring, and A. London, Chevy Chase, Md. Frequency band generator. 2,623,605, Dec. 30.

Edelson, Leo: *See*—
Ponder, Speers G., Fischer, and Edelson.

Edelstein, Murray L., Columbus, Ohio., assignor to Curtiss-Wright Corporation. Low precession gyroscope. 2,613,538, Oct. 14.

Edenfield, Eli E., Lakeland, and E. M. Gabriel, Jacksonville Beach, Fla. Pivotally supported tire bead forcing device. 2,581,086, Jan. 1.

Edens, Charles O., Jr.: *See*—
Weissberger, Arnold, and Edens.

Edens, Ralph A., East Detroit, Mich. Toolholder for tapered shanked tools. 2,612,377, Sept. 30.

Eder, George D., Gardner, Kans. Expansion joint cleaner. 2,584,993, Feb. 12.

Eder, John, St. Albans, N. Y. Clamp for wire cables. 2,597,626, May 20.

Eder, John F., Sherman, Tex. Fishing lure. 2,598,771, June 3.

Eder, John F., and G. H. Wilcox, Sherman, Tex. Bottle carrier. 2,593,861, Apr. 22.

Eder, Theodor, Vienna, Austria. Process of and apparatus for strictly limited separation of mixtures by the speed of fall in liquid media. 2,610,737, Sept. 16.

Ederer, Lothar A., assignor to R. J. Ederer Company, Chicago, Ill. Game net and making the same. 2,610,852, Sept. 16.

Ederer, R. J., Company, assignee: *See*—
Ederer, Lothar A.

Edgar, Owen B.: *See*—
Coffey, David H., Edgar, Meyrick, and Watts.

Edgar, Robert F., Pattersonville, N. Y., assignor to General Electric Company. Bearing. 2,590,761, Mar. 25.

Edgar, Robert F., Schenectady, N. Y., assignor to General Electric Company. Adjustable permanent magnet assembly. 2,587,299, Feb. 26.

Edgar, Robert F., Pattersonville, and L. Levine, Albany, N. Y., assignors to General Electric Company. Float device. 2,596,666, May 13.

Edgard, Leo H., London, England. Waistband for use on garments. 2,583,689, Jan. 29.

Edge, Alfred J.: *See*—
Edge, Walter S. and A. J.

Edge, Herbert A., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Recovery of SO_2. 2,589,684, Mar. 18.

Edge, Nelson J., assignee: *See*—
Jansen, Charles.

Edge, Walter S., Kansas City, Mo., and A. J. Edge, Jacksonville, Fla. Wire fabric structural member. 2,592,548, Apr. 15.

Edger, Urey W., Louisville, Ky. Soap holder. 2,597,925, May 27.

Edgerly, Fay H., Detroit, Mich. Hollow floor heating system. 2,593,424, Apr. 22.

Edgerton, Harold E., Belmont, Mass. Light integrator. 2,588,368, Mar. 11.

Edi Holding, Inc., assignee: *See*—
Spierer, Edward D.

Edington, William A., Shreveport, La. Shoe polishing machine. 2,589,785, Mar. 18.

Edison, Thomas A., Incorporated, assignee: *See*—
Huenlich, Charles, and Gramann.
Kegan, Albert I.
Moulton, Joseph D.
Moulton, Joseph D., and Enters.
Somers, Richard M.
Stamper, Willson Y.

Edlund, Daniel L.: *See*—
Strauss, Jerome, and Edlund.

Edman, Carl A., Fairfield, Conn., assignor to General Electric Company. Ventilation and cooling of household mixers. 2,615,942, Oct. 28.

Edmands, John W., Newton Highlands, Mass. Apparatus for loading and reloading revolvers. 2,620,584, Dec. 9.

Edmiston, Edmund E., assignee: *See*—
Miller, Edgar H.

Edmonds, Albert H.: *See*—
Waddell, Homer J., and Edmonds.

Edmonds, James T.: *See*—
Hillyer, John C., and Edmonds.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Edmondson, Jay N., H. Poulos, and C. R. James, Columbus, Ohio. Stapling machine. 2,592,398, Apr. 8.

Edmondson, William H.: *See*—
Richardson, Ralph R., and Edmondson.

Edmunds, Glenn E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Headlight with resiliently mounted sealed-beam bulb. 2,620,434, Dec. 2.

Edmunds, Howard M., New York, N. Y. Axonometric drawing device. 2,615,251, Oct. 28.

Edmunds, Raymond S., Jr., San Antonio, Tex. Rotary cylinder heat exchanger with scraper. 2,589,350, Mar. 18.

Ednie, James F.: *See*—
Graves, Ritson H., and Ednie.

Ednie, James F., Bellevue, Pa., assignor to The American Metal Company, Ltd., New York, N. Y. Lead base alloy. 2,597,461, May 20.

Edo Corporation, assignee: *See*—
Ries, Rudy F.

Edrington, Prentice E., trustee, assignee: *See*—
Bell, Keith L.

Edsall, Harrison G., Spokane, Wash. Spectacle shield. 2,580,744, Jan. 1.

Edsall, William S., Cambridge, assignor to The Chase-Shawmut Company, Newburyport, Mass. Apparatus for testing and demonstrating characteristics of fusible protective devices. 2,605,322, July 29.

Edsall, William S., Boston, Mass., K. W. Swain, Hampton Falls, N. H., and F. J. Kozacka, Amesbury, assignors to The Chase-Shawmut Company, Newburyport, Mass. Current-limiting fuse. 2,592,399, Apr. 8.

Edson, Alden P.: *See*—
Martin, Erle, and Edson.
Moore, Earl K., and Edson.

Edson, James O., Warren Township, Somerset County, and J. G. Kreer, Jr., Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Counting circuit. 2,614,141, Oct. 14.

Edson, James O., Warren Township, Somerset County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trigger circuit. 2,614,142, Oct. 14.

Edwal Laboratories, Inc., The, assignee: *See*—
Krueger, John.
Schwarcz, Morton.

Edward Valves Incorporated, assignee: *See*—
MacGregor, David.
Markel, Michael A., and MacGregor.

Edward, W., & Co. (London) Limited, assignee: *See*—
Mansfield, Ernest J.

Edwards, Alfred B., Jr., Plandome, N. Y. Window. 2,589,685, Mar. 18.

Edwards, Andrew W., East McKessport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,590,524, Mar. 25.

Edwards, Andrew W., East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuse cutout. 2,621,270, Dec. 9.

Edwards, Andrew W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter contact pressure increasing device. 2,590,523. Mar. 25.

Edwards, Arthur R., Evansville, Ind., assignor to International Harvester Company. Combination temperature control and illuminating light container for refrigerator cabinets. 2,618,126, Nov. 18.

Edwards, Benjamin F., Santa Monica, Calif. Card game equipment. 2,600,951, June 17.

Edwards, Charles K., assignor to Shelvoke and Drewry Limited, Letchworth, England. Refuse vehicles. 2,606,674, Aug. 12.

Edwards, Charles N., Washington, D. C. Bearing with one end support. 2,622,941, Dec. 23.

Edwards, Charles R., deceased, Houston, Tex.; F. R. Edwards, executrix. Pipe releasing means. 2,586,015, Feb. 19.

Edwards Company, Inc., assignee: *See*—
Kreiner, John E.
Verkuil, Leo L., and Russo.

Edwards, Curtis V., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Subsoil breaker. 2,582,482, Jan. 15.

Edwards, Cyril H.: *See*—
Stanley, William E., and Edwards.

Edwards, Donald W., Dixon, Ill. Device for artificially inseminating animals. 2,587,984, Mar. 4.

Edwards, Elbert E., Bigelow, Minn. Double-deck holder 2,603,168, July 15.

Edwards, Frances R., executrix: *See*—
Edwards, Charles R.

Edwards, Francis E., Jr., Chicago, Ill., assignor to Buehler and Company. Clutch and brake for a servo mechanism. 2,595,190, Apr. 29.

Edwards, Frank, San Francisco, Calif. Signaling device. 2,610,604, Sept. 16.

Edwards, Franklin G.: *See*—
Henson, Walter A., and Edwards.

Edwards, Franklin W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Heater. 2,592,400, Apr. 8.

Edwards, Fred I., Washington, D. C., and S. A. Hall, Mount Rainier, Md. Purification of parathion. 2,605,279. July 29.

Edwards, Frederick J., West Kirby, England. Picture frame. 2,581,843, Jan. 8.

Edwards, Frederick R., Houston, Tex. Measuring apparatus. 2,620,875, Dec. 9.

Edwards, George E.: *See*—
Bennett, Alfred, Prince, and Edwards.

Edwards, George W., Mitry le Neuf, assignor to Société Anonyme Française pour la Séparation, l'Emulsion et le Mélange (procédés S. E. M.), Paris, France. Centrifuge for separating a liquid from solid material. 2,593,278. Apr. 15.

Edwards, George W., Mitry-le-Neuf, assignor to Societe Anonyme Française pour la Separation, l'Emulsion et le Melange (Procedes S. E. M.), Paris, France. Acid refining of hydrocarbons. 2,605,213, July 29.

Edwards, H. T., assignee: *See*—
Lovelace, Cleo.

Edwards, Harold, and G. H. Goodemote, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window frame and sash assembly. 2,586,525, Feb. 19.

Edwards, Harry D., assignor to Ilford Limited, Ilford, England. Polymethine dyestuffs. 2,600,380, June 17.

Edwards, Harry D., London, and J. D. Kendall, assignors to Ilford Limited, Ilford, England. Methine dyestuffs. 2,603,642, July 15.

Edwards, Harry S.: *See*—
Clarke, Richard G., Derbyshire, Edwards, and Shore.

Edwards, James M., assignor of one-third to B. B. Wright, Wink, Tex. Circumferentially traveling tire bead prying tool. 2,610,672, Sept. 16.

Edwards, James R.: *See*—
Nichols, Charles A., Bower, Weiser, Edwards, Fletcher, McCoy, and Sample.

Edwards, John D., Seattle, Wash. Syringe. 2,610,626, Sept. 16.

Edwards, Junius D., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum paste pigment. 2,591,245, Apr. 1.

Edwards, Le Roy B., Chicago, Ill. Method and apparatus for treating fabric garments during the pressing operation. 2,606,377, Aug. 12.

Edwards, Leslie R., Gurdon, Ark. Trap for rats, mice, and the like. 2,595,130, Apr. 29.

Edwards, Lewis W., Lancaster, Pa., and G. Von Stroh, Huntington, W. Va., assignors to Lukens Steel Company, Coatesville, Pa. Snubber for dipper door on power shovels. 2,604,221, July 22.

Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Excitation system. 2,604,616, July 22.

Edwards, Martin A., and R. A. Brand, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,607,908, Aug. 19.

Edwards, Martin A., Scotia, D. E. Garr, and H. M. Ogle, Schenectady, N. Y., assignors to General Electric Company. Excitation system. 2,616,072, Oct. 28.

Edwards, Martin A., Scotia, D. E. Garr, and H. M. Ogle, Schenectady, N. Y., assignors to General Electric Company. Fuel regulating apparatus for aircraft gas turbine power plants. 2,622,393, Dec. 23.

Edwards, Miles L., Longview, Wash. Gas and liquids separator. 2,610,788, Sept. 16.

Edwards, Miles L., Longview, Wash. Airplane fuel system with pressure accumulator. 2,612,215, Sept. 30.

Edwards, Milon G., assignor to Peerless Machinery Co., Joplin, Mo. Rotary pump. 2,615,399, Oct. 28.

Edwards, O. M., Company, Inc., The, assignee: *See*—
Axe, Daniel E.
Edwards, Harold, and Goodemote.

Edwards, Robert A., Schenectady, N. Y., assignor to General Electric Company. Electronic comparator device. 2,615,127, Oct. 21.

Edwards, Robert L.: *See*—
Gielow, George F., and Edwards.

Edwards, Robert S., Hempstead, N. Y., assignor to The Sperry Corporation. Motor control circuit mixer. 2,583,552, Jan. 29.

Edwards, Thomas E.: *See*—
Hartley, Jack K., West, and Edwards.

Edwards, Walter J., Old Fort, N. C. Manually rotatable directional antenna. 2,583,210, Jan. 22.

Edwards, Walter R.: *See*—
Seymour, George W., Salvin, and Edwards.

Edwards, Walter R., Cumberland, Md., assignor to Celanese Corporation of America. Gas scrubbing device. 2,593,548, Apr. 22.

Edwards, William E.: *See*—
Evans, Arthur, and Edwards.

Edwards, William E., assignor to Sutcliffe, Speakman & Company Limited, Leigh, England. Apparatus for cleaning or treating clothes or the like. 2,598,366, May 27.

Edwin, Emil, and N. D. Nilsen, Oslo, Norway. Production of tubular objects of prestressed concrete. 2,585,446, Feb. 12.

Een, Johannes B., Oslo, Norway, vested in the Attorney General of the United States. Reinforced door of wood and/or insulation material. 2,614,295, Oct. 21.

Efford, John T.: *See*—
Loven, Nils O., and Efford.

Efford, John T., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Valve for the distribution or dispersion of fluids in small particles. 2,621,014, Dec. 9.

Efimoff, Viatcheslav V., Niagara Falls, assignor to National Lead Company, New York, N. Y. Alloy for the preparation of titanium-boron steel. 2,616,797, Nov. 4.

Efromson, Philip C., and R. C. Lewis, assignor to The Calidyne Company, Winchester, Mass. Electrodynamic reciprocation apparatus. 2,599,036, June 3.

Egan, Clark J., Piedmont, assignor to California Research Corporation, San Francisco, Calif. Solvent extraction process. 2,582,197, Jan. 8.

Egan, Clark J., Piedmont, and J. W. Scott, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Cyclic adsorption process. 2,599,545, June 10.

Egan Cotton Mills, Inc., assignee: *See*—
Grant, Horace C.

Egan, Frank W., & Company, assignee: *See*—
Sturken, Robert C.

Egan, John F.: *See*—
Schubert, Alvin E., Egan and Hopkins.

Egbert, Ada Elizabeth, Los Angeles, Calif. Accessory heater device usable on cooking stove burner. 2,596,329, May 13.

Egbert, Manuel, Newton, assignor to Barrie Sportwear, Inc., Boston, Mass. Combination garment. 2,582,772, Jan. 15.

Egeberg, Birger, Meriden, M. A. Orr, Southington, and J. P. Phaneuf, assignors to The International Silver Company, Meriden, Conn. Method and material for preventing the tarnishing of silverware. 2,590,094, Mar. 25.

Egeberg, Birger, Meriden, M. A. Orr, Southington, and J. P. Phaneuf, assignors to The International Silver Company, Meriden, Conn. Silverware container. 2,590,095, Mar. 25.

Eger, Edward F., Chicago, and C. R. Rasmussen, La Grange, Ill., assignors to Western Electric Company, Incorporated. Apparatus for spraying terminals onto the ends of wound condensers. 2,622,554, Dec. 23.

Eger, Ernst, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Spring. 2,612,370, Sept. 30.

Eger, Laszlo W.: *See*—
Morris, Vlon N., Weidner, and Eger.

Egerer, William E., H. B. Medley and M. J. Kittler, Detroit, Mich, assignors to G. M. and E. Holley. Antipercolating device. 2,613,068, Oct. 7.

Egerton, William E., and S. Charlton, Hull, England. Machine for use in cutting and filling cakes and the like. 2,595,344, May 6.

Egge, Edwin G., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Yarn twisting or wrapping device. 2,608,048, Aug. 26.

Egge, Klaus, Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for turning sheets down successively from a tilted pile thereof. 2,596,385, May 13.

Egge, Klaus, Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for tilting a pile of material. 2,596,386, May 13.

Eggenberger, Hans: *See*—
Von Allmen, Samuel, and Eggenberger.

Egger, Edward R., Washington, D. C. Coaster type holder. 2,617,549, Nov. 11.

Eggert, Albert H.: *See*—
Johnson, Kermit F., and Eggert.

Eggett, Matthew G., assignee: *See*—
Lacerda, Harry A.

Eggleston, Ira S., St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Live roller conveyer. 2,602,536, July 8.

Eggleston, Ira S., St. Paul, and C. R. Boller, North St. Paul, assignors to Standard Conveyor Company, St. Paul, Minn. Timing mechanism and control for conveyers. 2,601,915, July 1.

Eggleston, Watson, Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous emulsion polymerization of vinyl acetate in the presence of methanol. 2,581,844, Jan. 8.

Eggmann, Jean, Rugby, England, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Intermediate cooler for multistage rotary compressors. 2,612,310, Sept. 30.

Egli, Arnold A., Zurich, Switzerland. Pan cleaning utensil having closed wire loop cleaning means. 2,619,667, Dec. 2.

Egli, H. W., A. G., assignee: *See*—
Suter, Heinrich.

Egly, Richard S.: *See*—
Schmitz, Fred W., and Egly.

Ego, George R., assignor to Massey-Harris Co., Ltd., Brantford, Ontario, Canada. Direct mounted two-way plow. 2,611,301, Sept. 23.

Egry Register Company, The, assignee: *See*—
Sadgebury, Herman F., and Ward.

Egstad, Charles A., Badger, Minn. Wheel driven stone gathering machine. 2,618,111, Nov. 18.

Ehemann, John W.: *See*—
Glass, Marvin I., and Ehemann.
Nudelman, Eolna, Reed, and Ehemann.

Ehlers, Nelson J.: *See*—
Neubauer, Joseph A., Ehlers, Twiehaus, and Elmore.

Ehlers, Otto W., Hermosa Beach, Calif. Magnetic lifting device for fork trucks. 2,622,750, Dec. 23.

Ehlert, William C., Warrensville Heights, and F. J. Schneider, Jr., Pepper Pike Village, assignors to Domar Products, Inc., Cleveland, Ohio. Sunshade and other auxiliary spectacles. 2,584,000, Jan. 29.

Ehlinger, Marcel: *See*—
Mercier, Ernest and Ehlinger.

Ehmann, Leslie G., assignor to Hyster Company, Portland, Oreg. Load grip means for trucks and the like. 2,595,131, Apr. 29.

Ehmann, Ludwig: *See*—
Miescher, Karl, Ehmann, and Wettstein.

Ehnle, Willis R., Decatur, Ala. Bale tie tightening apparatus. 2,620,159, Dec. 2.

Ehrat, Kurt: *See*—
Gretener, Edgar, and Ehrat.

Ehrat, Kurt, and V. Milliquet, Baden, assignors to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Mechanical vibration system. 2,594,749, Apr. 29.

Ehrenberg, Ira J., Flushing, N. Y. Dual brake control. 2,599,376, June 3.

Ehrenfried, Albert D., Boston, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Temperature compensated resonant cavity. 2,600,225, June 10.

Ehrenreich, Frank C., and H. W. Anderson, Chicago, Ill. Twin urn for making coffee and the like. 2,586,152, Feb. 19.

Ehrensperger, Hans, assignor to St. Lawrence Paper Mills Company Limited, Montreal, Quebec, Canada. Recovery of valuable constituents from waste sulfite liquor. 2,594,302, Apr. 29.

Ehrenstein, Maximilian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Cyclopentanopolyhydrophenanthrene derivatives. 2,584,001, Jan. 29.

Ehrenstein, Maximilian R., assignor to The Trustees of The University of Pennsylvania, Philadelphia, Pa. Ring A aromatized steroidal compounds and preparing them. 2,609,377, Sept. 2.

Ehrhardt, George J., Oakmont, assignor to Blaw-Knox Company, Pittsburgh, Pa. Head block for two-line operated grapples or the like. 2,618,506, Nov. 18.

Ehrhardt, Hugo: *See*—
Koerner, Ernest C., Ehrhardt, Haigh, and Kirchhof.

Ehrhardt, Margaret B., New York, N. Y. Massaging device. 2,621,652, Dec. 16.

Ehrlich, Charles N., New York, N. Y. Variable condenser. 2,589,351, Mar. 18.

Ehrlich, Joseph R., New York, N. Y. Transfer ink. 2,610,921, Sept. 16.

Ehrlich, Louis B.: *See*—
Chambers, Herbert I., and Ehrlich.

Ehrlich, Samuel D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Pentaerythritol tetranitrate product. 2,597,926, May 27.

Ehrsam, Adolph, assignee: *See*—
Hurley, Herman W.

Ehrsam, J. B., & Sons Manufacturing Co., The, assignee: *See*—
Skillman, Edward.

Eichelberg, Gustav, assignor to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, Zurich, Switzerland. Two-cycle engine. 2,595,932, May 6.

Eichelberger, Albert: *See*—
Kreft, Ewald, and Eichelberger.

Eichelman, Frank J., Brookfield, assignor to National Cylinder Gas Company, Chicago, Ill. Pressure regulating valve. 2,613,481, Oct. 14.

Eichert, Edwin S., Jr.: *See*—
Sharpless, Thomas K., and Eichert.

Eichin, Arnold C., Elmhurst, assignor to Arnold C. Eichin, Incorporated, Chicago, Ill. Carpet fastener. 2,614,284, Oct. 21.

Eichin, Arnold C., Incorporated, assignee: *See*—
Eichin, Arnold C.

Eichner, Frank L., Hollis, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Preparing planographic printing plates. 2,598,043, May 27.

Eichorn, Robert N., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Signal voltage regulator for power line high-frequency transmitters. 2,610,241, Sept. 9.

Eichorst, Herman H., Hollydale, Calif. Adjustable back rest. 2,585,447, Feb. 12.

Eichstaedt, Alvin W., East Aurora, N. Y., assignor to International Salt Company, Inc., Scranton, Pa. Salt dissolver. 2,614,032, Oct. 14.

Eickele, Walter, Summit, N. J. Liquid pump. 2,604,052, July 22.

Eickhoff, Thomas H.: *See*—
Bowman, John T., and Eickhoff.

Eickman, Willis E., assignor to The National Cash Register Company, Dayton, Ohio. Printer hammer dampener. 2,616,368, Nov. 4.

Eickmeyer, Allen G., Tulsa, Okla. Polymerization of formaldehyde and recovery of paraformaldehyde. 2,593,802, Apr. 22.

Eickmeyer, Earl E., and H. H. Wolfe, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio. Dispensing hose. 2,619,125, Nov. 25.

Eickmeyer, Henry C., Deer Park, Wash. Check valve. 2,602,631, July 8.

Elda, Jacob, West Hollis, N. H. Wallpaper trimming and pasting and measuring machine. 2,614,521, Oct. 21.

Elde, Guy R., Detroit, Mich. Collapsible display stand. 2,582,243, Jan. 15.

Eldman, Albert W., South Euclid, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Multiple stage processing reel. 2,609,589, Sept. 9.

Eldson, James M.: *See*—
Rocker, William P., Taylor, and Eldson.

Elerman, Jack F., assignor to Mechem Engineering, Inc., Milwaukee, Wis. Vise having displaceable screw segment for quick adjustment. 2,620,695, Dec. 9.

Eiger, Joseph: *See*—
Dimond, Philip, and Eiger.

8600 Denison Company, assignee: *See*—
Herbster, George B.

Ellers, Louis H.: *See*—
Cardwell, Paul H., Ellers, and Robinson.

Ellersgaard, Asger, Los Angeles, Calif. Clothes-washing machine. 2,591,143, Apr. 1.

Ellerts, Charles K., Bartlesville, Okla., assignor to the United States of America as represented by the Secretary of the Interior. Apparatus for use in the treatment of oil, gas, and gas condensate wells. Re. 23,583, Nov. 18.

Ellerts, Charles K., Bartlesville, Okla., assignor to the United States of America as represented by the Secretary of the Interior. Apparatus for use in the treatment of oil, gas, and gas-condensate wells. 2,588,369, Mar. 11.

Elmco Corporation, The, assignee: *See*—
Thomas, James E., and Anderson.

Elmermann, Lloyd R., assignor to Perfex Corporation, Milwaukee, Wis. Switching mechanism. 2,584,682, Feb. 5.

Elnbinder, Nathan: *See*—
Harris, Melvyn J., Elnbinder, and Manus.

Elnhorn, Ben, and B. Peskin, Los Angeles, Calif. Hairpin. 2,601,435, June 24.

Elras, Adolfo, Buenos Aires, Argentina. Inner tube for tires. 2,588,097, Mar. 4.

Elsele, Andrew, Detroit, Mich. Combination offset and straight internal bore gauge. 2,581,473, Jan. 8.

Elsele, Otto J., New York, N. Y. Fully balanced combination overdrive and hydraulic transmission. 2,598,896, June 3.

Elsenberg, Bernard C., Brooklyn, N. Y. Machine for rinsing bottled fruits and the like. 2,614,680, Oct. 21.

Elsenberg, Manny, New York, N. Y. Window curtain. 2,620,027, Dec. 2.

Elsenberg, Richard F.: *See*—
De Quasie, Lacy G., and Elsenberg.

Elsenberg, Sidney J., assignee: *See*—
Rose, Abe.

Elsenberg, Sylvan, Belmont, Calif. Garment suspension. 2,597,462, May 20.

Elsenberger, Sidney, Long Island City, and P. Clive, New York, N. Y. Liquid container comprising a flexible envelope. 2,618,409, Nov. 18.

Elsenhardt, Raymond, Ridgewood, N. J., and J. J. Gordon, Winnetka, Ill. Container and draw cord combination. 2,584,336, Feb. 5.

Elsenhauer, Harry J., Buffalo, N. Y. Collapsible antiskid device. 2,601,882, July 1.

Elsenmann, Charles E.: *See*—
Ducatman, Frederich P., and Elsenmann.

Elsler, Charles, South Orange, N. J. Vacuum flask sealing machine. 2,593,999, Apr. 22.

Elsler, Joseph D.: *See*—
Silverman, Daniel, Elsler, and Huth.

Elsler, Joseph D., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Vibration detector. 2,591,795, Apr. 8.

Elsler, Joseph D., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Pendulum damping device for elevation meters. 2,613,449, Oct. 14.

Elsler, Joseph D., and R. E. Hartline, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Balanced electronic inverter. 2,585,377, Feb. 12.

Elsler, Paul, assignor to Hermoplast Limited, London, England. Producing electrical components. 2,582,685, Jan. 15.

Elsler, Paul, assignor to Hermoplast Limited, London, England. Manufacture of electric circuit components. 2,587,568, Feb. 26.

Elsler, Paul, London, England. Electric capacitor and making it. 2,607,825, Aug. 19.

Elsman, Ewen & Rose, Inc., assignee: *See*—
Elsman, Irving.

Elsman, Irving, assignor to Elsman, Ewen & Rose, Inc., New York, N. Y. Bridge table cover. 2,586,153, Feb. 19.

Elsner, Johannes, Copenhagen, Denmark, assignor to F. S. Smidth & Co., New York, N. Y. Method and apparatus for increasing fluidity of material. 2,609,185, Sept. 2.

Elstetter, Alfred E., Regina, Saskatchewan, Canada. Ball game with collapsible target. 2,595,649, May 6.

Eltel-McCullough, Inc., assignee: *See*—
Drieschman, Donald F., and Eaves.
Eltel, William W., and McCullough.
McCullough, Jack A.
Norton, Robert L., and Woerner.

Eltel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eltel-McCullough, Inc., San Bruno, Calif. Air-cooled socket for electron tubes. 2,583,417, Jan. 22.

Eltel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eltel-McCullough, Inc., San Bruno, Calif. Television transmission system. 2,618,745, Nov. 18.

Eltzen, Louis C., New York, N. Y. Viscosity meter air barrier. 2,609,682, Sept. 9.

Elvind Eckbo, assignee: *See*—
Thome-Johannesen, Ole.

Eject-O-Lette Mfg. Co., assignee: *See*—
Briggs, Robert F., and Moore.

Ek, Folke: *See*—
Modée, Gustav V. G., Strandlund, and Ek.

Ekco Products Company, assignee: *See*—
Zimmer, Myron J.

Ekholm, Erik, and V. C. Haner, assignors to Puget Sound Pulp and Timber Co., Bellingham, Wash. Log supporting and log manipulating device for wood debarking devices. 2,600,625, June 17.

Ekholm, Wesley C., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Carbon black. 2,599,981, June 10.

Ekholm, Wesley C., Brooklyn, N. Y., and G. L. Heller, Monroe, La., assignors to Columbian Carbon Company. Manufacture of carbon black. 2,597,232, May 20.

Ekholm, Wesley C., and G. L. Heller, Monroe, La., assignors to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,597,233, May 20.

Ekkebus, Eloy D., J. C. Gallagher, and R. Zapfel, assignors to Allis Rubber Corporation, Chicago, Ill. Ice cube support. 2,588,222, Mar. 4.

Eklof, Walter J.: *See*—
Schmidt, Alois H., and Eklof.

Eklund, Daryll D., Council Bluffs, Iowa. Receptacle. 2,621,833, Dec. 16.

Eklund, Elis A.: *See*—
Carlsson, Fredrik, and Eklund.

Eklund, Henrik J., Wausau, and C. W. Miller, Eland, assignors to D. J. Murray Manufacturing Co., Wausau, Wis. Portable log debarker. 2,608,223, Aug. 26.

Eklund, Henrik J., Wausau, and C. W. Miller, Eland, assignors to D. J. Murray Manufacturing Co., Wausau, Wis. Chain-type log barker. 2,608,224, Aug. 26.

Eklund, James R.: *See*—
Jensen, Ivar N., and Eklund.

Eklund, Stig L. F., Gothenburg, Sweden. Vaporizing and dispersing apparatus for liquid disinfectants. 2,622,287, Dec. 23.

Ekman, Olof I. H., Stockholm, Sweden. Thermocontact or fuse for alarm purposes. 2,599,441, June 3.

Ekman, Sven U., assignor to Mo Och Domsjo Aktiebolag, Ornskoldsvik, Sweden. Making chlorine dioxide. 2,620,260, Dec. 2.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Wheel mounting, 2,597,835, May 20.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Railway truck. 2,614,507, Oct. 21.

Ekstedt, Henry V.: *See*—
Ellinwood, Wilfred E., and Ekstedt.

Ekstrand, Sture O., Bethlehem, and V. L. Ronci, Zionsville, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Anode structure for electron discharge devices. 2,592,549, Apr. 15.

Ekstrand & Tholand, Inc., assignee: *See*—
Brundin, Nils H.

Ekstrand, Torsten K. I. B.: *See*—
Dahlbom, Johan R., and Ekstrand.

Ekstrom-Carlson & Co., assignee: *See*—
Mann, Theodore C.

Elam, David L., Roselle, assignor to Electro Products Laboratories, Inc., Chicago, Ill. Electronic indicator. 2,594,138, Apr. 22.

Elam, Daniel W.: *See*—
Wiles, Quentin T., and Elam.

Elam, F. S., Company, Inc., assignee: *See*—
Vail, Luke P.

Elam, Jess L., assignor to Builders Ornamental Iron Company, Chicago, Ill. Frame straightening device. 2,597,234, May 20.

Elarde, Paul F., Westchester, Ill. Drift controlled fluxmeter. 2,586,799, Feb. 26.

Elastic Stop Nut Corporation of America, assignee: *See*—
Erb, George H.
Erb, George H., Dwyer, and Kolessar.
Hallock, Robert L.
Peters, Howard, and Haedike.
Zitzewitz, Arthur F.

Elastine Process & Development Ltd., assignee: *See*—
Porter, Sydney.

Elbaum, Herman N., assignee: *See*—
Glick, Leslie P., and Norman.

Elbourn, Roland W.: *See*—
White, Eric L. C., and Elbourn.

Elce, Alec, Banstead, H. M. Stanley, Tadworth, and K. H. W. Turck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acetic anhydride. 2,622,098, Dec. 16.

Elconin, Eli V.: *See*—
Buckendale, Lawrence R., and Elconin.

Eld, Aksel C., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Tray for fractionating equipment. 2,591,343, Apr. 1.

Elder, Glenn C., Bowling Green, Mo. Lady's slip. 2,593,739, Apr. 22.

Elder, Howard J., Houma, La. Adjustable pipe wrench. 2,605,662, Aug. 5.

Elder Manufacturing Company, assignee: *See*—
Rowan, Alfred P.

Elder, Morris D., Payne, Iowa. Boat handle. 2,620,955, Dec. 9.

Elder, Richard W., assignor to National-Standard Company, Niles, Mich. Spool and fastening means therefor. 2,583,933, Jan. 29.

Elder, Wayne L.: *See*—
Washburn, Dan D., and Elder.

Elder, William E.: *See*—
Deardorff, Clinton E., and Elder.

Elder, William E., Sherman Oaks, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Cam actuated selector valve. 2,617,445, Nov. 11.

Elderfield, Robert C., Hastings on Hudson, and E. Werble, New York, N. Y., assignors to the United States of America as represented by the Administrator, Federal Security Agency. Preparation and manufacture of 6-methoxy-8-(4-amino - 1 - methylbutylamino)-quinoline. 2,604,474, July 22.

Eldh, Clarence L., Stockton, Calif. Pattern scribing tool. 2,581,179, Jan. 1.

Eldorado Mining and Refining (1944) Limited, assignee: *See*—
Lapointe, Christian M.

Eldred, Edwin C., Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Nail stop. 2,589,352, Mar. 18.

Eldredge, Elmer E., assignor to R. L. Eldredge, Plymouth, Wis. Carton. 2,603,404, July 15.

Eldredge, Robert L., assignee: *See*—
Eldredge, Elmer E.

Eldridge, George C., Jr., Wenonah, N. J. Device for producing motion. 2,596,226, May 13.

Eldridge, Hoxie: *See*—
Merkle, Arthur G., and Eldridge.

Eldridge, Tauslas L., Jr., Brookline, and W. H. Young, Glenside, assignors to Electric Service Manufacturing Company, Philadelphia, Pa. Expulsion gap lightning arrester. 2,619,610, Nov. 25.

Electraulic Presses Limited, assignee: *See*—
Towler, John M., and F. H.
Towler, John M., and Towler.

Electric Auto-Lite Company, The, assignee: *See*—
Coulter, Guy H.
Launder, James M.
Stoltenberg, Delbert H.
Utter, Raymond E.

Electric Boat Company, assignee: *See*—
Ritchie, Alexander J.
Sherman, Kenneth C.

Electric Construction Company Limited, The, assignee: *See*—
Milne, John C.

Electric Controller & Manufacturing Company, The, assignee: *See*—
Leitch, John D., and Widdows.
Noyes, Everett E.
Rathbun, Harold J.
Widdows, Richard G., Dyer, and Rathbun.

Electric Eye Equipment Company, assignee: *See*—
Wenger, Wiley D.

Electric Furnace Company, The, assignee: *See*—
Cope, Frank T.

Electric Game Company, The, assignee: *See*—
Prentice, James M., and Umbach.

Electric & Musical Industries Limited, assignee: *See*—
Atherton, Albert H.
Barford, Norman C.
Blumlein, Alan D.
Bull, Cabot S.
Bull, Cabot S., and Atherton.
Bull, Eric W.
Bull, Eric W., and Pemberton.
Clayden, Ronald T., and Gibson.
Collard, John.
Collard, John, and Hill.
Condliffe, George E., Harker, and Lucas.
Cork, Edward C.
Dutton, Gilbert F.
Fandell, Charles L.
Fisk, Ernest T., and Wood.
Huntley, Keith G.
Johnson, Leonard R. J.
Lord, William E.
Lubszynski, Hans G., McGee, Turk, and Cassman.
Lubszynski, Hans G., and White.
McGee, James D., and Turk.
Newman, Edward A.
Percival, William S.
Webley, Reginald S.
White, Eric L. C.
White, Eric L. C., and Elbourn.
White, Eric L. C., and Newman.

Electric Products Company, The, assignee: *See*—
Di Cicco, Tripoli J.
Lee, William H., and Smith.

Electric Service Manufacturing Company, assignee: *See*—
Eldridge, Tauslas L., Jr., and Young.

Electric Sprayit Company, The, assignee: *See*—
Deutsch, Millard B.

Electric Storage Battery Company, The, assignee: *See*—
Gray, Robin.
Murphy, Harold P.
White, John E.

Electric Trolley Pole Company, assignee: *See*—
Terhune, Vernon B.

Electric Wheel Company, assignee: *See*—
Richey, Clarence B.

Electrical Products (Coine) Limited, assignee: *See*—
Pearson, Edgar.

Electrical Products Corporation, assignee: *See*—
Brown, Ralph.
Owen, Harold R., and Brown.

Electrimatic Company, assignee: *See*—
Askin, Joseph.

Electro Craft Incorporated, assignee: *See*—
Schonert, Koester E.

Electrodyne Company, The, assignee: *See*—
Nolle, Alfred W.

Electro-Glide Company, Inc., The, assignee: *See*—
Steven, Glenn A.

Electrographic Corporation, assignee: *See*—
Bungay, George W.
Oettinger, Henry, Jr.

Electro-Hydraulics Limited, assignee: *See*—
Hoare, Robert G.
Orloff, George.
Treganowan, Bernard E.

Electro Lift Chair Corporation, assignee: *See*—
Scott, George P.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N., and Barkow.
Ashton, Benjamin N., Holland, and Wulff.

Electrol S. A., assignee: *See*—
Legorreta, Luis G., Posadn, and Camarena.

Electrolunch Co., assignee: *See*—
Gronlund, Ernst H.

Electrolux Corporation, assignee: *See*—
Allen, Oliver L.
Anderson, Emil.
Beede, Arnold H.
Borkoski, Leon P.
Cranmer, George H.
Dippel, Muriel C.
Doughman, Ferman C.
Ell, Lars J. F.
Lampe, Robert C.
Lofgren, Gustaf E.
Lofgren, Gustaf E., and Peterson.
Senné, Edgar P.
Wahlberg, Eric C.

Electromatic Engineering Company, Inc., assignee: *See*—
Jones, Theodore C.

Electromode Corporation, assignee: *See*—
Mast, Lowell R.

Electronic Research and Manufacturing Corporation, The, assignee: *See*—
Lister, George H.
Panetta, Albert R.

Electronized Chemicals Corporation, assignee: *See*—
Brasch, Arno.

Electrons, Incorporated, assignee: *See*—
Smith, Earle K.

Electro Products Laboratories, Inc., assignee: *See*—
Crossley, Richard C.
Elam, David L.

Electro-Watt Electrical and Industrial Management Co., Ltd., assignee: *See*—
Sonderegger, Carl.

Elektriska Svetsningsaktiebolaget, assignee: *See*—
Norén, Tore M. I.

Elektrokemisk A/S, assignee: *See*—
Ingelsrud, Arne H.

Elektro-Mechanik G. m. b. H., assignee: *See*—
Grebe, Otto.

Elektro-Watt Elektrische und Industrielle Unternehmungen A. G., assignee: *See*—
Meili, Ernst.

Elenbaas, Willem, D. Kolkman, and R. W. van der Wolf, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Electric discharge device. 2,598,241, May 27.

Elevator Supplies Company, Inc., assignee: *See*—
Orr, Carroll E.

Elfstrom, John A., Philadelphia, Pa. Gas piston operated firearm. 2,581,395, Jan. 8.

Elfstrom, Samuel, assignee: *See*—
Lindquist, August T.

Elgeet Optical Company, Inc., assignee: *See*—
Hopkins, Robert E., and Goldstein.

Elgel Inc., assignee: *See*—
Leland, Pardon K.

Elgenstierna, Reinhold M.: *See*—
Persson, Bengt E., Lundgren, and Elgenstierna.

Elgin, Gustavus S., Hickman Mills, Mo. Adjustable drive clutch for regulating the torque imparted to a driven member. 2,606,431, Aug. 12.

Elgin, Joseph C., Princeton, N. J., assignor to U. S. Rubber Reclaiming Company, Inc., Buffalo, N. Y. Reclaiming rubber. 2,593,279, Apr. 15.

Elgin National Watch Company, assignee: *See*—
Barker, George E.
Favret, Maxime.
Lester, Raymond H., Cannon, and Alexander.
Neidigh, Ray S.

Elgin Softener Corporation, assignee: *See*—
Kromhout, Andrew.
Mansen, Harry.

Elgin Sweeper Company, assignee: *See*—
Mott, Carl W.

Elgström, Björn: *See*—
Almqvist, Bo K. L., and Elgström.

Elias, Kurt, Paris, assignor of one-half to A. Dawant, St. Ouen, Seine, France. Fluidifying mixtures mainly comprising highly polymerized polyvinyl acetates. 2,584,852, Feb. 5.

Eliason, Carl H.: *See*—
Morris, Harrison D., and Eliason.

Eliasson, Bror, Eskilstuna, Sweden. Producing finely crystalline aluminum oxide. 2,610,110, Sept. 9.

Eliasson, Olof M., and J. A. Nöjd, Sodertalje, assignors to Maskinaktiebolaget Karlebo, Stockholm, Sweden. Device for truing grinding wheels. 2,618,255, Nov. 18.

Eliot, Theodore Q., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Recovery and purification of propionaldehyde. 2,617,756, Nov. 11.

Eliot, Theodore Q., C. S. Goodin, Jr., and J. C. Weaver, Jr., assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Extractive distillation of oxygenated organic compounds. 2,607,719, Aug. 19.

Eliscovich, Pablo: *See*—
Krasilansky, Natalio, Sulik, Eliscovich, and Levy.

Eliscu, Frank, Ossining, and M. B. Kassel, New York, N. Y. Surgical instrument for intradermal injection of fluids. 2,588,623, Mar. 11.

Elissabide, René J. B., Basses-Pyrenees, France. Fabric treating thermoplastic resin-rosin composition. 2,603,612, July 15.

Elite, Sdruzene tovarny puncoch, narodni podnik, assignee: *See*—
Zinatlik, Josef, Starý, Piller, and Pinkava.

Eljer Company, assignee: *See*—
Gulick, David E.
Gulick, David E., and Hendrickson.
Hendrickson, James M.

El Juri, Salim S., Santos Lugares, Argentina. Bust support. 2,616,083, Nov. 4.

Elkas, Louis: *See*—
Chapin, Ellis W., and Elkas.

Elkas, Louis, Springfield, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Extractor claw construction for firearms. 2,603,019, July 15.

Elkay, Inc., assignee: *See*—
Knauss, Edward.

Elkhart Brass Manufacturing Company, Inc., assignee: *See*—
Hansen, Edward H.

Elkind, Bertram, Los Angeles, Calif. Safety closure. 2,597,307, May 20.

Elko, William E., Cleveland, Ohio. Leader keeper. 2,602,258, July 8.

Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Old Greenwich, Conn. Bearing. 2,586,627, Feb. 19.

Ellamac Incorporated, assignee: *See*—
MacChesney, Chester M., and Wenger.

Ellefson, Herbert B., Oklahoma City, Okla. Dispensing closure composed of two telescoping parts relatively movable between two positions by snap action. 2,618,415, Nov. 18.

Ellerbeck, Grant C., Hayward, Calif., assignor to Friden Calculating Machine Co., Inc. Printing mechanism for adding machines. 2,586,420, Feb. 19.

Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer mechanism. 2,597,463, May 20.

Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Add-subtract register. 2,602,585, July 8.

Ellerby, Robert O., Bloomfield Hills, assignor to General Motors Corporation, Detroit, Mich. Weld analyzer. 2,616,014, Oct. 28.

Ellern, Herbert, Ferguson, assignor to Universal Match Corporation, St. Louis, Mo. Match striking compounds. 2,589,607, Mar. 18.

Ellerson, Eli N., assignor to Advertising Metal Display Co., Chicago, Ill. Cabinet and drawer assembly. 2,590,240, June 3.

Ellery, Emmett C., Hollywood, Calif. Ankle joint for artificial legs. 2,617,115, Nov. 11.

Elles, Albert C., and F. L. Fulke, Terre Haute, Ind. Bit. 2,610,049, Sept. 9.

Ellett, Alexander, River Forest, Ill., assignor to Zenith Radio Corporation. Subscription type television transmitter. 2,601,505, June 24.

Ellett, Alexander, River Forest, Ill., assignor to Zenith Radio Corporation. Motion-picture film recording apparatus. 2,619,873, Dec. 2.

Ellett, Richard E., Merton, London, England. Artificial eye for figure toys. 2,601,107, June 17.

Elliff, Orla S., assignor to The Meeker Company, Inc., Joplin, Mo. Stitchless and hidden stitch expansible billfold. 2,598,982, June 3.

Elling, Delmar O., and A. L. Slye, Pattonsburg, Mo. Gambrel. 2,622,914, Dec. 23.

Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vinyl chloride-allyl glycidyl ether copolymers. 2,589,237, Mar. 18.

Ellingboe, Ellsworth K., and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl chloride, allyl glycidyl ether, and an allyloxyalkanoic acid. 2,607,754, Aug. 19.

Ellinger, Flora H., Chicago, Ill. Dishwashing spray head. 2,596,387, May 13.

Ellingson, Adolph E., Chicago, Ill. Folding lawn chair. 2,600,626, June 17.

Ellingson, Mary A., Kansas City, Mo. Organic fertilizer. 2,587,125, Feb. 26.

Ellington, Marless O., Lake City, Ark. Drilling gauge. 2,592,877, Apr. 15.

Ellington, Rudolph E., White Plains, N. Y., assignor to The Strouse-Baer Company, Baltimore, Md. Suspender belt. 2,587,126, Feb. 26.

Ellinwood, Wilfred E., St. Louis, and H. V. Ekstedt, Overland, Mo. Eduction tube for steam iron tanks. 2,617,212, Nov. 11.

Elliot, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Hoist controller. 2,583,731, Jan. 29.

Elliot, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Capacitor control. 2,609,424, Sept. 2.

Elliott, Alexander S., Toronto, Ontario, Canada. Car storage garage. 2,619,684, Dec. 2.

Elliott, Arthur C., Maidstone, England. Mechanism for delivering inflammable liquids. 2,588,504, Mar. 11.

Elliott, B., & Company Limited, assignee: *See*—
Selby, James.

Elliott Bay Mill Co., assignee: *See*—
Miller, William J., and Johnson.

Elliott, Bernard V., Dewey, assignor to H. C. Price Co., Bartlesville, Okla. Electric line-up clamp. 2,594,000, Apr. 22.

Elliott, Burr B., and G. S. Allin, Seattle, Wash. Treating soil. 2,602,388, July 8.

Elliott, Charles G., assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum compositions. 2,613,163, Oct. 7.

Elliott, Claire J., Richmond, Va. Combination straight and safety razor. 2,602,992, July 15.

Elliott Company, assignee: *See*—
Aronson, David.
Cost, Joe L.
Roberts, Irving.
Rodgers, James P.
Steen-Johnsen, Hall.

Elliott, Curtis M.: *See*—
Jellinek, Curt.

Elliott, Dwight A., Richmond, Ind. Metal awning structure. 2,588,708, Mar. 11.

Elliott, Frederick R., assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Control of multiengine aircraft. 2,594,888, Apr. 29.

Elliott, George, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone conversation timing means. 2,595,062, Apr. 29.

Elliott, Harmon P., Watertown, Mass. Combined stencil-moistening and stencil-blotting apparatus. 2,584,683, Feb. 5.

Elliott, Harmon P., Watertown, Mass. Stencil printing machine. 2,597,464, May 20.

Elliott, Harold E., H. J. George, and A. A. Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding and channeling machine. 2,601,268, June 24.

Elliott, Harold F., Oakland, Calif. Program-scheduling apparatus. 2,611,430, Sept. 23.

Elliott, Harold F., Palo Alto, Calif. Apparatus for positioning rotary controlled elements. 2,591,344, Apr. 1.

Elliott, Harold F., Palo Alto, Calif. Apparatus for positioning a rotary controlled element. 2,591,413, Apr. 1.

Elliott, Harold V., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Circuit breaker lever. 2,616,011, Oct. 28.

Elliott, Harold V., and B. H. Short, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Vibrator testing apparatus. 2,623,926, Dec. 30.

Elliott, Henry, West Molesey, England. Haircutting device. 2,623,278, Dec. 30.

Elliott, Henry J., Fontana, N. C. Recording annunciator. 2,599,702, June 10.

Elliott, Howard R., Long Beach, Calif. General utility gripping tool. 2,585,098, Feb. 12.

Elliott, Hubert L., Aline, Okla. Disk harrow. 2,588,709, Mar. 11.

Elliott, John C.: *See*—
Chavannes, Marc A., and Elliott.

Elliott, Mintie P., Glen Rose, Tex. Beehive. 2,588,370, Mar. 11.

Elliott, Morris R., Buchanan, and G. L. Turner, Niles, assignors to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,613,828, Oct. 14.

Elliott, Morris R., R. Lapsley, and G. L. Turner, assignors to Clark Equipment Company, Buchanan, Mich. Pivoted load lifting mechanism. 2,623,756, Dec. 30.

Elliott Paint & Varnish Co., assignee: *See*—
Overmyer, Calvin J., Giese, and Weckel.

Elliott, Phillip N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Forming fin vibration damper. 2,581,845, Jan. 8.

Elliott, Raymond G., Midpines, and J. A. Bennett, Merced, Calif. Fuel-mixture vaporizer for gas engines. 2,587,713, Mar. 4.

Elliott, Robert B.: *See*—
Walker, Earl C., Elliott, and Bascom.

Elliott, Rudolph W.: *See*—
Turner, John R., and Elliott.

Elliott, William H., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Phase-shift circuit. 2,593,280, Apr. 15.

Elliott, William S., Borehamwood, England. Digital calculating machine. 2,610,790, Sept. 16.

Elliott, William V., administrator: *See*—
Bergman, Charles P.

Ellis, Alfred L., Atlanta, Ga. Measuring and dispensing top with dual compartments filled and emptied alternately. 2,612,295, Sept. 30.

Ellis, Arthur G., Longton, Stoke-on-Trent, England. Apparatus for shaping clayware. 2,586,628, Feb. 19.

Ellis, Belvin B., Jamestown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core member. 2,584,564, Feb. 5.

Ellis, Belvin B., Sharon, C. C. Horstman, and C. E. Burkhardt, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase core. 2,594,001, Apr. 22.

Ellis, Belvin B., Sharon, C. C. Horstman, and C. E. Burkhardt, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase core. 2,594,002, Apr. 22.

Ellis, Carson P.: *See*—
Ripley, Thomas M., Ellis, and Powers.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens mounting. 2,588,505, Mar. 11.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,608,687, Sept. 2.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Eye protective device. 2,614,255, Oct. 21.

Ellis, Charles A., Southbridge, Mass., and H. B. Cole, East Woodstock, Conn., assignors to American Optical Company, Southbridge, Mass. Ophthalmic instrument. 2,614,557, Oct. 21.

Ellis, Charles E., Mahwah, N. J. Polyphase alternating current dynamo-electric apparatus. 2,600,523, June 17.

Ellis, Clarence M., assignor of one-third to J. E. Devine, Lodi, and one-third to L. Prentice, Acampo, Calif. Barbecue unit. 2,608,149, Aug. 26.

Ellis, David H., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Reversible thermostatic control device. 2,601,377, June 24

Ellis, Delbert, Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Auxiliary contact device for electric contactors. 2,583,139, Jan. 22.

Ellis, Dwight W., Jr., assignee: *See*—
Ellis, Dwight W., Sr.

Ellis, Dwight W., Sr., Springfield, assignor to D. W. Ellis, Jr., Monson, Mass. Web folder and stitcher apparatus. 2,619,057, Nov. 25.

Ellis-Foster Company, assignee: *See*—
MacKenzie, Charles A., and Schoffman.
Robertson, John W.
Rust, John B.
Rust, John B., and Pfeifer.
Spialter, Leonard, and MacKenzie.

Ellis, George P., Vancouver, British Columbia, Canada. Selective telephonic music distributing system and apparatus. 2,586,213, Feb. 19.

Ellis, Greer, Pelham, N. Y. Direct current amplifier with synchronized chopper and rectifier with phase sense. 2,591,345, Apr. 1.

Ellis, Greer, Pelham, N. Y. Circuit for oscillograph with provision for calibrating during operation. 2,602,839, July 8.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Primary cell structure. 2,580,415, Jan. 1.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Sealing means for primary alkaline dry cells. 2,582,973, Jan. 22.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Hermetically sealed alkaline dry cell. 2,585,922, Feb. 19.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Primary alkaline cell. 2,601,267, June 24.

Ellis, Herbert B.: *See*—
Conzelman, John E., Jr., Ellis, and O'Brien.

Ellis, John D., Troy, Ohio. Pivotal mounting. 2,582,420, Jan. 15.

Ellis, John L.: *See*—
Goetzel, Claus G., and Ellis.

Ellis, John L., and C. G. Goetzel, Yonkers, assignors to Sintercast Corporation of America, New York, N. Y. Metallurgy. 2,581,253, Jan. 1.

Ellis, Katherine, Orlando, Fla., and H. Woodward, Minneapolis, Minn. Safety razor. 2,602,222, July 8.

Ellis, Kenneth A., Evansville, Wis. Fan oscillating mechanism. 2,590,762, Mar. 25.

Ellis, Robert: *See*—
Gray, Robert, and Ellis.

Ellis, Samuel B., Long Island City, N. Y. Humidifying blanket. 2,590,301, Mar. 25.

Ellis, Thomas F., Topeka, Kans. Duplex rail assembly for line casting machines. 2,607,473, Aug. 19.

Ellis, Thomas F., Jr., Westport, Conn. Knitting aid. 2,582,319, Jan. 15.

Ellis, Walter C., Los Angeles, Calif. Collapsible stand. 2,581,983, Jan. 8.

Ellis, William H., Lovelaceville, Ky. Rotary drill for drilling wells. 2,611,583, Sept. 23.

Ellison Bronze Company, Inc., assignee: *See*—
Bates, Wilmot S.

Ellison, Lynn E.: *See*—
Proctor, Ronald R., and Ellison.

Ellison, Raymond D.: *See*—
Flygare, Carl G., and Ellison.

Ellison, Thomas, and S. G. Leuty, Spondon, near Derby, England, assignors to British Celanese Limited. Power transmission belt. 2,608,875, Sept. 2.

Ellithorpe, Gilbert S., assignor to Carter Parts Company, Chicago, Ill. Foot dimmer switch operating mechanism. 2,604,793, July 29.

Ellithorpe, Gilbert S., assignor to Carter Parts Company, Chicago, Ill. Plunger switch. 2,605,375, July 29.

Ellsworth, John T., deceased, Collinsville, Ill.; M. Ellsworth, administratrix. Purification of zinc electrolytes. 2,599,816, June 10.

Ellsworth, Mildred, administratrix: *See*—
Ellsworth, John T.

Ellsworth, Raymond H., West Haven, Conn. Valve means for controlling liquids and gases. 2,605,785, Aug. 5.

Ellwein, Richard P., assignee: *See*—
Peterson, Elnar C.

Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protection arrangement. 2,594,890, Apr. 29.

Elmendorf, Armin, Winnetka, Ill. Wall and making it. 2,587,085, Mar. 4.

Elmendorf, Armin, Winnetka, Ill. Form for use in making cement-fiber boards. 2,591,414, Apr. 1.

Elmendorf, Armin, Winnetka, Ill. Producing sheets of indefinite length composed of slitted wood veneer and a flexible backing. 2,593,863, Apr. 22.

Elmer, Geoffrey D., Dearborn, Mich. Packaged article cooker. 2,614,480, Oct. 21.

Elmer, Jonathan, Wayne, Pa. Combination bassinet, stroller, and playpen. 2,604,333, July 22.

Elmer, William B., assignor to Wheeler Reflector Company, Boston, Mass. Lamp lead insulator. 2,598,772, June 3.

Elmer, William B., Lakewood, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Depth control system for torpedoes. 2,604,065, July 22.

Elmes, John A., Beaver Falls, assignor to Ryman Engineering Company, Ellwood City, Pa. Gauge for roll crowns. 2,609,610, Sept. 9.

Elmiger, Hermann: *See*—
Widmer, Fritz, and Elmiger.

Elmore, Frank R.: *See*—
Neubauer, Joseph A., Ehlers, Twiehaus, and Elmore.

Elmore, Frank R., Borger, Tex. Electric safety wall box. 2,590,391, Mar. 25.

Elmore, Kelly L., Sheffield, Ala., assignor to Tennessee Valley Authority. Oxidation of phosphorus with steam. 2,613,134, Oct. 7.

Elmore, William C., Springfield Township, Delaware County, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission. Compensated electron discharge measuring device. 2,585,639, Feb. 12.

Elms, James C., Altadena, Calif. Cartridge positioner. 2,599,546, June 10.

Elnicky, William, Vancouver, British Columbia, Canada. Cable shortening device. 2,589,543, Mar. 18.

Elofson, Richard M., Ponoka, Alberta, Canada, assignor to General Aniline & Film Corporation, New York, N. Y. Synthesis of cyclooctadiene-1,5. 2,594,889, Apr. 29.

Elox Corporation of Michigan, assignee: *See*—
Harding, Henry V.
McKechnie, Ian C.

Elrae Pressed Metals, Inc., assignee: *See*—
Cich, Albert J.

El Rey Venetian Blind Company, assignee: *See*—
Hicks, James M., and Zolezzi.

Elro, Inc., assignee: *See*—
Gossner, Louis E. E.

Elrod, Harold G., Jr., Alliance, Ohio, assignor to The Babcock & Wilcox Company, Jersey City, N. J. Circulation of cell electrolyte. 2,584,117, Feb. 5.

Elsaesser, Johann F., Kirchberg, Switzerland. Projecting kaleidoscope with rapidly oscillated elements and particles. 2,607,269, Aug. 19.

El-Said, Mohamed A. H., Giza, Egypt. Thermionic multiplying and measuring circuit. 2,582,018, Jan. 8.

El-Said, Mohamed A. H., Giza, Egypt. Vacuum-tube mixer and circuits therefor. 2,593,281, Apr. 15.

Elsasser, George J., assignee: *See*—
Gassaway, Benjamin F.

Else, Harry D., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical apparatus. 2,583,140, Jan. 22.

Else, Harry D., and P. J. Weber, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Explosion-proof dynamoelectric machine. 2,594,003, Apr. 22.

Else, John G., assignor to General Motors Corporation, Detroit, Mich. Engine mounting. 2,621,876, Dec. 16.

Elser, William F., Toledo, Ohio, and K. L. Richard, Pitman, N. J., assignors to Owens-Illinois Glass Company. Method and apparatus for bonding closure materials. 2,584,002, Jan. 29.

Elser, William P., assignee: *See*—
Noon, Alonzo W.

Elsey, Walter H., Marble, Ark. Grapple. 2,584,853, Feb. 5.

Elsheimer, Roscoe: *See*—
Smith, Marion O., and Elsheimer.

Elshols, Walter F., Nampa, Idaho. Carbon filament holder. 2,597,714, May 20.

Elsinger, Louis S., Atlanta, Ga., assignor to The Show Off Corporation, Dover, Del. Choke collar. 2,614,533, Oct. 21.

Elsinger, Louis S., Atlanta, Ga., assignor to The Show Off Corporation, Dover, Del. Choke collar. 2,616,394, Nov. 4.

Elsman, James L., Parchment, Mich. Method and apparatus for printing and applying labels to wrapping paper. 2,590,239, Mar. 25.

Elsner, Edwin C., assignor to C. J. W. Corporation, North Hollywood, Calif. Quick-release buckle. 2,590,851, Apr. 1.

Elsner, Edwin C., Glendale, assignor to C. J. W. Corporation, North Hollywood, Calif. Safety hook. 2,619,698, Dec. 2.

Elsner, Frank, Hanover, Pa. Paster and hold-down means for labeling machines. 2,582,019, Jan. 8.

Elson, William O., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Pharmaceutical composition for use in the treatment of keratin. 2,614,962, Oct. 21.

Elson, William O., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Keratin exfoliative compositions. 2,614,963, Oct. 21.

Elston, Edwin: *See*—
Heyer, Eric H., and Elston.

Elston, George F., Bloomfield, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 2,604,604, July 22.

Eltgroth, George V., Philadelphia, Pa., assignor to Bendix Aviation Corporation, Baltimore, Md. Lockout warning system for home heating apparatus. 2,599,703, June 10.

Elton, Inc., assignee: *See*—
Gelzer, John R.

Elvin, William J., and L. A. Warren, Frostburg, Md., assignors to Celanese Corporation of America. Apparatus for the treatment of filamentary materials. 2,586,800, Feb. 26.

Elving, Philip J., West Lafayette, Ind., E. Shoemaker, B. L. Kabacoff, and I. Nagelburg, assignors to Publicker Industries Inc., Philadelphia, Pa. Production of activated carbon from distillers mash. 2,594,544, Apr. 29.

Elvis, Wilfred H., assignor, by mesne assignments, to Concentric Manufacturing Co. Limited, Birmingham, England. Machine for molding pies. 2,596,388, May 13.

Elwell-Parker Electric Company, The, assignee: *See*—
Abbe, Edward J.
Ackermann, Joseph A.
Vance, Robert G.

Elwell, William E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Drying oils and making the same. 2,623,056, Dec. 23.

Elwell, William E., Berkeley, and D. C. McGowan, Richmond, assignors to California Research Corporation, San Francisco, Calif. Linear pyromellitic polyesters and their derivatives. 2,585,323, Feb. 12.

Elwell, William E., Berkeley, and H. L. Childress, Jr., Richmond, assignors to California Research Corporation, San Francisco, Calif. Separating vinyl xylenes from ethyl xylenes and other products. 2,607,720, Aug. 19.

Elwert, Otto: *See*—
Schnürle, Adolf, and Elwert.

Ely, Alexander W., Madison, Wis. Measuring and location device. 2,619,728, Dec. 2.

Ely, Charles J., assignee: *See*—
Torr, David.

Ely, Charles M., Springdale, Ohio, assignor to National Distillers Products Corp. Accelerating the growth of chicks. 2,604,401, July 22.

Ely, Charles M., Springdale, Ohio, assignor to National Distillers Products Corp. Accelerating the growth of chicks. 2,604,402, July 22.

Ely, Oscar L., Dorchester, Mass. Measuring dispenser for cartons. 2,613,856, Oct. 14.

Emanuel, Victor L., Colorado Springs, Colo. Horological balance wheel holding and rotating device. 2,583,418, Jan. 22.

Emanuelsson, Gunnar G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for obtaining from a pulse another pulse of accurately predetermined duration. 2,623,998, Dec. 30.

Emarco Corporation, assignee: *See*—
Cline, Harold A.

Emberson, Keith L.: *See*—
Lepp, Gerhard J., Bateman, and Emberson.

Emblem, Harold G.: *See*—
Shaw, Clifford, Smith, and Emblem.

Embree, Earl P., San Leandro, Calif., and D. C. Schmitten, Chelan, Wash. Crop-dusting machine. 2,587,714, Mar. 4.

Embree, Harold K., Hamilton, Ontario, Canada, assignor to Griplock, Inc., Hoboken, N. J. Wire strapping tool. 2,594,891, Apr. 29.

Embrey, Boyd L.: *See*—
Barnes, Marion D., Embrey, and Koons.

Embshoff, George F., Hamilton County, and G. Sperti, assignors to The Institutum Divi Thomae Foundation, Cincinnati, Ohio. Lamp. 2,613,328, Oct. 7.

Emde, Kurt: *See*—
Mullaney, Ralph A., Emde, and Steglich.

Emde Products, Inc., assignee: *See*—
Boaden, Earl T., and Simpson.

Emelin, Arthur C.: *See*—
Miller, Samuel, and Emelin.

Emens, Fred M., Sea Breeze, N. Y. Nursing bottleholder 2,594,545, Apr. 29.

Emerol Manufacturing Co., assignee: *See*—
Pierce, Clayton B.

Emerson, David, assignor to Olin Industries, Inc., New Haven, Conn. Takedown mechanism for firearms. 2,610,426, Sept. 16.

Emerson Electric Manufacturing Company, The, assignee: *See*—
Brauner, Ernest, and Denning.
Dederick, Clinton H.
Korski, Frank.
Phillips, Chester S.
Veltman, John C., and Michelsen.

Emerson, Elizabeth K., executrix: *See*—
Emerson, Walter H.

Emerson, Howard J., R. J. O'Connor, and G. A. Emery, assignors to Eastman Kodak Company, Rochester, N. Y. Can sorting machine. 2,592,260, Apr. 8.

Emerson, John C., Hull, Mass. Sash lock. 2,605,125, July 29.

Emerson, John F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electronic voltage regulator. 2,611,121, Sept. 16.

Emerson, Robert G., Fort Wayne, Ind. Composite template and gauge. 2,599,050, June 3.

Emerson, Walter H., deceased; by E. K. Emerson, executrix, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Multicolor stamping of dinnerware. 2,613,594, Oct. 14.

Emerson, Walter H., deceased, Liverpool Township, Columbiana County, Ohio, by E. K. Emerson, executrix, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Potteryware decorating apparatus stamp. 2,623,452, Dec. 30.

Emerson, William S.: *See*—
Heimsch, Robert A., and Emerson.

Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Thianaphthacyl sulfides. 2,620,344, Dec. 2.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Oxa-glycol dilevulinates. 2,581,008, Jan. 1.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing thiophenealdehydes. 2,581,009, Jan. 1.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Plasticizers. 2,585,448, Feb. 12.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Thiophene derivatives. 2,594,408, Apr. 29.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Thianaphthylmercaptothiazoles. 2,610,189, Sept. 9.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Thianaphthylthiazolyl disulfides and preparing same. 2,612,504, Sept. 30.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Thiocyanates of 2-vinylthiophenes. 2,612,506, Sept. 30.

Emerson, William S., and R. A. Helmsch, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Certain alkyl ar (isothiocyanomethyl) benzoates and their use as insecticides. 2,620,292, Dec. 2.

Emery, George A.: *See*—
Emerson, Howard J., O'Connor, and Emery.

Emery, Sheldon B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electrolytic polishing. 2,582,020, Jan. 8.

Emery, William M., Summit, N. J., assignor to The Rotor Tool Company. Roller device impact clutch. 2,586,314, Feb. 19.

Emge, Herbert M., assignor to The Black & Decker Manufacturing Company, Towson, Md. Valve seat grinding tool. 2,611,223, Sept. 23.

Emhart Manufacturing Company, assignee: *See*—
Ardell, Edgar.
Cannon, Madison M., Jr.
Currivan, John F.
Fischer, Paul E.
Fischer, Paul E., and Ardell.
Griffin, Thomas W.
Heller, Richard V.
Hillery, Arthur M., Jr.
Honiss, William T.

Emhart Manufacturing Company, assignee: *See*—Con.
Light, John S., and De Carli.
Lorenz, Edward H.
Lyle, Aaron K.
McDonald, William C.
Mongan, Charles E., Jr.
Park, Robert H.
Peller, Karl E.
Raymond, Horace H., Bliss, Coe, and Campbell.
Rideout, Arthur E.
Ross, Edward T.
Rourke, Robert U.
Rowe, George E.
Wadman, Harold A.
Wimmer, Ludwig.

Emig, Fred J.: *See*—
Bullock, Edgar Q., Jr., and Emig.

Emig, Stanley R.: *See*—
Lowy, Louis, and Emig.

Emley, Edward F., Clifton Junction, near Manchester, assignor to Magnesium Elektron Limited, Manchester, England. Magnesium base alloys. 2,604,394, July 22.

Emmart, John S., San Francisco, Calif., assignor to Italian Swiss Colony. Display device. 2,603,441, July 15.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binder. 2,584,854, Feb. 5.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binder. 2,598,044, May 27.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Gang punching machine. 2,601,108, June 17.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binding machine. 2,603,800, July 22.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Portable binding machine and pegboard. 2,603,801, July 22.

Emmer, Milton, and J. E. Henschel, Brooklyn, N. Y. Beam deflector for cathode-ray tubes. 2,597,465, May 20.

Emmert, George W., Chicago, Ill. Quiz game apparatus. 2,585,099, Feb. 12.

Emmert, George W., and R. J. Olson, assignors to Federal Tool Corporation, Lincolnwood, Ill. Apparatus for making closures for containers. 2,583,093, Jan. 22.

Emmett, James R., Cranham, Upminster, and H. A. Matthews, Hayes, assignors to Ewbank and Partners Limited, London, England. Ion-exchange processes for the treatment of water. 2,617,766, Nov. 11.

Emmett, Milton W., Los Angeles, Calif. Toggle-actuated slidable side jaw wrench. 2,618,188, Nov. 18.

Emmett, Robert A., Jr., United States Navy. Automatic gain control system. 2,608,651, Aug. 26.

Emmick, Robert D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Racemization of amino acid. 2,586,154, Feb. 19.

Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Machine bit for drilling wood. 2,613,710, Oct. 14.

Emmons Loom Harness Company, assignee: *See*—
Galaher, Abbott S.
Leveque, Bernard T.

Emmons, Roy, Fort Lauderdale, Fla. Operating mechanism for vibrating tables. 2,610,040, Sept. 9.

Emmons, Willard O.: *See*—
Rogers, Philip S., Emmons, Godfrey, and Kelso.

Emond, Hector, Suncook, N. H. Double action letoff. 2,619,126, Nov. 25.

Empire Box Corporation, assignee: *See*—
Ferraro, Joseph V.
Kowal, Michael H.

Empire Brush Works, Inc., assignee: *See*—
Gantz, Harry, Schwartz, and Iasillo.

Empire Ironer, Inc., assignee: *See*—
Getgey, John J.

Empire State Laboratories, assignee: *See*—
Parlini, Alexander C., Hascher, and Recker.

Emrich, Albert F., Valley Stream, N. Y. Device for holding a package or the like when tying cord around it. 2,595,235, May 6.

Emrick, George W., deceased, Forest Hills, N. Y.; Manufacturers Trust Company, executor. Apparatus for controlling air cylinder stroke motions. 2,616,398, Nov. 4.

Emrick, Melvin H., Jamaica, N. Y. Variable multiple head. 2,589,485, Mar. 18.

Emrick, Melvin H., Jamaica, N. Y. Indexing mechanism. 2,589,486, Mar. 18.

Emrick, Melvin H., Jamaica, N. Y. Air-cooled tapping attachment. 2,613,786, Oct. 14.

Emro Manufacturing Company, Incorporated, assignee: *See*—
Pessina, Joseph G.

Emsco Derrick & Equipment Co., assignee: *See*—
Ashton, Albert A.

Emsco Derrick & Equipment Company, assignee: *See*—
Ashton, Albert A., and Lammermann.
Hilborn, Howard D., and Walters.

Emsig Manufacturing Company, assignee: *See*—
Troll, William A.

Emslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target detecting system. 2,617,983, Nov. 11.

Emulsol Corporation, The, assignee: *See*—
Bernstein, Herbert I., and Fuchs.
Selz, Edgar.

Enabnit, Robert S., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Air bag electrode construction for radio-frequency heating of pneumatic tires. 2,586,526, Feb. 19.

Enabnit, Robert S., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Air bag or the like having frequency insulator therein. 2,594,139, Apr. 22.

Enabnit, Robert S., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Control for radio frequency heating of rubber. 2,607,872, Aug. 19.

Enander, Arthur G., Rockford, Ill., assignor to Smith & Enander. Exhaust damper. 2,609,837, Sept. 9.

Enderle, Herman, and J. F. Vojnk, Chicago, Ill. Removing olives and the like from containers. 2,610,884, Sept. 16.

Endicott, Homer K., assignor to Homer K. Endicott Enterprises, Cleveland, Ohio. Jet-propelled device. 2,594,627, Apr. 29.

Endicott, Homer K., Enterprises, assignee: *See*—
Endicott, Homer K.

Endicott, James L., assignor to Gaspray Corp., New York, N. Y. Low pressure propelled insecticidal aerosol composition. 2,610,940, Sept. 16.

Endicott, Le Roy E., Pullman, Wash. Boot applicator for universal joints. 2,618,051, Nov. 18.

Endo Products, Inc., assignee: *See*—
Schlesinger, Albert W., and Gordon.
Schoen, Karl, and Gordon.
Weiss, Ulrich.

Endres, Albert A.: *See*—
Boyd, Loyd Q., and Endres.

Endres, Herbert A., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride air filter. 2,597,927, May 27.

Endress, Clarence H., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery nonspill vent plug. 2,619,102, Nov. 25.

Endter, Waldemar A., Long Beach, Calif. Latch bolt structure. 2,622,906, Dec. 23.

Endter, Waldemar A., Long Beach, Calif. Take-up latch mechanism. 2,622,909, Dec. 23.

Endter, Waldemar A., Long Beach, Calif. Vehicle door latch mechanism. 2,606,784, Aug. 12.

Enduro Metal Awning Corporation of America, assignee: *See*—
Fields, Frank.
Hughes, Frank W.

Enge, Evelyn E., Chicago, Ill. Foot and leg rest. 2,615,503, Oct. 28.

Engebretson, Kenneth M.: *See*—
Frantz, Herman W., and Engebretson.

Engel, Edward W., E. J. Giolito, and J. A. McGarry, New Brunswick, N. J., and V. N. Morris, Highland Park, and C. L. Weidner, Cranbury, N. J., assignors to Industrial Tape Corporation. Flexible pressure-sensitive adhesive products. 2,592,550, Apr. 15.

Engel, Harry C., Towson, and W. W. Troxell and T. P. Pajak, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Machine for making honeycomb core material. 2,609,314, Sept. 2.

Engel, Harry C., Towson, and W. W. Troxell and T. P. Pajak, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Making honeycomb core material. 2,609,315, Sept. 2.

Engel, Harry C., Towson, R. Raab, Baltimore, and T. Pajak, Dundalk, assignors to The Glenn L. Martin Company, Middle River, Md. Forming hollow plastic bodies. 2,589,786, Mar. 18.

Engel, Walter, Woodmere, N. Y. Combination cabinet. 2,614,018, Oct. 14.

Engel, Willem F.: *See*—
Hoog, Han, and Engel.

Engel, Willem F., Amsterdam, and P. van 't Spijker, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Catalytic desulfurization of hydrocarbon oils. 2,591,525, Apr. 1.

Engel, Willem F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Double-impregnation method of producing a pelleted catalyst. 2,592,016, Apr. 8.

Engel, William A., Adrian, Mich. Aircraft seat leg release means. 2,614,781, Oct. 21.

Engel, William T., Union, N. J., assignor to Radio Corporation of America. Pressure gauge. 2,595,063, Apr. 29.

Engel, William T., Union, N. J., assignor to Radio Corporation of America. Lead straightening machine. 2,609,858, Sept. 9.

Engel, William T., Union, N. J., assignor to Radio Corporation of America. Hopper for selectively dispensing tube bases. 2,609,912, Sept. 9.

Engelbach, Miles V., Chevy Chase, Md., assignor to The Ruberoid Co., New York, N. Y. Siding corner piece. 2,620,519, Dec. 9.

Engelhardt, Carl F.: *See*—
Wilkening, Frederick W., Braendel, and Engelhardt.

Engelhardt, Edward L., Collingdale, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. N-alkylaminoproplophenones. 2,582,587, Jan. 15.

Engelhardt, Eugen, Lobberich, Germany, assignor to R. H. Jacob, Milwaukee, Wis. Electrically operated toy or model railroad. 2,588,710, Mar. 11.

Engelhardt, Richard A.: *See*—
Schroeder, Robert W., Loughney, and Engelhardt.

Engelhardt, Richard A., Parkville, W. L. Kershaw and R. W. Schroeder, assignors to The Glenn L. Martin Company, Middle River, Md. Propeller feathering control. 2,595,345, May 6.

Engelhardt, Robert H., Indianapolis, and D. A. D. Smith, Bridgeport, Ind. Portable lamp holder with adjustable reflector. 2,602,880, July 8.

Engelhardt, Rudolf: *See*—
Arledter, Hanns, and Engelhardt.

Engelhardt, Rudolf, Leverkusen-Bayerwerk, Germany, and H. Arledter, Hamden, Conn., assignors to Farbenfabriken Bayer, Leverkusen, Germany. Manufacture of aromatic nitriles. 2,591,415, Apr. 1.

Engelhart, True, Pattonville, Mo. Layout machine for airplane construction. 2,618,860, Nov. 25.

Engelman, Fred H., Hanover, N. J. Lady's halter. 2,611,130, Sept. 23.

Engelmann, Max, Wetzlar-on-the-Lahn, Germany, assignor to Ernst Leitz, G. m. b. H. Supporting stand for optical instruments. 2,604,815, July 29.

Engelmann, Nikolaus, Philadelphia, Pa. Grinding wheel profile dressing device. 2,584,003, Jan. 29.

Engelmann, Otto R., Chicago, Ill. Optical instrument. 2,612,893, Oct. 7.

Engeloch, Albert: *See*—
Lüscher, Ernst, and Engeloch.

Engels, Erich G.: *See*—
Kloss, Richard, Engels, and Combüchen.

Engels, Joseph E., and T. A., Mineral Point, Wis. Safety hand brake for tractors. 2,621,535, Dec. 16.

Engels, Thomas A.: *See*—
Engels, Joseph E., and T. A.

Engels, Willard H., Kansas City, Mo. Muffler with perforated cylinder containing inwardly and rearwardly inclined holes. 2,583,366, Jan. 22.

Enger, Clifford E.: *See*—
Weseman, Chester A., and Enger.

Engh, Walter B., Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Mantle mounting for incandescent mantle lamps. 2,603,959, July 22.

Engineering Controls, Inc., assignee: *See*—
Bohuslav, Hans A.
Hull, Robert R.

Engineering Development Company, Incorporated, assignee: *See*—
Wagner, George P.

Engineering Laboratories, Inc., assignee: *See*—
Green, Robert P.
Jones, Emmett B., and Corbin.
Pitcher, James W., and Callahan.

Engineering Research Associates, Inc., assignee: *See*—
Cohen, Arnold A., Hill, and Kalb.
Coombs, John M., and Tompkins.
Steinhardt, Lawrence R.

Engineering & Research Corporation, assignee: *See*—
Berliner, Henry A.

Engineering Research Corporation, assignee: *See*—
Barret, William M.

Engineering Research, Inc., assignee: *See*—
Merz, Max.

Engine Life Products Corporation, assignee: *See*—
Ogilvie, Frank R.

Engine Parts Manufacturing Company, The, assignee: *See*—
North, Harold D., Jr.

England, August J.: *See*—
Kunzmann, Siegfried C., and England.

England, John W., Iowa Falls, Iowa. Twine holder. 2,594,140, Apr. 22.

Englander Company, Inc., The, assignee: *See*—
Paladino, Angelo R.
Pillero, James.

Engle, Andrew J., assignor of one-half to J. E. Kennedy, Chicago, Ill. Grindstone wheel dresser. 2,598,637, May 27.

Engle, Charles J.: *See*—
Blue, Richard W., and Engle.

Englehard, Charles, Inc., assignee: *See*—
Anderson, Edward P.

Englehardt, Wallace H.: *See*—
Westerberg, Oliver D., and Englehardt.

Engler, Max, assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for mixing rubber and the like. 2,593,282, Apr. 15.

Engler, Max, assignor to The General Tire and Rubber Company, Akron, Ohio. Rotatable drum pressing and ply turning device. 2,600,291, June 10.

Engler, Max, assignor to The General Tire and Rubber Company, Akron, Ohio. Supplemental support for assembling ply material bands. 2,609,311, Sept. 2.

Englert, Ralph A., Mill Hall, assignor to Sylvania Electric Products Inc., Emporium, Pa. Grid cutting and forming machine. 2,586,629, Feb. 19.

Englert, Robert D., H. J. Gerjovich, and M. Pijoan, Boulder, Colo., assignors to The Chemical Foundation, Inc., New York, N. Y. Insect control with an hydrogenated naphthylamine. 2,582,375, Jan. 15.

Englesson, John E., Kristinehamn, Sweden. Combined propeller pitch and engine speed control device. 2,588,371, Mar. 11.

English, Aaron, Bellflower, and L. E. Ridgeway, Compton, Calif. Casing perforator. 2,604,941, July 29.

English, Eagerton E., Denver, Colo. Surgical forceps or clamp. 2,618,268, Nov. 18.

English Electric Company Limited, The, assignee: *See*—
Abbink-Spaink, Johann H.
Ferguson, John M., and Brown.
Frankel, Adolf.
Frankel, Adolf, and Mitchell.
Gross, William L., and Hughes.
Gross, William L., Hughes, Wolff, and Frankel.
Hughes, John O. P.
Sterland, Ernest G.
Vickers, Valentine J., and Willis.
Welsh, Robert J.

English, James F., Jr., Lakewood, and A. J. Hornfeck, Lyndhurst, Ohio, assignors to Bailey Meter Company. Radiant energy measuring system. 2,624,012, Dec. 30.

English, Mark A., San Gabriel, and R. O. Borst, Pasadena, Calif.; said Borst assignor to said English. Hoisting mechanism. 2,610,743, Sept. 16.

English, Robert R., assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,610,299, Sept. 9.

English, Robert R., and N. Cappelle, Chicago, Ill., assignors to Oak Mfg., Co. Gear drive. 2,607,238, Aug. 19.

English Steel Corporation Limited, assignee: *See*—
Archer, John.
Gray, Basil, and Cleghorn.

Englund, Kenneth L., Los Altos, Calif., assignor to Stauffer Chemical Company. Maturing cotton. 2,600,861, June 17.

Engnath, Richard W., Brooklyn, N. Y. Carburetor. 2,597,780, May 20.

Engstrom, Henry O., assignor to R. W. Luce, Southport, Conn. Self-locking nut. 2,580,745, Jan. 1.

Engstrom, Henry O., assignor to R. W. Luce, Southport, Conn. Making a self-locking nut. 2,592,128, Apr. 8.

Engstrom, Henry O., New Canaan, assignor to R. W. Luce, Southport, Conn. Making a self-locking nut. 2,592,129, Apr. 8.

Engstrom, Oscar L.: *See*—
Howard, Newell L., and Engstrom.

Engstrom, Oscar L., New York, N. Y. Bottle lifter. 2,592,017, Apr. 8.

Ennis, George H., deceased, and W. W. Ennis; said W. W. Ennis assignor to R. V. Funk, Long Beach, Calif.; J. F. Ennis, executrix of said G. H. Ennis. Apparatus for measuring oil and water production of wells. 2,617,299, Nov. 11.

Ennis, Julia F., executrix: *See*—
Ennis, George H. and W. W.

Ennis, William W.: *See*—
Ennis, George H. and W. W.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Universal feed cover plate for sewing machines. 2,593,864, Apr. 22.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemmed article and making the same. 2,598,638, May 27.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-chain severing device for sewing machines. 2,605,729, Aug. 5.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemming attachment for sewing machines. 2,621,619, Dec. 16.

Enos, Louis H., Montclair, N. J., assignor to Curtiss-Wright Corporation. Deicing means for propellers. 2,619,305, Nov. 25.

Ens, Emil J., assignor to Magnus Harmonica Corporation, Newark, N. J. Key assembly for musical instruments. 2,609,721, Sept. 9.

Ensign, Angus C.: *See*—
Unti, Frank P., Potts, and Ensign.

Ensign Carburetor Company, assignee: *See*—
Ensign, Roy K.

Ensign, Roy K., San Marino, assignor to Ensign Carburetor Company, Huntington Park, Calif. Multiple gas feed system for internal-combustion engines or the like. 2,606,108, Aug. 5.

Ensing, Lukas: *See*—
Janssen, Johannes M. L., and Ensing.

Ensinger, Clarence C.: *See*—
Nye, Norman H., Penn, Ensinger, and Sorrick.

Ensinger, Willis B., Silver Spring, Md. Drive washer. 2,605,121, July 29.

Ensink, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device to minimize interference between dial impulses in a carrier system. 2,600,226, June 10.

Enslein, Kurt, Rochester, N. Y., assignor to Stromberg-Carlson Company. Method and apparatus for automatically aligning electrical circuits. 2,584,004, Jan. 29.

Ensminger, Harry, Milburn, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguisher discharge device. 2,604,173, July 22.

Enso-Gutzeit Osakeyhtiö, assignee: *See*—
Norta, Turma, and Sivola.

Enssle, Fred G., Roselle Park, N. J. Tobacco-smoking pipe bowl and stem cleaner. 2,592,401, Apr. 8.

Enterprise-Moakler Co. Inc., assignee: *See*—
Blake, Samuel.

Enterprise Railway Equipment Company, assignee: *See*—
Dorey, George B.
Koranda, Clarence J.
Zimmer, Albert E.
Zimmer, Albert E., and Batho.

Enterprise Wheel and Car Corporation, assignee: *See*—
Jones, Frank A.

Enters, Robert F.: *See*—
Moulton, Joseph D., and Enters.

Enthoven, H. J., & Sons Limited, assignee: *See*—
Taylor, Leonard F., and Wright.

Entwistle, James L., Cranston, and A. W. Nelson, assignors to The James L. Entwistle Co., Pawtucket, R. I. Apparatus for striping wire. 2,581,180, Jan. 1.

Entwistle, James L., Co., The, assignee: *See*—
Entwistle, James L., and Nelson.

Entz, Ferdinand S., Mount Kisco, and R. O. Soffel, Hastings on Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiotelephone station identifying system. 2,599,097, June 3.

Envoldsen, Karl C., Cleveland, Ohio. Treating shrimp. 2,600,627, June 17.

Envoldsen, Karl C., Cleveland, Ohio. Treating shrimp. 2,622,270, Dec. 23.

Enyeart, Charles R.: *See*—
Cross, James M., and Enyeart.

Enz, Vern E., Jeannette, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Expanding mandrel. 2,615,644, Oct. 28.

Epler, Frederick J., Santa Monica, and H. J. Pfau, Hollywood, Calif. Combined pocket cigarette case and ash tray. 2,585,923, Feb. 19.

Epler, Robin B., and D. L. Woodberry, United States Army, assignors to the United States of America as represented by the Secretary of War. Incendiary bomb. 2,586,801, Feb. 26.

Eppel, Simeon L., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Precautionary circuit. 2,619,178, Nov. 25.

Epperson, Guy J., Macon, Mo. Pivoted clasp. 2,603,849, July 22.

Epple, Paul F., Brooklyn, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Slider for slide fasteners. 2,615,225, Oct. 28.

Eppler, Andrew, Jr.: *See*—
Butler, Ernest L., and Eppler.

Eppler, Walter T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding apparatus for plastic extruders. 2,604,659, July 29.

Eppler, Warren G., Syracuse, N. Y. Model airplane flight control. 2,595,650, May 6.

Eppley Laboratory, Inc., The, assignee: *See*—
Eppley, Marion.

Eppley, Marion, Portsmouth, assignor to The Eppley Laboratory, Inc., Newport, R. I. Plug or septum for electrolytic cells. 2,613,234, Oct. 7.

Epps, Carl S., assignee: *See*—
Cotter, William A.

Epps, Irving, assignee: *See*—
Cotter, William A.

Epps, Thomas B., Boston, Mass. Apparatus for combining materials. 2,609,969, Sept. 9.

Epstein, David J., Boston, Mass., assignor to General Electric Company. Pulse generator. 2,588,098, Mar. 4.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Multiple image projector. 2,590,240, Mar. 25.

Epstein, Eli: *See*—
Christie, Cornelius W., and Epstein.

Epstein, Henry, Brooklyn, assignor of one-third to M. E. Epstein, and one-third to M. M. Epstein, New York, N. Y. Package for twine, rope, or the like. 2,580,900, Jan. 1.

Epstein, Henry, Brooklyn, assignor of one-third to M. E. Epstein and one-third to M. M. Epstein, New York, N. Y. Packages for twine, rope, and the like. 2,610,812, Sept. 16.

Epstein, Henry, Brooklyn, assignor of one-third to M. E. Epstein and one-third to M. M. Epstein, New York, N. Y. Package of coreless tube wound bundle of twine. 2,614,772, Oct. 21.

Epstein, Mandel E., assignee: *See*—
Epstein, Henry.

Epstein, Max, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Stretchable belt. 2,586,457, Feb. 19.

Epstein, Max, Millston, Wis. Plant medium watering device. 2,595,782, May 6.

Epstein, Morton M., assignee: *See*—
Epstein, Henry.

Equipment Development Co., Inc., assignee: *See*—
Smith, Edmund G., and Cocchiarella.

Equipment and Engineering Co., Limited, The, assignee: *See*—
Hayes, George.

Equipment Manufacturing Co., Inc., assignee: *See*—
Bundy, Maurice G.

Equitable Paper Bag Co., Inc., assignee: *See*—
Canno, Leonard E.

Equitable Trust Company, executor: *See*—
Du Pont, Eleuthere P.

Erb, Annie B., executrix: *See*—
Erb, George C.

Erb, Ernst, Basel, Switzerland. Method and means for the preparation of sample cards carrying knotted sample threads. 2,620,641, Dec. 9.

Erb, George C., deceased, Flushing, N. Y., by A. B. Erb, executrix, assignor to American Can Company, New York, N. Y. Friction top container with escape feature. 2,606,685, Aug. 12.

Erb, George H., South Orange, assignor to Elastic Stop Nut Corporation of America, Township of Union, N. J. Fastening device. 2,588,372, Mar. 11.

Erb, George H., South Orange, J. J. Dwyer, Union, and A. G. Kolessar, Linden, assignors to Elastic Stop Nut Corporation of America, Union, N. J. Insulating fastening device. 2,592,130, Apr. 8.

Erban, Richard T., New York, N. Y. Kinoptic device. 2,588,373, Mar. 11.

Erbe, George, Jersey City, N. J. Inserting tool for snap ties. 2,591,925, Apr. 8.

Erbel, Arthur J.: *See*—
Drake, Lewis R., and Erbel.

Erbert, Walter: *See*—
Lucas, Walter D., Erbert, and Kessler.

Erbguth, Paul F. K., Great Neck, N. Y., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Industrial thermometer. 2,608,863, Sept. 2.

Ercolino, Michael D., Wanamassa, N. J. Television antenna. 2,596,389, May 13.

Ercolino, Michael D., Wanamassa, N. J. Antenna. 2,615,133, Oct. 21.

Erdahl, Nicholas M., assignor to Trackson Company, Milwaukee, Wis. Earth auger. 2,592,402, Apr. 8.

Erdman, Charles A., Jr., Haddon Heights, N. J., assignor to Radio Corporation of America. Capacitor-adjusting apparatus. 2,603,737, July 15.

Erdman, Donald C., Burbank, Calif. Ultrasonic flaw detector. 2,593,865, Apr. 22.

Erdmann, Hans, Maplewood, N. J., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Slider for slide fasteners. 2,622,296, Dec. 23.

Erdmann, Hans, Maplewood, N. J., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Slider for slide fasteners. 2,622,297, Dec. 23.

Erdtman, Holger G. H., Stockholm, Sweden. Production of sulfonic acids. 2,623,881, Dec. 30.

Erfurth, Herman C., Verona, assignor of one-third to G. T. Sutch, Lake Geneva, Wis. Hay drying device. 2,601,728, July 1.

Erge, Karl W.: *See*—
Watkins, Wayne B., and Erge.

Ergen, William K., Moorestown, N. J., assignor to Radio Corporation of America. Wind data computer. 2,596,472, May 13.

Ergen, William K., Oak Ridge, Tenn., assignor to Radio Corporation of America. Course interception navigational computer. 2,600,159, June 10.

Ergen, William K., Princeton, N. J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flight instrument. 2,614,251, Oct. 14.

Erhardt, Fredrick, Regina, Saskatchewan, Canada. Aligner for shaft housings. 2,597,308, May 20.

Erhardt, Oscar P.: *See*—
Krueger, Alfred P., and Erhardt.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 2,599,750, June 10.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing and severing device. 2,601,506, June 24.

Erhardt, William A., Jr., assignor to Conso Fastener Corporation, Philadelphia, Pa. Support and stripper. 2,612,281, Sept. 30.

Erhardt, William A., Jr., assignor to Conso Fastener Corporation, Philadelphia, Pa. Machine for mounting snap fasteners or the like having tape advancing means. 2,614,714, Oct. 21.

Erickson, Bernard A.: *See*—
Kuring, William A., and Erickson.

Erickson, C. E., Company, Inc., assignee: *See*—
Erickson, Ernest R.

Erickson, Carl J., and C. H. Johnson, Chicago, Ill.; said Johnson assignor to said Erickson. Bathtub supporting bracket. 2,602,936, July 15.

Erickson, Charles, and E. Spellman, New York, N. Y. Frozen confection apparatus. 2,587,127, Feb. 26.

Erickson, Charles E.: *See*—
Wagner, George H., and Erickson.

Erickson, Charles E., Seattle, assignor to Tradewinds, Inc., Tacoma, Wash. Artificial lure. 2,595,191, Apr. 29.

Erickson, Elmer L., Brookings, S. Dak. Counting device. 2,623,647, Dec. 30.

Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Delivery case. 2,592,797, Apr. 15.

Erickson, Francis L., assignor to Woodward Governor Company, Rockford, Ill. Hydraulic control system. 2,589,067, Mar. 11.

Erickson, Frank A., Elizabeth City, N. C. Stabilizer for rotary wing aircraft. 2,581,396, Jan. 8.

Erickson, Fred E., and L. K. Roe, Sacramento, Calif.; said Roe assignor to said Erickson. Control mechanism for vending and like machines. 2,613,793, Oct. 14.

Erickson, Gustav F., and D. B. McShan, Indianapolis, Ind., assignors, by mesne assignments, to Icecrafter Trust. Ice-making machine. 2,583,294, Jan. 22.

Erickson, Henry T., Cheyenne, Wyo. Adjustable seat construction. 2,619,154, Nov. 25.

Erickson, Herbert F., assignee: *See*—
Colombo, Benjamin D.

Erickson, James A., Littlefork, Minn. Traction splint. 2,604,889, July 29.

Erickson, James S.: *See*—
Long, Henry F., and Erickson.

Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. N-substituted formamidines. 2,615,023, Oct. 21.

Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Dialkoxyacetoguanamines. 2,619,486, Nov. 25.

Erickson, John G., Minneapolis, Minn., assignor to General Mills, Inc. Diquaternary compounds. 2,617,806, Nov. 11.

Erickson, John G., Greenwich, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Copolymer of styrene, glycidyl acrylate and glycidyl methacrylate. 2,580,901, Jan. 1.

Erickson, John G., Greenwich, and W. M. Thomas, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of wool-containing textile materials and products thereof. 2,606,810, Aug. 12.

Erickson, John O., and R. F. Stamm, Stamford, and R. L. Libby, Bedford, Conn., assignors to American Cyanamid Company, New York, N. Y. Sterilizing biological liquids. 2,588,223, Mar. 4.

Erickson, Lennart G., Hillsborough, and K. E. Appert, Atherton Heights, assignors to Lenkurt Electric Co., Inc., San Carlos, Calif. Multichannel transmitting and receiving system. 2,621,254, Dec. 9.

Erickson, Lewis C., assignor to National Iron Company, Duluth, Minn. Belt tensioning mechanism for conveyers. 2,623,630, Dec. 30.

Erickson, Milford A., Denver, Colo. Marking apparatus. 2,588,374, Mar. 11.

Erickson, Oscar H., Puyallup, Wash. Two-cycle engine and pump. 2,582,536, Jan. 15.

Erickson, Paul N., Detroit, Mich. Spare wheel mounting for vehicles. 2,620,105, Dec. 2.

Erickson, Reginald T.: *See*—
Haughey, Clifton F., and Erickson.

Erickson, Reinhold W., Cleveland, Ohio. Shear pivot. 2,596,767, May 13.

Erickson, Warren V.: *See*—
Tessmer, Gordon H., and Erickson.

Ericson, Albert A., Massapequa Park, N. Y., assignor to The Farmingdale Corporation. Hydraulic feed for machine tools. 2,587,449, Feb. 26.

Ericson, Arthur E., Beverly, Mass. Electron prod. 2,580,416, Jan. 1.

Ericson, Donald E.: *See*—
Di Cicco, Anthony R., and Ericson.

Ericson, Donald E., Detroit, and E. E. Kwierant, Van Dyke, Mich., assignors to United States Rubber Company, New York, N. Y. Tire building drum. 2,603,581, July 15.

Ericson, Donald E., Detroit, and E. E. Kwierant, Van Dyke, Mich., assignors to United States Rubber Company, New York, N. Y. Tire building drum. 2,614,057, Oct. 14.

Ericson, Elmer W., Chicago, Ill. Display binder. 2,595,004, Apr. 29.

Ericson, Elmer W., Chicago, Ill. Combined binder and display easel. 2,613,956, Oct. 14.

Ericson, Elmer W., Chicago, Ill. Display binder. 2,617,665, Nov. 11.

Ericson, George R.: *See*—
Snyder, Carl J., and Ericson.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Filter. 2,591,056, Apr. 1.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Filter. 2,597,235, May 20.

Ericson, John R.: *See*—
Garbarini, Robert F., and Ericson.

Ericson, Theodore, assignee: *See*—
Earnhart, Keith F.

Ericsson, Arvid I.: *See*—
Childress, William C., and Ericsson.

Ericsson, Eric A., Stockholm, and A. O. Jörgensen, Traneberg, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Metallic carbides used as microphone resistance granules. 2,583,732, Jan. 29.

Ericsson, Eric A., and E. A. Wiberg, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Transfer mechanism for counting apparatus. 2,623,697, Dec. 30.

Ericsson, Francis S., Warren, Pa. Abdominal supporting belt. 2,587,450, Feb. 26.

Ericsson Telephones Limited, assignee: *See*—
Distin, Lionel S., and Wilman.

Ericsson, Walter E.: *See*—
Jansson, Karl E., and Ericsson.

Erie Mining Company, assignee: *See*—
De Vaney, Fred D.

Erie Resistor Corporation, assignee: *See*—
Heibel, Jerome D.
Van Arsdell, John C., Jr.

Erie City Iron Works, assignee: *See*—
Brinig, Frank G.
Sandstrom, Nils G.

Erie City Manufacturing Company, assignee: *See*—
Leslie, John G., and Robinson.

Eriez Manufacturing Company, assignee: *See*—
Hoff, Ronald C.
Potthoff, William C.

Erikainen, Otto E.: *See*—
Coskey, Alexander N., and Erikainen.

Eriksen, Arthur E., Delhi, Calif. Removing oil from vegetable material. 2,589,238, Mar. 18.

Eriksen, Leif: *See*—
Jnern, Albert, and Eriksen.

Eriksen, Leif H.: *See*—
Smith, Justin L., and Eriksen.

Eriksen, Sivert, and H. D. White, assignors to American Scientific Laboratories, Inc., Madison, Wis. Pellet injector. 2,620,796, Dec. 9.

Erikson, Eben W., Highland Park, assignor to American Hospital Supply Corporation, Evanston, Ill. Fluid receptacle. 2,597,715, May 20.

Erikson, Gustaf, Benton Harbor, and E. C. Filstrup, St. Joseph, assignors to Covel Mfg. Co., Benton Harbor, Mich. Spindle construction. 2,618,517, Nov. 18.

Erikson, Walter H., Rochester, N. Y., assignor to Stromberg-Carlson Company. Obtaining predetermined phase shift characteristics. 2,588,915, Mar. 11.

Eriksson, Allan H.: *See*—
Karlsson, Anders B. E., and Eriksson.

Eriksson, Harold G.: *See*—
Cardella, Salvatore, and Eriksson.

Eriksson, Herbert, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Gyrostatic stabilizer. 2,581,846, Jan. 8.

Eriskin, Huseyin N., Galata-Istanbul, Turkey. Auxiliary air inlet for internal-combustion engines. 2,580,902, Jan. 1.

Erisman, John L., Oak Park, Ill., assignor to Link-Belt Company. Rotary drier or cooler. 2,581,756, Jan. 8.

Erismann, Gérard, assignor to Erismann-Schinz S. A., Neuveville, Switzerland. Shock-absorbing bearing in timekeepers. 2,621,469, Dec. 16.

Erismann-Schinz S. A., assignee: *See*—
Erismann, Gérard.

Erkko, Eero O., assignor to Hercules Powder Company, Wilmington, Del. Hydrocarbon dehydrogenation in presence of added carbon dioxide. 2,604,495, July 22.

Erland, Gustave G., and A. B. Pearson, Pittsburgh, Pa., assignors to United States Steel Company. Booster apparatus for conveyer drives. 2,586,630, Feb. 19.

Erland, Ståle, Kristiansand S., Norway, and H. Tregaard, New York, N. Y. Notched plank or log. 2,588,814, Mar. 11.

Erlebach, Harry D., Sr., Ontario, Oreg. Weeder. 2,593,283, Apr. 15.

Erling, Sven J., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Anticlogging nozzle for currying apparatus. 2,616,120, Nov. 4.

Ermold, Edward, Company, assignee: *See*—
Tess, Albert C.

Ernest, Fred, assignor to G. H. Hall, Los Angeles, Calif. Piston ring. 2,600,745, June 17.

Ernest, Fred, Gardena, Calif. Lock device. 2,607,618, Aug. 19.

Ernest, Fred, Gardena, Calif. Valve. 2,615,668, Oct. 28.

Ernest, Robert H., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Grain puffing machine. 2,598,242, May 27.

Ernest, Walter, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid pressure actuated reversing valve for hydraulic rams. 2,614,539, Oct. 21.

Ernisse, Paul J.: *See*—
Horton, William H., and Ernisse.

Ernst, Carl E.: *See*—
Clareq, Richard J., Jr., and Ernst.

Ernst, Earl A., Bakersfield, Calif. Automatic measuring and bagging machine for produce. 2,596,768, May 13.

Ernst, Edouard, Zurich, Switzerland. Screwstock. 2,616,105, Nov. 4.

Ernst, Fred, Gardena, assignor to G. H. Hall, Los Angeles, Calif. Piston ring. 2,602,010, July 1.

Ernst, George M., Compton, Calif. Vise-operated rod cutter. 2,582,021, Jan. 8.

Ernst, Max, Nuremberg, Germany. Toy motorcycle with a dismounting and mounting cyclist. 2,603,911, July 22.

Ernst, Max, Nuremberg, Germany. Self-steering spring driven wheeled toy. 2,603,913, July 22.

Ernst, Walter: *See*—
Boller, William D., Berkley, Ernst, and Landmeier.

Ernst, Walter, Dayton, assignor, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio. Fluid pressure control valve. 2,600,746, June 17.

Ernst, Walter, Dayton, assignor, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio. Multipurpose control valve. 2,606,571, Aug. 12.

Ernst, Walter, Dayton, assignor, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio. Vane pump or motor. 2,612,114, Sept. 30.

Ernst, Walter, Dayton, assignor, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio. Vane pump and vane therefor. 2,612,115, Sept. 30.

Ernst, Walter, Dayton, and O. J. Fleck, assignors to The Fremont Flask Company, Fremont, Ohio. Foundry flask. 2,611,162, Sept. 23.

Ernst, Wentworth A., Hudson, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Thermostiffening sheet material and making same. 2,596,136, May 13.

Ernyei, Herbert: *See*—
De France, Henri G., and Ernyei.

Ernyei, Herbert, assignor to Society "La Radio-Industrie," S. A., Paris, France. Synchronizing device. 2,621,248, Dec. 9.

Erskine, Frank G.: *See*—
Koenig, Joseph J., Erskine and McManus.

Erskine, John: *See*—
Barr, William, and Erskine.

Erskine, Robert A.: *See*—
Gardiner, Duncan B., and Erskine.

Erson, Erik G., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,584,794, Feb. 5.

Erson, Erik G., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Protection apparatus for fluid pressure brakes. 2,594,546, Apr. 29.

Ertel, Joseph, Jackson Heights, N. Y. Cord clamping means. 2,585,542, Feb. 12.

Ervin, Charles E., Jr., assignor to General Motors Corporation, Detroit, Mich. Governor for internal-combustion engines. 2,617,396, Nov. 11.

Ervine, Denis W.: *See*—
Putnam, John H., Scott, and Ervine.

Erwin, Lester L., San Diego, Calif. Clutch finger tool. 2,599,982, June 10.

Erwin, Ransome W., Dallas, assignor to Salt Water Control, Inc., Forth Worth, Tex. Method and apparatus for treating crude oil emulsions from oil wells. 2,601,903, July 1.

Erwin, Ransome W., Houston, assignor to Salt Water Control, Inc., Fort Worth, Tex. Method and apparatus for treating crude oil emulsions from oil wells. 2,601,904, July 1.

Erwin, Robert L., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Bearing for grain drill disk. 2,614,895, Oct. 21.

Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Short wave antenna. 2,599,705, June 10.

Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Variable capacitance device. 2,615,960, Oct. 28.

Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Self-compensated plate current oscillator. 2,617,856, Nov. 11.

Erwood, John: *See*—
Erwood, Joseph, and J.

Erwood, Joseph, Crystal Lake, Ill., assignor, by mesne assignments, to W. J. McGah, as trustee. Intermittent operating mechanism. 2,591,796, Apr. 8.

Erwood, Joseph, and J., Chicago, Ill., assignors, by mesne assignments, to W. J. McGah, as trustee. Record changing mechanism. 2,616,702, Nov. 4.

Esarey, Raymond W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing assembly. 2,583,141, Jan. 22.

Esarey, Raymond W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine construction. 2,590,525, Mar. 25.

Esarey, Raymond W., Lima, Ohio., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor shaft and bearing construction. 2,619,391, Nov. 25.

Esbenshade, Theodore H.: *See*—
Anderson, Theodore L., and Esbenshade.

Escande, Jean R. A. F.: *See*—
Borel, Pierre C., Escande, and Mauge.

Esch, Carleton B., Indianapolis, Ind. Automobile window armrest. 2,586,631, Feb. 19.

Esch, Oscar W., Milwaukee, Wis. Parlor baseball game. 2,606,029, Aug. 5.

Eschenbrenner, Hector X., Columbus, Ohio. Method and apparatus for forming concrete pipes. 2,585,756, Feb. 12.

Eschenburg, William A., Freeport, Ill., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Saw guard. 2,623,555, Dec. 30.

Escher, Anne, The Hague, Netherlands. Heat accumulator. 2,580,534, Jan. 1.

Escher, Hans, Wollongong, assignor to Australian Iron & Steel Limited, Sydney, New South Wales, Australia. Pilot or relay valve. 2,582,626, Jan. 15.

Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Machine tool spindle and variable-speed drive therefor. 2,597,716, May 20.

Eserkaln, Theodore F., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,618,202, Nov. 18.

Eshelman, Alvin L., Upland, Calif. Crate conveyer. 2,601,507, June 24.

Eshenaur, Ray E., and C. L. Brockman, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Vinyl resin floor covering and forming a sealable panel therewith. 2,605,514, Aug. 5.

Eskew, Stanley F., Fayetteville, W. Va. Automobile tent. 2,585,449, Feb. 12.

Eskimo Pie Corporation, assignee: *See*—
Fleming, William M.
Sestilio, Armand J.

Eskin, Samuel G., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Electric ignition and automatic pilot for gaseous fuel burners. 2,614,622, Oct. 21.

Eskin, Samuel G., and H. W. Rice, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control device. 2,594,750, Apr. 29.

Eskin, Samuel G., and P. C. Hayden, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company. Control device body. 2,603,509, July 15.

Eskin, Samuel G., H. W. Rice, and A. M. Arkelyan, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined thermostat and automatic pilot control. 2,607,530, Aug. 19.

Eskin, Samuel G., H. W. Rice, and A. M. Arkelyan, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined thermostat and automatic pilot control. 2,607,531, Aug. 19.

Eskin, Samuel G., and H. W. Rice, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company. Temperature control device. 2,610,678, Sept. 16.

Eskola, Edmund A., deceased, Bothell, Wash.; L. M. Eskola, administratrix of said E. A. Eskola. Dispenser for insect-repellent material. 2,586,761, Feb. 19.

Eskola, Lempi M., administratrix: *See*—
Eskola, Edmund A.

Eslick, Frederick M., Auburn, Ala. Reinforced plastic patch for walls. 2,598,984, June 3.

Eslick, Victor G., assignor to Barnet Instruments Limited, Barnet, England. Screw-adjusted cam closed vise or workholder. 2,620,693, Dec. 9.

Eslinger, John, Chicago, Ill. Artificial fish bait. 2,613,470, Oct. 14.

Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Societe Pour L'Application D'Inventions Scientifiques, Luxemburg. Apparatus for the rapid vaporization of water by means of a solid combustible. Re. 23,494, May 20.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,598,897, June 3.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,598,898, June 3.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Dissolution of titaniferous materials. 2,617,724, Nov. 11.

Espenschied, Lloyd, Kew Gardens, N. Y., and J. G. Chaffee, Hackensack, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiant energy object locating system. 2,581,847, Jan. 8.

Espenschied, Wilbur L., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Detachable and adjustable support for mounting contact boxes in meter troughs. 2,598,521, May 27.

Espey, George B., and G. D. Waite, Cleveland, Ohio. Fishing lure. 2,596,474, May 13.

Espley, Dennis C., North Wembley, assignor to The General Electric Company, Limited, London, England. Electrical networks for echo correction in electrical signaling systems. 2,597,781, May 20.

Esposito, Mario, Gloversville, N. Y. Combined clothesline, pulley, and clothespin. 2,586,632, Feb. 19.

Esposito, Ralph J., New Orleans, La. Fishing reel seat. 2,592,878, Apr. 15.

Esposito, Vito, Haddon Heights, assignor to R. M. Hollingshead Corporation, Camden, N. J. Hydraulic fluid composition. 2,588,970, Mar. 11.

Esposito, Vito, Haddon Heights, assignor to R. M. Hollingshead Corporation, Camden, N. J. Treating tall oil with alkylene oxides. 2,610,966, Sept. 16.

Esselman, Walter H.: *See*—
Keiper, Phillip C., and Esselman.
Lund, Alvin O., and Esselman.

Esselman, Walter H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Zoned elevator system. 2,621,759, Dec. 16.

Essette forpackning ab, assignee: *See*—
Rohdin, James O.

Essex Aero Limited, assignee: *See*—
Cross, Reginald J.

Essex, Alois: *See*—
Garrett, Elmer E., Essex, and Hampton.

Essex, Alois, Glendale, E. E. Garrett, Freeport, and J. Kallenberg, Stewart Manor, N. Y., assignors to The Sperry Corporation. Apparatus for stacking carton blanks. 2,599,442, June 3.

Essex Electronics, assignee: *See*—
Altenberger, Edmund C.

Essex Products, Inc., assignee: *See*—
Zabriskie, Charles L.

Essex Research Corporation, assignee: *See*—
Wynne, Dominic J.

Essex, Robert L.: *See*—
Burke, William F., and Essex.

Essex Wire Corporation, assignee: *See*—
Clayton, Harold H.
Lybrook, Malcolm T., and Clayton.
Prouty, Robert E.
Talmadge, Palmer C., Zartman, and Prouty.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Vehicle wheel mounting. 2,596,390, May 13.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Tractor sprayer. 2,596,473, May 13.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Portable spraying equipment. 2,614,884, Oct. 21.

Essick Manufacturing Company, assignee: *See*—
Essick, Bryant.
Brookins, Richard N.

Essman, Manuel, New York, N. Y. Stacked container device. 2,582,421, Jan. 15.

Esso Standard Societe Anonyme Francaise, assignee: *See*—
Jouandet, Christian, and Riegert.

Estel, George A., Jr., assignor to Globe Hoist Company, Des Moines, Iowa. Cover means for pit-mounted vehicle lifts. 2,594,892, Apr. 29.

Esten, Edwin C., Lima, Ohio. Auxiliary mailbox flag. 2,592,671, Apr. 15.

Ester, Virginia C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Condition cellulose acetate yarn and product resulting therefrom. 2,622,045, Dec. 16.

Esterbrook Pen Company, The, assignee: *See*—
Klagges, Henry C.

Estes, Phillip H., Schenectady, N. Y., assignor to General Electric Company. Temperature responsive variable reactance. 2,620,469, Dec. 2.

Esteve, Ramón V., Fraga-Huesca, Spain. Saw sharpening machine. 2,618,177, Nov. 18.

Estey, James R., South Pasadena, assignor to Aluminex Incorporated, Los Angeles, Calif. Roof glazing. 2,604,061, July 22.

Estok, Paul A., Lakewood, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Manufacture of pipe plugs or the like. 2,593,126, Apr. 15.

Estrada, Alberto, Los Angeles, Calif. Razor. 2,598,243, May 27.

Esval, Orland E., Huntington, N. Y., assignor to The Sperry Corporation. Blind landing indicator and controller for aircraft. 2,613,050, Oct. 7.

Etablissements Charles Beaudouin, assignee: *See*—
Babaud, Jean.

Etablissements Ed. Jaeger, assignee: *See*—
Held, Simon S.

Etablissements Emel, assignee: *See*—
Laurent, François.

"Etablissements Francois Masurel Freres," assignee: *See*—
Valentin, Marie J. A.

Etablissements Japy Freres, Societe Anonyme, assignee: *See*—
D'Angely, Jean, and Linard.

Etablissements Jouan, assignee: *See*—
Mathieu, Paul C.

Etablissements Lambiotte Freres, assignee: *See*—
Coutor, Charles.

Etablissements Merlin & Gerin, assignee: *See*—
Latour, André.

Etablissements Merlin & Gerin-Societe Anonyme, assignee: *See*—
Branchu, Paul J.

Etablissements Paul Duclos, assignee: *See*—
Wulleman, Albert.

Etablissements Vermot-Gaud & Cie, assignee: *See*—
Bretton, René.

Etat Francais, assignee: *See*—
Dorand, René.

Etbauer, Raymond J., Wessington Springs, S. Dak. Spare wheel mounting bracket. 2,621,837, Dec. 16.

Etched Products Corporation, assignee: *See*—
Nierenberg, Theodore D.
Penker, Ernest.

Eternit A.-G., assignee: *See*—
Herzog, Carl.

Etheridge, Harry A., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic measurement of transmission characteristics. 2,617,855, Nov. 11.

Etheridge, Oliver R., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Jet pasting of starch. 2,582,198, Jan. 8.

Etherington, Lewis D.: *See*—
Nicholson, Edward W. S., Fritz, and Etherington.

Etherington, Lewis D., Bayonne, and H. W. Scheeline, West Orange, N. J., assignors to Standard Oil Development Company. Fractionation of gaseous mixtures. 2,581,088, Jan. 1.

Ethicon Suture Laboratories, Incorporated, assignee: *See*—
Zoller, Howard F.

Ethington, Lloyd D.: *See*—
Fletcher, Edward H., and Ethington.

Ethridge, Jesse P., Louisville, Ga. Saw gauge and guide. 2,598,117, May 27.

Ethyl Corporation, assignee: *See*—
Bartholomew, Earl.
Blitzer, Sidney M., and Brown.
Burt, William E.
Burt, William E. and J. T., and Ligett.
Calingaert, George.
Calingaert, George, and Shapiro.
Gilbert, Oscar G.
Giraitis, Albert P.
Governale, Luke J., Huguet, and Neher.
Hinkamp, James B., and Sugimoto.
Hinkamp, James B., Sugimoto, and Dittmar.
Kolka, Alfred J., and Krohn.
Krohn, Ivar T., and Shapiro.
Lamb, Frances W.
Ligett, Waldo B., Closson, and Wolf.
Mattson, George W.
Miller, Leo A., Dunn, and Neher.
Miller, Leo A., Dunn, Neher, and Hall.
Shapiro, Hymin.
Shapiro, Hymin, and Krohn.

Etling, Betty J., trustee, assignee: *See*—
Etling, Harold A.

Etling, Harold A.: *See*—
Etling, Harold A.

Etling, Harold A., assignor of twenty-fortieths to B. J. Etling, five-fortieths to B. J. Etling as trustee for T. D. Etling, five-fortieths to B. J. Etling as trustee for H. A. Etling, five-fortieths to B. J. Etling as trustee for M. A. Etling, and one-fortieth to J. C. Etling, Marshallville, Ohio. Window construction having both pivotal and sliding movement. 2,584,684, Feb. 5.

Etling, Jefferson C.: *See*—
Etling, Harold A.

Etling, Milissa A.: *See*—
Etling, Harold A.

Etling, Terry D.: *See*—
Etling, Harold A.

Etna Machine Company, The, assignee: *See*—
Abbey, Nelson D.

Etnyre E. D., & Co., assignee: *See*—
Etnyre, Samuel R.

Etnyre, Samuel R., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributing system for bituminous and like material. 2,599,704, June 10.

Ettel, Viktor, assignor to Spolek pro chemickou a hutni vyrobu, narodni podnik, also named United Chemical and Metallurgical Works, National Corporation, Prague, Czechoslovakia. Impregnating wood with soluble arsenical compounds. 2,590,162, Mar. 25.

Ettel, Viktor, assignor to Spolek pro chemickou a hutni vyrobu, narodni podnik, also named United Chemical and Metallurgical Works, National Corporation, Prague, Czechoslovakia. Production of an acid of the ascorbic acid type from a 2-keto-hexonic acid. 2,590,163, Mar. 25.

Etten, Nicholas L., Cedar Falls, Iowa. Foldable metal awning. 2,600,228, June 10.

Etten, Nicholas L., Cedar Falls, Iowa. Foldable metal awning. 2,600,229, June 10.

Etten, Nicholas L., Cedar Falls, Iowa. Foldable metal awning. 2,600,230, June 10.

Etten, Nicholas L., Cedar Falls, Iowa. Blind structure. 2,621,723, Dec. 16.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,585,757, Feb. 12.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,586,155, Feb. 19.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Single manipulative pressure adjuster and auxiliary release for wringers. 2,589,353, Mar. 18.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,589,354, Mar. 18.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,598,773, June 3.

Etten, Nicholas L., Waterloo, Iowa. Folding side and top awning. 2,600,227, June 10.

Etten, Nicholas L., Waterloo, Iowa, and J. M. Beach, Grand Rapids, Mich. Combination transport coffin and casket. 2,611,946, Sept. 30.

Etterer, Carl P.: *See*—
Graham, Thomas K., and Etterer.

Ettl, Joseph, Brooklyn, N. Y. Coating machine. 2,581,848, Jan. 8.

Ettmüller, Walter, Zurich, Switzerland. Erasure-debris collector on typewriters and like machines. 2,583,259, Jan. 22.

Etzelt, Heinrich, assignor to Alex-Friedmann, Kommanditgesellschaft, Vienna, Austria. Lubricating pump. 2,611,449, Sept. 23.

Etzelt, Heinrich, Vienna, Austria. Plunger-type fluid distributor. 2,619,190, Nov. 25.

Euclid Road Machinery Co., The, assignee: *See*—
Armington, George E.
Armington, Raymond Q. and G. E.
Camilly, Roger L., and Quartullo.
Double, Walter F.
Peller, Henry A.

Eudora Beltless Specialty Machine Co., Inc., assignee: *See*—
Von Gunten, Albert.

Eull, Fred, San Diego, Calif. Removable seat cover. 2,587,128, Feb. 26.

Eureka Specialty Printing Company, assignee: *See*—
Vassar, Thomas E.

Eureka Williams Corporation, assignee: *See*—
Balluff, Edwin J.
Hahn, Paul T.
Osborn, Ralph C.
Witherell, Robert R.
Witherell, Robert R., and Wright.

Eusepi, Alberto: *See*—
Paoloni, Carlo, and Eusepi.

Eustis, Irving N., and N. J. McDonald, assignors to Fairmont Railway Motors, Inc., Fairmont, Minn. Cam construction for use in timers. 2,621,539, Dec. 16.

Eustis, William E. C.: *See*—
Konrad, Erich H., and Eustis.

Euwer, Herbert D., Kirkwood, Mo., assignor to American Car and Foundry Company, New York, N. Y. Ventilating unit. 2,605,691, Aug. 5.

Evangelista, Tullio, Milan-Bovisa, Italy. Self-centering chuck. 2,581,474, Jan. 8.

Evans, Albert, assignor to W. H. Smith & Son Limited, London, England. Stationary feed mechanism for imprinting machines. 2,584,195, Feb. 5.

Evans, Arthur, Southall, and W. E. Edwards, London, assignors to The Fairey Aviation Company Limited, Hayes, England. Turn button for aircraft cowlings. 2,581,089, Jan. 1.

Evans Case Co., assignee: *See*—
Jacques, Joseph, and Reilly.
Reilly, Alfred F.
Reilly, William J.

Evans, Charles W., Southport, England. Tractor mounted two-way plow. 2,623,447, Dec. 30.

Evans, Chives W., Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich. Noncaking sea salt and producing the same. 2,606,839, Aug. 12.

Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic timing relay. 2,590,302, Mar. 25.

Evans, Cyril D.: *See*—
Cowan, John C., and Evans.
Cowan, John C., Evans, and McKinney.
Schwab, Arthur W., Evans, and Cowan.
Schwab, Arthur W., Moser, and Evans.

Evans, Cyril D., A. W. Schwab, and J. C. Cowan, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils. 2,610,973, Sept. 16.

Evans, David S., Radlett, England. Calculating machine. 2,590,599, Mar. 25.

Evans, Earl R., Jackson Heights, assignor to Times Facsimile Corporation, New York, N. Y. Multistation selective communication system. 2,599,904, June 10.

Evans, Edward M., Tonbridge, England, and J. E. S. Whitney, Penarth, Wales, assignors to British Resin Products Limited, London, England. Vinyl phenol copolymers. 2,583,638, Jan. 29.

Evans, Edward M., and R. W. H. Wicking, Tonbridge, assignors to British Resin Products Limited, London, England. Preparing urea formaldehyde lacquer compositions. 2,600,100, June 10.

Evans, Emanuel E., assignee: *See*—
Kish, John S.

Evans, Evan F., assignor to Hercules Powder Company, Wilmington, Del. Acetylation of cellulose. 2,586,633, Feb. 19.

Evans, Fraser M., Acton, London, assignor to C. A. V. Limited, London, England. Liquid fuel injection pump. 2,619,908, Dec. 2.

Evans, Fred S., Milton, Pa. Three piece hinge. 2,603,822, July 22.

Evans, Fred S., Milton, Pa. Hinge with removable sleeve. 2,603,824, July 22.

Evans, Fred S., Milton, Pa. Three-piece hinge. 2,619,673, Dec. 2.

Evans, George G., assignee: *See*—
Rooke, George F.

Evans, George M., Tucson, Ariz. Automobile safety ignition lock. 2,623,133, Dec. 23.

Evans, Gerald T., Brazil, Ind. Locating key. 2,620,704, Dec. 9.

Evans, Guy O'K., assignee: *See*—
Glick, Leslie P., and Norman.

Evans, H. C., & Co., assignee: *See*—
Andres, Lloyd J.

Evans, Harold D., assignor of one-half to H. L. Evans, Kansas City, Mo., and one-half to said H. D. Evans. Garment hanger. 2,582,320, Jan. 15.

Evans, Harry M., Graham Township, Clearfield County, Pa. Puncturing dispenser for canned liquids. 2,609,121, Sept. 2.

Evans, Harry W., assignee: *See*—
Mefford, Cash O., and Massey.

Evans, Helen L., assignee: *See*—
Evans, Harold D.

Evans, Howard J., Export, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Thermoresponsive coupling for differential pressure registering mechanism. 2,612,781, Oct. 7.

Evans, Howard J., Lancaster, Pa., assignor to Radio Corporation of America. Cathode-ray tube with aluminized screen. 2,582,822, Jan. 15.

Evans, Howard T., Jr., White Plains, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. X-ray single crystal goniometer. 2,615,136, Oct. 21.

Evans, James E., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Classifying system for pieces of solid material having unequal size. 2,593,425, Apr. 22.

Evans, James S.: *See*—
Wilson, Harry G., and Evans.

Evans, James W. W., Clifton, near Manchester, England. Apparatus for extracting water from webs of pulp or paper. 2,601,378, June 24.

Evans, John E., Montgomery Township, Somerset County, N. J., assignor to Radio Corporation of America. Color television system. 2,580,903, Jan. 1.

Evans, John, Manufacturing Company, Inc., assignee: *See*—
Mittell, Carl E.

Evans, John O., Jr., Washington, D. C. Bar accessory having a siphon for dispensing a predetermined quantity of liquid. 2,589,068, Mar. 11.

Evans, John R., Morden, England. Concentric grinding unit for use on surface grinders and the like. 2,604,739, July 29.

Evans, Joseph R., Lincoln, Nebr. Two-cycle pump and engine assembly. 2,612,149, Sept. 30.

Evans, Llewellyn W., Rivera, assignor to Rheem Manufacturing Company, Richmond, Calif. Sheet rolling machine. 2,600,628, June 17.

Evans, Llewellyn W., Rivera, assignor to Rheem Manufacturing Company, Richmond, Calif. Welding fixture. 2,607,310, Aug. 19.

Evans, Louis L.: *See*—
Little, Ralph V., Jr., and Evans.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing hydrocarbon feed stocks containing asphaltic material for catalytic cracking. 2,592,403, Apr. 8.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion. 2,592,404, Apr. 8.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Pulsating hydrocarbon conversion. 2,603,591, July 15.

Evans, Martin E., Brooklyn, N. Y. Continuous wire drawing machine. 2,606,650, Aug. 12.

Evans, Owen, assignee: *See*—
Verreet, Joseph.

Evans Products Company, assignee: *See*—
Child, Lachlan W.
Nampa, Sulo M.
Schueder, George M.
Schueder, George M., Krokos, and Tracht.
Schueder, George M., Krokus, and Nichols.
Schueder, George M., and Zimmer.

Evans, Ralph L., assignee: *See*—
Murphy, James G., and Mulvaney.
Pienti, Albert A.

Evans, Ralph L., Bay Shore, N. Y. Nut shelling device. 2,617,459, Nov. 11.

Evans, Ralph L., Bay Shore, and E. G. McDonough, Yonkers, assignors to R. L. Evans, doing business as Ralph L., Evans Associates, New York, N. Y. Dichloramine compound solution. 2,618,584, Nov. 18.

Evans, Ralph L., Associates, assignee: *See*—
Evans, Ralph L., and McDonough.

Evans, Raymond B.: *See*—
Kunze, Walter G., and Evans.

Evans Research & Development Corporation, assignee: *See*—
Hochstadt, Harold R.

Evans, Richard H., and L. P. Purple, London, England, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Furnace chamber. 2,596,953, May 13.

Evans, Richard, 2nd, Johnstown, N. Y. Finishing knitted fabric. 2,588,624, Mar. 11.

Evans, Robert B., Natrona, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Lift front lens holder. 2,590,526, Mar. 25.

Evans, Robert P., Westwood, assignor to Visual Research Incorporated, Boston, Mass. Prismatic optical viewing device. 2,618,199, Nov. 18.

Evans, Ronald M., Ickenham, assignor to Glaxo Laboratories Limited, Greenford, England. Unsaturated carbinol and preparing same. 2,622,102, Dec. 16.

Evans, Ronald M., Ickenham, assignor to Glaxo Laboratories Limited, Greenford, England. Unsaturated carbinol and preparing same. 2,622,103, Dec. 16.

Evans, Ronald M., Ickenham, assignor to Glaxo Laboratories Limited, Greenford, England. Unsaturated carbinol and preparing same. 2,622,104, Dec. 16.

Evans, Ronald M., Ickenham, and P. G. Jones, London, assignors to Glaxo Laboratories Limited, Greenford, England. Preparation of new unsaturated ketone. 2,614,124, Oct. 14.

Evans, Russell T., and J. H. Clasen, Anaheim, Calif. Horizontally hinged wheeled disk harrow. 2,613,491, Oct. 14.

Evans, Russell T., and J. H. Clasen, Anaheim, Calif. Automatic lift for disk harrows. 2,623,341, Dec. 30.

Evans, S. W., & Son, assignee: *See*—
Evans, Wayne S., Jr.

Evans, Sanford, Westport, assignor to The Bassick Company, Bridgeport, Conn. Industrial truck. 2,607,608, Aug. 19.

Evans, Sidley O.: *See*—
Ratcliffe, Temple W., and Evans.

Evans, Theodore W.: *See*—
Adelson, David E., and Evans.
Whetstone, Richard R., and Evans.

Evans, Theodore W., Oakland, D. E. Adelson, Berkeley, Calif., and L. N. Whitehill, Chicago, Ill., assignors to Shell Development Company, Emeryville, Calif. Mixed polycarboxylic acid esters of alkylidene glycols and polymers thereof. 2,612,491, Sept. 30.

Evans, Theodore W., and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Carbo-polymerization homopolymers of unsaturated alcohol ethers of glycidols and their homologs. 2,599,817, June 10.

Evans, Thomas: *See*—
Turkenkoph, Sylvanus C., and Evans.

Evans, Victor B., San Jose, Calif. Can separating device. 2,583,934, Jan. 29.

Evans, Walter R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well casing gun. 2,593,866, Apr. 22.

Evans, Wayne S., Jr., Huntingdon Valley, assignor to S. W. Evans & Son, Philadelphia, Pa. Reversible umbrella. 2,607,362, Aug. 19.

Evans, Wendell I., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Sensitive hydraulic tracer valve. 2,612,184, Sept. 30.

Evans, Wil, Berkeley, assignor to California Container Corporation, Emeryville, Calif. Box construction. 2,594,628, Apr. 29.

Evans, Wil, Oakland, Calif., assignor, by mesne assignments, to Mrs. R. A. Hodsell. Refrigerating package. 2,619,801, Dec. 2.

Evans, William A., Mankato, Minn. Sugar beet harvester. 2,617,243, Nov. 11.

Evans, William E., Jr., Menlo Park, Calif., assignor to the United States of America as represented by the Secretary of the Air Force. Amplitude modulator of the outphasing type. 2,624,041, Dec. 30.

Evans, William H., Chicago, Ill. Line reaming and boring machine. 2,584,005, Jan. 29.

Evans, William H., Chicago, Ill. Boat construction. 2,617,377, Nov. 11.

Evans, William H., Miami Beach, Fla. Jig for line reaming and boring machines. 2,614,443, Oct. 21.

Evans, William H., Miami Beach, Fla. Boat construction. 2,617,376, Nov. 11.

Evans, William I., assignee: *See*—
Witte, James G.

Evans, William I., and E. Blanco, Los Angeles, Calif. Rod to plate joint structure. 2,585,304, Feb. 12.

Evans, William L., Gary, Ind. Apparatus for driving wedges in armature slots. 2,599,818, June 10.

Evans, William M., La Habra Heights, and R. S. Thacker, assignors to U. S. Electrical Motors, Inc., Los Angeles, Calif. Spacer for casting squirrel cage rotors. 2,607,969, Aug. 26.

Evasic, John, Detroit, Mich. Stud feeding machine. 2,595,065, Apr. 29.

Even, Nicholas, Excelsior, assignor to Minneapolis-Moline Company, Hopkins, Minn. Tuyère. 2,602,661, July 8.

Even-Pul Foundations, Inc., assignee: *See*—
Lo Cascio, Jack J.
Morano, Patrick J.
Rosner, Irving.

Evenson, Ernest, East Grand Forks, Minn. Cultivator attachment for tractors. 2,609,741, Sept. 9.

Everard, Joseph J., Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Time switch. 2,596,330, May 13.

Everard, Joseph J., Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Time switch. 2,623,132, Dec. 23.

Eveready Briksaw Company, assignee: *See*—
Scott, George P.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Adjustable footrest for wheel chairs and the like. 2,591,246, Apr. 1.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Collapsible commode chair. 2,592,405, Apr. 8.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Adjustable leg rest for wheel chairs. 2,598,985, June 3.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Reversible wheel chair. 2,601,379, June 24.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Detachable footrest for wheel chairs. 2,601,889, July 1.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. X-brace construction for collapsible invalids' wheel chairs. 2,618,319, Nov. 18.

Everest & Jennings, Inc., assignee: *See*—
Miller, Jack C.

Everett, Charles V., assignor to Massey-Harris Company, Racine, Wis. Blower elevator. 2,588,711, Mar. 11.

Everett, Franklin L., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War. Fuse detonating mechanism. 2,598,157, May 27.

Everett, Harry F., assignor to Product Engineering Co., Portland, Oreg. Loading mechanism for cap pistols. 2,597,089, May 20.

Everett, Harvey J., assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Stuffing box. 2,608,424, Aug. 26.

Everett, Kenneth E., London, England., assignor to International Standard Electric Corporation, New York, N. Y. Nonemissive electrode and manufacturing. 2,584,994, Feb. 12.

Everett, Samuel J., Thornton Heath, assignor to James A. Jobling & Company, Ltd., Sunderland, England. Formation of glass and other thermoplastic tubes. 2,601,744, July 1.

Everett, Woodrow W., Phoenix, Ariz., assignor to The Tractor Sales Corp., Los Angeles, Calif. Trenching machine transmission. 2,617,314, Nov. 11.

Everhard, Harry H., Canton, Ohio. Thermostatic control device. 2,588,224, Mar. 4.

Everhart, Charles O., Cleveland, Ohio. Fuel control system. 2,619,285, Nov. 25.

Everhart, John O., Columbus, assignor, by mesne assignments, to The National Clay Pipe Research Corporation, Logan, Ohio. Apparatus for drying and conveying ceramic bodies. 2,618,075, Nov. 18.

Evering, Bernard L.: *See*—
Roebuck, Alan K., and Evering.

Evering, Bernard L., and E. F. Peters, assignors to Standard Oil Company, Chicago, Ill. Conversion of olefins, carbon monoxide, and hydrogen. 2,606,939, Aug. 12.

Everitt, Jack L. H.: *See*—
Knight, Lorne F., and Everitt.

Everitt, William L., Urbana, Ill., assignor to Motorola, Inc. Radio control system. 2,585,640, Feb. 12.

Everlasting Valve Company, assignee: *See*—
Harrower, William.

Evernden, Harold I. F., Hazlewood, Duffield, near Derby, assignors to Rolls-Royce Limited, Derby, England. Rotary hydraulic torque converter. 2,603,943, July 22.

Evers, Alfred, Augsburg, Bayern, Germany, assignor to A. Fuegeman, Westchester County, N. Y. Combination enlarger and projector system. 2,603,125, July 15.

Evers, Clarence C.: *See*—
Downing, Rexford D., and Evers.

Evers, Dundred D., La Jolla, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Computing device. 2,586,421, Feb. 19.

Evers, Frank B., Nashville, Tenn. Baker's rack. 2,622,740, Dec. 23.

Eversharp, Inc., assignee: *See*—
Greist, Raymond L.
Moos, Anthony M.

Eversbed and Vigholes Limited, assignee: *See*—
Marchment, William T., Boundy and Bergen.
Perry, Charles E.

Eversole, William G., and W. Drost, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Synthetic rutile and making. 2,610,129, Sept. 9.

Everston, Joseph H., Los Angeles, Calif. Shoe with sole stay extension. 2,603,890, July 22.

Everston, Joseph H., Los Angeles, Calif. Shoe with elastic webbing and loop thereover. 2,607,131, Aug. 19.

Everston, Joseph H., Milwaukee, Wis. Shoe with sole leather toe. 2,587,300. Feb. 26.

Evert, William J., Burbank, Calif. Sectional and portable boat structure. 2,584,685, Feb. 5.

Everts, Ambrose B., Seattle, Wash., dedicated to the free use of the People in the territory of the United States. Device for setting and controlling backfires. 2,607,336, Aug. 19.

Eves, Frederick S., Bangor, assignor to Munster Simms & Company Limited, Belfast, Northern Ireland. Weft change box mechanism for looms for weaving. 2,615,475, Oct. 28.

Evonuk, Norman R., Springfield, and W. E. Evonuk, Eugene, Oreg. Stake setter. 2,617,627, Nov. 11.

Evonuk, Walter E.: *See*—
Evonuk, Norman R. and W. E.

Evracts, Vernon J., Glendale, and G. A. Mitchell, Pasadena, assignors to Mitchell Camera Corporation, Glendale, Calif. Intermittent movement having improved lubricating means. 2,619,005, Nov. 25.

Ewald, George W., Short Hills, N. J. Container for coiled ribbons and the like. 2,582,422, Jan. 15.

Ewald, Paul M.: *See*—
Steinbach, Emil C., and Ewald.

Ewald, Raymond L., and H. A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg. Fruit pitting method and apparatus. 2,623,564, Dec. 30.

Ewald, William P., assignor to Eastman Kodak Company, Rochester, N. Y. Transparency inserting and positioning device. 2,596,667, May 13.

Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Liquid removing pressure roller. 2,602,381, July 8.

Ewaldson, Waldemar C., Millington, and J. N. Selvig, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Pulp insulating machine. 2,586,634, Feb. 19.

Ewart, Elliott S., St. Clair Shores, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire casing. 2,600,231, June 10.

Ewart, Gweldon O., Ollie, Iowa. Coin-counting and wrapping device. 2,590,241, Mar. 25.

Ewart, John M., and L. S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe toe lining trimming machine. 2,582,975, Jan. 22.

Ewart, Roswell H., Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y. Manufacture of sponge rubber. 2,621,217, Dec. 9.

Ewart, Roswell H., Bloomfield, and W. V. Smith, Nutley, N. J., assignors to United States Rubber Company, New York, N. Y. Copolymerization of 1,3-butadienes with dialkyl methylenemalonates. 2,610,964, Sept. 16.

Ewbank and Partners Limited, assignee: *See*—
Emmett, James R., and Matthews.

Ewbank, Walter J.: *See*—
Briggs, Southwick W., Bauer, and Ewbank.

Ewell, Andrew T., assignor to D. P. Gavan, Atlanta, Ga. Belting. 2,593,284, Apr. 15.

Eweh, Harold I., United States Navy. Electronic psychrometer. 2,600,396, June 17.

Eweson, Eric W., Newport, R. I. Apparatus for making organic fertilizer. 2,593,867, Apr. 22.

Ewing, Benton M.: *See*—
Ewing, William R. and B. M.

Ewing, Benton M., Farmingdale, N. Y., assignor to Ewing Self-Sharpening Razor Company, Pasadena, Calif. Self-sharpening safety razor. 2,602,220, July 8.

Ewing, Henry, Spondon, near Derby, England, assignor to Celanese Corporation of America. Device for perforating elastic sheet material. 2,612,950, Oct. 7.

Ewing, Henry, and A. Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Composite fabrics bonded together with polyvinyl chloride. 2,614,954, Oct. 21.

Ewing, Leila E.: *See*—
Blalock, Iva L., and Ewing.

Ewing Self-Sharpening Razor Company, assignee: *See*—
Ewing, Benton M.

Ewing Self Sharpening Razor Co., Inc., assignee: *See*—
Ewing, William R. and B. M.

Ewing, Walkley B., Cambridge, Mass., assignor by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tilt correcting director. 2,604,698, July 29.

Ewing, William M.: *See*—
Klebba, Arthur A., Vine, and Ewing.

Ewing, William M., Woods Hole, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Sound transmission. 2,587,301, Feb. 26.

Ewing, William R., South Pasadena, Calif., and B. M. Ewing, Farmingdale, N. Y., assignors to Ewing Self Sharpening Razor Co., Inc., Pasadena, Calif. Self-sharpening safety razor. 2,602,221, July 8.

Exact Weight Scale Company, The, assignee: *See*—
Schieser, Warren J., and Kelley.

Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S.

Excel Corporation, assignee: *See*—
Carbiener, Harvey D.

Excel Movie Products, Inc., assignee: *See*—
Karr, Philip L.

Ex-Cell-O Corporation, assignee: *See*—
Alden, Carroll R.
Andre, Eugene R.
Brinkmann, Guenther.
Casler, Roger H.
Eaton, Wilfred A.
Eaton, Wilfred A., and Sanford.
Karweit, John W.
Mathys, Max A.
Seyferth, Harold N.
Smith, Victor G.
Spurr, Robert.
Stewart, Gilbert.
Taylor, Milton C.

Exhibit Supply Co., The, assignee: *See*—
Roeser, John O.

Exline, Marcus P., and C. L. Ruhl, Dallas, Tex. Collapsible table. 2,591,797, Apr. 8.

Exline, Paul G., Tulsa, Okla., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Temperature-compensated viscous timing device. 2,604,163, July 22.

Exner, Hellmuth A. A., Florida, Argentina. Jet-reaction motor, including gas nozzle generating steam. 2,594,629, Apr. 29.

Exner, Lawrence J.: *See*—
Craig, W. E., and Exner.

Exportlists Forsaljnings AB, assignee: *See*—
Irving, Knut T.

Express Patent Company (Liverpool) Limited, assignee: *See*—
Bleber, Abraham.

Exton, William, Jr., New York, N. Y. Body supporting mechanism for occupants of high-speed conveyances. 2,611,562, Sept. 23.

Extraction, Inc., assignee: *See*—
Riggle, Hobert M., and Rose.

Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.

Ey, Victor, Woodside, N. Y. Valve for fluid pressure regulators. 2,582,974, Jan. 22.

Eyelet Specialty Company, The, assignee: *See*—
Book, Frederick R., Jr.

Eyerly, Lee U., Salem, Oreg. Safety device for amusement rides. 2,592,879, Apr. 15.

Eyler, Roy I.: *See*—
Hopkins, Cecil W., and Eyler.

Eyles, Thomas H., assignor to Foster Grant Co., Inc., Leominster, Mass. Ornamented ophthalmic frame. 2,609,278, Sept. 2.

Eyre, Reginald J., Toronto, Ontario, Canada. Film clip. 2,600,980, June 17.

Eyster, Eugene H.: *See*—
Kistiakowsky, George B., MacDougall, Eyster, and Weltman.

Eyt, Eugène, Pamiers, Ariege, and L. Reygagne, Decazeville, Aveyron, assignors to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Treatment process for hypereutectic cast irons. 2,586,315, Feb. 19.

Ezba, Peter, Austin, Tex., assignor of one-half to G. Miller, Washington, D. C. Ice tray cube lifter. 2,619,807, Dec. 2.

Ezzell, Forest H., Shamrock, Tex. Tractor-mounted row marker control means. 2,608,147, Aug. 26.

F. & B. Mfg. Co., assignee: *See*—
Filko, John.

F-D-S Manufacturing Company, Inc., assignee: *See*—
Stevenson, Samuel B.

FKG Fritz Kesselring Gerlitebau Aktiengesellschaft, assignee: *See*—
Kesselring, Fritz.
Kesselring, Fritz, and Degler.
Kesselring, Fritz, and Wettstein.
Spinnler, Wilhelm, and Bacher.
Wettstein, Erwin.

FKG Fritz Kesselring Geratebau Aktiengesellschaft Bachtobel-Weinfelden, assignee: *See*—
Dällenbach, Walter.
Kesselring, Fritz.

F & M Mfg. Co., Inc., assignee: *See*—
Fishburne, Edward W.

F. N. F. Limited, assignee: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.

F. N. F., Messrs., Limited, assignee: *See*—
Peel, Robert, Porter, and Morrison.

F-R Machine Works, assignee: *See*—
Hollstein, Oswald C.
Passannante, Charles A.

Faatz, Embry D.: *See*—
Brinson, Harry A., and Faatz.

Faber, Clarence M., assignor to Morse Chain Company, Ithaca, N. Y. Chain coupling. 2,589,355, Mar. 18.

Faber, Eberhard, Pencil Company, assignee: *See*—
Goerlitz, Henry.

Faber, Guy S., Chicago, Ill. Pressure cooker. 2,595,236, May 6.

Fabia, Manuel A. G., and H. E. G. J. Clausen, assignors to Tecnica Industrial y Commercial Sociedad Anonima Tecosa, Buenos Aires, Argentina. Cyclone furnace with separated combustion and heat exchange chambers. 2,584,686, Feb. 5.

Fabian, Robert W.: *See*—
Eaton, Samuel E., and Fabian.

Fabio, Benjamin, New York, N. Y. Stimulating massage device. 2,582,686, Jan. 15.

Fabric Fire Hose Company, assignee: *See*—
Cole, Charles S.

Fabrique d'Eabauches de Peseux S. A., assignee: *See*—
Colomb, Marc.

Facciuto, Antonio, Alhambra, Calif. Shoemaker's chisel for cutting V-shaped notches. 2,621,405, Dec. 16.

Facio, Robert H., Sr., assignor of one-third to J. Billings and one-third to H. Pomes, New Orleans, La. Article pickup device. 2,612,400, Sept. 30.

Factory Mutual Research Corporation, assignee: *See*—
Cotton, Paul E.

Fader, Arthur I., Yonkers, and I. Nevin, Bronx, N. Y. Controlled heat flow oven. 2,597,627, May 20.

Faeber, Harry W., Larchmont, N. Y., O. and L. V. Dutro, La Canada, Calif., assignors to Time, Inc., New York, N. Y. Water motion for offset presses. 2,580,667, Jan. 1.

Faeber, Harry W., Larchmont, N. Y., and O. V. and L. Dutro, La Canada, Calif., assignors to Time, Incorporated, New York, N. Y. Rotary ductor for printing presses. 2,583,639, Jan. 29.

Faeber, Harry W., Larchmont, assignor to Time, Incorporated, New York, N. Y. Sectional blade ink fountain for printing presses. 2,583,640, Jan. 29.

Faeber, Harry W., Larchmont, assignor to Time, Incorporated, New York, N. Y. Plate clamping mechanism for printing cylinders. 2,621,590, Dec. 16.

Faeber, Harry W., Larchmont, assignor to Time, Incorporated, New York, N. Y. Plate clamp for plate cylinder of printing presses. 2,621,592, Dec. 16.

Fafnir Bearing Company, The, assignee: *See*—
Beatty, Robert D., Jr.
Noe, Frank.
Potter, Howell L.
Reynolds, Harry R.
Reynolds, Harry R., and Bidwell.
Schenk, Charles G.
Van Dorn, Horace B.

Fagan, Monroe E., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Strand-retaining means for winding machines. 2,621,861, Dec. 16.

Fageol, R. D., Company, assignee: *See*—
Fageol, Robley D.

Fageol, Robley D., assignor to R. D. Fageol Company, Detroit, Mich. Pressure actuated transmission control unit. 2,584,995, Feb. 12.

Fageol, Robley D., assignor to R. D. Fageol Company, Detroit, Mich. Pressure actuated transmission control unit. 2,584,996, Feb. 12.

Fager, Edward W.: *See*—
Miller, William T., and Fager.

Fagg, Lee, Corsicana, Tex., assignor, by mesne assignments, to Bethlehem Supply Company. Rotary swivel. 2,610,827, Sept. 16.

Fahey, Edward W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Device for separating cartons of eggs. 2,601,922, July 1.

Fahey, Edward W., Chicago, Ill., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Conveyer apparatus for handling and packaging eggs. 2,608,284, Aug. 26.

Fahey, Edward W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg handling apparatus. 2,617,543, Nov. 11.

Fahey, Richard J., Evanston, and M. Burger, Morris, assignors to Shellmar Products Corporation, Chicago, Ill. Carton handling and loading apparatus. 2,601,750, July 1.

Fahey, Thomas H., Portland, Maine. Litter collector. 2,600,981, June 17.

Fahlström, Ottó I., Stockholm, Sweden. Thigh limb and producing same. 2,594,751, Apr. 29.

Fahlström, Otto I., Stockholm, Sweden. Joint construction for artificial limbs. 2,594,752, Apr. 29.

Fahnoe, Harold H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-voltage power fuse and the like. 2,593,426, Apr. 22.

Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuse. 2,605,371, July 29.

Fahrbach, William, Maplewood, N. J. Fuel screening discharge nozzle for oil burners. 2,602,006, July 1.

Fahrenbach, Marvin J., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Formylating tetrahydro pteroic acid and amino acid amides thereof. 2,594,271, Apr. 29.

Fahrenkrog, Albert W., Bunker Hill, Ill. Hay handling apparatus. 2,596,668, May 13.

Fahringer, Victor T., Clarksville, Va., assignor to Robbins Mills, Inc., New York, N. Y. Boil-off apparatus for textile fabrics. 2,612,770, Oct. 7.

Failing, George E., Supply Company, The, assignee: *See*—
Alexander, Emmett L.

Failmezger, Eugene A., assignor to U. S. Hoffman Machinery Corporation, Syracuse, N. Y. Filter. 2,592,528, Apr. 15.

Failor, Charles W., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway traffic controlling apparatus. 2,586,458, Feb. 19.

Failor, Charles W., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Coded signaling apparatus. 2,607,092, Aug. 12.

Failor, Franklin H., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Automatic approach clearing apparatus for centralized traffic control systems. 2,608,646, Aug. 26.

Fails, Wesley A.: *See*—
Schmitt, Otto H., Fromm, Fails, Barnes, and Avery.

Fair, Davis L., Louisville, Miss. Endmatcher, woodworking machine. 2,581,947, Jan. 8.

Fairbairn, Thomas E., Toledo, Ohio. Oscillator. 2,607,897, Aug. 19.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. View finder centering device for photographic apparatus. 2,590,164, Mar. 25.

Fairbank, Murry N., Belmont, and L. Rosenblum, assignors to Polaroid Corporation, Cambridge, Mass. Brightness meter. 2,590,165, Mar. 25.

Fairbanks, Avard F., Garvey, Calif., assignor to North American Aviation, Inc. Function printer. 2,592,018, Apr. 8.

Fairbanks, Lee, Jackson Heights, N. Y., and P. Rosenfeld, Newark, N. J. Detachable wire frame for brassières. 2,613,365, Oct. 14.

Fairbanks, Morse & Co., assignee: *See*—
Anderson, Gordon R., Jr.
Baker, Millard H.
Beadle, Robert H.
Holt, Gunnard T., and Stotz.
Justus, Edgar J.
Kutz, Arthur O.
Lindbeck, Howard R.
Owens, James W.
Schowalter, Clarence H.
Tinker, Walter H.
Vogel, Edward A.
Zabel, George W.

Fairchild Camera & Instrument Corporation, assignee: *See*—
Canziani, Victor J., Silverman, and Wiener.
Doyle, Irving W., and Johnson.
Hale, Henry E.
Menes, Herman C.
Moore, David W., Jr.
Roters, Herbert C.
Shannon, William W.
Smith, Hale G.

Fairchild, Cameron D., Houston, Tex., P. M. Gross, and M. E. Hobbs, Durham, N. C. Target aircraft hit indicating system. 2,587,715, Mar. 4.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Boutelle, Richard S.
De Pew, Chester C.
Wescott, John E.

Fairchild Recording Equipment Corporation, assignee: *See*—
Fling, Wentworth D.

Fairest, Derek H., assignor to Morgan Fairest Limited, Sheffield, England. Labeling machine. 2,589,787, Mar. 18.

Fairey Aviation Company Limited, The, assignee: *See*—
Evans, Arthur, and Edwards.
Forsyth, Archibald G.
Garrard, Ernest C., and Harrold.
Lisle, William G.

Fairfield Engineering Company, The, assignee: *See*—
Bennett, Robert N.

Fairfield Paper and Container Company, The, assignee: *See*—
Lehman, Carl S.
Morrison, Hugh S.
Wolfe, Raymond E.

Fairmont Canning Company, assignee: *See*—
Rogers, Grant H.

Fairmont Railway Motors, Inc., assignee: *See*—
Eustis, Irving N., and McDonald.

Fairstein, Edward: *See*—
Borkowski, Casimer J., and Fairstein.

Fairweather, David A. W.: *See*—
Coffey, Samuel, Fairweather, and Slinger.

Faith-Ell, Lars J., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Grater having rotatable feed means. 2,582,244, Jan. 15.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 3,3'-methylenebis (4-hydroxybenzenearsonic acid) and its production. 2,586,316, Feb. 19.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 2,2'-dihydroxy-3-hydroxymethyl-5,5'-dichlorodiphenylmethane. 2,590,816, Mar. 25.

Faith, Herman E., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Methylenebisphenols derived from 6-chlorothymol. 2,597,717, May 20.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 2,2'-methylenebis(4-chloro-6-aminophenol). 2,615,046, Oct. 21.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 2,2'-methylenebis(4-chloro-6-nitrophenol) and its production. 2,615,052, Oct. 21.

Faktor, Frank F., Hounslow, England. Spray gun. 2,602,004, July 1.

Fal, Barney J., Monessen, Pa. Match box with safety stop. 2,589,356, Mar. 18.

Falco, Elvira A.: *See*—
Hitchings, George H., Russell, and Falco.

Falcon Fasteners, Inc., assignee: *See*—
Newman, Leopold.

Falcon Products, Inc., assignee: *See*—
Wellington, Welton G.

Falcon, William V., Revere, Mass. Fuel pump and nozzle for internal-combustion engines. 2,585,100, Feb. 12.

Falcone, Anthony, Newark, N. J. Inhaler. 2,609,817, Sept. 9.

Fales, Emanuel F., Sr., and K. Holder, Portsmouth, Va. Combination oil collecting and dispensing device. 2,591,526, Apr. 1.

Fales, John D.: *See*—
Doughty, Edward W., Murray, and Fales.

Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Sealed beam lamp. 2,594,753, Apr. 29.

Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Rearview mirror assembly and mounting means. 2,613,575, Oct. 14.

Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Dirigibly mounted combination spotlamp and mirror. 2,623,986, Dec. 30.

Falge, Robert N., and G. W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Traffic signal viewer. 2,602,367, July 8.

Falk Corporation, The, assignee: *See*—
Bade, Alfred G.
Falk, Louis W.
Podjaski, Edward.
Schmitter, Carl H.
Schmitter, Walter P.
Wellauer, Edward J.
Wiken, Ralph.

Falk, Gerhard E. A., Hamburg, Germany. Map capable of being folded together and spread flat again. 2,615,732, Oct. 28.

Falk, Louis W., assignor to The Falk Corporation, Milwaukee, Wis. Rolling mill drive. 2,583,935, Jan. 29.

Falk, Louis W., assignor to The Falk Corporation, Milwaukee, Wis. Flexible coupling. 2,618,135, Nov. 18.

Falk, Olaf, Oslo, Norway, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland. Apparatus for velocity measurement of a moving fluid. 2,614,425, Oct. 21.

Falk, Sven G., Stockholm, Sweden, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Switching device for phonographs. 2,596,016, May 6.

Falk, Sven G., Stockholm, Sweden, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Switch. 2,616,995, Nov. 4.

Falk, Walter S., Kew Gardens, N. Y. Film vending machine. 2,581,581, Jan. 8.

Falkenberg, Douglass R., Lakewood, Ohio. Supporting and adjusting draperies. 2,598,522, May 27.

Falkenberg, Douglass R., Lakewood, Ohio. Drapery pleating. 2,609,873, Sept. 9.

Falkenstein, Louis F., Franklin Square, N. Y. Course or condition maintenance. 2,609,526, Sept. 2.

Falkner, Albert R., New Kensington, Pa. Moving means for cored building blocks. 2,617,548, Nov. 11.

Falkner, Carl G.: *See*—
Goodbar, Mayo A., Placke, and Falkner.

Falkner, Ford R., Monahans, Tex. Broom hanger. 2,616,143, Nov. 4.

Fallert, Clifford D., St. Louis, Mo., and G. E. Whalley, Detroit, Mich., assignors to Gaylord Container Corporation, St. Louis, Mo. Divisible carton. 2,614,745, Oct. 21.

Fallon, Carlos, assignee: *See*—
Fallon, Eduardo.

Fallon, David G., Jersey City, N. J., assignor to The Wilcolator Company. Control system for electric appliances. 2,614,199, Oct. 14.

Fallon, Eduardo, Cartagena, Colombia, assignor of one-half to M. Mitchell, New York, N. Y., and one-half to C. Fallon, Washington, D. C. Turbine-compressor unit. 2,589,239, Mar. 18.

Fallon, John, Smethwick, England. Conveyer mechanism. 2,620,918, Dec. 9.

Falls, John J., assignor to The Standard Electrical Tool Company, Cincinnati, Ohio. Universally adjustable protractor tool guide. 2,623,337, Dec. 30.

Falls, Joseph W.: *See*—
Gilstrap, Vernon M., and Falls.

Falls Stamping and Welding Company, The, assignee: *See*—
Thompson, Frank R., and Bell.

Faltin, William G., York, Pa. Fountain pen of the ball point type. 2,592,406, Apr. 8.

Faltz, Daniel J., Irwin, Pa. Electric power failure alarm device. 2,609,431, Sept. 2.

Famely, Max, Linden, N. J. Surface mounted closure remover with cover. 2,591,527, Apr. 1.

Famous Bathrobe Co., Inc., assignee: *See*—
Strauss, Kate R.

Famous Foods, Inc., assignee: *See*—
Farmer, Horace E.

Famulener, Keith, Owego, and H. Hoerlin, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Antistatic treating composition for photographic film supports. 2,584,337, Feb. 5.

Fandex, Inc., assignee: *See*—
Stark, Nathan I.

Fanelli, Joseph A., Des Moines, Iowa. Tool for severing metal bands on crates and the like. 2,593,663, Apr. 22.

Fanger, Herman J.: *See*—
Oltz, Howard R., and Fanger.

Fanner Manufacturing Company, assignee: *See*—
Schane, Edward W.

Fanning, Jack, Atlanta, Ga. Duplex steam condenser. 2,586,016, Feb. 19.

Fanning, Ralph R., Celina, Ohio, assignor to Winner, Inc., Berne, Ind. Automatic adjustable waistband. 2,599,983, June 10.

Fano, Roberto M., Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Modulator. 2,599,905, June 10.

Fano, Roberto M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Mode changer. 2,619,539, Nov. 25.

Fansteel Metallurgical Corporation, assignee: *See*—
Gonser, Bruce W., and Slowter.
Hall, James H.
Kleis, John D.
Lenz, William H.
Otto, George.

Fantell, Michael, West Orange, N. J. Curling. 2,613,697, Oct. 14.

Fanti, Joel, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Insoluble polystyrene derivative from an ammonium salt of sulfonated polystyrene and formaldehyde. 2,620,326, Dec. 2.

Fantozzi, Vincent J., and L. H. Metzger, assignors to Super-Cut, Inc., Chicago, Ill. Diamond type tooth for rotary stone cutting saws. 2,589,357, Mar. 18.

Fantz, Fred C., Logan Township, Auglaize County, Ohio, assignor to Henry Pratt Company. Butterfly valve. 2,586,927, Feb. 26.

Faranda, Salvatore S.: *See*—
McCormack, Charles M., and Faranda.

Farandatos, Denis, New York, N. Y. Magnetic can opener. 2,617,184, Nov. 11.

Farbenfabriken Bayer, assignee: *See*—
Ariedter, Hanns, and Engelhardt.
Baumann, Fritz and Bienert.
Bollmann, Martin, and Kroning.
Engelhardt, Rudolf, and Ariedter.
Müller, Karl E.
Rickert, Hans F., Stein, and Bayer.
Schmidt, Friedrich W., and Müller.
Schrader, Gerhard.
Schrader, Gerhard, and Kükenthal.
Schwechten, Heinz W., and Singer.

Farber, Irving, Brooklyn, N. Y. Multiple needle embroidering machine. 2,604,860, July 29.

Farber, Jacob, New York, N. Y. Toy register bank. 2,601,951, July 1.

Farber, Jacob, New York, N. Y. Three coin toy register bank. 2,601,952, July 1.

Farber, Jacob, New York, N. Y. Toy register bank. 2,622,803, Dec. 23.

Farber, L., Welting Company, assignee: *See*—
Gemme, Leon H.

Farbwerke Hoechst vormals Meister Lucium & Bruning, assignee: *See*—
Beniers, Emil.
Bestian, Herbert.
Dietz, Karl.
Middendorf, Leonhard.
Ruschig, Heinrich.
Thomsen, Christoph N. J.

Fargo Mfg. Company, Inc., assignee: *See*—
Schoonmaker, Raymond B., Becker, and Wengen.

Faries Manufacturing Company, assignee: *See*—
Laystrom, Carl A., and Sigler.

Farina, Giovanni, Turin, Italy. Master cylinder assembly for fluid pressure systems. 2,602,297, July 8.

Farinelli, Aldo, Turin, Italy. Auxiliary motor for bicycles. 2,596,391 May 13.

Faris, Harold P., Perkasie, Pa., assignor, by mesne assignments, to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rotary spool upon which yarn is adapted to be wound. 2,622,825, Dec. 23.

Faris, Harold P., Perkasie, Pa., and A. J. Ammerall, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Yarn winder. 2,622,818, Dec. 23.

Farish, Robert E., Jr., Columbus, Ga. Shielded electrical connector. 2,594,004, Apr. 22.

Farison, Sumner, near Napoleon, Ohio. Elastic cord exerciser. 2,590,951, Apr. 1.

Farkas, Eugene J., Detroit, and J. F. Swift, Royal Oak, assignors to Ford Motor Company, Dearborn, Mich. Automatic transmission. 2,603,109, July 15.

Farkas, Martin D.: *See*—
Weaver, Joe C., Jr., and Farkas.

Farkas, Thomas P., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse counting relay and system therefor. 2,610,242, Sept. 9.

Farkas, Walter G.: *See*—
Flexser, Leo A., and Farkas.

Farley, Edward L., Lakeland, Fla. Fish bait. 2,589,932, Mar. 18.

Farley & Loetscher Manufacturing Company, assignee: *See*—
Triller, Benjamin J.

Farling, Harold L., Garfield Heights, and E. C. Norris, assignors to Republic Steel Corporation, Cleveland, Ohio. Making sheet steel. 2,606,848, Aug. 12.

Farm Tools, Inc., assignee: *See*—
Pelouch, James J.
Warne, Frederick C.

Farmer, Gerald E., Thorn Hill, Tenn. Resilient fishing leader. 2,606,390, Aug. 12.

Farmer, Horace E., Grosse Pointe, assignor to Famous Foods, Inc., Detroit, Mich. Slicing machine. 2,611,408, Sept. 23.

Farmer, Josselyn L.: *See*—
Shelton, Robert S., Farmer, and Tilford.

Farmer, Paul M., West Orange, N. J. Article dispensing and distributing system. 2,599,906, June 10.

Farmer, Paul M., West Orange, N. J. Article dispensing and conveying system. 2,599,907, June 10.

Farmer, Walter E., Corsicana, Tex. Lighter than air aircraft with heating means for the gas bags thereof. 2,599,241, June 3.

Farmetl Equipment Company, assignee: *See*—
Carlson, Carl V.

Farmingdale Corporation, The, assignee: *See*—
Ericson, Albert A.

Farmland Irrigation Company, Inc., assignee: *See*—
Stout, William H. and W. W.

Farnell, George, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Resonant explosion power unit with dilution air. 2,602,291, July 8.

Farnett, Horace E., Crescent Park, N. J., assignor to Radio Corporation of America. Wire-cutting machine. 2,592,019, Apr. 8.

Farnham, George V.: *See*—
Young, Henry E., and Farnham.

Farnham, Paul O., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. Electrical measuring system. 2,615,065, Oct. 21.

Farnsworth, Hugh D., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Coincidence amplifier. 2,591,247, Apr. 1.

Farnworth, Ivan A., Orem, Utah. Automatic travel adjuster for air brake pistons. 2,599,377, June 3.

Farnsworth, Lawrence, Racine, Wis. Electric fan oscillating device. 2,618,434, Nov. 18.

Farnsworth Research Corporation, assignee: *See*—
Barry, Gerald J.
Beach, Harold W.
Ferguson, Joseph C.
Fromm, Kenneth N.
Hallmark, Clyde E.
Henroteau, François C. P.
Mayle, Louis F.
Myers, William H.
Sanders, Robert W.

Farnsworth, William H., Manistee, Mich., assignor to Morton Salt Company, Chicago, Ill. Brine evaporation system. 2,588,099, Mar. 4.

Farone, Roland J., assignor of one-half to L. G. Ronson, Watertown, N. Y. Sanitary neck duster. 2,592,020, Apr. 8.

Farquhar, A. B., Company, assignee: *See*—
Tranter, Watson W., and Hollinger.

Farquharson, Glen D., Guthrie, Okla. Garbage can support. 2,596,541, May 13.

Farr, C. K., assignee: *See*—
McFarland, Howard L.

Farr, Clifford G.: *See*—
Cleary, Leo P., and Farr.

Farr, Edward A., Columbus, Ind., assignor to Arvin Industries, Inc. Cooking appliance. 2,610,572, Sept. 16.

Farr, Edward A., and J. P. Theisen, assignors to Arvin Industries, Inc., Columbus, Ind. Electric room heater. 2,590,600, Mar. 25.

Farr, Henry V., Ferguson, Mo., and J. R. Ruhoff, Oak Ridge, Tenn., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium thiosulfate. 2,586,459, Feb. 19.

Farr, James A., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ammonium nitrate explosive. 2,602,026, July 1.

Farr, James A., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ammonium nitrate explosive. 2,602,732, July 8.

Farrand, Clair L., Bronxville, assignor to Farrand Optical Co., Inc., New York, N. Y. Slit control for spectroscopic apparatus. 2,587,451, Feb. 26.

Farrand Optical Co., Inc., assignee: *See*—
Barcus, Leonard F.
Farrand, Clair L.
Fleming, Gertrude M.
Rosin, Seymour.
Tripp, Kenneth F.

Farrar, Roland O., West Acton, Mass. Toothbrush sterilizer. 2,592,131, Apr. 8.

Farrel-Birmingham Company, Incorporated, assignee: *See*—
Chase, Donald C., and Joyner.
Schnuck, Carl F., and Hooker.
Tippet, Philip V.

Farrel-Birmingham Company, Inc., assignee: *See*—
Gasser, Emil R., and Hedman.

Farrell, Aloysius L., Bloomfield, Conn. Hunter's glove or mitten. 2,609,543, Sept. 9.

Farrell, Anna E., Seattle, Wash. Device for making flat curls. 2,590,166, Mar. 25.

Farrell, Edward A., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus folr making flexible tubular coverings. 2,609,312, Sept. 2.

Farrell, Edward W., U. S. Marine Corps. Ammunition conveyer for guns. 2,587,607, Mar. 4.

Farrell, George: *See*—
Chisholm, Harry L., Jr., Farrell, and O'Connor.

Farrell, James K., Syracuse, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Chemical feeder and feeding. 2,614,574, Oct. 21.

Farrell, Lawrence S., Long Beach, Calif., assignor to Bowser, Inc., Fort Wayne, Ind. Feeding filter aid. 2,621,156, Dec. 9.

Farrell, Lura B., Coshocton, Ohio. Backrest for toilet seats. 2,582,321, Jan. 15.

Farrell, Robert A., Menasha, and W. G. Mueller, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Apparatus for sealing containers. 2,609,735, Sept. 9.

Farrell, Robert A., Menasha, W. G. Mueller, and A. Bartes, Jr., Neenah, assignors to Marathon Corporation, Rothschild, Wis. Apparatus for making sealed packages. 2,615,377, Oct. 28.

Farrell, William J.: *See*—
Wagner, Cecelia F., and Farrell.

Farrington Manufacturing Company, assignee: *See*—
Gilbert, Charles H.
Vogt, Lucien E.

Farrington, Thayer B., Cleveland Heights, assignor to The Thompson Electric Company, Cleveland, Ohio. Lamp guiding and mounting means. 2,618,454, Nov. 18.

Farrington, Thayer B., Cleveland Heights, and H. L. Dalzell, assignors to The Thompson Electric Company, Cleveland, Ohio. Motor-driven lamp hanger. 2,609,170, Sept. 2.

Farris, Clarence E., Fort Meade, Md. Watch timing device. 2,587,452, Feb. 26.

Farris, Riley F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Cementing of wells. 2,585,378, Feb. 12.

Farris, Riley F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Fracturing formations in wells. 2,596,843, May 13.

Farris, Victor W., Tenafly, N. J. Pinch valve. 2,600,493, June 17.

Farval Corporation, The, assignee: *See*—
Acker, George H.

Fasano, Ernest F.: *See*—
Fasano, Michael J. and E. F.

Fasano, Michael J. and E. F., Rochester, N. Y. Fishing lure. 2,590,167, Mar. 25.

Fasano, Michael J. and E. F., Rochester, N. Y. Fishing appliance. 2,605,571, Aug. 5.

Fasano, Michael J. and E. F., Rochester, N. Y. Fishing apparatus. 2,617,228, Nov. 11.

Fasce, Egi V.: *See*—
Owen, John J., and Fasce.

Fasce, Egi V., Baton Rouge, La., assignor to Standard Oil Development Company. Making resins from olefin polymers and organic acid anhydride. 2,589,069, Mar. 11.

Fasching, Leander F., Winsted, Minn. Milking machine hanger. 2,602,621, July 8.

Fasciati, Alfred: *See*—
Widmer, Willy, and Fasciati.
Widmer, Willy, Fasciati, and Reich.

Fashay, Alexander, Long Island City, assignor of seven and one-half per cent to L. C. Krazinski, New York, N. Y. Explosion-proof gasoline tank. 2,611,512, Sept. 23.

Fashion Curtain Company, The, assignee: *See*—
Van Cleeff, Robert S.

Faso, William J., Bayside, N. Y., assignor of one-half to S. J. Goldstein, Beaver Falls, Pa. Finger-supported tool for locating and turning small nuts, boltheads, etc. 2,585,641, Feb. 12.

Fasold, George A.: *See*—
Greider, Harold W., and Fasold.

Fasold, George A., Mount Healthy, and H. W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Bituminous composition. 2,581,640, Jan. 8.

Fasolino, Peter A., Buffalo, N. Y. Motor vehicle safeguard. 2,588,815, Mar. 11.

Fassberg, Morton, New York, N. Y. Method and apparatus for measuring the time rise and decay time of pulses. 2,623,106, Dec. 23.

Fässer, Rolf, assignor to Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland. Surtax registering and totalizing counter for telephony systems. 2,598,244, May 27.

Fast, Clarence R., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Removing deposits from wells. 2,596,137, May 13.

Fast, John E., & Co., assignee: *See*—
Dahl, Harry, and Moreland.
Melsheimer, Charles A.

Fastener Corporation, assignee: *See*—
Imelmann, Henry L.

Fastie, William G., Willow Grove, Pa. Compensated thermopile. 2,601,508, June 24.

Fasulo, Louis, Brooklyn, N. Y. Emergency differential device for motor vehicles. 2,620,055, Dec. 2.

Fate, Jessee E., Jr.: *See*—
McKissick, William H., and Fate.

Fatland, Conrad, Chicago, Ill. Mop handle connection. 2,588,971, Mar. 11.

Fattor, Louis L., St. Louis, Mo. Worktime calculator and stand. 2,585,642, Feb. 12.

Faucheux, Eugène, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Faucet. 2,610,063, Sept. 9.

Faudell, Charles L., near Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Scanning coils for cathode-ray tubes. 2,585,235, Feb. 12.

Faudell, Charles L., near Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Circuits for producing saw tooth currents. 2,621,309, Dec. 9.

Faulhaber Company, The, assignee: *See*—
Faulhaber, Roland W.

Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Cycle saddle support. 2,600,101, June 10.

Faulkner, Arnold T., Buchanan, Mich. Vehicle wheel. 2,607,634, Aug. 19.

Faulkner, Donald: *See*—
Brighton, Cyril A., and Faulkner.
Cleverdon, Desmond, Staudinger, Faulkner, and Milne.

Faulkner, Donald, Epsom, and J. N. Milne, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of organic tin compounds. 2,583,419, Jan. 22.

Faulkner, Donald, Cambridge, and J. J. P. Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Plasticized polyvinylidene chloride compositions. 2,590,834, Apr. 1.

Faulkner, Edward, assignor, by mesne assignments, to Roller Riddle Corp., Port Huron, Mich. Sand riddling device. 2,591,688, Apr. 8.

Faulkner, Harry R., J. N. Pettus, and J. R. Bradshaw, Stanford, Ky. Book support attachment. 2,612,427, Sept. 30.

Faulkner, James, Nutley, assignor to Pyrene Manufacturing Company, Newark, N. J. Automatic foam compound proportioning means for fire extinguishers. 2,611,439, Sept. 23.

Faulkner, James, Nutley, and A. Toth, Clark, assignors to Pyrene Manufacturing Company, Newark, N. J. Controlled discharge foam nozzle. 2,609,240, Sept. 2.

Faulkner, Richard D.: *See*—
Kissinger, Robert W., and Faulkner.

Faulkner, Richard D., and W. A. Bentley, Lancaster, Pa., assignors to Radio Corporation of America. Temperature-compensated target assembly for color-kinescopes, etc. 2,611,100, Sept. 16.

Faulkner, Seymour, Summit, N. J., assignor to Catalytic Chemicals Division of E. F. Drew & Co., Inc., New York, N. Y. Preparation of a nickel catalyst dispersed in fat. 2,609,346, Sept. 2.

Faulkner, Trevor, and R. D. Whitmore, New York, N. Y. Reel for motion-picture films. 2,605,057, July 29.

Faulkner, William S., Jr., Charlotte, N. C. Portable stadium cushion and/or sports cushion. 2,580,904, Jan. 1.

Faull, John T.: *See*—
Bailey, Roy W., and Faull.

Faultless Caster Corporation, assignee: *See*—
Noelting, William H., and Skupas.

Faure-Herman, Jean, Boulogne-sur-Seine, France. Electric tachometer. 2,591,798, Apr. 8.

Faure, Marthe E. C., assignor to Faureed Company, Tulsa, Okla. Sanitary protector for bedridden patients. 2,583,553, Jan. 29.

Faure, Simon, Firminy, France. Hauling and hoisting gear. 2,585,101, Feb. 12.

Faureed Company, assignee: *See*—
Faure, Marthe E. C.

Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Magnetic recording medium. 2,594,893, Apr. 29.

Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Thermoelectric device. 2,602,095, July 1.

Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Liquid magnetic damper. 2,622,707, Dec. 23.

Fauser, Richard F., Kenmore, N. Y. Joint for electrical fittings. 2,623,763, Dec. 30.

Fauske, Sig C.: *See*—
Mahan, John E., and Fauske.

Fausset, Ernest R., Ingalls, and M. E. Todd, Windfall, Ind., assignors to General Motors Corporation, Detroit, Mich. Cam grinding machine. 2,608,802, Sept. 2.

Faussner, Matthew G., Marshfield, Wis., assignor to Roddis Plywood Corporation. Machine for forming cores for veneered doors. 2,617,321, Nov. 11.

Faussner, Matthew G., Marshfield, Wis., assignor to Roddis Plywood Corporation. Making honeycomb core doors. 2,622,999, Dec. 23.

Faust, Charles L.: *See*—
McGraw, Leslie D., Faust, and Mueller.

Faust, Morris C., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Gravity conveyer for cartons with bottom adhesive appliers. 2,600,747, June 17.

Faust, Stewart W., assignor to The Maytag Company, Newton, Iowa. Valve sealing assembly. 2,593,740, Apr. 22.

Favre, George C.: *See*—
Gunning, William A., and Favre.

Favre, John A., Drexel, Pa., assignor to General Electric Company. Heavy-duty air circuit breaker. 2,581,181, Jan. 1.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Rotary circuit interrupter. 2,599,242, June 3.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Zigzag magnetic labyrinth arc muffler. 2,615,109, Oct. 21.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Cyclic fluid pressure overlapped multicontact switching mechanism for rectifiers. 2,616,997, Nov. 4.

Favret, Maxime, assignor to Elgin National Watch Company, Elgin, Ill. Regulator construction. 2,604,754, July 29.

Fawaz, George, Beirut, Lebanon, assignor to Research Corporation, New York, N. Y. 3-substituted 1,4-naphthoquinones. 2,589,686, Mar. 18.

Fawcett, Allard S., Detroit, Mich. Portable armrest. 2,587,302, Feb. 26.

Fawcett, Eric W. M., and J. N. Haresnape, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Preparation of a stabilized dehydrated montmorillonite catalyst. 2,582,976, Jan. 22.

Fawick Airflex Company, Inc., The, assignee: *See*—
Fawick, Thomas L.

Fawick Flexi-Grip Company, assignee: *See*—
Karns, James A.

Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc. Rotatable slide valve assembly. 2,600,102, June 10.

Fawkes, E. W., assignee: *See*—
Weaver, Paul.

Fawthrop, George: *See*—
Adams, Dennis A. W., and Fawthrop.

Faxen, Per Torsten: *See*—
Wilkenson, Erik A., and Faxen.

Faximile, Inc., assignee: *See*—
Deuth, Albert F.
Hester, Frank A.
Hester, Frank A., and Smith.
Hogan, John V. L.
Rohrberg, Paul W.

Fay, Charles H., Houston, Tex., and M. Stephenson, Maracaibo, Venezuela, assignors to Shell Development Company, San Francisco, Calif. Oil well flowmeter. 2,593,285, Apr. 15.

Fay, Charles H., and T. J. Tvedt, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Seismograph amplifier control. 2,600,051, June 10.

Fay, Charles H., and R. R. Goodell, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Automatic temperature control. 2,616,020, Oct. 28.

Fay, Clifford E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,617,959, Nov. 11.

Fay, Joseph W., Villa Park, assignor of one-half to I. J. Mendels, Evanston, Ill. Screw operated jar cap wrench. 2,586,214, Feb. 19.

Fay, Lew: *See*—
Newell, Strohm, and Fay.

Fay, Walter M., Ludlow, Mass. Unitary device for selectively actuating multiple triggers. 2,586,317, Feb. 19.

Fazenbaker, Norris E., West New York, N. J. Dry rendering of sewer grease. 2,584,795, Feb. 5.

Fazenbaker, Norris E., West New York, N. J. Clothesline and clothespin combination. 2,602,550, July 8.

Feagin, Roy C., Flushing, and D. Bandel, Brooklyn, N. Y., assignors to Mathieson Chemical Corporation. Copolymers of dichlorostyrene and certain esters of olefin polycarboxylic acids. 2,603,625, July 15.

Fearfield, George F., Eltham, London, and S. Parsons, Horley, assignors to Furness Withy & Company Limited, London, England. Apparatus for lifting and transporting wheeled vehicles. 2,593,664, Apr. 22.

Fearnside, Kenneth, and E. N. Shaw, assignors to Isotope Developments Limited, London, England. Apparatus for gauging sheet material. 2,618,751, Nov. 18.

Fearon, Robert E.: *See*—
Thayer, Jean M., Swift, and Fearon.

Feasley, Charles F., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Higher molecular weight fluorine-containing compounds. 2,612,529, Sept. 30.

Feasley, Charles F., and W. A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reaction of olefins with $CF_2ClCFCl_2$. 2,603,663, July 15.

Featherlite Corporation, The, assignee: *See*—
Lipscomb, Patrick C.

Febrey, Harold H., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Armored rail bond. 2,609,147, Sept. 2.

Febvre, Edmond: *See*—
Ghertman, Ioino, and Febvre.

Fechheimer, Carl J., Milwaukee, Wis. Liquid cooled electrical machine. 2,618,756, Nov. 18.

Fechheimer, Paul K., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Control and cutoff mechanism for filling machines. 2,600,982, June 17.

Fechter, Harry B., Minneapolis, Minn. Hollow device cleaning apparatus employing air impulse-generated surges of flowing liquids. 2,604,895, July 29.

Fechter, Harry B., Minneapolis, Minn. Material straightening tool. 2,618,185, Nov. 18.

Fechter, Harry B., Minneapolis, Minn. Tool for perforating radiator hangers. 2,620,879, Dec. 9.

Feck, John F., Norwood, Ohio. Fowl drinking fountain. 2,584,383, Feb. 5.

Feck, John F., Norwood, Ohio. Absorbing ice pressure. 2,600,103, June 10.

Fedders-Quigan Corporation, assignee: *See*—
Przyborowski, Stanislaus.
Sahs, Leonard J.

Federal Carton Corporation, assignee: *See*—
McCormick, Frank.
Pellkan, Alexander.

Federal Cartridge Corporation, assignee: *See*—
Hoffman, Harry W., and Helmer.
King, William N., Romanchuk, and Lynn.
Russell, Harold C., and King.

Federal Electric Products Company, assignee: *See*—
Cole, Herbert M.
Cole, Thomas M.
Ballou, Richard P.
Christensen, Paul M.

Federal Manufacturing Co., assignee: *See*—
Bodendoerfer, Ray E., Fee, and Frentzel.

Federal Mogul Corporation, assignee: *See*—
Gorton, Paul T.

Federal Motor Truck, assignee: *See*—
Lippard, Thomas R., and Bendure.

Federal Products Corporation, assignee: *See*—
Kirkpatrick, Donald N.
Worthen, John H.

Federal Security Agency, United States of America as represented by the Administrator of the, assignee: *See*—
Elderfield, Robert C., and Werble.
Levintow, Leon, and Greenstein.
Pecora, Louis J.
Shinn, Charles C.

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Bisignies, Henri G., and Adams.
Lesti, Arnold.
Parker, Louis W.

Federal Telephone and Radio Corporation, assignee: *See*—
Adams, Paul R.
Asten, William P.
Babcock, William S., Jr.
Brandt, Walter.
Busignies, Henri G.
Busignies, Henri G., and Smith.
Charchian, Benjamin M.
Clark, Gilbert R.
Clark, Trevor H.
Deloraine, Edmond M.
Deloraine, Edmond M., and Adams.
Deloraine, Edmond M., and Labin.
Duhamel, Howard G., Campbell, and Reed.
Frum, Alexander.
Goldan, Theodore J.
Hatton, William.
Horwitz, Henry L.
Hyde, George G.
Juvrud, Merlin O.
Kreitchman, Morton A., and Tanner.
Levine, Arnold M.
Lewis, Elmer F.
Ostlund, Evert M.
Richardson, Avery G., and Chesus.
Steinhauser, Hayes G.

Federal Tool Corporation, assignee: *See*—
Emmert, George W., and Olson.

Federico, Dominic J., Easton, Pa. Automatic electric toaster. 2,588,100, Mar. 4.

Federico Goos, Carlos E., assignor to Birome Sociedad Anonima, Commercial E Industrial, Buenos Aires, Argentina. Writing instrument of the retractable tip type. 2,603,187, July 15.

Federico, Joseph B., New Baltimore, Mich., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie holder. 2,586,215, Feb. 19.

Federspiel, Hermann, Terlano, Italy. Welding process for joining a metal body and a semi-conducting body composed of metallic and ceramic material. 2,599,751, June 10.

Federuk, George, Edmonton, Alberta, Canada. Burglar alarm for motor vehicles. 2,607,837, Aug. 19.

Federwitz, Theodore A., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa. Stacking device for cards or the like. 2,595,346, May 6.

Federwitz, Theodore A., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa. Data writing machine. 2,598,523, May 27.

Fedorchak, William J., Granite City, Ill., assignor to Owens-Illinois Glass Company. Electronic inspection of glass containers. 2,593,127, Apr. 15.

Fee, David C.: *See*—
Bodendoerfer, Ray E., Fee, and Frentzel.

Feeney, Thomas A.: *See*—
Northrop, John K., and Feeney.

Feeney, Thomas A., Los Angeles, C. E. Oates, Gardena, and A. R. Vogel, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Throttle system for jet engines. 2,608,104, Aug. 26.

Feeney, Thomas A., and W. L. Parker, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Full power hydraulic safety system. 2,619,304, Nov. 25.

Fegley, Charles R., Laureldale, assignor to Textile Machine Works, Wyomissing, Pa. Friction box structure for straight knitting machines. 2,598,986, June 3.

Feher, Cecil W., Shelton, Conn., assignor to General Electric Company. Emergency declutching mechanism for clothes wringers. 2,599,243, June 3.

Fehlberg, Harold F.: *See*—
Watt, Naomi L., and Fehlberg.

Fehler, Henry P., Wolseley, Saskatchewan, Canada. Frame building dismantling tool. 2,581,090, Jan. 1.

Fehling, Hans R., London, and G. Friedlander, Hyde, England. Internal-combustion engine and the operation thereof. 2,622,571, Dec. 23.

Fehr, Edith B., and W. T. Posey, Schenectady, N. Y., assignors to General Electric Company. Cathode for ionization detection devices. 2,612,615, Sept. 30.

Fehr, Paul, assignor to Landis & Gyr, A. G., Zug, Switzerland. Adjustable cam for time clocks. 2,597,928, May 27.

Fehr, Paul E., assignor to Landis & Gyr, A. G., Zug, Switzerland. Maximum demand meter for pulsating loads. 2,598,899, June 3.

Fehrenbach, Ludwig K., Hartford, assignor to Plax Corporation, West Hartford, Conn. Apparatus for pelletizing. 2,594,894, Apr. 29.

Fehrman, Frederick C., Washington, D. C. Animal mouth opener. 2,587,129, Feb. 26.

Feibel, Adolph H.: *See*—
Greenberg, Elbert E., Feibel, and Todd.

Feibelman, Hans J., Providence, R. I. Connector for bracelets and the like. 2,623,256, Dec. 30.

Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Spark plug construction. 2,603,200, July 15.

Feid, Charles, South Attleboro, assignor to Bugbee and Niles Company, North Attleboro, Mass. Bracelet. 2,600,232, June 10.

Feidert, Joseph, Luxemburg, Luxemburg. Compression loading means for refuse vehicles. 2,622,748, Dec. 23.

Feierabend, Erich H., North Royalton, Ohio. Garbage can cover holder or handle. 2,610,015, Sept. 9.

Feierabend, Louis B., assignor to Super Z Manufacturing Co., Pearl River, N. Y. Fishing rod joint. 2,600,629, June 17.

Feiertag, Arthur W., assignor to The McBee Company, Athens, Ohio. Ledger tray cabinet. 2,589,358, Mar. 18.

Feiertag, Karl M., Fort Wayne, Ind., assignor to General Electric Company. Clutch-brake mechanism. 2,612,248, Sept. 30.

Feiertag, Karl M., Fort Wayne, Ind., assignor to General Electric Company. Magnetic fluid mixture brake. 2,617,507, Nov. 11.

Feiertag, Karl M., and J. T. Donahoo, Fort Wayne, Ind., assignors to General Electric Company. Dynamoelectric machine. 2,589,999, Mar. 18.

Feifel, Eugen, and R. Kemmetmüller, assignors to Waagner-Biro Aktiengesellschaft, Vienna, Austria. Multiple centrifugal separators connected in parallel. 2,616,620, Nov. 4.

Feig, Milton H., assignee: *See*—
Dewan, Leon.

Feigal, Richard S.: *See*—
Wilson, John M., and Feigal.

Feigal, Richard S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical timing apparatus. 2,611,011, Sept. 16.

Feige, Harry, assignor to Baker Perkins, Inc., Saginaw, Mich. Article transfer for proofer unloaders. 2,622,718, Dec. 23.

Feigelson, Julius Z., Beaumont, Tex. Portable crane. 2,596,846, May 13.

Feighner, Shirley D., Wayne County, Mich. Locking gas valve. 2,594,141, Apr. 22.

Feigl, Charles, and B. Halpert, New York, N. Y. Combined handbag and umbrella holder. 2,616,471, Nov. 4.

Feigley, David A., Jr., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Preparation of sheet materials containing fibers, cork particles, and a rubberlike binder. 2,613,190, Oct. 7.

Feiker, George E., Jr., Albany, N. Y., assignor to General Electric Company. High-frequency short-circuiting arrangement. 2,594,895, Apr. 29.

Feiker, Gerald W.: *See*—
Irwin, Milton, and Feiker.

Feild, Eugene P., Colorado Springs, Colo., assignor to General Cement Mfg. Co., Rockford, Ill. Chassis supporting device. 2,619,311, Nov. 25.

Feilden, Geoffrey B. R.: *See*—
McLeod, Roderick C., Feilden, and Hodge.

Feilden, Geoffrey B. R., Canwick, Lincoln, assignor to Power Jets (Research and Development) Limited, London, England. Supporting structure for gas turbine power plants. 2,614,385, Oct. 21.

Feilden, Geoffrey B. R., assignor to Ruston & Hornsby Limited, Lincoln, England. Flexible joint for pipes carrying internal fluid pressure. 2,590,392, Mar. 25.

Feilden, Geoffrey B. R., Lutterworth, assignor to Power Jets (Research and Development) Limited, London, England. Gas turbine plant having a plurality of flame tubes and axially slidable means to expose same. 2,614,384, Oct. 21.

Feilden, Geoffrey B. R., Lutterworth, assignor to Power Jets (Research & Development) Limited, London, England. Mounting of blades in compressors, turbines, and the like. 2,623,728, Dec. 30.

Feilden, Geoffrey B. R., Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Fuel system for compressor gas turbine plants. 2,619,162, Nov. 25.

Feliden, Geoffrey B. R., Lutterworth, near Rugby, A. Simons, and R. Holl, Leicester, assignors to Power Jets (Research & Development) Limited, London, England. Liquid fuel supply and control system for atomizing nozzles. 2,592,132, Apr. 8.

Feiler, Morton E., assignee: *See*—
Cameron, John S.

Fein, Louis, Arlington, assignor, by mesne assignments, to E. G. Martin, Cambridge, Mass. Electrical apparatus for measuring angles. 2,614,171, Oct. 14.

Fein, Martin L.: *See*—
Filachione, Edward M., Fein, and Fisher.
Fisher, Charles H., and Fein.
Fisher, Charles H., Filachione, and Fein.

Fein, Martin L., Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of acylated lactic acid. 2,590,852, Apr. 1.

Feinberg, Archie S., Dallas, Tex. Zoned evaporator mat for air coolers. 2,587,130, Feb. 26.

Feinberg, Emanuel, Detroit, Mich. Air-conditioning apparatus. 2,580,535, Jan. 1.

Feinbloom, William F.: *See*—
Friedland, Samuel N., and Feinbloom.

Feine, Erich, Ravensburg, Germany. Artificial leg. 2,614,262, Oct. 21.

Feineman, Henry, New York, N. Y. Tubular necktie knitting apparatus. 2,618,944, Nov. 25.

Feiner, Nathaniel, and S. H. Gershater, assignors to Functional Music, Inc., Chicago, Ill. Amplifier with muting means. 2,596,138, May 13.

Feinson, Mac. B., assignee: *See*—
Dobkin, William J.

Feinstone, Wolffe H., assignor to The Central Pharmacal Company, Seymour, Ind. Amino acid salts of mersalyl and preparing the same. 2,581,397, Jan. 8.

Feis, Michael J.: *See*—
Neilsen, Hildaur L., and Feis.

Feist, Samuel R., assignor of two-sixths to T. Harley, Jr., Wichita, Kans. Invalid handling apparatus. 2,595,651, May 6.

Feitel, William J., and E. J. O'Brien, Chicago, Ill. Carbon paper holding means for manifolding typewriters. 2,601,913, July 1.

Felburg, Robert A., Newark, N. J. Closure for collapsible tubes, with pressure-responsive, resiliently biased outlet element. 2,607,515, Aug. 19.

Feldermann, William, Irvington, N. J. Humidifier structure. 2,591,057, Apr. 1.

Feldman, Carl B. H., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna. 2,594,409, Apr. 29.

Feldman, Herman, Forest Hills, assignor to J. Golden, Bronxville, N. Y. Novelty shoe tree for children. 2,580,746, Jan. 1.

Feldman, Herman, Forest Hills, N. Y. Combined drinking glass coaster and straw guide. 2,594,896, Apr. 29.

Feldman, Jack E., and W. M. Martin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Mold part and fastening means. 2,582,022, Jan. 8.

Feldman, John E.: *See*—
Helde, John D., and Feldman.

Feldman, John E., Garfield, N. J., assignor to United States Rubber Company, New York, N. Y. Flat mold for bathing caps. 2,605,504, Aug. 5.

Feldman, Julian, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. 2,581,398, Jan. 8.

Feldman, Julian, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. 2,583,554, Jan. 29.

Feldman, Julian, and M. Orchin, Pittsburgh, Pa. Purification of phenanthrene by azeotropic distillation. 2,590,096, Mar. 25.

Feldman, Samuel, Forest Hills, N. Y. Pleated fabric and garment made of same. 2,599,168, June 3.

Feldman, Samuel, Forest Hills, assignor to Lass O'Scotland, Ltd., New York County, N. Y. Knitted garment. 2,619,819, Dec. 2.

Feldman, Samuel, Forest Hills, assignor to Lass O'Scotland, Ltd., New York, N. Y. Knitted garment. 2,622,423, Dec. 23.

Feldmann, Henry J., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment lock. 2,585,643, Feb. 12.

Feldpausch, Leo P., Grand Rapids, Mich. Hunter's blind. 2,594,410, Apr. 29.

Feldser, R., assignee: *See*—
Henry, Nelson R.

Feldstein, Henry H., Cleveland, and H. R. Kilby, East Cleveland, assignors, by mesne assignments, to H. H. Feldstein, Cleveland, Ohio. Crystallizing apparatus. 2,594,142, Apr. 22.

Felenchak, William, Ansonia, Conn. Clothesline brace. 2,597,628, May 20.

Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. Re. 23,460, Feb. 12.

Felici, Noël, Grenoble, assignor to Centre National De La Recherche Scientifique, Paris, France. Explosion engine ignition. 2,590,168, Mar. 25.

Felici, Noël, assignor to Societe Anonyme des Machines Electrostatiques, Grenoble, France. Commutator. 2,604,502, July 22.

Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. 2,617,976, Nov. 11.

Fello, Harold G.: *See*—
McCarty, Lewis C., Jr., and Fello.

Felix, Paul C., Elkhart, assignor to Sibley Machine and Foundry Corporation, South Bend, Ind. Variable-speed drive for machine tools. 2,619,842, Dec. 2.

Felix, Thomas R., Meriden, Conn. Telescope sight mount for firearms. 2,583,260, Jan. 22.

Felix, Thomas R., Meriden, Conn. Telescope sight mount. 2,597,466, May 20.

Felker, Lloyd L., assignee: *See*—
Crooker, David E.

Fell Developments Limited, assignee: *See*—
Fell, Louis F. R.
Fell, Louis F. R., and Cousins.

Fell, Louis F. R., Littleover, assignor to Fell Developments Limited, London, England. Internal-combustion engine power plant. 2,589,788, Mar. 18.

Fell, Louis F. R., Littleover, and R. J. W. Cousins, Shoreham-by-Sea, assignors to Fell Developments Limited, London, England. Compression ignition power plant. 2,600,983, June 17.

Fell, Louis F. R., Littleover, and R. J. W. Cousins, Shoreham-by-Sea, assignors to Fell Developments Limited, London, England. Transmission gearing. 2,610,526, Sept. 16.

Fell, Louis F. R., Littleover, assignor to Fell Developments Limited, London, England. Internal-combustion engine power plant. 2,610,800, Dec. 2.

Feller, Lloyd W., assignee: *See*—
Rhoads, Leonard H.

Fellows, Frank H., East Cleveland, Ohio, and H. C. Wheaton, East Orange, N. J., assignors to Bailey Meter Company. Control system. 2,617,439, Nov. 11.

Fellows Gear Shaper Company, The, assignee: *See*—
Miller, Edward W.
Praeg, Walter S.

Fellows Medical Manufacturing Company, Inc., assignee: *See*—
Meyer, Arthur E.

Fellroth, Karl O., Minneapolis, Minn. Multimicro cut bar turner. 2,608,121, Aug. 26.

Fellroth, Karl, Minneapolis, Minn. Antifriction pressure stop for lathes and the like. 2,618,997, Nov. 25.

Felmore Company, Inc., assignee: *See*—
Morin, Edmund M.

Felsa S. A., assignee: *See*—
Meyer, Friedrich.

Felsenthal, Harry D.: *See*—
Rockwood, Alan C., and Felsenthal.

Felt, Arthur J., Littleton, Colo. Hydraulic brake safety device. 2,583,825, Jan. 29.

Felt, David C., Teaneck, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Tuning mechanism 2,612,051, Sept. 30.

Felt, David, Teaneck, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Television tuning indicator. 2,615,420, Oct. 28.

Felt, Paul W., assignor to Brown & Bigelow, St. Paul, Minn. Liquefied petroleum gas lighter. 2,594,754, Apr. 29.

Felt, Paul W., assignor to Brown & Bigelow, St. Paul, Minn. Liquefied petroleum gas lighter. 2,594,755, Apr. 29.

Felt & Tarrant Manufacturing Company, assignee: *See*—
Heitlinger, Eugene V.
Laiho, Jalmer M.
Niemann, Frederick A.

Felter, Richard H., Oakland, assignor to California Research Corporation, San Francisco, Calif. Sulfuric acid recovery. 2,593,128, Apr. 15.

Felters Company, The, assignee: *See*—
Young, Joseph W.

Felton, Albert E., and F. H. Price, assignors to Revo Electric Co. Limited, Tividale, Tipton, England. Electric switch. 2,595,569, May 6.

Felts, Gordon P.: *See*—
Seeger, Robert W., and Felts.

Fence-Me-In, Inc., assignee: *See*—
Dillon, Annie L., and O'Shea.

Fencil, Louise K., Brookfield, E. F. Cavanaugh, Wilmette, and R. H. Borkenhagen, assignors to Armour and Company, Chicago, Ill. Composition and process for blood adhesives. 2,620,280, Dec. 2.

Fender, Joseph N., Dallas, Tex. Suction telescope and mounting. 2,621,009, Dec. 9.

Fendrock, John J., Simpson, Pa. Antiskid chain coupling. 2,593,018, Apr. 15.

Fenger, Nicholas, assignor to The Aro Equipment Corporation, Bryan, Ohio. Hydraulic control valve. 2,592,798, Apr. 15.

Fengler, Theodore H., Sherman Oaks, Calif. Package spout. 2,587,716, Mar. 4.

Fenlin, John M., Beverly, N. J. Apparatus for making tubular conduits. 2,602,959, July 15.

Fenn, James A., assignor to Universal Vaporizer Corp., Chicago, Ill. Combined separator and volatilizer. 2,617,720, Nov. 11.

Fenne, Derrick J., Southfields, London, and M. Mugdan, deceased, Richmond, England, by M. Mugdan, executrix, Richmond, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of poly-acetals. 2,607,804, Aug. 19.

Fennell, Marcus W., assignor of fifty per cent to M. C. Fennell, El Segundo, Calif. Antifogging attachment for bathroom mirrors. 2,617,701, Nov. 11.

Fennell, Mayre C., assignee: *See*—
Fennell, Marcus W.

Fennelly, Joseph C., Kansas City, Mo., assignor, by mesne assignments, of one-half to H. S. Hensel, New York, N. Y. Razor blade injector and disposal. 2,601,601, June 24.

Fennelly, Joseph C., Kansas City, Mo., assignor, by mesne assignments, of one-half to H. S. Hensel, New York, N. Y. Blade injector and blade disposal device for injector type razors. 2,608,755, Sept. 2.

Fenner, J. H., & Company Limited, assignee: *See*—
Mitchell, James.

Fenner, John N., Asheville, N. C. Jointer. 2,581,475, Jan. 8.

Fennessy, Edward, Orpington, G. E. Roberts, Stoneleigh, and R. Calvert, New Malden, England. Track control unit. 2,582,588, Jan. 15.

Fenno, Joseph E., Rutherford, assignor to Stuyvesant Engineering Company, Lyndhurst, N. J. Package filling machine. 2,590,817, Mar. 25.

Fenske, Merrell R., State College, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Hydraulic fluid. 2,616,854, Nov. 4.

Fenstermaker, Lloyd H., Aurora, Ill. Check protector. 2,604,040, July 22.

Fenton, Frank, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Apparatus for loading vulcanizing molds. 2,581,246, Jan. 1.

Fenton, Frank, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Inflation valve. 2,600,862, June 17.

Fenton, Wilbur C., Strawberry Point, Iowa. Electric device to bring earth-worms to the surface of the ground. 2,607,164, Aug. 19.

Fenwal Incorporated, assignee: *See*—
Walbridge, Lyman H.

Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.

Ferber, Fred, Hohokus Township, Bergen County, N. J. Ball staking machine for pen tips. 2,609,774, Sept. 9.

Ferdinand Furniture Company, Inc., assignee: *See*—
McMurtrie, Robert H.

Ferdinand, Georges: *See*—
Delattre-Seguy, Jean.
Quercia, Marcel, and Ferdinand.

Fereday, Frederick T., Sr., Louisville, Ky., assignor to Westinghouse Air Brake Company. Traffic protection apparatus. 2,584,566, Feb. 5.

Fereday, Frederick T., Sr., Louisville, Ky., assignor to Westinghouse Air Brake Company. Railway signal control system. 2,623,162, Dec. 23.

Ferencl, Lester, Indianapolis, Ind., assignor to International Cigar Machinery Company. Cigarillo machine. 2,608,974, Sept. 2.

Fergason, Rector C., Gadsden, Ala., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Corn harvester. 2,604,750, July 29.

Fergason, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Ear severing device for corn harvesters. 2,604,749, July 29.

Fergnani, Walter P., assignor to Post Machinery Company, Beverly, Mass. Box blank folding machine. 2,584,855, Feb. 5.

Ferguson, Andrew, Pasadena, Calif. Amalgamator. 2,614,756, Oct. 21.

Ferguson, Andrew W.: *See*—
Baumgartner, Cecil A., Ferguson, Koch, and Mutter.

Ferguson, Euzziel D., Muskogee, Okla. Shoe sole clamp. 2,607,058, Aug. 19.

Ferguson, Frank H.: *See*—
Clark, James A., and Ferguson.

Ferguson, H. K., Company, The, assignee: *See*—
Gerber, Alfred H.

Ferguson, Harry C.: *See*—
Ferguson, William H. and H. C., and Geddes.

Ferguson, Harry, Inc., assignee: *See*—
Chambers, John M.
Geddes, John W., and Ferguson.
Hansen, Harold V.
Hunsaker, Harold J., and McCullough.
Klemin, Herman G.
Kopp, Lester G.
Richey, Clarence B.
Riley, Howard W., and Harrison.
Sands, William J., and Greer.
Schatz, Elmer E., and Ham.
Spurlin, William G.
Struthers, Donald K., and Schroeder.
Worsdell, Loren E.

Ferguson, Harry J., Elkins Park, assignor to Harry J. Ferguson Co., Jenkintown, Pa. Conveyer. 2,622,721, Dec. 23.

Ferguson, Harry J., Co., assignee: *See*—
Ferguson, Harry J.

Ferguson, J. H., assignee: *See*—
O'Quinn, Wilbur D.

Ferguson, J. L., Company, assignee: *See*—
Ferguson, John L.
Ferguson, John L., and Talbot.

Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Package filling machine. 2,616,605, Nov. 4.

Ferguson, John L., and R. C. Talbot, assignors to J. L. Ferguson Company, Joliet, Ill. Machine which fills groups of containers, a group at a time, with conveyer which stops during filling operation. 2,584,338, Feb. 5.

Ferguson, John L., and R. C. Talbot, assignors to J. L. Ferguson Company, Joliet, Ill. Weighing and filling machine. 2,608,372, Aug. 26.

Ferguson, John M., and C. Brown, Stafford, assignors to The English Electric Company Limited, London, England. Electric circuit comprising electric discharge device. 2,597,980, May 27.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Frequency converting device. 2,582,977, Jan. 22.

Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electronic indicator tube. 2,603,418, July 15.

Ferguson, Kenneth C., assignor to Inland Container Corporation, Indianapolis, Ind. Paperboard box cover lock. 2,586,156, Feb. 19.

Ferguson, Kenneth C., assignor to Inland Container Corporation, Indianapolis, Ind. Severable multiple unit case. 2,596,331, May 13.

Ferguson,, Kenneth C., assignor to Inland Container Corporation, Indianapolis, Ind. Multiple centering support. 2,610,735, Sept. 16.

Ferguson Radio Corporation Limited, assignee: *See*—
Hodges, Gordon F.

Ferguson, Reginald, Peterborough, England. Internal-combustion engine. 2,590,000, Mar. 18.

Ferguson, Richard: *See*—
Wilson, James C., and Ferguson.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Tobacco pipe. 2,589,359, Mar. 18.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Rattrap. 2,589,360, Mar. 18.

Ferguson, Syrl K., Springfield, Va. Message timing device. 2,584,997, Feb. 12.

Ferguson, Thomas C., Gainesville, Fla. Radiator positioner. 2,602,990, July 15.

Ferguson, Vernon E., Swan, Mo. Fire extinguisher. 2,582,112, Jan. 8.

Ferguson, Walker H., Midridge, Mo. Foldable and adjustable gambrel. 2,582,322, Jan. 15.

Ferguson, William H., Malden, H. C. Ferguson, Melrose, and J. W. Geddes, Boston, assignors to H. K. Porter, Inc., Everett, Mass. Beam clamp with adjustable jaw. 2,618,303, Nov. 18.

Fergusson, Hugh B., Bromley, England. Construction of thick-walled high-pressure vessels. 2,600,630, June 17.

Ferland, Napoleon S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad support. 2,616,107, Nov. 4.

Ferm, Ever A., Chicago, Ill. Cabinet and support for containers. 2,597,782, May 20.

Ferm, Ever A., Chicago, Ill. Sign for streets, etc. 2,597,783, May 20.

Ferm, John F., Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Coiler drum for rolling mills and the like. 2,586,527, Feb. 19.

Ferm, William P., assignor to Keller Tool Company, Grand Haven, Mich. Push type reversing valve. 2,606,736, Aug. 12.

Fermanian, Armen, Rutherford, G. W. Soderman, West Englewood, and W. J. Workman, North Arlington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Punching and applying apparatus. 2,593,286, Apr. 15.

Fernandes, Alvin E., Eureka, Calif. Adjustable ironing board. 2,584,196, Feb. 5.

Fernandes, Daniel S., Paramaribo, Surinam, Dutch West Indies. Processing rice for preserving the vitamin contents thereof. 2,592,407, Apr. 8.

Fernandez, Filiberto, Newark, N. J. Hydraulic sausage-stuffing machine. 2,608,715, Sept. 2.

Ferner, Warren E., G. Alexander, J. Robinson, and W. E. Streeter, Monroe, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa. Forging lubricant and using same. 2,588,625, Mar. 11.

Fernsel, Willis O., Los Angeles, Calif. Slingshot with automatic sight. 2,600,524, June 17.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Color control system. 2,586,635, Feb. 19.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Mean frequency control of frequency-modulated oscillators. 2,587,303, Feb. 26.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Frequency-modulated oscillator. 2,596,227, May 13.

Ferrand, Louis, Paris, France. Fused bath electrolytic cell for the production and refining of metals. 2,584,565, Feb. 5.

Ferrand, Louis, Paris, France. Electrolytic production of aluminum. 2,593,741, Apr. 22.

Ferranti Limited, assignee: *See*—
McCallum, Donald M.
Walker, Donald F.
Whitehead, James R., and Wood.
Wood, Hubert, Williams, and Whitehead.

Ferrara, Rose S., Bronx, N. Y. Unitary doorframe trimming device. 2,599,244, June 3.

Ferrari, Andrés, Jr., assignor, by mesne assignments, to Technicon Chemical Company, Inc., New York, N. Y. Staining slides and staining solutions therefor. 2,581,523, Jan. 8.

Ferrari, Ruggero, Parma, Italy. Universal and ordinary clock. 2,615,298, Oct. 28.

Ferraro, Joseph V., New York, N. Y., assignor to Empire Box Corporation, Garfield, N. J. Machine for erecting collapsed cartons. 2,592,880, Apr. 15.

Ferrer, Edwin R., Fairfield, assignor to The Bassick Company, Bridgeport, Conn. Safety guard for presses. 2,582,023, Jan. 8.

Ferrero, Paul, Tertre, F. Berbé, and L. R. Flamme, St. Ghislain, assignors to Societe Carbochimique, Societe Anonyme, Brussels, Belgium. Preparing alkanolamines. 2,622,073, Dec. 16.

Ferrero, Paul, Tertre, F. Berbé, and L. R. Flamme, Saint Ghislain, assignors to "Societe Carbochimique, Société Anonyme," Brussels, Belgium. Preparing alkanolamines. 2,622,099, Dec. 16.

Ferrier, Herman, Oakland, and N. J. Nish, Alameda, Calif.; said Nish assignor to said Ferrier. Operating means for the plunger of cushion filling machines. 2,587,826, Mar. 4.

Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Stable reference apparatus. 2,603,767, July 15.

Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Radio guidance system. 2,603,779, July 15.

Ferrin, Lester T., Tonasket, Wash. Concrete block molding machine. 2,595,066, Apr. 29.

Ferris, Daniel O., Denver, Colo. Hydraulically adjustable tool post. 2,615,233, Oct. 28.

Ferris, David R., assignor to Kysor Heater Company, Cadillac, Mich. Thermostatically operated valve. 2,581,582, Jan. 8.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Wringer. 2,606,436, Aug. 12.

Ferris, Howard H.: *See*—
Moland, Warren P., and Ferris.

Ferris, James A., West De Pere, Wis. Portable window ventilator. 2,595,570, May 6.

Ferris, Seymour W.: *See*—
Hill, Joseph B., and Ferris.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,608,933, Sept. 2.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,608,934, Sept. 2.

Ferris, Walter W., Fredonia, Kans. Anchoring device. 2,588,712, Mar. 11.

Ferris, Warren R., Kingston, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,592,408, Apr. 8.

Ferro, Bernardo J., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Low-temperature separation process. 2,600,494, June 17.

Ferro, Bernardo J., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solid catalyst injection apparatus. 2,622,935, Dec. 23.

Ferro Corporation, assignee: *See*—
Dany, Elmer W.
Skinner, Robert E., and McIntyre.
Sweo, Benjamin J.

Ferro Engineering Company, The, assignee: *See*—
Daussan, Henri J.

Ferro-Glo Corporation, assignee: *See*—
Peters, Lewis M.

Ferruzzi, Frank J., Willow Grove, Pa., assignor to The Aro Equipment Corporation, Bryan, Ohio. Valve construction. 2,612,339, Sept. 30.

Fessenden, George R., Baltimore, Md. Preserving plant and animal tissues. 2,606,843, Aug. 12.

Fessender, Ace C., assignee: *See*—
Casler, Roger H.
Eaton, Wilfred A.
Eaton, Wilfred A., and Sanford.

Fessler, Abe, Maplewood, N. J. Fitting canvas for fur garments or the like. 2,615,250, Oct. 28.

Fessler, Julius H., Berkeley, Calif. Treatment of wines. 2,590,076, Mar. 25.

Fessler, Julius H., Berkeley, Calif. Wine filtration. 2,596,392, May 13.

Fest, William C.: *See*—
Chisholm, Robert D., and Fest.

Fetchin, John: *See*—
Boatright, Robert G., and Fetchin.

Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Extractive fractionation process. 2,588,506, Mar. 11.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Crystalline complexes of urea and cyclic oxygen containing compounds. 2,613,204, Oct. 7.

Fetterolf, Luther D.: *See*—
Handwerk, Erwin C., and Fetterolf.
Waring, Robert K., Fetterolf, and Hurst.

Fettes, Edward M., Trenton, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Washington, D. C. Polysulfide polymer reaction and product. 2,606,173, Aug. 5.

Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper guide means for business machines. 2,585,102, Feb. 12.

Feucht, Albert, Cleveland, Ohio, assignor to Le Roi Company, Milwaukee, Wis. Drill steel retainer. 2,604,328, July 22.

Feucht, Albert, Cleveland, Ohio, assignor to The Le Roi Company, Milwaukee, Wis. Wagon drill. 2,621,896, Dec. 16.

Feucht, Jacob E., Garfield Heights, Ohio, assignor to Le Roi Company, Milwaukee, Wis. Valve for rock drills. 2,580,747, Jan. 1.

Feuer, Irving, Bronx, assignor of one-half to M. E. Sparrow, New York, N. Y. Variable reflex optical projection system for weighing scales. 2,583,690, Jan. 29.

Feurer Bros., Inc., assignee: *See*—
Feurer, Robert.

Feurer, Robert, Jackson Heights, assignor to Feurer Bros., Inc., New York, N. Y. Dustproof watch crown. 2,592,881, Apr. 15.

Feustel, Ernest A., Inc., assignee: *See*—
Spindler, Kurt P.

Few, William, and J. D. Sauter, Cleveland Heights, and W. F. Szabo, assignors to The Clark Controller Company, Cleveland, Ohio. Frequency relay. 2,590,393, Mar. 25.

Few, William, and J. D. Sauter, Cleveland Heights, assignors to The Clark Controller Company, Cleveland, Ohio. Cushioned electronic control with opposed winding reactor. 2,621,318, Dec. 9.

Fewel Bros. Packing Co., assignee: *See*—
Hansen, Henry.

Fewings, David J.: *See*—
Rust, Noël M., Partington, Plaistowe, and Fewings.

Feyrer, William F.: *See*—
Solomon, Nathan L., and Feyrer.

Feyrer, William F., assignor to N. L. Solomon, Englewood, N. J. Device for forming and applying bobby pins to flat curls. 2,589,487, Mar. 18.

Feyrer, William F., assignor to N. L. Solomon, Englewood, N. J. Machine for packaging wire forms. 2,599,547, June 10.

Fiacco, Sebastian J., Norwood, N. Y. Snow shovel attachment for motor vehicles. 2,603,007, July 15.

Fiat S. A., assignee: *See*—
Montabone, Oscar.

Fiat S. p. A., assignee: *See*—
Giacosa, Dante.

Fibra A. G., assignee: *See*—
Luchsinger, Ernst.

Fibreboard Products Inc., assignee: *See*—
Carey, Troy L., and Lubersky.
Hammel, Alfred J.

Fibre Forming Corporation, The, assignee: *See*—
Blum, Jay H.

Fibre-Metal Products Company, The, assignee: *See*—
Bowers, Charles E.
Bowers, John W.

Fibus, Murray M., assignee: *See*—
Burke, James P.

Fichter, Julius, South Euclid, Ohio. Adjustable ring and thread gauge. 2,594,143, Apr. 22.

Fichter, Ludwig J., and R. R. Pierson, assignors to Free Sewing Machine Co., Rockford, Ill. Sewing machine with automatic disappearing treadle. 2,607,650, Aug. 19.

Fichtmueller, Frederick A., Staten Island, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Method and apparatus for bending pipe. 2,609,859, Sept. 9.

Fichtner, Edwin C., Burlingame, assignor to Wells Manufacturing Company, San Francisco, Calif. Thermosealing device and sole therefor. 2,609,316, Sept. 2.

Fick, Nathaniel C.: *See*—
Crites, Nelson A., and Fick.

Ficken, Edward H., West New York, N. J. Germicidal cabinet. 2,587,131, Feb. 26.

Fickenscher, Kürt: *See*—
Uhink, Friedrich, Lautenbach, Irtenkauf, Fickenscher, and Haller.

Fickett, Ruth T., assignee: *See*—
Braun, Moodie E., Sr.

Fidler, Frederick A.: *See*—
Birch, Stanley F., Fidler, and Dean.

Fidler, Robert E., Royal Oak, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Adjustable tie rod. 2,584,687, Feb. 5.

Field, Albert, Dayton, Ohio. Abrasive tool. 2,622,377, Dec. 23.

Field, Braham R., assignor to Alkaline Batteries Limited, Redditch, England. Charging arrangement of electric accumulators. 2,622,233, Dec. 16.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making apparatus. 2,586,802, Feb. 26.

Field, Crosby, Brooklyn, N. Y. Apparatus for coating and coiling metal strip. 2,605,741, Aug. 5.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Congelation and apparatus for use in connection therewith. 2,610,474, Sept. 16.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Congelation and apparatus for use in connection therewith. 2,610,475, Sept. 16.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Congelation and apparatus for use in connection therewith. 2,610,476, Sept. 16.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Congealing apparatus. 2,616,270, Nov. 4.

Field, Crosby, Brooklyn, N. Y. Coil conveying apparatus. 2,622,822, Dec. 23.

Field, Crosby, and E. C. Stover, assignors to Flakice Corporation, Brooklyn, N. Y. Congelation and apparatus for use in connection therewith. 2,610,477, Sept. 16.

Field, Donald C.: *See*—
Sparks, William J., Thomas, and Field.

Field, Edmund, Chicago, Ill., and B. L. Hill, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Higher alcohols from aldehydes. 2,587,576, Mar. 4.

Field, Edward A., Jr., Mendota, Ill. Draft control. 2,581,757, Jan. 8.

Field, George T. J.: *See*—
John, David H. O., and Field.

Field, Henry M., Dayton, Ohio. Abrasive polishing wheel. 2,608,804, Sept. 2.

Field, Howard, Jr., assignee: *See*—
Ratkovlak, Casimer A.

Field, Howard, Jr., Los Angeles, Calif. Valve control for engine cooling systems. 2,606,539, Aug. 12.

Field, John J., Pocatello, Idaho. Combination crib and playpen. 2,610,332, Sept. 16.

Field, Lester M., assignor to International Standard Electric Corporation, New York, N. Y. High-density beam control. 2,591,68[illegible] Apr. 8.

Field, Lester M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode structure for electron discharge tubes. 2,594,897, Apr. 29.

Field, Lester M., Palo Alto, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulation system. 2,603,772, July 15.

Field, Lester M., Palo Alto, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulated oscillator. 2,603,773, July 15.

Field, Lloyd M., deceased, New London, Ohio; F. J. F. Karcher, Pueblo, Colo., executrix of said Lloyd M. Field, assignor to F. J. F. Karcher. Spark plug. 2,597,718, May 20.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Latching means for electric motor shafts. 2,597,785, May 20.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Shelf mounted plug coupled detachable type relay. 2,617,846, Nov. 11.

Field, Oscar S., and J. E. Frechafer, assignors to General Railway Signal Company, Rochester, N. Y. Navigational system for airways traffic control. 2,588,916, Mar. 11.

Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Aircraft navigation and instrucent landing system. 2,597,784, May 20.

Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Circuit controlling altimeter. 2,609,684, Sept. 9.

Field, Sydney S., New York, assignor of one-half to B. Dexter Freeman, Chappaqua, N. Y. Apparatus for simulating a game of football. 2,616,696, Nov. 4.

Field, Theodore E., Louisville, Ky., and H. T. Smyth, Takoma Park, Md., assignors to Corhart Refractories Company, Louisville, Ky. Producing cast refractories. 2,603,914, July 22.

Field, Walter P., Brockton, Mass. Machine for the manufacture of shoes. 2,599,548, June 10.

Fieldhouse, Richard C., Portland, Oreg. Golf bag with built in supporting wheel and automatically retractable legs. 2,602,676, July 8.

Fields, Ernest, New York, N. Y. Toy track system. 2,581,583, Jan. 8.

Fields, Ernest, New York, N. Y. Movement for animated toys. 2,581,584, Jan. 8.

Fields, Ernest, New York, N. Y. Animated mechanical toy. 2,600,984, June 17.

Fields, Frank, Chicago, Ill., assignor to Enduro Metal Awning Corporation of America, Charleston, W. Va. Awning structure. 2,586,318, Feb. 19.

Fields, George, Wilmette, assignor to Admiral Corporation, Chicago, Ill. Washing machine and transmission therefor. 2,583,168, Jan. 22.

Fields, Glenn R., Gem, and S. S. Bumpus, Eureka, Kans. Dump trailer. 2,610,087, Sept. 9.

Fields, Herbert P., and B. Kucinski, Chicago, Ill. Window ventilator. 2,583,555, Jan. 29.

Fields, Herbert P., and B. Kucinski, Chicago, Ill. Window ventilator. 2,598,774, June 3.

Fields, Joseph E., Dayton, and G. L. Wesp, Englewood, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Low molecular weight, nitrogenous acrylate polymers. 2,598,639, May 27.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Inhaler. 2,581,182, Jan. 1.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Multiple chamber package. 2,615,448, Oct. 28.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Container. 2,617,419, Nov. 11.

Fields, Morris H., U. S. Navy. Light modulating device. 2,602,886, July 8.

Fienberg, Nathan, Caulfield, Victoria, and A. R. Calder, Newport, Victoria, assignors to A. C. I. Plastics Proprietary Limited, Melbourne, Victoria, Australia. Plastic molding machine. 2,621,363, Dec. 16.

Fienen, Nicholas, Buffalo, N. Y. Dry mop cleaning apparatus. 2,623,230, Dec. 30.

Fieser, Louis F., Belmont, Mass., assignor to the United States of America as represented by the Secretary of War. Incendiary gels. 2,606,107, Aug. 5.

Fieser, Louis F., Belmont, and E. B. Hershberg, Stoughton, Mass., assignors to the United States of America as represented by the Secretary of the Army. Munition. 2,615,396, Oct. 28.

Figg, Basil D.: *See*—
Jones, Don F., and Figg.

Fihe, John L., Akron, Ohio, and J. W. Huff, Mercerville, N. J., assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for making V belts. 2,598,158, May 27.

Filachione, Edward M.: *See*—
Fisher, Charles H., Filachione, and Fein.

Filachione, Edward M., Philadelphia, Pa., M. L. Fein, Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Mixed glycerol esters and their acylation products. 2,584,998, Feb. 12.

Filak, Andrew M., Lakewood, assignor to J. R. Cox, Columbus, Ohio, as trustee. Eyebrow pencil. 2,606,527, Aug. 12.

Filak, Arthur, Newark, N. J. Bobby pin dispenser and hair curler. 2,596,017, May 6.

Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carboxymethyl ethers. 2,599,620, June 10.

Filer & Stowell Co., The, assignee: *See*—
Denton, Joseph A.
Taube, Bernhard W.

Filip, Andrew P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle threading mechanism for sewing machines. 2,616,381, Nov. 4.

Filippi, Aldo R., Redwood City, Calif. Hammer actuating mechanism. 2,588,816, Mar. 11.

Filko, John, assignor to F. & B. Mfg. Co., Chicago, Ill. Contact arm for distributor breaker plates. 2,599,323, June 3.

Fill, John V., Miami, Fla., assignor to the United States of America as represented by the Secretary of War. Counterpoise. 2,593,427, Apr. 22.

Fillebrown, William C., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Centering and caging mechanism for gyroscopes. 2,580,748, Jan. 1.

Fillion, Stanley H., Scarsdale, assignor to Waugh Equipment Company, New York, N. Y. Coupler for dynamometer purposes. 2,601,781, July 1.

Fillion, Stanley H., Scarsdale, N. Y. Cushion underframe. 2,613,819, Oct. 14

Filliung, Jacques J., assignor to Sloan Valve Company, Chicago, Ill. Flush valve operating arrangement. 2,612,179, Sept. 30.

Fillman, Harvey F.: *See*—
Keck, Robert W., and Fillman.

Film 'N File, Inc., assignee: *See*—
Langan, John F.

Filmsort, Inc., assignee: *See*—
Baker, Leonard.

Filmtone, Inc., assignee: *See*—
Fordor, Ferenz H.

Fil-Rite Company, The, assignee: *See*—
Purvis, Judson A.

Filsinger, Robert S.: *See*—
Boughton, Olin W., and Filsinger.

Filstrup, Eddie C.: *See*—
Erikson, Gustaf, and Filstrup.

Filstrup, Edward C., St. Joseph, assignor to Armstrong Coalbreak Company, Benton Harbor, Mich. Compressed air coal breaker. 2,591,529, Apr. 1.

Filstrup, Edward C., Jr., St. Joseph, assignor to Armstrong Coalbreak Company, Benton Harbor, Mich. Pressure responsive valve. 2,591,528, Apr. 1.

Filtaire Products, Inc., assignee: *See*—
Millar, Warren G.

Filterall Co., Inc., assignee: *See*—
Zenick, Raymond G.

Filzer, Christian G., Erie, Pa. Apparatus for violet ray treatment. 2,590,601, Mar. 25.

Finch, Leonard E.: *See*—
Kircher, Ralph N., and Finch.
Kraemer, Elmore A., and Finch.

Finch, Leonard E., assignor to West Bend Aluminum Co., West Bend, Wis. French frier. 2,593,549, Apr. 22.

Finck, Joseph L., Brooklyn, N. Y. Insulating latch for building and like structures. 2,597,309, May 20.

Fincke, John K., Ayer, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of alkane sulfonic acids. 2,594,411, Apr. 29.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing β-(alkyl mercapto) ethyl chloride. 2,598,640, May 27.

Finder, George A., San Diego, Calif. String holding key for musical instruments. 2,583,478, Jan. 22.

Finder, George A., assignor to Fin-der Inc., San Diego, Calif. Musical instrument construction. 2,588,101, Mar. 4.

Fin-der Inc., assignee: *See*—
Finder, George A.

Findlay, Reginald H., Montreal, assignor to Dominion Bridge Company Limited, Lachine, Quebec, Canada. Car unloading apparatus. 2,608,311, Aug. 26.

Findlay, Robert A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Continuous crystallization apparatus and process. 2,617,273, Nov. 11.

Findley, Howard J.: *See*—
Findley, James P. and H. J.
Winther, Martin P., and Findley.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heater booster brake. 2,588,507, Mar. 11.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric generator. 2,588,508, Mar. 11.

Findley, Howard J., Chardon, Ohio, and W. R. Eames, Jr., Hazel Park, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Windshield wiper apparatus. 2,581,010, Jan. 1.

Findley, James P., Chesterland, and H. J. Findley, Chardon, Ohio, assignors, by mesne assignments, of one-half to K. R. Proctor and one-half to D. G. Gill, New York, N. Y. Roller paint applying device. 2,591,530, Apr. 1.

Fine, Albert H., Oak Park, Ill. Hood for tanks and the like. 2,611,509, Sept. 23.

Fine, Albert H., Oak Park, Ill. Liquid indicator. 2,620,663, Dec. 9.

Fine, Richard D., Merchantville, N. J., and W. L. Trowbridge, Newark, Ohio; said Fine assignor to Atlas Powder Company, Wilmington, Del., and said Trowbridge assignor to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Dust adhesive for gas filters. 2,620,044, Dec. 2.

Fine, Samuel: *See*—
Rittner, Edmund S., Grace, Fine, and Beutel.

Fine Spinners & Doublers Limited, assignee: *See*—
Goshawk, Eric R.

Fine, Willard W., Columbus, Ohio. Toe shield. 2,589,791, Mar. 18.

Finelt, Aron, New Rochelle, N. Y. Wax injecting machine. 2,602,189, July 8.

Finger, Wesley D., Rochester, N. Y. Tray holder for automobiles. 2,584,006, Jan. 29.

Finizie, Edmond J., assignee: *See*—
Finizie, Tomun.

Finizie, Edmond J., Bridgeport, Conn. Apparatus for cooking food 2,622,506, Dec. 23.

Finizie, Tomun, Bridgeport, Conn. Spit-handling device. 2,587,133, Feb. 26.

Finizie, Tomun, assignor to E. J. Finizie, Bridgeport, Conn. Electric switch. 2,596,893, May 13.

Fink, Charles H., Midland, Tex. Fire alarm. 2,609,785, Sept. 9.

Fink, George A., Flushing, N. Y. Automatic rebalance signal indicator. 2,617,842, Nov. 11.

Fink, Herbert H.: *See*—
Davies, Robert E., and Fink.

Fink, John F., Arlington, Va. Spotting apparatus. 2,619,821, Dec. 2.

Fink, Lucynda I., Liscomb, Iowa. Hair-waving device. 2,620,806, Dec. 9.

Fink, Lyman R., Syracuse, N. Y., assignor to General Electric Company. Coincidence timing system. 2,602,140, July 1.

Fink, Walter A., and J. D. Brown, assignors to Toledo Scale Company, Toledo, Ohio. Blade tensioning means for meat-cutting band saws. 2,617,451, Nov. 11.

Fink, William C., Brooklyn, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Silvering incandescent bulbs of the reflecting type. 2,619,430, Nov. 25.

Finke, Daniel L., Brooklyn, N. Y. Tool for cutting abrasive wheels and other materials. 2,587,132, Feb. 26.

Finke, Theodore R., Euclid, assignor to The Radiart Corporation, Cleveland, Ohio. Utility stool. 2,609,033, Sept. 2.

Finke, Theodore R., Euclid, assignor to The Radiart Corporation, Cleveland, Ohio. Reel antenna. 2,623,175, Dec. 23.

Finkel Umbrella Frame Company, Inc., The, assignee: *See*—
Pereira, Humberto.

Finkelstein, William, Philadelphia, Pa. Baggage handle. 2,609,898, Sept. 9.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Finken, Walter S., Brooklyn, and L. P. Frieder, Great Neck, N. Y., assignors, by mesne assignments, to the Reconstruction Finance Corporation, Philadelphia, Pa. Delay opening parachute pack and releasing assembly therefor. 2,582,113, Jan. 8.

Finkle, Clarence M., Mansfield Township, Warren County, N. J. Combined car crib and playpen. 2,606,328, Aug. 12.

Finlay, Alexander C., Long Island City, and B. A. Sobin, New York, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Netropsin and its production. 2,586,762, Feb. 19.

Finlay, Walter L., Fairfield, Conn., assignor, by mesne assignments, to Rem-Cru Titanium, Inc., Midland, Pa. Titanium molybdenum alloys. 2,614,041, Oct. 14.

Finlay, Walter L., Fairfield, and D. R. Adessa, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Shot shell manufacture. 2,608,140, Aug. 26.

Finlayson, Albert, and W. R. Smith, Kingston upon Hull, England. Device for disinfecting telephone mouthpieces. 2,595,517, May 6.

Finlayson, Donald, and M. W. Alford, Spondon, near Derby, England, assignors to Celanese Corporation of America. Gaseous treatment of filamentary textile material at supersonic and subsonic gas velocities and apparatus therefor. 2,622,961, Dec. 23.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Heat setting and temperature indication in flatirons. 2,582,024, Jan. 8.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Soleplate structure for electric steam irons. 2,582,773, Jan. 15.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Steam iron reservoir water supply and water discharge means. 2,587,608, Mar. 4.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Adjustable thermostat mechanism for electric flatirons. 2,602,248, July 8.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Thermostat control cam for automatic flatirons. 2,602,352, July 8.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Thermostat switch for automatic flatirons. 2,602,873, July 8.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Steam iron having improved water reservoir and steam generator. 2,608,773, Sept. 2.

Finlayson, Thomas R., and B. E. Lee, assignors to Magnesium Products of Milwaukee, Milwaukee, Wis. Collapsible boat trailer. 2,608,418, Aug. 26.

Finley, Harold L., Woodhaven, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Igniter for oil burners. 2,594,412, Apr. 29.

Finley, John T.: *See*—
Crump, Lindell L., and Finley.

Finley, Robert W.: *See*—
Talmage, John H., and Finley.

Finn, John, San Francisco, Calif. Apparatus for treating noxious gases. 2,602,730, July 8.

Finn, John S.: *See*—
Bishop, Lewis H., and Finn.

Finn, Robert S.: *See*—
Hawkins, James E., and Finn.

Finn, Robert S., assignor to Seismograph Service Corporation, Tulsa, Okla. Method and apparatus for seismic prospecting. 2,599,245, June 3.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Wear plate for the breech mechanism of guns. 2,613,576, Oct. 14.

Finnegan, George B., Jr., trustee, assignee: *See*—
Teale, Harold A.

Finnegan, James F., La Salle, Ill. Pneumatic grain conveyer and drier. 2,622,341, Dec. 23.

Finnell, Russell D., Orange, Tex. Signal device for indicating overheated bearings and the like. 2,596,847, May 13.

Finnell, Walter S., Elkhart, Ind. Floor processing apparatus. 2,600,233, June 10.

Finneman, Tyko K., Portland, Oreg. Mortise butt hinge marker. 2,596,542, May 13.

Finneran, Thomas J., and C. O. Slyfield, Los Angeles, assignors to Walt Disney Productions, Burbank, Calif. Automatic phonograph resetting apparatus. 2,602,668, July 8.

Finnerty, Martin F., New Haven, Conn. Gravity projector ball game device. 2,607,592, Aug. 19.

Finney, Fay B., Platteville, Wis. Ladder bracket. 2,599,169, June 3.

Finzer, Raymond, Hoosick Falls, N. Y. Machine for making stereotype mats. 2,618,073, Nov. 18.

Fiore, Alphonse T.: *See*—
Kunz, Eric C., and Fiore.

Fiorella, Nicholas, assignee: *See*—
Higgins, John, and Fiorella.

Fiorentini, Alfredo, Nice, France. Arrangement for holding removable dental prothesis apparatus in the mouth. 2,593,287, Apr. 15.

Fiorenzi, Ubaldo, Sinigallia, Italy. Mounting for wall forms. 2,580,536, Jan. 1.

Floretti, James C., El Paso, Tex. Container. 2,584,008, Jan. 29.

Fiorini, Sestilio, Brescia, assignor to Società Italiana Ernesto Breda Per Construzioni Meccaniche, Milan, Italy. Removable magazine extension. 2,620,581, Dec. 9.

Fioruzzi, Franco, Milan, Italy. Concrete wall mold. 2,618,834, Nov. 25.

Fippinger, Elmer G., Forest Park, Ill. Saw setting tool. 2,613,553, Oct. 14.

Fipps, Russell V., Lexington Park, Md. Spraying system for sludge separators. 2,604,443, July 22.

Fires, Dorothy, assignee: *See*—
Fires, William R.

Fires, William R., assignor of one-half to D. Fires, Rivervale, Ark. Self-serving table with rotatable center. 2,619,396, Nov. 25.

Firestine, John C., South River, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del Carbocyanine dyes. 2,609,371, Sept. 2.

Firestone, Floyd A., Ann Arbor, Mich., and R. B. De Lano, Jr., New York, N. Y., assignors to Sperry Products, Inc., Hoboken, N. J. Synchronizing a voltage train generator and power supply. 2,592,133, Apr. 8.

Firestone, Floyd A., Ann Arbor, Mich., assignor to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection. 2,592,134, Apr. 8.

Firestone, Floyd A., Ann Arbor, Mich., assignor to Sperry Products, Inc., Hoboken, N. J. Inspecting solid parts by supersonic shear waves. 2,592,135, Apr. 8.

Firestone, Floyd A., Washington, D. C., assignor to Sperry Products, Inc., Hoboken, N. J. Generating supersonic waves. 2,601,779, July 1.

Firestone, Ray E., Troutville, Va. Bag filling machine with movably mounted funnel closing member. 2,623,671, Dec. 30.

Firestone Tire & Rubber Company, The, assignee: *See*—
Albert, Harry E.
Albert, Harry E., and Smith.
Allen, Raymond W.
Alliger, Glen.
Barnhart, William S.
Bosomworth, George P.
Bosomworth, George P., and Mason.
Briant, Raymond C.
Broden, Edwin N.
Brown, Roy W.
Campbell, Harris S.
Carr, Edward L.
Carr, Edward L., and Rafter.
Collette, William K.
Conard, Wendell R., and Best.
Cook, Wendell S., and Smith.
Crane, Grant, and Eberly.
Darrow, Burgess.
Deist, Herbert H., and Mason.
Eberly, Kenneth C., and Reid.
Groten, Frank J., and Reid.
Hale, James E.
Howe, Donald E.
Jordan, Wilbur F.
Kinzinger, Siegfried M.
Kirby, Charles C.
Kitchen, Leland J.
Kitchen, Leland J., and Smith.
Kubaugh, Le Roy M.
Kuhn, Leroy B.
Matlack, Jacob D., and Reid.
McDonald, John E.
Miller, Verle A., and Reid.
Radcliffe, Milton R.
Schule, Elmer C.
Secrest, William J.
Shinn, Byron H., and Ullman.
Smith, George E. P., Jr.
Smith, George E. P., Jr., and Albert.
Spencer, George A.
Stevens, Horace D.
Swanson, Carl R., Olson, and Armitage.

Firma "Noris" Zund-Licht Aktiengesellschaft, assignee: *See*—
Harsch, Paul, and Rinkel.

Firma Triumph-Werke Nurnberg A. G., assignee: *See*—
Wunderlich, Johann F., and Brandenburg.

Firman, Reginald A.: *See*—
Pierson, Reginald K., and Firman.

Firman, Reginald A., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Locking mechanism. 2,598,245, May 27.

Firman, Reginald A., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Bomb slip and analogous releasable attachment. 2,610,887, Sept. 16.

Firminger, Reginald T., London, England. Perforating machine. 2,608,282, Aug. 26.

Firminhac, Ralph H.: *See*—
Borkowski, Casimer J., and Firminhac.

Firsching, Joseph A., Sr., Utica, N. Y. Undergarment for men. 2,601,602, June 24.

First, Melvin J., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Brushmaking machine. 2,609,241, Sept. 2.

First National Bank of Cincinnati, The, executor: *See*—
Goldsmith, William M.

First National Bank of Kansas City, executor: *See*—
Cross, Roy.

First National Bank of Santa Fe, The, executor: *See*—
Cooley, Lenore B.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Quickly adjustable vise having safety stop. 2,605,660, Aug. 5.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Machinery drive. 2,600,453, Aug. 12.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Means for mounting fan shafts of blowers. 2,621,850, Dec. 16.

Firth, Denis A.: *See*—
Garner, Philip J., and Firth.

Firth-Vickers Stainless Steels Limited, assignee: *See*—
Kirkby, Henry W., and Sykes.

Fisch, Paul, assignor to Transimpex, Import, Export und Transit A. G., Zurich, Switzerland. Container with cap. 2,581,849, Jan. 8.

Fisch, Richard A., Kew Gardens, N. Y. Curved lengths of plastic material and apparatus for making the same. 2,601,269, June 24.

Fisch, Richard A., Kew Gardens, N. Y. Insulating shield for cathode-ray tubes. 2,602,112, July 1.

Fisch, Richard A., Kew Gardens, N. Y. Mounting device for television tubes. 2,602,113, July 1.

Fisch, Richard A., Kew Gardens, N. Y. Insulating ring and protective device for cathode-ray tubes. 2,602,114, July 1.

Fischbach, Adolph, Loch Arbour, N. J., assignor to the United States of America as represented by the Secretary of the Army. Sponge cadmium electrode and making the same. 2,616,939, Nov. 4.

Fischbach, Alexander A., St. Paul, Minn. Smoking pipe. 2,588,713, Mar. 11.

Fischbein, David: *See*—
Pantusco, Frank, and Fischbein.

Fischbein, William J., assignor of one-half to British Artificial Resin Company Limited, London, England. Press for the manufacture of continuous web material. 2,602,960, July 15.

Fischbein, William J., assignor of one-half to British Artificial Resin Company Limited, London, England. Method and apparatus for feeding comminuted board-forming material for pressing. 2,623,239, Dec. 30.

Fischer, Albert W., Highland Park, and A. D. McDuffie, Berkley, assignors to General Motors Corporation, Detroit, Mich. Gyroprocessing means. 2,581,476, Jan. 8.

Fischer, Alfred: *See*—
Nowak, Milton, and Fischer.

Fischer, Arnold F., New York, N. Y. Reel for wire stitching machines. 2,580,749, Jan. 1.

Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Dicarbonyl compounds. 2,602,814, July 8.

Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Xanthogen formates. 2,608,572, Aug. 26.

Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Xanthogen compounds. 2,608,573, Aug. 26.

Fischer, Carl W., assignor of The Powers Regulator Company, Chicago, Ill. Control mechanism. 2,593,129. Apr. 15.

Fischer, Donald E.: *See*—
Adams, William J., Jr., and Fischer.

Fischer, Edward F., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Surface treatment of magnesium and magnesium alloy articles. 2,613,165, Oct. 7.

Fischer, Edward G., Holliston, Mass. Snow removal device. 2,603,892, July 22.

Fischer, Edward J., Vancouver, Wash. Electric test device. 2,598,775, June 3.

Fischer, Ernst F., Zurich, Switzerland. Automatic regulation of light falling on deformable cathode-ray tube screen. 2,600,397, June 17.

Fischer, Ernst F., Zurich, Switzerland. Deformable medium for controlling a light stream. 2,605,352, July 29.

Fischer, Everett M.: *See*—
Tambini, Albert L., Burnett, Fischer, and Lima.

Fischer, Georg, Aktiengesellschaft, assignee: *See*—
Bührer, Erwin.
Mönssen, Jacob W.
Von Zelewsky, Ottomar.

Fischer, Harald, Braunau a/Inn, Upper-Austria. Apparatus for determining map references in navigation according to the hyperbola method. 2,584,688, Feb. 5.

Fischer, Harry, Kew Gardens, N. Y. Garment hanger. 2,605,030, July 29.

Fischer, Harry C., Plymouth, assignor to Temprite Products Corporation, Detroit, Mich. Liquid flow regulator. 2,605,783, Aug. 5.

Fischer, Henry C.: *See*—
Ponder, Speers G., Fischer, and Edelson.

Fischer, Herbert A., Langdon, N. Dak. Ball point needle for phonographs. 2,594,759, Apr. 29.

Fischer, Herbert G. M., Westfield, and A. B. Welty, Jr., Mountainside, N. J., assignors to Standard Oil Development Company. Gasification of carbonaceous materials. 2,618,544, Nov. 18.

Fischer, Howard J., Hartwell, Cincinnati, assignor to The United States Printing & Lithograph Company, Norwood, Ohio. Carton construction. 2,617,578, Nov. 11.
Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Writing instrument. 2,603,186, July 15.
Fischer, Howard R.: *See*—
Roberts, James A., Fischer, and D'Haem.
Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Automatic dimpling machine. 2,592,672, Apr. 15.
Fischer, Howard R., and J. A. Roberts, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Hydraulic tool for pulling clinch nuts. 2,583,733, Jan. 29.
Fischer, Jacob G., assignor to Magicot Sleep Products Inc., Brooklyn, N. Y. Folding cot. 2,600,104, June 10.
Fischer, Jason M.: *See*—
Lynch, Granville W., Jr., and Fischer.
Fischer, Joseph, New York, N. Y. Adjustable automotive mirror mounting. 2,595,832, May 6.
Fischer, Joseph W.: *See*—
Stratman, William C., and Fischer.
Fischer, Karl A., College Park, Md. Deasphaltizing oils. 2,591,690, Apr. 8.
Fischer, Karl A., Washington, D. C. Fabric material provided with paraffin coating. 2,594,547, Apr. 29.
Fischer, Karl A., Washington, D. C. Polarizing and optically staining dark field microscope. 2,594,756, Apr. 29.
Fischer, Karl A., Washington, D. C. Illuminating a microscope dark field with light in contrasting colors. 2,594,757, Apr. 29.
Fischer, Karl A., Washington, D. C. Dark field color filter with polarizing means for microscopes. 2,594,758, Apr. 29.
Fischer, Karl A., Washington, D. C. Apparatus for electrically filtering paraffins. 2,617,763, Nov. 11.
Fischer, Karl A., Washington, D. C. Apparatus for electrically filtering paraffins. 2,620,298, Dec. 2.
Fischer, Karl A., Washington, D. C., and O. F. Hecht, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Moisture control of solidified fuel. 2,610,113, Sept. 9.
Fischer, Karl A., Washington, D. C., and O. F. Hecht, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Solidification of liquid fuel. 2,610,114, Sept. 9.
Fischer, Karl A., Washington, D. C., and O. F. Hecht, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Recovery of liquid fuel from solidified fuel. 2,610,952, Sept. 16.
Fischer, Mary A., Miami Beach, Fla. Shoe with interchangeable panel inserts. 2,583,826, Jan. 29.
Fischer, Paul E., Portland, Conn., assignor, by mesne assignments, to Emhart Manufacturing Company. Crate unloader. 2,615,746, Oct. 28.
Fischer, Paul E., and M. B. Sturdevant, Minneapolis, Minn., assignors to General Mills, Inc. Filling machine control mechanism. 2,603,398, July 15.
Fischer, Paul E., Portland, and E. Ardell, Middletown, Conn., assignors, by mesne assignments, to Emhart Manufacturing Company. Sheet feeding device for article labeling machines. 2,603,483, July 15.
Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Rotary drilling fluids. 2,582,323, Jan. 15.
Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Drilling fluids. 2,599,752, June 10.
Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oil base drilling fluids. 2,617,767, Nov. 11.
Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oil base drilling fluids. 2,623,015, Dec. 23.
Fischer, Paul W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Oil-base drilling fluids. 2,607,731, Aug. 19.
Fischer, Paul W., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Oil-base drilling fluids. 2,612,471, Sept. 30.
Fischer, Paul W., Long Beach, and R. A. Rogers, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Making drilling fluids. 2,606,151, Aug. 5.
Fischer & Porter Company, assignee: *See*—
Head, Victor P.
Fischer, Richard A., assignor to The Garrett Corporation, Los Angeles, Calif. Pressure ratio valve for aircraft air conditioning systems. 2,618,123, Nov. 18.
Fischer, Richard C., and O. D. Litsch, Chicago, Ill., said Litsch assignor to said Fischer. Fly tier's vise. 2,586,636, Feb. 19.
Fischer, Robert E., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Electronic contactor. 2,584,007, Jan. 29.
Fischer, Wilbur F., Roselle Park, F. Knoth, Jr., Sayreville, and R. G. Newberg, Roselle Park, N. J., assignors to Standard Oil Development Company. Use of diphenylol propane in esterification and ester products. 2,593,428, Apr. 22.
Fischler, Paul E., Avon, N. Y., assignor to Technical Alliance, Inc. Radio selective alarm system with a central transmitter. 2,623,991, Dec. 30.
Fischler, Paul E., Buffalo, N. Y., assignor to Technical Alliance, Inc. Tuned audio relay. 2,623,964, Dec. 30.
Fischler, Paul E., assignor of one-half to J. Nathanson, Buffalo, N. Y. Selective audio relay. 2,623,966, Dec. 30.
Fischler, Paul E., Buffalo, and J. P. Thut, East Rochester, N. Y., assignors to Technical Alliance, Inc. Radio transmitter control. 2,623,992, Dec. 30.
Fiser, Harlan N., Pittsburgh, Pa. Rotary hydraulic coupling. 2,598,367, May 27.
Fish Engineering Corporation, assignee: *See*—
Hutchinson, Arthur J. L.
Fish, Gilbert D., Pelham, N. Y. Structural beam end connection. 2,588,225, Mar. 4.
Fish, John J., assignor to Sun Chemical Corporation, New York, N. Y. Preparing blends of hydrocarbon polymers and petroleum waxes. 2,601,109, June 17.
Fish, Kenneth R. G., and R. T. Gent, assignors of one-third to D. L. Boys, Wellingborough, England. Double glazed panel. 2,620,522, Dec. 9.
Fish, Robert H., Adams, N. Y. Parlor baseball game. 2,588,972, Mar. 11.
Fish-Schurman Corporation, assignee: *See*—
Bastien, Roy C.
Fish, Stanley W., Springfield, Mass. Container with adjustable firearm support. 2,603,347, July 15.
Fishback, Edward W., Orlando, Fla. Pipe coupling. 2,591,531, Apr. 1.
Fishburn, Everett D., Argos, Ind. Lawn mower attachment. 2,597,981, May 27.
Fishburne, Edward W., assignor to F & M Mfg. Co., Inc., Chicago, Ill. Fish scaler and skinner. 2,618,810, Nov. 25.
Fishburne, Francis B., Asheville, N. C., C. H. Hinnant, Jr., Richmond, Va., and T. A. Ricks, Durham, N. C. Method of and apparatus for filling and packing containers. 2,596,018, May 6.
Fisher, Albert B., Jr.: *See*—
Shaffer, Chester E., and Fisher.
Fisher, Alec: *See*—
Lebenbaum, Paul, Jr., and Fisher.
Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine regulating system. 2,588,319, Mar. 4.
Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine cooling and brush lubrication. 2,606,946, Aug. 12.
Fisher, Andrew J., Sparrows Point, Md. Impact pulverizing apparatus having fluid jets firing toward a common point. 2,587,609, Mar. 4.
Fisher, Berne N.: *See*—
James, Maxwell, and Fisher.
Fisher, Berne N., New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Tone arm indexing apparatus. 2,586,422, Feb. 19.
Fisher, Berne N., New York, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Record changer phonograph. 2,613,081, Oct. 7.
Fisher, Berne N., Roselle, assignor to General Instrument Corporation, Elizabeth, N. J. Multispeed record player with automatic tone arm weight compensation. 2,608,411, Aug. 26.
Fisher, Carl E.: *See*—
Tuck, Raymond G., and Fisher.
Fisher, Charles H.: *See*—
Fein, Martin L., and Fisher.
Filachione, Edward M., Fein and Fisher.
Mast, William C., and Fisher.
Mast, William C., Rehberg, and Fisher.
Schwartz, Joseph H., Talley, Zief, and Fisher.
Fisher, Charles H., New Orleans, La., M. Zief, Philadelphia, Pa., and R. C. Hockett, Larchmont, N. Y., assignors to the United States of America as represented by the Secretary of Agriculture. Modified drying oils. 2,594,303, Apr. 29.
Fisher, Charles H., New Orleans, La., E. M. Filachione, Philadelphia, Pa., and M. L. Fein, Riverside, N. J., assignors to the United States of America as represented by the Secretary of Agriculture. Production of alpha-carbalkoxyalkyl methacrylates. 2,599,549, June 10.
Fisher, Charles H., New Orleans, La., and M. L. Fein, Riverside, N. J., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of acylated hydroxycarboxylic acids. 2,610,196, Sept. 9.
Fisher, Charles J., Wescosville, Pa. Impact tool with resilient striking surface. 2,592,883, Apr. 15.
Fisher, Donald H., assignor to Pye Limited, Cambridge, England. Electronic apparatus. 2,597,310, May 20.
Fisher, Edith M., Toledo, Ohio. Shoe supporting device for furniture. 2,613,735, Oct. 14.
Fisher, Edward C.: *See*—
Walters, John F., and Fisher.
Fisher, Edward I.: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.
Fisher, Edward J., Battle Creek, Mich. Electric service rack, particularly for low buildings. 2,618,683, Nov. 18.
Fisher, Foster, Providence, R. I. Feather plucking apparatus. 2,587,453, Feb. 26.
Fisher, Foster, Providence, R. I., assignor of one-half to B. E. Kinne, Rehoboth, Mass. Machine for plucking feathers. 2,599,621, June 10.

Fisher, Foster, Providence, R. I., assignor of one-half to B. E. Kinne, Rehoboth, Mass. Plucking machine. 2,607,071, Aug. 19.
Fisher, Foster, Providence, R. I., assignor of one-half to B. E. Kinne, Rehoboth, Mass. Device for plucking feathers from birds. 2,618,811, Nov. 25.
Fisher, Frank, Watsonville, assignor of forty-nine per cent to W. C. Barry, Soledad, Calif. Safety guard for vehicles. 2,606,785, Aug. 12.
Fisher, Frederick F., Cranston, R. I. Foot support. 2,601,509, June 24.
Fisher, George A.: *See*—
Scull, William S. 2nd, and Fisher.
Fisher Governor Company, assignee: *See*—
Brockett, Glenn F.
Gaffney, Donald J.
Johnson, Cecil M.
Roberts, Bob R.
Fisher, Hardin Y.: *See*—
Soreng, Edgar M., Fisher, and Johnson.
Fisher, Harold G., San Diego, Calif., assignor to Radio Corporation of America. Stabilized oscillator. 2,584,796, Feb. 5.
Fisher, Harold R.: *See*—
Sullivan, Cornelius J., and Fisher.
Fisher, Harold R., Metuchen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Thermochemically cutting ferrous metal. 2,583,045, Jan. 22.
Fisher, Harry C.: *See*—
Sooy, Brainard E., and Fisher.
Fisher, Henry B.: *See*—
Lea, Peggy J., and Fisher.
Fisher, Henry P., Chicago, Ill. Railway car wheel flange oiler. 2,614,661, Oct. 21.
Fisher, Herman G.: *See*—
Doe, Walter P., Sly, and Fisher.
Fisher, Ivan K.: *See*—
Richardson, Arthur B. F. G., Tunnicliff, and Fisher.
Fisher, Jacob I., and G. C. Borden, Jr., Easton, Pa., assignors to Riegel Paper Corporation, New York, N. Y. Laminating glassine paper. 2,610,939, Sept. 16.
Fisher, James L., Tulsa, Okla., assignor to Century Geophysical Corporation. Liquid damped galvanometer. 2,596,019, May 6.
Fisher, James W.: *See*—
Groombridge, Walter H., Bates, and Fisher.
Kleinschrod, Friedrich G., and Fisher.
Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of synthetic resins. 2,597,467, May 20.
Fisher, James W., Spondon, near Derby, and J. Lincoln, London, England, assignors to Celanese Corporation of America. Production of trans-quinitol/succinic acid polyesters. 2,621,167, Dec. 9.
Fisher, John H., Quebec, Quebec, and B. R. Mead, Saint Catharines, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Pulping lignocellulose with sodium aluminate. 2,601,110, June 17.
Fisher, John R., Jr., Dayton, assignor to International Steel Wool Corporation, Springfield, Ohio. Impregnated cleaning pad and impregnating same. 2,621,355, Dec. 16.
Fisher, John T., Mansfield, Ohio. Mechanical interlocking mechanism for switches. 2,593,288, Apr. 15.
Fisher, John V., San Francisco, Calif. Portable display carton. 2,611,527, Sept. 23.
Fisher, Kenneth W., and H. Heltzer, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,592,882, Apr. 15.
Fisher, Leonard E., Dayton, Ohio. Convertible vehicle. 2,582,687, Jan. 15.
Fisher & Ludlow Limited, assignee: *See*—
Maddock-Clegg, Lawrence H., and Penzig.
Orwin, Olaf J. B.
Fisher, Marcus C., assignor to Bendix Aviation Corporation, South Bend, Ind. Mechanism for assembling annular members. 2,601,603, June 24.
Fisher, Martin H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core type reel drive. 2,611,114, Sept. 16.
Fisher, Marvin, assignor to Threadrite Corporation, Hollywood, Calif. Needle threader. 2,623,608, Dec. 30.
Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Dielectric wave guide system. 2,610,249, Sept. 9.
Fisher, Norbourne W., Marianna, Ark. Fishing float and reel. 2,601,736, July 1.
Fisher, Norman G.: *See*—
Alhisetti, Charles J., Jr., and Fisher.
Fisher-Price Toys, Inc., assignee: *See*—
Doe, Walter P., Sly, and Fisher.
Fisher, Richard T., Hingham, Mass., assignor to Sigma Instruments, Incorporated. Polarized electromagnetic device. 2,612,544, Sept. 30.
Fisher, Rodney E., assignee: *See*—
Dreese, George A.
Fisher Scientific Company, assignee: *See*—
Todd, Floyd.
Fisher, Stephen, Ecorse, Mich. Center gauge. 2,599,819, June 10.
Fisher, Thomas W.: *See*—
Prior, Hector T., and Fisher.
Fisher, Thomas W. C., Rugby, England, assignor to General Electric Company. Magnetron. 2,617,967, Nov. 11.
Fisher, Vernard P., and L. H. Poole, Tuscaloosa, Ala. Saw-tooth conditioning device. 2,594,413, Apr. 29.
Fishlove, H., & Co., assignee: *See*—
Glass, Marvin I., and Ehemann.
Fisk, Charles F.: *See*—
Lewis, Arthur P., and Fisk.
Fisk, Charles F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Heat-curable mixtures of butadiene-acrylonitrile copolymers and phenol-aldehyde resins and making. 2,605,248, July 29.
Fisk, Ernest T., London, and A. Wood, Cambridge, assignors to Electric & Musical Industries Limited, Hayes, England. Wall with sound absorbing material positioned behind an array of sound reflectors. 2,584,797, Feb. 5.
Fisk, James B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupled cavity resonator. 2,595,652, May 6.
Fisk, James C., Flint, Mich. Distributor contact point gauge. 2,583,936, Jan. 29.
Fisk, John D., assignee: *See*—
Wilson, Arthur O.
Fiske, Augustus H., Jr., and G. E. Ledges, Schenectady, N. Y., assignors to General Electric Company. Crystal pressure gauge. 2,587,304, Feb. 26.
Fiske, Milan D., Ballston Lake, N. Y., assignor to General Electric Company. Broad band electrical discharge device. 2,587,305, Feb. 26.
Fitch, Albert R., assignor to Marcus Breier Sons, Inc., Amsterdam, N. Y. Garment construction. 2,594,259, Apr. 22.
Fitch, B. F., assignee: *See*—
Norbom, Ragnar A.
Fitch, Clifford E., Crete, Ill. Impact wrench. 2,600,495, June 17.
Fitch, Edmund L., assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Single acting pump. 2,604,054, July 22.
Fitch, Edward W., Poland, Ohio, assignor to Bailey Meter Company. Fluid pressure relay. 2,586,637, Feb. 19.
Fitch, Harold L., assignor to Eastman Kodak Company, Rochester, N. Y. Film hanger. 2,611,300, Sept. 23.
Fitch, Harold L., and S. L. Scudder, assignors to Eastman Kodak Company, Rochester, N. Y. Machine for applying treatment solution over limited areas of motion-picture film. 2,588,973, Mar. 11.
Fitch, Henry M., Seattle, Wash. Liquid level control equipment. 2,608,609, Aug. 26.
Fitchett, Carlton B., assignee: *See*—
Hopp, Robert E.
Fitt, Thomas C., Birmingham, England. Ventilating device and like air supply and distributing device. 2,618,215, Nov. 18.
Fitter, Charles F., Jr.: *See*—
Newcomb, Walter C., and Fitter.
Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Electromagnetic system. 2,584,856, Feb. 5.
Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Grill structure. 2,591,346, Apr. 1.
Fitzgerald, Bloyce D., assignor to O. A. Brown, Whittier, Calif. Apparatus for ultrasonic treatment of liquids. 2,585,103, Feb. 12.
Fitzgerald, Frank R., El Monte, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,609,183, Sept. 2.
Fitzgerald, Frank W., Sr., assignee: *See*—
Brewster, Albert.
Fitz Gerald, Harold G., Los Angeles, Calif. Attachment for opaque projection by transparency projectors. 2,596,393, May 13.
Fitz Gerald, Harold G., Los Angeles, Calif. Opaque projector with light hood. 2,596,394, May 13.
Fitzgerald, James F., Detroit, Mich. Fish lure. 2,597,982, May 27.
Fitzgerald, Paul H., assignor of five-twelfths to H. J. Stoner, Rockford, Ill. Vacuum controlled air vent. 2,585,236, Feb. 12.
Fitzgerald, Reginald P., assignor to Pneumatic Drop Hammer Company, Braintree, Mass. Pneumatic drop hammer. 2,612,868, Oct. 7.
Fitz Gerald, William P.: *See*—
Banes, Fred W., Fitz Gerald, and Nelson.
Fitz Gibbon, Ethel I., Pontiac, Mich. Curtain and making the same. 2,596,395, May 13.
Fitzgibbons, John A., Azusa, Calif. Progressive liquid apparatus. 2,604,899, July 29.
Fitzpatrick, Earl A., Northville, Mich. Plant protector. 2,618,102, Nov. 18.
Fitzpatrick, Frank L., East Malvern, assignor to Rocla Limited, Springvale, Victoria, Australia. Prestressing reinforced concrete pipes. 2,582,751, Jan. 15.
Fitzpatrick, John T.: *See*—
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.
Young, Frank G., and Fitzpatrick.
Fitzpatrick, Karl W.: *See*—
Aske, Irving E., and Fitzpatrick.
Fitzpatrick, W. J., Company, assignee: *See*—
Fitzpatrick, William J.
Magnus, Elmer G.

Fitzpatrick, William J., assignor to W. J. Fitzpatrick Company, Chicago, Ill. Slitting machine. 2,607,380, Aug. 19.

Fitzsimmons, Edna M., executrix: *See*—
Fitzsimmons, John T.
Short, Brooks H., and Fitzsimmons.

Fitzsimmons, John T.: *See*—
Short, Brooks H., and Fitzsimmons.

Fitzsimmons, John T., deceased, late of Anderson, Ind., by Edna M. Fitzsimmons, executrix, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition apparatus. 2,610,264, Sept. 9.

Fitzsimmons, William J., Chicago, Ill. Journal lubricator. 2,599,246, June 3.

Fitzwater, David W., Pontiac, Mich. Floating cultivator. 2,593,289, Apr. 15.

Fixiture Hardware Corporation, The, assignee: *See*—
Kell, Henry P.

Fjermestad, Odd, Brooklyn, N. Y. Electric iron holder. 2,585,758, Feb. 12.

Fladmark, Morten, Oslo, Norway. Manufacture of oil and food products from herring, whales and other sea animals. 2,590,303, Mar. 25.

Fladmark, Morten, Oslo, Norway. Process for the utilization of glue water from herring oil and fish meal factories, whale stations and the like. 2,623,298, Dec. 30.

Flaherty, Edward J., Muskogee, Okla. Condiment dispenser. 2,618,411, Nov. 18.

Flaherty, John T., White Plains, N. Y. Screening for vehicles. 2,595,833, May 6.

Flahive, Thomas J., assignor of thirty per cent to J. Karwacki, Chicago, Ill. Self-adjusting bookholder. 2,598,368, May 27.

Flakice Corporation, assignee: *See*—
Field, Crosby.
Field, Crosby, and Stover.
Grandia, William M.
Walsh, Edward C.

Flam, August, executor: *See*—
Flam, Stephen.

Flam, John, executor: *See*—
Flam, Stephen.

Flam, Joseph, executor: *See*—
Flam, Stephen.

Flam, Stephen, deceased, Sherman Oaks, Calif.; John, Joseph, and A. Flam, executors. Molding apparatus. 2,594,760, Apr. 29.

Flamand, Maurice R.: *See*—
Budzyna, Walter J., and Flamand.

Flamand, Maurice R., Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass. Filling carrier for shuttleless looms. 2,586,638, Feb. 19.

Flament, Maurice, Lille, France. Expanding folder and manufacturing same. 2,610,868, Sept. 16.

Flamm, Alexander L., Bridgeport, Conn., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Gas fueled lighter mechanism. 2,612,033, Sept. 30.

Flamme, Léon R.: *See*—
Ferrero, Paul, Berbé, and Flamme.

Flanagan, John V., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile polymer dissolved in a dicarboxylic acid anhydride. 2,607,751, Aug. 19.

Flanagan, Robert M., Morris Plains, assignor to Bendix Aviation Corporation, Teterboro, N. J. Rotary valve. 2,604,904, July 29.

Flanagan, William F., assignor to New Wrinkle, Inc., Dayton, Ohio. Apparatus for producing wrinkle texture on nonwrinkling films. 2,613,393, Oct. 14.

Flannagan, Gordon N., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning apparatus and method. 2,615,198, Oct. 28.

Flannery Bolt Company, assignee: *See*—
Greenslade, Grover R.

Flannery, James N.: *See*—
Armitage, Joseph B., Flannery, and Lukey.

Flarity, Warren H., Washington, D. C. Switching system for high-power radio-frequency energy. 2,592,551, Apr. 15.

Flateboe, Einar I., Everett, Wash. Rechipper with vibrating trough. 2,582,537, Jan. 15.

Flavin, Charles T.: *See*—
Clark, James R., and Flavin.

Flax, Valer, Vic-Fezensac, Gers, France. Inking ribbon for typewriters and the like. 2,581,585, Jan. 8.

Fleck, George J.: *See*—
Hubacker, Earl F., and Fleck.

Fleck, Raymond N., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Heteropoly acids or salts thereof as catalysts. 2,608,534, Aug. 26.

Fleck, Otto J.: *See*—
Ernst, Walter, and Fleck.

Fleenor, Ray W., Cass City, Mich. Rifle safety attachment. 2,595,834, May 6.

Fleer, Frank H., Corporation, assignee: *See*—
Mahle, Louis W.

Fleet, Stephen A., Montreal, Quebec, Canada. Flush door. 2,620,521, Dec. 9.

Fleetwood, William J., Los Angeles, Calif. Ellipsograph. 2,607,991, Aug. 26.

Fleischel, Gaston, assignor to Products & Licensing Corporation, New York, N. Y. Planetary gear arrangement. 2,583,556, Jan. 29.

Fleischer, Charles, Miami, Fla. Coin-operated vending compartment. 2,603,332, July 15.

Fleischer, John, Van Dyke, assignor to National Twist Drill & Tool Company, Rochester, Mich. Gun type drill. 2,606,464, Aug. 12.

Fleischer, Kurt W.: *See*—
Hess, Frederic O., and Fleischer.

Fleischer, Max, New York, N. Y. Gravity motor clock. 2,606,611, Aug. 12.

Fleischer-Schmid Corporation, assignee: *See*—
Fleischer, William A.

Fleischer, Svend S. C., Charlottenlund, Denmark. Method to ensure the correct sequence of the threads or groups of threads in thread layers. 2,603,852, July 22.

Fleischer, Svend S. C., Charlottenlund, Denmark. Method of and device for ensuring the proper order of threads isolated from a sheet of warp threads. 2,610,382, Sept. 16.

Fleischer, Svend S. C., Charlottenlund, and C. C. Thomsen, Hellerup, Denmark. Method and apparatus for weaving pile fabrics. 2,623,546, Dec. 30.

Fleischer, William A., Grand Island, assignor to Fleischer-Schmid Corporation, Columbus, Nebr. Resilient support for tractor seats. 2,591,144, Apr. 1.

Fleischhacker, Desider, New York, and N. Barsel, Laurelton, assignors to International Hormones, Inc., Brooklyn, N. Y. Adrenochrome compositions. 2,581,850, Jan. 8.

Fleischmann, Lester K., Chicago, Ill., assignor to Standard Manifold Company. Movable box for stationery. 2,587,827, Mar. 4.

Fleischmann, Lester K., Highland Park, and B. A. Schroeder, Winnetka, Ill., assignors to Standard Manifold Company. Stationery carrier. 2,610,723, Sept. 16.

Fleischmann, Rudolf A. K., Philadelphia, Pa. Testing watt-hour meters. 2,599,378, June 3.

Fleishman, Theodore, Montclair, N. J. Stand lamp with swingable fluorescent lamp structure thereon. 2,618,739, Nov. 18.

Fléklin, Roger F., Nice, France. Apparatus for cultivating plants under shelter in the fields. 2,614,366, Oct. 21.

Fleming, Gertrude M., Ardsley, N. Y., assignor to Farrand Optical Co., Inc. Stereoscopic electron microscope. 2,617,041, Nov. 4.

Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of oxygenated organic compounds. 2,580,750, Jan. 1.

Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of oxygen-containing chemical compounds. 2,586,928, Feb. 26.

Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogenolysis process for the production of lower boiling hydrocarbons from heavy residual oils with reduced formation of coke. 2,619,456, Nov. 25.

Fleming, Harold W., Bartlesville, and J. S. Cromeans, Dewey, Okla., assignors to Phillips Petroleum Company. Separation of oxygenated organic compounds. 2,586,929, Feb. 26.

Fleming, Harold W., Bartlesville, Okla., and A. H. Friedman, Kansas City, Mo., assignors to Phillips Petroleum Company. Treatment of synthetic gasoline. 2,615,036, Oct. 21.

Fleming, Howard M., Jr.: *See*—
Burkhart, William H., and Fleming.

Fleming, John G., Tarrytown, assignor to Cambridge Instrument Company, Inc., New York, N. Y. Apparatus for gas analysis. 2,596,992, May 20.

Fleming, John G., Woodbury, assignor to The Bristol Company, Waterbury, Conn. Apparatus for measuring rate of fluid flow. 2,607,223, Aug. 19.

Fleming, Lawrence, Falls Church, Va. Oscillator. 2,586,803, Feb. 26.

Fleming, Lawrence, Falls Church, Va. Soap dish. 2,606,393, Aug. 12.

Fleming, Lawrence M., Escanaba, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Ball cleaning and polishing apparatus. 2,588,714, Mar. 11.

Fleming, Wilfred, Pontiac, Mich. Plumber's utility chest and pipe bench. 2,610,761, Sept. 16.

Fleming, William E.: *See*—
Oftebro, William S., and Fleming.

Fleming, William M., Nutley, assignor to Eskimo Pie Corporation, Bloomfield, N. J. Container for liquids. 2,583,211, Jan. 22.

Fleming-Williams, Brian C., assignor to A. C. Cossor Limited, London, England. Radar apparatus. 2,622,240, Dec. 16.

Fleming-Williams, Brian C., and J. W. Jenkins, assignors to A. C. Cossor Limited, London, England. Optical comparison projection system. 2,621,555, Dec. 16.

Flemming, Paul S. H., Copenhagen, Denmark. Center punch. 2,595,347, May 6.

Flenner, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of certain salts of alkylene bis-dithiocarbamic acids. 2,609,389, Sept. 2.

Flesch, John E., Los Angeles, Calif., assignor to American Steel Foundries, Chicago, Ill. Spring group assembly. 2,615,709, Oct. 28.

Fletcher, Albert C., assignor to W. H. Stewart, Oklahoma City, Okla. Outside metal blind and operating means therefor. 2,581,321, Jan. 1.

Fletcher, Arthur H., Littleover, F. H. Stark, Chellaston, and R. W. Corbitt, Tunstall, Sittingbourne, and W. Sherlaw, Nottingham, assignors to Rolls-Royce Limited, Derby, England. Heat exchanger. 2,594,761, Apr. 29.

Fletcher, Arthur P.: *See*—
Greig, James W., and Fletcher.

Fletcher Aviation Corporation, assignee: *See*—
Fletcher, Wendell S.

Fletcher, David F., Olyphant, Pa. Plural surface sleeve board. 2,620,578, Dec. 9.

Fletcher, Edward H., Cedar Falls, assignor to Deere Manufacturing Co., Dubuque, Iowa. Dual check valve assembly for hydraulic control systems. 2,606,031, Aug. 5.

Fletcher, Edward H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Controllable stop for regulating strokes of fluid pressure apparatus. Re. 23,537, Aug. 26.

Fletcher, Edward H., Waterloo, and L. D. Ethington, Cedar Falls, assignors to Deere Manufacturing Co., Dubuque, Iowa. Hose coupling. 2,596,020, May 6.

Fletcher, Edward H., Cedar Falls, P. L. Hanson, and T. Nakae, Waterloo, assignors to Deere Manufacturing Co., Dubuque, Iowa. Variable position control for hydraulic servomotors. 2,615,430, Oct. 28.

Fletcher, H. E., Company, assignee: *See*—
Melendy, Norman G.

Fletcher, Herbert J.: *See*—
Hunter, Melvin J., and Fletcher.

Fletcher, Herbert J., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Lubricant consisting of copolymeric siloxanes substituted with methyl, phenyl, and halogenated-aryl radicals. 2,599,984, June 10.

Fletcher, Horace G., Dallas, Tex. Concrete troweling machine and attachment therefor. 2,621,568, Dec. 16.

Fletcher, Irby R., Sr., Opa-locka, Fla. Brake pedal extension for motor vehicles. 2,609,705, Sept. 9.

Fletcher, James: *See*—
Kerr, Howard J., Fletcher, Kooistra, and Watts.

Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Atomizer. 2,613,112, Oct. 7.

Fletcher, James, B. H. Miller, and E. H. Selnick, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Closure means for chamber wall opening with fluid pressure gas escape prevention means. 2,622,549, Dec. 23.

Fletcher, John H.: *See*—
Nolan, Kenneth G., and Fletcher.

Fletcher, Kenneth A., Seven Kings, assignor to J. Burns Limited, Shadwell Heath, England. Signaling on railways. 2,609,488, Sept. 2.

Fletcher, Lynn: *See*—
Winks, John L., and Fletcher.

Fletcher, Milton, New York, N. Y. Adjustable swinging arm unit for reading lamps. 2,621,882, Dec. 16.

Fletcher, Norman, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic cleaner for Axminster loom nose boards. 2,622,626, Dec. 23.

Fletcher, Norman, Worcester, and W. Y. Robb, Whitinsville, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Selvage shuttle operating mechanism for looms. 2,587,454, Feb. 26.

Fletcher, Ralph A., Westford, Mass. Pallet structure. 2,605,070, July 29.

Fletcher-Terry Company, The, assignee: *See*—
Judd, Chester K., Jr.

Fletcher Trust Company, trustee, assignee: *See*—
McCormick, Hamilton L.

Fletcher, Walter: *See*—
Bateman, Edgar W., and Fletcher.

Fletcher, Wendell S., South Pasadena, assignor to Fletcher Aviation Corporation, Pasadena, Calif. Streamlined auxiliary fuel tank. 2,596,139, May 13.

Fletcher, William A.: *See*—
Nichols, Charles A., Bower, Weiser, Edwards, Fletcher, McCoy, and Sample.

Fletcher, William A., Daleville, Ind., assignor to General Motors Corporation, Detroit, Mich. Dashpot for servomotors. 2,580,751, Jan. 1.

Fletcher, William P., assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Arranging device for flat articles. 2,596,228, May 13.

Fletchner, Katherine, Naperville, Ill. Protective wrapper for fragile ware. 2,605,803, Aug. 5.

Fleuriot, Robert G.: *See*—
Tandler, William S., Fleuriot, and Peck.

Fleury, Jack E.: *See*—
Dillman, Earnest J., and Fleury.

Flewelling, Robert W., Tacoma, Wash. Belt type spinning reel. 2,615,649, Oct. 28.

Flexible Company, The, assignee: *See*—
Burnett, Elton L.

Flexible Road Joint Machine Company, assignee: *See*—
Carnes, Fred D.

Flexible Tubing Corporation, The, assignee: *See*—
Daggett, Frederick K.

Flexibox Limited, assignee: *See*—
Porges, Frederick B.

Flexico (U. S. A.) S. A., assignee: *See*—
Madsen, Borge.

Flexicore Co., Inc., The, assignee: *See*—
Price, Gayle B.

Flexiform Construction Company, Inc., assignee: *See*—
Fontaine, Lamar.

Flex-O-Glass, Inc., assignee: *See*—
Harter, Clair.
Warp, Harold.

Flexser, Leo A., Upper Montclair, and W. G. Farkas, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Phosphorylation of dihydro-riboflavin. 2,604,470, July 22.

Flexser, Leo A., Upper Montclair, and W. G. Farkas, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of riboflavin phosphate intermediates. 2,610,176, Sept. 9.

Flexser, Leo A., Upper Montclair, and W. G. Farkas, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Riboflavin monophosphoric acid ester salts and preparation. 2,610,177, Sept. 9.

Flexser, Leo A., Upper Montclair, and W. G. Farkas, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Producing riboflavyl phosphates. 2,610,178, Sept. 9.

Flexser, Leo A., Upper Montclair, and W. G. Farkas, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Phosphorylation of riboflavin. 2,610,179, Sept. 9.

Flexsleev, Inc., assignee: *See*—
Clyne, Joseph.

Flexsteel Spring Corporation, assignee: *See*—
Crahan, Jack B.

Fleysher, Maurice H., Buffalo, and F. L. Sievenpiper, Alden, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Producing benzanthrone free from anthraquinone impurities. 2,595,348, May 6.

Flick, Francis S., Chicago, Ill., assignor of two-thirds to M. M. Flick and one-third to N. Reedy. Automatic control for machines. 2,594,548, Apr. 29.

Flick, M. M., assignee: *See*—
Flick, Francis S.

Flight Refuelling Limited, assignee: *See*—
Allison, Percy R.
Legge, Charles N., and Manning.

Flinchbaugh, John K., Port Huron, Mich. Cleaning apparatus. 2,619,435, Nov. 25.

Fling, Wentworth D., Port Washington, N. Y., assignor to Fairchild Recording Equipment Corporation. Tape-roll and reel assembly. 2,594,630, Apr. 29.

Flinn, George E.: *See*—
Orr, Palmer, and Flinn.

Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,608,880, Sept. 2.

Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,620,667, Dec. 9.

Flinn, Myron, Las Animas, Colo. Hydraulically actuated carry-type earth scraper. 2,582,978, Jan. 22.

Flint, Clarence M.: *See*—
O'Brien, Brian, Jr., and Flint.

Flint, Erlon W., Mountain View, and A. E. Hague, West Orange, N. J., and A. E. Joel, Jr., New York, and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,588,375, Mar. 11.

Flint, Harry E., Elwood, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Fluted lamp shade construction having unitary fastening and shape-forming rings. 2,608,644, Aug. 26.

Flint, Hyland C., Akron, Ohio. Movably supported spring seat construction. 2,591,347, Apr. 1.

Flint, Hyland C., Akron, Ohio. Spring seat and back. 2,602,487, July 8.

Flint, James A., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Inertia type vibratory pick-up. 2,595,067, Apr. 29.

Flint, James E.: *See*—
Luttringhaus, Hans, Flint, and Arcus.

Flint, Kendall H., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Heat exchanger. 2,613,920, Oct. 14.

Flittner, Arthur E., Arcadia, Calif. Notching tool. 2,619,172, Nov. 25.

Float-Lock Corp., assignee: *See*—
Persson, Henry.

Floeter, Adalene E., administratrix: *See*—
Floeter, Edward J., and Waack.
Waack, Ervin V., and Floeter.

Floeter, Edward J.: *See*—
Waack, Ervin V., and Floeter.

Floeter, Edward J., deceased, and E. V. Waack, Saginaw, Mich.: A. E. Floeter, administratrix of sajd E. J. Floeter. Beet harvester. 2,589,361, Mar. 18.

Flo-Matic Valve Co., assignee: *See*—
Goodroad, Earl and E. E.

Flora, Laurence H.: *See*—
Hartman, Richard A., and Flora.
Tinnerman, George A., and Flora.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Combined nut retainer and thread lock. 2,587,134, Feb. 26.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Clip for attaching trim objects. 2,598,776, June 3.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Adjustable rod joint or the like. 2,620,209, Dec. 2.

Florn, Laurence H., and C. A. Kelley, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Rotary attached fastener for securing objects to panels. 2,596,332, May 13.

Florne, Richard, assignor, by mesne assignments, to Aircall, Inc., New York, N. Y. Radio receiver. 2,619,589, Nov. 25.

Floronday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Window regulator drive mechanism. 2,616,688, Nov. 4.

Florant, Leroy F., Columbus, Ohio. Automatic playing card dealing apparatus. 2,581,247, Jan. 1.

Floren, Axel E., Klamath Falls, Oreg. Hammer having shock-absorbing handle. 2,603,260, July 15.

Florence, Albert N.: *See*—
Walter, Albert H., Florence, and Lendh.

Florence, Noel S., Brooklyn, N. Y. Container for paste, holder therefor, and cooperative combination brush and cover for use therewith. 2,609,562, Sept. 9.

Florence Pipe Foundry & Machine Company, assignee: *See*—
Camerota, Louis A.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.
Schlaf, Joseph W.

Florence, William F., Pasadena, Calif. Indicator for cabinets. 2,586,930, Feb. 26.

Florence, Winston M.: *See*—
Goodhue, Lyle D., and Florence.

Flores, Iris, and J. Kellard, Hollywood, Calif. Brassière. 2,594,549, Apr. 29.

Flores, Manuel G., Mexico City, Mexico. Apparatus and method for molding concrete floor slabs in situ. 2,590,304, Mar. 25.

Flori, Joseph, Vaulx-en-Velin, and I. Thomas, Gauchy, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter, Port of Guernsey, Channel Islands. Steeping press. 2,608,151, Aug. 26.

Florida Fibre Box Company, assignee: *See*—
Donnell, John S.

Florkewicz, John F., Oakland, Calif. Collar point stay. 2,620,481, Dec. 9.

Florman, Irving, New York, N. Y. Cigarette lighter. 2,583,691, Jan. 29.

Florman, Irving, New York, N. Y. Gas controlled pocket lighter. 2,583,692, Jan. 29.

Florman, Irving, New York, N. Y. Closure means for cigarette or cigar lighters. 2,618,953, Nov. 25.

Florman, Irving, New York, N. Y. Cigarette holder with scoop for filter material. 2,619,091, Nov. 25.

Florsheim Shoe Company, The, assignee: *See*—
Hands, Coleman.

Flory, Harold E., West Wickham, England. Steam or air engine of the oscillating cylinder type. 2,603,193, July 15.

Flory, Leslie E.: *See*—
Zworykin, Vladimir K., and Flory.

Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Forming and utilizing electron-beams of noncircular cross section. 2,609,516, Sept. 2.

Flory, Leslie E., and W. S. Pike, Princeton, N. J., assignors to Radio Corporation of America. Apparatus for indicia recognition. 2,615,992, Oct. 28.

Flory, Paul J.: *See*—
Rehner, John, Jr., and Flory.

Flory, Paul J., Ithaca, N. Y., assignor to Wingfoot Corporation, Akron, Ohio. Reaction products of an N-acyl polyimide of a polycarboxylic acid with a polymer containing hydroxy or amino radicals. 2,594,145, Apr. 22.

Flory, Paul J., Ithaca, N. Y., assignor to Wingfoot Corporation, Akron, Ohio. Polymers. 2,615,863, Oct. 28.

Flory, Paul J., Kent, and F. S. Leutner, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Preparing linear polyesters. 2,589,687, Mar. 18.

Flory, Paul J., Kent, and F. S. Leutner, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Preparing linear polyesters. 2,589,688, Mar. 18.

Flory, Paul J., Ithaca, N. Y., and F. S. Leutner, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Preparation of aromatic linear polyesters. 2,594,144, Apr. 22.

Flory, Paul J., Kent, and F. S. Leutner, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Crystalline tetramethylene isophthalate polymer. 2,623,034, Dec. 23.

Flory, Willis D., Decatur, Mich. Grape hoe. 2,601,380, June 24.

Flosdorf, Earl W., Forest Grove, assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Sublimation process and apparatus. 2,602,825, July 8.

Flosdorf, Earl W., Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md. Desiccation of labile aqueous materials. 2,605,554, Aug. 5.

Flosdorf, Earl W., Forest Grove, and L. W. Hull, Huntingdon Valley, assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Sublimation apparatus. 2,608,472, Aug. 26.

Flosdorf, Earl W., Forest Grove, and L. W. Hull, Huntingdon Valley, assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Quick-acting gear actuated pivoted valve. 2,612,338, Sept. 30.

Flosdorf, Earl W., Forest Grove, and E. C. Distler, assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Extractor. 2,619,024, Nov. 25.

Floss, Carl W., Grosse Pointe, and J. K. Gilbert, assignors to Ford Motor Company, Dearborn, Mich. Full flow oil filter. 2,602,547, July 8.

Flounders, Clement G., Philadelphia, Pa. Lock for trolley wheels. 2,581,948, Jan. 8.

Flournoy, Algernon F., Shreveport, La., assignor by decree of distribution to M. T. Flournoy. Curling iron. 2,584,999, Feb. 12.

Flournoy, Margaret T., assignee: *See*—
Flournoy, Algernon F.

Flowers, Henry F., Findlay, Ohio. Tandem wheel truck. 2,602,401, July 8.

Flowers, Henry F., Findlay, Ohio. Cushion coupler for cars. 2,602,553, July 8.

Floyd, Claude C., and J. H. Narron, Arlington, Va. Trimming for license plates. 2,590,763, Mar. 25.

Floyd, Clyde M.: *See*—
Anderson, James A., Jr., Floyd, and Wadley.

Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Synthesis of amino acids. 2,610,212, Sept. 9.

Floyd, Don E., Robbinsdale, Minn., assignor to General Mills, Inc. Disproportionation of rosin acids and fatty acids. 2,617,792, Nov. 11.

Floyd, Manuel R., Lafayette, Ind. Feeder booster. 2,603,144, July 15.

Floyd, Walker, Richmond, Ind. Window frame. 2,614,665, Oct. 21.

Floyd, William, New York, N. Y. Door lock. 2,584,088, Jan. 29.

Fluchaire, Maurice L. A., and G. Collardeau, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Polymerization of vinyl allyl ether. 2,603,628, July 15.

Fluck, Fridolin, assignor of one-half to J. Niedermann, Lucerne, Switzerland. Suction massage device. 2,590,527, Mar. 25.

Fluck, Henry T.: *See*—
McCarthy, James F., and Fluck.

Fluck, Linton A., Pluckemin, and J. E. Lynn, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of wool with acid aminotriazine resin colloids. 2,609,307, Sept. 2.

Flückiger, André, assignor to Fluckiger & Cie, Saint-Imier, Switzerland. Indicia retaining means for timepiece dials. 2,606,418, Aug. 12.

Fluckiger & Cie, assignee: *See*—
Flückiger, André.

Flude, John W., Houston, Tex. Enclosed kite-type detector carrier. 2,580,537, Jan. 1.

Fluke, John M., U. S. Navy. System for measuring electrical quantities. 2,586,804, Feb. 26.

Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Making universal joints. 2,618,049, Nov. 18.

Fluor Corporation, Ltd., The, assignee: *See*—
Bechtold, Ira C., Stephens, and Newman.
Dieter, George H.
Frazier, Henry D.
Frazier, Henry D., and Riesenfeld.
Nevins, Samuel L., and Gillam.
Riesenfeld, Fred C., and Frazier.
Stephens, Foster M.
Thomson, Thomas B., and Curtis.

Fluorescent Electric Manufacturing Company, The, assignee: *See*—
Roberts, Earl T.

Fluty, John L., Visalia, Calif. Gun sight. 2,600,985, June 17.

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Air bleed system for hydraulic table reciprocating mechanism. 2,596,475, May 13.

Flygare, Carl G., and R. D. Ellison, assignors to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,611,356, Sept. 23.

Flynn, Alfred A., Cleveland Heights, assignor to Mueller Electric Company, Cleveland, Ohio. Clamp support for standoff insulators. 2,593,130, Apr. 15.

Flynn, John H., New Rochelle, N. Y. Dual pressure gas burner. 2,596,229, May 13.

Flynn, John H., New Rochelle, N. Y. Ribbon-type gas burner. 2,600,160, June 10.

Flynn, Leonard J., Salina, Kans. Snow melter and vaporizer. 2,599,098, June 3.

Flynn, Richard L., assignee: *See*—
Kogl, Frank.

Flynn, Ruby S. M., assignee: *See*—
Kogl, Frank.

Flynn, Theodore P., Portland, Oreg., assignor to Isaacson Iron Works, Seattle, Wash. Trenching plow. 2,582,538, Jan. 15.

Fockler, Theodore C.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.

Fockler, William G., Packanack Lake, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray oscillograph circuit. 2,620,455, Dec. 2.

Fodermaier, John J., Jr., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Collapsible top. 2,592,512, Apr. 8.

Fodor, Ferenz H., assignor to Filmtone, Inc., Los Angeles, Calif. Sound reproduction apparatus. 2,623,953, Dec. 30.

Fodor, Nicholas, Wilmette, Ill. Multiple unit fuel injection pump. 2,593,550, Apr. 22.

Fodor, Nicholas, Wilmette, Ill. Fuel injection pump. 2,593,551, Apr. 22.

Fog, Ivar K., King Township, Ontario, Canada, assignor to Sangamo Electric Company, Springfield, Ill. Unidirectional gear train. 2,587,986, Mar. 4.

Fogarty, Edward J.: *See*—
Davis, Richard C., Fogarty, and Rippere.

Fogel, Samuel, Montreal, Quebec, Canada. Windowed display container with article supporting platform. 2,587,828, Mar. 4.

Fogelholm, Karl-Gustaf B., administrator: *See*—
Sevón, Johan W., and Sundman.

Fogerite, Theresa, assignee: *See*—
McEnroe, William J., Jr.

Fogle, Marlin E., West Orange, N. J. Exposure meter. 2,584,440, Feb. 5.

Fohl, Harold J.: *See*—
Pharris, John A., Fohl, and Touchett.

Folda, Bert, Jr.: *See*—
Watts, Euclid V., and Folda.

Foley, Gerard M., North Hills, and R. H. Cherry, Glenside, assignors to Leeds and Northrup Company, Philadelphia, Pa. Paramagnetic gas analyzer. 2,603,964, July 22.

Foley, John W., assignor to International Shoe Company, St. Louis, Mo. Securing a navy type backstrap to a navy type low shoe. 2,607,060, Aug. 19.

Foley, Hanceal W., Toledo, assignor to Gendron Wheel Company, Perrysburg, Ohio. Braking device for wheel chairs. 2,599,051, June 3.

Foley, Herbert W., Kenilworth, Ill. Portable broiler. 2,600,234, June 10.

Foley, Jerald E.: *See*—
McFarland, Forest R., Misch, and Foley.

Foley, Lawrence F. G., London, England. Sheathed knife or like implement. 2,591,655, Apr. 1.

Foley Manufacturing Company, assignee: *See*—
Barbery, Lucille M.

Foley, Margaret, Elmhurst, N. Y. Double type of high chair. 2,604,929, July 29.

Foley, Raymond B., assignor to American Blower Corporation, Dearborn, Mich. Dust collector. 2,582,423, Jan. 15.

Folke, Bengt E., deceased, by B. Folke, administratrix, Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Water gauge. 2,585,104, Feb. 12.

Folke, Bernice, administratrix: *See*—
Folke, Bengt E.

Folker, Dewey S., assignee: *See*—
Folker, John M.

Folker, John M., assignor of forty-five per cent to D. S. Folker, Cleveland, Ohio. Fishing rod holder. 2,599,099, June 3.

Folkers, Karl: *See*—
Holly, Frederick W., Shunk, and Folkers.
Kaczka, Edward A., and Folkers.
Koniuszy, Frank R., Brink, and Folkers.

Folkins, Hillis O., Crystal Lake, and E. Miller, Evanston, Ill., assignors, by mesne assignments, to Food Machinery and Chemical Corporation, New York, N. Y. Preparation of carbon disulfide. 2,616,793, Nov. 4.

Folkman, Marvin L., Shaker Heights, Ohio. Aerosol dispenser and penetrable cartridge therefor. 2,593,552, Apr. 22.

Follett, Archie E.: *See*—
Fryling, Charles F., and Follett.

Follett, Robert P., Needham, and W. J. Murray, Dedham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Preparing chrome tanning material. 2,580,417, Jan. 1.

Folli, Arthur J., Chicago, Ill. Service dish for fruit. 2,582,245, Jan. 15.

Follsalm-Wycliffe Foundries, Limited, assignee: *See*—
Pratt, John W.

Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 2,592,673, Apr. 15.

Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Insulated tank car. 2,595,835, May 6.

Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Resilient seal safety valve. 2,599,622, June 10.

Folmsbee, Clyde H., Bloomsburg, and J. M. Martis, Wilkes-Barre, Pa., assignors to American Car and Foundry Company, New York, N. Y. Dual safety valve assembly. 2,608,992, Sept. 2.

Folsom, Ralph L., Salt Lake City, Utah, assignor to Austenal Laboratories, Incorporated, New York, N. Y. Artificial tooth. 2,620,562, Dec. 9.

Folsom, Stanley R.: *See*—
Chatfield, Franklin, and Folsom.

Folsom, Theodore R., San Diego, Calif. Freezing and drying liquids and semisolids. 2,616,604, Nov. 4.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with vinyl chloride. 2,615,869, Oct. 28.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with vinylidene chloride. 2,615,870, Oct. 28.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with alkyl methacrylates. 2,615,871, Oct. 28.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with 2-mono-halogenated monoolefins. 2,615,877, Oct. 28.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with 1,2-dihalo ethylenes. 2,615,878, Oct. 28.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with alkyl acrylates. 2,615,880, Oct. 28.

Folt, Vernon L., Akron, and H. Gilbert, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with alpha-substituted esters of acrylic acid. 2,615,879, Oct. 28.

Foltz, Ermald N.: *See*—
Ahlstrom, Harvey D., and Foltz.

Folzenlogen, Robert G.: *See*—
Lange, Willy, and Folzenlogen.

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Halophosphate phosphors. 2,592,261, Apr. 8.

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Cadmium phosphate phosphors. 2,605,227, July 29.

Fon Dersmith, Charles R.: *See*—
Reinartz, Leo F., and Fon Dersmith.

Fonken, William A., Seattle, Wash. Shuffling decks of playing cards. 2,615,719, Oct. 28.

Fonken, William A., and E. Auer, assignors to Smith Cannery Machines Company, Seattle, Wash. Fish processing apparatus. 2,584,567, Feb. 5.

Fonofilm Industri A/S, assignee: *See*—
Arentzen, Holger C.

Fonseca, Evelyn C. M. D., and S. Green, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Ammunition supply system for automatic firearms. 2,610,549, Sept. 16.

Fontaine, Alvin J. W., North Wilbraham, Mass. Vacuum cleaner dolly. 2,607,945, Aug. 26.

Fontaine, Emile A., Gethsemane, Ky., assignor to Eastman Kodak Company, Rochester, N. Y. Optical aligner. 2,588,974, Mar. 11.

Fontaine, Lamar, Danville, assignor to Flexiform Construction Company, Inc., Lafayette, Calif. Concrete form. 2,620,542, Dec. 9.

Fontaine, Raymond L., Sacramento, Calif. Garage door. 2,597,786, May 20.

Fontein, Freerk J., assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Separation of solid substances of different specific gravity and grain size. 2,590,691, Mar. 25.

Fontein, Freerk J., assignor to Maatschappij voor Kolenbewerking Stamicarbon N. V., Heerlen, Netherlands. System of separation. 2,623,637, Dec. 30.

Fontneau, Earle N., South Yarmouth, Mass. Cigarette extinguisher. 2,619,093, Nov. 25.

Food Engineering Corporation, assignee: *See*—
Brous, Donald W.

Food Machinery and Chemical Corporation, assignee: *See*—
Adams, William J., Jr., and Fischer.
Arengo-Jones, Rhys W.
Bordenca, Carl, and Lazier.
Boyce, John.
Carr, James P.
Carrigan, Tracy.
Cassil, Carroll C., and Yaffe.
Chater, John A.
Coons, Burton C.
Daugherty, George W.
De Back, William, Puccinelli, and McCloud.
Folkins, Hillis O., and Miller.
Grant, Robert S.
Haines, George S., and Heindel.
Halt, James M.
Heard, Reginald H.
Holmes, Herbert G.
Keesling, Thomas B.
Krueger, Frank W.
Malin, Ralph D., and Stockdale.
Martin, James M.
Mumma, Harold J.
Nelson, Victor.
Peck, Albert C., and Thompson.
Pianfetti, John A., and Porter.
Pianfetti, John A., Seaton, and Williams.
Pianfetti, John A., and Timmerman.
Pipkin, Wilbur A., and Smith.
Plueddemann, Edwin P.
Smith, Marion O., and Elsheimer.
Stillwell, Glenn E.

Food Machinery and Chemical Corporation, assignee: *See*— Continued.
Thompson, Albert R.
Verrinder, Ernest A.
Verrinder, Ernest A., and Heard.
Webb, Wells A.
Whitmore, Robert A., and Hickey.
Woodward, Teynham, and Melhase.
Zettlemoyer, Albert C., Walker, and Riley.
Zettlemoyer, Albert C., Walker and Stump.
Food Research Laboratories, Inc., assignee: *See*—
Winsten, Walter A.
Foote, Alton G., Wickliffe, Ohio, assignor to General Electric Company. Electric device continuity tester. 2,586,319, Feb. 19.
Foote Bros. Gear & Machine Corporation, assignee: *See*—
Anderson, Rexford O.
Lyman, Kenneth E.
Mackmann, Arthur, and Nelsen.
Nelson, Bertel S.
Foote, Herbert E.: *See*—
Johnston, William R., and Foote.
Foote, James L.: *See*—
Pneuman, James L., and Foote.
Foote, Lawrence R., and W. L. O. Graves, Schenectady, N. Y., assignors to General Electric Company. Indicating system. 2,614,160, Oct. 14.
Foote Mineral Company, assignee: *See*—
Donahey, John W.
Scheer, Charles L.
Footer, Jerome, Washington, D. C. Dental floss. 2,612,177, Sept. 30.
Forbas, Gilbert R., Detroit, Mich. Wheel chock for wheeled vehicles. 2,623,759, Dec. 30.
Forbes, Arthur N.: *See*—
Forbes, Henry L. and A. N.
Forbes, Charles J., Terre Haute, Ind. Cutting chain structure. 2,581,586, Jan. 8.
Forbes, Charles O., Bremerton, Wash. Tamale mold. 2,619,050, Nov. 25.
Forbes, Duncan P., assignor to Gunite Foundries Corporation, Rockford, Ill. Brake mechanism. 2,599,247, June 3.
Forbes, Duncan P., and S. A. Malthaner, assignors to Gunite Foundries Corporation, Rockford, Ill. Dual wheel single rim adapter. 2,599,248, June 3.
Forbes, Gordon B., Jr., assignor, by mesne assignments, to Benner-Nawman, Inc., Oakland, Calif. Automatic stacking, counting, and transferring apparatus. 2,606,483, Aug. 12.
Forbes, Gordon D., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse narrowing circuit. 2,605,409, July 29.
Forbes, Henry L. and A. N., Clutton, England. Apparatus for the preliminary rearing of livestock. 2,604,874, July 29.
Forbes, James E., U. S. Navy. Indicating instrument. 2,608,948, Sept. 2.
Forbes Lithograph Manufacturing Company, assignee: *See*—
Hoy, Edward W.
Forbes, Spencer D., Seattle, Wash. Ink fountain agitator. 2,613,601, Oct. 14.
Forbush, Augustus D., Pueblo, Colo. Tire repair method. 2,620,852, Dec. 9.
Forcey, George W.: *See*—
Cherepow, Frederic H., and Forcey.
Forcey, Marion B., Wausau, Wis. Hair curler. 2,619,095, Nov. 25.
Ford Bacon & Davis, Inc., assignee: *See*—
Johnson, Ogden.
Ford, Barton H., E. J., and M. J., Omaha, Nebr. Closure means for grain car doorways. 2,599,443, June 3.
Ford, Byron E., administrator: *See*—
Lattig, Charles I.
Ford, De Graffenried G., Scarsdale, N. Y. Frame member locating device. 2,584,263, Feb. 5.
Ford, Edwin J.: *See*—
Ford, Barton H., E. J., and M. J.
Ford, Francis H., Toledo, Ohio. Baby walker. 2,620,017, Dec. 2.
Ford, Frank R., Limited, assignee: *See*—
Ford, Ronald M., and Butler.
Ford, Ronald M., and Crane.
Ford, Frank R., Birmingham, England. Sheet receiver for duplicating machines. 2,615,714, Oct. 28.
Ford, Geoffrey E., Bow, London, assignor to Fords (Finsbury) Limited, London, England. Bottle capping machine. 2,599,820, June 10.
Ford, George A., San Fernando, Trinidad, British West Indies, assignor to United States Steel Company. Wire line stuffing box. 2,606,746, Aug. 12.
Ford, George C., San Marino, assignor to Joyce, Inc., Pasadena, Calif. Making midsole-outsole assemblies for shoes. 2,581,524, Jan. 8.
Ford, George E., Brighton, assignor to Qualitrol Corporation, East Rochester, N. Y. Alarm gauge. 2,620,412, Dec. 2.
Ford, George F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Lubricating grease. 2,619,461, Nov. 25.
Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making core and coil assemblies. 2,586,320, Feb. 19.
Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Packing composition. 2,605,245, July 29.
Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bonded magnetic core and producing it. 2,623,920, Dec. 30.
Ford, John R., assignee: *See*—
Russell, William P.
Ford, Lloyd J., Baton Rouge, La., assignor to Standard Oil Development Company. Contacting tower construction. 2,582,688, Jan. 15.
Ford, Michael J.: *See*—
Ford, Barton H., E. J., and M. J.
Ford, Richard V.
Ford Motor Company, assignee: *See*—
Block, Harold L., and Smith.
Bywater, James E., and Hale.
Farkas, Eugene J., and Swift.
Floss, Carl W., and Gilbert.
Gassett, William O.
Groven, Fredrick J.
Hawver, Roy, and Velten.
Haynes, Alex L.
Jeter, Edgar C., Murie, and Pascoe.
Joyce, Harold V.
Klemach, Fred A.
Kohr, Robert F.
Levell, James T.
MacPherson, Earle S.
Maguire, Robert H.
Oster, Thomas H.
Pascoe, George.
Pleasance, Edwin.
Scott, Edwin D.
Skay, Frank.
Smith, Charles J., and Thoms.
Spurlin, William G., and Brock.
Studnicky, John P., and Rick.
Swift, John F.
Widman, John C., and Schueren.
Wyeth, Nathaniel.
Zoerlein, Emil, Vincent, and Luce.
Ford, Paul J. and W. E., assignors to Product Miniature Company, Milwaukee, Wis. Movable container with telescoping drawer. 2,621,098, Dec. 9.
Ford, Paul T., Dillon, S. C., assignor to Stansbury, Inc., Baltimore, Md. Apparatus for and method of peeling peaches. 2,616,819, Nov. 4.
Ford, Perry T., Columbus, Ohio. Apparatus for venting the interior of rotary driers and mixers. 2,603,005, July 15.
Ford, Raymond G., Marshall, Tex. Apparatus for liquid separation. 2,608,303, Aug. 26.
Ford, Richard V., Haddonfield, N. J., assignor to The Ford Meter Box Company, Inc., Wabash, Ind. Meter box and meter mounting. 2,619,837, Dec. 2.
Ford, Ronald M., Sparkbrook, Birmingham, England. One revolution clutch for machines. 2,586,460, Feb. 19.
Ford, Ronald M., Sparkbrook, Birmingham, England. Secondary feed and moistening device for hectograph duplicating machines. 2,587,455, Feb. 26.
Ford, Ronald M., Birmingham, England. Bed and platen duplicating machine. 2,589,789, Mar. 18.
Ford, Ronald M., Sparkbrook, Birmingham, England. Secondary feed and moistening device for hectograph duplicating machine. 2,589,790, Mar. 18.
Ford, Ronald M., Sparkbrook, Birmingham, England. Rotary duplicating machine with multiple feed trays. 2,615,391, Oct. 28.
Ford, Ronald M., and D. P. Crane, Sparkbrook, Birmingham, said Crane assignor to Frank R. Ford Limited, Birmingham, England. Wick moistening means for duplicating machines. 2,586,461, Feb. 19.
Ford, Ronald M., and D. P. Crane, Sparkbrook, Birmingham, said Crane assignor to Frank R. Ford Limited, Birmingham, England. Adjustable definite position clutch operator. 2,594,898, Apr. 29.
Ford, Ronald M., and G. T. Butler; said Butler assignor to Frank R. Ford Limited, Sparkbrook, Birmingham, England. Cylinder check mechanism for duplicating machines. 2,623,459, Dec. 30.
Ford, Thomas A., Mill Creek Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alcohols from carboxylic acids. 2,607,807, Aug. 19.
Ford, Wade O., San Angelo, Tex. Automatic control for swinging doors. 2,601,604, June 24.
Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corp., Allegheny County, Pa. Making fortified cellular glass. 2,596,669, May 13.
Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Cellular glass of increased durability. 2,600,525, June 17.
Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Preparing a cellulated glass body. 2,611,712, Sept. 23.
Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Preparing cellular glass. 2,620,597, Dec. 9.

Ford, William E.: *See*—
Ford, Paul J., and W. E.
Fordeck, William A., Kendallville, assignor to The Magnavox Company, Fort Wayne, Ind. Spindle for phonograph record changers. 2,621,033, Dec. 16.
Fordemwalt, Frederick: *See*—
Borstelmann, Joseph L., and Fordemwalt.
Fordemwalt, Frederick, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Printing paste comprising a vat dye carried in a water-in-oil emulsion, said oil being a liquid hydrocarbon in which an alkyd resin is dissolved. 2,594,899, Apr. 29.
Fordon, Lee A., assignee: *See*—
Ullrich, Fred J.
Fordon, William J., Bronx, assignor to R. Gringer, New York, N. Y. Foldable door supporting clamp. 2,621,687, Dec. 16.
Fordon, William J., Bronx, assignor to R. Gringer, New York, N. Y. Protractor saw. 2,621,689, Dec. 16.
Fords (Finsbury) Limited, assignee: *See*—
Ford, Geoffrey E.
Fordyce, Charles R., and B. E. Gramkee, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate solution and a film formed therefrom. 2,607,704, Aug. 19.
Fordyce, Reid G.: *See*—
Baer, Massimo, and Fordyce.
Foreman, Robert W., and F. H. Guth, assignors to The Standard Oil Company, Cleveland, Ohio. Apparatus for measuring tackiness. 2,601,782, July 1.
Forero, Francisco A., Bogota, Colombia. Liquid level signaling apparatus. 2,588,102, Mar. 4.
Foreshaw-Smith, Rosemary, London, England. Container for cleansing liquids. 2,613,011, Oct. 7.
Foresman, Harry B., Oklahoma City, Okla. Window sash balance. 2,613,093, Oct. 7.
Foresman, Harry B., Oklahoma City, Okla. Weather stripping. 2,613,407, Oct. 14.
Forester, Harold E.: *See*—
Damon, Robert H., Forester, and Sturrock.
Forester, Harold E., assignor to Johnson Fare Box Company, Chicago, Ill. Self-locking cashbox. 2,580,752, Jan. 1.
Forgaard, Harcourt L., Wordsley, near Stourbridge, England. Nut. 2,581,641, Jan. 8.
Forges & Ateliers de Constructions Electriques de Jeumont, assignee: *See*—
Cremer, Michel.
Letrilliart, Pierre, and Galzin.
Thibaudat, Albert.
Forges & Ateliers de Meudon, assignee: *See*—
Dosmond, Pierre R. F.
Forgrove Machinery Company, Limited, The, assignee: *See*—
Russell, Alexander.
Forgue, Stanley V., Cranbury, N. J., assignor to Radio Corporation of America. Color television image tube. 2,590,764, Mar. 25.
Forgue, Stanley V., Cranbury, N. J., assignor to Radio Corporation of America. Color television pickup tube. 2,614,235, Oct. 14.
Forker Corporation, The, assignee: *See*—
Forker, James B.
Forker, James B., Shaker Heights, assignor to The Forker Corporation, Cleveland, Ohio. Beam cutting method. 2,599,324, June 3.
Foris, Julius Z.: *See*—
Beck, George H., and Foris.
Forlin, Joseph E.: *See*—
Zenftman, Henryk, and Forlin.
Forman, Benjamin, North Stelton, N. J. Fluid spraying device. 2,611,645, Sept. 23.
Forman, Benjamin G., assignor to Wilke Research Corporation, Brooklyn, N. Y. Wire insulation stripper. 2,609,716, Sept. 9.
Forman, George, Los Angeles, Calif. Casket transporting and hoisting vehicle. 2,599,052, June 3.
Forman, Julie R., Litchfield, Conn. Collapsible luggage carrier. 2,602,675, July 8.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control apparatus. 2,603,037, July 15.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automotive transmission and control system therefor. 2,620,680, Dec. 9.
Forman, Ralph, Hyattsville, Md., assignor to the United States of America as represented by the Secretary of Commerce. Glass valve. 2,608,996, Sept. 2.
Forman, Sylvan E., Baltimore, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Azeotropic distillation of methanol and acetone with hexane. 2,581,789, Jan. 8.
Formhals, William H.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.
Formica Company, The, assignee: *See*—
Bennett, Rexford P.
Forming Machine Company of America, Inc., The, assignee: *See*—
Simpson, Alvan D.
Formsprag Company, assignee: *See*—
Gruenberg, Ivor J., and Szady.
Fornelius, Henry A. G., Clifton, assignor to one-half to F. E. Benjamin, Rutherford, N. J. Vehicle load binder tension device. 2,623,760, Dec. 30.
Fornet, Marta, Chicago, Ill. Earplug. 2,587,035, Feb. 26.
Forney, Jim C., Chilton, Tex. Cotton chopping and weeding device. 2,581,642, Jan. 8.
Forrer, Anne M. J., window, heir and guardian: *See*—
Bitterli, Emile V., and Forrer.
Forrer, Homer W., Atlanta, Ga., assignor to Atlanta Paper Company. Compartmental folded paperboard carrier with handle. 2,606,711, Aug. 12.
Forrer, Max: *See*—
Bitterli, Emile V., and Forrer.
Forrest, William C., Merchantville, N. J. Toy boat with propelling means. 2,607,160, Aug. 19.
Forrester, Glenn C., Niagara Falls, N. Y. Determining breath alcohol content. 2,591,691, Apr. 8.
Forrester, Herman G., Chattanooga, Tenn. Closed circuit fire and burglar alarm. 2,599,623, June 10.
Forrester, Robert E.: *See*—
Orlin, William J., Heuver, and Forrester.
Forsans, Pierre E. H., Paris, France. Self-adjusting airtight door. 2,606,865, Aug. 12.
Forsberg, George E., Worcester, assignor to Surprenant Mfg. Co., Boston, Mass. Striping machine for electric conductors and the like. 2,592,674, Apr. 15.
Forsberg, George E., Worcester, assignor to Surprenant Mfg. Co., Boston, Mass. Striping machine for strand material. 2,592,675, Apr. 15.
Forsberg, Harold S., assignee: *See*—
Shore, William E.
Forseth, Glenn J.: *See*—
Johnson, Paul H., and Forseth.
Forshay, Edward G., assignee: *See*—
Roberts, Rodney E.
Forss, Ernest H., Rockford, assignor, by mesne assignments, to Skilsaw, Inc., Chicago, Ill. Valve for pneumatic riveting hammers. 2,607,559, Aug. 19.
Forss, Ernest H.: *See*—
Brown, Ellis M., and Forss.
Forss, Fritz V.: *See*—
Brown, Ellis M., and Forss.
Forss, Frithiof P., Aurora, assignor to Skilsaw, Inc., Chicago, Ill. Pneumatic hand tool valve and trigger lock. 2,618,459, Nov. 18.
Forssell, Harry: *See*—
Öfverholm, Håkan, and Forssell.
Forster, Francis G., Ecorse, Mich. Scissor type element for removing dents from body and fender panels. 2,588,509, Mar. 11.
Forster, John O.: *See*—
Cram, Harkness W., and Forster.
Forster, John O., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Thread insert for molded or cast material. 2,581,399, Jan. 8.
Forster, John O., Long Island City, assignor to Heli-Coil Corporation, Queens County, N. Y. Tool for inserting screw thread linings. 2,584,118, Feb. 5.
Forster, John O., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Inserting tool for tangless coils. 2,586,805, Feb. 26.
Forster, John O., assignor, by mesne assignments, to Heli-Coil Corporation, Long Island City, N. Y. Pregauging tool for wire thread inserts. 2,594,900, Apr. 29.
Forster, John O., assignor to Heli-Coil Corporation, Long Island City, N. Y. Axial impact type tang break-off tool. 2,594,901, Apr. 29.
Forster, Leslie G., Ealing, London, England. Machine for cutting lengths from strips of thin material. 2,586,462, Feb. 19.
Forsthoefel, Gregg F., Adrian, and C. H. Newton, assignors to Revco, Inc., Deerfield, Mich. Bottle dispensing apparatus. 2,587,306, Feb. 26.
Forstmann, Walther G. H., Berlin-Tempelhof, G. Hillmann, Tuebingen, Germany, and E. M. H. Radde, New York, N. Y. Recovering valuable components from oil bearing seeds, and products therefrom. 2,615,905, Oct. 28.
Forstmann Woolen Company, assignee: *See*—
Zimmerman, John, Wolf, and Weiner.
Forstner Chain Corporation, assignee: *See*—
Albrecht, Karl.
Gaupp, Kurt.
Forster, John O., assignor to Heli-Coil Corporation, Long Island City, N. Y. Wire coil screw thread insert. 2,607,259, Aug. 19.
Forstrom, Victor, Roundup, Mont. Can opener. 2,596,476, May 13.
Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Electrically driven propeller pitch change system. 2,612,228, Sept. 30.
Forsyth, George H., Evanston, Ill. Bouncing ball game apparatus. 2,614,839, Oct. 21.
Forsyth, Jean M., executrix: *See*—
Forsyth, Will A., and Davis.
Forsyth, John S., Chicago, Ill., assignor to Wilson & Co., Inc. Processing meat products. 2,613,151, Oct. 7.
Forsyth, Will A., deceased, New Westminster, British Columbia, and W. A. Davis, Vancouver, Canada; J. M. Forsyth, executrix of said W. A. Forsyth. Wooden patch making machine. 2,583,367, Jan. 22.

Fort, Dorathea L.: *See*—
Harmon, Cline H., and Fort.
Fort Dodge Laboratories, Inc., assignee: *See*—
Killinger, Arden H., and Dick.
Fortess, Fred: *See*—
Blackman, Peter, Fortess, and White.
Fort Howard Paper Company, assignee: *See*—
Sobota, John T.
Wenneche, Christian F.
Fortin, Charles A., Montreal, assignor to P. Pauliot, Cote des Neiges, Montreal, Quebec, Canada. Lighter. 2,594,631, Apr. 29.
Fortin, Charles A., assignor to Institution Catholique des Sourds-Muets Pour la Province de Quebec, Montreal, Quebec, Canada. Atomizer. 2,606,790, Aug. 12.
Fortin, Robert C., Lake Hopatcong, N. J., assignor to Radio Corporation of America. Heat radiator for electron discharge devices. 2,616,055, Oct. 28.
Fortmann, Edward C., Chicago, Ill. Fish lure. 2,606,389, Aug. 12.
Fortner, Mannie S., Houston, Tex. Electrically operable indicator for simulated dice games. 2,588,817, Mar. 11.
Fortney, Maurice W., assignee: *See*—
Clinton, Otto M.
Fortuna Brothers, assignee: *See*—
Hauert, Henry.
Fortunato, Louis, Newark, N. J. Aircraft construction. 2,623,720, Dec. 30.
Fortuyn, Koenraad D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arrangement for igniting two or more gas- or vapor-filled main discharge tubes. 2,617,081, Nov. 4.
Forward, Frank A., Vancouver, British Columbia, assignor to Sherritt Gordon Mines Limited, Toronto, Ontario, Canada. Treatment of nickeliferous oxide concentrates for recovery of nickel values therefrom. 2,616,781, Nov. 4.
Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Compressed air circuit breaker with a plurality of series connected breaking gaps. 2,599,100, June 3.
Forward, Robert R., Jr., Minneapolis, Minn. Laundry stick. 2,623,771, Dec. 30.
Forward, Worthy J. F., Rochester, and R. R. Roberts, Irondequoit, assignors to Consolidated Machine Tool Corporation, Rochester, N. Y. Variable-speed transmission. 2,592,799, Apr. 15.
Forzley, Victor G., and M. Sonnino, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Apparatus for drying continuous filament yarn and the like. 2,622,182, Dec. 16.
Fosbender, Carl R., assignor to Tecumseh Products Company, Tecumseh, Mich. Cam actuated valve. 2,618,458, Nov. 18.
Fosdick Machine Tool Company, The, assignee: *See*—
Linden, Carl E., and Wetzel.
Knosp, Robert N., Linden, and Wetzel.
Foskett, Kenneth H., Manchester, N. H., assignor to Anchor Manufacturing Company, Boston, Mass. Pressed metal meter box. 2,595,132, Apr. 29.
Fosnaugh, Benjamin S., Renton, assignor of one-half to Adolph Spreckles, Seattle, Wash. Fishing rod wrapping device. 2,609,155, Sept. 2.
Foss, Arthur C., Trenton, N. J. Weatherproof folding chair. 2,586,216, Feb. 19.
Foss, Burdette W.: *See*—
Hill, Robert H., and Foss.
Fossa, Joseph, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,611,141, Sept. 23.
Fossati, Riccardo, Milan, Italy. Surgical exploring and operating device. 2,583,937, Jan. 29.
Fossieck, Gerald W.: *See*—
Mueller, Reinhold H., and Fossieck.
Fossum, Henry O., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Oiling system for rock drills. 2,582,689, Jan. 15.
Foster, Alfred E., Birmingham, England. Foldable cot for infants. 2,601,111, June 17.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Corrugated fabric and making the same. 2,607,104, Aug. 19.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Tear-resistant fabric. 2,619,705, Dec. 2.
Foster, Edwin E., Austin, Tex. Wringer pressure applying mechanism. 2,600,398, June 17.
Foster, Edwin E., Austin, Tex. Counterbalanced ironing press and operating mechanism. 2,603,010, July 15.
Foster, Edwin E., Austin, Tex., assignor, by mesne assignments, to Eastern Metals Research Co. Inc., New York, N. Y. Spring counterbalance. 2,609,191, Sept. 2.
Foster, Edwin E., Austin, Tex., assignor, by mesne assignments, to Eastern Metals Research Co., Inc., New York, N. Y. Spring sash counterbalance. 2,609,193, Sept. 2.
Foster, Emery L., Raytown, Mo. Hydraulically controlled continuously variable ratio torque converter. 2,590,305, Mar. 25.
Foster, George A. R.: *See*—
Gregory, James, Foster, and Catling.
Foster, George E., Chicago, Ill. Audiometer threshold signal adjusting network. 2,605,355, July 29.
Foster Grant Co., Inc., assignee: *See*—
Eyles, Thomas H.
Foster, Harry G., Mullens, W. Va. Rail cleaning device. 2,597,719, May 20.
Foster, Harry R., East Orange, and E. E. Crump, West Caldwell, assignors to Ohmega Laboratories, Pine Brook, N. J. Instantaneous frequency analyzer. 2,602,836, July 8
Foster, Harry R., East Orange, and E. E. Crump, West Caldwell, assignors to Ohmega Laboratories, Pine Brook, N. J. Measuring instantaneous rotational speed variations. 2,602,837, July 8.
Foster, Harry R., East Orange, and E. E. Crump, West Caldwell, assignors to Ohmega Laboratories, Pine Brook, N. J. Frequency analyzer system. 2,615,078, Oct. 21.
Foster, Henry W.: *See*—
Sandorff, Paul E., and Foster.
Foster, Howard L., Detroit, Mich. Hydraulic coupling for use between a driving and a driven element. 2,589,362, Mar. 18.
Foster, Jackson W., Austin, Tex., and L. E. McDaniel, assignors to Merck & Co., Inc., Rahway, N. J. Fermentation process. 2,584,009, Jan. 29.
Foster, James L., Wichita Falls, Tex. Well explosive. 2,616,370, Nov. 4.
Foster, James L., assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Self-aligning bearing. 2,611,663, Sept. 23.
Foster, John: *See*—
Fremlin, John H., and Foster.
Foster, John, assignor to B. & S. Massey Limited, Manchester, England. Servo mechanism. 2,615,431, Oct. 28.
Foster, John, London, England. Wrist watch support. 2,619,270, Nov. 25.
Foster, John S., Montreal, Quebec, Canada, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Directive system for wave guide feed to parabolic reflector. 2,605,416, July 29.
Foster and Kleiser Company, assignee: *See*—
Reemelin, Wallace M., and Olmsted.
Foster Machine Company, assignee: *See*—
Ball, Harold W., and Stange.
Lamb, Frank L., and Yefko.
Foster, Melville E., Minneapolis, Minn. Roller chart. 2,589,608, Mar. 18.
Foster, Melville E., Minneapolis, Minn. Roller chart. 2,589,609, Mar. 18.
Foster-Milburn Company, assignee: *See*—
Oclassen, Charles A., and Bronnenkant.
Foster, Newton C.: *See*—
Minter, Herbert F., Foster, and Leven.
Foster, Paul H., Tulsa, Okla., assignor to Standard Oil Development Company. Continuous line seismometer. 2,581,091, Jan. 1.
Foster, Raymond F., Stratford, Conn., assignor to General Electric Company. Electron discharge amplifier. 2,597,629, May 20.
Foster, Raymond H., Hasbrouck Heights, assignor to J. J. Mascuch, Maplewood, N. J. Mechanism for carrying and releasing bombs and rockets. 2,623,437, Dec. 30.
Foster, Richard B., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft folding wing and power plant arrangement. 2,623,713, Dec. 30.
Foster, Theodore: *See*—
Bickel, Clifford A., Brandenburg, and Foster.
Foster, Theodore D., and R. A. Lauterbur, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Tool slide. 2,608,897, Sept. 2.
Foster, Thomas H.: *See*—
Vickery, Stanley R., and Foster.
Foster, Thomas R., North Bay, Ontario, Canada. Clothesline hoist. 2,591,416, Apr. 1.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Bottle carrier. 2,584,689, Feb. 5.
Foster, Warren D., trustee, assignee: *See*—
McKay, Herbert C.
Nipken, Walter.
Foster Wheeler Corporation, assignee: *See*—
Andres, Frank.
Arnold, Stanfield N.
Artsay, Nicholas C.
Blizard, John.
Brummerstedt, Egon F.
Cartinhour, John W.
Dean, Dion K., and White.
Frisch, Martin.
Frisch, Martin, and Arnold.
Jost, John A., and Vogt.
Kilsby, Edward R.
Lundgren, Edwin.
Sampson, William.
Sherman, Tracy H.
Raven, Jan P. C.
Foster, William A., Flintville, Tenn. Fluorescent lamp shade structure. 2,617,918, Nov. 11.
Foster, William C., Baltimore, Md. Switch operator. 2,580,905, Jan. 1.

Fostoria Glass Company, assignee: *See*—
Muehlenkamp, George T.
Fotes, William, assignee: *See*—
Galusha, Earl E.
Fougera, E., & Co., Inc., assignee: *See*—
Halpern, Alfred.
Halpern, Alfred, and Bradney.
Foufounis, Jean T., Paris, France. Self-posing device with adjustable periscopic view finder. 2,589,363, Mar. 18.
Fouider, Henry B., and G. Millspaugh, Darien, assignors to The Industrial Dryer Corporation, Stamford, Conn. Apparatus for conditioning material. 2,606,372, Aug. 12.
Foulds, John P., Revere, Mass., assignor to General Electric Company. Air cooled light projector. 2,618,738, Nov. 18.
Foulds, Robinson P., assignor to Tootal Broadhurst Lee Company Limited, Manchester, England. Treatment of fibrous materials with polyamides. 2,610,927, Sept. 16.
Foulke, Ted E., Chagrin Falls, Ohio, assignor to General Electric Company. Thermal starting switch. 2,586,321, Feb. 19.
Foulkes, Christopher H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Gas filled electric discharge device. 2,593,429, Apr. 22.
Foulks, William S., Philadelphia, Pa., assignor to Thiokol Corporation. Curing coatings of polysulfide polymers. 2,584,264, Feb. 5.
Foundry Services Limited, assignee: *See*—
Strauss, Kossy, and Boddey.
Fouquart, Maurice, Paris, France. Electronic voltmeter with calibrated resistors. 2,581,011, Jan. 1.
Fourmanoit, Jean C., Brussels, Belgium. Steel manufacture. 2,620,268, Dec. 2.
Fourness, Charles A., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Tampon applicator. 2,587,717, Mar. 4.
Fournet, Sidney C., New Orleans, La. Apparatus for assembling artificial teeth. 2,618,063, Nov. 18.
Fouron, Pierre, C. Malabry, and G. Bourret, Boulogne-sur-Seine, assignors to Societe Civile D'Etudes Pour Material De Fonderie, Bagneux, France. Hydropneumatically controlled servomotor. 2,601,761, July 1.
Fourtier, Jean L., Paris, France. Air distributor. 2,588,626, Mar. 11.
Fouse, Frederick Z., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Method and apparatus for manufacturing glassware. 2,598,524, May 27.
Fouse, Frederick Z., Lancaster, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Means for holding and masking articles during coating. 2,600,161, June 10.
Fouse, Frederick Z., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Hermetic sealing machine with vacuum control means. 2,610,779, Sept. 16.
Foushee, Robert M., and J. Gottfried, assignors to National Rejectors, Inc., St. Louis, Mo. Multiple coin selector. 2,588,510, Mar. 11.
Foust, Floyd J.: *See*—
Burge, James S., McKee, Rider, Conrad, and Foust.
Foust, Floyd J., O. W. Childress, Jr., D. O. Crim, and R. A. Thompson, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator armature test. 2,593,131, Apr. 15.
Foust, Floyd J., W. C. Shaw, H. J. McKee, W. M. Rider, and J. S. Burge, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Condenser testing system. 2,596,396, May 13.
Foust, Floyd J., D. R. Burk, and R. C. Whelchel, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for testing fluid pressure switches. 2,615,327, Oct. 28.
Fowkes, Frederick M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Asphalt composition. 2,582,823, Jan. 15.
Fowkes, Frederick M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Bituminous composition. 2,582,824, Jan. 15.
Fowler, Alexander P.: *See*—
Williams, Gethin, and Fowler.
Fowler, Alexander P., assignor to Carrier Engineering Company Limited, London, England. Apparatus for painting motorcar bodies. 2,598,246, May 27.
Fowler, Arthur E.: *See*—
Dressler, Albert, Jr., and Fowler.
Fowler, Charles G., Miami, Fla. Holder for drinking glasses. 2,593,868, Apr. 22.
Fowler, Clarence B., Washington, D. C. Potential indicator with audible circuit testing prod. 2,586,806, Feb. 26.
Fowler, Francis R.: *See*—
Johnson, Frithiof V., and Fowler.
Fowler, Frank E.: *See*—
Minder, Robert J., and Fowler.
Fowler, George W.: *See*—
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.
Fowler, Girard, Point Pleasant, W. Va. Power factor controlling and regulating device. 2,610,317, Sept. 9.
Fowler, James O., assignor to Fowlers Dairy Developments Limited, Sparkhill, Birmingham, England. Apparatus for treatment of liquids in containers. 2,607,284, Aug. 19.
Fowler, Jefferson D., and R. A. Vaughn, Los Angeles, Calif. Electrically coin-operated chair. 2,602,492, July 8.
Fowler, John W., West Newton, Mass. Fishing signal. 2,589,610, Mar. 18.
Fowler, Norman W.: *See*—
Carlsen, Leonard O., and Fowler.
Fowler, Ora S., Denver, Colo. Gun sight. 2,586,807, Feb. 26.
Fowler, Ralph L., Whittier, Calif. Ellipsograph. 2,612,691, Oct. 7.
Fowler, Robert D., W. B. Burford, III, and H. C. Anderson, Baltimore, Md., assignors to the United States of America as represented by the United States Atomic Energy Commission. Producing fluorocarbons. 2,585,644, Feb. 12.
Fowler, Robert D., and H. C. Anderson, Baltimore, Md., assignors to the United States of America as represented by the United States Atomic Energy Commission. Fluorination process. 2,608,593, Aug. 26.
Fowler, Roy E., Watkinsville, Ga. Device for controlling the filling of containers. 2,594,146, Apr. 22.
Fowler, William D., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Lens grinding method and machine. 2,589,488, Mar. 18.
Fowler, William R., Jr., Selma, Calif. Portable crop heater. 2,615,284, Oct. 28.
Fowlers Dairy Developments Limited, assignee: *See*—
Fowler, James O.
Fox, Abraham L.: *See*—
Dean, Reginald S., and Fox.
Fox, Abraham L., Washington, D. C., assignor to Manganese Battery Corporation, Riverdale, Md. Depolarizer for primary cells. 2,591,532, Apr. 1.
Fox, Abraham L., assignor to R. S. Dean, Washington, D. C. Preparing active form of manganese dioxide. 2,608,466, Aug. 26.
Fox, Abraham L., assignor to R. S. Dean, Washington, D. C. Electrolytic preparation of manganese dioxide. 2,608,531, Aug. 26.
Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Tool cabinet and workbench. 2,587,829, Mar. 4.
Fox, Alexander P., University City, and L. C. Rotter, Maplewood, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricant pump. 2,616,524, Nov. 4.
Fox, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Slide mount. 2,592,262, Apr. 8.
Fox, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Flash holder bracket attachment for cameras with resiliently held latches. 2,600,748, June 17.
Fox, Arthur G., Eatontown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide coupling between coaxial lines. 2,588,103, Mar. 4.
Fox, Arthur G., Eatontown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,588,226, Mar. 4.
Fox, Arthur G., Eatontown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide phase shifter. 2,599,753, June 10.
Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide impedance element. 2,607,850, Aug. 19.
Fox, Benjamin: *See*—
Worthen, Eugene P., and Fox.
Fox, Benjamin, Belmar, N. J., assignor to United States of America as represented by the Secretary of War. Directional radar system. 2,587,610, Mar. 4.
Fox, Benjamin, New York, N. Y. Modulation system and method. 2,587,718, Mar. 4.
Fox, Benjamin, New York, N. Y. Frequency response analysis. 2,588,376, Mar. 11.
Fox, Benjamin, Philadelphia, Pa. Quick detachable connector. Re. 23,547, Sept. 9.
Fox, Benjamin, Philadelphia, Pa. Nonmicrophonic vacuum tube socket assembly. 2,590,001, Mar. 18.
Fox, Brenner B., San Antonio, Tex. Correcting spring aligning spacer ring. 2,610,847, Sept. 16.
Fox, Clarence D., St. Hilaire on Richelieu, Quebec, assignor of one-half to M. S. Cotterell, North Sidney, Nova Scotia, Canada. Bagged material reconditioning machine. 2,595,237, May 6.
Fox, Florian J., Stratford, and H. A. Williams, Bridgeport, Conn., assignors to Dictaphone Corporation, Bridgeport, N. Y. Dictating machine transcribing apparatus with extension arm. 2,598,045, May 27.
Fox, Fred F., London, England. Dough molding machine. 2,619,048, Nov. 25.
Fox, George H., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Elastic fabric. 2,581,322, Jan. 1.
Fox, Gerald B.: *See*—
Meeker, David A., Fox, and Sullenberger.
Fox, Gerald B., and J. M. Sherman, assignors to The Hobart Manufacturing Company, Troy, Ohio. Dishwasher. 2,592,884, Apr. 15.

Fox, Gerald B., and J. M. Sherman, assignors to The Hobart Manufacturing Company, Troy, Ohio. Method of and apparatus for washing dishes. 2,592,885, Apr. 15.

Fox, Gerald B., and J. M. Sherman, assignors to The Hobart Manufacturing Company, Troy, Ohio. Disinfectant injector for dishwashers. 2,592,886, Apr. 15.

Fox, Gordon, Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc. Skip hoist motor control. 2,597,859, May 27.

Fox, Helen E., El Paso, Tex. Upright baby walker. 2,588,104, Mar. 4.

Fox, Herman H., Passaic, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Compositions for combatting tuberculosis. 2,596,069, May 6.

Fox, Hillery: *See*—
Repscha, Albert H., and Fox.

Fox, Kenneth H., Fair Haven, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamoelectric machine. 2,595,349, May 6.

Fox, Le Roy G., assignor to E & J Manufacturing Co., Glendale, Calif. Automatic positive pressure breathing machine. 2,598,525, May 27.

Fox, Le Roy G., assignor to E & J Manufacturing Company, Glendale, Calif. Absorber for anesthetic gas machines. 2,614,561, Oct. 21.

Fox, Marvin C., assignor of one-half to W. O. Young, Seattle, Wash. Cigarette snuffer with sand renewing means. 2,612,896, Oct. 7.

Fox, Myer, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Broaching machine. 2,617,333, Nov. 11.

Fox, Myron R., Brookville, Ohio. Denture modeling articulator. 2,608,762, Sept. 2.

Fox Products Company, assignee: *See*—
Medlar, Lewis A., and Godshalk.

Fox, Raymond S., West Hartford, and A. M. Dexter, Jr., Farmington, assignors to Niles-Bement-Pond Company, West Hartford, Conn. Temperature compensated gauge. 2,603,001, July 15.

Fox, Raymond S., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Gauge head for pneumatic gauges. 2,623,294, Dec. 30.

Fox, Russell P.: *See*—
Heise, George W., and Fox.
Marsal, Paul A., and Fox.

Fox, Samuel, Baltimore, Md. Foldable basketball goal construction. 2,596,543, May 13.

Fox, Samuel S., West Hartford, and R. B. Talbot, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Anti-detonant injection control apparatus for internal-combustion engines. 2,599,985, June 10.

Foxboro Company, The, assignee: *See*—
Allen, Albert.
Catheron, Allan R.
Darling, Horace E.
Howe, Wilfred H.
Neuman, Herbert A.
Roost, Oscar W.

Foxx, John F., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Micrometer depth indicator. 2,583,693, Jan. 29.

Foxx, Norbert E., assignor to Republic Steel Corporation, Cleveland, Ohio. Induction heating. 2,620,432, Dec. 2.

Foy, John L., United States Navy, Dayton, Ohio. Power-driven truck for air cargo use. 2,583,557, Jan. 29.

Fraas, Foster, Riverdale, Md., assignor to the United States of America as represented by the Secretary of the Department of the Interior. Reagent conditioning for electrostatic separation of minerals. 2,593,431, Apr. 22.

Frachon, Maurice, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Opening-limiting system for turbine regulators. 2,582,825, Jan. 15.

Fraenckel, Victor H., Scotia, and L. R. Koller, Schenectady, N. Y., assignors to General Electric Company. Luminescent screen. 2,602,900, July 8.

Fraenckel, Victor H., Scotia, N. Y., assignor to General Electric Company. Magnetic film holder for cameras. 2,604,831, July 29.

Fraga, Frank M., Fresno, Calif. Automatic depth-reaction control for tractor mounted implements. 2,622,499, Dec. 23.

Fraga, Frank M., Reedley, Calif. Draft adjustment means for tractor pulled implements. 2,618,211, Nov. 18.

Fragen, Nathan, Hammond, and R. M. Alm, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Obtaining purified phenols and cresols of petroleum origin. 2,600,621, June 17.

Frailing, Le Roy H.: *See*—
Weiss, Erwin A., Frailing, and Clifton.

Fraim, E. T., Lock Company, assignee: *See*—
Fraim, Samuel R.

Fraim, Samuel R., assignor to E. T. Fraim Lock Company, Lancaster, Pa. Door latch. 2,598,526, May 27.

Frais, Sam: *See*—
Frais, Samuel.

Frais, Samuel, usually known as Sam Frais, assignor to Parapads Limited, London, England. Shoulder pad for garments. 2,586,423, Feb. 19.

Fral Manufacturing Co., assignee: *See*—
Perlman, Alfred H.

Fram Corporation, assignee: *See*—
Gerson, Gerhard.
Guiot, Auguste.
James, William S.
Rodman, Clarke A., and Tewksbury.

Frame, Gordon F.: *See*—
Yutzy, Henry C., and Frame.

Frame, Gordon F., assignor to Eastman Kodak Company, Rochester, N. Y. Reacting gelatin with naphthyl isocyanates and resulting products. 2,592,263, Apr. 8.

Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Tilting and traction assembly for industrial trucks. 2,623,653, Dec. 30.

France, Antoine, deceased, by A. Detienne, executor, assignor to Rheo-France Compagnie Internationale des Rheolaveurs a France, societe anonyme, Liege, Belgium. Adjustable discharge apparatus for slurry and muddy materials. 2,583,768, Jan. 29.

Franceschini, Lorenzo, assignor to Societa per Azioni Officine Galileo, Florence, Italy. Auxiliary optical device for phase microscopes. 2,588,105, Mar. 4.

Francesco, John P., Haverhill, Mass., now by judicial change of name J. P. Francis. Plug fastener. 2,597,857, May 27.

Franchetto, Luigi V.: *See*—
Schloen, John H., and Franchetto.

Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Apparatus for producing coated fabrics. 2,593,553, Apr. 22.

Francis, Charles B., Pittsburgh, Pa., assignor to Loftus Engineering Corporation. Apparatus and method for cleaning open hearth stack gases. 2,609,063, Sept. 2.

Francis, Ernest J., Richmond, Va. Refrigerated package. 2,618,937, Nov. 25.

Francis, George C., and R. Browning, Hampden, W. Va. Dust collector. 2,596,670, May 13.

Francis, John P.: *See*—
Francesco, John P.

Francis, Louis, assignor to J. D. Howard, Inc., Miami, Fla. Artist's color dispenser. 2,583,827, Jan. 29.

Francis & Lusky Co., Inc., assignee: *See*—
Francis, Paul R.

Francis, Lynn M., Detroit, Mich. Automobile transporting trailer. 2,583,734, Jan. 29.

Francis, Lynn M., Detroit, Mich. Convertible automobile and general freight carrying trailer. 2,587,456, Feb. 26.

Francis, Lynn M., Detroit, Mich. Truck crane for fifth wheel. 2,604,302, July 22.

Francis, Lynn M., Detroit, Mich. Cargo trailer. 2,611,640, Sept. 23.

Francis, Paul R., assignor to Francis & Lusky Co., Inc., Nashville, Tenn. Folding fan. 2,581,643, Jan. 8.

Francis, Richard J., Granville, Ohio. Reinforced plastic rods and making same. 2,602,766, July 8.

Francis, Richard J., Granville, Ohio. Forming reinforced hollow plastic articles. 2,614,058, Oct. 14.

Francis, William J., Portsmouth, Va. Ship hull antifouling paint. 2,602,752, July 8.

Francisco Batalla Faidella, assignee: *See*—
Carandell Marimón, Juan.

Franck, George E., Riverside, Ill., assignor to The Imperial Brass Manufacturing Company. Flaring tool. 2,604,139, July 22.

Franck, George E., Riverside, and J. H. Zales, assignors to The Imperial Brass Manufacturing Company, Chicago, Ill. Faucet. 2,595,350, May 6.

Francois, Paul L., Short Hills, N. J. Lubricating oil filter mounting. 2,591,248, Apr. 1.

Frandsen, Lawrence, assignor to Washington Laboratories, Inc., Seattle, Wash. Composition of matter and method of retarding the decomposition of food. 2,622,030, Dec. 16.

Frandsen, Lawrence, assignor to Washington Laboratories, Inc., Seattle, Wash. Composition of matter and method of preserving food in raw state. 2,622,031, Dec. 16.

Frandsen, Lawrence, assignor to Washington Laboratories, Inc., Seattle, Wash. Bacteriostatic and fungicidal solution for retarding deterioration and decomposition of organic matter and using the same. 2,622,032, Dec. 16.

Frangquist, Gustav H., Chicago, Ill., assignor to Combustion Engineering-Superheater, Inc. Separating dust from a gas. 2,588,106, Mar. 4.

Frank, Arthur W.: *See*—
Sommers, Robert H., and Frank.

Frank, Bernard E.: *See*—
Hahn, Rea I., and Frank.

Frank, Bernard E., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Apparatus for sizing tubing. 2,585,450, Feb. 12.

Frank, Bernard E., J. W. Armstrong, and G. E. Histed, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Tube cutting apparatus. 2,582,025, Jan. 8.

Frank, Clarence E., Fraser, assignor to General Motors Corporation, Detroit, Mich. Vehicle wheel support. 2,580,383, Jan. 1.

Frank, Edward: *See*—
Slosberg, Sam M., Beeten, and Frank.

Frank, Edward J., Springfield, and C. W. Driver, Secane, Pa., assignors to General Electric Company. Operating rod for electric switches. 2,590,765, Mar. 25.

Frank, George H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hood for conveyers. 2,585,105, Feb. 12.

Frank, Gerard A., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Article straightening machine. 2,622,654, Dec. 23.

Frank, Joseph J., Union, N. J., assignor to Hercules Fasteners, Inc. Closure for flexible tubes. 2,604,228, July 22.

Frank, Joseph J., Union, and J. C. Macy, Elizabeth, N. J., assignors to Hercules Fasteners, Inc. Pleating machine. 2,589,792, Mar. 18.

Frank, Karl F., Brooklyn, N. Y., assignor to The Sperry Corporation. Rotor balancing machine. 2,622,437, Dec. 23.

Frank, Laszlo: *See*—
Zieger, Eugene, and Frank.

Frank, Laszlo, Sale, near Manchester, England. Machine for producing patterns photographically on the surface of copper and like rollers. 2,589,933, Mar. 18.

Frank, Louis, Fellows, Calif. Nut-holding magazine wrench. 2,611,289, Sept. 23.

Frank, Louis, Fellows, Calif. Rivet feeding tool. 2,616,313, Nov. 4.

Frank, Paul A., assignor to National Rubber Machinery Company, Akron, Ohio. Waste disposal unit for sinks. 2,615,176, Oct. 28.

Frank, Samuel, Houston, Tex. Glass-cutting apparatus. 2,597,311, May 20.

Frank, Walter R., Elmhurst, Ill. Vaporizer. 2,585,106, Feb. 12.

Frank, William A., Hackensack, N. J., assignor to National Water Main Cleaning Co., New York, N. Y. Pipe cleaner. 2,620,497, Dec. 9.

Frank, William R.: *See*—
Rasmussen, Clarence T., Frank, and Hagen.

Frank, William R., Bell, assignor to John Deere Killefer Company, Los Angeles, Calif. Offset disk harrow links. 2,608,813, Sept. 2.

Frank, William R., Bell, Calif., assignor to John Deere Killefer Company. Offset disk harrow. 2,608,814, Sept. 2.

Frank, William R., Bell, and L. A. Crosson, assignors to John Deere Killefer Company, Los Angeles, Calif. Flexible offset disk harrow. 2,604,746, July 29.

Frankel, Adolf: *See*—
Gross, William L., Hughes, Wolff, and Frankel.

Frankel, Adolf, Rugby, assignor to The English Electric Company Limited, London, England. Elastic fluid turbine. 2,620,158, Dec. 2.

Frankel, Adolf, Rugby, and A. B. Mitchell, assignors to The English Electric Company Limited, London, England. Gas turbine. 2,618,461, Nov. 18.

Frankel, Leo, Chicago, Ill., assignor, by mesne assignments to City National Bank and Trust Company of Chicago, as trustee. Footage indicator in a motion-picture camera viewer. 2,585,451, Feb. 12.

Frankel, Leo, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee. Film cleaning device. 2,623,225, Dec. 30.

Frankel, Theodor: *See*—
Wharton, Armistead, and Frankel.

Frankel, Theodore, Rochester, N. Y., assignor to Stromberg-Carlson Company. Alarm system for unattended automatic exchanges. 2,584,857, Feb. 5.

Frankenburg, Walter G., Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y. Nicotinic acid production. 2,586,808, Feb. 26.

Frankenburg, Walter G., Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y. Resilient tobacco product and making the same. 2,592,554, Apr. 15.

Frankenburg, Walter G., Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y. Tobacco product and manufacture. 2,598,680, June 3.

Frankenburg, Walter G., Millersville, Pa., and P. W. Garbo, Freeport, assignors to General Cigar Co., Inc., New York, N. Y. Tobacco products and processes therefor. 2,592,553, Apr. 15.

Frankenburg, Walter G., Millersville, Pa., and E. T. Layng, assignors to Hydrocarbon Research, Inc., New York, N. Y. Catalytic reduction of carbon monoxide with hydrogen. 2,600,399, June 17.

Frankenhoff, Charles A., assignee: *See*—
Mahon, Stephen.

Frankenstein, William P., assignee: *See*—
Freel, William G., and Jones.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,588,377, Mar. 11.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,593,430, Apr. 22.

Frankenstein, William P., Cincinnati, Ohio. Book style carton with infolded sides. 2,603,405, July 15.

Frankenstein, William P., Cincinnati, Ohio. Hollow wall carton formed of two blanks. 2,605,894, Aug. 5.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,612,306, Sept. 30.

Frankenstein, William P., Cincinnati, Ohio. Carton. 2,614,746, Oct. 21.

Frankenstein, William P., Cincinnati, Ohio. Convertible carton. 2,618,887, Nov. 25.

Frankl, Egon, assignor to Rochester Button Company, Rochester, N. Y. Thermosetting keratinoid compositions and making the same. 2,623,039, Dec. 23.

Frankland, Earl M., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade preloading and fluid transfer mechanism. 2,623,601, Dec. 30.

Frankland, Edwin, assignor to Vinco Corporation, Detroit, Mich. Pilot gauge. 2,592,409, Apr. 8.

Frankland, William H., Tampa, Fla. Vaporizing forced draft oil burner. 2,603,281, July 15.

Franklin, Albert W., Mount Vernon, N. Y. Making an electrical unit. 2,622,054, Dec. 16.

Franklin, Burton, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Combination space heater, fan, and air circulator. 2,606,273, Aug. 5.

Franklin, Cecile, assignee: *See*—
Franklin, Leon H.

Franklin, Leon H., assignor to C. Franklin, Chicago, Ill. Sand urn. 2,592,676, Apr. 15.

Franklin, Leslie U., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Selective hydrodesulfurization process. 2,587,987, Mar. 4.

Franklin, Lester K., Los Angeles, Calif. Self-cleaning comb. 2,610,638, Sept. 16.

Franklin Research Company, assignee: *See*—
Hausmann, George J., Johnson, and McDermott.

Franklin, Richard J., Bismarck, N. Dak. Combination fingernail file, fingernail clipper, and pocket clip. 2,615,242, Oct. 28.

Franks, Charles M., Fort Lauderdale, Fla. Rotatable wheel marble game. 2,616,699, Nov. 4.

Franks, John H., Daytona Beach, Fla. Decaulking apparatus. 2,581,477, Jan. 8.

Franks, Joseph, deceased, Lawrence; M. Young, Boston, Mass., executor, assignor to the said M. Young, as trustee. Flat tire indicator. 2,590,394, Mar. 25.

Franks, Norvin H., Chicago, Ill. Tension bolted frame construction. 2,588,818, Mar. 11.

Franks, Norvin H., assignor to Sturdi-Bilt Steel Products, Inc., Chicago, Ill. Tool support. 2,599,170, June 3.

Franks, Ralph E., Baltimore, Ohio. Demountable propelling unit for vehicles. 2,589,793, Mar. 18.

Fransen, John J., Sr., R., and W., Freeport, Ill. Trailer skirt. 2,618,493, Nov. 18.

Fransen, Robert: *See*—
Fransen, John J., Sr., R., and W.

Fransen, William: *See*—
Fransen, John J., Sr., R., and W.

Franson, Herbert C.: *See*—
Solum, Thorsten, and Franson.

Franta, William A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Controlling chain branching during ethylene polymerization. 2,586,322, Feb. 19.

Frantik, Rudolph O., Albuquerque, N. Mex., assignor to the United States of America as represented by the Secretary of the Navy. Projectile. 2,616,372, Nov. 4.

Frantz, Herman W., and K. M. Engebretson, Marietta, Minn. Combine hitch. 2,594,632, Apr. 29.

Frantz Manufacturing Co., assignee: *See*—
Wolf, Cecil R.

Frantz, Virgil L., Roanoke, Va. Operating valve. 2,589,794, Mar. 18.

Frantz, Virgil L., Roanoke, Va. Pipe coupling. 2,600,162, June 10.

Frantz, Walter A., Shaker Heights, Ohio. Creamer. 2,613,517, Oct. 14.

Franz, Earl E., Canton, Ohio. Combination warning signal and trouble lamp. 2,620,388, Dec. 2.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Elastomer mold sealing device. 2,580,668, Jan. 1.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Backlash eliminating device. 2,582,690, Jan. 15.

Franz, Frederick L.: *See*—
Roberts, Frederick W., and Franz.

Franza, Alfred M., New York, N. Y. Producing mirrors. 2,614,943, Oct. 21.

Franzen, Gilbert E., Garden Grove, Calif. Spoon cover. 2,598,987, June 3.

Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Producing gallium. 2,582,376, Jan. 15.

Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Recovering gallium from metallic aluminum. 2,598,777, June 3.

Frascella, Alexander D.: *See*—
Carter, Thomas N., and Frascella.

Frasch, Jean: *See*—
Freud, Herbert M.

Fraser-Brace Engineering Co., Inc., assignee: *See*—
Fraser, Charles E.

Fraser, Charles E., Kew Gardens, assignor to Fraser-Brace Engineering Co., Inc., New York, N. Y. Machine for abrading citrus fruits. 2,608,226, Aug. 26.

Fraser, Edward S., and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Storage tank for liquids. 2,601,270, June 24.

Fraser, Hugh, Burnside by Rutherglen, Scotland. Suspended railway. 2,623,475, Dec. 30.
Fraser, Hugh D.: *See*—
Hageman, Aaron M., Jenkins, and Fraser.
Fraser, Kenneth G., assignee: *See*—
Stillwagon, George B., Jr.
Fraser, Malcolm W., trustee: *See*—
Parsons, John B.
Fraser, Robert, Great Neck, N. Y. Fluxmeter and probe therefor. 2,599,550, June 10.
Fratini, Ned N., Meyersdale, Pa. Snow removing machine. 2,587,719, Mar. 4.
Fratz, George C., and P. W. Sandrock, assignors to Kipton Industries, Inc., Kipton, Ohio. Tool handle. 2,620,001, Dec. 2.
Frauenholtz, John E., Pittsburgh, Pa. Device for indicating the size bearing for shafts of unknown diameter. 2,607,997, Aug. 26.
Fraum, Milly M., Brooklyn, N. Y. Ascot, scarf, or the like. 2,620,478, Dec. 9.
Fraumann, John W.: *See*—
Guarino, Pasquale A., Adams, Fraumann, and Dobler.
Fraunfelder, George D., assignor to Easton Car & Construction Company, Easton, Pa. Automatic drop door mechanism. 2,595,836, May 6.
Frawley, Robert N.: *See*—
Martin, Edward J., and Frawley.
Fray, Victor H., Auckland, New Zealand. Screw or like nicking machine. 2,621,343, Dec. 16.
Fraysur, Edward, Winchester, Ky. Doll. 2,616,216, Nov. 4.
Frazee, Henry G., Grand Rapids, Mich. Shot splitting pliers. 2,618,994, Nov. 25.
Frazer, Harry F., Lewes, Del. Disk wheel. 2,606,076, Aug. 5.
Frazier, Allen W., Glen Ellen, Calif. Chemical solution feeder. 2,614,074, Oct. 14.
Frazier, Bert, Pittsburgh, Pa. Combination tool. 2,584,568, Feb. 5.
Frazier, Charles: *See*—
Cadwell, Leonard E., and Frazier.
Frazier, Frank L., and E. H. Waltz, assignors to Trojan Manufacturing Company, Troy, Ohio. Reversible pipe puller. 2,612,343, Sept. 30.
Frazier, George E., Sand Springs, Okla. Inclined plane magnetic game. 2,590,002, Mar. 18.
Frazier, Henry D.: *See*—
Riesenfeld, Fred C., and Frazier.
Frazier, Henry D., Alhambra, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Prevention of amine losses in gas treating systems. 2,608,461, Aug. 26.
Frazier, Henry D., Alhambra, and F. C. Riesenfeld, Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Dehydration of gases. 2,603,311, July 15.
Frazier, Henry D., Alhambra, and F. C. Riesenfeld, Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Amine absorbent gas treating system. 2,608,462, Aug. 26.
Frazier, John F., assignor to Corning Glass Works, Corning, N. Y. Electric appliance and stand assembly therefor. 2,611,069, Sept. 16.
Frazier, John W., Bemus Point, N. Y. Device for mounting and stretching pelts. 2,594,902, Apr. 29.
Frazier, Loring R., Swampscott, Mass., assignor to General Electric Company. Titanium-base alloys. 2,622,023, Dec. 16.
Frazier, Radford K., assignor to Bendix Aviation Corporation, Towson, Md. Stereoscopic system for three-dimensional location of aircraft. 2,602,923, July 8.
Frazier, Robert L., St. Louis, Mo., and H. B. Breedlove, Baton Rouge, La. Automatic flight controller. 2,612,331, Sept. 30.
Frazier-Simplex, Inc., assignee: *See*—
Blakeney, John S.
Frazier, Thomas W.: *See*—
Wallin, Charles M., and Frazier.
Frear, Oscar W. S., Williamsport, Pa. Safety ground clamp. 2,613,243, Oct. 7.
Freas, Raymond L., Conshohocken, Pa. Automatically operated radio buoy. 2,593,432, Apr. 22.
Freas, Robert R., Jr., Jermyn, Pa., assignor to Radio Corporation of America. Receiver-indicator for radio navigation system of loran type. 2,607,033, Aug. 12.
Freas, Robert R., Jr., Jermyn, Pa., assignor to Radio Corporation of America. Timing or drift circuits for Loran navigation systems. 2,614,159, Oct. 14.
Freas, Wilbur P., Philadelphia, Pa. Air line oiler. 2,602,523, July 8.
Freber, Arthur H., deceased, Salt Lake City, Utah; V. S. Freber, executrix, assignor to V. S. Freber. Page holder for books. 2,606,042, Aug. 5.
Freber, Virginia S., executrix, assignee: *See*—
Freber, Arthur H.
Fred, Walter, Worcester, Mass. Ice fishing tilt. 2,598,778, June 3.
Fredd, John V., assignor to Otis Pressure Control, Inc., Dallas, Tex. Tubing caliper with latch means. 2,596,924, May 13.
Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Viewing screen. 2,584,441, Feb. 5.
Fredendall, Gordon L., and A. C. Schroeder, Feasterville, Pa., assignors to Radio Corporation of America. Combined television and sound system. 2,590,306, Mar. 25.
Frederick, Arden H.: *See*—
Chance, Britton, and Frederick.
Frederick, Carl L., Snyder, assignor to Dictaphone Corporation, New York, N. Y. Record chip removal apparatus. 2,582,939, Jan. 15.
Frederick, Charles S., Cleveland, Ohio. Collapsible tube casing and dispenser having a rotatable and slidable closure plug. 2,613,852, Oct. 14.
Frederick Iron and Steel, Inc., assignee: *See*—
Patrick, Isaac.
Tifft, William C.
Tifft, William C., and Kreissig.
Frederick, Marvin R.: *See*—
McBee, Earl T., and Frederick.
Frederick, Robert D. L., Essendon, near Melbourne, Victoria, Australia. Apparatus for effecting liquid penetration of fabrics. 2,600,863, June 17.
Frederick, Walter E., assignee: *See*—
Sprunger, Jacob J.
Fredericks, William C.: *See*—
Oberlink, Dwight R., and Fredericks.
Frederickse, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine. 2,597,983, May 27.
Frederickson, Robert I., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Cover and closure for waste receptacles. 2,587,988, Mar. 4.
Frederiksen, Erling, Holte, and E. J. Nielsen, Charlottenlund, Denmark, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of penicillin salts. 2,595,068, Apr. 29.
Frederiksen, Erling K., Holte, and E. J. Nielsen, Charlottenlund, Denmark, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of penicillin. 2,611,733, Sept. 23.
Fredholm, Henry M., Midlothian, Ill. Closure check and retainer. 2,604,343, July 22.
Fredin, John E., Los Angeles, Calif. Illuminated support with liquid-holding pan. 2,611,856, Sept. 23.
Fredrick, Arden H., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse generator. 2,605,422, July 29.
Fredrick, Raymond R., assignor to The Bastian-Blessing Company, Chicago, Ill. Article dispenser control unit. 2,601,205, June 17.
Fredrickson, Oscar E., Moose Pass, Territory of Alaska. Animal trap. 2,592,677, Apr. 15.
Free Sewing Machine Co., assignee: *See*—
Fichter, Ludwig J., and Pierson.
Freeberg, Benjamin F.: *See*—
Smith, William M., Freeberg, and Tharp.
Freed, Irving, Baltimore, Md. Medical appliance. 2,622,596, Dec. 23.
Freed, Myer, assignor to Dawe's Products Company, Chicago, Ill. Production of vitamin A and related compounds. 2,587,457, Feb. 26.
Freedlander, Abraham L., Dayton, Ohio, assignor to The Dayton Rubber Company. Covering for textile machinery rollers. 2,597,858, May 27.
Freedman, Benjamin H., Asbury Park, N. J., assignor, by mesne assignments, to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Game. 2,586,017, Feb. 19.
Freedman, Benjamin H., Asbury Park, N. J., and E. J Heggedal, Lynbrook, N. Y., assignors, by mesne assignments, to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Game. 2,585,924, Feb. 19.
Freedman, Emiel, Nanuet, N. Y. Resilient spring envelope for collapsible tubes. 2,600,631, June 17.
Freedman, Harry and S., Philadelphia, Pa. Display device. 2,594,903, Apr. 29.
Freedman, Louis, Mount Vernon, assignor to U. S. Vitamin Corporation, New York, N. Y. Saline composition. 2,601,112, June 17.
Freedman, Rudolph, University City, and J. E. Dube, Chesterfield, assignors, by mesne assignments, to Alco Valve Co., St. Louis, Mo. Windshield wiper system. 2,609,795, Sept. 9.
Freedman, Rudolph, University City, and J. E. Dube, Chesterfield, assignors, by mesne assignments, to Alco Valve Co., St. Louis, Mo. Windshield wiper system. 2,612,141, Sept. 30.
Freedman, Samuel, San Diego, Calif., and G. F. Bonardi, New York, N. Y. Vacuum tube. 2,594,005, Apr. 22.
Freedman, Samuel, U. S. Navy, and G. F. Bonardi, Manhattan Beach, Calif. Tuned microwave reflector. 2,622,242, Dec. 16.
Freedman, Sol: *See*—
Freedman, Harry and S.
Freehafer, John E.: *See*—
Field, Oscar S., and Freehafer.
Freel, William G. and S. F. Jones, London, Ontario, Canada, assignors to W. P. Frankenstein, Cincinnati, Ohio. Carton. 2,581,400, Jan. 8.
Freeman, Andrew L., Grand Forks, N. Dak. Electric internal-combustion engine head bolt heater. Re. 23,449, Jan. 15.

Freeman, Andrew L., Grand Forks, N. Dak. Electric heat bolt heater for internal-combustion engines. 2,611,066, Sept. 16.
Freeman, B. Dexter, assignee: *See*—
Field, Sydney S.
Freeman, C. E., Co., Inc., assignee: *See*—
Sandora, Manuel A., and Freeman.
Freeman, Cecil E.: *See*—
Sandora, Manuel A., and Freeman.
Freeman, David A., assignor to G. H. Bishop Company, Chicago, Ill. Sorting apparatus. 2,595,837, May 6.
Freeman, David A., Corporation, assignee: *See*—
Schultz, Roy M.
Freeman, Donald A., Kalamazoo, Mich. Guard for receptacle covers. 2,610,765, Sept. 16.
Freeman, Edward J., assignee: *See*—
McCormack, Charles M., and Faranda.
Freeman, George S. P., Chiswick, London, assignor to Cinema-Television Limited, London, England. Image-converting device. 2,587,830, Mar. 4.
Freeman, George S. P., Chiswick, assignor to Cinema-Television Limited, London, England. Variable-capacity target electrode. 2,599,754, June 10.
Freeman, Hadley F., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating switch. 2,599,171, June 3.
Freeman, Holland H.: *See*—
Boyden, Robert E., and Freeman.
Freeman, Howard E., Sherman Oaks, Calif. Screen and lens calculator. 2,591,058, Apr. 1.
Freeman, Howard G., assignor to Rockwood Sprinkler Company, Worcester, Mass. Fire-fighting apparatus. 2,604,948, July 29.
Freeman, Martin J., Washington, D. C. Watch roller jewel setter. 2,598,527, May 27.
Freeman, Michael, Rensselaer, N. Y. Inflatable garment hanger. 2,622,774, Dec. 23.
Freeman, Michael W., Detroit, Mich. Producing modified machine elements. 2,614,948, Oct. 21.
Freeman, Robert H., Millburn, assignor to The Daven Company, Newark, N. J. Variable attenuator. 2,597,090, May 20.
Freeman, Robert M., United States Navy. Torpedo director. 2,581,401, Jan. 8.
Freeman, Sydney M., and A. Linnert, Didsbury, Manchester, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Opening and cleaning machine for fibrous materials. 2,601,381, June 24.
Freeport Sulphur Company, assignee: *See*—
Andrews, Norwood H.
Barsky, George.
Cain, Gordon A., and Chatelain.
Trost, Conrad, and Holdcraft.
Freese, Charles E.: *See*—
Jewell, Raymond L., and Freese.
Freese, Gerald J.: *See*—
Dorfman, Hillier D., and Freese.
Dyer, Lloyd W., and Freese.
Freese, Gerald J., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Interlock. 2,604,796, July 29.
Freese, Harry: *See*—
Vigren, Sten D., Freese, Claesson, and Åkesson.
Freeway Washer and Stamping Company, assignee: *See*—
Sutowski, Walter S.
Freeze, Henry J.: *See*—
Olson, Henry L., and Freeze.
Freezing Equipment Sales, Inc., assignee: *See*—
Pownall, Henry B.
Frehse, Walter, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Double toggle gasket. 2,609,070, Sept. 2.
Freight Handling Corporation, assignee: *See*—
Bevan, George.
Freimann, Frank, C. Hart, and A. L. Knox, Sr., assignors to The Magnavox Company, Fort Wayne, Ind. Record changer. 2,594,633, Apr. 29.
Freimark, Leopold, New York, N. Y. Centering gauge 2,586,639, Feb. 19.
Freire, Antonio C., Sao Paulo, Brazil. Fishing apparatus. 2,619,757, Dec. 2.
Freire, Antonio C., Sao Paulo, Brazil. Fishhook. 2,619,758, Dec. 2.
Freire, Santiago A., Belo Horizonte, Brazil, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Phenyl ester of p-aminosalicyclic acid. 2,604,488, July 22.
Freis, Frederick M., Chicago, assignor to Conlon-Moore Corporation, Cicero, Ill. Portable domestic ironing machine. 2,614,347, Oct. 21.
Freitag, Byron E., Fort Wayne, Ind., assignor to General Electric Company. Folding lid for open topped cabinets. 2,585,645, Feb. 12.
Freitas, Anthony, assignee: *See*—
Toop, Frederick.
Freitas, Rose, assignee: *See*—
Toop, Frederick.
Frejacques, Jean L. M., Paris, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Producing potassium chlorate crystals of special appearance. 2,595,238, May 6.
Fremlin, John H., and J. Foster, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultrahigh-frequency oscillation generator. 2,593,433, Apr. 22.
Fremlin, John H., and R. N. Hall, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the electron velocity modulation type. 2,608,671, Aug. 26.
Fremlin, John H., and R. N. Hall, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Cavity resonator electronic oscillation generator. 2,613,335, Oct. 7.
Fremon, George H.: *See*—
Walter, Andrew T., and Fremon.
Fremont Flask Company, The, assignee: *See*—
Ernst, Walter, and Fleck.
French American Reeds Manufacturing Co., Inc., assignee: *See*—
Maccaferri, Mario.
French, August, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparing stable aerated wax compositions and articles. 2,583,938, Jan. 29.
French, August, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Decorative wax figures and preparing same. 2,606,137, Aug. 5.
French, George F. and R., Manchester, England. Curtain heading tape. 2,585,759, Feb. 12.
French, George F., and R., Manchester, England. Woven ladder webbing. 2,609,012, Sept. 2.
French, George F. and R., Manchester, England. Woven ladder webbing. 2,613,694, Oct. 14.
French, George O., and J. H. Du Roy, assignors to Plasti-Cation Corporation, Flint, Mich. Light-diffusing shield for elongated tubular lamps. 2,583,939, Jan. 29.
French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Variable capacity vane-type rotary pump including automatic means for maintaining uniform delivery. 2,600,632, June 17.
French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Constant volume variable speed driven vane pump. 2,600,633, June 17.
French, Heyward A., Belleville, N. J., and L. Staschover, Jamaica, assignors to International Standard Electric Corporation, New York, N. Y. Direct current stabilizer. 2,601,271, June 24.
French, Hubert, Brooklyn, N. Y., assignor to Radio Corporation of America. Signal shaping circuits and method. 2,597,630, May 20.
French, Humboldt, Oakland, Calif. Cable strain clamp. 2,606,350, Aug. 12.
French Look, Inc., The, assignee: *See*—
Licht, Anna.
French, Louis O., Milwaukee, Wis. Automatic fuel injector. Re. 23,476, Apr. 8.
French, Louis O., Milwaukee, Wis. Fuel injection apparatus. 2,598,528, May 27.
French, Louis O., Milwaukee, Wis. Dual fuel valve. 2,607,366, Aug. 19.
French, Merle P., New Rochelle, N. Y. Coupling means for scaffolding bars. 2,583,368, Jan. 22.
French Oil Mill Machinery Company, The, assignee: *See*—
Simon, Forrest C.
Stacy, Thomas F.
French, Roger: *See*—
French, George F. and R.
Frenger, Gunnar, Ron. V. Aker, Norway. Hot-water heating system. 2,592,887, Apr. 15.
Frenkel, Leon, Limited, assignee: *See*—
Chatfield, Herbert W.
Frenkel, Meyer, London, England. Heat exchanger. 2,597,091, May 20.
Frenkel, Meyer, London, England. Heat exchanger. 2,609,184, Sept. 2.
Frenkel, Meyer, London, England. Angular contact ball bearing. 2,623,796, Dec. 30.
Frentzel, Herman C.: *See*—
Bodendoerfer, Ray E., Fee, and Frentzel.
Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Ball point fountain pen. 2,580,753, Jan. 1.
Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,580,754, Jan. 1.
Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Ball point fountain pen. 2,583,142, Jan. 22.
Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Ball point writing instrument. 2,584,569, Feb. 5.
Frentzel, Herman C.: *See*—
Bodendoerfer, Ray E., Fee, and Frentzel.
Frenzel, Wilbur G., Nome, Tex. Hydraulic crane structure. 2,601,927, July 1.
Fresolone, Vito, Union, N. J. Emergency fuel supply device for motor vehicles, boats, etc. Re. 23,599, Dec. 23.
Frere, Clarence, Bridgeport, Conn., assignor to General Electric Company. Contacting device for electric heating panels. 2,613,309, Oct. 7.

Frere, Clarence, Bridgeport, Conn., and F. T. Grothouse, South Euclid, Ohio, assignors to General Electric Company. Suction cleaner belt detacher. 2,616,117, Nov. 4.

Frerer, Paul G., assignor to Bendix Aviation Corporation, Baltimore, Md. Automatic burner control system. 2,592,410, Apr. 8.

Frerer, Paul G., assignor to Bendix Aviation Corporation, Baltimore, Md. Heating control apparatus. 2,599,101, June 3.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. High-frequency electrical apparatus. 2,580,418, Jan. 1.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Interlocking transfer switch. 2,606,260, Aug. 5.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Circuit controlling apparatus. 2,611,060, Sept. 16.

Fresolone, Vito, Jr., Union, N. J. Lubricating fitting for vehicle springs. 2,584,119, Feb. 5.

Fretz-Moon Tube Company, Inc., assignee: *See*—
Clouse, Augustus C.

Freud, Herbert M., dit Jean Frasch, Nanterre, France. Protection of metallic objects by galvanic action. 2,605,217, July 29.

Freudenberg, Leo: *See*—
Van der Pelen, Céline, and Freudenberg.

Freudenstein, Ferdinand, Buffalo, N. Y. Adjustable velocity-control mechanisms. 2,590,692, Mar. 25.

Freudenthaler, John P., Montgomery, Ohio. Stop for cut-off saws. 2,618,300, Nov. 18.

Freund, Aiois, Haifa, Palestine. Wear compensating device for vehicle brakes. 2,619,198, Nov. 25.

Freund, Frederick, New York, and I. Kreismann, Kew Gardens, N. Y., assignors, by mesne assignments, to said Kreismann. Spraying apparatus. 2,613,111, Oct. 7.

Freund, Robert R., Mexico City, Mexico, and W. H. Creel, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fluid distribution system. 2,594,762, Apr. 29.

Freure, Benjamin T.: *See*—
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.

Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Determining soil pressures produced on the soil working surfaces of ground engaging tools. 2,601,776, July 1.

Frey, Albert C.: *See*—
Anderson, William H., and Frey.

Frey, Elmer E., Sun Valley, assignor to Kittle Manufacturing Company, Los Angeles, Calif. Tiltable umbrella support. 2,607,363, Aug. 19.

Frey, Gustav O.: *See*—
Huntar, Felix, and Frey.

Frey, Irvin, assignee: *See*—
Baumbach, Richard C.

Frey, Kurt P.: *See*—
Maurer, Willy K., Schoen, and Frey.

Frey, Louis E., assignor to Duo-Bed Corp., Sacramento, Calif. Sofa bed. 2,602,937, July 15.

Frey, Vernon M., East Moline, Ill. Collapsible golf bag cart. 2,598,046, May 27.

Frey, Walter, Basel, and E. Boller, Pratteln, assignors to Saeurefabrik Schweizerhall, Schweizerhalle, Switzerland. Purifying normally liquid chlorides of metals of group 4 of the periodic system. 2,592,021, Apr. 8.

Frey, Wolfgang: *See*—
Peter, Albin, and Frey.

Freyer, Bela: *See*—
Boeddinghaus, Hugo P., Freyer, and Sanford.
Robbins, Ralph I., and Freyer.

Freyer, Beln, Cornwall-on-Hudson, and G. J. Sanford, Newburgh, N. Y., assignors to American Felt Company, Glenville, Conn. Felt hardening machine. 2,616,153, Nov. 4.

Freyer, Ernest T., Chicago, Ill. Clam-shell bucket. 2,594,763, Apr. 29.

Freyermuth, Harlan B.: *See*—
Williams, William W., and Freyermuth.

Freyermuth, Harlan B., and W. O. Ney, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Ultraviolet light absorbing film. 2,614,940, Oct. 21.

Freygang, Walter H., Essex Fells, assignor to Specialties Development Corporation, Bloomfield, N. J. System for dispensing a fire-extinguishing medium. 2,586,809, Feb. 26.

Freyssinet, Eugène, Neuilly-sur-Seine, France. Means anchoring tensioned cable for prestressed concrete. 2,618,147, Nov. 18.

Friauf, George F., Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Furnace for producing carbon black. 2,606,819, Aug. 12.

Frick, Chester A., Glendale, Calif. Coin released skill game apparatus. 2,581,644, Jan. 8.

Frick, Chester A., Glendale, assignor to L. M. Harvey, Los Angeles, Calif. Coin-controlled machine for issuing folders. 2,596,230, May 13.

Frick Company, assignee: *See*—
Garland, Milton W.
Kline, William O.

Frick, Harold L., Detroit, Mich., assignor to Hydraulic Brake Company. Brake adjusting mechanism. 2,587,831, Mar. 4.

Frick, Harold L., Detroit, Mich., assignor to Hydraulic Brake Company. Slave cylinder assembly. 2,587,832, Mar. 4.

Frick, Roy C.: *See*—
Rowe, William W., Spangler, and Frick.

Fricke, Guy C.: *See*—
Sloane, Robert W., Thomas, and Fricke.

Fricke, Guy C., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid purifying device. 2,609,932, Sept. 9.

Fricke, Howard H., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Vitamin B_{12} purification process. 2,582,589, Jan. 15.

Fricke, Howard H., Lake Villa, Ill., assignor to Abbott Laboratories. Ascorbic acid solution. 2,623,002, Dec. 23.

Fricke, Richard W., San Gabriel, assignor to G. G. Bakewell, South Pasadena, Calif. Toolholder. 2,591,692, Apr. 8.

Friddell, Roy, Galveston, Tex. Apparatus for cooking edible imitation hollow corncobs. 2,585,000, Feb. 12.

Fridell, Francis O.: *See*—
Darrah, Kermit L., and Fridell.

Friden Calculating Machine Co., Inc., assignee: *See*—
Ellerbeck, Grant C.
Grobl, Jon E.
Hopkins, George W.
Hopkins, George W., and Grobl.
Hopkins, George W., and Rolph.
Machado, Anthony B.
Machado, Anthony B., and Plunkett.
Marlow, Chester K.

Friderich, Gerhard J., Louisville, Ky. Safety vavive. 2,623,536, Dec. 30.

Friderici, Edwin D.: *See*—
Cogovan, Edward J., and Friderici.

Fridinger, Marie, Vienna, Austria. Separable and collapsible article simulating a Christmas tree. 2,611,688, Sept. 23.

Frie, George, assignor to Kramer Trenton Company, Trenton, N. J. Evaporating unit for heat exchange apparatus. 2,584,442, Feb. 5.

Fried, Celia, administratrix: *See*—
Fried, Ernest.

Fried, Ernest, deceased, New York, N. Y.; C. Fried, administratrix of said Ernest Fried, assignor to Fried Steel Equipment Mfg. Corp. Sheet metal transfer device. 2,603,338, July 15.

Fried, Krupp Elektrowerkstatten, assignee: *See*—
Schön, Ludwig, and Höwer.

Fried, Sherman M.: *See*—
Sheft, Irving, and Fried.

Fried Steel Equipment Mfg. Corp., assignee: *See*—
Fried, Ernest.

Friedel, Howard H., Westlake, Ohio, assignor, by mesne assignments, to the United States of America, as represented by the United States Atomic Energy Commission. Precipitation of zirconium hydroxide in a readily filterable form. 2,610,104, Sept. 9.

Frieden, Alexander, Whitefish Bay, and H. H. Geller, Milwaukee, Wis. Foam stabilization. 2,588,378, Mar. 11.

Frieden, Alexander, Whitefish Bay, and H. H. Geller, Milwaukee, Wis. Foam stabilizer and stabilizing foams. 2,588,379, Mar. 11.

Frieder, Leonard P.: *See*—
Finken, Walter S., and Frieder.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors to Reconstruction Finance Corporation, Philadelphia, Pa. Delay opening parachute pack and knife plunger releasing assembly therefor. 2,581,645, Jan. 8.

Frieder, Leonard P., Long Island, and W. S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Illuminating projectile. 2,604,849, July 29.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Delay opening parachute pack and pneumatic releasing assembly therefor. 2,606,729, Aug. 12.

Friederich, Alfred, Stuttgart, assignor to Phrix-Werke Aktiengesellschaft, Hamburg, Germany. Process and device for melting preferably organic products in an alternating high-frequency field. 2,623,155, Dec. 23.

Friedheim, Ernst A. H., New York, N. Y. Propylene glycol solution of arsenic medicaments. 2,593,434, Apr. 22.

Friedland, Samuel N., and W. F. Feinbloom, assignors to Champion Knitwear Company, Inc., Rochester, N. Y. Athletic garment or the like. 2,613,360, Oct. 14.

Friedlander, Gerhard: *See*—
Fehling, Hans R., and Friedlander.

Friedlander, Thomas A., Baltimore, Md. Chair construction. 2,615,505, Oct. 28.

Friedlander, William, assignor to Mono-Cam Limited, London, England. Fuel pump. 2,585,544, Feb. 12.

Friedler, Hans, Genoa, Italy. Indicator label. 2,587,989, Mar. 4.

Friedley-Voshardt Company, assignee: *See*—
Wieghart, Albert W.

Friedli, Robert, Jr., Irvington, N. J., assignor to Radio Corporation of America. Sleeve for indirectly heated cathode having an integral tab. 2,612,619, Sept. 30.

Friedlob, Bert J. and F. M., Chicago, Ill. Dental stick. 2,623,003, Dec. 23.

Friedlob, Fred M.: *See*—
Friedlob, Bert J. and F. M.

Friedlund, Gerhardt, Detroit, Mich. Lighted compact. 2,585,452, Feb. 12.

Friedman, Aaron, assignor to Joe Lowe Corporation, New York, N. Y. Confectionery packing table. 2,621,839, Dec. 16.

Friedman, Alex, Kommandit-Gesellschaft, assignee: *See*—
Hajek, Otto.

Friedman, Alvin H.: *See*—
Fleming, Harold W., and Friedman.
Hogan, John P., and Friedman.

Friedman, Alvin H., Kansas City, Mo., assignor to Phillips Petroleum Company. Regeneration of a carbonized Fischer-Tropsch catalyst. 2,605,234, July 29.

Friedman, Alvin H., Kansas City, Mo., and J. N. Moran, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalyst for the synthesis of hydrocarbons by reduction of carbon monoxide with hydrogen and utilizing same. 2,588,511, Mar. 11.

Friedman, Anna, New York, N. Y. Construction of slips. 2,591,799, Apr. 8.

Friedman, Arthur, and L. Silber, deceased, by R. Silber, administrator, assignors to Air Controls, Inc., Cleveland, Ohio. Multistep pulley. 2,599,821, June 10.

Friedman, Bernard S.: *See*—
Sanford, Robert A., and Friedman.

Friedman, Bernard S., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Copolymerizing ethylene with butadiene. 2,599,249, June 3.

Friedman, David, Chicago, Ill. Reproducing the human foot or any of the toes thereof by means of a preshaped flexible form impregnated with material capable of setting hard upon the application of moisture. 2,593,742, Apr. 22.

Friedman, Harold U.: *See*—
Kahn, Elliott H., Budka, and Friedman.

Friedman, Harry J., Forest Hills, N. Y. Calendar memorandum pad. 2,602,251, July 8.

Friedman, Jay L., New York, N. Y. Venetian blind slat construction. 2,620,869, Dec. 9.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Cold header. 2,599,053, June 3.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Forging. 2,599,706, June 10.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Feed clutch for cold headers. 2,613,776, Oct. 14.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Stock gauge trip apparatus. 2,615,355, Oct. 28.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Method and apparatus for making hollow articles. 2,621,344, Dec. 16.

Friedman, Joseph S.: *See*—
Harsh, Harold C., and Friedman.

Friedman, Martin I., assignee: *See*—
Dahlberg, Carl.

Friedman, Maurice, St. Paul, Minn., assignor to Galvanic Products Corporation, Valley Stream, N. Y. Rechargeable dry cell battery. 2,600,526, June 17.

Friedman, Max, High Point, N. C. Closure for container having a neck with a reduced outer portion and a bore, and seals for said bore and said reduced portion. 2,582,026, Jan. 8.

Friedman, Max, High Point, N. C. Container closure. 2,621,832, Dec. 16.

Friedman, Michael, assignee: *See*—
Stetser, George P.

Friedman, Robert G., assignor to The National Machinery Company, Tiffin, Ohio. Pressure gauge for forging presses. 2,622,440, Dec. 23.

Friedman, Samuel, Brooklyn, N. Y. Interchangeable or reversible carring. 2,610,487, Sept. 16.

Friedman, William D., assignee: *See*—
Hayman, George C.

Friedmann, Alex., Kommandit-Gesellschaft, assignee: *See*—
Etzel, Heinrich.
Nemetz, Gustav.

Friedmann, Giovanni, Milan, Italy. Injection mixer. 2,623,474, Dec. 30.

Friedrich, Ed, Inc., assignee: *See*—
Brinkoeter, Paul H.
Pabst, Richard E.

Friedrich, Ralph E.: *See*—
Jones, Giffin D., and Friedrich.

Friedrich, Robert E.: *See*—
Leeds, Winthrop M., Friedrich, and Fry.

Friedrich, Robert E., Pittsburgh, and J. Sucha, McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve mechanism. 2,619,356, Nov. 25.

Friedrich, Robert E., and C. G. Lentjes, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid-break circuit interrupter. 2,621,273, Dec. 9.

Friedrich, Roger: *See*—
Colin, Jules, Burr, Friedrich, and Herrgott.

Friedrich, Walter H.: *See*—
Cutchin, Theodore R., and Friedrich.

Friedrichsen, Wilhelm, Ludwigshafen-on-the-Rhein, Germany. Sulfonamido compounds. 2,603,639, July 15.

Friel, Roy L., Chicago, Ill. Printing press control means. 2,622,524, Dec. 23.

Friend, Albert W., Princeton, N. J., assignor to Radio Corporation of America. High-voltage power supply. 2,586,018, Feb. 19.

Friend, Albert W., Princeton, N. J., assignor to Radio Corporation of America. Voltage power supply. 2,594,006, Apr. 22.

Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Variable loss paramagnetic cores. 2,597,237, May 20.

Friend, Albert W., Cambridge, Mass., assignor to Radio Corporation of America. Pulse-time discriminator. 2,605,410, July 29.

Friend, Albert W., Princeton, N. J., assignor to Radio Corporation of America. Magnetic shield for cathode-ray apparatus. 2,605,433, July 29.

Friend, Albert W., Princeton, N. J., assignor to Radio Corporation of America. Beam alignment device. 2,611,003, Sept. 16.

Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Band pass voltage multiplier network for pulsed power supplies. 2,621,302, Dec. 9.

Friend, Albert W., and F. H. Nicoll, Princeton, N. J., assignors to Radio Corporation of America. Electron beam deflection system. 2,586,463, Feb. 19.

Friend, Albert W., Princeton, and A. T. Harding, Audubon, N. J., assignors to Radio Corporation of America. Comminuted ferromagnetic cores. 2,597,236, May 20.

Friend, David S.: *See*—
Newman, Robert J., and Friend.

Friend, Dawson: *See*—
Smith, Lowell J., and Friend.

Friend, Dawson, assignor to Stant Manufacturing Company, Connersville, Ind. Pressure relief radiator cap. 2,603,379, July 15.

Friend, Dawson, and L. J. Smith, assignors to Stant Manufacturing Company, Connersville, Ind. Valved cap for automobile radiators and the like. 2,596,070, May 6.

Friend, Frank C.: *See*—
Gabriel, Robert C., and Friend.

Fries, Peter, Jr., assignee: *See*—
Glubiak, Casper.

Friesner, Claude R., Loudon Heights, Loudonville, assignor to Albany Corrugated Container Corporation, Cohoes, N. Y. Brick pack. 2,596,071, May 6.

Friesner, Claude R., Loudon Heights, Loudonville, assignor to Albany Corrugated Container Corporation, Cohoes, N. Y. Form for use in making brick packs. 2,616,361, Nov. 4.

Frigid Transport Company, Inc., assignee: *See*—
Gilmore, Forrest E.

Frihart, Henry N., Brookfield, and E. B. Hassler, assignors to Motorola, Inc., Chicago, Ill. Television tuning apparatus with channel selecting switch. 2,598,247, May 27.

Friis, Harold T., Rumson, N. J. Window construction. 2,615,512, Oct. 28.

Frink, Gerald, assignor to Washington Iron Works, Seattle, Wash. Tower yarder assembly. 2,607,500, Aug. 19.

Frink, Russell E.: *See*—
Dickinson, Robert C., and Frink.

Frink, Russell E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,584,570, Feb. 5.

Frink, Russell E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,590,602, Mar. 25.

Frink, Russell E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air break circuit interrupter. 2,616,006, Oct. 28.

Frink, Russell E., and R. C. Dickinson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacturing spaced plate arc extinguishers. 2,610,937, Sept. 16.

Frisbie, Stewart E., Danville, and G. E. Weeks, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical breakdown testing apparatus. 2,589,070, Mar. 11.

Frisby Corporation, assignee: *See*—
Frisby, Frank D.

Frisby, Frank D., assignor to Frisby Corporation, St. Louis, Mo. Piston packing ring. 2,608,453, Aug. 26.

Frisch, Abraham H., New York, N. Y. Method of and apparatus for composing harmonic continuities. 2,619,867, Dec. 2.

Frisch, Benjamin N., Baltimore, assignor to G. R. Auer, Towson, Md. Composite laminated lacrosse stick. 2,596,894, May 13.

Frisch, Erling: *See*—
Baker, Benjamin P., and Frisch.
Baker, Benjamin P., Frisch, and Wilcox.

Frisch, Franz, assignor to Sandoz Limited, Basel, Switzerland. Acid disazo dyestuffs. 2,602,081, July 1.

Frisch, Hans R., Montreal, Quebec, Canada, assignor to United States Rubber Company, New York, N. Y. Synthesis of styrene oxide. 2,582,114, Jan. 8.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Superheater control. 2,593,435, Apr. 22.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for temperature regulation. 2,604,085, July 22.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,621,637, Dec. 16.

Frisch, Martin, New York, and S. N. Arnold, Dansville, assignors to Foster Wheeler Corporation, New York, N. Y. Bomb. 2,604,043, July 22.

Frischknecht, Otto, assignee: *See*—
Bossart, Adolf.

Frischmann, Joseph A., assignor to Towmotor Corporation, Cleveland, Ohio. Article gripping system for lift trucks. 2,596,895, May 13.

Frischmann, Joseph A., assignor to Towmotor Corporation, Cleveland, Ohio. Grab mechanism for industrial trucks. 2,604,220, July 22.

Frischmann, Joseph A., assignor to Towmotor Corporation, Cleveland, Ohio. Multiple roller fork assembly for motorized pallets. 2,618,490, Nov. 18.

Frischmann, Joseph A., and R. F. Oster, assignors to Towmotor Corporation, Cleveland, Ohio. Lift truck grab arm mechanism for cylindrical bodies. 2,596,477, May 13.

Friscoe, Ellen, assignee: *See*—
De Lorenzo, Fred P.

Frisk, Erik E., Duluth, Minn. Adjustable template. 2,612,700, Oct. 7.

Frisk, Marvin, assignee: *See*—
Jay, George.

Fritsche, Walter, Rio de Janeiro, Brazil. Toy dart projectile. 2,622,881, Dec. 23.

Fritschi, Hans: *See*—
Roehm, Erwin G., and Fritschi.

Fritschi, Walter W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse testing and test impulse generating set. 2,582,691, Jan. 15.

Fritter-Chef Corporation, assignee: *See*—
Wright, George J. and R. J.

Fritts, Kenneth M., Erie, Pa. Radius tangent dresser. 2,585,305, Feb. 12.

Fritts, Morris, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact spring. 2,587,458, Feb. 26.

Fritz, Dwain E., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Torsional drive shaft. 2,590,169, Mar. 25.

Fritz, Howard E., Ghent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rotary cyclic stress testing apparatus. 2,595,069, Apr. 29.

Fritz, Karl J., Johnstown, Pa. Universally adjustable support for X-ray cassettes. 2,598,529, May 27.

Fritz, Robert J.: *See*—
Nicholson, Edward W. S., Fritz, and Etherington.

Fritz, Robert J., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic reaction of isobutane and propylene to produce lubricating oil. 2,603,666, July 15.

Fritz, Wilfred J. J., Seattle, Wash., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Oil burner. 2,591,533, Apr. 1.

Fritz, Wilfred J. J., Seattle, Wash., assignor to Iron Fireman Manufacturing Company, Cleveland, Ohio. Air diffuser. 2,617,479, Nov. 11.

Fritz, William H., Mamaroneck, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Photoflash ignition apparatus and method. 2,584,858, Feb. 5.

Fritz, William H., Sr.: *See*—
Sloderbeck, William J., and Fritz.

Fritzberg, Lawrence H., Minneapolis, Minn. Heat exchange device. 2,587,720, Mar. 4.

Fritzberg, Lawrence H., Minneapolis, Minn. Conduit construction. 2,599,325, June 3.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for using tape. 2,582,979, Jan. 22.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Tape dispenser and applicator. 2,582,980, Jan. 22.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Tape feeding and severing. 2,623,588, Dec. 30.

Fritzlen, Thomas L., Hinsdale, Ill., assignor to Reynolds Metals Company, Richmond, Va. Medium-strength corrosion-resistant aluminum alloys. 2,601,206, June 17.

Frobe, Paul W.: *See*—
McDonald, Donald, and Frobe.

Froedge, Andrew, Chicago, Ill. Automatic clamp for pipe bending machines. 2,583,479, Jan. 22.

Froedge, James R.: *See*—
Storrs, Arnold B., and Froedge.

Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Clamped hold-down strap. 2,581,646, Jan. 8.

Froelich, Gunnar C.: *See*—
Hoopes, Penrose R., and Froelich.

Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Preparing barium silicate phosphor. 2,597,631, May 20.

Frohlich, Willy O., Philadelphia, Pa. Marine propelling and steering mechanism. 2,586,019, Feb. 19.

Frohman, Ernest L., Mount Vernon, N. Y. Replaceable pocket and applying the same. 2,591,059, Apr. 1.

Frohnapel, Alvah V., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Flexible leaf hinge. 2,592,411, Apr. 8.

Frohnapel, Alvah V., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Lid for refrigerating apparatus. 2,592,412, Apr. 8.

Frohnapel, Alvah V., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Closure for open-top refrigerator cabinet. 2,617,481, Nov. 11.

Frohner, Rudolph C.: *See*—
Schutzer, Henry E., and Frohner.

Frohring, William O., Newbury Township, Geauga County, Ohio. Tractor hitch and drive means for portable concrete mixers. 2,594,904, Apr. 29.

Frolich, Louise K., Kansas City, Mo. Storage box for clothes. 2,613,805, Oct. 14.

Fromm, Kenneth N., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Balanced input high-frequency amplifier. 2,613,285, Oct. 7.

Fromm, Marvin M., Greensburg, and J. S. Johnson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inorganic rope impregnated with resin and coils blocked therewith. 2,602,829, July 8.

Fromm, Winfield E.: *See*—
Schmitt, Otto H., Fromm, Falls, Barnes, and Avery.

Frommelt, Horace A.: *See*—
See, Theodore S., and Frommelt.

Frommer, Joseph C., Cincinnati, Ohio. Apparatus for the measurement of high-frequency power. 2,585,001, Feb. 12.

Frommer, Joseph C., Cincinnati, Ohio. High-frequency power measurement utilizing a dynamometer having currents proportional to peak voltage swing and average current. 2,606,216, Aug. 5.

Fromson, Howard A., New York, N. Y. Abrasive wire brush for internal grinding and cutting. 2,608,034, Aug. 26.

Frontel, Joseph H., assignor to The Frontel Net & Twine Corp., East Hampton, Conn. Knot and making the same. 2,619,704, Dec. 2.

Frontel Net & Twine Corp., assignee: *See*—
Frontel, Joseph H.

Fross, Arthur E., Basel, Switzerland, assignor to International Carbon-Black Corporation Ltd., Vaduz, Liechtenstein. Apparatus for explosive conversion of hydrocarbon gases to carbon black. 2,619,410, Nov. 25.

Frost, Arthur G., Flint, Mich. Variable-speed mechanism. 2,596,231, May 13.

Frost, Clarence M., assignor to Frost Vending Machine Co., Milton, Mass. Coin-controlled unit for slot machines. 2,580,906, Jan. 1.

Frost, Ellis M., Jr., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of the Interior. Apparatus and procedure for the determination of helium in gases. 2,601,272, June 24.

Frost, Gustave, Long Beach, assignor to Andrew Geller, Inc., Brooklyn, N. Y. Machine for operating on shoe soles. 2,603,803, July 22.

Frost, Harold, Jr.: *See*—
Bryant, William C., and Frost.

Frost, Jack, A. T. Mickle, and P. R. Pettey, Dallas, Tex.; said Mickle and said Pettey assignors to said Frost. Kiln. 2,623,740, Dec. 30.

Frost, Jack L., Tucson, Ariz. Trailer dolly. 2,608,416, Aug. 26.

Frost, Lawrence W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluorine-containing organosilicon compounds. 2,596,967, May 20.

Frost, Marvin D.: *See*—
Spurlino, Pascal, and Frost.

Frost, Orcutt W.: *See*—
Willey, Grant S., and Frost.

Frost, Orcutt W., Highland Park, and J. H. Conover, assignors to United States Gypsum Company, Chicago, Ill. Concrete form lining material. 2,608,911, Sept. 2.

Frost, Thomas B., assignee: *See*—
Hoyt, Karl R.

Frost Vending Machine Co., assignee: *See*—
Frost, Clarence M.

Frost, Walter S., Somerville, Mass., assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y. Octaglycine dihydroheptiodide and making the same. 2,583,558, Jan. 29.

Frost, Walter S., Somerville, Mass., assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y. Tetraglycine dihydroheptiodide and making the same. 2,583,559, Jan. 29.

Frowe, Eugene, Houston, Tex., assignor to Robert H. Ray Co. Magnetometer. 2,584,571, Feb. 5.

Fruehauf, Roy R.: *See*—
Steven, George, and Fruehauf.

Fruh, Arthur W., Chicago, Ill. Trap switch. 2,607,866, Aug. 19.

Früh, Jakob, Degersheim, Switzerland. Potato digger. 2,623,342, Dec. 30.

Fruithof, Barend G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for undertaking loss-angle measurements. 2,608,605, Aug. 26.

Fruit Treating Corporation, assignee: *See*—
Byington, James A.

Frum, Alexander, Far Rockaway, assignor to International Standard Electric Corporation, New York, N. Y. Localizer and glide path system. 2,586,810, Feb. 26.

Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray tube sweep system. 2,585,002, Feb. 12.

Frumin, Morris: *See*—
Hannum, John A., and Frumin.

Fruth, Hal F., Skokie, Ill. Air purification device. 2,593,869, Apr. 22.

Fry, Ashford B.: *See*—
Kirk, Roy C., Fry, and George.

Fry, Benjamin W., Ladue, assignor to National Vendors, Inc., St. Louis, Mo. Magazine structure for article dispensing apparatus. 2,594,147, Apr. 22.

Fry, Charles H., assignor to Dean Rubber Manufacturing Company, North Kansas City, Mo. Apparatus for testing and sorting thin rubber goods. 2,609,094, Sept. 2.

Fry, Clifford W., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Cover knob. 2,590,395, Mar. 25.

Fry, Cyril H., Windsor, Ontario, Canada. Self-tightening weatherstrip. 2,589,364, Mar. 18.

Fry, Douglas J.: *See*—
Collins, Ronald B., Fry, and Pratt.
Kendall, John D., and Fry.

Fry, Douglas J., and J. D. Kendall, assignors to Ilford Limited, Ilford, England. Fibrous synthetic material of improved whiteness or color. 2,620,282, Dec. 2.

Fry, Eric S. J.: *See*—
Armitage, Frank, and Fry.

Fry, Francis J.: *See*—
Leeds, Winthrop M., Friedrich, and Fry.

Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Stroke variation device for winding machines. 2,586,020, Feb. 19.

Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for the liquid treatment of yarns and the like. 2,608,850, Sept. 2.

Frye, Enoch M., Melrose, Mass., assignor to General Electric Company. Self-locking counterweight. 2,585,646, Feb. 12.

Frye, Jack, Sedona, Ariz. Roll film camera. 2,591,417, Apr. 1.

Frye, Jack, Sedona, Ariz. Heat sealing device. 2,598,900, June 3.

Frye, Jack, Sedona, Ariz. System for eliminating static interference. 2,601,510, June 24.

Frye, Jack, Sedona, Ariz. Bilge water ejector for outboard motorboats. 2,604,867, July 29.

Frye, Jack, Sedona, Ariz. Heat-sealing tool. 2,615,113, Oct. 21.

Frye, Robert G., Columbus, Ohio. Dipper teeth. 2,623,309, Dec. 30.

Frye, Sanders A., Westerville, Ohio, assignor, by mesne assignments, to American Machine and Foundry Company, Brooklyn, N. Y. Pit discharging apparatus for bowling alleys. 2,622,879, Dec. 23.

Frye, William E., Washington, D. C. Double pulse generator. 2,589,240, Mar. 18.

Fryer, Gilbert N., Arcadia, Calif. Pencil sharpener. 2,615,426, Oct. 28.

Fryer, Ross L., Jr., Schenectady, assignor to American Locomotive Company, New York, N. Y. Exhaust manifold for internal-combustion engines. 2,611,238, Sept. 23.

Frykdahl, Carl E. H., assignor to The Coolerator Company, Duluth, Minn. Refrigerator cabinet. 2,582,862, Jan. 15.

Fryling, Charles F.: *See*—
Reynolds, William B., and Fryling.
Uraneck, Carl A., St. John, Fryling, and Troyan.

Fryling, Charles F., Phillips, Tex., assignor to Phillips Petroleum Company. Stabilized redox compositions. 2,581,402, Jan. 8.

Fryling, Charles F., Phillips, and A. E. Follett, Borger, Tex., assignors to Phillips Petroleum Company. Reaction rate of an emulsion polymerization process. 2,588,975, Mar. 11.

Fryling, Charles F., and J. E. Troyan, Phillips, Tex., and J. E. Pritchard, La Fayette, Ind., assignors to Phillips Petroleum Company. Emulsion polymerization in the presence of a dioxane. 2,604,466, July 22.

Fryling, Charles F., Phillips, and C. A. Uraneck, Borger, Tex., assignors to Phillips Petrolum Company. Emulsion polymerization in systems containing an organic hydroperoxide. 2,609,362, Sept. 2.

Fryling, Charles F., and J. E. Troyan, Phillips, Tex., assignors to Phillips Petroleum Company. Use of methanol in emulsion polymerization. 2,609,366, Sept. 2.

Fua, Frederic, assignor to X-Ray Electronic Corporation, New York, N. Y. Method and apparatus for calibration of X-ray gauges. 2,582,774, Jan. 15.

Fua, Frederic A., New York, N. Y. Method and apparatus for the employment of radiation from radioactive material in gauging. 2,582,981, Jan. 22.

Fubini, Eugene G., Garden City, N. Y. System for designing mechanical structures. 2,601,382, June 24.

Fuch, Henry O.: *See*—
Bordé, Harry J., and Fuchs.

Fuchs, Charles F.: *See*—
Bernstein, Herbert L., and Fuchs.

Fuchs, Eli, Highland Park, N. J. Automatic cylindrical printing apparatus. 2,598,047, May 27.

Fuchs, Eugene A., Atlanta, Ga. Closure for containers. 2,619,253, Nov. 25.

Fuchs, Fritz E.: *See*—
Todd, Raymond W., and Fuchs.

Fuchs, Henry O.: *See*—
Anderson, Paul Z., and Fuchs.

Fuchs, Karl, Nurnberg, Germany. Automatically steerable toy vehicle. 2,606,402, Aug. 12.

Fuchs, Otto, assignor to J. R. Geigy A.G., Basel, Switzerland. Reserved polyamide fibers and dyeing the same. 2,623,806, Dec. 30.

Fuchs, Paul E., Colorado Springs, Colo. Edge illuminated sign. 2,617,221, Nov. 11.

Fuchs, Paul E., Colorado Springs, Colo. Edge illuminated sign. 2,623,313, Dec. 30.

Fuchslocher, Theodor F. E., Van Nuys, assignor, by mesne assignments, to J. G. Moran, Burbank, Calif. Closure. 2,605,939, Aug. 5.

Fuegeman, Ada, assignee: *See*—
Evers, Alfred.

Fuel Charger Corporation, assignee: *See*—
Parsons, Ben G.

Fuel Reduction Engineers, Inc., assignee: *See*—
Wadenstein, Oscar E.

Fuel Research Corporation, assignee: *See*—
Stillman, Albert L.

Fuentes, Alicia C., New York, N. Y. Sanitary napkin protector. 2,587,459, Feb. 26.

Fuentes, Gabriel P., Bronx, N. Y. Combined comb and brush. 2,610,637, Sept. 16.

Fuentes, Gabriel P., Bronx, N. Y. Rearview mirror unit. 2,619,008, Nov. 25.

Fuentes, Pablo G., Bronx, N. Y. Air heater. 2,620,168, Dec. 2.

Fuerst, Carl, New York, assignor to Gleitsman's, Inc., Long Island City, N. Y. Clothes hamper. 2,607,653, Aug. 19.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter, including adjustable flash synchronizing means. 2,596,671, May 13.

Fuerst, Edwin W., Toledo, Ohio. Display carton. 2,592,678, Apr. 15.

Fugassi, James P., Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Nitrogen production. 2,605,170, July 29.

Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Clutch brake motor. 2,617,051, Nov. 4.

Fuge, Karl W., assignor to James Manufacturing Company, Fort Atkinson, Wis. Three-hinged arch truss. 2,612,854, Oct. 7.

Fugelstad, Johan O., Stockholm, Sweden. Fireproof door construction. 2,622,547, Dec. 23.

Fuglie, Elmer A., assignor to Winona Tool Mfg. Company, Winona, Minn. Apparatus for cleaning parts and for separated suspended particles from liquids. 2,595,838, May 6.

Fuhr, Henry, Milwaukee, Wis. Combination work positioning and holding tool for layout and light finishing of work. 2,589,489, Mar. 18.

Fuhrman, Albert W.: *See*—
Comerford, Robert E., Fuhrman, and Marous.

Fuhrmeister, Charles, Jr., Maplewood, N. J., assignor to Oliver United Filters Incorporated, Oakland, Calif. Filter. 2,588,976, Mar. 11.

Fukal, Alfred F., Cambridge, assignor to W. W. Welch, Cincinnati, Ohio. Portable electric fan. 2,590,952, Apr. 1.

Fukal, Alfred F., assignor to W. A. Bruck, Houston, Tex. Cigarette lighter. 2,603,076, July 15.

Fuld, Walter S., New York, N. Y. Cutter for onions and the like. 2,609,023, Sept. 2.

Fulk, James B., assignor of one-half to F. Ross, Green Bay, Wis. Method and apparatus for making manifold forms. 2,602,665, July 8.

Fulke, Frank L.: *See*—
Elles, Albert C., and Fulke.

Fulke, Frank L., Terre Haute, Ind. Speed wrench. 2,609,718, Sept. 9.

Fuller, Albert C., Long Beach, Calif. Burnishing tool. 2,606,360, Aug. 12.

Fuller, Alfred H., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Vacuum cleaner with nozzle and dust separating means in a common housing. 2,618,007, Nov. 18.

Fuller Brush Company, The, assignee: *See*—
Fuller, Alfred H.
Le Febvre, Alfred L.
Le Febvre, Alfred L., Smith, and Groskritz.
Vose, Robert W., and Hargreaves.
Vose, Robert W., Le Febvre, and Hargreaves.

Fuller Company, assignee: *See*—
Narsted, John.

Fuller, Frank W., St. Paul, Minn. Shaker for granular substances. 2,599,755, June 10.

Fuller, George: *See*—
Williamson, Charles D., and Fuller.

Fuller, Lacey E., Coeburn, Va. Container perforator. 2,595,653, May 6.

Fuller, Lawrence C., Jr., Ardmore, Pa., assignor to Radio Corporation of America. Audio limiter circuits. 2,610,252, Sept. 9.

Fuller, Lawrence J., Philadelphia, assignor to Welding Engineers, Inc., Norristown, Pa. Material treating apparatus. 2,615,199, Oct. 28.

Fuller Manufacturing Co., assignee: *See*—
Trail, Herbert H.

Fuller, Milford E., assignor to Vickers-Armstrongs Limited, London, England. Applying lace and like ornamental edging to boxes. 2,600,105, June 10.

Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Remote-control selector device. 2,612,710, Oct. 7.

Fuller, Robert A., assignor to Selas Corporation of America, Philadelphia, Pa. Burner and nozzle tip for projecting hot products of combustion. 2,614,619, Oct. 21.

Fuller, Roger E.: *See*—
Garlinger, Charles D., and Fuller.

Fuller, Stuart L., Royal Oak, Mich. Vehicle turn indicating switch. 2,611,046, Sept. 16.

Fuller, Ward M., Sandusky, Ohio. Foot support. 2,600,864, June 17.

Fullwood, Edward F., Madison, Wis., assignor to Air Reduction Company, Incorporated, Murray Hill, N. J. Adjustable clamp. 2,622,831, Dec. 23.

Fulmer, Mae M., Portland, Oreg. Doughnut cutting machine. 2,585,379, Feb. 12.

Fuls, Charles C., near New Lebanon, Ohio. Self-feeder. 2,612,137, Sept. 30.

Fulton, Arthur F., Selma, Iowa. Bubble producing toy. 2,606,395, Aug. 12.

Fulton, Charles D.: *See*—
Ipsen, David C., and Fulton.

Fulton, Charles D., Scotia, N. Y., assignor to General Electric Company. Liquid fuel metering and spraying system. 2,590,853, Apr. 1.

Fulton Company, The, assignee: *See*—
Riemann, Howard C.

Fulton, Fred P., Long Beach, Calif. Bedcover support. 2,607,933, Aug. 26.

Fulton, Roy R., Dayton, assignor of twenty-five per cent to R. A. Miller, Greenville, Ohio. Drain cleaning device. 2,583,694, Jan. 29.

Fulton, Stephen M.: *See*—
Taylor, Matthew M., and Fulton.

Fultz, Allen R., assignor to Eastman Kodak Company, Rochester, N. Y. Contour projector. 2,592,264, Apr. 8.

Fultz, Allen R., and R. J. Hudak, assignors to Eastman Kodak Company, Rochester, N. Y. Optical system for the inspection of curved profiles. 2,607,267, Aug. 19.

Fulvio, Bruno G., Arcadia, Calif. Fishhook tying fixture. 2,601,605, June 24.

Fulwal Chemical Corporation, The, assignee: *See*—
Zeiss, Harold H.

Fumagalli, Charles, Guatemala City, Guatemala. Wind-driven turbine or propeller with electric generator and control devices. 2,583,369, Jan. 22.

Funck, William G., Florissant, Mo. Picket fence construction. 2,584,690, Feb. 5.

Functional Music, Inc., assignee: *See*—
Feiner, Nathaniel, and Gershater.

Funderburk, Joe C.: *See*—
Drew, John, and Funderburk.

Fundingsland, Laurence O., Denver, Colo. Clutch mechanism for rod weeder attachments. 2,603,137, July 15.

Funk, Bernard, assignor to Annex Manufacturing Co., Inc., New York, N. Y. Magnetic clamp. 2,607,307, Aug. 19.

Funk, Lewis D., Whittier, assignor of one-half to P. Greening, Norwalk, Calif. Soil fumigating apparatus. 2,580,755, Jan. 1.

Funk, Robert L.: *See*—
Brandau, Karl J., and Funk.

Funk, Robert V., assignee: *See*—
Ennis, George H., and W. W.

Funk, William: *See*—
Johns, Stanley S., and Funk.

Funke, Emil: *See*—
Peddinghaus, Werner, and Funke.

Funke, Fred W., Oakland, Calif. Flame gun. 2,001,893, July 1.

Funke, Lawrence J., assignor to Bar-B-Buns, Incorporated, Cincinnati, Ohio. Sandwich grill. 2,582,692, Jan. 15.

Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Two-way valve. 2,583,169, Jan. 22.

Funnell, Kenneth R., assignor to Funnells Inventions Limited, Blenheim, Marlborough, New Zealand. Stub axle or the like hinged assembly. 2,613,091, Oct .7.

Funnells Inventions Limited, assignee: *See*—
Funnell, Kenneth R.

Fuqua, Homer B., and R. H. Covert, Tucumcari, N. Mex. Valved piston well pump. 2,615,400, Oct. 28.

Furczyk, Alfons A., assignor to Selas Corporation of America, Philadelphia, Pa. Mixing machine. 2,603,558, July 15.

Fürer, Alphons, Solothurn, Switzerland. Sight card index. 2,601,854, July 1.

Furkert, Annette, executrix: *See*—
Furkert, Ernst A.

Furkert, Ernst A., deceased, Chicago, Ill.; A. Furkert, executrix of E. A. Furkert. Internally fired gas burner. 2,623,579, Dec. 30.

Furlong, Donn B., Oakland, assignor of one-third to E. Weil, San Francisco, and one-third to J. J. Bruno, San Bruno, Calif. Icebox cooky cutter and method. 2,583,940, Jan. 29.

Furlong, Francis A.: *See*—
Landgraf, Theodore H., and Furlong.

Furman, Eugene C., Hampton, Va. Lenk sealing device. 2,586,640, Feb. 19.

Furman, Frank J.: *See*—
Mills, Albert W., Furman, and Rabenda.

Furman, Frank J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Punch. 2,580,756, Jan. 1.

Furman, Frank J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Key actuated punch. 2,620,877, Dec. 9.

Furman, Frank J., Endicott, H. L. Read, Vestal, and H. J. Kistner, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Ten-key keyboard mechanism for accounting machines. 2,615,633, Oct. 28.

Furnace Engineers, Incorporated, assignee: *See*—
Huckestein, Nicholas W.

Furnace, James B.: *See*—
Dale, Allan L., and Furnace.

Furnald, Harry W., deceased, Buffalo, N. Y.; M. A. Furnald, administratrix. Method and apparatus for increasing the traction of vehicle tire treads. 2,623,591, Dec. 30.

Furnald, Marie A., administratrix: *See*—
Furnald, Harry W.

Furnas Electric Company, assignee: *See*—
Cobb, Harold E.
Cobb, Harold E., and Furnas.
Cobb, Harold E., and Koertge.
Hansen, Gilbert H.

Furnas, William C.: *See*—
Cobb, Harold E., and Furnas.

Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Philadelphia, Pa. Thread advancing device. 2,606,358, Aug. 12.

Furness Withy & Company Limited, assignee: *See*—
Fearfield, George F., and Parsons.

Furniss, Loree E.: *See*—
Settles, James C., and Furniss.

Furrer, Josef, Altdorf, Switzerland. Roof and wall covering. 2,585,760, Feb. 12.

Furry, Lewis P., Santa Rosa, Calif. Mobile bathing and lift apparatus. 2,604,638, July 29.

Fürst, Stefan, Munchen-Gladbach, assignor to W. Reiners, Waldniel/Niederrhein, Germany. Tracing device for the pirns of pirn winding machines. 2,622,809, Dec. 23.

Furzehill Laboratories Limited, assignee: *See*—
Milson, Frederick R.

Fusco, Carl J., San Francisco, Calif. Treating dried fruit. 2,622,033, Dec. 16.

Fusco, Carlo J., Chicago, Ill. Multiple disk filter. 2,590,242, Mar. 25.

Fusco, Carlo J., San Francisco, Calif. Center screw filter. 2,586,021, Feb. 19.

Fusco, Victor C., Youngstown, assignor to Mathieson Chemical Corporation, New York, N. Y. Production of halophenoxy acetic acids. 2,599,250, June 3.

Fusco, Victor C., Fort Niagara, Youngstown, and W. E. Noyes, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Making isopropyl-2,4,5-trichlorophenoxyacetate. 2,621,207, Dec. 9.

Fusner, George R., and C. J. Walker, Schenectady, N. Y., assignors to General Electric Company. Safety control system for cooling a gas turbine power plant on shutdown. 2,617,253, Nov. 11.

Fussell, Henry A., Atlanta, Ga. Clothes stand. 2,604,214, July 22.

Futterer, Frances L., executrix: *See*—
Futterer, Wolfram A.

Futterer, Wolfram A., deceased, Woodstock, Ill.; F. L. Futterer, executrix, assignor to Broiler Equipment Company, Parsonsburg, Md. Poultry drinking valve. 2,614,531, Oct. 21.

Futterknecht, Leo E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Reversible sponge cushion. 2,619,659, Dec. 2.

Future Products, Inc., assignee: *See*—
Lawson, George S., and J. C.

Fyffe, Evelyn M., Detroit, Mich. Brassière. 2,592,265, Apr. 8.

Fyle, James W., Jr.: *See*—
Struben, Francis L., and Fyle.

Fyler, George W., Lombard, Ill., assignor to Motorola, Inc. Vertical sweep generator. 2,597,092, May 20.

Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Automatic gain control. 2,606,247, Aug. 5.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Radio detection and ranging system. 2,616,078, Oct. 28.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Radio apparatus for indicating speed and course of objects. 2,617,093, Nov. 4.

Fyler, George W., Lombard, and R. R. Wingert, assignors to Motorola, Inc., Chicago, Ill. Tuner. 2,584,120, Feb. 5.

Fyler, George W., Lombard, and R. M. Crooker, assignors to Motorola, Inc., Chicago, Ill. Television sweep system. 2,611,106, Sept. 16.

Fyr Fyter Company, The, assignee: *See*—
Somers, Charles H., and Willis.

G. B. Co., assignee: *See*—
Atwood, Rawson, and L'Allemand.

G. E. S. Devices Corp., assignee: *See*—
Long, Herbert J.

G. H. Patents Limited, assignee: *See*—
Hayes, George.

G. M. Engineering Co., Inc., assignee: *See*—
Gamaunt, Leon E., Sr.

G-M Laboratories, Inc., assignee: *See*—
Burian, Kurt.
Kitto, William H.
Kitto, William H., and Burian.
McMaster, Archie J.
McMaster, Archie J., and Kitto.

G. M. Manufacturing Company, assignee: *See*—
Kahl, Joseph, and Muller.

G. W. B. Electric Furnaces Limited, assignee: *See*—
Head, Alec.

G & Z Automatic Products Company, assignee: *See*—
Ziegler, Irvin J.

Gaasbeck, Cornelius, Brooklyn, N. Y. Container opener. 2,600,866, June 17.

Gabbert, Holmes B., Portland, Oreg. Intaglio printing and embossing press. 2,623,457, Dec. 30.

Gabel, Joseph W., Sugar Grove, Ohio, and S. A. Loukomsky, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Reference signal generator for flickering beam photometers. 2,590,693, Mar. 25.

Gabilan Iron and Machine Co., assignee: *See*—
King, Earle M.

Gabler, Josef, Zurich, Switzerland. Screw actuated dispensing mechanism and refill unit therefor. 2,599,379, June 3.

Gabler, Josef, Zurich, Switzerland. Dispenser of pasty substances from replaceable inner containers having threaded followers. 2,605,936, Aug. 5.

Gabriel Company, The, assignee: *See*—
Creaser, Charles W., Jr.
Patriquin, William G.
Schwary, Robert E.
Soos, Joseph.
Trebules, Victor W.

Gabriel, Ernest M.: *See*—
Edenfield, Eli E., and Gabriel.

Gabriel, Robert C., and F. C. Friend, Decatur, Ill. Can opener. 2,622,317, Dec. 23.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Advertising display clock. 2,586,641, Feb. 19.

Gabrielson, Elmer T., Yacolt, Wash. Concrete form clamp. 2,581,403, Jan. 8.

Gabrielson, James B., Montebello, Calif. Building construction roll supporting reel. 2,614,770, Oct. 21.

Gabrielson, Samuel: *See*—
Sinks, Allen T., Pfuntner, and Gabrielson.

Gadd-Claxton, Claude, Nkana Mine, Northern Rhodesia. Device for the manufacture of honeycombs. 2,602,941, July 15.

Gaddis, Bevy M., Washington, D. C., dedicated to the free use of the People in the territory of the United States. Combination dusting and spraying machine. 2,583,560, Jan. 29.

Gaddis, Gene T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,581,525, Jan. 8.

Gaddoni, Louis, New Rochelle, N. Y. Gasoline economizer valve. 2,581,478, Jan. 8.

Gaddoni, Louis, New Rochelle, N. Y. Gasoline economizer. 2,616,445, Nov. 4.

Gadellus, Mayvor K., Stockholm, Sweden. Arrangement for portioning out paste and similar materials. 2,623,659, Dec. 30.

Gadkowski, Walter I.: *See*—
Brower, William P., and Gadkowski.

Gaenssle, Paul W., Ambler, assignor to The Budd Company, Philadelphia, Pa. Brake mechanism. 2,622,705, Dec. 23.

Gaenssle, Paul W., Ambler, and J. H. Coombes, Jenkintown, assignors to The Budd Company, Philadelphia, Pa. Disk brake mechanism. 2,622,704, Dec. 23.

Gaerlich, Raymond, Jordan, assignor to Continental Machines, Incorporated, Savage, Minn. Gauge block finishing. 2,588,227, Mar. 4.

Gaetano, Lawrence J., assignor to The American Windshield & Specialty Co., Milford, Conn. Fireplace screen. 2,604,157, July 22.

Gafanesch, André: *See*—
Colin, Jules, Burr, and Gafanesch.

Gaffer, Edward J.: *See*—
Gaffer, Martin A., and E. J.

Gaffer, Martin A., Goshen, and E. J., Fort Wayne, Ind. Brush holder and guide. 2,610,344, Sept. 16.

Gaffield, Eli W., assignee: *See*—
Ruppert, Clarence J.

Gaffney, Donald J., assignor to Fisher Governor Company, Marshalltown, Iowa. Pneumatically operated diaphragm motor. 2,601,511, June 24.

Gafford, William T., Flint, Mich. Protector attachment for soda fountain mixers. 2,587,135, Feb. 26.

Gagan, Raymond J.: *See*—
Crossley, Charles N., Gagan, Karlen, and Peters.

Gage, Charles S., Santa Monica, Calif. Corner unit. 2,616,131, Nov. 4.

Gagen, Charles V.: *See*—
Gray, William E., and Gagen.

Gagen, Charles V., La Fayette, assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft equalizing brake control valve. 2,616,641, Nov. 4.

Gager, Frank M., Hyattsville, Md., and J. M. Headrick, Washington, D. C. Bridge oscillator. 2,611,873, Sept. 23.

Gagnan, Emile, and J. Y. Cousteau, said Gagnan assignor to L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Compressed gas container with reducing valve and auxiliary opening means therefor. 2,598,248, May 27.

Gagne, Antoine F., Jr.: *See*—
Dauber, Adolph F., Gagne, and Johnson.

Gagnebin, Albert P.: *See*—
Millis, Keith D., Gagnebin, and Pilling.

Gagnier Fibre Products Company, assignee: *See*—
Gagnier, George E.

Gagnier, George E., assignor to Gagnier Fibre Products Company, Detroit, Mich. Self-supporting molded structure. 2,601,512, June 24.

Gagnier, George E., assignor to Gagnier Fibre Products Company, Detroit, Mich. Weatherstrip construction. 2,607,965, Aug. 26.

Gagnon, George E., Metachewan, Ontario, Canada. Mine cage safety device. 2,586,217, Feb. 19.

Gahagan, Charles L., Greensburg, Pa. Rotor head for helicopters. 2,599,822, June 10.

Gaidos, Alonzo F., Redwood City, Calif. Selective fire converter for semiautomatic firearms. 2,587,460, Feb. 26.

Gaidos, Alonzo F., Redwood City, Calif. Automatic hammer safety for automatic guns. 2,590,854, Apr. 1.

Gailloud, Louis, Geneva, Switzerland. Apparatus for measuring the heat supplied by a flow of liquid at variable temperature. 2,582,324, Jan. 15.

Gaines, Frank E., Alhambra, assignor to Aerol Co., Inc., Burbank, Calif. Sealed wheel. 2,617,698, Nov. 11.

Gaines, Sylvia B.: *See*—
Green, Hortense B., and Gaines.

Gaines, Wilbur L., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit. 2,595,667, May 6.

Gaines, Wilbur L., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit. 2,608,890, July 8.

Gainey, Walter E.: *See*—
McDermott, John E., and Gainey.

Gair, Robert, Company, Inc., assignee: *See*—
Ahlmeyer, Heinz, and Sherman.
Blackwell, Preston J.
Page, Louis R., Jr., and Croasdale.
Toronto, Thomas.
Troth, John S.
Weiss, Arthur J.

Gairing, Emil: *See*—
Miller, John N., and Gairing.

Gaiser, Romey A.: *See*—
Watkins, George B., and Gaiser.

Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass structure and making the same. 2,584,859, Feb. 5.

Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Electrically conducting surface and producing same. 2,602,032, July 1.

Gaisset, Edmond E. J., Carcassonne, Aude, France. Extensible pulley. 2,603,978, July 22.

Gakenheimer, Walter C., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Enteric coated pyranisamine. 2,598,530, May 27.

Gakenheimer, Walter C., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Sulfonamide choline compounds and process. 2,603,641, July 15.

Galaher, Abbott S., North Andover, assignor to Emmons Loom Harness Company, Lawrence, Mass. Metal harness heddle and assembly. 2,623,547, Dec. 30.

Galamb, Joseph A., Detroit, assignor to F. Hanshaw, Port Huron, Mich. Fowl-picking apparatus. 2,581,183, Jan. 1.

Galan, Louis, Pittsburgh, Pa. Textile printing machine. 2,614,490, Oct. 21.

Galanty, Harold E.: *See*—
Paulson, Arthur W., Hornung, and Galanty.

Galasso, Anthony A., assignor to Western Electric Company, Incorporated, New York, N. Y. Battery holder. 2,589,071, Mar. 11.

Galbois, Auguste G., assignor of fifty per cent to M. Belanger, Hollywood, Calif. Vehicle compass. 2,594,148, Apr. 22.

Galbraith, Alexander W., Houston, Tex. Producing threaded tube ends. 2,621,701, Dec. 16.
Galbraith, Den J., Plainfield, N. J. Tool for seating wastes. 2,605,664, Aug. 5.
Galbraith, William G., W. T. Williams, and C. T. Abraham, Kansas City, Mo. Fishhook rack. 2,614,359, Oct. 21.
Galbrecht, Frank I.: *See*—
Sabel, Edward R., and Galbrecht.
Gale, Andrew T., assignor to Chrysler Corporation, Highland Park, Mich. Shock absorber mounting. 2,606,756, Aug. 12.
Gale, David: *See*—
Bell, Persa R., Jr., and Gale.
Gale, Ronald: *See*—
Turquette, Clyde C., Jr., and Gale.
Gale, William S.: *See*—
Willard, Hobart H., and Gale.
Galeazi, Walter, San Francisco, Calif. Automatic temperature regulation. 2,584,691, Feb. 5.
Galhouse, Leonard B., and H. N. Lurie, Chicago, Ill. Correcting foot deformities. 2,589,241, Mar. 18.
Galinski, Leo L.: *See*—
Henry, Earle G., and Galinski.
Gallon Iron Works & Manufacturing Company, The, assignee: *See*—
Arndt, Franklin E.
Wright, Fred J.
Galitzenstein, Eugen: *See*—
Salt, Francis E., Webster, and Galitzenstein.
Galitzenstein, Gertrud, legal representative: *See*—
Salt, Francis E., Webster, and Galitzenstein.
Galkin, Joseph, New York, N. Y. Belt loop sewing machine. 2,585,306, Feb. 12.
Galkin, Joseph, New York, N. Y. Attachment for blindstitch sewing machines. 2,585,307, Feb. 12.
Gall, John F., Narberth, and H. C. Miller, Wyndmoor, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of metallic fluorides. 2,615,232, Oct. 28.
Gall, Norman A., Toledo, Ohio. Tape dispenser. 2,612,322, Sept. 30.
Gallagher, Charles B., Red Bank, N. J. Transfer stamping machine. 2,597,145, May 20.
Gallagher, Charles J., Schenectady, N. Y., assignor to General Electric Company. Arc welding electrode. 2,594,905, Apr. 29.
Gallagher, David M., Milford, Conn. Window cleaning device. 2,603,811, July 22.
Gallagher, Dudley M., Berwyn, Ill., assignor to Corn Products Refining Company, New York, N. Y. Preparation of glucuronic acid and derivatives thereof. 2,592,266, Apr. 8.
Gallagher, Henry A., Los Angeles, Calif. Key holder. 2,600,749, June 17.
Gallagher, John C.: *See*—
Ekkebus, Eloy D., Gallagher, and Zapfel.
Gallagher, John P., and J. H. Gidlund, Chicago, Ill. Interchangeable, self-releasing, self-locking high-pressure tube and pipe connector unit. 2,585,453, Feb. 12.
Gallagher, Richard L., Erie, Pa. Filing cabinet drawer. 2,600,986, June 17.
Gallagher, William P., assignor to International Register Company, Chicago, Ill. Electric alarm clock. 2,586,642, Feb. 19.
Gallagher, William P., assignor to International Register Company, Chicago, Ill. Electric motor construction. 2,615,069, Oct. 21.
Gallagher, William P., and C. Weber, assignors to International Register Company, Chicago, Ill. Electrical switch. 2,608,631, Aug. 26.
Gallagher, William P., River Forest, A. D. Stolle, and D. E. Schroeder, assignors to International Register Company, Chicago, Ill. Coin controlled meter and bank therefor. 2,612,975, Oct. 7.
Gallagher, William P., and C. Weber, assignors to International Register Company, Chicago, Ill. Timing mechanism. 2,619,558, Nov. 25.
Gallaher, Donald L., Seattle, Wash. Peg top. 2,619,769, Dec. 2.
Gallant, Alfred E., and A. C. Markkula, Los Angeles, and R. F. Markkula, North Hollywood, Calif. Fracture nail. 2,602,445, July 8.
Gallant, Charles B., Newtonville, Mass., assignor to Gallant Termite Barrier, Inc. Device for use in protecting buildings against termites. 2,592,022, Apr. 8.
Gallant, Joseph P., Moncton, New Brunswick, Canada. Liquid container opener. 2,583,212, Jan. 22.
Gallant Termite Barrier, Inc., assignee: *See*—
Gallant, Charles B.
Gallenkamp, Norma B., Houston, Tex. Machine for making emulsions. 2,585,925, Feb. 19.
Gallenkamp, Norma B., Houston, Tex. Canning rice. 2,616,810, Nov. 4.
Galler, William, Valley Stream, assignor to American Cystoscope Makers, Inc., New York, N. Y. X-ray contrast compositions. 2,613,172, Oct. 7.
Gallery, Daniel V., Jr., U. S. Navy. Gun sight. 2,600,400, June 17.
Galletta, Vincenzo, Long Beach, Calif. Cover for straining paint from cans. 2,606,694, Aug. 12.
Galley, Andrew H., York Mills, assignor, by mesne assignments, to Luxene of Canada Limited, Toronto, Ontario, Canada. Sink and deck assembly. 2,584,860, Feb. 5.
Gallia, Giuseppe, Turin, Italy. Holder for gramophone records, files, cards, and the like. 2,619,966, Dec. 2.
Galliano, John B., Oakland, and J. R. Grigg, Alameda, assignors, by mesne assignments, to Industrial Ideas, Inc., Oakland, Calif. Harpoon cannon. 2,581,758, Jan. 8.
Gallice, Claude, Oceanside, Calif. Revolving lawn sprinkler. 2,600,987, June 17.
Galliers, Marshall W., Radburn, N. J., assignor to Curtiss-Wright Corporation. Vibration damper. 2,584,384, Feb. 5.
Gallimore, Frank H.: *See*—
Donahue, Benjamin H., and Gallimore.
Gallimore, Keith F., and G. H. Schurger, assignors to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine tool. 2,620,710, Dec. 9.
Galliot, Jules A. N., London, England. Gas turbine rotor cooling means. 2,600,235, June 10.
Gallo, John, Sr., assignee: *See*—
Gallo, Michael J., and J. W. Gallo, Jr.
Gallo, John W., Jr.: *See*—
Gallo, Michael J., and J. W. Gallo, Jr.
Gallo, Michael J., and J. W. Gallo, Jr., West Medford, assignors of one-third to J. Gallo, Sr., Boston, Mass. Combination tricycle and bicycle. 2,591,534, Apr. 1.
Gallo, Salvatore G.: *See*—
Young, David W., and Gallo.
Gallo, Salvatore G., Roselle, N. J., assignor to Standard Oil Development Company. Recovery of alcohols from hydrocarbon oils. 2,610,977, Sept. 16.
Gallois, Robert, Paris, France. Electric glass melting process. 2,585,761, Feb. 12.
Galloway, Charles F., Los Angeles, Calif. Dispenser for light-sensitized sheets. 2,594,634, Apr. 29.
Galloway, David: *See*—
Reese, Thomas S., and Galloway.
Galloway, David W., Jr., Berkeley, Calif. Survey recorder. 2,612,431, Sept. 30.
Galloway, William S., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Machine for mining coal. 2,610,840, Sept. 16.
Gaimiche, Michel, Paris, France, assignor to Societe Jarunx A. G. Chur, Zurich, Switzerland. Centrifugal apparatus for segregating constituents of different specific gravities. 2,598,118, May 27.
Galotta, Edward J., and M. Di Paola, Bronx, N. Y. Automatically closing dustbin. 2,602,176, July 8.
Galstaun, Lionel S., assignor to Tide Water Associated Oil Company, San Francisco, Calif. Catalytic cracking of nitrogen-containing oils. 2,605,214, July 29.
Galusha, Earl E., assignor of two-fifths to W. Fotes and one-fifth to H. C. Beck, Salt Lake City, Utah. Diesel engine filter cleaner. 2,615,456, Oct. 28.
Galvanic Products Corporation, assignee: *See*—
Friedman, Maurice.
Galvao, Joseph A., New York, N. Y. Electric plug with blades having elements for piercing and clamping insulated cords. 2,593,743, Apr. 22.
Galvin, Gerald D., and A. E. McAulay, Fulham, England, assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibiting composition. 2,615,815, Oct. 28.
Galvin, John F., St. Louis, Mo. Display stand. 2,599,380, June 3.
Galzin, Louis: *See*—
Delastre, Jean, Galzin, and Letrilliart.
Letrilliart, Pierre, and Galzin.
Gamara, Norbert J.: *See*—
Clark, John W., and Gamara.
Gamaunt, Leon E., Sr., San Pedro, assignor to G. M. Engineering Co., Inc., Burbank, Calif. Portable garbage disposal unit. 2,594,635, Apr. 29.
Gamble Brothers, assignee: *See*—
Dosker, Cornelius D.
Gamble, Hedwig, Ponders End, England. Machine for inserting filter plugs in cigarette tubes. 2,597,720, May 20.
Gamble, Hugh A., assignee: *See*—
Smith, William B.
Gamble, Morgan F.: *See*—
West, Willis Z., Jr., and Gamble.
Gamble, Ralph M.: *See*—
Lovely, John E., and Gamble.
Gamble, Roy L., Tacoma, Wash. Device for dispensing and orienting ammunition for firearms. 2,623,803, Dec. 30.
Gamboney, William, Chicago, Ill. Saw vise. 2,608,747, Sept. 2.
Gambrill, Gordon H., Baltimore, Md. Adjustable chair. 2,603,273, July 15.
Gambrill, Richard D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing connectors for leakage. 2,608,854, Sept. 2.
Gamel, Gayne D.: *See*—
Ludwig, Leon R., Stuellein, and Gamel.
Gamertsfelder, George R.: *See*—
Hodder, Wayne K., Gamertsfelder and Jacobson.
Crane, Robert, Jr., and Gamertsfelder.
Games, Thomas R.: *See*—
Katzen, Cyrus, and Games.

Gamet, Gérard A. M., Paris, and L. J. H. Bromet, Les Clavaux, par Gavet, assignors of two-third to Compagnie Universelle d'Acetylene et d'Electro-Metallurgie, Paris, France. Handling device. 2,623,775, Dec. 30.
Gammeter, John R., assignee: *See*—
Adams, John M.
Gammeter, John R., Akron, Ohio, assignor to Pennsylvania Rubber Company, Jeannette, Pa. Pressure packaged tennis ball. 2,582,982, Jan. 22.
Gammon, Benjamin W., Hollis, N. Y. Closure for paper receptacles. 2,586,931, Feb. 26.
Gamrath, Harry R., St. Louis, and W. E. Weesner, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with alkyl benzyl tetrachlorophthalates. 2,588,512, Mar. 11.
Gamrath, Harry R., St. Louis, and J. K. Craver, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Monoalkyl dicresyl phosphate esters. 2,596,140, May 13.
Gamrath, Harry R., St. Louis, and J. K. Craver, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Monoalkyl diphenyl phosphate esters. 2,596,141, May 13.
Gamrath, Harry R., St. Louis, and W. E. Weesner, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Alkyl benzyl tetrachlorophthalates. 2,617,820, Nov. 11.
Gamson, Bernard W., Chicago, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Sulfur recovery. 2,594,149, Apr. 22.
Gamson, Bernard W., Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, New York, N. Y. Preparation of a sulfur-containing activated carbon. 2,585,454, Feb. 12.
Gamundi, Reynold F., Mayfield Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Band brake. 2,596,544, May 13.
Ganci, Charles J., Bellerose Manor, N. Y., assignor to Ward Leonard Electric Company. Resistive device. 2,619,571, Nov. 25.
Gandelot, Howard K., Grosse Pointe Woods, assignor to General Motors Corporation, Detroit, Mich. Wheel brake drum assembly. 2,599,707, June 10.
Gander, Arnold F., Berkeley, Calif. Flush type toggle latch. 2,621,952, Dec. 16.
Gandrud, Ebenhard S., Owatonna, Minn. Land measuring instrument. 2,600,865, June 17.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Multiplication control mechanism for calculating machines. 2,617,590, Nov. 11.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Register resetting means. 2,617,594, Nov. 11.
Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Multiplier-quotient register state control means. 2,620,979, Dec. 9.
Gangemi, Carmine and R., Dover, N. J. Snow melting machine. 2,592,267, Apr. 8.
Gangemi, Rocco: *See*—
Gangemi, Carmine and R.
Ganger, Jesse R.: *See*—
Christian, Raymond A., Ganger, and Lang.
Ganger, Karl M., and J. B. Burrowes, assignors to The Lau Blower Company, Dayton, Ohio. Ventilating device. 2,622,793, Dec. 23.
Gangi, Joseph, New York, N. Y. Lock guard. 2,582,424, Jan. 15.
Ganis, Sam E.: *See*—
Ingraham, Robert P., Phillips and Ganis.
Gannaway, Robertson R., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. Transformerless sawtooth current generator. 2,591,249, Apr. 1.
Gannett, Danforth K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,585,545, Feb. 12.
Gannett, Joseph K., Shaker Heights, and B. W. Saveland, Lyndhurst, assignors to The Austin Company, Cleveland, Ohio. Integrated ceiling lighting system. 2,616,533, Nov. 4.
Gannett, Wright K.: *See*—
Mast, Gifford M., and Gannett.
Mast, Gifford M., Gannett, and Shuh.
Gannon, Edward P., Rockford, Ill. Table truck. 2,621,815, Dec. 16.
Gannon, John J., Clinton, Mass., assignor to Chicopee Manufacturing Corporation. Prefolded diaper. 2,600,634, June 17.
Gannon, John J., Troy, and C. P. Powell, Waterford, assignors to Cluett, Peabody & Co. Inc., Troy, N. Y. Apparatus for spinning, twisting, and winding yarn. 2,611,229, Sept. 23.
Gannon, Russell R., Cincinnati, Ohio. Container for desiccant material. 2,593,132, Apr. 15.
Gans, Melvin L., assignee: *See*—
Murray, Michael F.
Gansert, Herman, Syracuse, N. Y. Variable pitch propeller. 2,593,290, Apr. 15.
Gänsicke, Henriette K. E., heir: *See*—
Lohfert, Helmet, Gänsicke, and Bade.
Gänsicke, Hermann: *See*—
Lohfert, Helmut, Gänsicke, and Bade.
Gänsicke, Kurt H. H., heir: *See*—
Lohfert, Helmut, Gänsicke, and Bade.
Gänsicke, Werner A., heir: *See*—
Lohfert, Helmut, Gänsicke, and Bade.
Gant, Claud W., Dallas, Tex. Upholstering tool. 2,608,793, Sept. 2.
Ganter, Francis X., Los Angeles, Calif. Hanger means for Venetian blinds. 2,597,578, May 20.
Ganter, Francis X., Los Angeles, Calif. Drape rod hanging means. 2,603,284, July 15.
Gantt, John F., Vienna, Va., assignor to the United States of America as represented by the Secretary of the Navy. Film opaquing device and process. 2,605,162, July 29.
Gantz, Harry, H. H. Schwartz, and C. Iasillo, New York, assignors to Empire Brush Works, Inc., Port Chester, N. Y. Making hairbrushes. 2,621,369, Dec. 16.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Material inserting machine. 2,596,813, May 13.
Ganz, Henry, Ridgefield Park, assignor to The Personal Products Corporation, New Brunswick, N. J. Absorbent tampon. 2,620,799, Dec. 9.
Ganz, Rudolph V., assignor to The Colonial Insulator Company, Akron, Ohio. Making forms for the manufacture of dipped rubber goods or other articles. 2,581,248, Jan. 1.
Ganz, Rudolph V., assignor to The Colonial Insulator Company, Akron, Ohio. Making ceramic dipping forms or the like. 2,581,249, Jan. 1.
Ganzhorn, Henry F., Washington, Ill. Adjustable sight radius device for firearms. 2,593,870, Apr. 22.
Garancher, Marcel, assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid pressure controlled switch mechanism. 2,617,905, Nov. 11.
Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Device for contour dressing grinding wheels. 2,584,121, Feb. 5.
Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Grenade launcher valve. 2,587,611, Mar. 4.
Garand, John C., Springfield, Mass. Securing liners to firearm. 2,609,631, Sept. 9.
Garapolo, Orlando: *See*—
Moss, Walter E., and Garapolo.
Garbaccio, Albert, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Regulating device. 2,602,582, July 8.
Garbarini, Robert F., Woodside, N. Y., assignor to The Sperry Corporation. Coupling to produce rotary displacement between a driving member and a driven member. 2,621,495, Dec. 16.
Garbarini, Robert F., Woodside, and J. R. Ericson, Westbury, N. Y., assignors to The Sperry Corporation. True air speed and true altitude rate meter. 2,598,681, June 3.
Garbell, Maurice A., San Francisco, Calif. Surface marking system for aircraft runways. 2,609,437, Sept. 2.
Garber, John D.: *See*—
Banes, Fred W., and Garber.
Young, David W., Sparks, and Garber.
Garber, John D., New York, N. Y., and W. C. Hollyday, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Olefin-diolefin capolymers and mercaptan adducts. 2,581,092, Jan. 1.
Garber, John D., Cranford, D. W. Young, Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Controlling heat of reaction by refluxing in the butadiene-diisobutylene copolymerization. 2,583,420, Jan. 22.
Garber, John D., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating oil additive materials prepared by condensing alkyl halides with haloaromatic-aliphatic hydrocarbon copolymers. 2,603,627, July 15.
Garbo, Paul W.: *See*—
Frankenburg, Walter G., and Garbo.
Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Carrying out endothermic and exothermic reactions. 2,582,246, Jan. 15.
Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen. 2,586,811, Feb. 26.
Garbo, Paul W., Freeport, N. Y. Catalytic process for preparing amides. 2,606,915, Aug. 12.
Garbuny, Max, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multichannel frequency selector and amplifier. 2,605,444, July 29.
Garby, Louis C., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Control surface for airplanes. 2,595,192, Apr. 29.
Garcia, Roger, Jackson Heights, N. Y. Telescoping door. 2,614,626, Oct. 21.
Gard, Clare D., Pasadena, Calif., and L. L. Laurence, Kansas City, Mo., assignors of one-half to Union Oil Company of California, Los Angeles, Calif., and one-half to Black, Sivalls and Bryson, Inc., Kansas City, Mo. Separation of hydrocarbons. 2,617,276, Nov. 11.
Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Cork composition manufacture. 2,601,702, July 1.
Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for heating materials dielectrically. 2,602,133, July 1.

Gard, George E., and W. H. Phillips, assignors to Armstrong Cork Company, Lancaster, Pa. Mixer. 2,596,672, May 13.

Garde, Aage, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Balanced pilot valve for hydraulic main valves. 2,615,466, Oct. 28.

Garde, Aage, and E. Brodersen, Vasteras, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Pressure fluid follow-up type servomotor and control therefor. 2,606,533, Aug. 12.

Gardels, Walter D., Kansas City, Mo. Lockable trunk lid extension for automobiles. 2,618,497, Nov. 18.

Garden-All Tractor, Inc., assignee: *See*—
Heilman, Glenn A.

Garden City Plating & Manufacturing Co., assignee: *See*—
Kurtzon, George B.

Gardenhour, Allen J., Waynesboro, Pa. Liquid level control mechanism. 2,619,906, Dec. 2.

Gardère, Henri, assignor to Compagnie Industrielle des Telephones, Paris, France. Two-way signal repeater. 2,594,007, Apr. 22.

Gardère, Henri, assignor to Compagnie Industrielle des Telephones, Paris, France. Signaling arrangement for two-wire telephone lines. 2,598,159, May 27.

Gardere, Henri, assignor to Compagnie Industrielle Des Telephones, Paris, France. Telecommunication system. 2,623,169, Dec. 23.

Gardetto, Charles J., Milwaukee, Wis. Toy for dental engines. 2,596,232, May 13.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Hydraulic control valve. 2,591,800, Apr. 18.

Gardiner, Duncan B., and R. A. Erskine, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,586,932, Feb. 26.

Gardiner, Frank J., Berwyn, assignor to I-T-E Circuit Breaker Co., Philadelphia, Pa. Making metallic television tube bodies. 2,603,177, July 15.

Gardiner, Frank J., Berwyn, Pa., assignor to Chrysler Corporation, Highland Park, Mich. Power conversion machine. 2,605,956, Aug. 5.

Gardiner, John T.: *See*—
Meddick, Lorrain D., and Gardiner.

Gardiner, Neil W., Great Auclum, Burghfield Common, England. Hydrofoil craft. 2,603,179, July 15.

Gardiner, Paul C.: *See*—
Bacon, Conrad G., and Gardiner.

Gardiner, Terence E. G.: *See*—
Morley, Frederick W. W., and Gardiner.

Gardiner, Thomas R., Piedmont, Calif. Anchor. 2,610,601, Sept. 16.

Gardinor, Elliott W., Conklin, R. E. Cheney, Endicott, and L. T. Bleuer, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Record card verifying machine. 2,615,333, Oct. 28.

Gardissard, Pierre, Nice, and M. Delorme, Saint Mihiel, assignors to Societe Industrielle et Commerciale des Ouvriers Lunetiers (Eparvier, Cottet, Poichet & Cie), Paris (Seine), France. Spectacles. 2,597,312, May 20.

Gardner, Adryl W., Redlands, and R. W. Byrne, Glendale, assignors to Gardner-Byrne Construction Company Incorporated, Los Angeles, Calif. Roller-type aggregate compacting device. 2,582,199, Jan. 8.

Gardner, Adryl W., and P. Wrockloff, assignors to Gardner-Byrne Construction Company, Redlands, Calif. Grade striker. 2,609,620, Sept. 9.

Gardner, Benjamin R., Jr.: *See*—
Williams, Everard M., and Gardner.

Gardner, Bernard C., Redwood City, Calif., assignor to Raytheon Manufacturing Company, Newton, Mass. Beam type electron discharge device. 2,624,021, Dec. 30.

Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Reflex klystron electron-discharge device. 2,587,136, Feb. 26.

Gardner Board and Carton Co., The, assignee: *See*—
Ringler, William A.
Sooy, Brainard E., and Fisher.

Gardner, Bryant H., Granby, Mass., and F. W. Yardley, Simsbury, Conn., assignors to The Chemical Corporation, Springfield, Mass. Soap paste dispensing apparatus. 2,610,767, Sept. 16.

Gardner-Byrne Construction Company, assignee: *See*—
Gardner, Adryl W., and Wrockloff.

Gardner-Byrne Construction Company Incorporated, assignee: *See*—
Gardner, Adryl W., and Byrne.

Gardner, Charles F., Aukland, New Zealand. Panel of wood or like material for building construction. 2,615,211, Oct. 28.

Gardner, Charles W., Glenside, Pa., assignor, by mesne assignments, to Prestige, Incorporated, New York, N. Y. Hosiery mending machine. 2,600,635, June 17.

Gardner, Clark O., Spokane, Wash. Rifle cleaning rod. 2,616,109, Nov. 4.

Gardner, Donald B., Oak Park, assignor to Bell & Gossett Company, Morton Grove, Ill. Pressure vessel. 2,596,233, May 13.

Gardner, Donald H., Detroit, Mich., assignor to Sunbeam Corporation, Chicago, Ill. Apparatus for heat-treating bimetallic strip material. 2,583,046, Jan. 22.

Gardner, Edward M., Brooklyn, assignors to Merrill Brothers, New York, N. Y. Drum tilting device. 2,619,372, Nov. 25.

Gardner, Frank, assignee: *See*—
Chiego, Bernard.

Gardner, George R., Berea, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold coating. 2,618,530, Nov. 18.

Gardner, Harve E., Jr., assignor of one-half to W. C. Vaughan, Lynchburg, Va. Removable window sash mounting. 2,613,403, Oct. 14.

Gardner, Ira S.: *See*—
Lehane, Timothy J., and Gardner.

Gardner, Irving, Hunter, N. Y. Paper hat. 2,594,906, Apr. 29.

Gardner, James M.: *See*—
Piper, Frank R., and Fairfax.
Piper, Frank R., and Gardner.

Gardner, James W., assignee: *See*—
Green, Philip.

Gardner, John H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,597,313, May 20.

Gardner, Lawrence H., Detroit, assignor to Automatic Valve, Inc., Farmington, Mich. Solenoid actuating reversing valve. 2,608,995, Sept. 2.

Gardner, Lawrence H., assignor to Automatic Valve, Inc., Detroit, Mich. Valve. 2,617,444 Nov. 11.

Gardner, Lawrence H., Lakewood, Ohio. Valve structure. 2,591,801, Apr. 8.

Gardner, Lawrence H., Lakewood, Ohio. Fluid control valve. 2,606,739, Aug. 12.

Gardner Machine Company, assignee: *See*—
Cadman, Harold O.

Gardner, Michael L., Berwyn, assignor to Busch Precision Camera Corporation, Chicago, Ill. Time delay switch mechanism for camera flash synchronizers. 2,620,713, Dec. 9.

Gardner, Percy, assignor to Spiral Bagging Machine Corporation, New York, N. Y. Machine for making spiral bags. 2,585,762, Feb. 12.

Gardner, Ray D., Jr., and F. C. Bretcher, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Aircraft enclosure jettison system. 2,615,659, Oct. 28.

Gardner, Robert, Milwaukee, Wis. Buckle. 2,604,682, July 29.

Gardner, Roland H., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. Re. 23,600, Dec. 23.

Gardner, Roland H., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,455, Feb. 12.

Gardner, Stewart F., Bristol, Ind. Combination chair and table. 2,620,856, Dec. 9.

Gardner, Walter E.: *See*—
Harlan, Richard B., and Gardner.

Garduno, Fernando, Los Angeles, Calif. Safety binder and support. 2,587,307, Feb. 26.

Garelick, Frank, Woodside, N. Y. Spouting toy whale. 2,611,996, Sept. 30.

Garey, John C.: *See*—
Boruff, Clair S., Stone, Bauernfeind, and Garey.

Garey, Richard, Brooklyn, N. Y. Pressure rheostat. 2,596,673, May 13.

Garfield, Sydney, Los Angeles, Calif. Steering device for steering wheels. 2,592,413, Apr. 8.

Garfitt, Richard G.: *See*—
Robertson-Shersby-Harvie, Robert B., and Garfitt.

Garlepy, Victor, Waterloo, Quebec, Canada. Dilator for clogged tents. 2,592,800, Apr. 15.

Garlk, Serge, New York, N. Y., assignor of one-third to K. J. Mysels, Los Angeles, Calif., and one-third to L. L. Salton, New York, N. Y. Adhesive tape dispenser. 2,593,291, Apr. 15.

Garis, Chester A.: *See*—
Yoder, William C., and Garis.

Garland, Edward J., Worcester, assignor to Blake Manufacturing Corporation, Clinton, Mass. Combination filament crusher and circuit breaker for safety hand lamps. 2,613,314, Oct. 7.

Garland, George, New York, N. Y. Collapsible display shelf. 2,621,801, Dec. 16.

Garland, Mather, Mound, Minn. Rotary snow plow. 2,598,249, May 27.

Garland, Mather, Mound, Minn. Clamp for constricting flexible tubular elements and the like. 2,598,901, June 3.

Garland, Milton W., assignor to Frick Company, Waynesboro, Pa. Defrosting cooling coils. 2,607,202, Aug. 19.

Garlinger, Charles D., and R. E. Fuller, Houston, Tex. Portable elevatory platform unit. 2,614,800, Oct. 21.

Garlock Packing Company, The, assignee: *See*—
Chambers, Albert M., Jr.

Garlow, Harry, Flemington, N. J. Combined auto mirror, radio antenna, light, and directional signal construction. 2,586,643, Feb. 19.

Garmager, Curt H.: *See*—
Miller, Raymond J., Garmager, and Whelpley.

Garman, Leo H.: *See*—
Mullen, Edward, and Garman.

Garman, Raymond L.: *See*—
McKendry, John K., and Garman.

Garman, Raymond L., and J. K. McKendry, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Synchronizing and phasing system for television recorders. 2,604,535, July 22.

Garmers, Herman A., Minneapolis, Minn. Matrix clamp. 2,622,325, Dec. 23.

Garmon, Orion M., Richmond, Va. Multiple position control device for aircraft. 2,614,438, Oct. 21.

Garneau, Leah L., Babbitt, Nev. Can cover and perforator with pouring spouts. 2,588,819, Mar. 11.

Garner, Abel E., New York, N. Y., and P. W. Getschman, Kenosha, assignors to Worldsbest Industries, Inc., Cudahy, Wis. Curtain stretcher. 2,598,779, June 3.

Garner, Arnold A., St. Cloud, Minn. Metal fish lure. 2,606,387, Aug. 12.

Garner, Claude M., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Gas valve. 2,598,902, June 3.

Garner, Claude M., Clayton, and W. J. Allan, Richmond Heights, assignors to Missouri Automatic Control Corporation, St. Louis, Mo. Safety cutoff control system with dual thermal elements. 2,597,787, May 20.

Garner, Emmet R., Sr., assignee: *See*—
Tibbs, Oscar F.

Garner, Herbert L., Sheridan, Ark. Convertible ladder. 2,584,197, Feb. 5.

Garner, Herman H., assignee: *See*—
Russell, Kenneth F.

Garner, Joshua, Englewood, N. J. Dandruff removing appliance. 2,610,352, Sept. 16.

Garner, Lloyd P., and W. N. Parker, Lancaster, Pa., assignors to Radio Corporation of America. Thin-walled tubing for use as electrode structures of electron discharge devices. 2,610,304, Sept. 9.

Garner, Oscar G.: *See*—
Atkinson, Ralph W., and Garner.

Garner, Philip J., Hooton, Wirral, England, assignor to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,623,855, Dec. 30.

Garner, Philip J., Hooton, Wirral, and B. J. Donovan, Wallasey, England, assignors to Shell Development Company, San Francisco, Calif. Separating organic carboxylic acids from hydrocarbon oil compositions. 2,584,861, Feb. 5.

Garner, Philip J., Hooton, Wirral, and H. N. Short, Sunbury-on-Thames, England, assignors to Shell Development Company, San Francisco, Calif. Manufacture of detergents and wetting agents from olefins. 2,587,990, Mar. 4.

Garner, Philip J., and D. A. Firth, Thornton-Le-Moors, England, assignors to Shell Development Company, San Francisco, Calif. Preparation of acetylenic compounds. 2,605,295, July 29.

Garner, Philip J., Wirral, and P. A. Winsor, Great Sutton, England, assignors to Shell Development Company, San Francisco, Calif. Water in oil emulsions containing 1,2-alkanediols as coupling agents. 2,606,874, Aug. 12.

Garner, Russell F.: *See*—
Weber, Victor, and Garner.

Garner, Russell F., Youngwood, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control switch. 2,591,802, Apr. 8.

Garner, Russell F., Youngwood, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control switch. 2,591,803, Apr. 8.

Garner, Russell F., Youngwood, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined thermostat and automatic pilot control. 2,607,529, Aug. 19.

Garnett, Eleanora, assignor to "Mme E. Garnett," New York, N. Y. Combination brassière and slip. 2,601,679, July 1.

Garnett, Griffin T., Jr., administrator: *See*—
Schlichting, Herbert R.

Garnett, James C., Darkfaulds, Blairgowrie, assignor of one-half to Baxter Brothers & Company Limited, Dundee, Scotland. Spinning, twisting, and like machine. 2,581,012, Jan. 1.

Garnier, Georges, assignor to Air-Equipment, Paris, France. Telescopic shafting arrangement. 2,598,780, June 3.

Garnier, Georges, assignor to Air-Equipment, Paris, France. Arrangement for driving auxiliary parts or apparatus on board aircraft. 2,622,453, Dec. 23.

Garnier, Henri L., Courbevoie, France. Continuous change-speed gear. 2,580,669, Jan. 1.

Garnier, Paul, Lyon, France, vested in the Attorney General of the United States. Clutch mechanism. 2,609,903, Sept. 9.

Garno, George E., Grafton Center, N. H. Cam actuated side jaw wrench. 2,615,358, Oct. 28.

Garnsey, Hamilton, and J. J. Knapp, Seneca Falls, N. Y. Vineyard cultivator. 2,587,721, Mar. 4.

Garoutte, John M., Palo Alto, assignor to Permanente Cement Company, Oakland, Calif. Device for handling materials. 2,602,707, July 8.

Garr, Donald E.: *See*—
Edwards, Martin A., Garr, and Ogle.

Garrahan, Eugene, Harrison, N. J., assignor to Radio Corporation of America. Ink transfer device. 2,595,070, Apr. 29.

Garrard, Charles G.: *See*—
Bickell, Stanley F., Shaw, Riddle, and Garrard.

Garrard, Ernest C., Maidenhead, and K. G. Harrold, Taplow, assignors to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Rotary blade safety razor. 2,586,022, Feb. 19.

Garrard, Ernest C., Maidenhead, and K. Harrold, Taplow, assignors to The Fairey Aviation Company Limited, Hayes, England. Rotary blade safety razor. 2,594,764, Apr. 29.

Garrard, Ernest C., Maidenhead, and K. Harrold, Taplow, assignors to The Fairey Aviation Company Limited, Hayes, England. Rotary blade safety razor. 2,601,721, July 1.

Garratt, Leslie, Leicester, and P. White, Worcester Park, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe bottom filling machine. 2,586,933, Feb. 26.

Garratt, Louis D., and G. A. Breene, Emlenton, Pa. Treatment of mold surfaces. 2,587,722, Mar. 4.

Garreau, Armand J., Newport, R. I. End connector for flexible bracelets. 2,609,584, Sept. 9.

Garreau, Charles F. E., Paris, France. Head for magnetic recorders. 2,594,414, Apr. 29.

Garretson, Owen L., Roswell, N. Mex., assignor to Phillips Petroleum Company. Relief valve. 2,589,072, Mar. 11.

Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Regulator. 2,590,396, Mar. 25.

Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Excess flow control valve. 2,591,060, Apr. 1.

Garretson, Owen L., Bartlesville, Okla., and C. O. Henneman, Minneapolis, Minn., assignors to Phillips Petroleum Company. Weed burner. 2,601,895, July 1.

Garrett, Bowman S., Bellerose, N. Y., assignor to Standard Oil Development Company. Removal of diolefin polymers from extractive distillation solvent. 2,600,106, June 10.

Garrett Corporation, The, assignee: *See*—
Brown, Kenneth M., and Green.
Brown, Norman M., Jr., and Shank.
Chapman, James E.
Crawford, James V., and Jensen.
Fischer, Richard A.
Jensen, Raymond W.
Scofield, Paul C., and Wood.

Garrett Corporation, Airesearch Manufacturing Company Division, The, assignee: *See*—
Arthur Robert A.
Cruzan, Harold.
Gill, George H.
Mayer, Waldemar F.
Rommel, William G.

Garrett, Elizabeth W., Greensboro, N. C. Mirror support 2,607,553, Aug. 19.

Garrett, Elmer E.: *See*—
Essex, Alois, Garrett, and Kallenberg.

Garrett, Elmer E., Freeport, A. Essex, Glendale, and W. G. Hampton, Bayside, N. Y., assignors to The Sperry Corporation. Apparatus for the automatic splicing of webs. 2,606,136, Aug. 5.

Garrett, Goldie R., Tulsa, Okla. Supplementary container adapted for support on the upper edges of principal containers. 2,597,468, May 20.

Garrett, Henry U., Longview, assignor to Garrett Oil Tools, Inc., Houston, Tex. Differential flow valve. 2,588,715, Mar. 11.

Garrett, Henry U., and C. M. Peters, assignors to Garrett Oil Tools, Inc., Houston, Tex. Relief valve. 2,619,109, Nov. 25.

Garrett, Henry U., and C. M. Peters, assignors to Garrett Oil Tools, Inc., Houston, Tex. Valve. 2,620,740, Dec. 9.

Garrett, Henry U., C. M. Peters, and E. D. McMurry, assignors to Garrett Oil Tools, Inc., Houston, Tex. Pressure responsive valve and valve system. 2,620,741, Dec. 9.

Garrett, Jack, Greensboro, N. C. Adjustable mirror support. 2,598,531, May 27.

Garrett, James M., San Antonio, and W. E. Tollett, Carrizo Springs, Tex. Valve-to-tappet clearance setting tool. 2,619,783, Dec. 2.

Garrett, James W., assignor to Selas Corporation of America, Philadelphia, Pa. Tube heating machine. 2,608,309, Aug. 26.

Garrett Oil Tools, Inc.: *See*—
Garrett, Henry U.
Garrett, Henry U., and Peters.
Garrett, Henry U., Peters, and McMurry.

Garrett, Robert W., Coulterville, Ill. Wheeled harrow. 2,599,251, June 3.

Garric, Jean, Sainte-Savine, France. Manufacture of stockings and the like articles of hosiery. 2,585,456, Feb. 12.

Garrigan, Cornelius J.: *See*—
Kinney, Selwyne P., Garrigan, and Clarke.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Preparation of hydrogen and carbon monoxide gas mixtures. 2,621,117, Dec. 9.

Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Forming grinding wheels. 2,584,862, Feb. 5.

Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Grinding method. 2,607,173, Aug. 19.

Garrison, Robert A., San Marino, Calif. Power steering booster. 2,608,263, Aug. 26.
Garside, Samuel H. E., Toronto, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Power assisted control. 2,581,250, Jan. 1.
Gartenmann, Joseph, Zurich, Switzerland. Actuating mechanism for mechanical pencils. 2,596,234, May 13.
Gartin, Elmer G.: *See*—
Curtis, John C., and Gartin.
Gartner, Lawrence E., Lodi, assignor to Bendix Aviation Corporation, Teterboro, N. J. Voltage and frequency regulator. 2,607,028, Aug. 12.
Gartner, Stanley J., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Pin feeder. 2,595,071, Apr. 29.
Gartner, Stanley J., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Glass header manufacturing machine. 2,618,904, Nov. 25.
Gartner, Stanley J., and P. G. Pilkinton, Emporium, Pa., assignors to Sylvania Electric Products, Inc. Indexing and drive mechanism. 2,588,977, Mar. 11.
Gartner, Stanley J., and M. G. Hasselman, Emporium, Pa., assignors to Sylvania Electric Products, Inc. Pin unloader. 2,600,052, June 10.
Gartrell, Robert D., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Plastic bobbin for textile machines. 2,605,979, Aug. 5.
Garutso, Stephen E., San Fernando, Calif. assignor, by mesne assignments, to Balanscope, Inc. Balanced optical objective and focusing lens assembly. 2,591,535, Apr. 1.
Garver, Ralph R., assignor to Pangborn Corporation, Hagerstown, Md. Suction blast gun. 2,608,032, Aug. 26.
Garvey, Edward S., Clayton, Mo. Valve for fountain stencil brushes. 2,592,136, Apr. 8.
Garvey, Kenneth A., Tulsa, Okla. Dispensing attachment for collapsible tubes, including a reciprocating piston. 2,591,145, Apr. 1.
Garvin, Alexander J.: *See*—
Charron, Charles S., and Garvin.
Garvin, Alfred G., Framingham, Mass. Tufting implement. 2,617,373, Nov. 11.
Garvin, Milton: *See*—
Strauchen, David M., and Garvin.
Garwood, Robert E., assignor to G. C. Jenkins, doing business as Skyway Precision Tool Company, Los Angeles, Calif. Predetermined torque release wrench. 2,601,799, July 1.
Gary, Hartwell H., Norfolk, Va. Quick-opening manhole. 2,589,795, Mar. 18.
Gas Machinery Company, The, assignee: *See*—
Rathkey, Arnold C.
Gascoignes (Reading) Ltd., assignee: *See*—
Kingston, Jonas A.
Gash, Virgil W.: *See*—
Wheeler, Keith W., and Gash.
Gaskell & Chambers Limited, assignee: *See*—
Berwick, Albert G.
Price, Arthur H
Gaskell, Walter L., Ypsilanti, assignor to King-Seeley Corporation, Ann Arbor, Mich. Drill press. 2,613,556, Oct. 14.
Gaskell, Walter L., assignor to King-Seeley Corporation, Ypsilanti, Mich. Jointer and planer. 2,619,997, Dec. 2.
Gaskell, William W., Jr., Penn Township, Allegheny County, Pa. Rapid percolator. 2,608,927, Sept. 2.
Gaskin, Arthur J., Elwood, Victoria, Australia. Cigarette extinguishing means and ash receptacle. 2,621,661, Dec. 16.
Gasner, Leonard C., and C. M. Page, Chicago, Ill.; said Page assignor to said Gasner. Portable scaffold. 2,585,763, Feb. 12.
Gasoline Research Industrial & Commercial Company, Inc., assignee: *See*—
Labour, Jean P.
Gaspar, Béla, Beverly Hills, and P. D. Dreyfuss, Van Nuys, Calif., assignors, by mesne assignments, to said Gaspar. Photographic elements containing azo dyes and process using them. 2,612,448, Sept. 30.
Gaspar, Béla, Beverly Hills, and P. D. Dreyfuss, Van Nuys, Calif., assignors, by mesne assignments, to said Gaspar. Acid azo dyes. 2,612,496, Sept. 30.
Gaspar, Béla, Beverly Hills, and P. D. Dreyfuss, Van Nuys, Calif., assignors, by mesne assignments, to said Gaspar. Manufacture of colored photographic images. 2,616,806, Nov. 4.
Gaspari, Joseph, Philadelphia, Pa. Hair-treating implement. 2,617,431, Nov. 11.
Gaspray Corp., assignee: *See*—
Endicott, James L.
Gassaway, Benjamin F., Milwaukie, assignor of one-half to G. J. Elsasser, Portland, Oreg. Suction cup dispensing spout. 2,623,663, Dec. 30.
Gassaway, James S., West Los Angeles, Calif. Coin dispenser. 2,594,907, Apr. 29.
Gasser, Emil R., Buffalo, and G. H. Hedman, Kenmore, assignors to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Vibration degenerating device. 2,586,157, Feb. 19.
Gasser, John W., assignee: *See*—
Horsky, Milo.
Gasser, John W., Woodside, N. Y. Taking up slack in lead screw devices. 2,615,348, Oct. 28.
Gasser, Oswald V., assignor to Scolding Locks Corporation, Appleton, Wis. Bob pin carding machine. 2,621,731, Dec. 16.
Gasser, Walter, and P. R. Van Ess, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,606,872, Aug. 12.
Gasset, William O., assignor to Ford Motor Company, Dearborn, Mich. Testing apparatus. 2,595,518, May 6.
Gast, Adolph W., Evanston, Ill. Screw shell light socket with gripping means. 2,618,678, Nov. 18.
Gaston, John R., Gettysburg, Pa. Panel light mounting to absorb mechanical shocks. 2,590,003, Mar. 18.
Gaston, William D.: *See*—
Horton, Arless J., and Gaston.
Gaston County Dyeing Machine Company, assignee: *See*—
Lloyd, Allen H.
Gatchet, Francis L., Gardiner, Wash. Fertilizer dissolving and spraying device. 2,601,672, June 24.
Gatchet, Francis L., Gardiner, Wash. Solution mixing and distributing apparatus. 2,613,922, Oct. 14.
Gate City Sash and Door Company, assignee: *See*—
Thomas, Harry W.
Gaterman Mfg. Company, assignee: *See*—
Gaterman, William, Sr.
Gaterman, William, Sr., assignor to Gaterman Mfg. Company, Manitowoc, Wis. Divider attachment for mowers. 2,618,114, Nov. 18.
Gates, Charles C., Jr., Denver, Colo. Leg support for wheel chairs. 2,609,864, Sept. 9.
Gates, Hesslar H.: *See*—
Bryant, William J., Gates, and Ljunggren.
Gates, Hesslar H., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Portable air gauge. 2,590,170, Mar. 25.
Gates, Hesslar H., Charlestown, N. H., and P. A. Grobey, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Gauge. 2,588,820, Mar. 11.
Gates, Jack R., near Corvallis, Oreg., and J. F. Schuler, assignors to Boeing Airplane Company, Seattle, Wash. Retractable door handle. 2,599,054, June 3.
Gates, John C., Indianapolis, Ind. Frame for masonry wall openings. 2,618,029, Nov. 18.
Gates, Paul G., Long Beach, Calif. Lawn mower grass catcher. 2,614,380, Oct. 21.
Gates, Percival T., Suffield, Conn., assignor to Drycor Felt Company, Belleville, N. J. Industrial and papermaker's felt. 2,581,790, Jan. 8.
Gates, Percival T., Suffield, Conn., assignor to Drycor Felt Company, Belleville, N. J. Industrial and papermakers' felt and producing the same. 2,588,228, Mar. 4.
Gates, Raymond D.: *See*—
Schuster, Erich, and Gates.
Gates Rubber Company, The, assignee: *See*—
Anderson, Leon, and Nassimbene.
Hurry, James A., and Nassimbene.
Kessler, David L., and Worley.
Pavlik, Charles J.
Pierce, Lloyd L., and White.
White, Thomas F.
Gates, Walter F., Atlanta, Ga. Paper handling machine. 2,603,484, July 15.
Gatesy, John J., Torrington, Conn. Automatic door opener. 2,591,693, Apr. 8.
Gateway Chemurgic Company, assignee: *See*—
Christensen, Leo M.
Gathercole, William H.: *See*—
Coote, Jack H., and Gathercole.
Gathman, Evelyn N., Williston, assignor of one-fourth to W. Henrickson, Appam, N. Dak. Pin curler. 2,591,418, Apr. 1.
Gatimel, Gilbert, Paris, France, asisgnor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Device for the adjustment of the starting position of the blowpipe in oxygen cutting machines. 2,587,461, Feb. 26.
Gatzka, Konrad, Sprendlingen/Kreis Offenbach, assignor to Zahnfabrik Wienand Soehne und Co., G. m. b. H., Sprendlingen, Germany. Producing artificial ceramic teeth. 2,597,469, May 20.
Gaubatz, Arthur W., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Contour describing instrument. 2,589,365, Mar. 18.
Gaubert, Rene J., Oakland, Calif., assignor to Simplex Packaging Machinery, Inc. Label applying machine. 2,619,247, Nov. 25.
Gaubert, Rene J., and S. Marvin, Oakland, Calif., assignors to Simplex Packaging Machinery, Inc. Box-making machine. 2,583,641, Jan. 29.
Gaubert, Stewart S., Thibodaux, La. Hubcap removing tool. 2,620,556, Dec. 9.
Gauchard, Fernand, Santenay, France. Apparatus for producing the suspension of a liquid in a gasiform atmosphere. 2,600,503, June 17.
Gaucher, Leon P.: *See*—
Eastman, Du Bois, and Gaucher.
Jacolev, Leon, and Gaucher.
Gaudet, Ernest F., Hebronville, and L. A. Gaudet, South Attleboro, Mass. Automobile jack. 2,600,750, June 17.
Gaudet, Leo A.: *See*—
Gaudet, Ernest F. and L. A.
Gaudette, Joseph, Windsor, Ontario, Canada. Electric space heater. 2,583,526, Jan. 29.
Gaudin, Olivier, Neuilly-sur-Seine, France. Amine salicylate ointment. 2,596,674, May 13.

Gaudreau, Alfred E., Springfield, Mass. Manually operable machine tool. 2,594,415, Apr. 29.
Gaudreau, Richard J., Longmeadow, assignor to Production Tool & Die Co. Inc., Springfield, Mass. Hydraulic die. 2,591,061, Apr. 1.
Gaudreau, Richard J., Longmeadow, assignor to Production Tool & Die Co., Inc., Springfield, Mass. Hydraulic die. 2,609,775, Sept. 9.
Gaudry, Roger, Quebec, assignor to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Preparing lysine. 2,603,651, July 15.
Gaudry, Roger, Sillery, assignor to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. Growth promoting agent. 2,623,824, Dec. 30.
Gaughan, Anthony F., Cleveland, Ohio. Stepladder. 2,604,251, July 22.
Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Absorber for refrigerating apparatus. 2,583,769, Jan. 29.
Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Washing machine. 2,593,292, Apr. 15.
Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,596,021, May 6.
Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Freezing device. 2,613,512, Oct. 14.
Gaukstern, Joseph, Maplewood, assignor to Chris Kratt Company, Union, N. J. Musical instrument. 2,584,572, Feb. 5.
Gauldie, Kenneth, Toronto, Ontario, Canada. Power transmission in jaw crushers. 2,609,994, Sept. 9.
Gauldie, Kenneth, Toronto, Ontario, Canada. Hydraulically-operated crusher of reciprocating type. 2,620,629, Dec. 9.
Gaulke, Fred J.: *See*—
Gaulke, Louis H. and F. J.
Gaulke, Louis H., Marshfield, Wis., and F. J. Gaulke, Oak Park, Ill. Grapple hook means. 2,594,908, Apr. 29.
Gault, Donald W., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Self-centering bale handler. 2,613,829, Oct. 14.
Gaumont Kalee Seating Limited, assignee: *See*—
Bell, Charles H.
Gaupp, Kurt, Maplewood, N. J., assignor to Forstner Chain Corporation. Snap clasp. 2,580,907, Jan. 1.
Gause, Frederick T., deceased; H. D. Gause executor of said F. T. Gause, West Chester, Pa. Tire chain. 2,622,651, Dec. 23.
Gause, Harriet D., executor: *See*—
Gause, Frederick T.
Gauthier, René, assignor to Societe Continentale et Coloniale de Construction, Societe Anonyme, Brussels, Belgium. Machine for hooping tubes. 2,589,366, Mar. 18.
Gautsche, William E., Jr., New London, Wis. Fishing lure. 2,611,984, Sept. 30.
Gauvreau, Alphonse P., Cleveland Heights, assignor to Clark Controller Company, Cleveland, Ohio. Arc preventing switch. 2,622,172, Dec. 16.
Gavan, Don P., assignee: *See*—
Ewell, Andrew T.
Gaver, Kenneth M., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Carbohydrate processes. 2,609,368, Sept. 2.
Gaver, Kenneth M., and E. P. Lasure, Grove City, and L. M. Thomas, assignors to The Keever Starch Company, Columbus, Ohio. Reaction of glucopyranose polymers with substituted ammonium hydroxides. Re. 23,528, July 29.
Gaver, Kenneth M., Columbus, E. P. Lasure, Grove City, and L. M. Thomas, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Preparation of 2-alkali carbohydric derivative utilizing azeotropic distillation. 2,602,084, July 1.
Gaver, Kenneth M., E. P. Lasure, and L. M. Thomas, assignors to Ohio State University Research Foundation, Columbus, Ohio. Gum reaction product and processes. 2,609,367, Sept. 2.
Gaver, Kenneth M., and E. P. Lasure, Columbus, Ohio, and D. V. Tieszen, Delmar, N. Y., assignors to Ohio State University Research Foundation, Columbus, Ohio. Production of new carbohydrate compounds. 2,609,370, Sept. 2.
Gaver, Kenneth M., E. P. Lasure, and L. M. Thomas, assignors to The Keever Starch Company, Columbus, Ohio. Preparing lecithin derivatives and compositions comprising same. 2,621,133, Dec. 9.
Gaver, Kenneth M., Columbus, E. P. Lasure, Grove City, and L. M. Thomas, assignors to The Keever Starch Company, Columbus, Ohio. Amino derivatives of glucopyranose polymers. 2,621,174, Dec. 9.
Gavin, Robert C., assignor to Humphreys & Glasgow Limited, Westminster, England. Apparatus for raising and transporting loads. 2,599,444, June 3.
Gaviola, Frank, and F. Anacabe, Elko, Nev. Reciprocating power-driven saw. 2,609,015, Sept. 2.
Gavurin, Jacob, Brooklyn, N. Y. Die rolling machine. 2,603,854, July 22.
Gavurin, Jacob, Brooklyn, N. Y. Trimming and punching machine for forged blanks. 2,604,164, July 22.
Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Making banded pressure vessels. 2,585,237, Feb. 12.
Gay, Fraser W., Metuchen, N. J. House heating. 2,584,573, Feb. 5.
Gay, Fred G., Jr., Greece, and D. J. McCulloch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Eyeshield. 2,590,397, Mar. 25.
Gay, Herman P., Havre de Grace, Md., assignor to the United States of America as represented by the Secretary of the Army. Hydrospring shock absorber. 2,595,239, May 6.
Gay, Jacob D., Jr.: *See*—
Bell, Harry G., and Gay.
Gay-Bell Corporation, assignee: *See*—
Bell, Harry G., and Gay.
Gaydasch, Alexander: *See*—
Gleim, William K. T., Gaydasch, and Rosenwald.
Gayford, Michael L.: *See*—
Cragg, William D., and Gayford.
Gaylord Container Corporation, assignee: *See*—
Fallert, Clifford D., and Whalley.
George, Walter C.
Gibbons, Clyde F.
Gillespie, Wilbur F.
Klasing, Arthur P., and Williams.
Koenig, Joseph J., Erskine, and McManus.
Lighter, Stephen.
Rosenberg, Leon J.
Strauss, Herman H.
Gaylord, James M., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Dynamoelectric machine and cooling means. 2,590,855, Apr. 1.
Gaylord, Jay A., Seattle, Wash. Fish lure. 2,582,627, Jan. 15.
Gaylord Products, Incorporated, assignee: *See*—
Snyder, Burton K.
Weaver, Ruth K., and Hahn.
Weaver, Ruth K., and Thatcher.
Gaylord-Shelton, Inc., assignee: *See*—
Goldfine, Wesley R.
Gayner, Raymond D., Sherman Oaks, T. C. Wood, Inglewood, Calif., and M. C. Copold, Roselle, N. J., assignors to North American Aviation, Inc. Latch mechanism. 2,610,880, Sept. 16.
Gaynor, Arthur C., Stratford, Conn. Locking teeter-bar switch. 2,616,012, Oct. 28.
Gaynor, Keyes C., Sioux City, Iowa. Transportation system. 2,605,007, July 29.
Gazda, Antoine, Providence, R. I. Track pontoon. 2,586,218, Feb. 19.
Gazda, Antoine, Providence, R. I. Humidifier. 2,594,636, Apr. 29.
Gazda, Antoine, Providence, R. I. Illuminated combined optical mirror signal device for vehicles and the like. 2,600,751, June 17.
Gazda, Antoine, Providence, R. I. Self-canceling directional signal switch for motor vehicles. 2,611,043, Sept. 16.
Gazda, Antoine, Providence, R. I. Telephone lock. 2,615,322, Oct. 28.
Gazette, Marshall E., Roslindale, assignor to Hercules Container Corp., Boston, Mass. Tube sectioning machine. 2,586,424, Feb. 19.
Gazza, Albert, Brooklyn, N. Y. Photographic printing device. 2,607,264, Aug. 19.
Gear Grinding Machine Company, The, assignee: *See*—
Brodbun, John H.
Miller, Fred F., Jr.
Gearhart, Roy E., assignor of one-half to C. E. Hose, Kansas City, Mo., and one-half to E. A. Hose, Marietta, Ga. Needle threader. 2,591,146, Apr. 1.
Gearhart, Roy E., assignor of one-half to C. E. Hose, Kansas City, Mo. Clutched driving means for tools. 2,607,253, Aug. 19.
Gearhart, William M.: *See*—
Meyer, Lester W. A., and Gearhart.
Gearhart, William M., and R. W. Pugh, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacturing resorcinol monobenzoate. 2,588,978, Mar. 11.
Gearing, Philip G., Milwaukee, Wis. Combination vehicle and rocker for children. 2,605,814. Aug. 5.
Gearon, Edward: *See*—
Gearon, John A. and E.
Gearon, John A. and E., Chicago, Ill. Movable lens mechanism for signal lamps. 2,594,150, Apr. 22.
Geary, Edward S., Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for stripping insulation from wires. 2,584,692, Feb. 5.
Geary, Estel B., Niles, Mich. Cylinder tissue paper machine. 2,602,380, July 8.
Geary, Henry R., East Orange, N. J., assignor to General Electric Company. Air register. 2,593,133, Apr. 15.
Geary, Robert J., Blue Point, N. Y. Preserving fruits and vegetables. 2,615,814, Oct. 28.
Gebhard, Irvin L., Modesto, Calif., assignor to Western Contracting Corporation, Sioux City, Iowa. Canal lining machine. 2,598,903, June 3.
Gebhart, Arthur L., Union, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Recovery of unsaponifiables from concentrates containing the same. 2,610,195, Sept. 9.

Gebhart, Arthur I., Union, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing fatty compounds. 2,585,129, Feb. 12.

Gebler, Kenneth A., Verona, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Shaped zircon ceramic bodies and composition and producing the same. 2,598,904, June 3.

Gebr. Boehringer G. m. b. H., assignee: *See*—
Uhink, Friedrich, Lautenbach, Irtenkauf, Fickenscher, and Haller.

Gebr. Böhler & Co. Aktiengesellschaft, assignee: *See*—
Rapatz, Franz.

Gebr. Volkart, assignee: *See*—
Bertsch, Emil.

Gebrüder Bühler, assignee: *See*—
Hummel, Charles.

Gebruder Zehnder Radiatoren- & Apparatebau, assignee: *See*—
Zehnder, Otto.

Gecsei, László A., Sarospatak, Hungary. Training typewriter. 2,613,453, Oct. 14.

Gedance, Maurice M., assignee: *See*—
Dorsey, James E.

Gedde, Erik, Chicago, Ill. Pivoted lever bottle cap remover. 2,592,679, Apr. 15.

Geddes, Dorothy M.: *See*—
Geddes, James E. and D. M.

Geddes, James E. and D. M., Portland, Oreg. Portable ironing board. 2,603,012, July 15.

Geddes, John W.: *See*—
Ferguson, William H., H. C., and Geddes.

Geddes, John W., Boston, and H. C. Ferguson, Melrose, assignors to H. K. Porter, Inc., Somerville, Mass. Adjusting fitting for tool assemblies for reshaping deformed automobile body parts. 2,586,158, Feb. 19.

Geddes, John W., and T. C. Porter, Boston, assignors to H. K. Porter, Inc., Somerville, Mass. Extensible strut for reshaping deformed automobile bodies. 2,621,948, Dec. 16.

Geddes, Madison, Lakewood, Ohio. Lens board control means for studio cameras. 2,619,014, Nov. 25.

Geddes, Walter H.: *See*—
Hoffman, Allan C., Geddes, and Olcott.

Gedris, Stanley J., Grand Rapids, Mich. Flask turnover for foundry molding machines. 2,615,588, Oct. 28.

Geen, Henry C.: *See*—
Curran, Frank M., Geen, and Quist.

Geer, Charles W., Long Beach, Calif., assignor to Technicolor Motion Picture Corporation. Television color screen. 2,622,220, Dec. 16.

Geeraert, Gustave A., Lawrence, Mass. Tension warp letoff for looms. 2,582,863, Jan. 15.

Geernert, Leon J., Brooklyn, N. Y. Combustion chamber with sliding valve controlling fuel, air, and water admission. 2,608,058, Aug. 26.

Geerts, Marcellus J.: *See*—
Ayers, George W., Geerts, and Chandler.
Ayers, George W., Geerts, and Krewer.

Geertsen, Nelson, Chicago, Ill., assignor to American Can Company, New York, N. Y. Two-piece portable carrier for bottles and the like. 2,594,304, Apr. 29.

Geesink, Jacobus J., Bussum, assignor to Speedwheel N. V., Amsterdam, Netherlands. Hub motor with coupling. 2,588,229, Mar. 4.

Geever, Chester L.: *See*—
Morton, Evans T., and Geever.

Geffas, Theodore, Ogden, Utah. Hernia stay. 2,586,219, Feb. 19.

Gegenheimer, Harold W., and C. O. Siebke, Mystic, Conn., assignors to Sun Chemical Corporation, New York, N. Y. Sheet feeding apparatus. 2,623,746, Dec. 30.

Gegenschatz, Walter, assignor to Zellweger A. G. Apparate- und Maschinenfabriken Uster, Uster, Switzerland. Thread feeding device for thread testing machines. 2,590,398, Mar. 25.

Geh, Eugene: *See*—
Johnson, Le Baron B., and Geh.

Gehman, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Computing device. 2,598,250, May 27.

Gehnrich, Charles A.: *See*—
Doty, Spencer.

Gehnrich, Herman G., assignee: *See*—
Doty, Spencer.

Gehrandt, Gustav R., Evanston, Ill. Internal-combustion engine. 2,599,908, June 10.

Gehre, Hans, Oberkassel-on-the-Rhein, Germany. Bearing arrangement for horizontal rotor shafts. 2,617,694, Nov. 11.

Gehring Textiles, Inc., assignee: *See*—
Slater, Edward J.

Gehrke, Willard H., Menasha, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo. Zinc acetate on devolatilized coal. 2,586,812, Feb. 26.

Geib, Arthur H., Milwaukee, Wis. Sheet stop device for rotary duplicating machines. 2,588,917, Mar. 11.

Geigel, Kenwood: *See*—
Waddington, Ralph H., and Geigel.

Geiger, Albert E., Wyckoff, N. J., and H. Onall, Allentown, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y. Fluid feeding apparatus. 2,619,274, Nov. 25.

Geiger, Doctone B., Jr.: *See*—
Graves, Robert S., and Geiger.

Geiger, Edward F., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Cross connecting board. 2,613,287, Oct. 7.

Geiger, Frank W.: *See*—
Coolidge, William N., and Geiger.

Geiger, Hermann: *See*—
Norton, Wilbur H., and Geiger.

Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Coating compositions containing a drying oil-modified menthane derivative. 2,588,821, Mar. 11.

Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Terpene-phenolic reaction product. 2,596,235, May 13.

Geigy Company Limited, The, assignee: *See*—
Jones, Harry, and Aiken.

Geigy, J. R., A. G., assignee: *See*—
Beglinger, Jacques.
Bossard, Werner, and Bitterlin.
Fuchs, Otto.
Gysin, Hans.
Gysin, Hans, and Hodel.
Häfliger, Franz, Martin, and Densa.
Häfliger, Franz, and Schindler.
Pulver, Robert.
Schetty, Guido.
Schetty, Guido, and Beffa.
Stoll, Willy, and Morel.

Geis, Arvine A., Massilon, Ohio. Adjustable automobile mirror tray. 2,623,435, Dec. 30.

Geisel, Wilhelm, Ludwigshafen-on-the-Rhein, Germany. Purifying gaseous carbon dioxide. 2,594,268, Apr. 22.

Geisel, Wilhelm, Ludwigshafen-on-the-Rhein, Germany. Purification of carbon dioxide. 2,594,269, Apr. 22.

Geiser, Carl, assignor to The Liquidometer Corporation, Long Island City, N. Y. 300° directly driven ratiometer. 2,599,756, June 10.

Geiser, Edward M.: *See*—
Bloch, Herman S., and Geiser.

Geiser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Tripolymer of a vinyl aromatic compound, a coumarone-indene fraction and material recovered from a hydrocarbon-catalyst sludge. 2,582,425, Jan. 15.

Geiser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Condensation product of formaldehyde with a copolymer of a vinyl aromatic compound and an aliphatic mono-olefin and making same. 2,611,760, Sept. 23.

Geiser, Edward M., Downers Grove, and A. J. de Rosset, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Copolymers of oxidized isobutylene fractions with hydrocarbons. 2,611,764, Sept. 23.

Geiser, Kenneth R., Schenectady, N. Y., assignor to General Electric Company. Optical system for oscillographs. 2,613,127, Oct. 7.

Geisler, Alfred H.: *See*—
Martin, Donald L., and Geisler.

Geisler, Frederick W., assignee: *See*—
Peters, Stanley E.

Geissbuhler, John O.: *See*—
Stone, Joseph E., and Geissbuhler.

Geisse, John H., Washington, D. C. Cross wind undercarriage. 2,611,564, Sept. 23.

Geist, Alex M., and R. R. Winders, Lincoln, Nebr. Electrical preformed floor duct. 2,595,452, May 6.

Geldhof, Peter E., and L. Ringer, St. Joseph, Mich., assignors to Whirlpool Corporation. Laundering machine. 2,610,498, Sept. 16.

Gelardin, Beatrice: *See*—
Gelardin, Benjamin and Beatrice.

Gelardin, Benjamin and Beatrice, New York, N. Y. Toy rattle. 2,618,893, Nov. 25.

Gelatin Research Society of America, Inc., assignee: *See*—
Tice, Linwood F.

Gelb, Herbert, assignor to Joseph Gelb Company, New York, N. Y. Camera and stand therefor. 2,585,927, Feb. 19.

Gelb, Joseph, Company, assignee: *See*—
Gelb, Herbert.

Geldhof, Peter E., St. Joseph, Mich., assignor to Whirlpool Corporation. Vibration dampener mounting for washing machines and the like. 2,585,107, Feb. 12.

Geldhof, Peter E., St. Joseph, Mich., assignor to Whirlpool Corporation. Vibration reducing support for washing machines and the like. 2,589,796, Mar. 18.

Geldhof, Peter E., St. Joseph, Mich., assignor to Whirlpool Corporation. Bulkhead drier. 2,619,736, Dec. 2.

Geldhof, Peter E., and H. E. Morrison, St. Joseph, Mich., assignors to Whirlpool Corporation. Electrically heated drier. 2,619,734, Dec. 2.

Geldhof, Peter E., and H. E. Morrison, assignors to Whirlpool Corporation, St. Joseph, Mich. Clothes drier. 2,619,737, Dec. 2.

Gelewitz, Edmund W.: *See*—
Olson, Arthur R., and Gelewitz.

Gelfand, Max, Dallas, Tex., and I. M. Richman, New Orleans, La. Electrolytic bone decalcification process. 2,600,107, June 10.

Gellenbeck, Benjamin G., Tacoma, Wash. Child's convertible vehicle. 2,595,839, May 6.

Geller, Andrew, Inc., assignee: *See*—
Frost, Gustave.

Geller, Harold H.: *See*—
Frieden, Alexander, and Geller.

Gelpi, Alcee J., Jr.: *See*—
Rusoff, Louis L., and Gelpi.

Gelzer, John R., assignor to Elton, Inc., Jackson, Mich. Voltage multiplying vibrator apparatus. 2,624,034, Dec. 30.

Gemberling, Cameron H.: *See*—
Altgelt, Rudolph J., and Gemberling.

Gemco Shaper Company, assignee: *See*—
Gygax, Ernest.
Hicks, Harold E.

Gem-Dandy, Inc., assignee: *See*—
Weatherly, Andrew E.

Gemeinhardt, Alfred H., assignee: *See*—
Kornmayer, Frank J.

Gemex Company, assignee: *See*—
Prestinari, Eugen.

Gemme, Leon H., assignor to L. Farber Welting Company, Worcester, Mass. Making storm welts. 2,593,871, Apr. 22.

Gemmill, Clark H., deceased, Chicago, Ill.; City National Bank and Trust Company administrator of said C. H. Gemmill. Electrically driven portable appliance. 2,609,525, Sept. 2.

Gemuenden, William C.: *See*—
Martindale, Harvey E., and Gemuenden.

Gendler, Louis, New York, N. Y. Nutcracker. 2,590,953, Apr. 1.

Gendron Wheel Company, assignee: *See*—
Foley, Hanceal W.

General American Transportation Corporation, assignee: *See*—
Chelminski, Roman.
Graham, Arthur H.
Hines, Dealy K.
Peterson, C. L., Kroff, and Peterson.

General Aniline & Film Corporation, assignee: *See*—
Altmann, George O.
Anspon, Harry D., and Pschorr.
Armento, William H.
Bartholy, Frederick E.
Beller, Hans.
Bestehorn, Heinrich H., and Morgan.
Bluemmel, Francis P., and Lytle.
Brunner, August H., Jr., and Zappert.
Buc, Saul R.
Buc, Saul R., and Randall.
Busse, Warren F., and Lambert.
Chiddix, Max E., and Cross.
Copeland, Ralph A.
Copenhaver, John W.
Cross, James M., and Enyeart.
Current, Ira B.
Derbyshire, Henry G.
Duerr, Herman H.
Elofson, Richard M.
Famulener, Keith, and Hoerlin.
Freyermuth, Harlan B., and Ney.
Glickman, Samuel A.
Grimmel, Harry W., and Bestehorn.
Grimmel, Harry W., Richter, and Morgan.
Gross, Siegfried T.
Gunther, Robert C.
Gunther, Robert C., and Tulagin.
Harriman, Benjamin R.
Harsh, Harold C.
Harsh, Harold C., and Friedman.
Heimbach, Newton.
Hensley, Lee C.
Herrmann, Albert E., Jr.
Hoch, Paul E., and Libby.
Hoefle, Milton L., and Williams.
Horsky, Nicholas G.
Huey, William G., and Rottschaefer.
Jacobson, Carl H.
Jones, Giffin D.
Jones, Giffin D., and Barnes.
Kaszuba, Frank J.
Keller, Jacob L., and Lytle.
Kellog, Henry B.
Lambert, Joseph M., and Hamm.
Lytle, Lawrence D.
Marnon, Donald E.
Max, Fritz and Schmidt-Nickels.
Maxcy, William J.
Mueller, Fritz W. H.
Neumann, Fred W., and Williams.
Ney, William O., Jr.
Olsen, Robert T.
Orinik, Michael T.
Owen, Emily M.
Peterson, Willard D.
Polydoroff, Wladimir J.
Randall, David I.
Randall, David I., and Buc.
Randall, David I., and Renfrew.
Randall, David I., and Smith.
Rottschaefer, Bernard W.

General Aniline & Film Corporation, assignee: *See*—Con.
Runyan, Ivy V.
Sanders, Herbert L.
Sanders, Herbert L., and Maxcy.
Sargent, Donald E.
Schenck, Leslie M.
Schmidt-Nickels, Wilhelm.
Schoen, Andre.
Shrader, Marvin O.
Siedenburg, Frederick M.
Silfkin, Sam C.
Silfkin, Sam C., and Beese.
Solonen, Nicholas W., and Randall.
Spatt, Carl.
Sprung, Joseph A., and Schmidt.
Starke, Albert C., Jr.
Strobel, Albert F., and Williams.
Sweet, Monroe H.
Takats, Zoltan.
Thompson, Thomas R.
Towne, Richard S.
Trojnar, Thaddeus J.
Trump, Frederick O.
Tulagin, Vsevolod, and Coles.
Unkauf, Henry C.
Von Glahn, William H., and Bergstrom.
Von Glahn, William H., and Stanley.
Voss, Arthur, and Dickhauser.
Wallace, William E.
Werner, Jesse, and Graham.
Wilkinson, Joseph M., Jr.
Wilkinson, Joseph M., Pedlow, and Wynn.
Williams, William W., and Freyermuth.
Williams, William W., and Strobel.
Williams, William W., and Wallace.
Williford, Edward A., and Sweet.
Witte, Michael.
Zappert, Robert H.
Zoss, Abraham O.

General Baking Company, assignee: *See*—
Olsen, Thomas S.

General, Bernard: *See*—
Kantrowitz, Morris S., Gosnell, and General.

General Binding Corporation, assignee: *See*—
Emmer, Charles E.

General Box Distributors, assignee: *See*—
Burkholder, Claude A.

General Bronze Corporation, assignee: *See*—
Brown, Clyde A.
Danielsen, August A., and Schleret.
Finley, Harold E.
Peremi, Edmund.
Peremi, Edmund, and Weimann.

General Cable Corporation, assignee: *See*—
Atkinson, Ralph W., and Garner.
Bronovicki, Adam A.
Potter, Frank M., and Hartman.

General Candy Corporation, assignee: *See*—
Petrilli, Santy C.

General Carpet Supply Co. Inc., assignee: *See*—
Jaasund, Torkel.

General Cement Mfg. Co., assignee: *See*—
Feild, Eugene P.
Oliveri, Anthony M.
Valiulis, Stanley B.

General Cigar Co., Inc., assignee: *See*—
Frankenburg, Walter G.
Frankenburg, Walter G., and Garbo.

General Control Company, assignee: *See*—
Kelleigh, Waldo J.

General Controls Co., assignee: *See*—
Paille, Eugene.
Ray, William A.

General Corrugated Machine Company, Inc., assignee: *See*—
Bandura, James, Baisley, Pfeffer, and Keely.

General Dyestuff Corporation, assignee: *See*—
Luttringhaus, Hans, Flint, and Arcus.

General Electric Company, assignee: *See*—
Akeley, Lloyd T.
Alexander, George, and Walsh.
Alexanderson, Ernst F. W.
Alexanderson, Ernst F. W., Mittag, and Kuenning
Alexay, Adalbert.
Alford, Joseph S.
Andersen, Fred G.
Anderson, Robert G.
Apple, Lee S.
Ash, Clarence L.
Atchison, Leonard W.
Bacon, Conrad G., and Gardiner.
Bailey, Richard W.
Baker, Jack M.
Balhouse, Harold J.
Barkis, Charles E.
Barnes, Norman F.
Bartlett, Percy.
Baumgartner, George R.
Baxter, Philip.
Bayer, Charles H.
Beall, Benjamin S., and Oppel.

General Electric Company, assignee: *See*—Continued.
Beardsley, Kenneth D.
Becker, Howard I.
Bedford, Alexander W., Jr.
Bedford, Burnice D.
Beggs, James E.
Bell, Locklin S. and Maltby.
Bellezza, Russell G., and Ruoff.
Belsey, Frederick H., and Broadbent.
Benander, George B.
Benander, George B., and Lawson.
Bennett, Gardell L.
Bensen, Igor B.
Bergquist, Carl H.
Berkey, Donald C.
Berry, Theodore M.
Biggs, Leonard R.
Bischoff, Alfred F.
Bischoff, Alfred F., and Boring.
Bivens, Maurice E.
Bixler, Harley H.
Blatz, Walter L.
Blewett, John P.
Blodgett, Katharine B.
Blodgett, Katharine B., and Schaefer.
Blood, Walter R., and Moore.
Bluestein, Ben A.
Bocast, Donald R.
Boddy, Edwin H.
Bondley, Ralph J., and Lord.
Bousman, Henry W.
Bowers, Benjamin N.
Brewer, Stuart D.
Brown, Joshua R. C., Jr.
Brown, Robert W.
Brunelle, Henry E., Jr., and Molde.
Brusdal, Olaf.
Buechel, Joseph C.
Buckland, Bruce O., and Berkey.
Buckland, Bruce O., and Howard.
Buckland, Bruce O., and Morey.
Buckland, Bruce O., and Nerad.
Bukaty, Raymond M.
Burgess, Neil.
Burkhard, Charles A.
Burkhard, Charles A., and Hurd.
Burnett, Robert E.
Bush, Ralph R.
Butler, William L.
Cain, Basil S.
Caird, David W.
Caldwell, Andrew H.
Camilli, Guglielmo, Gray, and Mulligan.
Camilli, Guglielmo, and Mulligan.
Campbell, John A.
Campbell, Von C.
Canada, Alfred H.
Candell, Earl B.
Carbary, Richard J.
Cartun, Paul O.
Casler, Adrian F.
Cass, William E.
Catalano, Victor J.
Cator, Frederick L., and Thorpe.
Cawl, Allen P.
Chandler, Irving R.
Clack, Basil N.
Clapp, Charles W.
Clark, David L., and McNairy.
Clark, Earl W.
Clark, Edward B.
Clark, Frank M.
Clark, Howard L.
Cobine, James D.
Coe, Jerome T., and Schwenker.
Columbe, Maynard J.
Compton, Frank A., Jr.
Conkle, Gordon A.
Cook, Clinton D., Jr.
Cooper, Benjamin, and Cillié.
Courtney, Frederick M., and Lemmerman.
Coykendall, John C.
Crandall, Eugene L.
Crankshaw, John H.
Crankshaw, John H., and O'Kelly.
Crawford, Henry V., and Parkinson.
Dantsizen, Christian.
Darrah, Kermit L., and Fridell.
Davidson, Allen R.
Dawson, Edward S., Jr.
Dayton, Carl S.
De Carli, Earl V.
Dell, Paul A.
Demirjian, Stephen G., and McCarty.
D'Entremont, Franklin R.
De Reamer, Frank C.
Descarsin, Maurice.
Devine, George F.
Di Giorgio, Philip A., and Safford.
Dilts, Lee E.
Dome, Robert B.
Doncyson, Robert A.
Doran, John H.
Dormont, Jean.
Douglas, William A.
Dovey, Anne P., Manners, and Partridge.
Doyle, Charles D., and Nelson.
Drake, John A.
Dunham, Robert W.
Dunlap, William C., Jr.
Eagles, Horace W.
Earls, Howard G., and Watson.
Eaton, Richard C.
Eckel, John F.
Edgar, Robert F.
Edgar, Robert F., and Levine.
Edman, Carl A.
Edwards, Martin A.
Edwards, Martin A., and Brand.
Edwards, Martin A., Garr, and Ogle.
Edwards, Robert A.
Epstein, David J.
Estes, Phillip H.
Faus, Harold T.
Favre, John A.
Feher, Cecil W.
Fehr, Edith B., and Posey.
Feiertag, Karl M.
Feiertag, Karl M., and Donahoo.
Felker, George E., Jr.
Fink, Lyman R.
Finlayson, Frank E.
Fisher, Alec.
Fisher, Thomas W. C.
Fiske, Augustus H., Jr., and Ledges.
Fiske, Milan D.
Fitzgerald, Albert J.
Fonda, Gorton R.
Foote, Alton G.
Foote, Lawrence R., and Graves.
Foster, Raymond F.
Foulds, John P.
Foulke, Ted E.
Franckel, Victor H.
Franckel, Victor H., and Koller.
Frank, Edward J., and Driver.
Frazier, Loring R.
Freitag, Byron E.
Frere, Clarence.
Frere, Clarence, and Grothouse.
Froelich, Herman C.
Frye, Enoch M.
Fulton, Charles D.
Fusner, George R., and Walker.
Fyler, George W.
Gallagher, Charles J.
Geary, Henry R.
Geiser, Kenneth R.
Gerry, Otto F.
Gitzendanner, Louis G., and Langenwalter.
Goff, Leon E., Jr.
Goff, Robert W.
Goodrick, Howard W.
Goodwin, Ralph C.
Gosnell, Robert E., and Casler.
Goss, James H., Mendelsohn, and Sakke.
Goure, Robert E.
Granfield, John C.
Green, Robert L.
Griffith, Roland K., and Nelson.
Grimshaw, Charles S.
Gruen, Wolf J.
Gurewitsch, Anatole M.
Hagen, Robert C.
Hall, Chester I., and Slonneger.
Hammerly, Herman J.
Hammerly, Herman J., Turton, and Salomone.
Hamvas, Laszlo U.
Hansen, Charles A., Jr.
Harbison, George C.
Hargrove, Frank L.
Harle, Harold P.
Harris, Frank R.
Harrold, Arthur E.
Harty, Edgar A.
Hausler, George M.
Hays, Clifton E.
Heath, Paul D.
Hendrick, Lloyd M., and Wheeler.
Hewlett, Clarence W., Jr.
Hiehle, Michael E.
Hill, George S.
Hinman, Maurice B.
Honre, Stephen C.
Hoffman, Herbert N.
Hogue, Alfred L., and Hamilton.
Holden, Harold C.
Holdstock, Norman G.
Holmes, Robert G.
Horvay, Julius B.
Howard, Alan.
Hull, Albert W.
Hull, Edwin H., and Winslow.
Hunsaker, Eugene L.
Hurd, Dallas T.
Ipsen, David C., and Fulton.

General Electric Company, assignee: *See*—Continued.
Jacobi, George T.
Jacobs, Stephen.
Jacobson, Woodrow R.
Jamieson, Gilbert E.
Jamieson, Hugh W., and Whinnery.
Jankowski, Herman.
Janos, Alfred G.
Janos, Alfred G., and Knight.
Janssen, William H.
Jarvis, Samuel F., and Burch.
Jellinek, Ernest.
Jewell, William R.
Johnson, Frithlof V., and Fowler.
Jones, Benjamin W.
Jones, Harold A.
Jordan, John P.
Judd, Edwin B., and Butrym.
Kalb, John W.
Kalikow, Irving.
Keim, Donald B.
Keitley, Robert.
Kern, Edward A.
Kimball, Donald G.
King, Robert A.
Kinman, Thomas H., Hibbard, and Hayward.
Kirkpatrick, Floyd M.
Kizaur, Arthur J.
Klass, Philip J.
Knowlton, Paul H.
Koller, Lewis R., and Williams.
Krida, Hugh.
Kuebler, Robert A.
Kurtz, Lowell M.
Labastie, Albert H.
Lafferty, James M.
Lamb, Fredrick S.
Lang, Henry T.
Larew, John J.
Larkin, Thomas E.
Lash, James D.
Latta, Isaac R.
Lautenberger, Elmer W.
Lawson, James L.
Lebenbaum, Paul, Jr., and Fisher.
Lee, Walter A., and Brightman.
Leete, Bernard D.
Leighton, Leroy G.
Lemmerman, Harold H.
Lennox, Thomas C.
Lester, Burton R.
Levine, Samuel J.
Lewis, Ernest E., and Thorn.
Lincks, George F.
Lincks, George F., and Smith.
Lipski, Edward G.
Liversidge, Joseph H.
Loft, Arne.
Lord, Harold W.
Lucas, Glennard R.
Lucas, Glennard R., and Martin.
Lumb, David C., and Pundick.
Lundberg, John E.
Lundberg, John E., and Swanson.
Lundy, Richard T.
Lynch, Edward E.
Macpherson, Ronald H.
Magee, Paul B.
Malheiros, Luis G., and Moncrief.
Malutich, Harry S.
Manning, George B.
Manning, Ralph M.
Maplesden, George C.
March, Laurel A.
Marinace, John C., and Le Loup.
Marks, Charles E.
Marks, Louis W.
Martin, Donald L.
Martin, Donald L., and Geisler.
Martin, John H.
Martin, Robert W.
Mathes, Kenneth N.
Mayer, Harry F.
Maynard, John E., and Shetler.
McArthur, Elmer D.
McCoy, Robert L.
McDonald, James D.
McFarland, Donald L.
McFarland, James L., and Jones.
McKeag, Alfred H.
McKeag, Alfred H., and Ranby.
McLenegan, David W.
McNairy, Jacob W.
Meier, Donald R.
Meiklejohn, William H.
Mendelsohn, Lewis I.
Michel, Philip C.
Miles, George N.
Miller, Charles W.
Miller, David C.
Miller, Homer H.
Minneci, Salvatore.
Minneci, Salvatore, McKenney and De Noyers.
Mittag, Albert H.
Mittag, Albert H., and Mulhern.
Moe, Robert E.
Mohler, Donald, and Sellers.
Morey, Arthur H.
Morrill, Weston.
Morrissey, John P.
Morse, Philip W., and Davis.
Moullin, Eric B.
Mounce, Alfred R.
Mungovan, Robert E., and Orr.
Murdock, Thomas B., and Ball.
Myers, Robert L.
Nason, Harold A.
Nelson, Evan H.
Nelson, Evan H., and Power.
Nelson, John D.
Nelson, John D., Pyle, and Underwood.
Nelson, Richard B.
Nelson, Thomas F.
Nerad, Anthony J.
Neuland, Joseph G.
Newell, Heber L.
Noel, Edward B.
Noel, Edward B., and Davis.
Nordlander, Birger W.
Nordlander, Birger W., and Loritsch.
Norgaard, Donald E.
Norman, Wayne R.
Northup, Robert P.
Oday, Arthur B., and Barr.
Ogle, Hugh M.
Oliver, James H.
Oppel, John A.
Ordas, Arthur F.
Page, Richard S.
Page, Robert G.
Pagenkemper, Arthur H., and Cain.
Palmer, John H.
Paluev, Konstantin K.
Parker, Rollin J.
Parks, Herman D.
Parry, Ralph E.
Parsons, Robert J.
Patten, Ray E.
Paul, William E.
Peterson, Justin.
Phillips, Lester L.
Pietsch, Joseph A.
Pipkin, Marvin.
Pistey, John M.
Potter, Everett F.
Powers, James H.
Pratt, Harry G.
Prendergast, James J.
Prener, Jerome S.
Price, John C.
Prince, David C.
Pyle, James J.
Quinn, Frederic R.
Quinn, Joseph G.
Raney, Edwin A.
Ranks, John E.
Rasmussen, Thomas J.
Reek, Donald C.
Reisch, George J.
Reisch, George J., and Skolfield.
Rex, Charles H.
Reynolds, Kenneth W.
Reynolds, William W., and Lipsey.
Rhoads, James C.
Rich, Theodore A.
Rich, Theodore A., and Bigelow.
Richert, Abraham J.
Ricketts, Robert E.
Robbins, Alexander G.
Roberts, Edward H.
Roberts, John A.
Rocco, William A.
Roedel, George F.
Rosenkrans, Frank A., and Sale.
Ross, Herbert L.
Ross, Irvine E., and Loveland.
Rowell, Ralph M.
Rowell, Ralph M., and Nylander.
Ruff, Harold R., and Bourne.
Runaldue, Lewis R.
Ruscoe, Garnet W.
Rutenberg, Anatol.
Ryckman, William D., Jr.
Sambleson, Robert F.
Sauer, Robert O.
Savage, Robert H.
Schaffer, Herman W.
Scheldorf, Owen H.
Schettler, William R.
Schlawin, Ralph G.
Schmidt, August, Jr.
Schneider, Harold N.
Schoenfeldt, Herman R.
Scoles, Graham J.
Scott, Benjamin B.
Scott, Benjamin B., Greene, and Valentine.

General Electric Company, assignee: *See*—Continued.
Scott, William J.
Sear, Arthur W.
Seaver, John D.
Secor, Herbert W.
Sederquist, Carl E.
Semany, Paul D.
Sheahan, Robert E.
Shepard, Billy R., and Short.
Sheppard, Raymond.
Shickel, James B.
Short, Thomas T.
Siciliano, Anthony C.
Simon, Harry, and Gleason.
Sink, Robert L.
Sinks, Allen T., Pfuntner, and Gabrielson.
Skopic, John.
Slonneger, John L.
Smith, Archie E.
Smith, Norman A., and Darrah.
Smith, Richard E.
Smith, Robert E.
Smith, Wolcott M.
Smith-Johannsen, Robert.
Snow, Barton H.
Somerville, Gareth G.
Sommerville, Gareth G.
Southern, Raymond L.
Spooner, David C., Jr.
Spooner, David C., Jr. and Greenhalgh.
Spooner, David C., Jr., and Holmes.
Sprung, Murray M.
Stadthaus, Kurt R.
Stanworth, John E., and Dale.
Stark, Julian H.
Steenstrup, Christian.
Steiner, Harry C.
Stephenson, Hugh M.
Stevens, Leland J.
Stone, Joseph E., and Geissbuhler.
Straney, Kenneth O.
Strong, Herbert M.
Studders, Robert J., and Ebeling.
Sturgess, George A.
Summerhayes, Harry R., Jr.
Summers, Erwin R.
Sway, Henry C.
Swenson, Alfred G.
Swerdlow, Nathan, and Abel.
Syrovy, Gerald H., and Seaman.
Taylor, Clement F.
Taylor, Edward C., Holland, and Cunha.
Terrey, Robert J.
Thomas, Charles A.
Thomas, Henry P.
Thompson, Charles T.
Thumim, Carl.
Titus, Charles H.
Tucker, John B.
Tucker, William H.
Tyler, Leslie P.
Unger, Magnus.
Unger, Magnus, and Bates.
Vahle, Julius, Goodness, and Heath.
Valentin, André.
Valentine, Frank E.
Van Nest, Francis H., and Wales.
Van Valkenburg, Howard E.
Van Valkenburg, Howard E., and Wasserman.
Vause, Arthur S.
Vonnegut, Bernard.
Wade, Elmer J.
Wagner, Ernest A.
Waguet, Philippe.
Wakefield, Kenneth E.
Walker, Chapman J.
Walley, James A.
Waltersdorf, Felix S., Scott, and Grothouse.
Walthers, Earle R.
Walton, Warren L.
Warner, Russell A.
Warren, Glenn B.
Warrington, Albert R. V.
Wattenberger, Vernon J.
Weiser, Earnest F.
Welch, Alanson U., Jr.
Welch, Stanley B.
Wells, Robert S.
Wendt, Harry C.
West, Harry R., and Sayles.
White, William C.
Wickman, George E.
Wieseman, Robert W.
Wightman Lawrance W.
Wightman, Lawrence W., and Willits.
Wilcock, Donald F.
Wilcock, Donald F., and Sprung.
Williams, William D.
Willits, Glenn D.
Willoughby, Anthony H.
Wilman, Donald, and Clarke.
Winn, Oliver H.
Witherspoon, Jack, Jr.

General Electric Company, assignee: *See*—Continued.
Witzgall, Herbert J.
Woestemeyer, Francis B.
Wolfe, John K.
Wood, Orla L., and Hackett.
Woodson, Thomas T.
Worcester, Joseph A., Jr.
Wormuth, Wilbur J.
Worst, Joseph C., and Dayton.
Worth, Thomas F.
Wrobel, Henry T., and Bakke.
Wyman, Bryce W.
Wyman, Howard A.
Yoder, Joe.
Young, Charles M.
Young, James F.
Young, Robert B.
Zaloudek, Theodore V.
Zelt, Elmer J.
General Electric Company, Limited, The, assignee: *See*—
Brittain, Francis H., and James.
Espley, Dennis C.
Land, Leonard E.
Lovell-Foot, John B., and Hawes.
Michaelis, Wolfgang M.
Smyth, John B. S.
Sowter, Anthony B.
Veevers, John F., and Turner.
Welch, Eric E.
Willshaw, William E.
General Fireproofing Company, The, assignee: *See*—
Reitzel, Clarence R.
Straubel, Clarence W.
Swimmer, Albert T.
General Fluid Machinery Company, assignee: *See*—
Johnston, Douglas.
General Foods Corporation, assignee: *See*—
Arndt, Wilhelm P.
Haughey, Clifton F., and Erickson.
Kaufman, Charles W., and de Maya.
General Foundry and Machine Company, assignee: *See*—
Giles, George W., and Wicker.
General Gas Light Company, assignee: *See*—
Humphrey, Robert P.
General Industries Company, The, assignee: *See*—
Capell, Sidney E.
Van der Woude, Fritz R.
General Instrument Corporation, assignee: *See*—
Fisher, Berne N.
James, Maxwell and Fisher.
General Instruments Inc., assignee: *See*—
Congdon, Richard L.
Perry, Edward G., Jr.
General, Joseph, and M. A. Bennett, Dayton, Ohio. Electronic air flow indicator. 2,583,561, Jan. 29.
General Laboratory Associates, Inc., assignee: *See*—
McNulty, John V.
General Lens Co., assignee: *See*—
Okey, Perry.
General Metals Corporation, assignee: *See*—
Kent, Owen C.
General Mills, Inc., assignee: *See*—
Aelony, David.
Andres, William A.
Aske, Leonard E.
Brastad, William A.
Carpenter, Frank W.
Coffman, John R.
Erickson, John G.
Fischer, Paul E., and Sturdevant.
Floyd, Don E.
Graham, Maurice H.
Harrison, Stuart A.
Huch, William F.
Huch, William F., and Hakomaki.
Isbell, Arthur F.
Moe, Owen A.
Moe, Owen A., and Warner.
Moen, Rolf, and Dalquist.
Morrison, Creighton H.
Opie, Joseph W., Warner, and Moe.
Polivka, John N., and Scharfenberg.
Roach, John R., and Wittcoff.
Royal, Celestian L.
Schweiso, Clifford C.
Terry, David E., and Warner.
Van Guilder, Walter.
Wittcoff, Harold.
Wittcoff, Harold, and Jordan.
Wittcoff, Harold, and Roach.
General Motors Corporation, assignee: *See*—
Abreach, Carel F.
Albaugh, Merton V.
Albinson, Harold H.
Alexander, Donald F.
Alexander, Horace W.
Allen, Ernest C.
Anderson, Louis A., and Slattery.
Bales, Max G.
Barcus, Edward L.
Biraben, Henri E.
Blanchard, Werner J., Haines, Martin, and MacNeil.
Blomberg, Martin P.
Boegehold, Alfred L.

General Motors Corporation, assignee: *See*—Continued.
Bolles, Julius H.
Boyd, Robert E., McFadden and Bennett.
Bremer, Robert D.
Brill, William E.
Brill, William E., and Junge.
Brouwer, Rodger D.
Brown, William E.
Brundage, William F., and Huntzinger.
Burge, James S., McKee, Rider, Conrad, and Foust.
Bush, Russell J.
Bychinsky, Wilfred A.
Candelise, Alfred.
Candor, Robert R.
Cargill, Don A.
Carlson, Wilbur L.
Carnegie, William L.
Carson, Howard, and Muzzey.
Carson, Stanley R.
Cassidy, Robert J.
Chilton, Ralph H.
Church, Walter L., and Bychinsky.
Clark, Harry F.
Clark, Kendall.
Claytor, Edward M.
Clingman, Paul E.
Cobb, Leland D.
Collins, Edward W.
Cramer, Raymond H.
Cripe, Alan R.
Denlinger, Orlan.
Dermond, Lawrence C.
Dilworth, Richard M.
Dilworth, Thomas B., and Schalla.
Doelker, William J., Jr., and Hildabolt.
Dolza, John.
Donley, Carson O.
Doughty, Robert T.
Dunlop, David J.
Dykstra, James.
Ellerby, Robert O.
Elliott, Harold V.
Elliott, Harold V., and Short.
Else, John G.
Emery, Sheldon B.
Ervin, Charles E., Jr.
Erwin, Wesley S.
Falge, Richard N., and Onksen.
Falge, Robert N.
Fausset, Ernest R., and Todd.
Feldman, Jack E., and Martin.
Ferris, Donald K.
Fischer, Albert W., and McDuffie.
Fitzsimmons, John T.
Fletcher, William A.
Foust, Floyd J., Burk, and Whelchel.
Foust, Floyd J., Childress, Crim, and Thompson.
Foust, Floyd J., Shaw, McKee, Rider and Burge.
Frank, Bernard E.
Frank, Bernard E., Armstrong, and Histed.
Frank, Clarence E.
Funkhouser, Mearick.
Gandelot, Howard K.
Gaubatz, Arthur W.
Gaugler, Richard S.
Geyer, Howard M.
Geyer, Howard M., and Carson.
Gibson, J. Lowell.
Gierwiatowski, Olgierd.
Grooms, Albert O.
Guernsey, Robert W.
Habel, Carl.
Hahn, Rea I., and Frank.
Haines, John F.
Hammond, Almerion J.
Harris, Edward P., and Sampson.
Hawkins, Harry.
Hazen, Ronald M., and McDowall.
Hegeman, Franklyn P.
Heimgartner, Leo C., Bush, and Clingman.
Henney, Charles F.
Herndon, Walter B.
Herndon, Walter B., and Hardy.
Heyl, Russell G., Jr.
Hogsten, Leslie G., and Polhemus.
Holmes, John R., and Schwarz.
Hope, Lawrence F.
Hutchinson, Philip H.
Jackson, George W.
Jacobs, James W.
Jagen, Theodore A.
Kaufman, Daniel L.
Kearful, Godfrey G., Verbrugge, and Malone.
Kehrl, Howard H.
Kelley, Oliver K.
Kelly, Dennis H.
Klopak, Joseph.
Koehring, Roland P.
Kraus, Gerard, and Conciatori.
Lamos, Albert, Jr.
Lantz, Donald G.
Large, Samuel R.
Larsen, Grayland T.
Lawson, John W., and Brown.

General Motors Corporation, assignee: *See*—Continued.
Leach, Clayton B.
Lillquist, Torsten O.
Lincoln, Clovis W., Zeigler, and Malone.
Louthan, Chester F., and Long.
Martin, Edward J., and Frawley.
Martin, Edward J., and Wilson.
Marvin, John T., and McFadden.
Mathues, Thomas O.
McClean, Herbert G.
McClelland, Clarence P.
McCormick, Francis H.
McCoy, and Sample.
McDougal, Taine G., and Pierce.
Mead, Howard C.
Mead, Howard C., and Onksen.
Michelsen, Henry.
Mitzelfeld, Thomas H., and Zmuda.
Morgann, Robert O., and Bush.
Muzzey, Clifford L.
Muzzey, Clifford L., and Carson.
Nichols, Charles A., Bower, Weiser, Edwards, Fletcher,
Novak, Joseph N.
O'Brien, William J.
O'Dell, Thomas.
Oldham, Ernest.
Olson, Elmer.
Onksen, George W., Jr.
Onksen, George W., Jr., Stuart, and Dow.
Parkins, Albert W.
Pearce, George C.
Penn, Melvin P.
Plexico, Robert S.
Prucha, Frank M.
Putnam, Nelson E.
Rady, William J.
Rasmussen, Olaf, and Rike.
Reindl, Harold J., and Prance.
Richardson, David A.
Ridge, Donald C.
Riedel, Walter W.
Rippingille, Frank.
Rives, George A.
Rogers, Philip S., Emmons, Godfrey, and Kelso.
Rossman, Edwin F.
Russell, Gilbert A.
Sampson, Frederick W.
Sampson, Frederick W., and Harris.
Schilling, Robert.
Schjolin, Hans. O.
Schluchter, Alfred W.
Schneider, Paul L.
Schneider, Paul L., Taylor, and Cromwell.
Schuldt, Howard J.
Schultz, Harold W.
Schwarz, Bertram A.
Schweller, Edmund F.
Shewmon, Ralph K.
Short, Brooks H.
Short, Brooks H., and Fitzsimmons.
Short, Brooks H., Wilkins, Shaw, and Dyer.
Sisson, Kenneth O.
Smith, Rolf M.
Swan, Harry C.
Swan, Harry C., and Riedel.
Swigert, Clarence J.
Terhune, Frank A.
Thoms, Louis.
Trisler, Milton A.
Tuttle, Charles D., Larsen and Lamm.
Tynan, Andrew G.
Uhl, Peter W.
Underwood, Roger D.
Urquhart, Glenn R.
Van Degrift, Thomas C.
Wallace, De Loss D.
Wallis, Cyril T.
Werner, Calvin J.
Wernig, James H.
Whelchel, Rupert C.
Winefordner, Roland A., and McPheron.
Wirtz, Frank E.
Wise, Ralph H.
Woofter, Robert C.
Worden, Donald P.
Young, Leo L., Drechsler, and Brozozowski.
General Patent Corporation, assignee: *See*—
Durant, Lyndon A.
General Precision Laboratory Incorporated, assignee: *See*—
Anderson, Robert V.
Crane, Robert, Jr., and Gamertsfelder.
Crane, Robert, Jr., and Pourciau.
Duvoisin, Jean A.
Garman, Raymond L., and McKendry.
Gilbert, Clarke M.
Gillette, Frank N.
Gillon, John W.
Gray, John W.
Greenwood, Ivan A., Jr., and Hales.
Hales, Everett B.
Hayek, Arthur F.
Hodder, Wayne K., Gamertsfelder, and Jacobson.

General Precision Laboratory Incorporated, assignee: *See*—Continued.
Hodder, Wayne K., Pourciau, and Lee.
Lee, Richard W., and Pourciau.
Maybarduk, Leon A.
Mayer, Allan.
McGuire, John P., Reed, and Paine.
McKendry, John K., and Garman.
Mercier, Edward G.
Zaleski, John F.
General Presswork & Stampings Limited, The, assignee: *See*—
Lenton, Ronald W.
General Radio Company, assignee: *See*—
Tuttle, William N.
General Railway Signal Company, assignee: *See*—
Barker, William M.
Branson, Edward H.
Burnett, James H.
Craig, Frank S.
Dryden, George H.
Durand, Paul H.
Field, Oscar S.
Field, Oscar S., and Freehafer.
Field, Oscar S., and Wight.
Haner, Robert B., Jr.
Hewes, Ralph W.
Howard, James Y.
Jacobus, John J.
Johanek, George J.
Judge, Thomas J.
Kendall, Hugh C., and Orpin.
Larry, Edwin C.
Livingston, Waltrus L.
O'Brien, John C., and Sibley.
Preston, Neil D.
Rees, Frank X., and Bechtold.
Reichard, Wade H.
Stright, Benjamin M.
Wells, Robert F.
General Register Corporation, assignee: *See*—
Helsel, Reuben H.
Milburn, Robert.
Webb, Christopher F.
General Scientific Corporation, assignee: *See*—
Lowenthal, Herman.
General Slicing Machine Company, Inc., assignee: *See*—
Preble, Harry, Jr.
General Steel Castings Corporation, assignee: *See*—
Ainsworth, Thomas H.
Clarke, Allen W., and Krautheim.
Jackson, Edwin C.
Krautheim, William C.
Pagenkemper, Arthur H., and Cain.
Pflager, Harry M.
Travilla, James C., Jr., and Glenn.
General Strapping Corporation, assignee: *See*—
Cheesman, John J.
General Teleradio, Inc., assignee: *See*—
Lubcke, Harry R., and Dean.
General Time Corporation, assignee: *See*—
Beiser, Elmer H.
Campbell, Arthur B.
Corey, Charles D.
Lorenz, Richard L.
MacLean, John B.
West, Albert J.
General Tire and Rubber Company, The, assignee: *See*—
Baker, Walter S.
Beck, Howard G.
Breth, Walter J.
Cleland, Fred B., Baranecky, Kolk, and Wetzel.
Dodge, Howard M.
Engler, Max.
Frehse, Walter C.
Iredell, Robert.
Kalafus, Edward F.
Kelly, John H., Jr.
Kraft, Herman T.
O'Neil, William F.
Schaffel, Gerson S.
Schaffel, Gerson S., and Wollison.
Swart, Gilbert H.
Thiry, Leon F.
Genesee Research Corporation, assignee: *See*—
White, Chester M.
Genjack, Conrad, North Vancouver, British Columbia, Canada. Baby safety and teething biscuit. 2,604,404, July 22.
Genovese, Anthony L., assignor to The National Plastic Products Company, Odenton, Md. Crown cap and pad. 2,581,647, Jan. 8.
Génot, Charles H.: *See*—
Chabrier, Pierre, Giudicelli, and Génot.
Gensel, William L.: *See*—
Jacobi, Thomas E., and Gensel.
Gensmer, Theodore F., assignor to H. M. Seivert, Portland, Oreg. Door-actuated mailbox signal. 2,592,555, Apr. 15.
Gent, Edgar W., Morristown, N. J., and W. W. Werring, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Machine for beading silver chloride plates. 2,622,271, Dec. 23.
Gent, Richard T.: *See*—
Fish, Kenneth R. G., and Gent.
Genter, Albert H., Mount Lebanon, Pa. Combustion hanger and clamp for supporting electrical conductors. 2,596,022, May 6.
Gentile, Vincent, Jr., Brooklyn, N. Y. Flow tube differential pressure producer. 2,605,639, Aug. 5.
Gentile, Vincent, Jr., Brooklyn, N. Y. Flow tube differential pressure producer. 2,617,301, Nov. 11.
Gentsch, George A., Oklaunion, Tex. Portable apparatus for obtaining linear measurements. 2,580,538, Jan. 1.
Gentz, Donald F.; R. Smolka, trustee, assignor to Henrich Lumber Inc., Buffalo, N. Y. Telescoping type measuring rule. 2,603,877, July 22.
Genuchten, Antonius J.: *See*—
Loosjes, Robert, and Genuchten.
Geoffrion, Roméo, Montreal, Quebec, Canada. Humidifying radiator. 2,606,993, Aug. 12.
Geohegan, William A., Larchmont, N. Y. Electronic counter. 2,595,519, May 6.
Geophysical Exploration Company, assignee: *See*—
Brant, Arthur A.
Brant, Arthur A., and Gilbert.
Geophysical Research Corporation, assignee: *See*—
Hartmann, Carl H. W.
Kendall, James M.
Owen, John E.
Georgas, John N., Corsicana, Tex. Endless mop belt type floor mopping machine. 2,601,690, July 1.
George, Edgar C.: *See*—
De Windt, Joseph J., and George.
George, Edward B.: *See*—
Price, Hyman, and George.
George, Everett D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Method of and apparatus for splicing rubber. 2,611,722, Sept. 23.
George, George W., Santa Monica, Calif. Figure toy with food representing rattle elements. 2,602,264, July 8.
George, Harold J.: *See*—
Elliott, Harold E., George, and Rivington.
George, Harry F., Chicago, Ill. Tumbler lock. 2,588,230, Mar. 4.
George, Harry S., Massapequa, N. Y. Torch cutting apparatus for surfacing weld metal. 2,601,383, June 24.
George, Kenyon P.: *See*—
Cary, Henry H., Hawes, and George.
Cary, Henry H., Hawes, Stickney, and George.
George, Percy F.: *See*—
Kirk, Roy C., Fry, and George.
George, Peter R.: *See*—
Packer, Donald H., and George.
George, Ramon H., Baltimore, Md. Wheel chock. 2,591,348, Apr. 1.
George, Robert A., assignor to Willson Products, Inc., Reading, Pa. Respirator. 2,620,794, Dec. 9.
George, Roscoe H., West La Fayette, assignor to Purdue Research Foundation, La Fayette, Ind. Static elimination from aircraft. 2,616,638, Nov. 4.
George, Ross F., Seattle, Wash. Ruling guide for artists' pens. 2,590,243, Mar. 25.
George, Thomas W.: *See*—
La Torre, Richard R., and George.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Corner construction for marginally flanged paperboard container covers. 2,603,406, July 15.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Heavy-duty shipping container. 2,611,526, Sept. 23.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Shipping carton with handhole reinforcing and flap securing clip. 2,611,530, Sept. 23.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Shipping container. 2,620,119, Dec. 2.
George, Will L., Corporation, assignee: *See*—
George, William L.
George, William L., assignor to Will L. George Corporation, Grand Rapids, Mich. Check stand for grocery stores and the like. 2,599,909, June 10.
George, Woodrow W., Kansas City, Kans., and J. F. Kolich, Kansas City, Mo., assignors to W. W. George, Kansas City, Kans., J. F. Kolich, Kansas City, Mo., and L. R. Hobbs, Lenexa, Kans. Bag turner and labeler. 2,607,506, Aug. 19.
Georgeff, Vasil: *See*—
Danly, George I., and Georgeff.
Danly, James C., and Georgeff.
Danly, Philo H. and G. I., and Georgeff.
Danly, Philo H., and Georgeff.
Georgeff, Vasil, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Hydropneumatic locking cushion for power presses. 2,584,339, Feb. 5.
Georgeff, Vasil, assignor to Danly Machine Specialties, Inc., Chicago, Ill. Mechanical trip control for presses. 2,594,909, Apr. 29.
Geotechnical Corporation, assignee: *See*—
Hudson, Arthur C.
Geovision Incorporated, assignee: *See*—
Rieber, Frank.
Roth, Wilfred, and Ohman.
Gerard, George A., Short Hills, assignor to Jiffy Manufacturing Company, Hillside, N. J. Making fiber products. 2,584,693, Feb. 5.

Gérard, Paul, Paris, France. Combined fluid pressure and mechanical bearing for gas turbine engines. 2,623,353, Dec. 30.
Gerard, Paul L. J.: *See*—
Audemar, Pierre G. J. M., and Gerard.
Gerbaud, Henri, New York, N. Y. Doll and the like. 2,598,781, June 3
Gerbaud, Henri, New York, N. Y. Walking and sitting doll. 2,622,368, Dec. 23.
Gerbe, Jack, assignor to Comet Envelope & Paper Co., Inc., New York, N. Y. Cutting device for moving strip. 2,592,268, Apr. 8.
Gerber, Alfred, Zurich, Switzerland. Sighting device for weapons. 2,590,954, Apr. 1.
Gerber, Alfred H., Bay Village, assignor to The H. K. Ferguson Company, Cleveland, Ohio. Building construction. 2,586,934, Feb. 26.
Gerber & Co., assignee: *See*—
Hora, Josef.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,581,949, Jan. 8.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,587,991, Mar. 4.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner with self-retracting electrical cord. 2,591,250, Apr. 1.
Gerber, Dale C., North Canton, F. A. Martin, Akron, Ohio, and E. L. Snyder, St. Petersburg, Fla., assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,594,416, Apr. 29.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner construction. 2,594,417, Apr. 29.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,605,696, Aug. 5.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,608,268, Aug. 26.
Gerber, Edward R., Stockton, Calif., assignor to International Harvester Company. Disk harrow construction. 2,606,415, Aug. 12.
Gerber, Eugène, Buenos Aires, Argentina. Means for producing embroideries. 2,622,551, Dec. 23.
Gerber, George A., Roselle, and R. A. Mullaney, Elmwood Park, Ill., assignors to Zenith Radio Corporation. Adjusting the speed of variable-speed turntables. 2,597,238, May 20.
Gerber, George L., Naperville, Ill., and H. E. Lee, Beverly Hills, Calif., assignors to Kroehler Mfg. Co., Naperville, Ill. Steel and wood furniture frame construction. 2,597,860, May 27.
Gerber, Henri, Bienne, Switzerland, assignor to Omega Louis Brandt & Frere S. A. Resilient securing means for watch movements. 2,623,350. Dec. 30.
Gerber Products Company, assignee: *See*—
Burnett, Edward N.
Tambini, Albert L., Burnett, Fischer, and Lima.
Gerds, Adolph D. F., Milwaukee, Wis. Traction device for vehicle tires. 2,616,476, Nov. 4.
Gerecht, Karl L., Kassel, Germany. Screen centrifuge for cleaning clays. 2,621,793, Dec. 16.
Gerhardt, Fred, assignor of one-half to B. Werfel, Fresno, Calif. Truck and trailer body. 2,596,478, May 13.
Gerhart, Howard L.: *See*—
Businger, Roger T., and Gerhart.
Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Copolymers of cyclopentadiene. 2,601,273, June 24.
Gerhold, Alfred, Westcliff-on-Sea, England. Spring operated projector catcher. 2,617,651, Nov. 11.
Gerhold, Clarence G.: *See*—
Brown, Kenneth M., and Gerhold.
Gerhold, Clarence G., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for effecting the fluidized catalytic conversion of a reactant stream. 2,585,238, Feb. 12.
Gerin, Jacques J.-M. J., Boulogne sur Seine, France. Arrangement for the take-off of aerodynes by means of starting carriages. 2,604,279, July 22.
Gerity-Michigan Corporation, assignee: *See*—
Kinker, Clarence C., and Murtagh.
Knoch, Harold M.
Gerjovich, Henry J.: *See*—
Englert, Robert D., Gerjovich, and Pijoan.
Gerks, Irvin H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Axis converter. 2,599,381, June 3.
Gerlach, Carl H., Maple Heights, Ohio. Welding rod feeding device for torch carriages. 2,602,412, July 8.
Gerlach, Carl H., Solon, Ohio. Supporting and projecting mechanism. 2,597,861, May 27.
Gerlach, Charles L., assignor to Michael Yundt Company, Waukesha, Wis. Bottle washing machine. 2,607,361, Aug. 19.
Gerlach, Hugo, assignor to Block & Anderson Limited, London, England. Master clip opening means for rotary duplicating machines. 2,599,252, June 3.
Germain, Leo M., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Splicing paper. 2,587,833, Mar. 4.
Germain, Leo M., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Alcoholysis of polyvinyl esters. 2,605,259, July 29.
German, Irvine F., Jr.: *See*—
Jacolev, Leon, and German.
Skelton, William E., German, Kirsch, and Overbaugh.
Germann, Frank A., Ripley, Ohio. Roll-up type vehicle top cover. 2,594,910, Apr. 29.
Germann, Richard P., Plainfield, M. E. Hultquist, Bound Brook, and J. M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Compositions containing mixtures of 4-aminosalicylic acid and its basic calcium salt. 2,611,732, Sept. 23.
Germans, Fedde H., Delft, assignor to de Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoheve van Nijverheid, Handel en Verkeer, The Hague, Netherlands. Measuring of the standard deviation. 2,623,927, Dec. 30.
Germanton, Charles E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm sending circuit. 2,580,757, Jan. 1.
Germany, Leslie W.: *See*—
Cope, John E., and Germany.
Germer, Lester H., Millburn, and G. E. Reitter, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Process and apparatus for semicontinuous plating. 2,587,036, Feb. 26.
Germeshausen, Kenneth J., Newton Centre, Mass. Gaseous-discharge device. 2,592,556, Apr. 15.
Gerner, Theodore C., Oklahoma City, Okla. Device for repairing pinion bearings. 2,583,261 Jan. 22.
Gero, Adelard J., Jr., Taftville, Conn. Tailless convertible airplane and roadmobile. 2,609,167, Sept. 2.
Gero, William B., Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Incandescent electric lamp. 2,605,440, July 29.
Gerotor May Corporation, assignee: *See*—
Quintilian, Bartholomew F.
Stone, Albert R.
Gerow, Theron G., assignee: *See*—
Hammond, Newton.
Gerrard, A. J., & Company, assignee: *See*—
Palmleaf, Herbert.
Gerrard, Alan J.: *See*—
Clarke, John S., Gregory, and Gerrard.
Gerrits, Paul H., Appleton, Wis. Steering means for mobile conveyances. 2,613,944, Oct. 14.
Gerritsen, Dirk J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Separating shells and meat of shellfish. 2,600,867, June 17.
Gerry, Everett D., New York, N. Y. Shoulder pad. 2,620,484, Dec. 9.
Gerry, Otto F., Brockport, N. Y., assignor to General Electric Company. Beater ejector. 2,605,085, July 29.
Gersbach, Herbert A., Malverne Park, assignor to Perey Manufacturing Company, Inc., New York, N. Y. Combined turnstile and article dispensing mechanism. 2,618,085, Nov. 18.
Gershater, Samuel H.: *See*—
Feiner, Nathaniel, and Gershater.
Gershen, Irvin J., Hillside, assignor to S. Zaifert, Jersey City, N. J. Eyeglass case. 2,590,955, Apr. 1.
Gerson, Benjamin S., assignor to National Formetal Company, Cleveland, Ohio. Bushing. 2,586,528, Feb. 19.
Gerson, Fred, Elmhurst, N. Y. Display and packaging device for hardware articles. 2,607,477, Aug. 19.
Gerson, Fred, Elmhurst, N. Y. Envelope structure. 2,607,524, Aug. 19.
Gerson, Gerhard, Rumford, R. I., assignor to Fram Corporation, Gas filter. 2,586,935, Feb. 26.
Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Fluid operated clutch. 2,586,220, Feb. 19.
Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Power takeoff. 2,600,108, June 10.
Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Power take-off. 2,619,208, Nov. 25.
Gerstenberger, Walter: *See*—
Rhines, Thomas B., and Gerstenberger.
Gerstenberger, Walter, Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic bungee. 2,583,828, Jan. 29.
Gerth, John H., Winston-Salem, N. C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test set for measuring the angle represented by synchro voltages. 2,609,435, Sept. 2.
Gertzon, Thora M., New York, N. Y. Venetian blind control. 2,594,637, Apr. 29.
Gervais, Frederick J.: *See*—
Wankat, Charles, and Gervais.
Gerwick, Ben C., Berkeley, assignor to Ben C. Gerwick, Inc., San Francisco, Calif. Pile construction. 2,620,633, Dec. 9.
Gerwick, Ben C., Inc., assignee: *See*—
Gerwick, Ben C.
Gerwin, Harry L., United States Navy, Washington, D. C. Signal generator. 2,596,142, May 13.

Gerwin, Harry L., and H. A. Humiston, Washington, D. C. Visual communication system. 2,624,043, Dec. 30.

Geschickter, Charles F., Rock Creek Hills, and M. I. Rubin, Silver Spring, Md., assignors to Geschickter Fund for Medical Research, Inc., New York, N. Y. Salicylic acid salt of 8-(5'-isopropylaminoamylamino)-6-methoxyquinoline. 2,594,418, Apr. 29.

Geschickter, Charles F., Rock Creek Hills, and M. I. Rubin, Silver Spring, Md., assignors to Geschickter Fund for Medical Research, Inc., New York, N. Y. Di-salicylate of 7-chloro-4-(4'-diethylamino-1'-methylbutylamino)quinoline. 2,594,419, Apr. 29.

Geschickter Fund for Medical Research, Inc., assignee: *See*—
Geschickter, Charles F., and Rubin.

Gesellschaft der Ludw. von Roll'schen Eisenwerke A. G., assignee: *See*—
Schnyder, Ottmar.

Gesellschaft fuer Linde's Eismachinen A.-G., assignee: *See*—
Borchardt, Philipp.

Gesellschaft zur Forderung der Forschung an der E. T. H., Zurich, assignee: *See*—
Thiemann, Hugo.

Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, assignee: *See*—
Eichelberg, Gustav.
Honegger, Emil.

Gesellschap, Robert A., Kirkwood, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical fuse cutout. 2,585,003, Feb. 12.

Gesellschap, Robert A., Kirkwood, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,620,410, Dec. 2.

Gesner, Carleton P., New Haven, Conn. Radial saw. 2,584,863, Feb. 5.

Gesner, Carleton P., New Haven, Conn. Tool carriage support and dust guard therefor. 2,615,762, Oct. 28.

Gesner, Clyde A., assignor to Woodward Governor Company, Rockford, Ill. Multiple governor with common servo. 2,602,655, July 8.

Gesner, Edwin E., Branford, Conn. Tool supporting carriage. 2,602,710, July 8.

Gesner, Edwin E., New Haven, Conn. Tool supporting carriage. 2,598,251, May 27.

Gesner Machine Company, assignee: *See*—
Reynolds, Fred P.

Gessmann, Edmund G., Woodside, assignor to L. Batlin & Son, Inc., New York, N. Y. Lighter. 2,588,231, Mar. 4.

Gessner, David, Company, assignee: *See*—
Dourdeville, Theodore A.

Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Fiber conditioning machine. 2,589,797, Mar. 18.

Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Fiber conditioning machine. 2,589,798, Mar. 18.

Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Apparatus and method of embossing thermoplastic sheets. 2,609,568, Sept. 9.

Getgey, John J., assignor to Empire Ironer, Inc., Cincinnati, Ohio. Portable ironer and stand combination. 2,591,656, Apr. 1.

Getgey, John J., assignor to Empire Ironer, Inc., Cincinnati, Ohio. Ironer stand with convertible work tray slidably mounted therein. 2,591,657, Apr. 1.

Getschman, Paul W.: *See*—
Garner, Abel E., and Getschman.

Gettelman, Gilbert C.: *See*—
Perkins, Layton E., and Gettelman.

Gettins, Edwin G., Los Angeles, Calif. Aerator. 2,600,752, June 17.

Gettins, Edwin G., Los Angeles, Calif. Fluid contact apparatus, 2,622,859, Dec. 23.

Getty, William M., San Mateo, Calif. Piston reforming tool. 2,595,668, May 6.

Getz, Alfred J., Kalispell, Mont. Wheel raising and lowering mechanism for boat trailers. 2,621,942, Dec. 16.

Getz, Arnstead G., Lakewood, Ohio, assignor to The Bishop & Babcock Manufacturing Company. Cellular core for heat exchange units. 2,594,008, Apr. 22.

Getz, Benjamin E., assignor to A. F. Meyer Mfg. Co., Morton, Ill. Agricultural cutting and processing machine assembly. 2,592,269, Apr. 8.

Getz, Benjamin E., assignor to A. F. Meyer Mfg. Co., Morton, Ill. Processing hay and the like. 2,592,270, Apr. 8.

Getz, Delmond L.: *See*—
Condit, William B., and Getz.
Rausenberger, Larence E., and Getz.

Getz, Delmond L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Humidifier for the hot-air chambers of air-heating systems. 2,585,764, Feb. 12.

Getz, Edwin H., Forest Hills, N. Y. Dental tray. 2,583,170, Jan. 22.

Geuder, Paeschke & Frey Co., assignee: *See*—
Netzband, Earl A.
Voigt, Herbert L., and Sliczkiewicz.

Gevaert Photo-Producten N. V., assignee: *See*—
De Smet, Polydoor F., and van Dormael.
Jennen, Jacob J.
Robijns, Willem.
Robijns, Willem P. M. J.
Schwarz, George, and De Smet.
Stevens, René A., Van Der Auwera, and Van Goethem.
Van Dormael, André E., and Van der Auwera.

Geyer, Artur, Kempten, Germany. Spring motor. 2,622,700, Dec. 23.

Geyer, Clarence P., Mason City, Iowa. Corn planter wheel shield. 2,581,526, Jan. 8.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator with dual drive. 2,620,683, Dec. 9.

Geyer, Howard M., and H. Carson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Two-speed engine cooling fan. 2,609,054, Sept. 2.

Geyer, Wallace T., Mount Rainier, Md. Refining molten metal. 2,611,693, Sept. 23.

Ghelmini, Leon J., New York, N. Y. Crochet frame. 2,590,694, Mar. 25.

Gheorghiu, Nicholas D., New York, N. Y. Flashlight with movable varicolored light filter. 2,591,419, Apr. 1.

Gherbas, Joseph F., assignor to Concord Cheese Corporation, Fond du Lac, Wis. Cheese mold. 2,619,029, Nov. 25.

Ghertman, Ioino, and E. Febvre, Saint-Mande, France, assignors to International Business Machines Corporation, New York, N. Y. Record controlled multiplying machine. 2,605,964, Aug. 5.

Ghormley, Edwin L., assignor to United Aircraft Products, Inc., Dayton, Ohio. Electromagnetically controlled valve. 2,622,618, Dec. 23.

Giaccaglia, Mario C. L., and R. A. Mudry, Buenos Aires, Argentina. Ligature applying instrument. 2,614,564, Oct. 21.

Giachetto, John J., Calumet City, D. H. Wagner, Chicago, Ill., and J. E. Wolf, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Process and system for treating hydrocarbon oil with liquid hydrogen fluoride. 2,612,464, Sept. 30.

Giacoletto, Lawrence J., Eatontown, N. J., assignor to Radio Corporation of America. Electrostatic high-voltage generator. 2,588,513, Mar. 11.

Giacoletto, Lawrence J., Eatontown, N. J., assignor to Radio Corportion of America. Magnetometer. 2,603,687, July 15.

Giacopini, August A., Torrington, Conn. Carpenter's plane. 2,601,880, July 1.

Giacosa, Dante, Turin, Italy. Automobile suspension system. 2,582,775, Jan. 15.

Giacosa, Dante, assignor to Fiat S. p. A., Turin, Italy. Sump for internal-combustion engines for motor vehicles. 2,618,351, Nov. 18.

Giambro, Eugenio G.: *See*—
Raymond, John L., Giambro, and Jacobus.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Oil compositions containing stabilized copolymer ester-type pour point depressants. 2,615,843, Oct. 28.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing esters of thiophene-modified copolymers of maleic anhydride with aliphatic vinyl compounds. 2,615,844, Oct. 28.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Esterified allyl ester-polycarboxylic acid copolymers. 2,615,864, Oct. 28.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Copolymers of maleic anhydride with esters of itaconic acid and salts thereof as viscosity index improvers and pour point depressants. 2,616,849, Nov. 4.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing esters of product obtained by reaction between maleic anhydride and vinyl acetate. 2,616,851, Nov. 4.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,616,852, Nov. 4.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing alcohol and amine derivatives of maleic anhydride-itaconic acid ester copolymers as pour point depressants and viscosity index improvers. 2,616,853, Nov. 4.

Giancola, Dominic: *See*—
Bernstein, Seymour, and Giancola.
Bernstein, Seymour, Sax, and Giancola.

Giancola, Dominic J.: *See*—
Bernstein, Seymour, and Giancola.
Bernstein, Seymour, Giancola, and Sax.

Giannini, G. M., & Co. Inc., assignee: *See*—
Klose, Alfred J.

Gianoli, Marcel, Neuilly-sur-Seine, assignor to Societe Civile D'Etudes De Constructions Aeronautiques E. C. A., Paris, France. Robot turn controlling device for airplanes. 2,581,851, Jan. 8.

Giardino, Joseph F., Brockton, Mass. Overflow cutoff safety device for oil burners. 2,597,470, May 20.

Giauque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Valve body with projecting seat. 2,587,569, Feb. 26.

Giauque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Strainer. 2,593,293, Apr. 15.

Gibb, Thomas R. P., Jr., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Purification of borohydrides of the alkali metals. 2,615,788, Oct. 28.

Gibbins, Leonard W.: *See*—
Stibbe, Edward V., and Gibbins.

Gibbon, Samuel Y., Jenkintown, assignor to Air-Shields, Inc., Bucks County, Pa. Apparatus for the treatment of croup and the like. 2,593,134, Apr. 15.

Gibbon, Samuel Y., Jenkintown, assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa. Infant incubator equipment. 2,598,532, May 27.

Gibbons, Clyde F., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,619,276, Nov. 25.

Gibbons, Melvin W., assignee: *See*—
Burke, James A.

Gibbons, Ruth A.: *See*—
Raines, Ruth A.

Gibbons, Wayne, Cleveland, Ohio, assignor to Peter Cherniss. Laundering device. 2,606,435, Aug. 12.

Gibbons, Wayne J., assignee: *See*—
Burke, James A.

Gibbs, Everett H., Wadsworth, assignor to Selberling Rubber Company, Akron, Ohio. Pneumatic tire. 2,592,557, Apr. 15.

Gibbs, Thomas B., Delavan Lake, S. Dinerstein, Delavan, and G. W. Gilman, Janesville, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Electrolytic method and apparatus for the manufacture of tapered conductors. 2,605,218, July 29.

Gibel, Stephen J., Cleveland, assignor to E. Larsen, Lakewood, Ohio. Muffler with a plurality of passages. 2,600,236, June 10.

Gibelli, Nicolas J., Buenos Aires, Argentina. Animated booklet toy. 2,623,325, Dec. 30.

Gibian, Emil F., East Cleveland, assignor to Thompson Products, Inc., Cleveland, Ohio. Inverted extrusion apparatus. 2,594,009, Apr. 22.

Gibler, Madge, administratrix: *See*—
Gibler, Roy F.

Gibler, Roy F., deceased; M. Gibler, administratrix, assignor of one-half to G. Holmes, Cincinnati, Ohio. Heat exchanger baffle structure for air-heating furnaces. 2,612,153, Sept. 30.

Gibson, Alexander J., Philadelphia, Pa. Wrench case. 2,590,307, Mar. 25.

Gibson Electric Company, assignee: *See*—
Hoyer, Norman S.

Gibson, Elgen B., Burbank, Calif. Sinker for fishing lines. 2,611,988, Sept. 30.

Gibson, Fred H., Eureka, Calif. Self-locking knife sheath. 2,618,057, Nov. 18.

Gibson, George A., Jr., New York, N. Y. Sheet feeding mechanism. 2,608,408, Aug. 26.

Gibson, Glenn J., Chatham, and G. R. Rothschild, Somerville, N. J., assignors to Air Reduction Company, Incorporated. Inert gas shielded arc welding method. 2,591,926, Apr. 8.

Gibson, Glenn J., Summit, N. J., assignor to Air Reduction Company, Incorporated. Producing hard-faced metal. 2,592,414, Apr. 8.

Gibson, Harry L.: *See*—
Stone, Harry F., and Gibson.

Gibson, Herbert, assignee: *See*—
McQueen, Peter T.

Gibson, James O., assignee: *See*—
McDonald, Taylor M.

Gibson, Jefferson C., Chicago, Ill. Safety control system for oil burners. 2,582,827, Jan. 15.

Gibson, J. Lowell, assignor to General Motors Corporation, Dayton, Ohio. Conveyer. 2,605,886, Aug. 5.

Gibson, Marshall D., Webster Groves, Mo. Wall plug. 2,610,013, Sept. 9.

Gibson, Orville E., assignee: *See*—
Price, Milton R.

Gibson Refrigerator Company, assignee: *See*—
De Graw, Othel I.
Delp, William J.
Rutenber, Edwin A., and Tillapaugh.
Schrader, Milford J., and Cooke.
Tillapaugh, Harley.

Gibson, Robert C., Birmingham, assignor to Parker Rust Proof Company, Detroit, Mich. Method and material for producing coatings on metal. 2,609,308, Sept. 2.

Gibson, Robert C., Birmingham, assignor to Parker Rust Proof Company, Detroit, Mich. Activation of oxalate metal coating compositions. 2,617,749, Nov. 11.

Gibson, William, assignor of one-half to Daily Mirror Newspapers Limited, London, England. Transfer arrangement for overhead conveyer systems. 2,580,758, Jan. 1.

Gibson, William, and G. S. Bull, assignors of fifty per cent to Daily Mirror Newspapers Limited, London, England. Conveyer for supplying printing plates to presses. 2,620,912, Dec. 9.

Gibson, William R.: *See*—
Clayden, Ronald T., and Gibson.

Giddings & Lewis Machine Tool Company, assignee: *See*—
Daugherty, Jesse.
Gallimore, Keith F., and Schurger.
Hosea, Everett E.
Kaiser, Erwin J.
Kroeger, Edward W., and Daugherty.
McFerren, Edgar L.
Rock, Joseph J.

Gidlund, Jonas H.: *See*—
Gallagher, John P., and Gidlund.

Giebel, Joseph L.: *See*—
Temple, Robert, E. E., and Giebel.

Giebhart, Anton, Baden, near Vienna, assignor to "Semperit" Österreichisch-Amerikanische Gummiwerke Aktiengesellschaft, Vienna, Austria. Giant pneumatic tire. 2,620,009, Dec. 2.

Giedd, Emanuel W., Sioux Falls, S. Dak. Plowshare. 2,596,769, May 13.

Gieffers, Friedrich: *See*—
Duffing, Paul, and Gieffers.

Gielow, George F., Brookfield, and R. L. Edwards, Oak Park, Ill., assignors, by mesne assignments, to American Seating Company. Removable cushion plate and seat standard. 2,612,211, Sept. 30.

Gienger, Fred, Highland Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Silent pawl and ratchet. 2,581,648, Jan. 8.

Gier, John R., Jr., Hudson, Ohio. Battery cable connector. 2,623,085, Dec. 23.

Gieringer, Carl K., and R. Duckering, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Reciprocating bucky diaphragm. 2,591,536, Apr. 1.

Gierke, Le Roy O., assignor of twelve and one-half per cent to William A. Sollen, Edgerton, Wis. Rudder steering sled. 2,605,112, July 29.

Giertz, Robert V.: *See*—
Miller, Avy L., and Giertz.

Gierwiatowski, Olgierd, Oak Park, Ill., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Signal tuned radio apparatus. 2,622,202, Dec. 16.

Giese, Willard E.: *See*—
Overmyer, Calvin J., Giese, and Weckel.

Giesen, Arthur A., assignee: *See*—
Sanborn, Arthur H., and Giesen.

Gieskieng, Marion W., Denver, Colo. Railway wheel checking device. 2,590,603, Mar. 25.

Gieskieng, Marion W., Denver, Colo. Railway wheel checking device. 2,605,392, July 29.

Giesler, Jean V., and P. E. Cate, assignors to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Mounting means for bellows type thermostatically operated valve mechanisms. 2,584,443, Feb. 5.

Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator cabinet shelf. 2,606,806, Aug. 12.

Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,614,021, Oct. 14.

Gifford, Maurice E., Berryville, Ark., assignor to Covert Electric Machinery Company, Joplin, Mo. Device for operation of farm gates. 2,613,972, Oct. 14.

Gifford-Wood Company, assignee: *See*—
Ditolla, William F.

Gift, John, Temple, Pa. Textile inspection apparatus. 2,615,334, Oct. 28.

Giger, Ernst, Zurich, Switzerland. Automatic filling nozzle. 2,622,782, Dec. 23.

Giglia, Alfonse T., Bronx, N. Y. Radius and angle dresser. 2,583,480, Jan. 22.

Giguère, Paul A., Quebec, Quebec, Canada. Ultraviolet photometric method and apparatus. 2,617,940, Nov. 11.

Gilardi, Carlo, Milan, Italy. Frame for light motorcycles or motorbicycles. 2,604,179, July 22.

Gilbert, A. C., Company, The, assignee: *See*—
Morse, Shirley P.
Smith, William R.

Gilbert, Alfred R., assignor to Anemostat Corporation of America, New York, N. Y. Air outlet device for ventilating systems. 2,607,282, Aug. 19.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Grise, Alfred L.
Jacobs, Irving C.
Logan, Joseph A.
O'Donnell, Terrence C.
Rapisarda, Edward D.
Riddle, Roy A., and Mesh.
Tapp, Harry F., and Mesh.
Thomas, Cecil A. P.

Gilbert, Charles E., deceased, Long Island City, N. Y.; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors of said C. E. Gilbert. Machine for assembling electrical connectors. 2,613,432, Oct. 14.

Gilbert, Charles E., deceased, New York, N. Y.; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. Socket receptacle for electric light bulbs. 2,615,072, Oct. 21.

Gilbert, Charles H., Brookline, assignor to Farrington Manufacturing Company, Jamaica Plain, Boston, Mass. Printing apparatus. 2,587,612, Mar. 4.

Gilbert, Charles H., Brookline, assignor to Farrington Manufacturing Company, Boston, Mass. Box puff. 2,618,381, Nov. 18.

Gilbert, Charles H., Brookline, assignor to Farrington Manufacturing Company, Boston, Mass. Printing apparatus. 2,620,729, Dec. 9.

Gilbert, Charles H., Brookline, assignor to Farrington Manufacturing Company, Boston, Mass. Printing apparatus. 2,620,730, Dec. 9.

Gilbert, Clarke M., Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated. Phase advance circuit. 2,590,528, Mar. 25.

Gilbert, Clyde L., Elkhart, Ind., assignor to Owens-Illinois Glass Company. Bottle carrier. 2,593,135, Apr. 15.

Gilbert, Everett A.: *See*—
Brant, Arthur A., and Gilbert.

Gilbert, Everett A., Lake Hiawatha, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Metal detector. 2,580,670, Jan. 1.

Gilbert, Everett E.: *See*—
Otto, Julian A., and Gilbert.

Gilbert, Everett E., Flushing, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Herbicide. 2,581,852, Jan. 8.

Gilbert, Everett E., Flushing, and S. L. Giolito, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Decachlorotetrahydro-4,7-methanoindeneone pesticide and combating noxious organisms therewith. 2,616,825, Nov. 4.

Gilbert, Everett E., Flushing, and S. L. Giolito, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparing decachlorotetrahydro-4,7-methanoindeneone. 2,616,928, Nov. 4.

Gilbert, Everett E., Flushing, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Acaricides. 2,618,583, Nov. 18.

Gilbert, George J., Lakeville, Minn. Magnetized valve keeper tool. 2,612,799, Oct. 7.

Gilbert, George R., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluid flow gauge. 2,618,974, Nov. 25.

Gilbert, George R., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparation of zinc aluminate spinels and the addition of group VI catalysts thereto. 2,623,020, Dec. 23.

Gilbert, Harold H., La Honda, Calif. Andiron. 2,600,753, June 17.

Gilbert, Harold H., San Carlos, Calif. Bascule bridge lock. 2,610,341, Sept. 16.

Gilbert, Harry: *See*—
Folt, Vernon L., and Gilbert.
Schmidt, Richard F., Ardis, and Gilbert.

Gilbert, Harry, and A. E. Ardis, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Stabilization of monomeric 1,1-dicyano ethylene. 2,614,117, Oct. 14.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with vinyl esters. 2,615,866, Oct. 28.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with vinyl esters of aromatic acids. 2,615,867, Oct. 28.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide and propylene. 2,615,874, Oct. 28.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide and isopropenyl esters. 2,615,875, Oct. 28.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide and vinyl esters of alpha-halogen substituted acids. 2,615,876, Oct. 28.

Gilbert, Herman W., Forest Hills, assignor to Cutting Room Appliances Corporation, New York, N. Y. Reel support structure for multiple marker devices. 2,591,694, Apr. 8.

Gilbert, Hilda, Cleveland, Ohio. Belt hanger. 2,598,614, May 27.

Gilbert, Jean W., San Fernando, Calif. Thread holder. 2,605,981, Aug. 5.

Gilbert, Joseph A.: *See*—
Rose, Alfred G., and Gilbert.

Gilbert, Julian K.: *See*—
Floss, Carl W., and Gilbert.

Gilbert, Leon: *See*—
Burtt, Horatio H., Koenig, and Gilbert.

Gilbert, Levi L., Portland, Oreg. Pneumatic insole. 2,600,239, June 10.

Gilbert, Lloyd E.: *See*—
Harper, William W., and Gilbert.

Gilbert, Lloyd O., Davenport, Iowa, and C. C. Buhman, Rock Island, Ill. Black chromium plating. 2,623,847, Dec. 30.

Gilbert, Margaret D., executrix: *See*—
Gilbert, Charles E.

Gilbert, Maxon E., North Scituate, R. I. Cooking stove. 2,589,073, Mar. 11.

Gilbert, Norman S., Brooklyn, N. Y. Casing with reservoir and hand actuated discharge valve. 2,602,946, July 15.

Gilbert, Oscar G., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Production of lead alkyls. 2,621,199, Dec. 9.

Gilbert, Robert E., Gillette, Wyo. Mole chisel plow attachment. 2,590,399, Mar. 25.

Gilbert, Russell C., Stillwater, assignor to Telex Inc., Minneapolis, Minn. Headset. 2,586,644, Feb. 19.

Gilbert, Russell C., Stillwater, assignor to Telex Inc., Minneapolis, Minn. Voltmeter. 2,602,096, July 1.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Wrap spring starter. 2,583,829, Jan. 29.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter. 2,592,271, Apr. 8.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Antifriction bearing and associated member. 2,607,642, Aug. 19.

Gilbert, Stanley A., Red Bank, N. J., assignor to American Briquet Company, Philadelphia, Pa. Making steel. 2,600,238, June 10.

Gilbert, Wesley R., Cranston, assignor to C. I. Hayes, Providence, R. I. Reciprocating hearth mechanism. 2,600,401, June 17.

Gilbert, William I.: *See*—
Montgomery, Charles W., and Gilbert.

Gilbert, William L., Clock Corporation, The, assignee: *See*—
Morganson, Peter H.

Gilbertsen, Gilbert P., Overland, assignor to M. R. Snipen, St. Louis, Mo. Ring rinser. 2,595,933, May 6.

Gilbreath, Earl R., Washington, D. C. Cycle rate timer. 2,596,143, May 13.

Gilbreath, J. D, Alpine, Tex. Automobile engine belt tool. 2,599,102, June 3.

Gilchrist, Albert D.: *See*—
Stewart, Seymour F., and Gilchrist.

Gilchrist, Allan E., Fairview Village, Ohio, and W. J. Koenig, Oak Park, Ill., assignors to The Glidden Company, Cleveland, Ohio. Benzylated soya protein and making same. 2,623,829, Dec. 30.

Gilder, Framroz N., Bombay, India. Domestic water supply system. 2,604,110, July 22.

Gile, Richard M., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Film gate for projection apparatus. 2,614,455, Oct. 21.

Giles, George W., Raleigh, and R. E. Wicker, Pinehurst, N. C., assignors to General Foundry and Machine Company, Fertilizer distributor. 2,619,260, Nov. 25.

Giles, John E., Lockport, Ill. Rotary delivery damper for grain cleaning chambers. 2,587,137, Feb. 26.

Giles, Thomas C., Middlesex, assignor to D. Napier & Son Limited, London, England. Blades of axial flow compressors and turbines and the means of fixing them. 2,606,742, Aug. 12.

Giles, William J., Belleville, N. J., assignor to Tobacco Machine Supply Company, Inc. Cigar wrapping machine. 2,601,856, July 1.

Giles, William J., Belleville, assignor to Tobacco Machine Supply Company, Inc., Linden, N. J. Double wrapping die mechanism for cigar wrapping machines. 2,613,674, Oct. 14.

Giles, Zellner H., Pinole, Calif. Lumber cutting jig. 2,613,707, Oct. 14.

Gilette, Clement J., Detroit, Mich. Trolling reel. 2,587,308, Feb. 26.

Giletti, John, New York, assignor to Roxy Bias Binding, Inc., Brooklyn, N. Y. Trouser curtain. 2,619,647, Dec. 2.

Gilfillan Bros., Incorporated, assignee: *See*—
Allebach, Karl A.
Hargens, Charles W.
Kabuss, Norbert G.
Lindsay, William W., Jr.
O'Neil, William T.

Gilfillan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission and controls therefor. 2,613,773, Oct. 14.

Giljie, Arne, assignee: *See*—
Tonnessen, Adolph.

Gilkerson, Dorothy A., Honolulu, Territory of Hawaii. Film processing hanger. 2,617,339, Nov. 11.

Gilkey, John W.: *See*—
Barry, Arthur J., and Gilkey.

Gill, Bertram T., Dorking, and H. Kemp, Surbiton, England; said Gill assignor to said Kemp. Knockdown crate. 2,613,834, Oct. 14.

Gill, Donald G.: *See*—
Mattie, William A.

Gill, Donald G., assignee: *See*—
Findley, James P., and H. J.

Gill, George H., assignor to The Garrett Corporation Airesearch Manufacturing Company division, Los Angeles, Calif. Oil diverter and dilution system. 2,601,868, July 1.

Gill, Harry A.: *See*—
Daly, Thomas A., and Gill.

Gill, James C., Indianapolis, Ind. Aligning and spacing device for eggs. 2,598,905, June 3.

Gill, James P., assignor to Vanadium-Alloys Steel Company, Latrobe, Pa. Ferrous alloys. 2,588,514, Mar. 11.

Gill, John G.: *See*—
Rawnsley, David W., Green, and Gill.

Gill, Lowell O.: *See*—
Casey, James P., Gill, and Sherman.

Gill, Ray H.: *See*—
Tonge, William R., and Gill.

Gill, Robert L., and F. A. Nash, Portland, Oreg., assignors of eighty-five per cent to R. L. Gill, Vancouver, Wash., and fifteen per cent to H. E. Olson, Portland, Oreg. Vacuum-actuated ash tray for vehicles. 2,616,557, Nov. 4.

Gillaspy, John D., assignor to Trenton Rice, Columbus, Ind. Nursing bottle holder. 2,605,069, July 29.

Gille, Benson D., Los Angeles, Calif. Voice and visual recorder. 2,590,956, Apr. 1.

Gille, Willis H.: *See*—
Kronmiller, Carl G., and Gille.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level responsive switch. 2,580,759, Jan. 1.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Speed responsive generator. 2,581,093, Jan. 1.

Gillen, Eugene O., Milwaukee, Wis. Window ventilator. 2,599,823, June 10.

Gillen, Leslie C., assignee: *See*—
Tuttle, Mary C.

Gillerstrom, Hilmer, Arcadia, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Air line lubricator for pneumatic tools. 2,585,457, Feb. 12.

Gillerstrom, Hilmer, Arcadia, Calif., assignor to Independent Pneumatic Tool Company, Aurora, Ill. Air line lubricator for pneumatic tools. 2,607,441, Aug. 19.

Gillerstrom, Hilmer A., Arcadia, Calif., assignor to Independent Pneumatic Tool Co., Aurora, Ill. Drill cradle. 2,610,030, Sept. 9.

Gillerstrom, Hilmer A., Arcadia, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill. Valve mechanism for pneumatic tools. 2,613,646, Oct. 14.

Gillerstrom, Hilmer A., Arcadia, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill. Valve for pneumatic columns. 2,620,195, Dec. 2.

Gillespie, Bruce G., Cranford, N. J., assignor to Standard Oil Development Company. Carbon-containing Fischer-Tropach catalyst and its preparation. 2,608,535, Aug. 26.

Gillespie, David E., David City, Nebr. Cultivator. 2,591,420, Apr. 1.

Gillespie, Forest H., Los Angeles, Calif. Woodworking machine with automatically movable cutter-carrying frame. 2,593,744, Apr. 22.

Gillespie, Forest H., Los Angeles, Calif. Drawer front shaping and grooving machine. 2,593,745, Apr. 22.

Gillespie, Forest H., and H. C. Lucas, Los Angeles, and D. P. Motta, Glendale, Calif.; said Lucas and said Motta assignors to said Gillespie. Dovetailing attachment. 2,607,375, Aug. 19.

Gillespie, Frank E., Jr., Jamaica Plain, Mass. Toilet paper dispenser. 2,607,546, Aug. 19.

Gillespie Games Company, assignee: *See*—
Gillespie, Homer E.

Gillespie, Harold S., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Reverse current compensating system. 2,606,945, Aug. 12.

Gillespie, Henderson C., Moorestown, N. J., assignor to Radio Corporation of America. High-frequency dielectric heating system. 2,594,420, Apr. 29.

Gillespie, Homer E., assignor to Gillespie Games Company, Long Beach, Calif. Disk game apparatus. 2,595,669, May 6.

Gillespie, Robert N., J. K. Mair, and C. J. McNally, assignors to Cement Gun Company, Inc., Allentown, Pa. Water injection valve combination with cement spraying nozzle. 2,585,004, Feb. 12.

Gillespie, Wilbur F., Bogalusa, La., assignor to Gaylord Container Corporation, St. Louis, Mo. Paperboard product and making same. 2,601,114, June 17.

Gillett, Glenn D.: *See*—
Horton, Joseph W., Haynes, Gillett, and Stephenson.

Gillett, Lewis L., Endwell, assignor to International Business Machines Corporation, New York, N. Y. Extrusion device and process. 2,591,062, Apr. 1.

Gillett, William, Grosse Pointe Park, assignor to Detroit Steel Products Company, Detroit, Mich. End filler flash section. 2,613,768, Oct. 14.

Gillette, Benjamin A., Villa Park, assignor to Cribben and Sexton Company, Chicago, Ill. Ventilated range. 2,586,023, Feb. 19.

Gillette Company, The, assignee: *See*—
Benedict, Michael D., Jr., and Shnitzler.
Lewando, Felix J.
Muros, Joseph.
Testi, Nicholas.

Gillette, Earl D., Hastings-on-Hudson, and T. M. Brown, Bronxville, assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Reactivating bone-char and the like. 2,616,858, Nov. 4.

Gillette, Edwin, Los Angeles, Calif. Producing animated pictures. 2,599,624, June 10.

Gillette, Frank N., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Film to television translator. 2,584,265, Feb. 5.

Gillette Safety Razor Company, assignee: *See*—
Coons, Robert J., and Todaro.
Lind, Carl J.
Metzler, Charles L.
Muros, Joseph.
Testi, Nicholas.

Gilliam, Alpha S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Apparatus for contacting gaseous fluids with powdered solids. 2,608,474, Aug. 26.

Gilliam, Arley R., Kingsport, Tenn. Attachment for book sewing machines. 2,601,113, June 17.

Gilliam, James S., Jr.: *See*—
Nevins, Samuel L., and Gilliam.

Gillick, Laurance H., Evanston, T. J. Lehane, North Riverside, and N. O. Kirkby, Elmhurst, assignors to Vapor Heating Corporation, Chicago, Ill. Liquid circulating heating system. 2,604,269, July 22.

Gillies, John, Ardrossan, and J. Rowe, Irvine, Scotland, assignors to Imperial Chemical Industries Limited. Fumigating compositions. 2,590,529, Mar. 25.

Gillies, John, and W. T. Cunningham, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Thermally vaporizable pesticide. 2,606,858, Aug. 12.

Gillies, Leonard J., Sauk Centre, Minn. Snow-removal tractor attachment. 2,618,872, Nov. 25.

Gilliland, Edwin R.: *See*—
Lewis, Warren K., and Gilliland.
Morrell, Charles E., and Gilliland.

Gilliland, William H., assignor to Usco Power Equipment Corp., Birmingham, Ala. Electric rocker switch. 2,593,436, Apr. 22.

Gillis, George H., Fitchburg, Mass. Track shoe with cushioned heel-receiving pocket. 2,598,782, June 3.

Gillmeier, John A., Maplewood, N. J. Power actuated leg exercising device. 2,616,416, Nov. 4.

Gillon, John W., Hartsdale, N. Y., assignor to General Precision Laboratory Incorporated. Film processor drying control. 2,587,138, Feb. 26.

Gilman, George W.: *See*—
Gibbs, Thomas B., Dinerstein, and Gilman.

Gilman, George W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Exploration of troposphere stratification. 2,606,443, Aug. 12.

Gilman, Lawrence M., Gilman, Conn. Apparatus for forming enclosed blanket insulation strips. 2,599,625, June 10.

Gilman, Louis, Brighton, Mass. Fluorescent lighting fixture with light baffles. 2,591,251, Apr. 1.

Gilman, Wilbert M., Wellesley Hills, assignor to Lewis-Shepard Company, Watertown, Mass. Industrial lift truck. 2,581,791, Jan. 8.

Gilmartin, James A., Scranton, Pa. Eyeshade. 2,603,783, July 22.

Gilmer, James R., Garland, Tex. Electric translating system. 2,618,774, Nov. 18.

Gilmer, Marcel, Beziers, France. Railway track securing means. 2,620,137, Dec. 2.

Gilmer, Peter E., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and system for measuring impedance mismatch. 2,617,853, Nov. 11.

Gilmont, Roger, Brooklyn, assignor to The Emil Greiner Company, New York, N. Y. Microburet or pipet. 2,622,765, Dec. 28.

Gilmore, Abiel P. S., assignor of one-half to Raymond A. White, Acushnet, Mass. Power actuated trailer load feeder and spreader. 2,605,106, July 29.

Gilmore, Forrest E., Bartlesville, Okla., assignor, by mesne assignments, to Frigid Transport Company, Inc., New York, N. Y. Refrigerated transportation unit. 2,603,070, July 15.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for separating the constituents of hydrocarbon gases. 2,603,310, July 15.

Gilmore, Galen, Seattle, Wash. Trailer. 2,605,113, July 29.

Gilmore, Harry L., assignor to Aget Manufacturing Company, Adrian, Mich. Air cleaner. 2,620,066, Dec. 2.

Gilmore, John L., Kansas City, Mo. Stand and dolly for trailer tongues. 2,595,453, May 6.

Gilmore, Lloyd J., Spokane, Wash., assignor to Woolery Machine Company, Minneapolis, Minn. Tie cutter. 2,598,048, May 27.

Gilmore, William E., U. S. Army, Lyndhurst, N. J. Stabilizing mechanism for vehicles. 2,584,122, Feb. 5.

Gilmore, William J., United States Navy, Adrian, Mich. Coupling for shock absorber cords. 2,596,144, May 13.

Gilmore, William J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Fitting for wire rope and strands. 2,621,385, Dec. 16.

Gilpin, Alfred O., and H. E. Gilpin, New York, N. Y. Sleeve construction. 2,606,323, Aug. 12.

Gilpin, Hermine E.: *See*—
Gilpin, Alfred O., and H. E.

Gilron Products Company, assignee: *See*—
Whitbeck, Roland A.

Gilruth, Robert R., Buckroe Beach, Va. Automatic springy tab for aircraft control surface. 2,605,063, July 29.

Gilson, Pierre C. J., Campagnelez-Wardrecques, France. Reversible roller type clutch. 2,588,515, Mar. 11.

Gilson, Robert M., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Track circuit apparatus. 2,581,527, Jan. 8.

Gilson, Robert M., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Crossover protection apparatus. 2,588,822, Mar. 11.

Gilson, Robert M., Pittsburgh, and P. N. Martin, Penn Township, Allegheny County, Pa., assignors to Westinghouse Air Brake Company. Determining the resistance of insulated joints. 2,614,151, Oct. 14.

Gilson, Warren E., Madison, assignor to The Burdick Corporation, Milton, Wis. Portable hydrotherapy apparatus. 2,591,252, Apr. 1.

Gilson, Warren E., Madison, assignor to The Burdick Corporation, Milton, Wis. Muscle stimulator. 2,609,499, Sept. 2.

Gilstrap, Vernon M., and J. W. Falls, assignors to Dearborn Glass Company, Chicago, Ill. Producing television tube face. 2,622,016, Dec. 16.

Gilthorpe, Stanley C., New Orleans, La. Invoice printing machine. 2,608,156, Aug. 26.

Ginal, Stephen E., Jr., Cleveland, Ohio. Simulated handkerchief. 2,597,146, May 20.

Ginell, William S., Levittown, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Disposal of radioactive cations. 2,616,847, Nov. 4.

Ginsberg, Albert A.: *See*—
Caldwell, John B., Ginsberg, and Wolf.

Ginsburg, Nathan, Philadelphia, Pa. Colostomy apparatus. 2,595,934, May 6.

Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Hose guide. 2,589,544, Mar. 18.

Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubrication cabinet or the like. 2,620,940, Dec. 9.

Ginter, John R., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Aerating minnow bucket. 2,584,385, Feb. 5.

Ginzel, Heinz, Dornbirn, Vorarlberg, Austria. Transparentizing to obtain patterned cotton textiles employing resists of pigment containing aqueous oleaginous emulsions. 2,611,678, Sept. 23.

Ginzton, Edward L.: *See*—
Snow, Donald L., Ginzton, and Hamilton.

Ginzton, Edward L., Redwood, Calif., assignor to The Sperry Corporation. High-frequency modulator apparatus. 2,581,404, Jan. 8.

Ginzton, Edward L., Redwood, Calif., assignor to The Sperry Corporation. High-frequency tube structure. 2,608,670, Aug. 26.

Ginzton, Edward L., W. W. Hansen, and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. Automatic frequency control system. 2,586,497, Feb. 19.

Giolito, Etzio J.: *See*—
Engel, Edward W., Giolito, McGarry, Morris, and Weidner.

Giolito, Silvio L.: *See*—
Gilbert, Everett E., and Giolito.

Giordano, Anthony: *See*—
Bryant, William C., and Giordano.

Giordano, Francis L., Brooklyn, N. Y. Hair curler. 2,619,971, Dec. 2.

Giordano, Vincent C., Morgan Hill, Calif. Fruit pitter. 2,612,197, Sept. 30.

Giorgi, Adelmo, assignor of five-twelfths to B. Pasquesi, Highwood, and one-sixth to H. V. Dee, Great Lakes, Ill. Hair clipper and comb assembly. 2,617,188, Nov. 11.

Giorgi, Adelmo, assignor of five-twelfths to B. Pasquesi, Highwood, and one-sixth to H. V. Dee, Great Lakes, Ill. Comb for hair clippers. 2,618,060, Nov. 18.

Giossi, Louis J., Brooklyn, N. Y. Soap tray. 2,596,675, May 13.

Giovanella, Italo L.: *See*—
Dowdell, Sidney M., and Giovanella.

Giovannoni, Cash E., Boulder City, Nev. Ski attachment for wheeled vehicles. 2,598,682, June 3.

Giovannoni, Cash E., Boulder City, Nev. Monowheel vehicle harness. 2,613,953, Oct. 14.

Gipson, William C., Jacksboro, assignor of one-half to W. Senkel, Graham, Tex. Dump bailer. 2,612,223, Sept. 30.

Giraitis, Albert P., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Granulation of salt cake. 2,587,309, Feb. 26.

Girardin, Howard N., Grosse Pointe, Mich., assignor to G. H. Shephard, Lake Worth, Fla. Cutoff tool holder. 2,623,271, Dec. 30.

Giraud, Jules, assignor to Societe Novacel, Paris, France. Dispensing and applicator cap for containers. 2,622,258, Dec. 23.

Girdler Corporation, The, assignee: *See*—
Bailey, Alton E.
Christain, Donald C., and Reed.
Taylor, James D., and Haslam.
Warren, Henry R.

Girolami, Charles G., Chicago, Ill. Ceiling lighting fixture having an inverted conical reflector. 2,586,645, Feb. 19.

Girouard, Philias H.: *See*—
Chadwick, George A., and Girouard.

Giroz, Henri E., Paris, France. Apparatus for electric voltage and current regulation. 2,620,465, Dec. 2.

Girvin, Murray D.: *See*—
Peebles, David D., and Girvin.

Girz, Adolph, assignor to The Hill Acme Company, Acme Machinery Division, Cleveland, Ohio. Taper threading machine. 2,583,094, Jan. 22.

Gise, Frank G., York, assignor to The McKay Company, Pittsburgh, Pa. Chain fastener. 2,604,679, July 29.

Gisholt Machine Company, assignee: *See*—
Leifer, Lorenz A.
Phelps, Clyde H.
Premo, Lewis W.
Sundt, Vigo V. K.
Tyson, Levi D.

Gisin, Edward C., Hasbrouck Heights, N. J. Electric dynamo winding calculator. 2,601,948, July 1.

Gislon, André, assignor to Compagnie Francaise de Raffinage, (Societe Anonyme), Paris, France. Polyvinyl chloride plasticized with a chloroalkylchlorobenzene compound. 2,615,859, Oct. 28.

Gispen's Fabriek voor Metaalbewerking N. V., assignee: *See*—
Van Osselen, Willem.

Gissel, Adolf, Oberursel, and E. Reuter, Oberursel-Bommersheim, assignors to Torpedo Werke Aktiengesellschaft, Fahrräder und Schreibmaschinen, Frankfurt-Main-Rodelheim, Germany. Type bar releasing mechanism for typewriters. 2,612,252, Sept. 30.

Gissing, F. W., Pty. Limited, assignee: *See*—
Easton, John D.

Gissler, Frank E., Denville, and J. F. Laidig, Mine Hill Township, Morris County, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio telephone system. 2,607,887, Aug. 19.

Gist, Fred M., Monahans, Tex. Multisection pipe protector. 2,594,550, Apr. 29.

Gist, Fred M., Monahans, Tex. Centralizer and attaching. 2,594,551, Apr. 29.

Gitchel, Wayne B.: *See*—
Arvin, James A., and Gitchel.

Githens, Otto W., New York, N. Y., T. W. Smith, Houston, Tex., and D. C. Whitaker, deceased, by D. B. Whitaker, administratrix, Great Barrington, Mass. Gun perforator. 2,587,723, Mar. 4.

Githens, Thomas F., Cleveland Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Forming tool blanks. 2,590,766, Mar. 25.

Gits Bros. Mfg. Co., assignee: *See*—
Davis, Ernest W.

Gits, Joseph A., assignor of one-half to Jules P. Gits, Chicago, Ill. Angular head flashlight casing, including a readily attachable lamp contact means. 2,599,253, June 3.

Gits, Joseph A., assignor of one-half to J. P. Gits, Chicago, Ill. Nursing unit. 2,610,755, Sept. 16.

Gits, Joseph A. and J. P., assignors to Gits Molding Corporation, Chicago, Ill. Angular head flashlight casing, including a readily attachable reflector contact means. 2,599,254, June 3.

Gits, Jules P.: *See*—
Gits, Joseph A.
Gits, Joseph A. and J. P.

Gits Molding Corporation, assignee: *See*—
Gits, Joseph A. and J. P.

Gittings, William L., L. W. Christianson, and W. C. Johnson, assignors to Gold Medal Folding Furniture Company, Racine, Wis. Detachable flexible seat for folding chairs. 2,582,864, Jan. 15.

Gittus, Lillie R., administratrix, assignee: *See*—
Gittus, Virgil O.

Gittus, Virgil O., deceased, Brooklyn, N. Y.; L. R. Gittus, administratrix, to herself. Method and apparatus for measuring and varying the color quality of light. 2,598,783, June 3.

Gitzendanner, Louis G., and D. F. Langenwalter, Schenectady, N. Y., assignors to General Electric Company. Function recorder. 2,610,102, Sept. 9.

Giudice, Sante, Owosso, Mich. Smoke-operated electrical alarm device. 2,613,259, Oct. 7.

Giudicelli, Pierre R. L.: *See*—
Chabrier, Pierre, Giudicelli, and Génot.

Gluffrida, Philip, Lawrence, assignor to Photoswitch Incorporated, Cambridge, Mass. Movie projector safety device. 2,590,604, Mar. 25.

Givaudan Corporation, The, assignee: *See*—
Goodman, Louis S., and Nickerson.
Gump, William S., and Nikawitz.
Kuns, Eric C., and Fiore.
Naves, Yves-René.
Wood, Thomas F.

Given Machinery Company, assignee: *See*—
Jordan, Hans.

Given, Robert J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling mud additive. 2,620,300, Dec. 2.

Givenrod, Wilburn H., Belleville, Ill., assignor to Avco Mannfacturing Corporation, Cincinnati, Ohio. Fertilizer distributor. 2,602,669, July 8.

Givens, Albert W. and D. G., Marlboro, N. Y. Combination conduit box and cable connector. 2,590,004, Mar. 18.

Givens, Della G.: *See*—
Givens, Albert W. and D. G.

Glwosky, Harry L., assignor to The Coleman Company, Inc., Wichita, Kans. Liner support in hot-air furnace. 2,584,694, Feb. 5.

Glwosky, Harry L., assignor to The Coleman Company, Inc., Wichita, Kans. Floor furnace. 2,614,554, Oct. 21.

Glzzo, Albert P., Los Angeles, Calif. Telephone dial lock. 2,606,977, Aug. 12.

Gjesdahl, Donald J.: *See*—
Herzog, Harold A., and Gjesdahl.

Glaab, William M., Wellsville, Ohio. Pottery die. 2,583,262, Jan. 22.

Glaceries de St. Roch Societe Anonyme, assignee: *See*—
Knaff, Albert.

Glacier Metal Company Limited, The, assignee: *See*—
Stone, Vincent O.

Gladding, McBean & Co., assignee: *See*—
Carothers, Theodore E.

Gladfelter, Wiltie I., assignor to Pangborn Corporation, Hagerstown, Md. Work blasting equipment. 2,611,219, Sept. 23.

Gladfelter, Wiltie I., and R. B. Huyett, assignors to Pangborn Corporation, Hagerstown, Md. Plate blasting machine. 2,612,731, Oct. 7.

Gladstone, Sidney A., Paterson, N. J. Obtaining tumor tissue specimen. 2,591,927, Apr. 8.

Gladstone, Sidney A., Paterson, N. J. Surgical tissue collector device. 2,601,513, June 24.

Glaisher, Edward J.: *See*—
Richards, Claude L., and Glaisher.

Glans, Karl J., Stockholm, Sweden. Method and arrangement for carrying out the local surface treatment of articles conveyed on a traveling belt. 2,623,655, Dec. 30.

Glantz, Omar J., and E. T. Oborn, Denver, Colo., assignors to the United States of America as represented by the Secretary of the Interior. Mucic acid retarded Portland cement. 2,601,274, June 24.

Glantzlin, Ferdinand, Kew Gardens, N. Y. Wooden holder or skewer. 2,622,268, Dec. 23.

Glanzer, Clarence J., Northfield, assignor to Air-Maze Corporation, Cleveland, Ohio. Relief valve for air filters. 2,618,289, Nov. 18.

Glascote Products, Inc., assignee: *See*—
Brown, Carl S.

Glasener, Carl R., Cleveland, A. R. Willard, East Cleveland, and C. R. Weller, assignors to Willard Storage Battery Company, Cleveland, Ohio. Machine for welding battery plates. 2,616,015, Oct. 28.

Glaser, Donald M., Lafayette, La. Marine plow. 2,610,415, Sept. 16.

Glaser, Leo, and M. M. Hahn, New York, N. Y. Grip insulator. 2,619,072, Dec. 2.

Glaser, Rudolf F., Maumee, Ohio, assignor to Owens-Illinois Glass Company. Paper container with dispensing and filling openings for liquids. 2,593,019, Apr. 15.

Glaser-Steers Corporation, assignee: *See*—
Steers, William F.

Glaser, William F., Eastchester, and S. A. Hornung, assignors to Otis Elevator Company, New York, N. Y. Elevator dispatching and control system. 2,589,242, Mar. 18.

Glaser, William F., Eastchester, and S. A. Hornung, assignors to Otis Elevator Company, New York, N. Y. Elevator system. 2,619,197, Nov. 25.

Glasgow, Charles S., Jr.: *See*—
Burton, Edward F., and Glasgow.

Glasgow, Clarence O.: *See*—
Walker, Jay P., and Glasgow.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Horizontal separator. 2,586,221, Feb. 19.

Glasgow, Clearance O., assignor to National Tank Company, Tulsa, Okla. Emulsion treating methods and means. 2,598,988, June 3.

Glasgow, Daniel and H., New York, N. Y. Artificial flower and cluster and making same. 2,614,036, Oct. 14.

Glasgow, Forrest F.: *See*—
Cockrell, Sanford C., and Glasgow.

Glasgow, Frank T., Lexington, Va. Rowing machine. 2,586,024, Feb. 19.

Glasgow, Horace: *See*—
Glasgow, Daniel and H.

Glasoe, Alf M.: *See*—
Nadeau, Gale F., and Glasoe.

Glass, Antonina S., assignee: *See*—
Glass, George B., Bandrowski, and Roehr.

Glass, Bernard R.: *See*—
Horvat, William Z., and Glass.

Glass Containers, Inc., assignee: *See*—
Rosener, Leland S.

Glass, Dudley B.: *See*—
Weissberger, Arnold, Glass, and Vittum.

Glass, George B., J. I. Bandrowski and Z. M. Roehr, assignors to A. S. Glass, New York, N. Y. Automatic medical injection apparatus. 2,602,446, July 8.

Glass, Marvin I., and J. W. Ehemann, assignors to H. Fishlove & Co., Chicago, Ill. Novelty writing instrument. 2,604,877, July 29.

Glass, Paul: *See*—
Ziebols, Herbert, and Glass.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Variable transformer control. 2,615,936, Oct. 28.

Glassbrook, Clarence I.: *See*—
Schlesman, Carleton H., and Glassbrook.

Glassburn, William E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bridge-connected relay. 2,605,325, July 29.

Glassburn, William E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overcurrent relay with inverse time characteristic. 2,619,522, Nov. 25.

Glassen, Charles E., Elmore, Ohio, assignor to W. E. Dunn Mfg. Company, Holland, Mich. Apparatus for feeding concrete into molds. 2,593,665, Apr. 22.

Glasser, Charles J., Chicago, Ill. Cardiogram interpreter. 2,605,961, Aug. 5.

Glasser, Julian: *See*—
Hampel, Clifford A., and Glasser.

Glasser, Julian, La Grange, and C. A. Hampel, Homewood, Ill., assignors, by mesne assignments, to Kennecott Copper Corporation, New York, N. Y. Production of titanium. 2,618,549, Nov. 18.

Glasser, Leo G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Differential refractometer. 2,612,814, Oct. 7.

Glassey, Courtney Q., assignor to Eastman Kodak Company, Rochester, N. Y. Flashing lamp for halftone cameras. 2,621,569, Dec. 16.

Glassford, Fred, Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Sealing structure. 2,609,893, Sept. 9.

Glassheat, Inc., assignee: *See*—
La Mirand, Walter.

Glassie, Donelson C.: *See*—
Buhr, Claire E., and Glassie.

Glassman, Jacob, Chicago, Ill. Rubber foam cushion. 2,588,823, Mar. 11.

Glassman, Jacob A.: *See*—
McNealy, Raymond W., and Glassman.

Glassmire, William M., and W. R. Smith, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Inhibiting corrosion of aluminum chloride-hydrocarbon complex liquid in presence of HCl promoter with iodine compounds. 2,586,323, Feb. 19.

Glasstone, Samuel, Boston, Mass., assignor to Zenith Radio Corporation. Primary cells. 2,619,437, Nov. 25.

Glatstein, Byrdie, assignee: *See*—
Mast, Gifford M., Gannett, and Shuh.

Glaubert, Siegfried, Neuilly-sur-Seine, France. Dry process for agglomerating wood particles. 2,587,992, Mar. 4.

Glawe, Adolph A., Green Bay, Wis. Water heater. 2,608,957, Sept. 2.

Glaxo Laboratories Limited, assignee: *See*—
Borrows, Edward T.
Borrows, Edward T., and Clayton.
Chapman, John H.
Evans, Ronald M.
Evans, Ronald M., and Jones.
Heilbron, Ian M., Weedon, and Jones.
Heilbron, Ian M., Weedon, Jones, Hems, and Jansen.

Glaza, Thaddeus J., assignor to Crane Co., Chicago, Ill. Conduit indexing and coupling device. 2,581,853, Jan. 8.

Glazer, Allan, Summit, N. R. Stryker, East Orange, and H. F. Hopkins, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 2,581,251, Jan. 1.

Glazer, Guilford: *See*—
Jones, Harry W., and Glazer.

Gleasman, Vernon E., Elmira, N. Y. Folding clothes drier. 2,597,788, May 20.

Gleason, Anthony H.: *See*—
Arundale, Erving, Gleason, and Banes.
Kittleson, Allen R., and Gleason.
Vanderbilt, Byron M., and Gleason.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Polymerization of conjugated diolefins. 2,582,693, Jan. 15.

Gleason, Anthony H., Westfield, and S. E. Jaros, Rahway, N. J., assignors to Standard Oil Development Company. Preparation of drying oils. 2,581,094, Jan. 1.

Gleason, Douglas T., Lexington, assignor to J. L. Gleason & Co., Inc., Cambridge, Mass. Automatic take-up reel. 2,605,977, Aug. 5.

Gleason, Elden C., Hartford, Wash., assignor to Gleep Mfg. Co., Inc. Motor-driven invalid's chair. 2,592,023, Apr. 8.

Gleason, J. L., & Co., Inc., assignee: *See*—
Gleason, Douglas T.

Gleason, Joseph P.: *See*—
Simon, Harry, and Gleason.

Gleason, Thomas C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Air intake for aircraft turbo-propeller power plant. 2,605,851, Aug. 5.

Gleason, Thomas C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Air flue in refrigerating apparatus. 2,609,671, Sept. 9.

Gleason, William W., assignor to Nachman Corporation, Chicago, Ill. Spring assembly for upholstery. 2,595,840, May 6.

Gleason Works, assignee: *See*—
Bauer, Oliver F.
Carlsen, Leonard O.
Carlsen, Leonard O., and Fowler.
Clarcq, Richard J., Jr., and Ernst.
Hartman, Herbert G.
Male, Herman A.
Wildhaber, Ernest.
Wildhaber, Ernest, and Carlsen.
Wilhaber, Ernest.

Gleason Works, The, assignee: *See*—
Johnson, Olaf A.

Gleaves, Lawrence S., New York, assignor to The C. E. Sheppard Company, Long Island City, N. Y. Multi-record accounting instrument. 2,597,579, May 20.

Gleekman, John I., Trenton, N. J. Motor support. 2,583,695, Jan. 29.

Gleep Mfg. Co., Inc., assignee: *See*—
Gleason, Elden C.

Gleeson, Murray A., assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer swivel joint. 2,604,201, July 22.

Glegg, Gordon L., Kingston Hill, assignor of one-half to The Square Grip Reinforcement Company (London) Limited, London, England. Method and apparatus for determining water content of concrete in the fluid state. 2,581,950, Jan. 8.

Glegg, Gordon L., Kingston Hill, assignor of one-half to The Square Grip Reinforcement Company (London) Limited, London, England. Method of and apparatus for determining consolidation of fluid concrete masses. 2,606,748, Aug. 12.

Gleim, William K. T.: *See*—
Chenicek, Joseph A., and Gleim.

Gleim, William K. T., Orland Park, assignor to Universal Oil Products Company, Chicago, Ill. Production of aryl-oxyalkyl halides. 2,598,049, May 27.

Gleim, William K. T., Orland Park, A. Gaydasch, Brookfield, and R. H. Rosenwald, Western Springs, assignors to Universal Oil Products Company, Chicago, Ill. Production of tetraalkylstilbene quinones and tetraalkoxystilbene quinones. 2,593,746, Apr. 22.

Gleitsman's, Inc., assignee: *See*—
Fuerst, Carl.

Gleitz, Herbert, Euclid, C. E. Miller, East Cleveland, and J. D. Gleitz, Euclid, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Textile mill spindle. 2,582,325, Jan. 15.

Gleitz, Jerome D.: *See*—
Gleitz, Herbert, Miller, and Gleitz.

Glen, Lauchlan McK., Durban, Natal, Union of South Africa. Spherical plug with renewable ring seat. 2,606,738, Aug. 12.

Glen, William L.: *See*—
Grant, Gordon A., and Glen.

Glenbard Tool Mfrs., assignee: *See*—
McDonald, John H., and Novak.

Glenbrooke Manufacturing Company of Connecticut, Incorporated, assignee: *See*—
Meline, Irving.

Glenfield & Kennedy Limited, assignee: *See*—
Boucher, Percival L., and Rowntree.

Glenn, Benjamin E., Jr.: *See*—
Travilla, James C., Jr., and Glenn.

Glenn, Charles W., assignee: *See*—
Wagner, Willard F.

Glenn Confections, Inc., assignee: *See*—
Williams, Paul A.

Glenn, Edmund J.: *See*—
Cutlan, Roland S., and Glenn.

Glenn, Howard J., Waukegan, and B. W. Horrom, Winthrop Harbor, assignors to Abbott Laboratories, North Chicago, Ill. 2-aminomethyl-tetrahydroacenaphthones-1 and their preparation. 2,589,934, Mar. 18.

Glenn Hydraulic Manufacturing Company, The, assignee: *See*—
Glenn, Kenneth B.

Glenn, John E.: *See*—
Crandall, Ronald E., and Glenn.

Glenn, Kenneth B., assignor to The Glenn Hydraulic Manufacturing Company, New Brighton, Pa. Hydraulic transmission with axially shiftable speed varying control means between pump and motor rotors. 2,606,422, Aug. 12.

Glenn, Peter F., Philadelphia, Pa. Film rewinding apparatus. 2,590,005, Mar. 18.

Glenn, William E., Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass analyzing apparatus. 2,615,135, Oct. 21.

Glenny, Arthur P., Hansworth, England, assignor to The Sperry Corporation. Automatic pilot for aircraft. 2,602,611, July 8.

Glenny, Arthur P., Hanworth, England, assignor to The Sperry Corporation. Automatic pilot for aircraft. 2,604,074, July 22.

Glenny, Clarence S.: *See*—
Dennis, E. Lucian, and Glenny.

Glicco, James D., assignee: *See*—
Lavender, James L.

Glick, Alvin G., assignor to Akona Chemical Corporation, Anoka, Minn. Concrete surface sealer. 2,611,713, Sept. 23.

Glick, Harvey L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sensitivity regulator for photomultiplier tubes. 2,583,143, Jan. 22.

Glick, Leslie P., and F. E. Norman, assignors of twenty-five per cent to A. Nu Delman, seven per cent to E. Nu Delman, eight and one-half per cent to R. N. Gold, six and one-half per cent to G. O'K. Evans, Los Angeles, and three per cent to H. N. Elbaum, North Hollywood, Calif. Hand notching tool. 2,595,841, May 6.

Glick, Maurice, Brooklyn, and N. Nicholas, Binghampton, N. Y. Rest structure with adjustable back. 2,595,240, May 6.

Glickman, Mannes N., Nutley, N. J. Electric switch. 2,597,080, May 20.

Glickman, Samuel A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Triphenylmethane dyes. 2,598,660, June 3.

Glickman, Samuel A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Photographic film with antihalation layer. 2,606,833, Aug. 12.

Glickman, Samuel A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of polyether alcohols. 2,618,663, Nov. 18.

Glidden Company, The, assignee: *See*—
Davis, Wilmer O., Roseman, Allan, and Neptune.
Drapeau, Joseph E., Jr., Smith, and Halsted.
Gilchrist, Allan E., and Koenig.
Julian, Percy L., Circle, and MacDonald.
Julian, Percy L., and Meyer.
Julian, Percy L., Meyer, and Printy.
Julian, Percy L., Meyer, Schroeder, and Magnani.
Klinker, Louis G.
O'Brien, James J.
Riegel, Byron.
Roseman, Reuben, Neptune, and Allan.
Rummery, Frank O.
Schulte, Edward, and Herzog.

Glidden, Galen M., Wheaton, Ill. Gas mask. 2,588,516, Mar. 11.

Glinn, Roy J., and P. G. Handoll, London, England, assignors to Diamond Power Specialty Corporation. Multiple valve fluid control apparatus. 2,605,107, July 29.

Glinski, George, Belleville, Ontario, assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Signaling system. 2,620,383, Dec. 2.

Gliss, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding and straining compounds. 2,593,136, Apr. 15.

Glitsch Engineering Company, assignee: *See*—
Glitsch, Hans C.

Glitsch, Hans C., assignor, by mesne assignments, to Glitsch Engineering Company, Dallas, Tex. Tray for use in refining towers. 2,582,826, Jan. 15.

Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Refining vessel. 2,611,457, Sept. 23.

Glitsch, Hans C., assignor to Glitsch Engineering Company, Dallas, Tex. Tray for use in refining towers. 2,611,596, Sept. 23.

Globe American Corporation, assignee: *See*—
Sherman, Alvin G.
Tolley, Donald B.

Globe Automatic Sprinkler Company, assignee: *See*—
Rowley, Arthur C.

Globe Company, The, assignee: *See*—
Bilek, Frank J.

Globe Hoist Company, assignee: *See*—
Estel, George A., Jr.
Smith, Harry D.
Thompson, Elmer B.
Walker, Willard T.

Globe Industries, Inc., assignee: *See*—
Stein, Robert A., and Wasserman.

Globe Roofing Products Co., Inc., assignee: *See*—
Roberts, John.

Globe Slicing Machine Co., Inc., assignee: *See*—
Zimmermann, Carl T.

Globe-Union Inc., assignee: *See*—
Kling, Arnold G., and Goerg.
Kling, Arnold G., and Wolff.
Marks, Bert H.

Globe-Wernicke Co., The, assignee: *See*—
Conley, Frank, and Budal.

Gloor, Walter E., assignor to Hercules Powder Company, Wilmington, Del. Well drilling composition. 2,618,595, Nov. 18.

Glosier, Paul J., Maplewood, Mo. Electric outlet box. 2,596,236, May 13.

Gloss, Gunter H., Redwood City, Calif., assignor to Merck & Co., Inc., Rahway, N. J. Manufacture of magnesium carbonate. 2,583,331, Jan. 22.

Gloss, Richard G., Cranston, R. I. Ear clip. 2,618,831, Nov. 25.

Glover, Abram, Rifle, Colo. Roller removing tool. 2,587,139, Feb. 26.

Glover, Clarence B., Springfield, assignor to United Engineers & Constructors, Inc., Philadelphia, Pa. Producing low nitrogen content gas. 2,606,827, Aug. 12.

Glover, John A.: *See*—
Piros, John J., and Glover.

Glover, John A., Munster, Ind., and M. F. L. Johnson, Chicago, assignors, by mesne assignments, to Sinclair Research Laboratories Inc., Harvey, Ill. Pump. 2,583,421, Jan. 22.

Glover, Olaf E., Milford, Ill. Flywheel housing. 2,593,020, Apr. 15.

Glover, Robert C., Tulsa, Okla., assignor to Baker Oil Tools, Inc., Vernon, Calif. Apparatus for commingling multiple zone well production. 2,618,339, Nov. 18.

Glovinsky, Harry, Utica, N. Y. Magnetic can opener. 2,592,272, Apr. 8.

Glubiak, Casper, assignor of fifteen per cent to P. Fries, Jr., New York, N. Y. Self-ejecting key. 2,587,037, Feb. 26.

Gluck, Sidney J., Brooklyn, N. Y. Woven elastic fabric. 2,597,580, May 20.

Gluckin, Gerald W., New York, N. Y. Wired brassière. 2,586,529, Feb. 19.

Gluesenkamp, Earl W.: *See*—
Craig, Alfred B., and Gluesenkamp.
Koumin, Milton, and Gluesenkamp.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent composition. 2,594,421, Apr. 29.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Porous composition utilizing N-carboxylic acid anhydrides of amino carboxylic acids. 2,610,157, Sept. 9.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticised polymers. 2,617,778, Nov. 11.

Gluesenkamp, Earl W., Centerville, and J. Dazzi, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Compositions of vinyl chloride resins and aromatic esters of sulfonated alkanes. 2,610,164, Sept. 9.

Gluesenkamp, Earl W., Centerville, and J. Dazzi, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Compositions of vinyl chloride resins and aromatic esters of sulfonated alkanes. 2,610,165, Sept. 9.

Gluesenkamp, Earl W., Centerville, and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of diesters of aliphatic oxophosphonic acids. 2,612,513, Sept. 30.

Gluhareff, Michael E., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Metal rotor blade having flexible trailing edge. 2,620,884, Dec. 9.

Glunt, John L., and C. T. Brown, Roaring Spring, Pa. Eyeglass holder. 2,623,722, Dec. 30.

Glusko, Joseph, Johnstown, Pa. Electrically controlled lock for automobile doors. 2,594,151, Apr. 22.

Gluv-Gard Mfg. Co., Inc., assignee: *See*—
Bloom, Gertrude, and Bloom.

Gluyas, Thomas M., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Radio frequency transmission line circuits. 2,606,964, Aug. 12.

Glycerine Corporation of America, Inc., The, assignee: *See*—
Brooks, Benjamin T.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tread centering mechanism for tire molds. 2,593,137, Apr. 15.

Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Apparatus for tempering curved glass sheets. 2,608,029, Aug. 26.

Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Electric heating element and producing the same. 2,622,178, Dec. 16.

Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Electric resistance heater. 2,623,971, Dec. 30.

Gmeiner, Harry H., executor: *See*—
Minor, Charles G.

Gnauck, Felix G.: *See*—
Maynard, Philip A., O'Reilly, and Gnauck.

Goad, Dow, Flippin, Ky. Flashlight assembly having combined support and visor means. 2,614,206, Oct. 14.

Goad, Percy J., Richmond Beach, Wash. Fishing leader holder. 2,596,896, May 13.

Goats, Elbert: *See*—
Nicholson, Eugene W., and Goats.

Gobatti, John: *See*—
Miller, Boyd R., and Gobatti.

Göbel, Ernst, Rio de Janeiro, Brazil. Production of blue iron cyan compounds insoluble in water. 2,622,037, Dec. 16.

Gober, Alvin C., Wichita Falls, Tex. Valve sleeve tool. 2,619,717, Dec. 2.

Gobin, Jean, dit Daudé, Neuilly-sur-Seine, France. Fixing hollow rivets and the like. 2,597,984, May 27.

Gobin-Daudé, Jean E. F.: *See*—
Gobin dit Daudé, Jean E. F.

Gobin dit Daudé, Jean E. F., Neuilly-sur-Seine, France, now by change of name J. E. F. Gobin-Daudé, vested in the Attorney General of the United States. Snap fastener socket. 2,620,536, Dec. 9.

Gobin dit Daudé, Jean E. F., Neuilly-sur-Seine, France, now by change of name J. E. F. Gobin-Daudé. Resilient fastener formed of folded metallic strips. 2,620,537, Dec. 9.

Goble, James W., Burbank, Calif. Bee feeder. 2,611,140, Sept. 23.

Goble, Merritt T., Muskogee, Okla. Nut-cracking implement. 2,588,979, Mar. 11.

Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver Colo. Method and apparatus for measuring the cross sectional area of well bores by supersonic waves. 2,595,241, May 6.

Goble, Ralph W., Denver, Colo., and G. Jackson, Long Beach, Calif., assignors to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Audio caliper device. 2,596,023, May 6.

Goble, Ralph W., Long Beach, Calif., and G. Jackson, assignors to Eastman Oil Well Survey Company, Denver, Colo. Audio caliper device. 2,596,024, May 6.

Goble, William E., Fowler, Calif., assignor, by mesne assignments, to The Massey-Harris Company, Racine, Wis. Tractor lift disk harrow. 2,583,830, Jan. 29.

Gochenour, Alice M.: *See*—
Gochenour, Raymond B. and A. M.

Gochenour, Raymond B. and A. M., Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. Process and apparatus for the irradiation of liquids. 2,588,716, Mar. 11.

Goddard, Edwin G., Lombard, Ill. Tube holder and lighting system. 2,620,372, Dec. 2.

Goddard, Emmons A., Birmingham, assignor to Goddard & Goddard Company, Detroit, Mich. Cutter and forming the same. 2,614,441, Oct. 21.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard and Goddard Company, assignee: *See*—
Sloderbeck, William J., and Fritz.

Goddard & Goddard Company, assignee: *See*—
Goddard, Emmons A.

Goddard, Hubert A., Knoxville, Tenn. Artificial denture. 2,617,192, Nov. 11.

Goddard, Leslie J.: *See*—
Clarke, John S., and Goddard.

Goddard, Robert H., deceased, by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cylindrical rotating valve mechanism for multiple resonance chambers. 2,580,908, Jan. 1.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber jacket with alternate cooling passages of fuel and oxidizer. 2,591,421, Apr. 1.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid fuel and oxidizer jacketed combustion chamber with axial conical fuel spreader. 2,591,422, Apr. 1.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Resonance combustion apparatus. 2,594,765, Apr. 29.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Apparatus for steering aircraft. 2,594,766, Apr. 29.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid fuel feeding means for resonance combustion chambers. 2,599,103, June 3.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Valve mechanism for rotating feeding head for combustion chambers. 2,599,104, June 3.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotational fuel feed for combustion chambers. 2,602,290, July 8.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Igniter port valve mechanism for combustion chambers. 2,602,293, July 8.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Jet reaction propulsion apparatus for aircraft. 2,602,610, July 8.

Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Mixing target for combustion chambers having means to retard radial outward movement. 2,606,421, Aug. 12.

Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix, Paxton, Mass, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Target type combustion chamber having a closed end portion receiving conical fuel and oxidizer sprays. 2,609,658, Sept. 9.

Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Admission valve mechanism for resonance combustion chambers. 2,610,064, Sept. 9.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Nozzle structure for effecting striated flow of combustion gases. 2,612,746, Oct. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotatable combustion chamber. 2,612,750, Oct. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Feeding apparatus, including injectors adapted to supply combustion liquids under pressure to a combustion chamber. 2,612,752, Oct. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Pressure regulating and shaft positioning mechanism for turbine driven pumps. 2,616,373, Nov. 4.

Godden, Thomas E.: *See*—
Morris, Edward H., Danvers, and Godden.

Goder, Richard, Chicago, Ill. Incinerator for medical waste. 2,616,379, Nov. 4.

Goderez, Carl, Brooklyn, assignor to Cambridge Manufacturing Corporation, New York, N. Y. Door check and closer. 2,596,676, May 13.

Godfrey, Bert O., Brooklyn, N. Y. Marine propeller. 2,608,257, Aug. 26.

Godfrey, Homer C., Chicago, Ill. Jet reaction engine of the turbine type. 2,586,025, Feb. 19.

Godfrey, James H., Berlin, assignor to The Stanley Works, New Britain, Conn. Saw blade holding means. 2,586,530, Feb. 19.

Godfrey, James H., Berlin, and H. C. Peck, assignors to The Stanley Works, New Britain, Conn. Cutting tool. 2,623,283, Dec. 30.

Godfrey, John W.: *See*—
Rogers, Philip S., Emmons, Godfrey, and Kelso.

Godfrey, Melvin C., Los Angeles, assignor, by mesne assignments, to Narmco, Inc., San Diego, Calif. Fishing reel lock. 2,593,747, Apr. 22.

Godfrey, William H., Detroit, Mich. Vehicle spring. 2,614,832, Oct. 21.

Godley, Philip, 2nd, Lexington, assignor to National Research Corporation, Cambridge, Mass. Deposition of metal on a nonmetallic support. 2,622,041, Dec. 16.

Godmaire, Aimé, Montreal, Quebec, Canada. Wrench socket. 2,581,095, Jan. 1.

Godman, H. C., Company, The, assignee: *See*—
Deering, Forrest F.

Godsey, Frank W., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series lamp cutout. 2,590,605, Mar. 25.

Godshalk, James B.: *See*—
Medlar, Lewis A., and Godshalk.

Godshalk, James B., Philadelphia, and L. A. Medlar, Oreland, assignors, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa. Method and apparatus for charging batteries. 2,585,005, Feb. 12.

Godshall, Nicholas G., and R. L. Marks, assignors to W. W. Moyer Company, Ephrata, Pa. Sewing machine table motor mount. 2,609,262, Sept. 2.

Godwin, Frank E., Memphis, Tenn. Cotton harvester. 2,616,235, Nov. 4.

Godwin, Gerald D., assignee: *See*—
McMiller, Urban C.

Goebel, Johannes, and P. Bakker, Amsterdam, and J. G. Hoogland, Hengelo, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Preparation of homogeneous mixture of asphalt and polystyrene. 2,599,986, June 10.

Goebel, Joseph P., assignee: *See*—
Goebel, Leo E.

Goebel, Leo E., assignor of one-half to J. P. Goebel, Detroit, Mich. Air-brush holder. 2,591,349, Apr. 1.

Goebel, Max T., Landenburg, Pa., and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Quaternary ammonium salts of high molecular weight polymetaphosphoric acid. 2,592,273, Apr. 8.

Goebel, Max T., Landenburg, Pa., and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Werner-type metal compounds as laminating and coating compositions. 2,597,721, May 20.

Goedecker, Jacob, Mainz-Gonsenheim, and W. Meske, Mainz, assignors to J. Berg, Kommandit-Gesellschaft, Budenheim-on-the-Rhein, Germany. Variable pitch helicopter rotor. 2,620,592, Dec. 9.

Goedeke, Ann, administratrix: *See*—
Goedeke, William J., and Hartman.

Goedeke, William J., deceased, Trenton, N. J., by A. Goedeke, administratrix, Trenton, N. J., and W. L. Hartman, Miami, Fla. Push-button control for the operation of automobiles. 2,610,518, Sept. 16.

Goedhart, Edward G., Minneapolis, Minn. Device for expanding lens openings. 2,618,184, Nov. 18.

Goedicke, Herbert P.: *See*—
Biggert, Don R., and Goedicke.

Goehner, William R., Harding Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reflecting surface bonded to a film. 2,595,670, May 6.

Goehring, Otto C., Rego Park, N. Y. Inlet tube for storage tanks and the like. 2,602,465, July 8.

Goepfrich, George A.: *See*—
Clay, Robert B., and Goepfrich.

Goepfrich, George A., Stamford, assignor to The Skinner Chuck Company, Norwalk, Conn. Solenoid actuated valve. 2,614,584, Oct. 21.

Goepfrich, George A., Norwalk, assignor to The Skinner Chuck Company, New Britain, Conn. Readily dismemberable valve assembly for sanitary dispensation of fluid. 2,619,986, Dec. 2.

Goerdits, Hans, New City, N. Y. Multiple faced doll. 2,584,798, Feb. 5.

Goerg, Charles R.: *See*—
Kling, Arnold G., and Goerg.

Goergen, John, Milwaukee, Wis. Collet chuck for fishing pole handles. 2,583,831, Jan. 29.

Goering, Charles, New York, N. Y. Weightless sliding and swinging sash construction. 2,589,799, Mar. 18.

Goering, Hans G.: *See*—
Schneider, Helmuth G., Young, and Goering.

Goerlits, Henry, New York, N. Y., assignor to Eberhard Faber Pencil Company. Rod feeding machine with rod receiving grooved member movable to actuate rod feeding means. 2,613,861, Oct. 14.

Goertz, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Signal mixing circuits. 2,614,237, Oct. 14.

Goertz, Willard J.: *See*—
McArthur, Donald F., and Goertz.

Goerz, Arthur A., Los Angeles, Calif. Machine for making mechanical drawings. 2,595,842, May 6.

Goessel, Elmer: *See*—
Wood, Joseph D., Caswell, and Goessel.

Goessel, Elmer, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. High voltage circuit breaker. 2,611,838, Sept. 23.

Goettl, Adam D., Phoenix, Ariz. Fan motor mount on ventilating panel. 2,615,620, Oct. 28.

Goetz, Carlos C., New York, N. Y. Dispensing container having an absorbing layer for dispensing by capillary action. 2,610,769, Sept. 16.

Goetz, Carlos C., New York, N. Y. Platen for typewriters. 2,618,372, Nov. 18.

Goetz, Harry F., Detroit, Mich., assignor, by mesne assignments, to J. M. Teahen, Brighton, Mich. Flushing tank for water closets. 2,597,239, May 20.

Goetz, Henry G., Short Hills, and H. F. Ruschmann, Bernardsville, N. J. Definite position release type clutch. 2,600,636, June 17.

Goetzel, Claus G.: *See*—
Ellis, John L., and Goetzel.

Goetzel, Claus G., Yonkers, assignor to Sintercast Corporation of America, New York, N. Y. Coated composite refractory body. 2,612,442, Sept. 30.

Goetzel, Claus G., Yonkers, and J. L. Ellis, assignors to Sintercast Corporation of America, New York, N. Y. Powder metallurgy articles. 2,581,252, Jan. 1.

Goetzel, Claus G., Yonkers, and J. L. Ellis, assignors to Sintercast Corporation of America, New York, N. Y. Power metallurgy. 2,612,443, Sept. 30.

Goff, C. David, assignee: *See*—
Biehl, Charles B.

Goff, David D., assignee: *See*—
Biehl, Charles B.

Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reperforating apparatus. 2,581,184, Jan. 1.

Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Perforating recorder signaling device. 2,609,433, Sept. 2.

Goff, Howard B., and W. E. Lobo, Westfield, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of gaseous mixtures. 2,617,275, Nov. 11.

Goff, James W.: *See*—
Hill, Frank M., and Goff.

Goff, John W., St. Paul, Minn. Chuck wrench ejector. 2,598,119, May 27.

Goff, John W., St. Paul, Minn. Apparatus for injection of liquid medicine into drinking water in a conduit. 2,610,643, Sept. 16.

Goff, John W., assignor to Miller Manufacturing Company, Incorporated, St. Paul, Minn. Electrical heating device for poultry watering bowls. 2,613,311, Oct. 7.

Goff, Leon E., Jr., Drexel Hill, Pa., assignor to General Electric Company. Automatic circuit breaker reclosing system and apparatus. 2,582,027, Jan. 8.

Goff, Loyal G., assignee: *See*—
Phillips, Norman E.

Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Cam mechanism. 2,594,911, Apr. 29.

Goffredo, Lillian M., New York, N. Y. Drop foot brace. 2,584,010, Jan. 29.

Goggio, Ernest C.: *See*—
Ralston, George, and Goggio.

Gogolick, Roland M., Cambridge, and R. L. Brown, Arlington, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Waterproof microphone. 2,605,346, July 29.

Gohl, Fred H., assignor to Chicago Blower Corporation, Chicago, Ill. Power-operated ventilator. 2,582,902, Jan. 15.

Gohde, Irving W., Chicago, Ill. Fishing reel brake. 2,593,872, Apr. 22.

Gohorel, Fernand P., and G. J. M. Penet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Marker-controlled selector system. 2,581,405, Jan. 8.

Gohr, Edwin J., Summit, N. J., assignor to Standard Oil Development Company. Gasifying fuels. 2,588,076, Mar. 4.

Goins, Edward K., and N. T. Marcotte, Pocatello, Idaho. Cess tank for vehicle toilets. 2,604,635, July 29.

Goins, Robert R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater chamber design. 2,582,116, Jan. 8.

Golay, Charles R., Cambridge City, Ind. Truck tipping mechanism with initial lift lever. 2,603,518, July 15.

Golay, Marcel J. E., Long Branch, N. J. Corrected delay line. 2,598,683, June 3.

Gold, Abraham: *See*—
Bogin, Herman, and A. and H. Gold.

Gold Bros., Inc., assignee: *See*—
Bogin, Herman, Gold and H.

Gold, Carroll, Philadelphia, Pa. Garment hanger. 2,604,241, July 22.

Gold, David A., assignee: *See*—
Kadesky, David.

Gold, Harold, and D. M. Straight, Cleveland, Ohio. Spray device. 2,605,142, July 29.

Gold, Harold, East Cleveland, N. Matz, Cleveland, and D. M. Straight, Lakewood, Ohio. Speed-density type of fuel-metering control. 2,623,509, Dec. 30.

Gold, Herman: *See*—
Bogin, Herman, and A. and H. Gold.

Gold, Robert N., assignee: *See*—
Glick, Leslie F., and Norman.

Gold, Solomon, Wimbledon, London, England. Electrically maintained pendulum motors, particularly for clocks. 2,600,754, June 17.

Goldan, Theodore J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio navigation system. 2,608,684, Aug. 26.

Goldberg, Ben, assignee: *See*—
Marsh, Ernest J.

Goldberg, Benjamin D., Brooklyn, N. Y. Slidable container with automatic cover. 2,597,722, May 20.

Goldberg, David, assignor to Schreiber & Goldberg, New York, N. Y. Fabric edge-folding and pressing machine. 2,609,129, Sept. 2.

Goldberg, Edwin A.: *See*—
Serrell, Robert, and Goldberg.

Goldberg, Edwin A., Princeton Junction, N. J., assignor to Radio Corporation of America. Electronic switching device. 2,619,594, Nov. 25.

Goldberg, Ernest W., Chicago, Ill. Slide holder. 2,599,382, June 3.

Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Clamping circuits. 2,583,832, Jan. 29.

Goldberg, Harry: *See*—
Boyce, Eugene L., and Goldberg.

Goldberg, Harry A., assignor to Standard Refrigeration Company, Chicago, Ill. Evaporator for household refrigerators. 2,589,490, Mar. 18.

Goldberg, Harry, Brooklyn, N. Y. Surgical suture. 2,591,063, Apr. 1.

Goldberg, Harry, and M. D. Burrows, assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Air cleaner for internal-combustion engines. 2,610,701, Sept. 16.

Goldberg, Harry A., assignor to Standard Refrigeration Company, Inc., Chicago, Ill. Refrigerant plate. 2,602,649, July 8.

Goldberg, Jacob M., Denver, Colo. Fishing reel. 2,587,462, Feb. 26.

Goldberg, Jacob M., Denver, Colo. Fishing reel. 2,593,748, Apr. 22.

Goldberg, Jacob M., Denver, Colo. Fishing reel. 2,593,749, Apr. 22.

Goldberg, Julius S.: *See*—
Marcus, Arthur A., and Goldberg.

Goldberg, Max, assignee: *See*—
Goldberg, Robert J.

Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,584,864, Feb. 5.

Goldberg, Morris, Pittsburgh, Pa. Toggle switch operating device. 2,582,379, Jan. 15.

Goldberg, Moses W., Upper Montclair, N. J. and H. H. Lehr, New York, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J. Derivatives of 4-imidazolone. 2,602,086, July 1.

Goldberg, Moses W., Upper Montclair, and H. H. Lehr, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Imidazolones and producing the same. 2,602,799, July 8.

Goldberg, Robert J., assignor of fifty per cent to M. Goldberg, New York, N. Y. Centrifugal separating apparatus. 2,593,294, Apr. 15.

Goldblatt, Leo A., New Orleans, La.; N. C. McConnell, Olustee, and H. B. Summers, Jr., Lake City, Fla., assignors to United States of America as represented by the Secretary of Agriculture. Pine gum distillation. 2,598,684, June 3.

Golden, Bertie C., assignor to Millhiser Bag Company, Inc., Richmond, Va. Tagging machine for tobacco bags and the like. 2,601,835, July 1.

Golden, Bertie C., assignor to Millhiser Bag Company, Inc., Richmond, Va. Conditioning needle for bag stringing machines. 2,612,125, Sept. 30.

Golden, Carl E., Burlingame, and O. L. Notley, San Francisco, Calif. Flow control device. 2,622,615, Dec. 23.

Golden, John F., Lynn, Mass. Precision toolholder. 2,582,983, Jan. 22.

Golden, Joseph F.: *See*—
Preble, Andrew Y., and Golden.

Golden, Jules, assignee: *See*—
Feldman, Herman.

Golden, Robert, Los Angeles, Calif. Electrical control circuit. 2,590,606, Mar. 25.

Golden, Will R., assignee: *See*—
Sack, August B., and Kessman.

Golden, William M., Montgomery, Ala. Garment stay. 2,595,133, Apr. 29.

Goldenberg, Michael, Merion, Pa. Roller skating shoe. 2,615,723, Oct. 28.

Goldenberg, Seymour, Grantwood, N. J. Bottle holder and carrier. 2,616,751, Nov. 4.

Golden State Company, Ltd., assignee: *See*—
Hansley, Guy P., and Johnson.
Sharp, Paul F., and Wasson.

Goldfield, Edwin R., University Heights, and J. Ball, assignors to The Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube safety device. 2,583,095, Jan. 22.

Goldfield, Edwin R., University Heights, and E. B. Graves, South Euclid, assignors to Picker X-ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Shockproof head for X-ray apparatus. 2,611,095, Sept. 16.

Goldfine, Wesley R., assignor to Gaylord-Shelton, Inc., Chicago, Ill. Cord rack latch. 2,604,290, July 22.

Goldfischer, Lester I., Queens Village, N. Y., assignor to Radio Corporation of America. Integrating type telegraph signal detector. 2,606,975, Aug. 12.

Goldfus, Samuel M., assignor to Motorola, Inc., Chicago, Ill. Combination radio and television chassis. 2,617,878, Nov. 11.

Goldhammer, Leo, Munich, Germany. Photographic shutter with time delay mechanism. 2,619,171, Nov. 25.

Goldhammer, Leo, Munich, Germany. Rewinding device for photographic roll film. 2,622,819, Dec. 23.

Golding, Cleo J.: *See*—
Hutchins, Francis E., and Golding.

Golding, Norman S., assignor to State College of Washington Research Foundation, Pullman, Wash. Resazurin test for milk. 2,609,275, Sept. 2.

Golding, Ronald E.: *See*—
Sumner, James D., Goulding, and Golding.

Goldman, Angela A., River Edge, N. J., and C. W. Waller, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Preparing pteridine derivatives. 2,615,890, Oct. 28.

Goldman, Angela A., River Edge, N. J., and C. W. Waller, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Pteridine perbromides and preparing the same. 2,615,891, Oct. 28.

Goldman, Benjamin, New York, N. Y. Ash receptacle. 2,618,403, Nov. 18.

Goldman, Ernest A.: *See*—
Lewin, Gerhard, and Goldman.

Goldman, Jacob, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnet. 2,597,476, May 20.

Goldman, Jerome: *See*—
Spirt, Milton, and Goldman.

Goldman, Joseph, Highland Park, N. J., assignor, by mesne assignments, to Barnhardt Manufacturing Company, Charlotte, N. C. Cylindrical absorptive fibrous body and the manufacture thereof. 2,608,901, Sept. 2.

Goldman, Leon, River Edge, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-carbobenzoxy-4-substituted piperazines. 2,617,804, Nov. 11.

Goldman, Paul R., and R. Alt, Andover, assignors to Plymold Corporation, Lawrence, Mass. Apparatus for manufacturing lamellar tubing. 2,591,928, Apr. 8.

Goldman, Sanford L., Long Beach, N. Y. Display mount. 2,614,353, Oct. 21.

Goldman, Sydney B., Washington, D. C., and R. H. Krueger, Maplewood, N. J., assignors, by mesne assignments, to BLC Inc., Wilmington, Del. Lighter. 2,582,028, Jan. 8.

Goldmark, Peter C., New Canaan, Conn., and C. H. Youngquist, Brooklyn, assignors to Columbia Broadcasting System, Inc., New York, N. Y. Phonograph adaptor for long playing records. 2,610,258, Sept. 9.

Gold Medal Folding Furniture Company, assignee: *See*—
Gittings, William L., Christianson, and Johnson.

Goldrei, Abraham, London, England. Materials for use in packing eggs. 2,600,637, June 17.

Goldrick, Albert R., assignee: *See*—
Tucci, Anthony G.

Goldsbarry, Albert W., Northbrook, and M. S. Agruss, assignors to The Pure Oil Company, Chicago, Ill. Falling film type of vacuum still with rotating partial condenser. 2,613,176, Oct. 7.

Goldsby, Arthur F., and F. L., Chicago, Ill.; said A. F. Goldsby, assignor to said F. L. Goldsby. Seed planter with electrically vibrating feed trough. 2,609,123, Sept. 2.

Goldsby, Fred L.: *See*—
Goldsby, Arthur F., and F. L.
Orr, Clifford M., and Goldsby.

Goldsby, Fred L., Westfield, N. J., and C. M. Orr, Western Springs, Ill., assignors to Chicago Bridge & Iron Company. Floating roof seal. 2,586,813, Feb. 26.

Goldschmidt, Alfred: *See*—
Stewart, William T., and Goldschmidt.

Goldschmidt, Frieda: *See*—
Dishon, Binyamin R., and Goldschmidt.

Goldschmidt, Hans, Albany, Calif. Convertible material working machine. 2,623,269, Dec. 30.

Goldschmidt, Th., A. G., assignee: *See*—
Sander, Albert.

Goldsmith, Aaron, Los Angeles, Calif. Automatic resetting overload switch. 2,609,465, Sept. 2.

Goldsmith, Aimee B., executrix: *See*—
Goldsmith, William M.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Sensitizing, recording and desensitizing apparatus. 2,602,016, July 1.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Electrical recording in colors. 2,609,440, Sept. 2.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Composite picture television. 2,610,246, Sept. 9.

Goldsmith, Charles N., Shoreham-by-Sea, assignor, by mesne assignments, to Ricardo & Co. Engineers (1927) Limited, London, England. Decompression mechanism for reciprocating internal-combustion engines. 2,619,948, Dec. 2.

Goldsmith, Ernest E., Johannesburg, South Africa. Denture and artificial teeth. 2,616,174, Nov. 4.

Goldsmith, Henry A., Long Island City, N. Y., assignor to Colgate-Palmolive Peet Company, Jersey City, N. J. Lithium catalyzed ester interchange reactions. 2,622,091, Dec. 16.

Goldsmith, Henry F., Philadelphia, Pa. Forming sheer open-mesh material and apparatus therefor. 2,601,770, July 1.

Goldsmith, James R.: *See*—
Ziegler, Nicholas A., Goldsmith, and Lahr.

Goldsmith, Lester M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Pressure-relief apparatus. 2,594,152, Apr. 22.

Goldsmith, Lester M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Liquid level gauge. 2,620,660, Dec. 9.

Goldsmith, William M., deceased, Cincinnati, Ohio.; The First National Bank of Cincinnati and Aimee B. Goldsmith, executors. Securing means for wall base plates. 2,604,776, July 29.

Goldstein, Aaron A., assignor to Coat Craft Company, Philadelphia, Pa. Garment construction. 2,589,367, Mar. 18.

Goldstein, Adolph O., Santa Cruz, Calif. Fruit juice extractor. 2,601,606, June 24.

Goldstein, Alexander, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Mechanical current converter for circuit interruption. 2,583,263, Jan. 22.

Goldstein, David: *See*—
Hopkins, Robert E., and Goldstein.

Goldstein, Eli, Brooklyn, N. Y. Shuttle cleaner for sewing machines. 2,597,632, May 20.

Goldstein, Harry H., deceased, North Arlington, Va.; R. H. Goldstein, administratrix C. T. A. Bottle crate. 2,588,824, Mar. 11.

Goldstein, Herman B., Cranston, and S. T. Clary, Coventry, R. I., assignors to Sun Chemical Corporation, Long Island City, N. Y. Amido-amide derivatives of oxalic acid and preparing the same. 2,609,380, Sept. 2.

Goldstein, Herman B., Cranston, and S. T. Clary, Coventry, R. I., assignors to Sun Chemical Corporation, Long Island City, N. Y. Amido-amide derivatives of dibasic acids and preparing the same. 2,609,381, Sept. 2.

Goldstein, Max: *See*—
Dubin, Melvin, and Goldstein.

Goldstein, Maxwell K., Washington, D. C. Signal generator system. 2,607,034, Aug. 12.

Goldstein, Murray, Scranton, Pa. Universal presser foot for sewing machines. 2,586,936, Feb. 26.

Goldstein, Reuben, Pittsburgh, Pa. Exterior rearview controlled mirror. 2,585,308, Feb. 12.

Goldstein, Rose H., administratrix C. T. A.: *See*—
Goldstein, Harry H.

Goldstein, Samuel J., assignee: *See*—
Faso, William J.

Goldstine, Hallan E., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Heat radiator and antenna. 2,596,479, May 13.

Goldstine, Lee M., Chicago, Ill. Steering wheel cover. 2,618,987, Nov. 25.

Goldstone, Salo H., Bronx, N. Y. Scissors with probe used for circumcision. 2,619,965, Dec. 2.

Goldwasser, Maurice, Brooklyn, N. Y. Safety antijimmy window lock. 2,584,575, Feb. 5.

Goldsworthy, Norman H., assignor to Continental Can Company, Inc., New York, N. Y. Cover stack height controlling means. 2,609,779, Sept. 9.

Golf Unlimited, Inc., assignee: *See*—
Wagner, Curtis R.

Golick, Alexander J., Seattle, Wash., assignor to Monsanto Chemical Company, St. Louis, Mo. Soybean glue. 2,612,455, Sept. 30.

Golick, Joseph J., and R. L. Moore, assignors to Revere Camera Company, Chicago, Ill. Auxiliary spring attachment for motion-picture cameras. 2,613,761, Oct. 14.

Golland, Henry S.: *See*—
De Bow, Ernest G., and Golland.

Goller, Joseph J., Amsterdam, N. Y. Golf ball washer. 2,617,132, Nov. 11.

Golinick, Helen, assignee: *See*—
Golinick, Theodore E.

Golinick, Theodore E., assignor of 50 per cent to H. Golinick, Fort Pierce, Fla. Tree sprayer. 2,590,400, Mar. 25.

Gollong, Richard J., assignor to American Viscose Corporation, Wilmington, Del. Wash plug. 2,600,638, June 17.

Gollubier, Sarah, Chicago, Ill. Nose clip. 2,620,793, Dec. 9.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Zero suppressing means for printing machines. 2,581,649, Jan. 8.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,598,990, June 3.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,598,991, June 3.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Bed and cylinder address printing machine. 2,605,698, Aug. 5.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,605,699, Aug. 5.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Ribbon inker in address printing machines. 2,619,899, Dec. 2.

Gollwitzer, Walter T., and D. B. Brewster, Euclid, assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio. Feeding, printing, and stacking means in address printers. 2,619,898, Dec. 2.

Golnick, John C., Richmond, Va. Fishline float. 2,587,311, Feb. 26.

Golumbic, Calvin, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Separation of individual phenols from a mixture of isomeric, homologous, or other closely-related phenols. 2,581,406, Jan. 8.

Golwynne, Henry A., New York, N. Y. Production of metal powder. 2,587,614, Mar. 4.

Gomberg, Jacob, Chicago, Ill. Bobbin for hand knitting yarn and the like. 2,590,695, Mar. 25.

Gombosh, John, Pittsburgh, Pa. Ingot casting mold. 2,612,667, Oct. 7.

Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Electric toaster. 2,606,989, Aug. 12.

Gomersall, John R., Elgin, and M. Ireland, near Elgin, assignors to McGraw Electric Company, Elgin, Ill. Electric iron and making of same. 2,585,028, Feb. 19.

Gombarts, George K., New York, N. Y. Container for artists' materials. 2,593,138, Apr. 15.

Gommel, Ernest W., El Cerrito, Calif., assignor to United States Steel Company. Dirigible automotive arc welder. 2,615,110, Oct. 21.

Gommel, Dewey R., assignor to E. C. Atkins and Company, Indianapolis, Ind. Hacksaw blade tensioning device. 2,598,784, June 3.

Gomonet, Eugène, assignor to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Removal of carbon dioxide from gases by cooling. 2,586,026, Feb. 19.

Gonda, John H., Salem, Ohio. Animated wheeled toy. 2,591,804, Apr. 8.

Gondek, John T., Minneapolis, Minn. Apparatus for forming building block insulating members. 2,617,095, Nov. 11.

Gonder, Thomas W., Viola, Tenn. Corn cleaner and separator. 2,601,924, July 1.

Gonser, Bruce W., and E. E. Slowter, Columbus, Ohio, assignors, by mesne assignments, to Fansteel Metallurgical Corporation, North Chicago, Ill. Producing metallic bodies. 2,604,395, July 22.

Gonser, Harry A., Cleveland, Ohio. Lift bar clamp. 2,604,352, July 22.

Gonyea, Alexander H., Yonkers, N. Y. Tire chain applying clamp. 2,608,117, Aug. 26.

Gonzales, Odlin E., Oakland, Calif. Car door opener. 2,603,482, July 15.

Gonzalez, Carlos S.: *See*—
Gonzalez, Gilberto S., and C. S.

Gonzalez, Gilberto S., and C. S., San Jose, Costa Rica, assignors to J. D. Lavin, Mexico City, Mexico. Carburetor with diffusion and distribution chambers. 2,621,031, Dec. 9.

Good, Clyde, Portland, Oreg. Device for elevating bed covering. 2,602,171, July 8.

Good, George M., Albany, and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of alpha olefins. 2,611,789, Sept. 23.

Good Manufacturing Company, Inc., assignee: *See*—
Mided, Louis, and Gorden.

Good, Paul J., Webster, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill. Electrostatic reproduction process and apparatus. 2,584,695, Feb. 5.

Goodale, Charles D., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Coated granular explosive composition. 2,615,800, Oct. 28.

Goodale, Walter D., Jr.: *See*—
Botsford, Nelson, Boysen, Aikens, Dietze, Goodale, and Inglis.

Goodale, Walter D., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Equalizer circuit. 2,604,543, July 22.

Goodale, Walter D., Jr., Summit, and W. H. Martin, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone signaling system. 2,589,800, Mar. 18.

Goodall-Sanford, Inc., assignee: *See*—
Riding, Thomas.
Roullard, Edward L.
Welch, Raymond.

Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency controlled radio relaying system. 2,614,211, Oct. 14.

Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray coding tube. 2,616,060, Oct. 28.

Goodban, William T., Modesto, Calif. Can sorting machine. 2,601,514, June 24.

Goodbar, Mayo A., A. J. Green, and H. O. Randall, assignors to The National Cash Register Company, Dayton, Ohio. Key lock means for cash register control mechanism. 2,593,666, Apr. 22.

Goodbar, Mayo A., E. H. Placke, and C. G. Falkner, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,616,623, Nov. 4.

Goodchild, Frank D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Ultrahigh-frequency electron discharge device. 2,603,762, July 15.

Goode, Ernest L., Joplin, Mo. Minnow bucket. 2,587,834, Mar. 4.

Goode, Joseph H., Houston, Tex. Expander and applicator for pipe protector collars. 2,607,984, Aug. 26.

Goode, Robert E., Jr., Prescott, Ariz. Toy locomotive. 2,595,936, May 6.

Goode, Ronald B., Shreveport, La. Minature coupler. 2,617,541, Nov. 11.

Goode, Walker W., Humphrey, Nebr. Automatic return farm gate. 2,618,876, Nov. 25.

Goodell, Guy C., Jr., Worcester, Mass., assignor to Safety Hydraulics Company. Expansion and safety device for hydraulic brake systems. 2,581,792, Jan. 8.

Goodell, John S., Darlington, Wis. Tractor cultivator. 2,593,021, Apr. 15.

Goodell, Ralph W., Springfield, assignor to White Aircraft Corporation, Palmer, Mass. Carpet sweeper. 2,587,038, Feb. 26.

Goodell, Richard R.: *See*—
Fay, Charles H., and Goodell.

Goodemoot, Russell, Glendale, Calif., assignor, by mesne assignments, to Mecasco, Inc. Carpet anchoring device. 2,587,836, Mar. 4.

Goodemote, George H.: *See*—
Edwards, Harold, and Goodemote.

Goodenow, Fred I., Kansas City, Mo., and J. F. Goodenow, Jr., Johnson County, Kans. Draftsman's ink dispenser. 2,594,638, Apr. 29.

Goodenow, Julian F., Jr.: *See*—
Goodenow, Fred I., and J. F.

Goodenough, Russell E., Northfield, Vt. Manually adjustable reverse motion control. 2,605,644, Aug. 5.

Gooderham, Cecil E.: *See*—
Hedstrom, Eric L., Otto, Gooderham.

Gooderham, John W., Rye, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling line identification system. 2,615,987, Oct. 28.

Goodeve, James E., Brooklyn, N. Y. Posture attachment for chairs. 2,582,115, Jan. 8.

Goodfellow, Isaac, assignor to Shoe Form Co., Inc., Auburn, N. Y. Hosiery form. 2,606,700, Aug. 12.

Goodfriend, William J., Worcester, assignor to Hunter Spring Company, Lansdale, Pa. Combined tension-compression testing apparatus. 2,612,041, Sept. 30.

Goodhue, Lyle D., Bartlesville, Okla., and W. M. Florence, Manhattan, Kans., assignors to Phillips Petroleum Company. Thiosulfenyl dithiocarbamates as fungicides. 2,598,989, June 3.

Goodhue, Lyle D., and C. E. Tissol, Bartlesville, Okla., assignors to Phillips Petroleum Company. Trithiocarbonates as plant defoliants. 2,607,673, Aug. 19.

Goodhue, Lyle D., and C. E. Tissol, Bartlesville, Okla., assignors to Phillips Petroleum Company. Herbicide and defoliant. 2,610,116, Sept. 9.

Goodhue, Lyle D., and C. E. Tissol, Bartlesville, Okla., assignors to Phillips Petroleum Company. Thiosulfenyl dithiocarbamates as grain insect repellents. 2,621,143, Dec. 9.

Goodhue, William M., Lakeview, assignor to Polytechnic Research and Development Company Incorporated, Brooklyn, N. Y. Joint for wave guides. 2,597,081, May 20.

Goodhue, William V., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin with strand end attaching means. 2,614,771, Oct. 21.

Goodin, Benjamin O., Jefferson City, Mo. Drier and sterilizer. 2,595,242, May 6.

Goodin, Clifton S., Jr.: *See*—
Eliot, Theodore Q., Goodin, and Weaver.

Goodings, Eric P., Chadderton, and D. J. Hadley, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of unsaturated aldehydes. 2,593,437, Apr. 22.

Goodman, Abraham H.: *See*—
Block, Zenas, Rosner, and Goodman.

Goodman, Alfred E., and L. R. Brown, Pasco, Wash. Nonblurrable rear-vision mirror. 2,588,825, Mar. 11.

Goodman, Charles, New York, N. Y. Underwater constructions. 2,587,835, Mar. 4.

Goodman, Clyde C., Philadelphia, Pa. Slug eliminator. 2,616,544, Nov. 4.

Goodman, Donald A., McCall, Idaho. Ski binding. 2,590,097, Mar. 25.

Goodman, Jack: *See*—
Kutik, William R., Jr., and Goodman.

Goodman, Leo M., Mayview, Pa. Hose shutoff. 2,622,837, Dec. 23.

Goodman, Leslie T.: *See*—
Burton, Hubert H., and Goodman.

Goodman, Louis S., and M. Nickerson, Salt Lake City, Utah, assignors to The Givaudan Corporation, New York, N. Y. Enteric coated sympatholytic composition. 2,602,040, July 1.

Goodman Manufacturing Company, assignee: *See*—
Barry, Robert L., and Boesewetter.
Beck, William R.
Biedess, Anthony R.
Buckeridge, Roger M.
Budd, Robert D.
Bugos, John.
Cartlidge, Frank.
Driehaus, Herman W.
Gleeson, Murray A.
Hagenbook, Loy D.
Hilinsky, Emil J.
Holstein, John H.
Lindgren, Frank A.
Madeira, John R.
Moulton, Robert, and Stover.
Sloane, William W.
Slomer, Joseph J.

Goodman, Saul, Yonkers, N. Y. Kettledrum. 2,587,310, Feb. 26.

Goodman, William C., Wichita, Kans. Combination vehicle cover and tent. 2,608,198, Aug. 26.

Goodness, Francis E.: *See*—
Vahle, Julius, Goodness, and Heath.

Goodnight, Austin G., Laton, Calif. Dispensing utensil. 2,615,405, Oct. 28.

Goodpasture, Gordon, assignee: *See*—
Stokes, William P.

Goodrich, Alonzo C., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Vent valve structure. 2,583,481, Jan. 22.

Goodrich, B. F., Company, The, assignee: *See*—
Ambler, Robert R.
Antonson, John O.
Ardl, Alan E.
Ardis, Alan E.
Armstrong, Howard H.
Averill, Seward J.
Batiuk, Martin, and Shively.
Baumgartner, Luther L.
Beber, Adolph J.
Beears, Warren L.
Beears, Warren L., and Jansen.
Bowen, Claude T.
Boyle, Thomas E.
Bralley, James A., and Pope.
Brees, Clarence W.
Brucker, Ferdinand F.
Carlson, Earl J.
Carroll, Richard T.
Colley, Russell S.
Davies, Robert E., and Fink.
Davis, Edward A., and Ambler.
Davis, Herbert L.
Fihe, John L., and Huff.
Folt, Vernon L.
Folt, Vernon L., and Gilbert.
Fritz, Howard E.
Gilbert, Harry, and Ardis.
Gilbert, Harry, and Miller.
Greene, Howard E.
Gregory, James T.
Gregory, James T., and Jansen.
Gresham, Thomas L., and Jansen.

Goodrich, B. F. Company, The, assignee: *See*—Continued.
Hamner, Charles L.
Hansen, Merrill E.
Harrison, Stuart A., and Brown.
Hasselquist, Victor H.
Helms, John R.
Herzegh, Frank.
Hickler, Walter R.
Hollerith, Charles.
Hopperstead, Sever L.
Jansen, Jacob E.
Jones, Benjamin F.
Kamlet, Jonas.
Katzenmeyer, Edwin B., and Krupp.
Keller, Russell J.
Kline, Paul L.
Kmentt, Waldemar D.
Krotz, Alvin S.
Krotz, Alvin S., and Cowden.
Krupp, Carroll P.
Larsen, Earl E., and Luther.
Leguillon, Charles W.
Leguillon, Charles W., and Katzenmeyer.
Lindemann, Robert E.
Macey, Joseph H.
Mathes, Roger A.
McCool, John C.
McGarry, Leo J.
Miller, Donald J.
Miller, Floyd F.
Morrissey, Richard T., and Crawford.
Robison, Robert D.
Roha, Max E.
Sarbach, Donald V.
Schanz, George H.
Schellin, Frank H.
Schmidt, Richard F.
Schmidt, Richard F., Ardis, and Gilbert.
Schroeder, Charles H.
Seifried, Anthony G.
Seifried, Anton G.
Seifried, Anton G., and Jenkins.
Semegen, Stephen T.
Shaver, Forrest W.
Shelley, Thomas H., Jr.
Slusher, Frank.
Smith, Robert W.
Snyder, Clarence E.
Spicer, Alvin W.
Sternad, Frank S.
Stewart, Floyd D.
Stewart, William D.
Stewart, William D., and Standen.
Strong, Walter J.
Tonge, William R., and Gill.
Trathen, James.
Waddell, Joseph L.
Walrafen, Gerald W.
Webber, Ezra G.
Westfahl, Jerome C.
Westfahl, Jerome C., and Sears.
Wheelock, George L.
Wilson, Matthew W., and Lessig.
Wolf, Robert J.
Wolf, Robert J., and Nicolay.
Goodrich, Frank W.: *See*—
Almgren, August E., Jakob, and Goodrich.
Goodrich, Hunter C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Electronic signal seeking receiver. 2,601,384, June 24.
Goodrich, Hunter C., Jr., Detroit, Mich. Standard impulse noise generator. 2,582,247, Jan. 15.
Goodrich, Levi F., assignor to Corning Glass Works, Corning, N. Y. Firing of molded powdered glass articles. 2,618,104, Nov. 18.
Goodrich, Ross H., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Dust collector. 2,590,958, Apr. 1.
Goodrich, Ross H., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Manually operated switch with magnetically latched position. 2,608,624, Aug. 26.
Goodrick, Howard W., Greenfield, Wis., assignor to General Electric Company. Fluorescent screen. 2,623,181, Dec. 23.
Goodroad, Earl and E. E., Cambridge, Minn., assignors to Flo-Matic Valve Co. Timing valve. 2,592,024, Apr. 8.
Goodroad, Elmer E.: *See*—
Goodroad, Earl and E. E.
Goodsell, George H., Vandergrift, Pa., assignor to United States Steel Company. Preventing cracking of silicon steel during hot rolling. 2,618,843, Nov. 25.
Goodson, George W.: *See*—
Madsen, Paul S., and Goodson.
Goodson, Mrs. John, assignee: *See*—
Kubach, Oscar P.
Goodson, Kenneth W., Hampton, Va. Key ejector case. 2,618,958, Nov. 25.
Goodson, Luke B., and J. A. Guyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fluid type catalytic reaction chamber and operating same. 2,606,097, Aug. 5.
Goodson, Otis G., Oakville, Tenn. Hand-operated dispenser for viscous fluids. 2,602,572, July 8.
Goodstein, Charles B., New Rochelle, N. Y. Staple setting apparatus and method. 2,589,491, Mar. 18.
Goodwill, Frederic C.: *See*—
Massey, Peter J., and Goodwill.
Goodwillie, David H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edging strip. 2,618,819, Nov. 25.
Goodwillie, John E., assignor to Beloit Iron Works, Beloit, Wis. Selective web transfer control for paper machinery. 2,622,492, Dec. 23.
Goodwin, Carl L., Bay Village, Ohio. Electrical remote-control system. 2,580,539, Jan. 1.
Goodwin, Chester H., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for removal of gases from liquids. 2,592,680, Apr. 15.
Goodwin, Ernest G., Toledo, Ohio. Railway car. 2,580,760, Jan. 1.
Goodwin, Ernest G., Toledo, Ohio. Anchor for high-tension loading bands for gondola cars. 2,613,614, Oct. 14.
Goodwin, George I., assignee: *See*—
Narrin, Austin R.
Goodwin, George I., Birmingham, Mich. Clutch plate. 2,587,837, Mar. 4.
Goodwin, George I., Birmingham, Mich. Structural member. 2,605,867, Aug. 5.
Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxane resins containing as substituents $(CH_3)_2SiCH_2$— or $(CH_3)_2C_6H_5SiCH_2$—. 2,590,957, Apr. 1.
Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silahydrocarbons and their production. 2,592,681, Apr. 15.
Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organo siloxanes and their production. 2,592,682, Apr. 15.
Goodwin, John T., Jr., assignor to Dow Corning Corporation, Midland, Mich. Cyclic silahydrocarbons. 2,607,791, Aug. 19.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reaction of organosilane with glycerine-dicarboxylic acid ester and dicarboxylic acid. 2,584,340, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting an organosilane, glycerine, and glycerine-dicarboxylic acid ester. 2,584,341, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting siloxane-glycerine ester with acid ester of dicarboxylic acid and glycerine. 2,584,342, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting polysiloxane with glycerine and thereafter with dicarboxylic acid and product. 2,584,343, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Reacting siloxane with glycerine-dicarboxylic acid ester and thereafter with dicarboxylic acid. 2,584,344, Feb. 5.
Goodwin, John T., Jr., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Modified siloxane-alkyd copolymers. 2,589,243, Mar. 18.
Goodwin, Lloyd O., assignor to Standolind Oil and Gas Company, Tulsa, Okla. Apparatus for measuring dips of well strata. 2,588,717, Mar. 11.
Goodwin, Ralph C., Schenectady, N. Y., assignor to General Electric Company. Control for gas turbine power plants. 2,589,074, Mar. 11.
Goodwin, Robert C., Lubbock, Tex., assignor to Phillips Petroleum Company. Manufacture of improved drying oils by the condensation of unsaturated mineral oil polymers with aldehydes. 2,588,826, Mar. 11.
Goodwin, Ronald G.: *See*—
Kehoe, Richard D., Surino, and Goodwin.
Goodwin, Thomas F., Muldrow, Okla. Combined clothesline stretcher and elevator. 2,604,212, July 22.
Goodyear Aircraft Corporation, assignee: *See*—
Beck, Derwood A., and Eddy.
Garby, Louis C.
Hosterman, Harry L., Jr.
Mayne, Robert.
Goodyear, Charles H., deceased, Stockton, Calif.: H. W. Goodyear, executrix of said C. H. Goodyear. Parlor bowling game. 2,610,055, Sept. 9.
Goodyear, Helen W., executrix: *See*—
Goodyear, Charles H.
Goodyear Tire & Rubber Company, The, assignee: *See*—
Plagge, Homer H.
Goodyer, Harold J., assignor, by mesne assignments, to Hills-McCanna Company, Chicago, Ill. Device for introducing atomized liquid into gas under pressure. 2,613,067, Oct. 7.
Goo Kim, John K., Jr., assignee: *See*—
Singer, Henry.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manually operable tool for installing tubular rivets. 2,582,248, Jan. 15.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and mold for covering of eyelets by plastic injection. 2,596,993, May 20.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eyeleting machine. 2,612,282, Sept. 30.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for handling flanged pins. 2,621,824, Dec. 16.
Gooley, Clarence A., and E. L. Gooley, Harrington, Wash. Rotary tooth cleaner. 2,591,147, Apr. 1.
Gooley, Edward L.: *See*—
Gooley, Clarence A. and E. L.
Goolsbee, Charles C., assignor to Reed Roller Bit Company, Houston, Tex. Rotary bit. 2,614,810, Oct. 21.
Goon, Robert C., Toledo, Ohio. Dispensing container. 2,602,567, July 8.
Goor, Jeanette, assignor: *See*—
Mindel, Joseph.
Göpert, Göte Y. M., Jonkoping, Sweden. Folding bed. 2,621,338, Dec. 16.
Goppel, Johan M.: *See*—
Rumscheidt, Gottfried E., and Goppel.
Goppel, Johan M., and G. E. Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilizing diolefine polymer-sulfur dioxide reaction products. 2,583,370, Jan. 22.
Goppel, Johan M., and G. E. Rumscheidt, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilizing polydiolefin sulfones. 2,583,527, Jan. 29.
Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Molding articles. 2,593,438, Apr. 22.
Gora, Henry Z., Stratford, Conn., assignor, by mesne assignments, to Anchor Hocking Glass Corporation, Lancaster, Ohio. Machine and method for manufacturing closures. 2,593,439, Apr. 22.
Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Method and apparatus for molding plastic articles. 2,593,667, Apr. 22.
Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Manufacture of composite articles. 2,593,668, Apr. 22.
Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Fastener and washer assembling. 2,613,374, Oct. 14.
Gora-Lee Corporation, The, assignee: *See*—
Gora, Henry Z.
Goralske, Arthur W., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for cutting glass. 2,618,857, Nov. 25.
Gorbach, Georg, Graz, Austria, assignor to Sartorius-Werke A.G., Gottingen, Germany. Precision weighing balance. 2,613,926, Oct. 14.
Gorden, Fred, Astoria, Oreg. Chair. 2,608,239, Aug. 26.
Gorden, Henry C.: *See*—
Mided, Louis, and Gorden.
Gordinier, Ralph E., Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J. Liquid pump. 2,584,865, Feb. 5.
Gordon, Adele, Milwaukee, Wis. Catamenial trap. 2,616,426, Nov. 4.
Gordon, Alan M., Madison, N. J. Hypnosis assisting device. 2,608,969, Sept. 2.
Gordon, Alexander M., assignor to M. L. Grant, Providence, R. I. Fare register having photoelectric fare sensing mechanism. 2,594,422, Apr. 29.
Gordon, Alexander M., assignor to M. L. Grant, Providence, R. I. Electric circuit for controlling fare registering machines. 2,594,423, Apr. 29.
Gordon, Alexander M., assignor to M. L. Grant, Providence, R. I. Coin controlled oscillator for relay operation. 2,594,424, Apr. 29.
Gordon, Alexander M., Providence, and W. E. Straubel, Johnston, assignors to M. L. Grant, Providence, R. I. Closure guard for coin boxes. 2,598,533, May 27.
Gordon, Alred L., Cleveland Heights, Ohio, assignor to Chicago White Metal Products, Inc., Chicago, Ill. Casket handle. 2,580,909, Jan. 1.
Gordon, Arthur, Chicago, Ill. Separator. 2,607,493, Aug. 19.
Gordon, Arthur F., assignor to Dow Corning Corporation, Midland, Mich. Preparation of polysiloxane resins by hydrolysis of halosilanes in contact with methylene chloride. 2,622,072, Dec. 16.
Gordon, Carroll G., Pasadena, Calif., assignor to North American Aviation, Inc. Wing slat operating mechanism. 2,600,527, June 17.
Gordon, Carroll G., Pasadena, Calif., assignor to North American Aviation, Inc. Aircraft control. 2,621,873, Dec. 16.
Gordon, Carroll G., Pasadena, and R. C. Dahlman, Santa Monica, Calif., assignors to North American Aviation, Inc. Wing flap mechanism. 2,608,364, Aug. 26.
Gordon, Carroll M., San Pablo, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Universal manipulator for grasping tools. 2,595,134, Apr. 29.
Gordon, Claud S., Company, assignee: *See*—
Campbell, Harry L.
Gordon, Don, Burbank, assignor to E. M. Stolaroff, Los Angeles, Calif. Lip brush holder with manual release and gravity drop. 2,591,537, Apr. 1.
Gordon, Don, Burbank, assignor to E. M. Stolaroff, Los Angeles, Calif. Spring-retracted lip brush having ram-rod means in cap for projecting brush to operative position. 2,607,942, Aug. 26.
Gordon, Donald L., Plymouth, Ind. Wheeled support having ladder assembly. 2,586,531, Feb. 19.
Gordon, Elliot, Norwood, assignor to Rower Dental Mfg. Corp., Boston, Mass. Dental preparation and making it. 2,599,445, June 3.
Gordon, Hamilton: *See*—
Prendergast, Charles S., R. S., Dixey, and Gordon.
Gordon, Harry L., Sunland, Calif. Steaming and pressing flatiron. 2,597,314, May 20.
Gordon, Harry P., Rochester, Minn. Nasal tube holder. 2,590,006, Mar. 18.
Gordon, Herman L., Silver Spring, Md. Supporting device for electrical heating appliances. 2,595,243, May 6.
Gordon, Herman L., Silver Spring, Md. Wire connector. 2,601,276, June 24.
Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Forming embossed rug cushions. 2,585,108, Feb. 12.
Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Making embossed rug cushions. 2,585,109, Feb. 12.
Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Radar pulsing system. 2,590,308, Mar. 25.
Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Radio-frequency switching arrangement. 2,598,534, May 27.
Gordon, Jerome J.: *See*—
Eisenhardt, Raymond, and Gordon.
Gordon, Julia E. I., Bricks, N. C. Game apparatus for teaching the use of the multiplication table. 2,585,458, Feb. 12.
Gordon, Lawrence L., New York, N. Y. Supervisory control system for filming television and other pictures. 2,615,088, Oct. 21.
Gordon, Leo, Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Handle for portable fire extinguishers. 2,581,013, Jan. 1.
Gordon, Malcolm K., Jr., Lodi, assignor to Bendix Aviation Corporation, Teterboro, N. J. Power failure indicator. 2,605,331, July 29.
Gordon, Malcolm K., Jr., Garrison, N. Y., and K. E. Lischick, Cliffside Park, assignors to Bendix Aviation Corporation, Teterboro, N. J. Adjustable torque and deflection control mechanism for indicating instruments. 2,619,933, Dec. 2.
Gordon, Marion H., Storm Lake, Iowa. Paper dispenser. 2,598,992, June 3.
Gordon, Melvin J., Brookline, Mass., assignor to M. J. and S. Z. Gordon and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Stocking and affixing an adhesive transfer thereto. 2,601,115, June 17.
Gordon, Neil T.: *See*—
Snyder, Perry G., and Gordon.
Gordon, Paul, Chicago, Ill. Stamp pad. 2,585,647, Feb. 12.
Gordon, Reed D., Detroit, Mich. Hat holder. 2,590,401, Mar. 25.
Gordon, Robert N., Los Angeles, Calif. Conditioning photographic apparatus. 2,606,409, Aug. 12.
Gordon, Russell R., Oakland, Calif. Rotary saw apparatus having adjustable saw guide. 2,619,995, Dec. 2.
Gordon, Sadye Z., assignee: *See*—
Gordon, Melvin J.
Gordon, Samuel M.: *See*—
Schlesinger, Albert, Weiner, and Gordon.
Schoen, Karl, and Gordon.
Gordon, Samuel R., New York, N. Y. Combination light fixture and fan. 2,581,185, Jan. 1.
Gordon Specialties Company, assignee: *See*—
Potter, Marcus L.
Gordon, Thurlow M., Jr., New York, N. Y. Device for detecting variations in fluid pressure. 2,583,941, Jan. 29.
Gordon, William E., Columbia, Mo., assignor to the United States of America as represented by the Secretary of the Army. Free piston impulse blast gauge. 2,601,778, July 1.
Gordon-Wright, John G., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electric signaling system. 2,583,642, Jan. 29.
Gore, Howard W.: *See*—
Dixon, Alfred L., Gore and Rice.
Gorecki, Robert J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Making belts. 2,597,790, May 20.
Gorecki, Robert J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Transmission belt mold. 2,602,188, July 8.
Gorey, Archie H., assignor to Graflex, Inc., Rochester, N. Y. Shutter leaf driving means for between-the-lens shutters. 2,593,873, Apr. 22.
Gorey, Robert J., Elmhurst, N. Y. Combination pitcher and container for paper milk containers. 2,612,765, Oct. 7.
Gorham, George, assignor to Technicon Chromatography Corporation, New York, N. Y. Automatic-fraction collection apparatus. 2,604,248, July 22.
Gorham, George, assignor, by mesne assignments, to Technicon Chromatography Corporation, New York, N. Y. Automatic fraction-collection apparatus. 2,604,249, July 22.

Gorham, Robert H., Kendall, Wis. Support and coupling mechanism for tractor drawn vehicles. 2,621,940, Dec. 16.

Gorin, Everett: *See*—
Gorin, Manuel H. and E.

Gorin, Everett, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Converting carbon to electrical energy. 2,581,650, Jan. 8.

Gorin, Everett, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Integrated gasification electrochemical system. 2,581,651, Jan. 8.

Gorin, Manuel H.: *See*—
Rosenstein, Ludwig, and Gorin.

Gorin, Manuel H., San Francisco, Calif., and E. Gorin, Mount Lebanon, Pa., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Methylation of aromatics. 2,581,014, Jan. 1.

Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake release control apparatus. 2,587,039, Feb. 26.

Gorman, Andrew T., Pitcairn, and E. S. Cook, Forest Hills, Pa., assignors to Westinghouse Air Brake Company. Apparatus for preventing undesired release of fluid pressure brakes. 2,612,412, Sept. 30.

Gorman, Richard J., Glendale, and J. W. Binsack, Staten Island, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Coffee roaster. 2,620,176, Dec. 2.

Gorn, Elmer J., assignor to Raytheon Manufacturing Company, Newton, Mass. Traveling-wave electron reaction device. 2,591,350, Apr. 1.

Gornick, Stanley J., Milwaukee, Wis. Snow melting furnace. 2,601,116, June 17.

Gorrias, Harry N., Los Angeles, Calif. Fishhook. 2,618,881, Nov. 25.

Gorshkoff, Alexis S., Oxford, assignor to Steel Products, Incorporated, West Haven, Conn. Diffuser head for fluid fuel burners. 2,587,140, Feb. 26.

Gorske, Stanley F., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Torque transmitting device. 2,598,993, June 3.

Gorske, Stanley F., Indianapolis, and C. P. Pepper, Plainfield, Ind., assignors, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Transmission and clutch mechanism. 2,622,450, Dec. 23.

Gorsky, Reuben L., Racine, and D. R. Illing, Milwaukee, Wis. Impression device for making dentures. 2,597,929, May 27.

Gorton, Charles E.: *See*—
Marquardt, Leonard A., and Gorton.

Gorton, George, Machine Co., assignee: *See*—
Eserkaln, Theodore F.
Henkes, Peter M., and Miottel.

Gorton, Harold O., Glenwood, Minn. Dump rake. 2,600,109, June 10.

Gorton, Paul T., Grosse Pointe, assignor to Federal Mogul Corporation, Detroit, Mich. Tool for assembling and disassembling connecting rods and their bearings. 2,610,391, Sept. 16.

Gorton, Thomas S., Evanston, Ill. Apparatus for separating ice from ice-packed fish. 2,617,532, Nov. 11.

Gorwitz, Sam: *See*—
Brenchley, George S., and Gorwitz.

Goserud, Chester O., St. Paul, Minn. Door latch. 2,613,971, Oct. 14.

Goshawk, Eric R., Rock Bank, Bollington, assignor to Fine Spinners & Doublers Limited, Manchester, England. Drafting system for textile fibers. 2,621,373, Dec. 16.

Goshorn, John C.: *See*—
Rockwell, Paul O., and Goshorn.

Goslin-Birmingham Manufacturing Company, Inc., assignee: *See*—
Lindquist, Alfred H.

Gosline, Gilbert G.: *See*—
Jacobsen, Le Roy V., and Gosline.

Gosling, John W., and C. S. Combs, assignors to Eastman Kodak Company, Rochester, N. Y. Making masks for photographic transparencies. 2,596,677, May 13.

Gosnell, Earl J.: *See*—
Kantrowitz, Morris S., Gosnell, and General.

Gosnell, Hardy B., Slater, S. C. Loom take-up let-back mechanism. 2,591,538, Apr. 1.

Gosnell, Robert E., Bucyrus, and A. F. Casler, East Cleveland, Ohio, assignors to General Electric Company. Glass tube reshaping apparatus. 2,615,285, Oct. 28.

Goss, James H., Schenectady, N. Y., L. I. Mendelsohn, Lynn, and H. A. Bakke, Swampscott, Mass., assignors to General Electric Company. Meter damping magnet structure. 2,595,244, May 6.

Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S., and Knell.
McWhorter, Henry L.
Taylor, Auburn.

Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Manufacturing sheet wood. 2,581,652, Jan. 8.

Gosselin, Joseph D., Attleboro, Mass., assignor to Swank, Inc. Belt buckle. 2,604,683, July 29.

Gosselin, Wilfrid J., Methuen, assignor to US Bobbin & Shuttle Company, Lawrence, Mass. Weaving shuttle having a mechanically anchored tip. 2,618,297, Nov. 18.

Gossett, Fred C., assignor to Don Baxter, Inc., Glendale, Calif. Y rubber stopper. 2,594,639, Apr. 29.

Gossett, Homer E., Portland, Oreg. Holder for implements. 2,591,805, Apr. 8.

Gossick, Ben R., Oak Ridge, Tenn., assignor to Radio Corporation of America. Balance control for metal detection and inspection equipment. 2,598,252, May 27.

Gossmann, John H., Chicago, Ill. Cleaning mop holder. 2,614,280, Oct. 21.

Gossner, Louis E. E., assignor to Elro, Inc., San Francisco, Calif. Closure for waterproof garments. 2,602,208, July 8.

Gossner, Louis E. E., assignor to Treg. Inc., San Francisco, Calif. Providing a watertight connection between boots and trousers. 2,603,888, July 22.

Gosting, Richard E.: *See*—
Dubbs, Carbon C., and Gosting.

Gotberg, Harry H., and J. Silvagi, Detroit, assignors to Colonial Broach Company, Warren Township, Mich. Grinding-wheel dressing fixture. 2,586,937, Feb. 26.

Goth, Erich: *See*—
Salzer, Walter, and Goth.

Goth, Erich, Wuppertal-Elberfeld, and W. Salzer, Wuppertal-Barmen, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y. Producing thiosemicarbazones. 2,583,770, Jan. 29.

Gotham Hosiery Company, Inc., assignee: *See*—
Nelson, Melvin E.
Tilles, Roy E.

Gothard, Kenneth L., assignee: *See*—
Olson, Alfred M.

Göthberg, Karl E. A., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Oil mist lubricator. 2,610,700, Sept. 16.

Gottesman, Herman, assignor to The Permaline Company, Clifton, N. J. Inner lined folding carton. 2,599,708, June 10.

Gottfried, Jacob B., Chicago, Ill., assignor to Corn Products Refining Company, New York, N. Y. Ion exchange system. 2,599,757, June 10.

Gottfried, John: *See*—
Foushee, Robert M., and Gottfried.

Gottfried, Louis, assignee: *See*—
Sarnak, Joseph J.

Gotthardt, Henry R., assignor to Logan Co., Inc., Louisville, Ky. Power driven roller conveyer. 2,600,917, Sept. 9.

Gottlieb, Harold J., Cleveland, Ohio. Apparatus for separating carbon sheets from manifold packs. 2,619,175, Nov. 25.

Gottlieb, Max: *See*—
Gottlieb, Sam A. and M.

Gottlieb, Nathan: *See*—
Rosenthal, Paul, Polanyi, and Gottlieb.

Gottlieb, Sam A., and M., Philadelphia, Pa. Mixing nozzle for dispensing apparatus. 2,597,093, May 20.

Gottschalk, Roland A., and R. W. Warner, Gresham, Oreg. Fishing arrowhead. 2,599,626, June 10.

Gottschalk, Victor H., York, Pa. Adjustable resiliency bedspring. 2,595,072, Apr. 29.

Gottschall, Wilhelm, Oberhausen-Sterkrade, H. Kolling, Duisburg-Hamborn, and A. Hagemann, Duisburg-Meiderich, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holton, Germany. Oxidizing paraffinic hydrocarbons. 2,602,812, July 8.

Gottschau, Christian M., Rochester, N. Y., assignor to Commercial Controls Corporation. Stamp vending machine. 2,581,323, Jan. 1.

Gottscho, Adolph, Inc., assignee: *See*—
Gottscho, Ira S., and Hirschey.
Gottscho, Ira S., and Kuett.
Hirschey, Malcolm.

Gottscho, Ira S., Brooklyn, N. Y., and K. H. Kuett, Paramus, assignors to Adolph Gottscho, Inc., Hillside, N. J. Marking device. 2,592,558, Apr. 15.

Gottscho, Ira S., Brooklyn, and M. Hirschey, Woodside, N. Y., assignors to Adolph Gottscho, Inc., Hillside, N. J. Apparatus for marking continuously moving articles. 2,604,039, July 22.

Gottstein, Theodore R., Chicago, Ill. Battery lifter. 2,613,982, Oct. 14.

Gouabault, Robert, Brezolles, France. Shoe sole. 2,605,560, Aug. 5.

Gouch, Victor F., Plano, Ill. Coupling. 2,588,827, Mar. 11.

Goudet, Georges: *See*—
Altovsky, Vladimir A., and Goudet.

Gouge, Arthur, Ryde, Isle of Wight, assignor to Saunders-Roe Limited, Osborne, England. Window for pressurized chambers. 2,602,970, July 15.

Gouge, Arthur, Ryde, assignor to Saunders-Roe Limited, Osborne, East Cowes, Isle-of-Wight, England. Window for pressurized chambers. 2,613,402, Oct. 14.

Gouge, Everett, assignee: *See*—
Stein, Sigurd C., and Monkres.

Gougeon, Russell A., Altadena, Calif. Electromagnetically operated signal producing resonator device. 2,598,994, June 3.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Toaster timer. 2,611,849, Sept. 23.

Gouirand, Rene, New York, N. Y. Pneumatic suspension device for vehicles. 2,601,515, June 24.

Gould, Albert S., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,581,096, Jan. 1.

Gould, Byron C., assignor to The Murray Corporation of America, Detroit, Mich. Automobile hood, fender, and lamp construction. 2,584,576, Feb. 5.

Gould, Charles B., Cleveland, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission. Time-delay relay testing device. 2,615,967, Oct. 28.

Gould, Charles W., assignor to Hercules Powder Company, Wilmington, Del. Homogeneous polymerization of vinylidene compounds with an α,α-dialkylarylmethyl hydroperoxide and a heavy metal compound as catalyst. 2,612,490, Sept. 30.

Gould, Charles W., assignor to Hercules Powder Company, Wilmington, Del. Pentaerythritol manufacture. 2,612,526, Sept. 30.

Gould & Eberhardt, Incorporated, assignee: *See*—
Zimmermann, William F.

Gould, Lester E., Loretto, Mich. Bottle opening device. 2,620,691, Dec. 9.

Gould-National Batteries, Inc., assignee: *See*—
Tanner, George S.

Gould, Robert K.: *See*—
Moore, Frank J., Hess, and Gould.

Gould, Samuel, Lennox, Calif. Safety device for skis and the like. 2,618,487, Nov. 18.

Gould, Wallace E., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,589,244, Mar. 18.

Goulding, Albert, Jr., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Apparatus and method for performing sheeting or coating operations on or with plastic material. 2,611,150, Sept. 23.

Goulding, George H.: *See*—
Sumner, James D., Goulding, and Golding.

Goulds Pumps, Inc., assignee: *See*—
Mann, John.

Goulooze, Martin J., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Door hinge. 2,620,508, Dec. 9.

Gouloumes, Noël, Saint-Cheron, and A. E. Caillat, Paris, France. Apparatus for the drying of granular and powdery materials. 2,622,342, Dec. 23.

Gourbeyre, Claude J. L. M.: *See*—
Gourbeyre, Emile M. and C. J. L. M.

Gourbeyre, Emile M. and C. J. L. M., Orleans, France. Average speed indicator. 2,623,690, Dec. 30.

Goure, Robert E., Erie, Pa., assignor to General Electric Company. Tube seal. 2,614,398, Oct. 21.

Gourgues, Albert, Lyon, France. Heating container for rapid preparation of hot drinks. 2,582,865, Jan. 15.

Gouriet, Geoffrey G., Surbiton, and R. H. Hammans, Petts Wood, England. Apparatus for comparing frequencies of electric oscillations. 2,615,943, Oct. 28.

Govan, William A. J., Beachhurst, N. Y. Conveyer lubricator. 2,604,199, July 22.

Governale, Luke J., J. H. Huguet, and C. M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Photochemical chlorination process. 2,589,689, Mar. 18.

Govett, Thomas, Summit, and M. L. Almquist, Maplewood, N. J., assignor to Rehels Company, Inc. Aluminum chlorhydroxy and borate gels. 2,607,658, Aug. 19.

Goyette, Charles, Pawtucket, R. I. Combination flower box and house marker. 2,580,671, Jan. 1.

Govro-Nelson Company, assignee: *See*—
Broders, Claude E.

Gow, Arthur R., Hamden, and C. T. Manville, Woodbury, assignors to The Seamless Rubber Company, New Haven, Conn. Syringe. 2,588,381, Mar. 11.

Gow, James D., San Francisco, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Insulator testing apparatus. 2,605,633, Aug. 5.

Gowland, John P., Palo Alto, Calif. Leaping figure toy. 2,586,938, Feb. 26.

Graaff, Gerald O., Ellensburg, Wash. Machine for handling sugar beets, potatoes, and the like. 2,608,815, Sept. 2.

Grabau, William C., San Francisco, Calif. Integrating counter. 2,588,107, Mar. 4.

Gräber, Carl D., Orrville, Ohio. Pressurized fuel burning and air heating unit. 2,619,954, Dec. 2.

Graber Company, The, assignee: *See*—
Graber, John N.

Graber, John N., Madison, assignor to The Graber Company, Middleton, Wis. Interlocking connection between a pulley carriage and a drapery traverse rod. 2,619,166, Nov. 25.

Graber, Martin: *See*—
Schroeder, John A., Bower, and Graber.

Grabhorn, Charles, Hoboken, N. J. Wallet. 2,595,843, May 6.

Grable, Donovan B., Long Beach, Calif. Directed well drilling. 2,586,939, Feb. 26.

Gracchi, Candido, New York, N. Y. Lathe attachment. 2,621,396, Dec. 16.

Grace Corset Company, assignee: *See*—
Searles, Albert H.

Grace, Edward J., Jr., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for elevating contact material. 2,600,528, June 17.

Grace, Frank E.: *See*—
Rittner, Edmund S., Grace, Fine, and Beutel.

Grace Sign & Mfg. Co., assignee: *See*—
Rericker, William G.

Grace, William E., Dallas, Tex. Combination sweeper and blower. 2,601,695, July 1.

Gracey, William R., Jr.: *See*—
Bone, Herbert L., Logan, and Gracey.

Gradisar, Albin A., Snyder, N. Y., assignor to American Optical Company, Southbridge, Mass. Column supporting and elevating structure for optical instruments. 2,621,559, Dec. 16.

Gradsten, Marcel: *See*—
Zerner, Ernst, Gradsten, and West.

Grady, Emil: *See*—
Owens, Hugh P., and Grady.

Grady, Henry W., Quincy, Fla. Package dispenser. 2,616,573, Nov. 4.

Grady, Thomas L., Ashley, Pa. Combined hoist and jack. 2,604,303, July 22.

Graebe, Herman C., Bridgewater, Mass., assignor to The Murray Company of Texas, Inc., Dallas, Tex. Pneumatic linter gin. 2,622,280, Dec. 23.

Graef, Elbridge R.: *See*—
Barkdoll, Archie E., Bell, and Graef.

Graef, Robert L.: *See*—
White, Gifford E., Graef, and La Forge.

Graef, Robert P., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency discriminator. 2,609,447, Sept. 2.

Graenacher, Charles, Riehen, and H. Bruengger, assignors to Ciba Limited, Basel, Switzerland. Azo dyestuff derivatives and making same. 2,595,571, May 6.

Graenacher, Charles, Riehen, A. E. Siegrist, and H. Bruengger, assignors to Ciba Limited, Basel, Switzerland. Carboxylic acid-sulfonic acid mono-halides, new acylating agents, and the manufacture thereof. 2,623,050, Dec. 23.

Graessle, Lowell R., Spencerville, Ohio. Hay cutter and loader. 2,599,255, June 3.

Graets, William P., assignor to McAuley Manufacturing, Inc., Bremen, Ohio. Automatic poultry feeder. 2,589,690, Mar. 18.

Gräf, Arthur, Mannheim, Germany. Monorail running gear for suspension cranes. 2,583,833, Jan. 29.

Graf, Edward H., assignor to Cleveland Steel Conditioner, Inc., Cleveland, Ohio. Producing steel. 2,593,554, Apr. 22.

Graf, Fred V., Los Angeles, Calif. Brassière. 2,615,164, Oct. 28.

Gräf & Stift Automobilfabrik-Aktiengesellschaft, assignee: *See*—
Scheiterlein, Andreas.

Graff, Christian F., Mechanicsburg, Pa. Food carrier assembly. 2,598,995, June 3.

Graffis, Howard A.: *See*—
Weissman, George L., and Graffis.

Graflex, Inc., assignee: *See*—
Brundage, Clinton F.
Gorey, Archie H.
Hineline, Edson S.
McMath, Marl.
Smith, Clarence E.

Graham, Albert E., executor: *See*—
Graham, Albert R.

Graham, Albert R., deceased, Pittsburgh, Pa.; A. E. and C. F. Graham, executors. Surgical appliance. 2,586,940, Feb. 26.

Graham, Alexander L.: *See*—
Dietert, Harry W., and Graham.

Graham & Allen, assignee: *See*—
Graham, George C.

Graham, Arthur H., Sharon, Pa., assignor to General American Transportation Corporation, Chicago, Ill. Centering and sealing device for floating tank roofs. 2,600,237, June 10.

Graham, Arthur S.: *See*—
Crawford, William S., and Graham.

Graham & Barker, assignee: *See*—
Graham, George C.

Graham, Benjamin O., St. Louis, Mo. Water supply inlet means for toilet flush tanks. 2,595,937, May 6.

Graham, Carl F., executor: *See*—
Graham, Albert R.

Graham, Clarence R., Jr., assignor to James Graham Manufacturing Co., Newark, Calif. Split-top cover shelf support mechanism. 2,602,442, July 8.

Graham, Clifford P., Los Angeles, Calif. Plug-type valve. 2,621,012, Dec. 9.

Graham, Clifton B., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Fluid flow control system. 2,619,107, Nov. 25.

Graham, E. David: *See*—
Werner, Jesse, and Graham.

Graham, Edith M., Fayetteville, N. C. Hair curler. 2,595,844, May 6.

Graham, Frank L., San Francisco, Calif. Applying and removing extension device for temporary rivets. 2,601,117, June 17.

Graham, George C., assignor, by mesne assignments, to Graham & Barker, Ridgewood, N. J. Washing machine. Re. 23,483, Apr. 29.

Graham, George C., assignor, by mesne assignments, to Graham & Allen, Ridgewood, N. J. Washing machine. 2,610,497, Sept. 16.

Graham, George E. G., assignor to Cinema-Television Limited, London, England. Apparatus for controlling scanning accuracy of cathode-ray tubes. 2,604,534, July 22.

Graham, George K., Oceanside, N. Y., assignor to Radio Corporation of America. Sound recorder with sound-controlled stylus feed. 2,611,038, Sept. 16.

Graham, Gordon B., Kenmore, N. Y. Hacksaw frame. 2,622,641, Dec. 23.

Graham, Harold, Claremont, Calif. Rollable structure for beds and the like. 2,599,383, June 3.

Graham, Harold J., Highland Park, assignor to Graham Manufacturing Corporation, Detroit, Mich. Pneumatic welding gun and associated system. 2,610,278, Sept. 9.

Graham, Harold J., Highland Park, and P. F. Powder, assignors to Graham Manufacturing Corporation, Detroit, Mich. Escapement mechanism. 2,611,911, Sept. 30.

Graham, Harry C., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Screw stud. 2,601,385, June 24.

Graham, James, West Boylston, Mass. Can cutting and crushing apparatus. 2,602,483, July 8.

Graham, James, Manufacturing Co., assignee: *See*—
Graham, Clarence R., Jr.

Graham, John D.: *See*—
Kincaid, Homer F., Graham, and Redmond.

Graham, John, Jr., Falls Church, Va. Grid panel unit for radiant heat and like installations. 2,603,458, July 15.

Graham, Lattrell, Amarillo, Tex. Needle with openable eye. 2,620,104, Dec. 2.

Graham, Lloyd D., Chicago, Ill. Awning hanger structure. 2,597,633, May 20.

Graham, MacKellar K., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,591,806, Apr. 8.

Graham Manufacturing Corporation, assignee: *See*—
Graham, Harold J.

Graham, Harold J., and Powder.

Graham, Marion E., Parma, and E. A. Beidler, Columbus, Ohio; said Beidler assignor, by mesne assignments, to Henry L. Crowley & Co., Inc., West Orange, N. J. Selectively reducing ferrous chloride in the vapor phase from a gaseous mixture of manganese and ferrous chloride. 2,596,072, May 6.

Graham, Marion E., Parma, and E. A. Beidler, Columbus, Ohio; said Beidler assignor, by mesne assignments, to Henry L. Crowley & Co., Inc., West Orange, N. J. Selectively reducing ferrous chloride in the solid phase from a solid mixture of $FeCl_2$ and $MnCl_2$. 2,596,073, May 6.

Graham, Matthew P.: *See*—
Alldredge, Marshall H., and Graham.

Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Rod and tube assembly. 2,584,696, Feb. 5.

Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,586,646, Feb. 19.

Graham, Maurice H., Minneapolis, Minn., assignor to General Mills, Inc. Timing device. 2,621,730, Dec. 16.

Graham, Maxwell A.: *See*—
Bergan, Martin D., and Graham.

Graham, Maxwell A., and C. H. Thompson, Fanwood, assignors to The Thomas & Betts Co., Elizabeth, N. J. Pigtail electric connector. 2,589,368, Mar. 18.

Graham, Muriel V., Kent, Wash. Burping doll. 2,606,399, Aug. 12.

Graham, Paul S., Pittsburgh, and H. Kennedy, McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchboard construction. 2,594,010, Apr. 22.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Saw-tooth generator and system utilizing it. 2,580,672, Jan. 1.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Saw-tooth generator and system utilizing it. 2,580,673, Jan. 1.

Graham, Robert P., El Cerrito, J. H. Thompson, Burlingame, and A. D. Shepherd, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Separation of pear waste into its liquid and solid components. 2,614,933, Oct. 21.

Graham, Roscoe D., Greensboro, N. C. Spray gun for distributing powdered material. 2,606,392, Aug. 12.

Graham, Roy G.: *See*—
Tallman, Oscar F., and Graham.

Graham, Russell C., Sierra Madre, Calif. Loading and distributing means for concrete mixers. 2,589,492, Mar. 18.

Graham, Spencer W., Grainfield, Kans. Filling device for grease guns. 2,620,114, Dec. 2.

Graham, Thomas K., and C. P. Etterer, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Apparatus for sorting heavy bars. 2,609,095, Sept. 2.

Graham, Thomas T., Houston, Tex. Repair clamp for pipe lines. 2,581,015, Jan. 1.

Graham, William O.: *See*—
Hand, Frederick E., and Graham.

Graham, William R., Jr., Kansas City, and G. O. Kohler, Mission, Kans., and R. D. Hoover, assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Iodinating proteins. 2,586,425, Feb. 19.

Graham, William R., Jr., Wilmette, Ill., and J. Chrisman, assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Apparatus for charging and storing materials. 2,592,559, Apr. 15.

Graham, William R., Jr., Johnson County, Kans., and J. Chrisman, assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Apparatus for charging and storing materials. 2,617,351, Nov. 11.

Graham, William T., Amarillo, Tex. Mechanism for raising and lowering plow frames relative to the ground wheels. 2,588,918, Mar. 11.

Graham, William T., Amarillo, Tex. Adjustable weed cutting attachment. 2,595,351, May 6.

Graham, William T., Amarillo, Tex. Bean clamp. 2,595,352, May 6.

Graham, William T., Amarillo, Tex. Filler pad for ground working tools. 2,595,353, May 6.

Graham-Enock, Arthur, assignor to Graham-Enock Manufacturing Company Limited, London, England. Machine for filling and capping bottles and like containers. 2,597,791, May 20.

Graham-Enock Manufacturing Company Limited, assignee: *See*—
Graham-Enock, Arthur.

Grahling, Walter C., East Cleveland, and T. A. St. Clair, South Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Poppet valve mounting assembly. 2,616,659, Nov. 4.

Gröhs, Sven J. E.: *See*—
Kristenson, Nils H. B., and Gröhs.

Gramann, Heinrich F. M.: *See*—
Huenlich, Charles, and Gramann.

Gramkee, Bruce E.: *See*—
Fordyce, Charles R., and Gramkee.

Gramlich, Leo H., St. Louis, Mo. Locking mechanism for overhead swinging garage doors. 2,585,110, Feb. 12.

Grammes, L. F., & Sons, Inc., assignee: *See*—
Romig, Morris W.

Grams, Emil G., Willmar, Minn. Train message delivery fork. 2,599,627, June 10.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Amine salt of penicillin. 2,585,239, Feb. 12.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Biphenyl amine salts of penicillin. 2,588,517, Mar. 11.

Granath, Axel G., Chicago, assignor, by mesne assignments, to H. S. Simpson, Evanston, Ill., as trustee. Conveyer trough. 2,591,929, Apr. 8.

Granberg, Albert J., Oakland, Calif. Fluid meter temperature compensating means. 2,607,224, Aug. 19.

Granberg, Albert J., Oakland, Calif., assignor of 7.99% to C. M. Walter, 4.42% each to A. S. Kozman and J. E. Peregrine, 2.21% each of H. M. and L. E. Alley, 1.10% to J. E. Smith and 22.13% to R. W. Lindsay. Hose reel. 2,615,756, Oct. 28.

Granberg, Neil B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Angular piercing tool. 2,594,552, Apr. 29.

Granberry, Edgar H., Shawmut, Ala., assignor to West Point Manufacturing Company, West Point, Ga. Spindle testing dynamometer. 2,608,858, Sept. 2.

Granborg, Svante C., Stockholm, and C. G. Neck, Nossebro, Sweden; said Granborg assignor to said Neck. Attaching a strain clamp to a composite aluminum-steel conductor end. 2,620,550, Dec. 9.

Grand Specialties Company, assignee: *See*—
Hopfeld, Fred P.

Grand Duchess Steaks, Inc., assignee: *See*—
Condon, Howard M.

Grandgirard, Henri, Puteaux, assignor to Société des Brevets Kegresse, S. E. K., Paris, France. Cushioning device for hydraulic clutches. 2,587,141, Feb. 26.

Grandgirard, Henri, Puteaux, assignor to Societe des Brevets Kegresse, S. E. K., Paris, France. Articulation of track links of endless tracks. 2,610,094, Sept. 9.

Grandgirard, Henri, Puteaux, assignor to Société des Brevets Kegresse, S. E. K., Paris, France. Centrifugal valve device for controlling fluid operated clutches. 2,619,978, Dec. 2.

Grandi, Giuseppe, Milano, Italy. Belt buckle. 2,598,369, May 27.

Grandia, William M., York Township, York County, Pa., assignor to Fiakice Corporation, Brooklyn, N. Y. Ice-making. 2,593,874, Apr. 22.

Grandinetti, Eugene, Ozone Park, J. J. Rush, New York, and O. C. Balmer, Westerleigh, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for removing drum covers. 2,595,245, May 6.

Grandinetti, Louis A., Syracuse, N. Y. Portable air-cooling apparatus. 2,620,638, Dec. 9.

Granditer, David, New York, N. Y. Combined writing desk and table. 2,590,959, Apr. 1.

Grandjean, Philippe, assignor to Sandoz, A. G., Basel, Switzerland. Polyazo dyestuffs. 2,606,897, Aug. 12.

Grand Rapids Hardware Company, assignee: *See*—
Brown, Edward H.
Dickinson, Henry R.
Dickinson, Henry R., III.
Dickinson, Henry R., and Swierbut.

Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voltage regulating system. 2,600,639, June 17.

Grand Union Company, The, assignee: *See*—
Shield, Lansing P.

Graner, Frank L., New York, N. Y., and C. H. Scott, Westport, Conn., assignors to The Dorr Company, New York, N. Y. Sedimentation unit. 2,585,006, Feb. 12.

Granert, Robert O., Minonk, Ill. Garment. 2,584,577, Feb. 5.

Granfield, Henry A., assignor to The Dura-Rapid Nailer Co., Inc., Buffalo, N. Y. Full throw mechanism for nailing machines. 2,618,778, Nov. 25.

Granfield, John C., Pittsfield, Mass., assignor to General Electric Company. Working laminated metal. 2,586,532, Feb. 19.

Granfield, Walter J., Minneapolis, Minn. Sweating torch for conduits. 2,593,295, Apr. 15.

Granger, Charles C., Henderson, N. C. Oil burner for tobacco curing barns. 2,612,945, Oct. 7.

Granger, Noah, Lake Charles, La. Fishing line hook protector. 2,594,011, Apr. 22.

Granite City Steel Company, Inc., assignee: *See*—
Hodil, Ralph.

Grannis, William C., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Apparatus for vulcanizing frothed latex rubber. 2,611,926, Sept. 30.

Grano, Gaspare: *See*—
Rutkiewicz, Joseph, and Grano.

Granquist, Carl-Erik, Lidingo, assignor to Svenska Aktiebolget Gasaccumulator, Lidingo (near Stockholm), Sweden. Adjusting arrangement. 2,589,369, Mar. 18.

Grant, Arthur W., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Electroforming seamless tubes. 2,613,178, Oct. 7.

Grant, Casper E., Richmond, Va. Puzzle and game. 2,595,938, May 6.

Grant, David: *See*—
Bashark, Nicholas, and Grant.

Grant, David, Los Angeles, and L. V. Hall, Manhattan Beach, Calif., assignors to Hughes Tool Company, Houston, Tex. Hydraulic by-pass control. 2,616,264, Nov. 4.

Grant, Eugene F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wave guide attenuator. 2,619,538, Nov. 25.

Grant, Fred M.: *See*—
Sanderlin, Ralph C., and Grant.

Grant, Garnet P., Jr., Old Greenwich, Conn., assignor to Grant Photo Products, Inc., New York, N. Y. Direct positive camera adapter. 2,592,524, Apr. 15.

Grant, Gordon A.: *See*—
Beall, Desmond, and Grant.
McKay, Arthur F., and Grant.

Grant, Gordon A., Montreal, and C. von Seemann, Westmount, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Acylated thiol esters from etiobilienic acid esters. 2,586,533, Feb. 19.

Grant, Gordon A., Montreal, and W. L. Glen, Baie d'Urfe, assignors to Ayerst, McKenna & Harrison Limited, St. Laurent, Quebec, Canada. Equilenin-3-monosulfate and alkaline salts thereof. 2,597,471, May 20.

Grant, Gordon A., Montreal, and W. L. Glen, Baie d'Urfe, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. Equilin-3-monosulfate and alkaline salts thereof. 2,597,723, May 20.

Grant, Harry C., Jr., Ridgewood, assignor to Specialties Development Corporation, Belleville, N. J. Valve assembly. 2,611,577, Sept. 23.

Grant, Harry C., Jr., Ridgewood, assignor to Specialties Development Corporation, Belleville, N. J. Photoelectrically controlled system for detecting suspended matter in fluids. 2,620,385, Dec. 2.

Grant, Harry C., Jr., Ridgewood, N. J., and A. W. Uhl, Inwood, N. Y., assignors to Specialties Development Corporation, Belleville, N. J. Device for testing electrical circuits. 2,595,246, May 6.

Grant, Hilda, executrix: *See*—
Zimdars, John B.

Grant, Horace C., assignor to Egan Cotton Mills, Inc., Atlanta, Ga. Roving feeding mechanism for knitting machines. 2,605,625, Aug. 5.

Grant, Jesse R., Chicago, Ill. Shipping case for fragile articles. 2,588,232, Mar. 4.

Grant, Max L., assignee: *See*—
Gordon, Alexander M.
Gordon, Alexander M., and Straubel.

Grant Oil Tool Company, assignee: *See*—
Santiago, James J.

Grant, Pearl M., Decatur, Ill. Adjustable music rack. 2,597,581, May 20.

Grant Photo Products, Inc., assignee: *See*—
Grant, Garnet P., Jr.

Grant Production Company Limited, assignee: *See*—
Briscoe, Hugh V., and Byng.

Grant Pulley & Hardware Co., assignee: *See*—
Gussack, Nathan A.

Grant, Robert S., Lakeland, Fla., assignor to Food Machinery and Chemical Corporation. Universal weigher and bagger. 2,614,787, Oct. 21.

Grantham, Cyril, assignor to Metalasilk Limited, Leicester, England. Resilient bush. 2,621,949, Dec. 16.

Grantham, Frederick W., Los Angeles, Calif. Drier. 2,604,313, July 22.

Grantham, John A., assignor to Dufay Limited, London, England. Producing structural elements from web material. 2,619,444, Nov. 25.

Grantham, Virgil M., Riverside, N. J., assignor to Radio Corporation of America. Magnetic transducer. 2,621,259, Dec. 9.

Grasham, Charles W., Dallas, Tex. Palm tree pruner. 2,581,479, Jan. 8.

Grass, Albert M., Quincy, Mass., assignor, by mesne assignments to the United States of America as represented by the Secretary of the Navy. Scanning system. 2,605,418, July 29.

Grassle, Vernon R., assignor to Hercules Powder Company, Wilmington, Del. Preparation of acid-soluble cellulose derivatives. 2,623,041, Dec. 23.

Gratian, Joseph W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Electronic wave chopping circuits. 2,611,084, Sept. 16.

Graton & Knight Company, assignee: *See*—
Knight, Kenneth H.

Grattan, Worthin F., Campbell, Calif. Fluid transmission. 2,616,537, Nov. 4.

Gratzmuller, Jean L., Paris, France. Fluid pressure indicator. 2,597,724, May 20.

Gratzmuller, Jean L., Paris, France. Telescopic hydraulic jack. 2,618,122, Nov. 18.

Grau, Herman E., Mount Lebanon, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Tube testing apparatus. 2,617,291, Nov. 11.

Grau, Herman E., Mount Lebanon, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Continuous tube testing apparatus. 2,617,292, Nov. 11.

Grauer, Jacob G., Glenside, Pa. Interlocking knockdown table. 2,585,111, Feb. 12.

Gravelle, Ulysses S., Washington, D. C. Clothesline prop. 2,602,624, July 8.

Gravenhorst, Everett G., Hasbrouck Heights, assignor to Air Associates, Incorporated, Teterboro, N. J. Thermal pressure equalizer. 2,611,393, Sept. 23.

Graver Tank & Mfg. Co., Inc., assignee: *See*—
Wilkin, Lester A.

Graves, Charles R., Eureka, assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Suspended ceiling with recessed lighting fixture. 2,580,540, Jan. 1.

Graves, Clarence C., Clinton, Okla. Hay loading attachment. 2,586,324, Feb. 19.

Graves, Edward B.: *See*—
Goldfield, Edwin R., and Graves.

Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube control. 2,583,213, Jan. 22.

Graves, Harold E., Jr., assignor to Brown-Graves Company, Akron, Ohio. Window construction. 2,603,844, July 22.

Graves, James R., Demott, Ark. Boat trailer. 2,603,501, July 15.

Graves, Lloyd T., North Vancouver, assignor of two-thirds to W. B. Steele, Vancouver, British Columbia, Canada. Mobile crane. 2,605,002, July 29.

Graves, Reber, Glen Ellyn, Ill. Plate hanger. 2,614,778, Oct. 21.

Graves, Ritson H., Plainfield, N. J., and J. F. Ednie, McKeesport, Pa., assignors to The American Metal Company, Limited, New York, N. Y. Lead base alloy. 2,599,628, June 10.

Graves, Robert S., and D. B. Geiger, Jr., Columbus, Ga. Liquid indicator and strainer for refrigerating systems. 2,608,301, Aug. 26.

Graves, Roy R., Valparaiso, Ind., assignor to The Graves-Stambaugh Corporation. Milking barn. 2,610,608, Sept. 16.

Graves, Roy R., Valparaiso, Ind., assignor to The Graves-Stambaugh Corporation. Milking process. 2,616,809, Nov. 4.

Graves-Stambaugh Corporation, The, assignee: *See*—
Graves, Roy R.

Graves, William L. O.: *See*—
Foote, Lawrence R., and Graves.

Graveson, Carl C., Copenhagen, Denmark. Injection molding machine. 2,585,112, Feb. 12.

Graviner Manufacturing Company Limited, assignee: *See*—
Hansard, Douglas A.

Gravis, Richard C., Austin, Tex. Toolholder for impact tools. 2,589,075, Mar. 11.

Gravos, Albert H., and P. J. Ivy, Spokane, Wash. Refuse can support. 2,609,103, Sept. 2.

Gray, A. G., Company, The, assignee: *See*—
Walter, John M.

Gray, Albert M., Chicago, Ill. Support for eating utensils. 2,615,318, Oct. 28.

Gray, Allen G., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibition of oxidation in tin solutions. 2,585,902, Feb. 19.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Processing sulfur vulcanizable elastomer compounds. 2,615,204, Oct. 28.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Processing vulcanizable elastomer compounds. 2,615,205, Oct. 28.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for controlling the temperature of plastic material. 2,622,469, Dec. 23.

Gray, Anna M. M., Portland, Oreg. Invalid chair. 2,592,025, Apr. 8.

Gray, Basil, and G. S. Cleghorn, assignors to English Steel Corporation Limited, Vicars Works, Sheffield, England. Bar feeder. 2,609,107, Sept. 2.

Gray, Benjamin A., and J. D. Sabo, assignors to Toy Founders, Inc., Detroit, Mich. Model automobile assembly kit. 2,587,142, Feb. 26.

Gray, C. F., Baton Rouge, La., assignor to the United States of America as represented by the United States Atomic Energy Commission. Casting apparatus. 2,586,027, Feb. 19.

Gray, Calvin B., Wilmington, Del. Note pad and note sheet holder. 2,591,351, Apr. 1.

Gray, Charles B., Springfield, Pa. Mechanical movement. 2,612,052, Sept. 30.

Gray, Claud W., El Paso, Tex. Closure control device. 2,592,137, Apr. 8.

Gray Company, Inc., assignee: *See*—
Gray, Russell J.

Gray, Dallas H., Jr., Oakland, Calif. Air-filter machine. 2,621,755, Dec. 16.

Gray, David P., Lloydminster, Saskatchewan, Canada. Method and apparatus for removing oil sands from oil wells. 2,602,516, July 8.

Gray, Edward, assignee: *See*—
Kamler, Benedict R.

Gray, Edward J., deceased, New York, N. Y.; I. C. Gray, executrix of said E. J. Gray. Razor blade magazine. 2,611,478, Sept. 23.

Gray, Eldon S.: *See*—
Ramsey, Thomas B., and Gray.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Storage device utilizing semiconductor. 2,592,683, Apr. 15.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coder for pulse code modulation systems. 2,617,980, Nov. 11.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coder for pulse code modulation systems. 2,617,981, Nov. 11.

Gray, Frank, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Laminated assembly. 2,582,984, Jan. 22.

Gray, Frank, East Orange, and R. W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,583,562, Jan. 29.

Gray, G. A., Company, The, assignee: *See*—
Marx, Graham E.
Walter, John M.

Gray, Gene W., North Hills, Pa. Surface finish gauging device. 2,618,965, Nov. 25.

Gray, Gene W., Salt Lake City, Utah. Game apparatus. 2,607,865, Aug. 19.

Gray, George, Elgin, Ill. Cup rack. 2,606,666, Aug. 12.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Gray, George W., Lambertville, N. J., assignor to Radio Corporation of America. Frequency changing system. 2,621,289, Dec. 9.

Gray, Harold W., and C. I. Nicoson, San Luis Obispo, Calif. Shift delay. 2,611,281, Sept. 23.

Gray, Harry Z., Lebanon, Ohio. Bottle carrier. 2,604,354, July 22.

Gray, Irene C., executrix: *See*—
Gray, Edward J.

Gray, John D.: *See*—
Zaber, Adolph J., and Gray.

Gray, John D., assignor, by mesne assignments, to Gray-Mills Corporation, Evanston, Ill. Process and apparatus for maintaining the viscosity of ink through circulation. 2,597,472, May 20.

Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical driving circuit. 2,594,912, Apr. 29.

Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Computer for solving right triangles. 2,597,315, May 20.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Frequency measuring device. 2,584,866, Feb. 5.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Computer. 2,617,586, Nov. 11.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Integrator. 2,622,231, Dec. 16.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Capacity motion responsive device. 2,623,996, Dec. 30.

Gray, Kenneth R.: *See*—
Schlosser, Paul H., and Gray.

Gray, Kenneth V., assignor: *See*—
Harris, Walter S.

Gray, Landon R., Manhattan Beach, and H. P. Smith, Jr., Los Angeles, assignors to R. Seifried, Playa del Rey, Calif. Feed screw releasing means. 2,612,057, Sept. 30.

Gray, Leffel E., Jr.: *See*—
Jones, Earl W., and Gray.

Gray Manufacturing Company, The, assignee: *See*—
Moore, Frank L.
Roberts, Willard A., Moore, and Conforti.

Gray-Mills Corporation, assignee: *See*—
Gray, John D.

Gray, Philip P.: *See*—
Wallerstein, Leo, and Gray.

Gray, Philip P., Forest Hills, assignor to Wallerstein Company, Inc., New York, N. Y. Malt beverages and stabilizing the same. 2,620,275, Dec. 2.

Gray, Preston R., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Private branch exchange trunk circuit. 2,586,334, Feb. 19.

Gray, Ralph E., Jr., Oak Park, Ill. Flexible tool with predetermined overload yielding means. 2,619,860, Dec. 2.

Gray Research and Development Company, Inc., assignee: *See*—
Kinsman, Russell C., and Perry.

Gray, Richard, Bieber, Calif. Fid hook with safety latch. 2,605,529, Aug. 5.

Gray, Richard E., assignor to International Standard Electric Corporation, New York, N. Y. Airport wind indicating and warning system. 2,619,527, Nov. 25.

Gray, Richard O.: *See*—
Czeropski, Walter P., Jr., and Gray.

Gray, Richard O., Broadview, Ill., assignor to Zenith Radio Corporation. Color television synchronizing system. 2,601,516, June 24.

Gray, Richard O., Broadview, Ill., assignor to Zenith Radio Corporation. Television receiver output transformer. 2,612,545, Sept. 30.

Gray, Robert, Waltham, and R. Ellis, Watertown, assignors to Raytheon Manufacturing Company, Newton, Mass. Magnetic recorder. 2,616,982, Nov. 4.

Gray, Robert B., assignor to American Meter Company, Erie, Pa. Adjustment device. 2,608,873, Sept. 2.

Gray, Robin, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Co. Elecrolyte level indicator and anti-splash device for electric accumulators. 2,590,960, Apr. 1.

Gray, Russell D., Jr., Haworth, and W. A. Paecht, West Caldwell, N. J., assignors to Curtiss-Wright Corporation. Electrodeposition of cadmium-tin alloy. 2,609,338, Sept. 2.

Gray, Russell J., Meadeville, Minn. Endless track. 2,581,587, Jan. 8.

Gray, Russell J., Meadville, assignor to Gray Company, Inc., Minneapolis, Minn. Gear pump. 2,623,469, Dec. 30.

Gray, Thomas, Ituna, Saskatchewan, Canada. Harrow tooth. 2,606,413, Aug. 12.

Gray, Tom F., assignee: *See*—
Harris, Walter S.

Gray Tool Company, assignee: *See*—
Crain, Robert L.
Mueller, Robert A.
Mueller, Robert A., and Crain.

Gray, Willard F. M.: *See*—
Camilli, Guglielmo, Gray, and Mulligan.

Gray, William, Vancouver, British Columbia, Canada. Spray gun air cap. 2,587,993, Mar. 4.

Gray, William E., West Lafayette, and C. V. Gagen, La Fayette, Ind. Railway car truck side frame. 2,620,744, Dec. 9.

Gray, William T., Jenkintown, assignor to Leeds and Northrup Company, Philadelphia, Pa. Radiation pyrometer with illuminator. 2,611,541, Sept. 23.

Gray, Worth, Cactus, Tex., assignor to Phillips Petroleum Company. Production of crystalline materials. 2,623,814, Dec. 30.

Gray, Worth, Dumas, Tex., assignor to Phillips Petroleum Company. Production of ammonia. 2,610,106, Sept. 9.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Mechanical counting relay. 2,615,086, Oct. 21.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Switching apparatus. 2,615,095, Oct. 21.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic switching apparatus. 2,623,126, Dec. 23.

Graybill, Wilbur H., Lititz, Pa. Bale tension means. 2,613,590, Oct. 14.

Graycik, Eugene L., Cloquet, Minn. Artificial bait. 2,613,471, Oct. 14.

Graymills Corporation, assignee: *See*—
Zaber, Adolph J., and Gray.

Grayson, Harry, Longsight, Manchester, and D. E. Brown, Chilton, near Didcot, England. Radio echo moving target indicator. 2,586,028, Feb. 19.

Grayson, Jesse A., Los Angeles, Calif. Water-cooled arc lamp carbon holder. 2,620,373, Dec. 2.

Great Lakes Carbon Corporation, assignee: *See*—
Bailey, Bruce L.
Bollaert, Armand R., and Neu.
Gamson, Bernard W.
Johnson, Wilbur E., and Reintjes.
Nelson, Harold W.
Shea, Frederick L., Jr.
Stecker, Glenroy.

Great Lakes Steel Corporation, assignee: *See*—
Lindemuth, Lewis B.

Great Western Bag Company, assignee: *See*—
Katz, Harry B.

Great Western Sugar Company, The, assignee: *See*—
Brown, Robert J., Nees, and Bennett.

Greaves, Edwin: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.

Greaves, George V., Elkins Park, Pa. Dyeing apparatus. 2,611,258, Sept. 23.

Grebby, John W.: *See*—
Taylor, William I., and Grebby.

Grebe, Otto, Olpe, assignor to Elektro-Mechanik G. m. b. H., Wendenerhutte Uber Olpe, Germany. Electrohydraulic moving device. 2,605,613, Aug. 5.

Greco, John J., Brooklyn, N. Y. Punch plier for eyeglass frames. 2,615,356, Oct. 28.

Gredell Corporation, assignee: *See*—
Gredell, Marcellus W.

Gredell, Marcellus W., assignor to Gredell Corporation, Detroit, Mich. Shear pin coupling for aligned shafts. 2,585,113, Feb. 12.

Gredell, Marcellus W., Detroit, Mich. Power transmission mechanism. 2,585,114, Feb. 12.

Gredell, Otto N., Kansas City, Mo. Shoe protector. 2,588,919, Mar. 11.

Greefkes, Johannes A.: *See*—
Hansen, Hendrik N., and Greefkes.

Greegor, Ralph H., assignor to The Kinnear Manufacturing Co., Columbus, Ohio. Rolling door with slat therefor having windows. 2,592,888, Apr. 15.

Greegor, Ralph H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Rolling door with slat therefor having windows. 2,621,726, Dec. 16.

Green, Albert J.: *See*—
Goodbar, Mayo A., Green and Randall.

Green, Alfred R.: *See*—
Cole, Horace, Green, Le Mare, and Taylor.

Green, Arlando A., Versailles, Ind. Drive mechanism for toys. 2,588,109, Mar 4.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Paper having improved printing characteristics. 2,581,186, Jan. 1.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Making pressure sensitive record material. 2,618,573, Nov. 18.

Green, Burton M., Ballston Spa, N. Y. Cargo handling apparatus for ships. 2,613,001, Oct. 7.

Green, Carl J., Oak Ridge, Tenn. Variable ratio power transmission. 2,584,799, Feb. 5.

Green, Charles M., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Sampling device. 2,598,535, May 27.

Green, Charles P., Chicago, Ill. Clothesline tensioning device. 2,591,930, Apr. 8.

Green, Clarence J.: *See*—
Hook, Russell P., and Green.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Cam grinding machine. 2,581,759, Jan. 8.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Piston grinding machine. 2,599,987, June 10.

Green, Dallas R., Hooper, Utah. Expansible plug-type closure. 2,605,924, Aug. 5.

Green, Donald C., Russell, Ohio. Pressure responsive valve. 2,591,148, Apr. 1.

Green, Donald C., Russell, Ohio. Hydraulic accumulator and valve therefor. 2,616,453, Nov. 4.

Green, Donald F., Anoka, Minn. Pipe for smoking tobacco and baffle unit. 2,595,572, May 6.

Green, Donald W., trustee, assignee: *See*—
McGill, Daniel F.

Green, Edward A., assignor to Security Machine Products Company, Chicago, Ill. Apparatus for manufacturing nuts. 2,590,171, Mar. 25.

Green, Edward H., Chicago, Ill. Spray nozzle. 2,587,040, Feb. 26.

Green, Edward R.: *See*—
Rawnsley, David W., Green, and Gill.

Green, Frederick H.: *See*—
Brown, Kenneth M., and Green.

Green, George, Houston, Tex. Well packer. 2,595,573, May 6.

Green, George L., Washington, D. C. Fish lure. 2,620,587, Dec. 9.

Green, George P., Lubbock, Tex. Road machine. 2,601,277, June 24.

Green Giant Company, assignee: *See*—
Barnard, John D., and Leverson.

Green, Gwylam G., Pendleton, Oreg. Rock drill bit. 2,602,639, July 8.

Green, Hortense B., White Plains, and S. B. Gaines, Larchmont, N. Y. Combined vanity or make-up case and support therefor. 2,597,473, May 20.

Green, Irvin B., Danville, Va. Shuttle guard. 2,596,545, May 13.

Green, Irving, New York, N. Y. Revolving pillar shell. 2,598,906, June 3.

Green, Isaac H. C., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,588,718, Mar. 11.

Green, Jesse W., assignor of one-half to F. R. Wigely, Phoenix, Ariz. Beehive with ventilating ends. 2,593,296, Apr. 15.

Green, John D. F., assignor to Pye Limited, Cambridge, England. Suspension arrangement for cathode-ray tubes. 2,623,095, Dec. 23.

Green, Lee B., Lakewood, Ohio. Single and multiple bend tangent bending machine. 2,596,848, May 13.

Green, Nathaniel P., University City, P. A. Barrett, Kirkwood, Mo., and E. L. Bass, Tulsa, Okla., assignors to Water Cooling Equipment Co., St. Louis County, Mo. Drift eliminator. 2,583,171, Jan. 22.

Green, Paul C., assignor to Hub City Iron Company, Aberdeen, S. Dak. Spline adapter coupler. 2,587,838, Mar. 4.

Green, Philip, Seabrook, N. H., assignor to James W. Gardner, Tyrone, Pa. Peanut blanching machine. 2,605,797, Aug. 5.

Green, Robert H., assignor, by mesne assignments, to The Otto Konigslow Mfg. Co., Cleveland, Ohio. Electrically heated paint removing tool. 2,613,310, Oct. 7.

Green, Robert L., Schenectady, N. Y., assignor to General Electric Company. Applying a vitreous coating composition to a glass base and article resulting therefrom. 2,588,920, Mar. 11.

Green, Robert N., New York, N. Y. Fastener device. 2,599,105, June 3.

Green, Robert P., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Seismic surveying. 2,594,767, Apr. 29.

Green, Russell B.: *See*—
Boyd, Thomas, and Green.

Green, Spencer: *See*—
Fonseca, Evelyn C. M. D., and Green.

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Slurry type liquid treating apparatus and process. 2,580,761, Jan. 1.

Green, Walter H., Batavia, and A. A. Kalinske, Elmhurst, assignors to Infilco Incorporated, Chicago, Ill. Sewage treating process. 2,613,180, Oct. 7.

Green, Walter H., Geneva Township, Kane County, and A. A. Kalinske, Elmhurst, assignors to Infilco Incorporated, Chicago, Ill. Treatment of oily waste water. 2,613,181, Oct. 7.

Green, William T., assignor to Double Seal Ring Company, Fort Worth, Tex. Sealing ring. 2,590,961, Apr. 1.

Greenawalt, Elmer J., Alliance, assignor to American Steel Foundries, Chicago, Ill. Fifth wheel handle. 2,581,254, Jan. 1.

Greenbaum, Arthur, Revere, assignor to American Biltrite Rubber Co. Inc., Stoughton, Mass. Trimming machine. 2,609,046, Sept. 2.

Greenberg, Elbert E., and A. H. Feibel, Cincinnati, Ohio, and W. L. Todd, New Smyrna Beach, Fla., assignors to The Kelly-Koett Manufacturing Co., Covington, Ky. X-ray apparatus. 2,582,776, Jan. 15.

Greenberg, Emanuel M., New York, N. Y. Nozzle in the form of cervical caps. 2,616,421, Nov. 4.

Greenberg, George, Brooklyn, N. Y. Bobbin winder protector for sewing machines. 2,583,482, Jan. 22.

Greenberg, Hymen, Chicago, Ill. Removable runway. 2,594,425, Apr. 29.

Greenberg, Morris, Brooklyn, and C. S. Lefferdink, Westchester, N. Y., assignors to Metalmasters, Inc., East Orange, N. J. Iron holder or the like. 2,584,011, Jan. 29.

Greenberg, Morris U.: *See*—
Melamed, Louis, Greenberg, and Swartzman.

Greenberg, Otto W., Ocean City, N. J. Tool driving means and control therefor. 2,598,253, May 27.

Greenberg, Robert L.: *See*—
Guggenheim, Max M., and Greenberg.

Greene, Alphus, Twin Falls, Idaho. Rotatable turn indicating signal. 2,596,849, May 13.

Greene, Benjamin N.: *See*—
Greene, Samuel L., and B. N.

Greene, Benjamin N., Miami Beach, Fla. Combination shower stool and drain fitting. 2,611,135, Sept. 23.

Greene, Charles R.: *See*—
Retter, Harry R., and Greene.

Greene, Chester W.: *See*—
Walsh, John E., and Greene.

Greene, Claude E., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Turret lathe. 2,587,312, Feb. 26.

Greene, Claude E., Sidney, Ohio, assignor to The Monarch Machine Tool Company. Electric control system 2,609,524, Sept. 2.

Greene, Claude E., and R. B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company. Constant surface speed lathe. 2,600,988, June 17.

Greene, Claude E., and R. B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company. Pattern tracer assembly. 2,608,896, Sept. 2.

Greene, David H., Los Angeles, Calif., assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Fluid flowmeter. 2,581,588, Jan. 8.

Greene, De Witt T., Brunswick, Ga. Vegetable pod opener and sheller. 2,621,659, Dec. 16.

Greene, Donald L., Reading, Pa., and C. A. Badeau, Westfield, assignors to The Thomas & Betts Co., Elizabeth, N. J. Grounding system. 2,623,089, Dec. 23.

Greene, Frank S., Cleveland Heights, Ohio. Cyclic progression game table set. 2,585,380, Feb. 12.

Greene, George F.: *See*—
Scott, Benjamin B., and Greene.
Scott, Benjamin B., Greene, and Valentine.

Greene, Haskell M., Whittier, Calif. Oil well cementing. 2,591,807, Apr. 8.

Greene, Henry G., assignee: *See*—
Konikoff, Harry.

Greene, Howard E., Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable rate spring suspension. 2,582,426, Jan. 15.

Greene, John A., Harrison, Ark. Razor blade holder frame. 2,595,247, May 6.

Greene, Leonard M., Scarsdale, N. Y. Airplane warning system. 2,611,810, Sept. 23.

Greene, Norman, New York, N. Y. Resilient walled supply container with connected measuring trap chamber. 2,599,446, June 3.

Greene, Otto W., Brighton, assignor to The Pfaudler Co., Rochester, N. Y. Corrosion resisting safety valve. 2,595,671, May 6.

Greene, Robert L., Westfield, N. J., assignor to Standard Oil Development Company. Reduction of corrosion in solvent dewaxing plants. 2,608,518, Aug. 26.

Greene, Samuel L., Waterbury, Conn., and B. N. Greene, Miami Beach, Fla. Table cover and tray. 2,608,842, Sept. 2.

Greener, Derrick: *See*—
Naylor, Joseph F., and Greener.

Greenewald, Herbert, Jr., Haddonfield, N. J. Mold composition for precision casting and forming mold. 2,586,814, Feb. 26.

Greenfield, Charles, River Edge, N. J. Separating the components of a mixture of fats and oils. 2,619,421, Nov. 25.

Greenfield, Eugene W., Hastings-on-Hudson, and A. E. Widmer, Ossining, N. Y., assignors to Anaconda Wire and Cable Company. High impedance shielded twin conductor cable. 2,614,172, Oct. 14.

Greenfield Tap and Die Corporation, assignee: *See*—
Watson, John.

Greenfield, Walter H., Philadelphia, Pa. Rail track heater. 2,585,648, Feb. 12.

Greenhalgh, Milton S.: *See*—
Spooner, David C., Jr., and Greenhalgh.

Greenhut, Joseph, University Heights, Ohio. Centrifugal speed responsive device with spring support. 2,616,682, Nov. 4.

Greenidge, Luis, New York, N. Y. Carrot cutter. 2,614,324, Oct. 21.

Greening, Gloria R.: *See*—
Kumins, Charles A., and Greening.

Greening, Paul, assignee: *See*—
Funk, Lewis D.

Greening, Standlee, Norwalk, Calif., assignor to Agro Phosphate Company. Double float-valve device. 2,602,464 July 8.

Greening, Standlee, Norwalk, Calif., assignor to Agro Phosphate Company. Diaphragm type of pressure regulator. 2,623,331, Dec. 30.

Greenland, Leonard S., Weston-Super-Mare, assignor to H. M. Hobson Limited, London, England. Fuel supply system for internal-combustion engines. 2,604,756, July 29.

Greenland, Leonard S., Weston-super-Mare, assignor to H. M. Hobson Limited, London, England. Turboprop control. 2,616,507, Nov. 4.

Greenleaf, Francis D., Oaklyn, N. J., assignor to Radio Corporation of America. Electrical conversion network. 2,612,630, Sept. 30.

Greenleaf, Leland B., Elkhart, and E. F. Swanson, Bristol, assignors to C. G. Conn., Ltd., Elkhart, Ind. Keyboard construction. 2,612,812, Oct. 7.

Greenleaf, Nathaniel B., and L. C. Webster, Toronto, Ontario, Canada, assignors to Sponge Products Corporation, Chicago, Ill. Sponge element and backing therefor for removable attachment to a mophead. 2,594,553, Apr. 29.

Greenleaf, Robert M., Grosse Pointe, Mich., assignor to M. L. Trust, F. R. Pendleton, Everett, Wash., as trustee. Device for checking alignment of vehicle wheels. 2,582,427, Jan. 15.

Greenleaf, Walter J., Meadville, Pa. Cutting tool. 2,623,272, Dec. 30.

Greenlee, Harry R., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Torque limiting clutch mechanism. 2,595,454, May 6.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide resins. 2,582,985, Jan. 22.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Amine-epoxide compositions. 2,585,115, Feb. 12.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Amide-epoxide compositions, etc. 2,589,245, Mar. 18.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Resinous compositions. 2,591,539, Apr. 1.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Polyepoxide compositions. 2,592,560, Apr. 15.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide resins. 2,615,007, Oct. 21.

Greenlee, Sylvan O., Racine, Wis., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide resin compositions. 2,615,008, Oct. 21.

Greenlee, Theodore K., assignor to Barber-Colman Company, Rockford, Ill. Condition regulating apparatus. 2,616,013, Oct. 28.

Greenless James W., Conway, Mich. Adjustable chair and seat. 2,595,354, May 6.

Greenlief, Jasper, Camden, Ill. Material handling machine. 2,598,685, June 3.

Greenly, Kenneth H.: *See*—
Cowdrey, Cecil L., and Greenly.

Greenough, Henry B.: *See*—
Cutler, Wallace M., Greenough, and Kant.

Green's Eye Hospital, assignee: *See*—
Kadesky, David.

Greensfelder, Bernard S.: *See*—
Good, George M., and Greensfelder.

Greensfelder, Elmer L., Provincetown, Mass. Cover rack. 2,600,755, June 17.

Greenshields, Robert O., Detroit, Mich., assignor to The Budd Company. Plowshare manufacture. 2,593,139, Apr. 15.

Greenshields, Robert O., Detroit, O. E. Schmidt, Grosse Pointe Woods, and J. G. Kay, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Apparatus for forming drop-center rims. 2,586,029, Feb. 19.

Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Shock-absorbing suspension for instruments or the like. 2,595,135, Apr. 29.

Greensmith, Denis E. B.: *See*—
Shaw, Clifford, Smith, and Greensmith.

Greenspan, Frank P., Amherst, and D. G. MacKellar, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Stabilization of dilute solutions of aliphatic acids. 2,590,856, Apr. 1.

Greenspan, Frank P., Buffalo, and D. G. MacKellar, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Stabilization of peracids with dipicolinic acid. 2,609,391, Sept. 2.

Greenstein, Jesse P.: *See*—
Levintow, Leon, and Greenstein.

Greenville Steel and Foundry Company, assignee: *See*—
Dameron, Henry A.

Greenwald, Bertrand W., Pawhuska, and W. B. Hughes, Barnsdall, assignors to Cities Service Oil Company, Bartlesville, Okla. Production of paraformaldehyde. 2,593,669, Apr. 22.

Greenwald, Edmund: *See*—
Wenzel, Walter, and Greenwald.

Greenwald, Harry, Blauvelt, assignor to Robco Corporation, New York, N. Y. Coin meter with set cycle. 2,583,332, Jan. 22.

Greenwald, Harry, Blauvelt, assignor to Robco Corporation, New York, N. Y. Coin meter with reset switch cam. 2,583,333, Jan. 22.

Greenwaldt, Herbert W., assignee: *See*—
Kounkel, Lloyd M.

Greenwell, Howard E.: *See*—
Bilharts, Harrell L., Greenwell and Davis.

Greenwood, Dorothea E., Lake Worth, Fla. Ornamental cover for hearing aids. 2,595,672, May 6.

Greenwood, Ivan A., Jr., Pleasantville, and E. B. Hales, Mount Kisco, N. Y., assignors to General Precision Laboratory Incorporated. Light amplifier. 2,605,335, July 29.

Greenwood, Robert I.: *See*—
Harder, Edwin L., Stringer, Moore, and Greenwood.

Greenwood, Ted L., Portland, Oreg. Base stand. 2,592,561, Apr. 15.

Greer, Archibald: *See*—
Sands, William J., and Greer.

Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Pilot for vaporizing burners. 2,602,495, July 8.

Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Draft regulator. 2,619,286, Nov. 25.

Greer, Edward M., West Hempstead, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Hydraulic accumulator. 2,604,118, July 22.

Greer, Edward M., West Hempstead, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Pump testing apparatus. 2,612,777, Oct. 7.

Greer, Edward M., West Hempstead, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Automobile hydraulic system. 2,622,400, Dec. 23.

Greer, Edward M., West Hempstead, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Electrohydraulic door operating system. 2,623,358, Dec. 30.

Greer, Edward M., West Hempstead, and J. Mercier, New York, N. Y.; said Greer assignor to said Mercier. Fluid-operated power system. 2,583,295, Jan. 22.

Greer, Edward M., West Hempstead, and J. Mercier, New York, said Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Hydraulic system for power-operated hatch covers. 2,595,248, May 6.

Greer Hydraulics, Inc., assignee: *See*—
Greer, Edward M.
Greer, Edward M., and Mercier.

Greer, John E., Radford, Va., and R. W. Lawrence, assignors to Hercules Powder Company, Wilmington, Del. Manufacture of ammonium nitrate. 2,619,405, Nov. 25.

Greer, John J., Warwick Neck, and S. C. Greer, Warwick, R. I. Wrench having pivotable jaws cammed by pivoting handle. 2,594,154, Apr. 22.

Greer, Samuel C.: *See*—
Greer, John J., and S. C.

Greeson, Orion S., Elizabeth, N. J. Multiple switch unit with interdependent switching mechanisms operating at different rates. 2,587,143, Feb. 26.

Greeson, Orion S., Elizabeth, N. J. Sequential switch release mechanism. 2,587,144, Feb. 26.

Greeson, Orion S., Elizabeth, N. J. Plug and receptacle. 2,610,266, Sept. 9.

Greffe, Leo, Windsor, Ontario, Canada. Folding basket. 2,594,153, Apr. 22.

Grega, Mike, Honolulu, Territory of Hawaii. Time chart. 2,587,615, Mar. 4.

Greger, Herbert H., Rockville, Md. Plastic refractory. 2,619,426, Nov. 25.

Gregg, Carl W., McFarland, Calif. Garment support. 2,617,567, Nov. 11.

Gregg, David D., and P. N. Smith, assignors to The Tappan Stove Company, Mansfield, Ohio. Liquid dispensing gun. 2,607,627, Aug. 19.

Gregg, Edward B., assignee: *See*—
Maize, James A.

Gregg, Russell W., Massillon, Ohio. Hydrokinetic turbine torque converter. 2,585,309, Feb. 12.

Gregoire, Jean A., Paris, France. Control device for change-speed gears. 2,593,297, Apr. 15.

Gregoire, Jean A., Paris, France. Suspension means for vehicles. 2,616,686, Nov. 4.

Gregoire, Resta S., Detroit, Mich. Oil seal. 2,590,696, Mar. 25.

Gregor, Frank J.: *See*—
Read, Robert C., and Gregor.

Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cylinder construction for cooling valve seat inserts. 2,600,529, June 17.

Gregory, Cecilia D.: *See*—
Locks, Martha M., and Gregory.

Gregory, Douglas W., Vergennes, Vt., and E. R. Baldassare, New York, assignors to Simmonds Aerocessories, Inc., Tarrytown, N. Y. Spark plug. 2,604,087, July 22.

Gregory, Eugene J., Seattle, Wash. Guide and routing device for portable woodworking machines. 2,587,994, Mar. 4.

Gregory, Eugene J., Seattle, Wash. Magnetic weatherstrip assembly for thresholds. 2,611,158, Sept. 23.

Gregory, Francis M., assignee: *See*—
McDonald, Taylor M.

Gregory, Harry R., assignor of one-half to S. Boyles, San Diego, Calif. Heat exchanger for reheating of precooked foods. 2,620,789, Dec. 9.

Gregory Industries, Inc., assignee: *See*—
Nelson, Ted.

Gregory, James, G. A. R. Foster, and H. Catling, Didsbury, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Machine for doffing spinning and like machines. 2,601,386, June 24.

Gregory, James N.: *See*—
Bates, William F., Gregory, and Curry.
Bates, William F., Gregory, and Penfield.

Gregory, James N., Fullerton, assignor to Shell Development Company, San Francisco, Calif. Sampling sub with removable cutting collector. 2,613,916, Oct. 14.

Gregory, James N., La Habra, assignor to Shell Development Company, San Francisco, Calif. Apparatus for unloading equipment. 2,614,710, Oct. 21.

Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 2-mercapto thiazoles. 2,603,647, July 15.

Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 2-mercapto thiazoles. 2,603,648, July 15.

Gregory, James T., Cuyahoga Falls, and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Sulfur-containing polycarboxylic acids. 2,602,815, July 8.

Gregory, James T., Cuyahoga Falls, and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparing sulfur-containing carboxylic acids. 2,602,816, July 8.

Gregory, Michael C.: *See*—
Rust, Nöel M., and Gregory.

Gregory Motors, Inc., assignee: *See*—
Quick, Frederick A.

Gregory, William E.: *See*—
Clarke, John S., Gregory, and Gerrard.

Gregson, Frank, Jonesboro, Ark. Stump saw angling beam and self-propelling and steering attachment. 2,613,698, Oct. 14.

Greibach, Emil H., New Rochelle, N. Y. Soldering iron. 2,619,576, Nov. 25.

Greider, Harold W.: *See*—
Fasold, George A., and Greider.

Greider, Harold W., Wyoming, and G. A. Fasold, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company. Mineralized bituminous roofing. 2,610,928, Sept. 16.

Greif Bros. Cooperage Corporation, The, assignee: *See*—
Stuewe, Clarence C.

Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrical recording. 2,619,401, Nov. 25.

Greig, James W., and A. P. Fletcher, assignors to Woodall Industries, Inc., Detroit, Mich. Sun visor. 2,596,397, May 13.

Greig, John H.: *See*—
McVay, Millard S., and Greig.

Greig, John H., Washington, D. C. Electronic lobing. 2,597,862, May 27.

Greiner, Anton F., Detroit, Mich. Universal joint. 2,597,240, May 20.

Greiner, Emil Company, The, assignee: *See*—
Gilmont, Roger.

Greiner, Norman S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Composition for and method of producing coated cement surfaces and the product resulting therefrom. 2,588,828, Mar. 11.

Greissinger, Georg, Stuttgart-Vaihingen, Germany. Artificial foot with ankle-joint. 2,620,485, Dec. 9.

Greist Manufacturing Company, The, assignee: *See*—
Baehr, Carl G., and Russell.
Burgess, Robert W.
Burgess, Robert W., Baehr, and Connors.

Greist, Raymond L., assignor to Eversharp, Inc., Chicago, Ill. Writing instrument. 2,588,829, Mar. 11.

Greitzer, Meyer, Los Angeles, Calif. Extensible seat for chairs. 2,593,750, Apr. 22.

Greitzer, Meyer, Los Angeles, Calif. Joint for tubular metal furniture. 2,603,513, July 15.

Grenat, John J., assignor to Motor Adapter Corporation, Detroit, Mich. Tool adapted for use as a wrench or as auxiliary handle for other wrenches and tools. 2,605,665, Aug. 5.

Grenda, Joseph, Coldbrook, N. Y. Device for handling mowers. 2,594,426, Apr. 29.

Grenier, Joseph R., and E. W. Dormeyer, Jr., Buffalo, N. Y. Protective closure. 2,580,762, Jan. 1.

Grenier, Joseph W., Giffard, Quebec, Canada. Steering apparatus for sleds. 2,617,659, Nov. 11.

Grenier, Wilfred J., North Rutland, Mass. Wood-heel cupping machine. 2,603,257, July 15.

Grennan, Alfred E., Benton, Kans. Wall mounted toolbox. 2,589,370, Mar. 18.

Grepe, Frederick Y., assignor to Canadian Controllers, Limited, Toronto, Ontario, Canada. Dynamic braking of electric motors. 2,605,454, July 29.

Grepe, Frederick Y., assignor to Canadian Controllers, Limited, Toronto, Ontario, Canada. Magnetic blowout system for high-voltage contactors. 2,622,173, Dec. 16.

Gresham, Claude D.: *See*—
Hoffmann, Ernest, and Gresham.

Gresham, Donald C., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color correction process. 2,600,756, June 17.

Gresham, Harold E., Little Eaton, and D. W. Hall, West Monkseaton, assignors to Rolls-Royce Limited, Derby, England. Aluminum alloy. 2,586,647, Feb. 19.

Gresham, Harold E., Little Eaton, M. A. Wheeler, Darley Abbey, and D. W. Hall, West Monkseaton, assignors to Rolls-Royce Limited, Derby, England. Alloy for heat and corrosion resisting coating. 2,621,122, Dec. 9.

Gresham, Samuel T., Neuse, N. C. Mail delivery vehicle and equipment. 2,620,220, Dec. 2.

Gresham, Thomas L., and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Purification of beta-propiolactone. 2,602,802, July 8.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of ethanolamine. 2,586,325, Feb. 19.

Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Hydrogenation of glycolic acid to ethylene glycol. 2,607,805, Aug. 19.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic hydroxy-containing compounds by reacting alcohols with carbon monoxide and hydrogen. 2,623,906, Dec. 30.

Gresham, William F., and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of amides having tertiary carbon attached to amido nitrogen. 2,601,387, June 24.

Gresham, William F., Wilmington, and M. A. Kubico, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Primary alcohol composition. 2,609,397, Sept. 2.

Gressang, Robert W.: *See*—
Kellen, John J., Jr., Ball, and Gressang.

Gressel, Floyd C.: *See*—
Shultz, Frederick A., Gressel, Hobb, and Kroeger.

Gretener, Edgar, Zurich, Switzerland, assignor to Ciba Products Corporation, Kimberton, Pa. Projection lamp illumination system for lenticulated film. 2,604,813, July 29.

Gretener, Edgar, Zurich, Switzerland. Device for actuating electrical switches. 2,621,266, Dec. 9.

Gretener, Edgar, Zurich, Switzerland. Direct current arc having reflector means superimposing a reverse complementary image on the arc. 2,621,284, Dec. 9.

Gretener, Edgar, Zurich, and K. Ehrat, Baden, Switzerland, said Ehrat assignor to said Gretener. Mechanical torque amplifier. 2,586,941, Feb. 26.

Grether, Lester M., H. A. Turner and F. R. Schweigler, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Hairspring vibrating stand. 2,597,316, May 20.

Grether, Walter F., Dayton, Ohio. Apparatus for testing the coordination of aviators. 2,604,706, July 29.

Grettve, Karl E. L., Lilla Edet, Sweden. Expansible mandrel. 2,621,867, Dec. 16.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,597,863, May 27.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,597,864, May 27.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,597,865, May 27.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,602,072, July 1.

Greuling, Ferdinand W., assignor of forty-nine per cent to W. N. Greuling, El Paso, Tex. Water bag carrier. 2,594,640, Apr. 29.

Greuling, William N., assignee: *See*—
Greuling, Ferdinand W.

Grevich, John J.: *See*—
Humphrey, James M., and Grevich.

Grevich, John J., St. Paul, Minn., assignor, by mesne assignments, to Harris Trust and Savings Bank and W. H. Milsted, as trustees. Combined heat sealing apparatus, code printer, and punch. 2,597,634, May 20.

Grey, George, assignor, by mesne assignments, to H. J. Kurrus, Pawling, N. Y. Packaging apparatus. 2,603,927, July 22.

Grib, Boris F., Brooklyn, N. Y. Continuous facsimile scanner. 2,587,145, Feb. 26.

Gribik, Michael: *See*—
Knasko, Joseph J., and Gribik.

Gridley, Darrin H., Washington, D. C. Data conversion system. 2,597,866, May 27.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Gear hardening machine. 2,582,929, Jan. 15.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Chucking means. 2,613,941, Oct. 14.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Collet. 2,615,721, Oct. 28.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Bar feed means. 2,618,842, Nov. 25.

Grieb, Benjamin C., Chestnut Hill, assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa. Construction of incubators for infants. 2,600,240, June 10.

Griemsmann, John W. E.: *See*—
Weber, Ernest, and Griemsmann.

Grier, J. A., assignee: *See*—
Prather, Graham P.

Grier, Nathaniel, Brooklyn, N. Y., and C. Casalbore, Passaic, assignors to Dar-Syn Laboratories, Inc., Hawthorne, N. J. 8-hydroxyquinolinium di-hydrogen phosphate and preparation. 2,606,189, Aug. 5.

Grier, Verlee P., assignor of one-fourth to H. G. Stowe, Belmont, N. C. Portable fluid operated lifting jack. 2,610,824, Sept. 16.

Gries, Otto, New Rochelle, and L. H. Morin, Bronx, N. Y., said Gries assignor of one-half to Crown Fastener Corporation, Warren, R. I. Freeing and ejecting die castings formed on cores. 2,581,854, Jan. 8.

Grieshaber, Emil, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Combustion chamber for diesel engines. 2,607,326, Aug. 19.

Griesinger, John, Los Angeles, Calif., assignor to The National Marking Machine Company, Cincinnati, Ohio. Typesetting means in laundry listing machine. 2,599,709, June 10.

Griess, Gerald A.: *See*—
Morris, Earl D., and Griess.

Griess, John C., Jr., Oak Ridge, Tenn., and L. B. Rogers, Cambridge, Mass., assignors to the United States of America as represented by the United States Atomic Energy Commission. Selective electrodeposition of silver. 2,612,470, Sept. 30.

Griesser, Fritz, assignor to Rolladenfabrik A. Griesser A.-G., Aadorf, Switzerland. Venetian blind. 2,604,939, July 29.

Griest, Raymond H., Summit, and D. E. Wooldridge, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical computing system. 2,616,625, Nov. 4.

Grieve, George T. W., Shooters Hill, London, assignor to British Insulated Callender's Cables Limited, London, England. Apparatus for drying and/or impregnating electric cables. 2,605,738, Aug. 5.

Grieve, George T. W., Woolwich, London, assignor to British Insulated Callender's Cables Limited, London, England. Controlling the tension in strips of paper, yarn, and other long flexible members when being drawn from a carrier. 2,619,788, Dec. 2.

Grieve, George T. W., Woolwich, London, assignor to British Insulated Callender's Cables Limited, London, England. Tension controlling means for strip material. 2,623,345, Dec. 30.

Grieve, Vernon D., Seattle, Wash. Box and container handle. 2,623,768, Dec. 30.

Griffin, Cecil, Sr., assignee: *See*—
Griffin, Cleo D.

Griffin, Cecil M., Pittsburgh, Pa. Pantograph machine tool. 2,600,402, June 17.

Griffin, Cecil M., Pittsburgh, Pa. Grinding wheel dresser. 2,614,552, Oct. 21.

Griffin, Charles S., Memphis, Tenn. Adjustable carrier device. 2,599,824, June 10.

Griffin, Cleo D., assignor of fifty per cent to C. Griffin, Sr., Havana, Ill. Adjustable gate support. 2,596,850, May 13.

Griffin, Dan C.: *See*—
Keene, Edward L., and Griffin.

Griffin, David D., Richmond, Calif. Grapefruit dish. 2,611,252, Sept. 23.

Griffin, Edward, assignee: *See*—
Troop, Martin.

Griffin, George G., Rome, Ga. Meter box and cover therefor. 2,594,012, Apr. 22.

Griffin, Grant C., McMasterville, Quebec, and W. G. Ivany, James Island, British Columbia, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Packing machine for powder materials. 2,600,530, June 17.

Griffin, Hammond J.: *See*—
Noel, Louis P., Griffin, and De Moss.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Folding clothes drier. 2,598,686, June 3.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Anchoring means for the canopy of a combination sun shade and clothes drier. 2,598,687, June 3.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Combination sunshade and clothes drier. 2,599,513, June 3.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Combination sunshade and clothes drier. 2,616,570, Nov. 4.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Combination sunshade and clothes drier. 2,616,571, Nov. 4.

Griffin, Harry L., Rockville Centre, N. Y., assignor to The Nestlé Company, Inc. Apparatus for filling containers. 2,604,780, July 29.

Griffin, James J., Owosso, Mich., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Two-hand fluid pressure control of power machinery. 2,598,907, June 3.

Griffin, John W., Cleveland, assignor to R. Luntz, Shaker Heights, and S. S. Lazarus, North Canton, Ohio. Repairman's creeper. 2,595,783, May 6.

Griffin, John W., Cleveland, and S. S. Lazarus, Canton, said Griffin assignor to R. Luntz, Shaker Heights, Ohio. Repairman's creeper. 2,595,784, May 6.

Griffin, Joseph C., Branford, Fla. Transplanter attachment. 2,584,012, Jan. 29.

Griffin, Joseph F., Hammond, Ind., assignor, by mesne assignments, to American Throttle Company, Inc., New York, N. Y. Protective device for remote-control systems. 2,589,371, Mar. 18.

Griffin, Kearney P.: *See*—
Lowe, Wesley G., and Griffin.

Griffin, Lindsay L., Jr.: *See*—
Nicholson, Edward W. S., and Griffin.

Griffin, Richard S., Glendale, Calif. Device for determining the axis of rotation of rotatable elements. 2,580,674, Jan. 1.

Griffin, Thomas W., Wentogue, Conn., assignor to Emhart Manufacturing Company. Forehearth roof structure. 2,616,380, Nov. 4.

Griffin, Thomas W., Weatogue, Conn., assignor to Emhart Manufacturing Company. Glass feeder spout heating structure. 2,623,330, Dec. 30.

Griffin, William C., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Lanolin products. 2,608,563, Aug. 26.

Griffin, William C., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Compositions derived from beeswax. 2,612,509, Sept. 30.

Griffing, W. C., Incorporated, assignee: *See*—
Griffing, William C., and Hodshon.

Griffing, William C., Danbury, Conn., and A. E. Hodshon, Lahaska, Pa., assignors to W. C. Griffing, Incorporated, Danbury, Conn. Machine for finishing hats. 2,615,599, Oct. 28.

Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Supersonic aircraft and wing structure therefor. 2,584,198, Feb. 5.

Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Gas turbine with fluid-driven auxiliary drive. 2,612,020, Sept. 30.

Griffith, Earl G., Los Angeles, Calif. Mechanism for aligning boxes in a stack. 2,602,554, July 8.

Griffith, Esther M., Bloomington, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyeing of acrylonitrile polymers using potassium ions. 2,598,120, May 27.

Griffith, Everette E., and L. E. Clark, Los Angeles, assignors to Technicolor Motion Picture Corporation, Hollywood, Calif. Forming sensitive record track on cinematographic film. 2,595,136, Apr. 29.

Griffith, Frederick, Hillman, Mich. Band saw log coping sawing machine. 2,595,073, Apr. 29.

Griffith, Henry L., Eclectic, Ala. Drill guide for door lock recesses. 2,609,021, Sept. 2.

Griffith, Leonard F., Oak Park, and D. K. McIlvaine, Des Plaines, assignors to Henry Valve Company, Incorporated, Chicago, Ill. Check valve. 2,594,641, Apr. 29.

Griffith, Llewellyn B., Austin, Tex. Sewage treatment. 2,616,848, Nov. 4.

Griffith, Paul H., Ardmore, Pa. Holder for fuses and the like. 2,595,939, May 6.

Griffith, Raymond C., Detroit, Mich. Valve. 2,581,855, Jan. 8.

Griffith, Roland K., Schenectady, and H. C. Nelson, Jr., Averill Park, N. Y., assignors to General Electric Company. Plasticized vinyl halide resins and electrical conductors insulated therewith. 2,617,779, Nov. 11.

Griffith, William B., Stone Harbor, N. J. Dry pipe valve. 2,597,474, May 20.

Griffiths, Clyde C., assignor to Whiting Corporation, Harvey, Ill. Vehicle washing apparatus. 2,610,342, Sept. 16.

Griffiths, Edgar J., Pittsburgh, Pa. Unit type filter. 2,602,548, July 8.

Griffiths, Frederick J., Massillon, Ohio. Treatment of molten steel. 2,581,097, Jan. 1.

Griffiths, George G., New Bedford, Mass. Latch retracting device for doors. 2,588,108, Mar. 4.

Griffiths, George T.: *See*—
Braun, Karl F., and Griffiths.

Griffiths & Sprague Stevedoring Co., assignee: *See*—
Le Fevre, William F., Jr.

Griffon, Claudius, St.-Etienne, France. Hydropneumatic flush tank with float outlet valve. 2,589,691, Mar. 18.

Grigg, John R.: *See*—
Galliano, John B., and Grigg.

Griggs, David T., Washington, D. C., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. System for guiding airplanes in flight. 2,587,995, Mar. 4.

Griggs, Ernest L., Jr.: *See*—
Duncan, William L., and Griggs.

Griggs, Ernest L., Jr., Waynesboro, and E. F. Taylor, Staunton, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning device. 2,605,555, Aug. 5.

Griggs, Nelson S., Shelburne, Vt., assignor to Specialties Development Corporation, Belleville, N. J. Fire-extinguishing apparatus. 2,580,419, Jan. 1.

Griggs, Osborne E., assignee: *See*—
Wahlbom, Ernest T.

Grigsby, Robert H., St. Charles, Va. Fishing rod tender. 2,621,877, Dec. 16.

Grigsby, William E.: *See*—
Gresham, William F., and Grigsby.

Grigsby-Allison Company, Inc., assignee: *See*—
Allison, Kenneth C.

Grikscheit, Henry W., Detroit, Mich. Switch actuating mechanism. 2,593,670, Apr. 22.

Grill, Hans: *See*—
Stahlecker, Wilhelm, and Grill.

Grilley, Edmund S., assignor to Hobbs Manufacturing Company, Fort Worth, Tex. Folding front section for trailer bodies. 2,583,643, Jan. 29.

Grillot, Kenneth A.: *See*—
McNeill, Francis R., Grillot, and Abel.

Grills, Roy E., Memphis, Tenn. Power-operated meat saw. 2,621,693, Dec. 16.

Grim, John M., assignor to Koppers Company, Inc., Pittsburgh, Pa. Suspension polymerization employing phosphates of submicronic particle size. 2,594,913, Apr. 29.

Grimaldi, David, Crystal Lake, N. J. Pipe cutter. 2,622,323, Dec. 23.

Grimball, Burmain A., Charleston, S. C. Combined cane and crutch. 2,590,607, Mar. 25.

Grimble, Robert W.: *See*—
Barnhart, George, and Grimble.

Grimes, Clarence W.: *See*—
Lake, Harry F., and Grimes.

Grimes, Ivan A., Woodston, Kans. Foldable basket carrier. 2,583,644, Jan. 29.

Grimes, Louis M., Chicago, Ill. Making embossed pressure-sensitive tape. 2,596,546, May 13.

Grimes, Louis M., Chicago, Ill. Method and apparatus for making thermoplastic tubing. 2,607,078, Aug. 19.

Grimley, David, Kansas City, Mo. Screw and nut mechanism. 2,592,889, Apr. 15.

Grimm, Albert C., Lancaster, Pa., assignor to Radio Corporation of America. Beam type electron tube. 2,615,138, Oct. 21.

Grimm, Albert C., and A. P. Sweet, Jr., Lancaster, Pa., assignors to Radio Corporation of America. Electron discharge device and associated circuit. 2,599,629, June 10.

Grimm, Harry H., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Oscillator. 2,589,246, Mar. 18.

Grimm, Joseph A., Milwaukee, Wis. Machine for cutting mock chicken legs. 2,609,564, Sept. 9.

Grimm, Richard J., Whitesboro, assignor to St. Regis Paper Company, New York, N. Y. Making coated paper moisture resistant. 2,617,743, Nov. 11.

Grimmel, Harry W., Providence, R. I., L. Richter, Easton, Pa., and J. F. Morgan, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Monoazo dyestuffs. 2,598,661, June 3.

Grimmel, Harry W., Riegelsville, and H. H. Bestehorn, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Metallized ortho-hydroxy monoazo dyestuffs. 2,602,080, July 1.

Grimod, Yves A., assignor to Society "La Precision Mecanique," S. A., Paris, France. Fuel injection pump for internal-combustion engines. 2,582,539, Jan. 15.

Grimshaw, Charles S., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,622,405, Dec. 23.

Grimshaw, Emile, London, England. Electrical pickup for string instruments. 2,581,653, Jan. 8.

Grimshaw, Robert S., Detroit, Mich. Ornamental fixture. 2,592,684, Apr. 15.

Grimsley, Leopold C., assignor to H. Hyman, New York, N. Y. Shock absorber assembly for portable electric flashlights. 2,605,316, July 29.

Grimson, Samuel B., New York, N. Y., assignor to Color Research Corporation, Dover, Del. Coating head. 2,598,908, June 3.

Grimston, Francis B. S., Bideford, North Devon, England. Folding boat. 2,600,757, June 17.

Grindrod, George, Oconomowoc, Wis. Producing cacao-milk beverage material. 2,589,801, Mar. 18.

Grine, Charles F., Saegertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal relay. 2,605,308, July 29.

Gringer, Rose, assignee: *See*—
Fordon, William J.

Grinley, Anton K., St. Paul, Minn. Miniature combination wind sock and anemometer. 2,617,298, Nov. 11.

Grinling, Patrick H., Coneyhurst, Ewhurst, England. Secateur embodying a wire cutter. 2,618,850, Nov. 25.

Grinnell Corporation, assignee: *See*—
Loepsinger, Albert J.
Rouverol, William S.
Williams, James H.

Grinstead, Sanford R.: *See*—
Ramsbottom, John M., Grinstead, and Aalseth.

Grinstead, Sanford R., Whiting, Ind., assignor to Swift & Company, Chicago, Ill. Vacuum packaging of meat. 2,623,826, Dec. 30.

Grip, Erik: *See*—
Toorell, Sture, and Grip.

Grip, Erik K., assignor to Aktiebolaget Atvidaberg-Facit, Atvidaberg, Sweden. Successively operated independent actuator tens transfer mechanism. 2,591,064, Apr. 1.

Grip Nut Company, assignee: *See*—
Abbott, Gail C.

Griplock, Inc., assignee: *See*—
Embree, Harold K.
White, Ernest.

Grisanti, Amedeo, Mount Vernon, N. Y. Waist grip belt strap. 2,589,802, Mar. 18.

Griscom-Russell Company, assignee: *See*—
Miller, Neil B.
Stadler, Walter L.

Griscom Russell Company, The, assignee: *See*—
Ris, Kenneth B.

Grisdale, George L., Great Baddow, Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Overload protection device for electrical instruments. 2,584,800, Feb. 5.

Grisdale, George W., Jr., Ephrata, Pa., assignor, by mesne assignments, of one-fourth to L. H. Kessler, one-fourth to Norman H. Kessler, one-fourth to Nellie H. Kessler, and one-fourth to H. F. Derrick. Protective mechanism for rotating machinery. 2,597,635, May 20.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pump control mechanism for liquid dispensing apparatus of the predeterminer type. 2,583,483, Jan. 22.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Automatic shutoff valve and signal for hose nozzles. 2,587,839, Mar. 4.

Grise, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air separator for liquids. 2,592,685, Apr. 15.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Separator for removing water from gasoline. 2,597,475, May 20.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Priming means for centrifugal pumps. 2,612,844, Oct. 7.

Grisenthwaite, Arthur T., and G. H. I. Cruse, assignors to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Charging device for kilns. 2,600,053, June 10.

Griser, Lawrence: *See*—
Williams, Eda, and Griser.

Griset, Ernest J., Jr., Asheville, assignor to American Enka Corporation, Enka, N. C. Threading-in on a reel. 2,617,603, Nov. 11.

Grishman, Simon, Yonkers, N. Y. Adjustable strap buckle. 2,586,159, Feb. 19.

Grismore, Martin R., Pandora, Ohio. Wheel adjuster. 2,591,253, Apr. 1.

Grissinger, Daniel D., Wellington, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Flasher type traffic signal. 2,604,523, July 22.

Grissinger, George G., Wilkinsburg, T. Lindstrom, Edgewood, and J. Sandin, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter trip device. 2,586,326, Feb. 19.

Griswold, Augustus W., assignor, to Taylor Instrument Companies, Rochester, N. Y. Control system for an automotive type of pumper. 2,609,755, Sept. 9.

Griswold, Dale G.: *See*—
Griswold, Sherwin B. and D. G.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Power-operated check valve. 2,602,467, July 8.

Griswold, Donald G., Alhambra, Calif. Liquid separation apparatus. 2,609,099, Sept. 2.

Griswold, Donald G., Alhambra, Calif. Backflow prevention device. 2,620,816, Dec. 9.

Griswold, Donald G., El Monte, Calif. Pilot controlled gate and by-pass valve. 2,619,110, Nov. 25.

Griswold, Donald G., San Marino, Calif. Liquid proportioning and spraying apparatus. 2,590,007, Mar. 18.

Griswold, Donald W., Oberlin, and H. N. Ricket, assignors to The American Specialty Company, Amherst, Ohio. Apparatus for processing food stock. 2,580,420, Jan. 1.

Griswold, Owen H., Ridgewood, N. J. Filler cap for gasoline tanks. 2,611,503, Sept. 23.

Griswold, Sherwin B. and D. G., Newton, Kans. Vehicle suspension. 2,581,528, Jan. 8.

Griswold, Stanley M., Newton, assignor to B. B. Chemical Co., Boston, Mass. Welt insole. 2,623,306, Dec. 30.

Grivei, Armand C., and A. H. Pilling, assignors to Richmond Screw Anchor Co., Inc., New York, N. Y. Concrete reinforcement anchorage. 2,593,022, Apr. 15.

Grivet, Pierre, and F. Bertein, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Correction device for microscopes of the reflection mirror type. 2,580,675, Jan. 1.

Grizzard, Earle D.: *See*—
Adams, Arthur R., Grizzard, and Collar.

Grizzard, Earle D., and F. R. Collar, Los Angeles, and J. C. Mitchell, La Crescenta, assignors to Adams Rite Manufacturing Company, Glendale, Calif. Anchor for cargo tie-down devices. 2,614,871, Oct. 21.

Groak, Josef, London, England. Printing. 2,616,961, Nov. 4.

Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Making pile fabrics. 2,590,608, Mar. 25.

Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Weaving pile fabrics. 2,604,120, July 22.

Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Weaving pile fabrics. 2,609,839, Sept. 9.

Groat, Francis P., and H. W. Hill, assignors to The Magee Carpet Company, Bloomsburg, Pa. Pile wire. 2,590,609, Mar. 25.

Groat, Lucien C., Canton, Ill. Overload release coupling for electrically driven earth augers. 2,609,674, Sept. 9.

Grob Brothers, assignee: *See*—
Noll, Herman R.

Grob, Cyril, Basel, assignor to Haco-Gesellschaft A. G., Gumligen (Ct. Berne), Switzerland. Manufacture of 5-keto-1 :3 :4 :5-tetrahydrobenz - (cd) - indol. 2,621,186, Dec. 9.

Grob, Merle L., Peoria, Ill. Can holder and punch. 2,601,939, July 1.

Groban, Sidney I.: *See*—
Rubenstein, Robert, and Groban.

Grober, Norman, New York, N. Y. Nightgown. 2,601,278, June 24.

Grobey, Paul A.: *See*—
Gates, Hesslar H., and Grobey.

Grobl, Jon E.: *See*—
Hopkins, George W., and Grobl.

Grobl, Jon E., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Keyboard key. 2,615,547, Oct. 28.

Groebe, John L., and J. T. Karbosky, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of gaseous hydrocarbon material streams. 2,598,785, June 3.

Groeger, Alfred H., New Hyde Park, assignor to Kason Hardware Corporation, Brooklyn, N. Y. Adjustable keeper. 2,592,274, Apr. 8.

Groen, Willem: *See*—
Grondahl, Henrik, and Groen.

Groen, Willem, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Dual table automatic shaper. 2,603,256, July 15.

Groen, Willem, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Motor brake control. 2,615,153, Oct. 21.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Orbital lathe tool feeding mechanism. 2,612,069, Sept. 30.

Groenenberg, Maarten J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tuning apparatus for radio receivers and the like. 2,582,380, Jan. 15.

Groenendyke, Goethe M., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismic prospecting system. 2,590,530, Mar. 25.

Grogan, Austin J., Los Angeles, Calif. Cartridge loading device. 2,592,415, Apr. 8.

Grogan, Edward B., Columbus, Ohio. Simulated golf game. 2,618,482, Nov. 18.

Grolée, Jean, Paris, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Igneous electrolysis cell. 2,593,751, Apr. 22.

Grolitzer, Beatrice, Los Angeles, Calif. Panty girdle construction. 2,591,423, Apr. 1.

Grönberg, Anton B., Attum, Sweden. Grain grinding mill with adjustable nonrotary member. 2,606,722, Aug. 12.

Gronberg, Victor A.: *See*—
Jones, James R., Bloomstran, and Gronberg.

Grondahl, Henrik, and W. Groen, assignors to Onsrud Machine Works, Inc., Chicago, Ill. Automatic shaping attachment. 2,603,258, July 15.

Grondona, Valentin D., Rosario, Argentina. Topographical range recorder. 2,618,067, Nov. 18.

Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J., assignors to Owens-Illinois Glass Company, Toledo, Ohio. Dispensing device for dispensing liquids, semi-liquids, and powders. 2,585,381, Feb. 12.

Gronemeyer, George E., Wilmington, Del. Thermal insulation. 2,613,166, Oct. 7.

Gronlund, Ernst H., assignor to Electrolunch Co., Algonac, Mich. Lunch box. 2,585,310, Feb. 12.

Grönning, Carl: *See*—
Borck, Alfred G., and Grönning.

Grönroos, Hugo A., Stallarholmen, assignor of one-half to O. W. Hacklin, Stockholm, Sweden. Manufacturing brick from nonrefractory raw clay. 2,585,116, Feb. 12.

Groombridge, Walter H., and W. Hunter, Spondon, England, assignors to Celanese Corporation of America. Manufacture of cyanides. 2,586,030, Feb. 19.

Groombridge, Walter H., and W. Hunter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Electrolytic production of fatty acids. 2,592,686, Apr. 15.

Groombridge, Walter H., H. Bates, and J. W. Fisher, Spondon, near Derby, England, assignors to British Celanese Limited. Production of cellulose esters. 2,607,771, Aug. 19.

Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Fluid controlled retarding apparatus. 2,606,631, Aug. 12.

Grooms, Percy E., Troy, Ohio. Restraining device for children's high chairs. 2,610,670, Sept. 16.

Grosboll, Lorin E., assignor to Mueller Co., Decatur, Ill. Pressure regulator. 2,614,367, Oct. 21.

Grosch, George S., assignor to Safway Steel Products, Inc., Milwaukee, Wis. Winch. 2,590,610, Mar. 25.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electron counter circuits. 2,591,931, Apr. 8.

Grosvenor, Oliver, Morrison, assignor to Libby, McNeill & Libby, Chicago, Ill. Conveyer apparatus. 2,592,275, Apr. 8.

Grosjean, Wilbur V., Omaha, Nebr., assignor to Westinghouse Air Brake Company. Railway signal control system for single track railways. 2,618,740, Nov. 18.

Groskritz, William: *See*—
Le Febvre, Alfred L., Smith, and Groskritz.

Gross, Adolph J., Chicago, Ill. Automatic lock for trailer vacuum brakes. 2,600,758, June 17.

Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 2,587,996, Mar. 4.

Gross, Arthur G., Manhattan Beach, Calif. Sink stopper. 2,611,904, Sept. 30.

Gross, Arthur R., St. Paul, Minn. Bottle rack. 2,580,676, Jan. 1.

Gross, Bernard, San Diego, Calif., assignor, by mesne assignments, to Rohr Aircraft Corporation. Sealing device. 2,611,285, Sept. 23.

Gross, Bernard, San Diego, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Spot welding machine. 2,623,972, Dec. 30.

Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying pressure to shoes. 2,621,348, Dec. 16.

Gross, Frank, Hutchinson, Minn. Device for picking fruit and the like. 2,616,742, Nov. 4.

Gross, Fritz A., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave heating. 2,612,596, Sept. 30.

Gross, Hans W.: *See*—
Rottig, Walter, Gross, Royen, and Schenk.

Gross, Harry E., Lorain, Ohio, assignor to United States Steel Company. Automatic twin bar-bridge bench piercer mill. 2,583,834, Jan. 29.

Gross, Henry and S., East Finchley, London, England. Cash register. 2,615,621, Oct. 28.

Gross, Herbert L., Parkton, Md. Water kite. 2,597,317, May 20.

Gross, Herbert R., Caldwell, and H. R. Massingham, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Mounting for circuit elements. 2,596,237, May 13.

Gross, Howard H.: *See*—
Kiersted, Wynkoop, Jr., and Gross.

Gross, Irving A., Cleveland, Ohio, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Antenna. 2,587,146, Feb. 26.

Gross, Leo: *See*—
Bruce, Edmond, and Gross.

Gross, Leonard, New Barnet, and E. Bailey, Letchworth, England, assignors to International Business Machines Corporation, New York, N. Y. Record controlled accounting device. 2,580,763, Jan. 1.

Gross Manufacturing Company, assignee: *See*—
Anderson, Walter M.

Gross, Paul M.: *See*—
Fairchild, Cameron D., Gross, and Hobbs.

Gross, Philipp, Slough, assignor to International Alloys Limited, Aylesburg, England. Distillation of metals. 2,607,675, Aug. 19.

Gross, Roland C., Greenfield, Iowa. Roof truss structure. 2,614,512, Oct. 21.

Gross, Samuel: *See*—
Gross, Henry and S.

Gross, Siegfried T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Series X-ray camera. 2,584,962, Feb. 5.

Gross, William A., Portland, Oreg. Combination foot lounge. 2,600,759, June 17.

Gross, William E., Joppa, Md. Gravity filling machine with pneumatically discharge controlling cutoff. 2,614,741, Oct. 21.

Gross, William F., Webster Groves, Mo., and C. C. Rogers, Jr., San Antonio, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Solid stick corrosion inhibitors and a process for preventing corrosion of oil and gas well equipment. 2,599,384, June 3.

Gross, William F., Webster Groves, Mo., and C. C. Rogers, Jr., San Antonio, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Solid stick corrosion inhibitors and a process for preventing corrosion of oil and gas well equipment. 2,599,385, June 3.

Gross, William L., and J. O. P. Hughes, Rugby, assignors to The English Electric Company Limited, London, England. Gearing of accessories for gas turbines. 2,594,642, Apr. 29.

Gross, William L., J. O. P. Hughes, P. H. W. Wolff, and A. Frankel, Rugby, assignors to The English Electric Company Limited, London, England. Plate type heat exchanger. 2,620,169, Dec. 2.

Gross, William W., Jr., Tulare, S. Dak. Wild life chaser. 2,596,678, May 13.

Grossarth, Albert A., La Grange, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Control mechanism for roll curve gear-cutting machines. 2,599,758, June 10.

Grosse, Aristid V., Haverford, Pa. Suppressing the oxidation of CO to CO_2 in a fixed bed regenerator. 2,600,360, June 10.

Grosse, Frank: *See*—
Barnes, Charles H., and Grosse.

Grosse, George, Wolf Point, Mont. Support for rearview mirrors. 2,616,649, Nov. 4.

Grossenbach, Helmuth H., Milwaukee, Wis. Warning indicator for garages. 2,583,835, Jan. 29.

Grosskloss, John F., Steubenville, Ohio. Burner 2,594,914, Apr. 29.

Grossman, Harry, Cleveland, Ohio. Skirt hanger. 2,584,199, Feb. 5.

Grossman, Paul R., Alliance, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater control. 2,616,678, Nov. 4.

Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Solid material heating method and apparatus. 2,595,574, May 6.

Grossmann, Paul, Binningen, assignor to Ciba Limited, Basel, Switzerland. Sulfonating 1-aminoanthraquinones. 2,581,016, Jan. 1.

Grossu, Mircea, Youngstown, Ohio. Advertising machine. 2,597,985, May 27.

Grosvenor, Benjamin, Pomfret, Conn., assignor to American Optical Company, Southbridge, Mass. Spectacle case. 2,617,462, Nov. 11.

Grosvenor-Dale Company, Inc., assignee: *See*—
Jarvis, Adolphus.

Grosvenor, Oliver, Morrison, assignor to Libby, McNeill & Libby, Chicago, Ill. Conveyer apparatus. 2,597,930, May 27.

Grosvenor, William M., Jr., assignor, by mesne assignments, to Staywell Corporation, New York, N. Y. Air sterilizing method and apparatus. 2,595,674, May 6.

Grosvenor, William M., Jr., and A. P. Davis; said Grosvenor, Jr., assignor, by mesne assignments, to Staywell Corporation, New York, N. Y. Air sterilizing method and apparatus. 2,595,673, May 6.

Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Catalytically reforming hydrocarbons. 2,596,145, May 13.

Grote, Henry W., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Etherification of hydroquinone. 2,615,051, Oct. 21.

Groten, Frank J., Upper Montclair, N. J., and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Friction elements. 2,581,926, Jan. 8.

Groth, Edward J., Jr., St. Louis, Mo., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Indicating device for radioactivity intensity. 2,592,416, Apr. 8.

Grothey, Ivan W., and R. H. Lawson, assignors to Scott & Williams, Incorporated, Laconia, N. H. Circular knit multifeed stocking and making same. 2,590,008, Mar. 18.

Grothouse, Frank T.: *See*—
Frere, Clarence, and Grothouse.
Waltersdorf, Felix S., Scott, and Grothouse.

Grottum, Bjarne E., assignee: *See*—
Dorschner, Irvin E.

Group, Charles G. G., Cleveland, Ohio. Hydraulic door actuator. 2,606,761, Aug. 12.

Grove, Clinton, Basking Ridge, N. J., assignor to Central Commercial Company, Cook County, Ill. Coating mineral granules. 2,591,149, Apr. 1.

Grove, Don S., Carnegie, Pa. Endless abrasive belt and manufacturing same. 2,590,697, Mar. 25.

Grove, Marvin H., Piedmont, Calif., assignor, by mesne assignments, to Grove Regulator Company. Apparatus for preventing backflow of liquid. 2,586,942, Feb. 26.

Grove, Marvin, H., Piedmont, Calif., assignor, by mesne assignments, to Grove Regulator Company. Flexible tube valve with liquid link connected operator. 2,622,619, Dec. 23.

Grove Regulator Company, assignee: *See*—
Annin, Douglas H.
Bryant, Austin U.
Grove, Marvin H.
Hoskins, Stanley W.
Murray, Russell T., and Viti.
Witt, Richard M.

Groven, Fredrick J., Highland Park, assignor to Ford Motor Company, Dearborn, Mich. Induction hardening fixture. 2,596,770, May 13.

Grover, Anthony P., assignor to The Ohio Rubber Company, Willoughby, Ohio. Curing press. 2,623,242, Dec. 30.

Grover, Donald P., Chicago, Ill. Reversing means for electrical rotary toothbrushes. 2,618,797, Nov. 25.

Grover, L. Chace, assignee: *See*—
Blum, Hosmer L.

Groves, Martin V., Brooklyn, N. Y. Hydraulic master brake cylinder having bleeding means. 2,615,304, Oct. 28.

Groves, Martin V., New Rochelle, assignor of one-half to A. Wilde and A. Hull-Ryde, Bayside, N. Y., jointly. Fluid power actuator. 2,596,238, May 13.

Groves, Walter R., assignor to British Industrial Plastics Limited, London, England. Variable stroke final slow closing and initial slow opening hydraulic ram. 2,620,776, Dec. 9.

Grow, Harlow B., Linden, Mo. Coin controlled toy bank. 2,622,365, Dec. 23.

Grow, Moris N., Minneapolis, Minn. Ice-making machine. 2,585,240, Feb. 12.

Grower, Abraham, New York, N. Y. Toilet kit. 2,611,380, Sept. 23.

Grözinger, Alfred: *See*—
Calisen, Albert, and Grözinger.

Grözinger, Alfred, assignor to Robert Bosch G. m. b. H., Stuttgart, Germany. Manufacture of separator plates for electric storage batteries. 2,582,777, Jan. 15.

Grubb, Gunnar A., Stockholm, and P. A. Backteman, Lulea, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator having multiple temperature cooling elements. 2,598,737, June 3.

Grubb, Gunnar A., Stockholm, and P. A. Backteman, Tulca, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Multiple temperature household refrigerator. 2,608,835, Sept. 2.

Grubbs, Ralph R., Glendale, Calif. Water circulating tube attachment for horizontal boiler flue. 2,604,080, July 22.

Grube, Otto R., Egg Harbor City, N. J. Broom bridle. 2,593,140, Apr. 15.

Grubelic, Nicholas, East Farmingdale, assignor of thirty-three and one-third per cent to I. Kushner, Great Neck, N. Y. Rotary stirrer and liquid dispensing valve. 2,594,768, Apr. 29.

Gruber, Henry, St. Louis, Mo. Antiglare eyeshield for automobile drivers. 2,607,918, Aug. 26.

Gruber, Mathew B., Bronx, N. Y. Sound for figures or puppets. 2,603,912, July 22.

Gruber, Max, Montreal, Quebec, Canada. Brassière. 2,604,625, July 29.

Gruber, Melcora B., Westminster, Md. Bed guard rail. 2,601,015, June 17.

Grubman, Samuel, and S. Slansky, New York, N. Y. Cravat clasp. 2,593,298, Apr. 15.

Grue, Olav E., Copenhagen, Denmark. Supporting means for acoustical absorbers. 2,610,695, Sept. 16.

Gruel, William W.: *See*—
Coon, Allyn J., and Gruel.

Gruen, Dieter M., and J. J. Katz, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Decomposition of complex metal phosphate salts. 2,599,326, June 3.

Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Tray or similar article. Re. 23,573, Nov. 11.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Synchronizing system for resonant circuit oscillators. 2,585,929, Feb. 19.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Synchronizing system. 2,585,930, Feb. 19.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Oscillator synchronizing system. 2,588,921, Mar. 11.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Balanced phase detector. 2,598,370, May 27.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Automatic tone control. 2,615,090, Oct. 21.

Gruenais, Adolphe, Paris, France. Large capacity tank having corrugated ends. 2,598,160, May 27.

Gruénais, Adolphe, Paris, France. Spring loaded roller for guiding gasholders or other purposes. 2,620,239, Dec. 2.

Gruenberg, Fritz, assignee: *See*—
Joksch, Rudolf.

Gruenberg, Ivor J., Pleasant Ridge, and L. T. Szady, Detroit, assignors to Formsprag Company, Ferndale, Mich. Sprag for one-way clutches. 2,597,241, May 20.

Gruenberg, Otto C., Glen Rock, N. J. Guard device for axle-embracing gear housing. 2,590,309, Mar. 25.

Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Yielding release for mills and crushers. 2,595,249, May 6.

Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Feed plate for gyratory crushers. 2,621,860, Dec. 16.

Gruendler Crusher and Pulverizer Co., assignee: *See*—
Shelton, Harry J., Jr.

Grueneberg, Walter A., assignor to Jackson & Church Company, Saginaw, Mich. Vibrating incremental mold charger or feeder. 2,584,444, Feb. 5.

Grueneberg, Walter A., assignor to Jackson & Church Company, Saginaw, Mich. Machine for the manufacture of molded building units. 2,598,254, May 27.

Grueneberg, Walter A., assignor to Jackson & Church Company, Saginaw, Mich. Material handling system. 2,605,004, July 29.

Gruenwald, Louis A., New York, N. Y. Dispersing and emulsifying compositions. 2,584,123, Feb. 5.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Silo filler pipe. 2,583,836, Jan. 29.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded article and making the same. 2,587,840, Mar. 4.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making expanded metal gratings. 2,609,781, Sept. 9.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. In-line centrifugal pump with fabricated volutes. 2,612,843, Oct. 7.

Gruff, Alexis: *See*—
Hoffman, Julian, and Gruff.

Grumbine, Arthur W.: *See*—
Umberger, Jacob Q., and Grumbine.

Grumbles, Irvin, San Saba, Tex. Portable irrigating apparatus. 2,593,299, Apr. 15.

Grummitt, Oliver J., and R. E. Blank, Cleveland, Ohio, and H. F. Schwarz, Flossmoor, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Plasticizer for vinyl halides. 2,618,622, Nov. 18.

Grundberg, Donald N., Stoneham, Mass. Hectographic copying device. 2,585,311, Feb. 12.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Automatic control of wave form. 2,587,313, Feb. 26.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Regulated high-voltage supply. 2,598,909, June 3.

Grundvig, Knut E., Chicago, Ill., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Crane boom suspension. 2,609,940, Sept. 9.

Gruner, Adolph V., Pittsburgh, Pa. Crossbow. 2,609,810, Sept. 9.

Grunsky, Carl E., Garden City, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mega voltmeter. 2,613,235, Oct. 7.

Grunwald, Margaret, New York, N. Y. Facial iron and vibrator. 2,593,875, Apr. 22.

Gruper, Frank: *See*—
Asmussen, Jes, and Gruper.

Gruse, John W., Washington, D. C. Sidewalk door construction. 2,582,540, Jan. 15.

Grusell, Anders E., Enskede, H. O. A. Sandmark, and E. G. Hysing, assignors to Aktiebolaget Kontrollinstrument, Stockholm, Sweden. Galvanic primary cell. 2,586,426, Feb. 19.

Grushon, Harold N., assignor to The Joyce-Cridland Company, Dayton, Ohio. Closure and closure operator for pit mounted auto lifts. 2,588,518, Mar. 11.

Gruss, George A., Erie, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Jet-propelled rotary airfoil and fuel valve. 2,597,582, May 20.

Gruss, Lucien R., Middletown, Ohio. Vehicle suspension. 2,581,856, Jan. 8.

Gruss, Lucien R., Middletown, Ohio. Landing strut or the like. 2,608,404, Aug. 26.

Gruver, John H., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Roller platen printing machine. 2,598,161, May 27.

Gruver, John H., Cleveland Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Embossing machine. 2,605,878, Aug. 5.

Grylls, Shadwell H., Duffield, assignor to Rolls-Royce Limited, Derby, England. Vehicle gas turbine free wheel overdrive. 2,591,540, Apr. 1.

Grzelak, Joseph M., assignee: *See*—
Olson, Gale A.

Grzybowski, John, Chicago, Ill. Rotary and reciprocating tool operating machine. 2,604,127, July 22.

Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Cross-talk compensation in pulse multiplex system. 2,580,421, Jan. 1.

Guanella, Gustav, Zurich, and O. A. Lardelli, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Sweden. Device for producing chemical reactions in a flowing gas by electrical means. 2,582,903, Jan. 15.

Guanella, Gustav, Zurich, and P. Guttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Combined angular velocity and pulse modulation system. 2,583,484, Jan. 22.

Guarantee Specialty Manufacturing Company, assignee: *See*—
Wright, Richard H., and Zay.

Guaranty Investment Corporation Limited, assignee: *See*—
Udy, Marvin J.

Guardian Electric Manufacturing Co., assignee: *See*—
Leszczynski, Raymond S.
Nelson, Marvin G.
Schmidt, John.

Guard-It Manufacturing Company, assignee: *See*—
Saunders, Henry B.

Guardite Corporation, assignee: *See*—
Heineman, Arnold H.

Guarin, Paul L., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Floatable breakwater. 2,584,867, Feb. 5.

Guarino, Arthur A.: *See*—
Guarino, Mary A. and A. A.

Guarino, Gasper, Brooklyn, N. Y. Razor blade holder. 2,601,388, June 24.

Guarino, Mary A. and A. A., Brooklyn, N. Y. Venetian blind protector. 2,590,767, Mar. 25.

Guarino, Pasquale A., and R. J. Adams, Washington, D. C., and J. W. Fraumann, and L. R. Dobler, United States Navy. Antenna switching system. 2,607,008, Aug. 12.

Gubbins, Charles H., assignor to Wolf Electric Tools Limited, London, England. Switch actuator for portable hand tools. 2,609,468, Sept. 2.

Guboff, Edward H., Beverly Hills, Calif. Clutch means for phonograph records. 2,592,026, Apr. 8.

Guboff, Edward H., Los Angeles, and R. Binney, Venice, Calif. Oscillator circuits for use in diathermy. 2,585,007, Feb. 12.

Gubrud, Adolph P., Hudson, S. Dak. Graduated level. 2,611,972, Sept. 30.

Gudat, Connie M., Los Angeles, Calif. Hair curler. 2,602,459, July 8.

Gudgeon, Ronald P., Luton, England. Intermittently revolvable table laundry press. 2,609,624, Sept. 9.

Gudger, Jesse, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for slitting the margins of shoe uppers. 2,585,931, Feb. 19.

Gudger, Jesse, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for slitting the margins of shoe uppers. 2,614,277, Oct. 21.

Guelph, John D., Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y. Centrifugal casting machine. 2,601,389, June 24.

Guenther, Martin H., Atlanta, Ga., assignor to Armstrong Cork Company, Lancaster, Pa. Door assembly. 2,611,159, Sept. 23.

Guenthner, Richard A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Perfluorosebacic acid. 2,606,206, Aug 5.

Guenzel, William T., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for marine operations. 2,581,098, Jan. 1.

Guercken, Nina K., executrix: *See*—
Kadenacy, Michel.

Guerin, John J., Flint, Mich. Enclosed fluorescent lighting device. 2,595,520, May 6.

Guerin, Paul F., Paris, France. Sheet-end indicator and space counter for printing machines. 2,607,465, Aug. 19.

Guernsey, Glen A.: *See*—
Harmon, Kenneth A., and Guernsey.

Guernsey, Glen A., West Springfield, and K. A. Harmon, Longmeadow, assignors to Wico Electric Company, West Springfield, Mass. Brake-holder control mechanism. 2,594,155, Apr. 22.

Guernsey, Robert W., assignor to General Motors Corporation, Detroit, Mich. Torsional vibration damper. 2,585,382, Feb. 12.

Guerra, Jose A., San Salvador, El Salvador. Electric flatiron. 2,612,587, Sept. 30.

Guesmer, George O., Minneapolis, and H. E. Schulze, Fairmont, Minn. Sliced bread dispensing machine. 2,601,118, June 17.

Guess, Taylor A., Kensington, Ga. Grubbing attachment for tractors. 2,584,868, Feb. 5.

Guest, Annie W., St. Kilda, Victoria, Australia. Bed or like covering. 2,596,547, May 13.

Guest, Howard L.: *See*—
Salle, Anthony J., and Guest.

Guest, Lawrence V., and P. Shephard, Old Hill, England. Turntable drive for talking machines using disk records. 2,621,527, Dec. 16.

Guestinger, Oscar L., Ada, Okla. Fishing rod holder. 2,619,308, Nov. 25.

Guetti, Lorenzo S., Miami, Fla. Speedometer cable connecting and locking device. 2,595,940, May 6.

Guettler, Herbert W., San Francisco, Calif. Double-acting plunger press. 2,587,997, Mar. 4.

Guettler, Herbert W., San Francisco, Calif. Hydraulic log barker with traveling jet and automatic and manual controls. 2,605,794, Aug. 5.

Guffey, Olive M., Kansas City, Mo. Folding container for purses or handbags. 2,581,099, Jan. 1.

Guffey, Oliver J., assignor to I. B. Smitha, Edinburg, Ind. Rotisserie. 2,600,760, June 17.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Confection enrober apparatus. 2,585,765, Feb. 12.

Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Cream cooler. 2,585,766, Feb. 12.

Guggenheim, Max M., and R. L. Greenberg, assignors to National Equipment Corporation, New York, N. Y. Kettle. 2,585,767, Feb. 12.

Guglielotta, Thomas, Norwood, Mass. Frost prevention means. 2,605,516, Aug. 5.

Guhlin, Kjall G., and N. G. Guhlin, Houston, Tex. Level wind reel. 2,609,161, Sept. 2.

Guhlin, Nils G.: *See*—
Guhlin, Kjall G., and N. G.

Guiberson Corporation, The, assignee: *See*—
Taylor, Raymond G., Jr.
Taylor, Raymond G., Jr., and Losey.

Guibord, Paul E. M., Montreal, Quebec, assignor of fifty per cent to L. H. Riddell, Ottawa, Ontario, Canada. Pyrophoric lighter. 2,596,548, May 13.

Guice, John M., assignee: *See*—
Wells, Isaac S.

Guice, John W.: *See*—
Cox, Ernest L., and Guice.

Guichard, Raymond A. E., Paris, France. Apparatus for displaying variable information. 2,622,346, Dec. 23.

Guichard, Raymond A. E., Paris, France. Suspending filing system. 2,623,527, Dec. 30.

Guier, William, and R. E. Carter, assignors to Unit Rig & Equipment Company, Tulsa, Okla. Hoisting apparatus. 2,590,172, Mar. 25.

Guignard, Ulyss O.: *See*—
Bros, Chester W., Williamson, and Guignard.

Guignard, Ulyss O., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn. Tamping roller frame. 2,587,463, Feb. 26.

Guild, Archibald T., Saratoga Spa, assignor to Van Raalte Co., Inc., New York, N. Y. Yarn tensioning device. 2,615,655, Oct. 28.

Guild, Charles L., East Providence, R. I. Pile-driving attachment. 2,616,267, Nov. 4.

Guild, Lloyd V., Pittsburgh, Pa., assignor to Burrell Corporation. Making analysis of composite gas mixtures. 2,591,808, Apr. 8.

Guild, Lloyd V., Pittsburgh, Pa. Gas manifold and valve for analyzing gas mixtures. 2,613,082, Oct. 7.

Guild, Lloyd V., Pittsburgh, Pa. Temperature controlled gas analysis apparatus. 2,616,628, Nov. 4.

Guiles, Charles H.: *See*—
Shepherd, James E., and Guiles.

Guilford Hosiery Mills, Incorporated, assignee: *See*—
Longtin, Donald G.

Guillemant, René-Edouard, Paris, France. Oscillating circuits. 2,594,915, Apr. 29.

Guilleminot, René: *See*—
Guilleminot, Roger, and R.

Guilleminot, Roger, Paris, and R. Guilleminot, Quievrechain, France. Apparatus for continuously producing corrugated glass sheets. 2,590,768, Mar. 25.

Guillemin-Tarayre, Jean, Paris, and A. Neveu, Livry-Gargan, assignors to Compagnie des Freins et Signaux Westinghouse, Paris, France. Triple valve device. 2,587,041, Feb. 26.

Guillemonat, André, Alger, Algeria, assignor to the Society "Suber," S. A., Paris, Seine, France. Extracting fatty matters from cork. 2,617,814, Nov. 11.

Guillermet, Paul, and F. Planet, Lyon, France. Apparatus for cutting out optical glasses. 2,582,117, Jan. 8.

Gulliet, Albert M., Charlotte, N. C. Interchangeable roller neck for textile fluted rolls. 2,601,134, June 17.

Guillot, Philip J., Upper Montclair, and H. R. Karp, Newark, assignors to Bendix Aviation Corporation, Teterboro, N. J. Electric heater control. 2,616,019, Oct. 28.

Guillow, Gertrude H., executrix: *See*—
Guillow, Paul K.

Guillow, Paul K., deceased, Wakefield, Mass.; G. H. Guillow, Wakefield, Mass., executrix. Model airplane glider. 2,595,074, Apr. 29.

Guimbretiere, Louis F., Montfaucon, and E. J. Sorez, Roubiax, France. Tension testing apparatus. 2,621,512, Dec. 16.

Guimbretiere, Louis F., Montfaucon, and E. J. Sorez, Roubaix, France. Thread gauging instrument. 2,620,566, Dec. 9.

Guinn, Vincent P.: *See*—
Detling, Kenneth D., and Guinn.

Guion, Henry A., and E. Arnold, Los Angeles, Calif. Dose time indicator. 2,587,147, Feb. 26.

Guiot, Auguste, Paris, France, assignor to Fram Corporation. Liquid filter. 2,588,519, Mar. 11.

Guiot, Maurice, Paris, France. Moistureproof distributor head. 2,598,162, May 27.

Guisasola, Bonifacio, Eibar, Spain. Self-acting breech bolt blocking device. 2,608,136, Aug. 26.

Guisti, Louis J., North Augusta, S. C., assignor of thirty-three and one-third per cent to I. S. Peebles, Jr., Augusta, and sixteen and two-thirds per cent to T. R. Burnside, Thomson, Ga. Spark plug installing and removing tool. 2,589,935, Mar. 18.

Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Last. 2,598,688, June 3.

Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for applying pressure to shoe bottoms. 2,611,143, Sept. 23.

Gulden, Ernest V., and J. A. Klopf, assignors to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,591,541, Apr. 1.

Guldhav, Henning: *See*—
Brodal, Erling, and Guldhav.

Guldjord, Oscar M., Seattle, Wash. Ladder foot. 2,620,115, Dec. 2.

Gulf Oil Corporation, assignee: *See*—
Case, Leslie C.
Cornell, Paul W.
Cornell, Paul W., and Carter.
Cornell, Paul W., and Cotton.
Eld, Aksel C.
Franklin, Leslie U.
McAfee, Jerry.
Slater, William A.
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and Peters.
Wagner, Bernard.

Gulf Research & Development Company, assignee: *See*—
Bowman, John R., and Cichelli.
Crawford, Clarence L.
Crisman, Orvil W., and Teplitz.
Easley, Joseph C., and Kellner.
Exline, Paul G.
Helwig, Ralph W.
Hirsch, Joel H.
Kennedy, Harvey T., and Rogers.
Mitchell, Edward.
McCarthy, Paul R.
McKinley, Joseph B.
McKinley, Joseph B., and Starnes.
Montgomery, Charles W., and Gilbert.
Montgomery, Charles W., and Horne.
Muffly, Gary.
Patnode, Homer W.

Gulf Research & Development Company, assignee: *See*—
Continued.
Patnode, Homer W., and Wyllie.
Pigott, Reginald J. S.
Ridenour, William P.
Rocchini, Albert G.
Spindt, Roderick S., and Stevens.
Stevens, Donald R.
Stevens, Donald R., and Bowman.
Stickney, Wilder C.
Trautman, Charles E.
Wyckoff, Ralph D.
Wyllie, Malcolm R. J.
Wyllie, Malcolm R. J., and Hogg.
Gulf States Paper Corporation, assignee: *See*—
Thielens, Wagner P.
Gulick, David E., Kittanning, assignor to Eljer Co., Ford City, Pa. Handle and operating lever assembly for flushing tanks. 2,609,546, Sept. 9.
Gulick, David E., and J. M. Hendrickson, Kittanning, assignors to Eljer Company, Ford City, Pa. Water closet flush tank. 2,623,216, Dec. 30.
Gull, Roy A., Buffalo, assignor, by mesne assignments, to Sylvania Electric Products, Inc., New York, N. Y. Variable delay control circuit for motor-driven signal seeking receivers. 2,584,578, Feb. 5.
Gullett, John C.: *See*—
Littlejohn, Lyman L., and Gullett.
Gullick, Ernest D. M., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Mining machine. 2,600,640, June 17.
Gulnac, Howard D., Collingswood, N. J., assignor to Radio Corporation of America. Automatic gain control circuits. 2,594,916, Apr. 29.
Gulton Mfg. Corp., assignee: *See*—
Howatt, Glenn N.
Gummed Products Company, The, assignee: *See*—
Havemann, Robert A., Bruce, and MacRae.
Herrlinger, Paul W.
Gump, George F., Walla Walla, Wash. Automatic farm gate. 2,593,876, Apr. 22.
Gump, Richard A., assignee: *See*—
James, Frazier N.
Gump, William S., Upper Montclair, and E. J. Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y. Aromatic chlorethylamines and their salts. 2,601,275, June 24.
Gumpp, Fredrick W., Massillon, assignor of twenty-five per cent to J. W. Kinney, Jr., Cincinnati, Ohio. Furnace charging device. 2,591,424, Apr. 1.
Gunby, Olin B., Los Angeles, Calif., assignor to Radio Corporation of America. Magnetic record editing device. 2,611,828, Sept. 23.
Gundelfinger, Alan M., Los Angeles, assignor to Cinecolor Corporation, Burbank, Calif. Photographic toning and resensitizing process. 2,587,841, Mar. 4.
Gundelfinger, William E.: *See*—
Lehmann, George A., and Gundelfinger.
Gunder, Robert J., assignor to Hamilton Watch Company, Lancaster, Pa. Combination unit showcase. 2,584,869, Feb. 5.
Gundersen, Andrew H., Plano, and L. A. Gundersen, Elgin, Ill. Broom rake. 2,603,937, July 22.
Gundersen, Daniel T.: *See*—
Ziebolz, Herbert, Gundersen, and Baetzmann.
Gundersen, Le Roy A.: *See*—
Gundersen, Andrew H., and L. A.
Gunderson, Jul A., Drammen, Norway. Producing shoe cleats. 2,587,148, Feb. 26.
Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. 2,583,771, Jan. 29.
Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Acid and quaternary salts of polyamides. 2,583,772, Jan. 29.
Gunderson, Lewis O., assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foam formation in steam generation. 2,596,925, May 13.
Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. 2,600,361, June 10.
Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Method and composition for inhibiting foam in aqueous systems. 2,612,478, Sept. 30.
Gundlach, Norman J., executor: *See*—
Cartier, Lionel R.
Gundlach, Theodore F., Belleville, Ill. Device for severance of rigid materials. 2,582,694, Jan. 15.
Gundrum, Laetta J.: *See*—
Wolff, Ivan A., Davis, Cluskey, and Gundrum.
Gunite Foundries Corporation, assignee: *See*—
Forbes, Duncan P.
Forbes, Duncan P., and Malthaner.
Gunn, Frank G., Ickenham, England, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. System of composite photography. 2,580,422, Jan. 1.
Gunn, John V., Tulsa, Okla. Clothes wringer. 2,603,962, July 22.
Gunn, Ross, Washington, D. C. Insulation breakdown indicator and recorder. 2,586,815, Feb. 26.
Gunning, Alfred W.: *See*—
Dunham, Elmer J., and Gunning.
Gunning, William A., and G. C. Favre, assignors to American Optical Company, Southbridge, Mass. Lap truing machine. 2,599,759, June 10.
Gunter, Frank B., Glen Burnie, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power supply. 2,590,611, Mar. 25.
Gunther, Conrad J., Hempstead, assignor to Dzus Fastener Co., Inc., West Islip, N. Y. Fastener receptacle. 2,585,241, Feb. 12.
Gunther, Robert C., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Suppression of proximity development with azine color developers. 2,594,917, Apr. 29.
Gunther, Robert C., Galesburg, Ill., assignor to General Aniline & Film Corporation, New York, N. Y. Condensation products of the dihydrobenzimidazole type. 2,605,265, July 29.
Gunther, Robert C., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. N-substituted 4,6-diamino metanilic acids and the corresponding nitro derivatives. 2,611,785, Sept. 23.
Gunther, Robert C., Galesburg, Ill., assignor to General Aniline & Film Corporation, New York, N. Y. Energizers for aromatic triamino developing agents and suppression of proximity development in azine color developers. 2,623,823, Dec. 30.
Gunther, Robert C., Easton, Pa., and V. Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of azine dye images. 2,596,926, May 13.
Gunther, Robert C., Galesburg, Ill., and V. Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Stain preventing short-stop bath for photographic azine dye images. 2,618,559, Nov. 18.
Gunther, Roland E., Newark, N. J. Light projection apparatus. 2,584,697, Feb. 5.
Gunz, Johanna, Tucson, Ariz., assignor to Infilco Incorporated, Chicago, Ill. Two stage filtration of sewage. 2,580,764, Jan. 1.
Gunzelman, Willard: *See*—
Peck, Cecil C., and Gunzelman.
Guppy, Thomas G.: *See*—
Prower, Charles W., and Guppy.
Guptill, Ernest W., Montreal, Quebec, and W. H. Watson, Saskatoon, Saskatchewan, assignors to National Research Council, Ottawa, Ontario, Canada. Directive antenna for microwaves. 2,596,480, May 13.
Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Humidity indicator. 2,613,302, Oct. 7.
Gurinsky, Harold, assignee: *See*—
Kelley, James B., Jr.
Gurries, Albert G., assignor to Be-Ge Manufacturing Co., Gilroy, Calif. Roller attachment for scrapers. 2,585,117, Feb. 12.
Gurley, Cecil N.: *See*—
Gurley, Roy N., L. R., and C. N.
Gurley, Grey M.: *See*—
Carroll, Fred M., and Gurley.
Gurley, Leslie R.: *See*—
Gurley, Roy N., L. R., and C. N.
Gurley, Roy N., L. R., and C. N., Calgary, Alberta, Canada. Control apparatus for battery wind chargers. 2,598,662, June 3.
Gurley, W. & L. E., assignee: *See*—
Larsen, Harold R., and Gurney.
Gurney, Daniel: *See*—
Larsen, Harold R., and Gurney.
Gurnick, Raymond S., Lakewood, and R. T. Joy, Willoughby, assignors to Thompson Products, Inc., Cleveland, Ohio. Controlling the density of sintered compacts. 2,622,024, Dec. 16.
Gurton, William S., and H. Nyberg, Kitchener, assignors, by mesne assignments, to Brantford Coach and Body Limited, Brantford, Ontario, Canada. Detachable dolly and trailer. 2,590,962, Apr. 1.
Gurvich, Max A., Seattle, Wash. Ski and ski tip attachment. 2,611,624, Sept. 23.
Gusdorf, Frederik H., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Coated ferromagnetic core element. 2,598,371, May 27.
Gusdorf, Frederik H., H. Simons, L. Verhoeven and H. M. Visch, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency coil. 2,603,774, July 15.
Guss, William A.: *See*—
Hart, Norman E., and Guss.
Guss, William A., assignor to Toledo Scale Company, Toledo, Ohio. Mounting for key buttons. 2,619,215, Nov. 25.
Gussack, Nathan A., New York, assignor to Grant Pulley & Hardware Co., Flushing, N. Y. Guide for drawers or shelves. Re. 23,461, Feb. 12.
Gussick, Frank S., Milwaukee, Wis. Regulating valve. 2,585,383, Feb. 12.
Gussow, William A., Hampton, Ga., assignor to Southern States Equipment Corporation. Electric switch. 2,582,326, Jan. 15.
Gustafson, August W., Corpus Christi, Tex. Mixing apparatus for insecticides. 2,599,825, June 10.

Gustafson, Carl, Lunenburg, Mass. Atomizing apparatus. 2,623,782, Dec. 30.
Gustafson, Carl, Lunenburg, Mass. Atomizing apparatus. 2,623,783, Dec. 30.
Gustafson, Carl A., assignor to Caterpillar Tractor Co., Peoria, Ill. Adjustable axle. 2,603,504, July 15.
Gustafson, Carl A., assignor to Caterpillar Tractor Co., Peoria, Ill. Side dumping trailer and draft connection therefor. 2,603,531, July 15.
Gustafson, Carl A., assignor to Caterpillar Tractor Co., Peoria, Ill. Tractor steering mechanism. 2,614,644, Oct. 21.
Gustafson, Clifford E.: *See*—
Connor, John E., and Gustafson.
Gustafson, David A., assignor to McGraw Electric Company, Elgin, Ill. High-temperature electric insulating construction. 2,620,426, Dec. 2.
Gustafson, Edwin E., Vallejo, Calif. Lifting device. 2,584,124, Feb. 5.
Gustafson, Henry, Worcester, Mass. Implement for buttering corn. 2,606,364, Aug. 12.
Gustafson, Peter, Chicago, Ill. Smoking pipe. 2,612,172, Sept. 30.
Gustafson, Peter, Chicago, Ill. Smoking pipe. 2,612,173, Sept. 30.
Gustafsson, Gustaf E.: *See*—
Vigren, Sten D., and Gustafsson.
Gustafsson, Klas B., Eskilstuna, Sweden. Equipped portable drawing board. 2,623,288, Dec. 30.
Gustavson, Sterling T., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Gate mechanism for cigar bunch machines. 2,611,371, Sept. 23.
Gustavsson, Bror A., Trollhattan, Sweden. Cattle shock imparting device. 2,623,498, Dec. 30.
Gustavsson, Lars E. H., Karlskoga, Sweden. Device for measuring lengths. 2,612,699, Oct. 7.
Gustin-Bacon Manufacturing Company, assignee: *See*—
Sheidley, Hubert O.
Gustin, Daniel S.: *See*—
Reese, Norman C., and Gustin.
Gustin, George M., Wabash, Ind. Gauge for sawing machines. 2,622,637, Dec. 23.
Gustin, George M., Wabash, Ind. Feeding mechanism for woodworking machines. 2,623,559, Dec. 30.
Gustisha, Edward F., Waukegan, Ill. Vehicle trunk lid control. 2,594,643, Apr. 29.
Gutekunst, Carl, Asbury Park, assignor, by mesne assignments, to F. Poppolardo, Newark, N. J. Can opener. 2,621,402, Dec. 16.
Gutenstein, Joseph, Oceanside, N. Y. Nail polish applicator. 2,623,231, Dec. 30.
Guth, Edwin F., Florissant, Mo. Ceiling fixture for fluorescent lamps. 2,615,123, Oct. 21.
Guth, Fred H.: *See*—
Foreman, Robert W., and Guth.
Guth, Frederick A., Waverly, Ohio, and H. F. Guth, Memphis, Tenn. Carpenter's vise having lever-operated slidable jaw. 2,616,321, Nov. 4.
Guth, Harold F.: *See*—
Guth, Frederick A., and Guth.
Guth, Julius, Rockville Centre, assignor to Sloan & Company, New York, N. Y. Nonpiercing earring. 2,611,251, Sept. 23.
Guthrie, Bernard M., Kokomo, assignor, by mesne assignments, to Steel Parts Corporation, Tipton, Ind. Making hinges. 2,618,838, Nov. 25.
Guthrie, Charles G., Formby, assignor to M. E. P. Company Limited, Liverpool, England. Hatch cover. 2,599,106, June 3.
Guthrie, George B., East Palestine, assignor to The Hall China Co., East Liverpool, Ohio. Tool for forming dinnerware. 2,599,910, June 10.
Guthrie, George B., Jr., Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse width discriminator circuit. 2,609,501, Sept. 2.
Guthrie, Robert C., Washington, D. C. Negative resistance pulse generator. 2,580,423, Jan. 1.
Gutmann, Ferdinand, & Co., assignee: *See*—
Cohn, Benno.
Gutmann, Paul M., Paris, France. Impact operated toy. 2,597,094, May 20.
Guttinger, Paul: *See*—
Guanella, Gustav, and Guttinger.
Guttman, Joseph M., Brooklyn, N. Y. Mailing card. 2,616,612, Nov. 4.
Guttmann, Eric S., Huntington, W. Va., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Measuring device. 2,583,371, Jan. 22.
Gutton, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Magnetron. 2,604,610, July 22.
Gutton, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Magnetron tube for the transmission of ultrashort waves. 2,610,309, Sept. 9.
Gutton, Henri, and J. Legros, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Magnetron tube. 2,617,968, Nov. 11.
Gutzeit, Carlos L., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrous alumina catalyst support. 2,619,474, Nov. 25.
Guy, Hubert G., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Pesticidal compositions comprising N-vinyl carbazole and tetraethylpyrophosphate. 2,606,139, Aug. 5.
Guy, Warren H., Folsom, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for the treatment of filamentary materials, particularly with liquids. 2,593,555, Apr. 22.
Guyer, Edwin M., assignor to Corning Glass Works, Corning, N. Y. Delonized electrode in electric glass-working. 2,590,173, Mar. 25.
Guyer, Jesse A.: *See*—
Goodson, Luke B., and Guyer.
Guyer, Morris W., assignor to Calkins Manufacturing Company, Spokane, Wash. Seed treating machine. 2,600,641, June 17.
Guyer, Reynolds: *See*—
Dunning, Robert M., and Guyer.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Tiltable display carton. 2,591,425, Apr. 1.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. One-piece reinforced carton. 2,594,156, Apr. 22.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Tissue dispensing carton. 2,598,050, May 27.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Bottle carrier. 2,622,777, Dec. 23.
Guyer, Reynolds, and R. J. Hennessey, assignors to Waldorf Paper Products Company, St. Paul, Minn. Carrier package. 2,598,051, May 27.
Guynn, Charles A., Pascagoula, Miss., assignor to The Ingalls Shipbuilding Corporation. Tank beveling apparatus. 2,619,343, Nov. 25.
Guyton, Boone T., Milford, and F. J. Lindstrom, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Antibuffet seat. 2,619,157, Nov. 25.
Guyton, Frank, Sperry, Okla. Oil routing valve. 2,613,684, Oct. 14.
Gusey, William, Jr., Van Nuys, J. Curlett, North Hollywood, and J. F. McKlney, Bell Gardens, assignors to Miller Manufacturing Co. Inc., Los Angeles, Calif. Vehicle lift. 2,611,579, Sept. 23.
Guzzetti, Alfredo, and M. Almasso, Cordoba, Argentina. Pump operated recirculation washing machine. 2,589,247, Mar. 18.
Guzzi, Carlo, Mandello Lario (Como), assignor to Moto Guzzi Soc. p. Az., Genova, Italy. Rear suspension of motor scooters. 2,618,494, Nov. 18.
Guzzi, Salvatore: *See*—
Olson, Andrew.
Gwaltney, Eugene C., deceased, Biddeford Pool, Maine, by Saco-Lowell Shops, assignee, Boston, Mass. Device and process for twisting and spinning. Re. 23,525, July 22.
Gwin, Dean R.: *See*—
Gwin, James M. and D. R.
Gwin, James M., Hyattsville, Md., and D. R. Gwin, Tyrone, Pa. Apparatus for cleaning eggs. 2,615,187, Oct. 28.
Gwinn, Joseph M., Jr., Dearborn, assignor to Gar Wood Industries, Inc., Wayne, Mich. Arm and tension link hoist for dump bodies. 2,611,642, Sept. 23.
Gwoosh, Stephen J., and C. E. Taylor, Newark, N. J. Razor blade dispensing package. 2,592,138, Apr. 8.
Gwynn, Marion H., Mountain Lakes, N. J. Hydrofining with sulfate regenerated catalyst. 2,587,149, Feb. 26.
Gwynne, Jacob M., Coral Gables, Fla. Tension screen. 2,618,332, Nov. 18.
Gygax, Ernest, St. Louis, Mo., assignor to Gemco Shaper Company. Machine tool. 2,612,081, Sept. 30.
Gynt, Sven, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Ventilation system for electric machines. 2,615,938, Oct. 28.
Gypsum, Lime and Alabastine, Canada, Limited, assignee: *See*—
Rourke, Terrence A.
Gyro Process Company, The, assignee: *See*—
Holland, William W.
Gysin, Hans, assignor to J. R. Geigy A. G., Basel, Switzerland. Agents for combating pests and a method for killing pests. 2,592,890, Apr. 15.
Gysin, Hans, Basel, and E. Hodel, Birsfelden, near Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Fungistatic preparations. 2,617,753, Nov. 11.
Gyuris, John, New York, N. Y. Making dies. 2,622,456, Dec. 23.
H & B American Machine Company, assignee: *See*—
Walsh, Samuel R.
H and H Products Mfg. Co., assignee: *See*—
Briggs, Robert L., Jr.
H. M. H. Co., The, assignee: *See*—
Randall, Horace.
H-P-M Development Corporation, assignee: *See*—
Ernst, Walter.
Purcell, Howard M.
Richardson, Lloyd D., Sr.
Sebring, Frank E., and Bennett.
Tucker, Warren R.
Haak, Werner H., Brookfield, Ill. Torch with concentric gas, oxygen, and mixture outlets. 2,598,787, June 3.

Haake, Paul T., assignor to Crane Packing Company, Chicago, Ill. Rotary mechanical seal with telescoping parts. 2,610,073, Sept. 9.

Haaksma, William J.: *See*— Holmes, Louis D., Haaksma, and Hammond.

Haaky Manufacturing Company, assignee: *See*— Shepardson, Anthony H.

Haanstad, Engval J., Arlington, S. Dak. Drum buoy. 2,588,830, Mar. 11.

Haapala, Levi, Dassel, assignor to Whiteley and Caine, Minneapolis, Minn. Device for shredding and disintegrating vegetable stalks. 2,621,460, Dec. 16.

Haas, Albert A., Macon, Ga. Retarding impacts on railroad cars. 2,590,406, Mar. 25.

Haas, Clarence C., Richmond, Ind., assignor to International Harvester Company. Implement lift and ungear system. 2,603,172, July 15.

Haas, Clarence C., Richmond, Ind., assignor to International Harvester Company. Agricultural implement. 2,621,748, Dec. 16.

Haas, Clarence C., and W. B. Behnen, Richmond, Ind., assignors to International Harvester Company. Dispensing mechanism for planters. 2,606,695, Aug. 12.

Haas, Eduard, assignee: *See*— Uxa, Oskar.

Haas, Edward W.: *See*— Wolfe, H. Hix, and Haas.

Haas, Frederick S., Orgonia, and W. Trible, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,622,375, Dec. 23.

Haas, Glenn B., assignor to Defiance Metal Weatherstrip Company, Oak Harbor, Ohio. Sash guide and cup unit. 2,586,946, Feb. 26.

Haas, Glenn B., assignor to Window Products, Inc., Oak Harbor, Ohio. Insulated sash frame. 2,622,710, Dec. 23.

Haas, Hermann, Remscheid-Lennep, Germany. Open width dyeing machine with perforated cylinders. 2,590,407, Mar. 25.

Haas, John F., assignee: *See*— Nawman, Guy A.

Haas, Joseph D., assignor to U. S. Bedding Company, Memphis, Tenn. Spring attachment means. 2,581,761, Jan. 8.

Haas, Otto R., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and method for fastening hassocks. 2,581,017, Jan. 1.

Haas, Otto R., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,588,383, Mar. 11.

Haas, Otto R. Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lubricating apparatus. 2,609,891, Sept. 9.

Haas, Otto, Balzers, T. Schaedler, Triesenberg, and L. Schneider, Balzers, assignors to Anstalt Renor, Vaduz, Liechtenstein. Type action system for typewriters. 2,611,469, Sept. 23.

Haas, Rudolf, Unterkochen, Wurttemberg, assignor to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany. Apparatus for creping paper. 2,623,572, Dec. 30.

Haas, William, assignor to John Widdicomb Company, Grand Rapids, Mich. Sliding door mounting. 2,584,874, Feb. 5.

Haase, Carl O., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for uniformly tensioning an advancing strand. 2,594,427, Apr. 29.

Haase, Charles F., Milwaukee, Wis. Lead sharpener for draftsmen's pencils. 2,618,240, Nov. 18.

Haase, Elmer A.: *See*— Volz, Arthur J., and Haase.

Haase, Hugo B., Sheridan, Wyo. Fly rod spinning reel. 2,597,318, May 20.

Haase, Kurt, Melkendorf, assignor to Süderwerke G. m. b. H., Kulmbach, Germany. Internal-combustion engine cooling for rotary valves. 2,617,395, Nov. 11.

Haase, Merlin R., Berlin, Wis. Bale loader. 2,593,023, Apr. 15.

Haase, Jorgen I., assignor to Wingfoot Corporation, Akron, Ohio. Tire building machine and method. 2,605,198, July 29.

Haase, Kurt, Melkendorf, near Kulmbach, and W. Ostwald, Heppenheim, assignors to Süderwerke G. m. b. H., Kulmbach, Germany. Arrangement for and method of transferring heat and cold from and to machine parts. 2,608,963, Sept. 2.

Haase, Wilbert W., Forest Park, Ill. Burial vault handling apparatus. 2,602,400, July 8.

Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial vault form. 2,616,146, Nov. 4.

Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial unit handling device. 2,619,321, Nov. 25.

Haatvedt, Ervin C., Brooklyn, N. Y., assignor to Visugage, Inc. Liquid level gauge. 2,596,897, May 13.

Habel, Carl, Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich. Soldering apparatus. 2,591,065, Apr. 1.

Habel, Harry M., Oak Park, Ill. Hanger. 2,583,563, Jan. 29.

Habenicht, August F., Tinley Park, Ill. Sod cutters. 2,614,477, Oct. 21.

Haberkorn, Matthew J., Oak Park, Ill. Fish lure. 2,613,469, Oct. 14.

Haberland, Ernest R., Washington, D. C. Fluxmeter alarm. 2,596,994, May 20.

Habermaier, Reinhard, assignor to The De Vilbiss Company, Toledo, Ohio. Producing a decorative glass container. 2,607,707, Aug. 19.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Fabric washing machine. 2,593,752, Apr. 22.

Haberstump, Alfred H., assignor to American Metal Products Company, Detroit, Mich. Seat track of the vertical adjustable type for automotive vehicles. 2,609,029, Sept. 2.

Haberstump, Alfred H., Detroit, Mich., assignor, by mesne assignments, to E. H. Whittington. Crate. 2,619,250, Nov. 25.

Habib, Joseph J., Sr., assignee: *See*— Lyon, James G.

Habich, Robert C., Port Washington, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Wave guide rotary joint. 2,596,398, May 13.

Habicht, Conrad, Schaffhausen, Switzerland. Dispensing device for tablets and the like. 2,589,936, Mar. 18.

Haboush, Edward J., Brooklyn, N. Y. Device for bending fracture nails and the like for impacting fractures and extracting such nails. 2,590,532, Mar. 25.

Habsch, Nicholaus, Wuppertal-Vohwinkel, Germany. Hydraulic device. 2,583,528, Jan. 29.

Hach, Hazel D.: *See*— O'Hearn, George E., Jr., and Hach.

Hach, William: *See*— Artz, Neal E., and Hach.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Multistage crystallization process. 2,593,300, Apr. 15.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractional distillation method. 2,600,110, June 10.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Centrifugal apparatus for countercurrent gas absorption. 2,603,305, July 15.

Hachtel, Wilhelm, Wurttemberg, assignor to R. Storzbach, Stuttgart, Germany. Antifriction curtain hanger. 2,620,507, Dec. 9.

Hack, Carl H., Flushing, N. Y., and J. M. Ciborski, Mountain Lakes, N. J., assignors to National Lead Company, New York, N. Y. Metallic composition. 2,607,982, Aug. 26.

Hack, Frank W., Des Plaines, Ill. Rotary crusher. 2,607,539, Aug. 19.

Hackbarth, Carl J., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,592,276, Apr. 8.

Hackenberg, John H.: *See*— Ridings, Garvice H., and Hackenberg.

Hackett, Claude J.: *See*— Saunders, Norman H., Hackett, and Bellamy.

Hackett, Harold N.: *See*— Wood, Orla L., and Hackett.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Apparatus for sealing dielectric materials. 2,609,481, Sept. 2.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electronic bonding machine. 2,623,156, Dec. 23.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electronic bonding machine. 2,623,985, Dec. 30.

Hackley, Roy C., Oakland, Calif. Portable placer for concrete and the like. 2,593,556, Apr. 22.

Hacklin, Otto W., assignee: *See*— Grönroos, Hugo A.

Hackman, Frank W., Maywood, and W. J. Poole, Evanston, assignors to Container Corporation of America, Chicago, Ill. Carrier for chimed cans. 2,611,521, Sept. 23.

Hackmann, Johannes T.: *See*— Overhoff, Johan, and Hackmann.

Hackmann, Johannes T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Producing rubber polymer-sulfur dioxide filaments. 2,591,254, Apr. 1.

Hackmann, Johannes T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Preparing esters. 2,600,054, June 10.

Hackney, Norman A., Durham, N. C. Double reverse spring lock for paper rolls. 2,603,426, July 15.

Haco-Gesellschaft A. G., assignee: *See*— Grob, Cyrill, Matter, Max, and von Sprecher.

Hacus, John J., Chicago, Ill. Nontoppling base for drinking glasses. 2,601,279, June 24.

Hadden, George H.: *See*— Campbell, Richard H., Jr., and Hadden.

Hadden, George H., assignor to Minshall-Estey Organ, Inc., Brattleboro, Vt. Organ key loading device. 2,607,257, Aug. 19.

Haddican, George F., Delano, Calif. Tool for tapering fiber pipe ends. 2,616,462, Nov. 4.

Haddon, Jesse E., Elmwood Park, assignor of one-third to T. W. Blum, and one-third to C. M. Kipp, Chicago, Ill. Building construction. 2,583,422, Jan. 22.

Haddon Products, Inc., assignee: *See*— Smyth, Gordon R.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Thermionic valve oscillator. 2,583,837, Jan. 29.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Thermionic power amplifier for delivering high power to low impedance loads. 2,623,130, Dec. 23.

Hadfield, Joseph M., Chicago, Ill. Handle for screw drivers and similar tools. 2,609,851, Sept. 9.

Hadidian, Zareh, Needham, Mass., assignor to G. D. Searle & Co., Chicago, Ill. Sulfuric acid esters of hyaluronic acid and the production thereof. 2,599,172, June 3.

Hadidian, Zareh, Needham, Mass., and N. W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Chicago, Ill. Production of high viscosity hyaluronic acid. 2,583,096, Jan. 22.

Hadidian, Zareh, Worcester, Mass., and N. W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Skokie, Ill. Production of high viscosity hyaluronic acid. 2,585,546, Feb. 12.

Hadley, Benjamin H., Pomona, Calif. Vehicle switch for back-up warning. 2,580,677, Jan. 1.

Hadley Company, Incorporated, The, assignee: *See*— Cummings, Robert E.

Hadley, David J.: *See*— Goodings, Eric P., and Hadley.

Hadley, Earl D., Edwardsville, Kans. Divided car seat. 2,591,426, Apr. 1.

Hadley, Everett M., Riverside, Calif. Vise wrench. 2,613,566, Oct. 14.

Hadley, H. A., Associates, Inc., assignee: *See*— Hadley, Harlan A.

Hadley, Harlan A., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Weighing scale. 2,594,157, Apr. 22.

Hadley, Harlan A., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Pivot and bearing assembly. 2,611,659, Sept. 23.

Hadley, Harlan A., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Pivot and bearing assembly. 2,611,660, Sept. 23.

Hadley, Harlan A., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Pivot and bearing assembly. 2,611,661, Sept. 23.

Hadley, Harlan A., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Pivot and bearing assembly. 2,611,662, Sept. 23.

Hadley, Harlan A., Rutland, Vt., assignor to The Howe Scale Company. Weighing scale. 2,611,606, Sept. 23.

Hadley, Orval P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Making fittings for coupling the ends of tubes. 2,615,235, Oct. 28.

Hadley, Walter N., Chicago, Ill. Expansible cleaning brush for hot-air furnace radiators or the like. 2,581,480, Jan. 8.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Selvage finishing mechanism. 2,594,918, Apr. 29.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Selvage loop cutting mechanism. 2,594,919, Apr. 29.

Hadlock, Lester E.: *See*— Chorpening, Creed M., Hadlock.

Hadlock, Lester E., Kingsville, Ohio. Drawbar stay for tractors. 2,617,660, Nov. 11.

Haeberlein, Max: *See*— Church, William H., and Haeberlein.

Haeberlein, Max, Maplewood, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Lubrication means for service pump drive on compressors. 2,602,583, July 8.

Haedike, Edward J.: *See*— Peters, Howard, and Haedike.

Haefele, John W., Cincinnati, assignor to The Procter & Gamble Company, Ivorydale, Ohio. Modification of keratin. 2,615,782, Oct. 28.

Haefele, John W., Cincinnati, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Compositions for treating keratin-containing materials. 2,615,828, Oct. 28.

Haefele, John W., Cincinnati, and N. B. Tucker, Glendale, assignors to The Procter & Gamble Company, Ivorydale, Ohio. Modification of keratin. 2,615,783, Oct. 28.

Haefeli, Theodor, Lucerne, Switzerland, assignor, by mesne assignments, to Collux A. G., Vaduz, Leichtenstein. Device for photographically printing on textile fibers. 2,615,381, Oct. 28.

Haeff, Andrew V., Washington, D. C. Signal integrating tube for radar. 2,617,073, Nov. 4.

Haeff, Andrew V., and T. E. Hanley, Washington, D. C. Signal generator. 2,589,248, Mar. 18.

Haeff, Andrew V., Washington, D. C., and T. E. Hanley, Temple Hills, Md. Variable cavity resonator. 2,616,966, Nov. 4.

Haefliger, Johann, assignor to The Warner & Swasey Company, Cleveland, Ohio. Twisted selvage cutter. 2,609,009, Sept. 2.

Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Fabric take-off device for full-fashioned knitting machines and operating same. 2,601,768, July 1.

Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Fabric tension control means for knitting machines. 2,605,626, Aug. 5.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of alumina-platinum-halogen catalyst. 2,582,428, Jan. 15.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons with platinum composite catalyst. 2,602,772, July 8.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Double-calcination process of preparing an alumina-platinum-halogen catalyst. 2,606,878, Aug. 12.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Reforming process and catalyst therefor. 2,611,736, Sept. 23.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of an alumina-platinum-combined halogen catalyst. 2,611,749, Sept. 23.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic hydrogenation of unsaturated compounds. 2,622,111, Dec. 16.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Manufacturing platinum-containing catalyst. 2,623,860, Dec. 30.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of alumina-platinum-halogen catalyst. 2,623,861, Dec. 30.

Haertel, Walter, Company, assignee: *See*— Haertel, Walter G., Oliver, and Smallbeck.

Haertel, Walter G., D. H. Oliver and V. H. Smallbeck, assignors to Walter Haertel Company, Minneapolis, Minn. Storage vault conditioning unit. 2,582,986, Jan. 22.

Haertel, William J., Oak Park, Ill. Ceiling suspension clasp hook. 2,586,327, Feb. 19.

Haeseler, John A., Woodbridge, Conn. Camera with lens turret. 2,599,327, June 3.

Haesly, Rudoph E., Davenport, Iowa. Truss pad. 2,613,669, Oct. 14.

Haeusler, Roy C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Throttle dashpot mechanism. 2,592,513, Apr. 8.

Haffner, Grover C., Los Angeles, Calif. Capotasto. 2,604,805, July 29.

Häfliger, Franz, H. Martin, and R. Denss, assignors to J. R. Geigy A.-G., Basel, Switzerland. Manufacture of new basic esters of 1-aryl-cyclopentane-1-monothio-carboxylic acids. 2,589,937, Mar. 18.

Häfliger, Franz, and W. Schindler, assignor to J. R. Geigy A. G., Basel, Switzerland. Iminodibenzyl derivative. 2,616,895, Nov. 4.

Hafner, Raoul, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Rotary wing aircraft. 2,600,531, June 17.

Hagan, Bernard A., Decatur, Ill. Disposable humidifier for cigarette packs. 2,623,781, Dec. 30.

Hagan Corporation, assignee: *See*— Markson, Alfred A., Vetter, Otto B.

Hagan, Owen C., assignor to California Cedar Products Company, Stockton, Calif. Testing wood. 2,606,294, Aug. 5.

Hagan, Robert E., Youngstown, Ohio. Scaffold connection. 2,613,114, Oct. 7.

Hagar, Ira B.: *See*— Kay, Billy C., and Hagar.

Hagby, Gustav V.: *See*— Dalin, David, Hagby, and Wykman.

Hage, Olof A., Lerum, Sweden. Combination lock. 2,621,509, Dec. 16.

Hage, Rasmus, Warren, Minn. Aerial navigation aid. 2,619,740, Dec. 2.

Hage, Sigurd D.: *See*— Linforth, Robert L., and Hage.

Hagedorn, Roy W., Denver, Colo. Tractor-implement hitch. 2,600,642, June 17.

Hagelgantz, Wesley, Bazine, Kans. Portable welder. 2,600,643, June 17.

Hageman, Aaron M., Verona, E. A. Jenkins, Fairlawn, and H. D. Fraser, Verona, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Infrared heating and cooking lamp. 2,622,222, Dec. 16.

Hagemann, August: *See*— Gottschall, Wilhelm, Kolling, and Hagemann.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of carboxyl compounds. 2,593,440, Apr. 22.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Making tetrapolyphosphoric phosphonates. 2,596,679, May 13.

Hagemeyer, Hugh J., Jr., and H. N. Wright, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Compositions comprising acrylonitrile polymers and acylated hexahydro-S-triazines. 2,585,242, Feb. 12.

Hagemeyer, Hugh J., Jr., and D. C. Hull, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Producing aldehyde esters. 2,610,203, Sept. 9.

Hagen, Adolph R., Chicago, Ill. Fish lure. 2,611,987, Sept. 30.

Hagen, Clarence R., and C. A. Kullgren, Chicago, Ill., assignors to International Harvester Company. Cotton picker spindle lubricating and moistening system. 2,593,671, Apr. 22.

Hagen, Glenn E.: *See*—
Hancock, Robert D., Williams, Hagen, and Andersen.
Williams, Charles R., and Hagen.

Hagen, Glenn E., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Gaseous pulse amplifier. 2,612,617, Sept. 30.

Hagen, Harold: *See*—
Smith, Albert C., and Hagen.

Hagen, Hobart I.: *See*—
Rasmussen, Clarence T., Frank, and Hagen.

Hagen, Jerry, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic control device. 2,620,466, Dec. 2.

Hagen, John P., Arlington, and A. H. Ryan, Alexandria, Va. Thyratron modulator. 2,590,098, Mar. 25.

Hagen, Robert C., Bridgeport, Conn., assignor to General Electric Company. Water inlet for dishwashers or the like. 2,619,977, Dec. 2.

Hagen, Roger, Plymouth, Wis., assignor to Western Newell Mfg. Co., Freeport, Ill. Can opener. 2,599,551, June 10.

Hagenau, Walter A., assignor to Builders Iron Foundry, Providence, R. I. Telemetric apparatus. 2,586,427, Feb. 19.

Hagenberg, Theodorus: *See*—
Mulder, Johannes G. W., and Hagenberg.

Hagenberg, Theodorus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric glow discharge tube. 2,617,067, Nov. 4.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Power winch or hoist. 2,582,987, Jan. 22.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,612,361, Sept. 30.

Hagenlocher, Ernest, Warren, Pa. Flexible coupling. 2,593,877, Apr. 22.

Hager, Benjamin F., Charlotte, N. C. Folding extensible table. 2,609,263, Sept. 2.

Hager, Edward T.: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.

Hager, Frederick M. M. J.: *See*—
Warren, John C. R., and Hager.

Hager, Guy Y.: *See*—
Leonard, Merrill G., and Hager.

Hager, John L., and E. W. Samford, Montebello, Calif. Key holder. 2,593,441, Apr. 22.

Hager, Karl F.: *See*—
Michel, Josef M., and Hager.

Hagerbaumer, William A.: *See*—
Sinclair, Edward L., and Hagerbaumer.
Utterback, Ernest, Hagerbaumer, and Dooley.

Hagerup, Carl F., Juneau, Territory of Alaska. Door for truck bodies. 2,592,027, Apr. 8.

Haggard, Harold L.: *See*—
Slocum, William L., and Haggard.

Haggerty, William T., Jr.: *See*—
Ward, George C., and Haggerty.

Haggerty, William T., Jr., and G. C. Ward, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Dyeing of organic derivative of cellulose textile material involving the steps of impregnating it with a free leuco vat-dyestuff, oxidation, and alkaline reduction of the oxidized dystuff. 2,598,786, June 3.

Haglund, Howard H., Pelham, N. Y., assignor to The Sperry Corporation. Angular rate gyroscope. 2,584,125, Feb. 5.

Hagner, Frederick H., San Antonio, Tex. Visual celestial navigation instrument. 2,593,141, Apr. 15.

Hagopian, Avides J., Springfield, Mass. Work holder. 2,595,137, Apr. 29.

Hagopian, Avides J., Springfield, Mass. Reciprocating web feed. 2,611,609, Sept. 23.

Hagopian, Richard H., Halethrope, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating especially for spools of rayon thread. 2,586,328, Feb. 19.

Hagopian, Richard H., Halethorpe, and M. P. Vore, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power system. 2,623,997, Dec. 30.

Hagopian, Vahan, assignor to The Plastic Barrel Corporation, New York, N. Y. Container. 2,620,963, Dec. 9.

Hagquist, Arne, Oslo, Norway. Sewing machine. 2,584,013, Jan. 29.

Hagquist, Arne, Oslo, Norway. Electromagnetic shuttle for sewing machines. 2,608,945, Sept. 2.

Hagquist, Gustaf E., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Bowling alley backstop mechanism. 2,611,614, Sept. 23.

Hague, Alfred E.: *See*—
Flint, Erlon W., Hague, Joel, and Rippere.

Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,615,628, Oct. 28.

Hague, Charles W., Englewood, Colo. Spinal massage and exercising device. 2,619,957, Dec. 2.

Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion chamber for gas turbines with circumferentially arranged pulverized solid fuel and air nozzles. 2,601,390, June 24.

Hague, Robert Z.: *See*—
Alexanderson, Howard A., and Hague.

Hagwell, Edward R., Longview, Wash. Supplemental collapsible extension table top. 2,595,845, May 6.

Hahn, Alfred, Forest Hills, assignor to Union Novelty Company, Inc., New York, N. Y. Picture art set. 2,588,321, Mar. 4.

Hahn, Alfred Z.: *See*—
Bonacci, Louis N., and Hahn.

Hahn, Alfred Z., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Rotary electrical precipitator. 2,609,061, Sept. 2.

Hahn, Charles A., Chicago, Ill. Projection light source and light beam modifier combination. 2,604,005, July 22.

Hahn, Harry, Bronx, assignor to Steelcraft Tool Manufacturing Corp., New York, N. Y. Dual tone reed horn. 2,594,013, Apr. 22.

Hahn, Johann, Brooklyn, N. Y. Pipe testing machine. 2,610,651, Sept. 16.

Hahn & Kolb, assignee: *See*—
Venus, Willibald W.

Hahn, Max M.: *See*—
Glaser, Leo, and Hahn.

Hahn, Paul T.: *See*—
Weaver, Ruth K., and Hahn.

Hahn, Paul T., Detroit, Mich., assignor to Eureka Williams Corporation. Agitator mounting for suction cleaners. 2,607,069, Aug. 19.

Hahn, Peter J., Sr., assignor to P. J. Hahn & Sons Company, Chicago, Ill. Typeholder socket. 2,615,395. Oct. 28.

Hahn, Peter J., Sr., assignor to Peter J. Hahn & Sons Company, Chicago, Ill. Type holding apparatus. 2,618,220, Nov. 18.

Hahn, Peter J., & Sons Company, assignee: *See*—
Hahn, Peter J., Sr.

Hahn, Rea I., and B. E. Frank, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Apparatus for sizing tubing. 2,585,459, Feb. 12.

Hahne, Anna M., Warminster, Pa. Combined pillowcase and bed sheet. 2,586,031, Feb. 19.

Haig, Elmer A.: *See*—
Comegys, Courtney L., and Haig.

Haigh, Frederick R.: *See*—
Koerner, Ernst C., Ehrhardt, Haigh, and Kirchhof.

Haigh, Leslie B.: *See*—
Hartley, George C., Reynolds, and Haigh.

Hailey, William H., Kansas City, assignor to Schreiber Mills, Inc., St. Joseph, Mo. Control system. 2,613,878, Oct. 14.

Hain, George M., United States Navy. Joint lubricant and sealing composition. 2,581,407, Jan. 8.

Haine, Walter A., Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Powdering polyethylene. 2,582,327, Jan. 15.

Haines, Alvin B.: *See*—
King, Kenneth M., and Haines.

Haines, Edward, Philadelphia, Pa. Portable water operated rotary cleaning brush. 2,599,911, June 10.

Haines, Edward C., Moorestown, assignor to Geo. D. Wetherill Varnish Co., Inc., Camden, N. J. Copolymerization of vinyl monomers with fatty oils, fatty acids, resins and the like. 2,602,071, July 1.

Haines, Emmy P., Jackson Heights, N. Y. Body protector. 2,603,786, July 22.

Haines, George S., South Charleston, and F. D. Heindel, St. Albans, W. Va., assignors to Food Machinery and Chemical Corporation, Wilmington, Del. Detection and quantitative determination of halogenated hydrocarbons in atmosphere. 2,593,878, Apr. 22.

Haines, John F.: *See*—
Blanchard, Werner J., Haines, Martin, and MacNeil.

Haines, John F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller pitch control. 2,583,172, Jan. 22.

Haines, Malcolm P., Indianapolis, Ind., assignor to The Sheffield Corporation, Dayton, Ohio. Snap gauge. 2,622,331, Dec. 23.

Haines, Marcus W., Long Beach, assignor to Vernon Tool Co. Ltd., Alhambra, Calif. Well pumping system. 2,596,146, May 13.

Haines, Sidney R., West Norwood, assignor to Powers-Samas Accounting Machines Limited, London, England. Paper feeding mechanism for statistical machines. 2,591,150, Apr. 1.

Haines, Sidney R., West Norwood, London, assignor to Powers-Samas Accounting Machines Limited, London, England. Total-taking control mechanism for record card controlled statistical machines. 2,607,527, Aug. 19.

Haines, William T., Mountain Lakes, N. J., and J. B. Newsom, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar tandem office for step-by-step telephone areas. 2,594,014, Apr. 22.

Hair, Emma, Savannah, Ga. Disposable feeding bottle for babies. 2,599,630, June 10.

Hair, Ernest E., Jr., Belton, Tex. Bait rig. 2,604,716, July 29.

Halselup, George F., Indianapolis, Ind. Target type toy with pivoted targets. 2,587,042, Feb. 26.

Halslip, Albert S., Fredericksburg, Va. Collapsible camp stove. 2,597,477, May 20.

Halt, James M., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Driven dirigible dual front wheel unit for tractors. 2,590,174, Mar. 25.

Halt, James M., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Pull-rod rotary whole citrus juicer. 2,608,152, Aug. 26.

Halt, James M., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Insecticide spreading machine. 2,620,230, Dec. 2.

Hajdu, Julius, Cleveland, Ohio. Fastening device. 2,590,175, Mar. 25.

Hajduk, Thaddeus J.: *See*—
Conway, Philip W., and Hajduk.

Hajek, Otto, assignor to Alex. Friedman Kommanditt-Gesellschaft, Vienna, Austria. Multiple outlet lubricating pump. 2,606,496, Aug. 12.

Hajek, William J., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Temperature controller for air-conditioning systems. 2,584,445, Feb. 5.

Hajos, Joseph L., New York, and G. Vollet, Freeport, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Snap hook for wrist watch bands. 2,582,828, Jan. 15.

Hakala, Nillo V.: *See*—
McNab, John G., Hakala, and McDermott.
Michaels, Adlai E., and Hakala.

Hake, Emil C., St. Louis, Mo. Folding chair. 2,589,372, Mar. 18.

Hakes, Marie W., Eureka, Ill. Seam presser. 2,606,434, Aug. 12.

Hakkarinen, William, Washington, D. C. Electric organ. 2,593,442, Apr. 22.

Hakkerup, Alfred A. S., New Hyde Park, N. Y. Bumper tool. 2,616,317, Nov. 4.

Hakomaki, Raymond I.: *See*—
Huch, William F., and Hakomaki.

Hala, Alfred A., Bay Shore, N. Y. Truck loading and unloading apparatus especially suited for masonry units. 2,605,914, Aug. 5.

Halahan, John, T. F. Aronson, and F. A. Lyon, Elmhurst, assignors to Remington Rand Inc., New York, N. Y. Variable-speed coupling. 2,585,460, Feb. 12.

Halahan, John, Jackson Heights, T. F. Aronson, Valley Stream, and F. A. Lyon, Brookville, assignors to Berlin & Jones Co., Inc., New York, N. Y. Thermosealing attachment. 2,596,680, May 13.

Halahan, John, Jackson Heights, F. A. Lyon, Hillside Heights, N. Y., L. H. Mortimer, Caldwell, N. J., and T. F. Aronson, St. Albans, N. Y., assignors, by mesne assignments, to Microfilming Corporation of America, Maywood, N. J. Sheet feeding means for copying cameras. 2,616,691, Nov. 4.

Halben Chemical Co., Inc., assignee: *See*—
Howard, Newell L., and Engstrom.

Halden, Alfred A., assignor to National Starch Products Inc., New York, N. Y. Making a cold-mixing food starch powder. 2,613,150, Oct. 7.

Hale, Albert L., and W. T. Tolhurst, Tipton, assignors to W. G. Allen and Sons (Tipton) Limited, Princes End Works, Tipton Staffordshire, England. Coupling for railroad vehicles. 2,605,003, July 29.

Hale, Cecil H., Baton Rouge, La., assignor to Standard Oil Development Company. Topped oxo alcohol treatment by caustic and air. 2,595,785, May 6.

Hale, Cecil H., Baton Rouge, La., assignor to Standard Oil Development Company. Iron removal from aldehyde synthesis process. 2,604,491, July 22.

Hale, Cecil H., and C. E. Starr, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Treatment of topped oxo alcohol with molecular oxygen and caustic. 2,595,786, May 6.

Hale, Clifford E., Ann Arbor, and W. L. McKenna, Ypsilanti, assignors, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Locking mechanism for folding tops. 2,586,648, Feb. 19.

Hale, Douglas, University City, Mo., and E. J. Carpenter, Battle Creek, Mich., assignors to Ralston Purina Company, St. Louis, Mo. Manufacture of cereal food products. 2,600,532, June 17.

Hale, Gerald A., assignor to Magee-Hale Park-O-Meter Company Oklahoma City, Okla. Coin tube and opener therefor. 2,599,912, June 10.

Hale, Gerald A., Oklahoma City, Okla. Coin collector. 2,620,971, Dec. 9.

Hale, Harold E., assignee: *See*—
Chisholm, Laurence A.

Hale, Henry E., Freeport, N. Y., assignor to Fairchild Camera and Instrument Corporation. Gyrostabilizing system. 2,592,417, Apr. 8.

Hale, Ivan L., Central Point, Oreg. Hook type sawmill log turner. 2,597,319, May 20.

Hale, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rim. 2,604,921, July 29.

Hale, John S., Augusta County, near Staunton, Va. Dam spillway and operating the same. 2,616,266, Nov. 4.

Hale, Loren, assignor to Stuk-O-Rite, Inc., Tulsa, Okla. Apparatus for mixing or agitating coating and granular materials. 2,608,393, Aug. 26.

Hale, Ronald F.: *See*—
Bywater, James E., and Hale.

Hale, William E., Fort Washington, assignor to Beaumont Birch Company, Philadelphia, Pa. Air-metering intake. 2,595,654, May 6.

Hale, William F.: *See*—
Olson, Henry L., Hale, and Miller.

Hale, William J., Midland, assignor to Verdurin Company, Detroit, Mich. Treating coffee. 2,607,689, Aug. 19.

Hales, Everett B.: *See*—
Greenwood, Ivan A., Jr., and Hales.

Hales, Everett B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Balanced demodulator. 2,597,725, May 20.

Hales, Everett B., Mount Kisco, N. Y., assignor to General Precision Laboratory Incorporated. Linear detector. 2,594,769, Apr. 29.

Hales, Everett B., Mount Kisco, N. Y., assignor to General Precision Laboratory Incorporated. Color television recording apparatus. 2,600,868, June 17.

Hales, Everett B., Mount Kisco, N. Y., assignor to General Precision Laboratory Incorporated. Triangle solver. 2,610,789, Sept. 16.

Haley, Archie B.: *See*—
Anderson, Emitt S., and Haley.

Haley, Edwin D., McComb, Ohio. Machine for planting grain between rows of standing corn and the like. 2,586,032, Feb. 19.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Metallically sheathed bucket rim. 2,586,033, Feb. 19.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Metallic bucket liner. 2,592,562, Apr. 15.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Composite spinning bucket. 2,604,751, July 29.

Haley, Robert J., Longmeadow, Mass. Suspended work seat for dentists. 2,589,803, Mar. 18.

Haley, William B., Jr., Albany, Ga. Movable book support. 2,615,279, Oct. 28.

Haley, William J., Elizabeth, N. J. Tamperproof sealed barrel closure. 2,581,187, Jan. 1.

Halford, Frank B., Edgware, A. V. Cleaver, London, and E. B. Dove, East Barnet, assignors to The De Havilland Engine Company Limited, Stonegrove, Edgware, England. Propellant injection system for rocket motors. 2,601,607, June 24.

Halford, Frank B., Edgware, A. V. Cleaver, London, and E. B. Dove, East Barnet, assignors to The De Havilland Engine Company Limited, Stonegrove, Edgware, England. Propellent injection system with safety valve to cutoff fluid pressure supply. 2,612,019, Sept. 30.

Halfpap, Paul A., and E. P. McDermott, Fort Dodge, Iowa. Fishing pole holder. 2,592,688, Apr. 15.

Halgar Incorporated, assignee: *See*—
Hall, Frank G.

Halgren, Henry A.: *See*—
Swenson, William E., and Halgren.

Halgren, Henry A., and V. N. Albertson, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Hydraulically operated check valve mechanism. 2,588,520, Mar. 11.

Halkyard, Haro'd: *See*—
Eccles, Thomas, and Halkyard.

Hall, Adelaide, Los Angeles, Calif. Insert for handbags. 2,620,005, Dec. 2.

Hall, Alan M., Leicester, England, assignor to B. B. Chemical Co., Boston, Mass. Stabilization of latex and stabilized compositions. 2,610,158, Sept. 9.

Hall, Alan M., Leicester, England, assignor to B. B. Chemical Co., Boston, Mass. Stabilizong latex and stabilized latex compositions. 2,610,216, Sept. 9.

Hall, Allen E., Philadelphia, Pa. Track magnetizing wheel. 2,603,164, July 15.

Hall, Allen E., Philadelphia, Pa. Radial steam motor. 2,603,194, July 15.

Hall, Arthur: *See*—
Bedford, Howard E., and Hall.

Hall, Arthur E.: *See*—
Lapetina, Herbert N., and Hall.

Hall, Ben D.: *See*—
Stephenson, Harry W., and Hall.

Hall Brothers, assignee: *See*—
Hall, Frederick L.

Hall Brothers, Inc., assignee: *See*—
O'Hara, Jack B.

Hall, Carlyle, Berkeley, Calif. Automobile lift. 2,610,747, Sept. 16.

Hall, Charles F., Berkeley, Calif. Convection-compensating centrifuge. 2,584,345, Feb. 5.

Hall, Charles T., Deptford, London, assignor to Molins Machine Company Limited, London, England. Cover feed for wrapping or packing machines. 2,614,374, Oct. 21.

Hall, Charles W., Denver, assignor to M. S. Losey, Lakewood, Colo. Rotary valve with liquid fuel injection port. 2,587,842, Mar. 4.

Hall, Chester I., Vischer's Ferry, and J. L. Slonneger, Alplaus, N. Y., assignors to General Electric Company. Overload protective switch. 2,595,846, May 6.
Hall, Chester I., Schenectady, and J. L. Slonneger, Scotia, N. Y., assignors to General Electric Company. Thermally actuated switch. 2,602,133, July 1.
Hall China Co., The, assignee: *See*—
Guthrie, George B.
Hall, Clarence C., Cleveland, Ohio. Building block. 2,610,503, Sept. 16.
Hall, Claude C., Philadelphia, R. W. Hompe, Ithan, Pa., and J. A. Martell, Westville, N. J., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Labeling machine. 2,608,316, Aug. 26.
Hall, Clifford A., assignee: *See*—
Lavender, James L.
Hall, Cortlee H., Birmingham, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Solid fuel stoking mechanism. 2,607,468, Aug. 19.
Hall, Dianne, Los Angeles, Calif. Nursing bottle rinser and sprayer. 2,610,894, Sept. 16.
Hall, Donald F., Phoenix, Ariz. Vertical shutter. 2,607,452, Aug. 19.
Hall, Donald L., assignor to Barber-Colman Company, Rockford, Ill. Measuring system. 2,594,428, Apr. 29.
Hall, Douglas W.: *See*—
Gresham, Harold E., and Hall.
Hall, Earl D., Meadville, Pa., and H. D. Barber, Shaker Heights, Ohio. Boiler water reclaiming device. 2,604,209, July 22.
Hall, Earl R.: *See*—
Scruggs, Thomas M., and Hall.
Hall, Edward H., Fitchburg, Mass. Paper mill felt. 2,612,190, Sept. 30.
Hall, Edwin S., Farmington, Conn. Barrel engine. 2,583,564, Jan. 29.
Hall, Edwin L., Cleveland Heights, Ohio, assignor to American Gas Association, Incorporated, New York, N. Y. Manufacturing oil gas. 2,580,766, Jan. 1.
Hall, Edwin L., Cleveland Heights, Ohio, assignor to American Gas Association, Incorporated, New York, N. Y. Manufacturing oil gas. 2,580,767, Jan. 1.
Hall, Elisha W., Scituate, Mass. Buffing wheel section. 2,593,672, Apr. 22.
Hall, Elisha W., Scituate, Mass. Buffing wheel section. 2,593,673, Apr. 22.
Hall, Elwin B., Los Angeles, E. F. Snyder, Long Beach, and C. S. Seybold, Jr., Gardena, Calif. Method and composition for treating wells. 2,580,765, Jan. 1.
Hall, Floyd C.: *See*—
Hall, Tilden F. and F. C.
Hall, Frank G., assignor to Halgar Incorporated, Chicago, Ill. Hairpin. Re. 23,574, Nov. 11.
Hall, Frank G., assignor to Halgar Incorporated, Chicago, Ill. Hair pin. 2,599,447, June 3.
Hall, Frank G., Chicago, Ill. Hairpin. 2,614,570, Oct. 21.
Hall, Frederick L., assignor to Hall Brothers, Snow Shoe, Pa. Marking knitted fabrics. 2,597,720, May 20.
Hall, George E., Flint, Mich. Gauge for cone tipped tools. 2,608,767, Sept. 2.
Hall, Guy H., assignee: *See*—
Ernest, Fred.
Hall, Harvey H., Denver, Colo. Electrically actuated closure operator. 2,592,891, Apr. 15.
Hall, Harvey H., Denver, Colo. Overhead garage door operator. 2,612,371, Sept. 30.
Hall, Herbert J., Princeton, N. J., assignor to Research Corporation, New York, N. Y. System for energizing electrical precipitators. 2,623,608, Dec. 30.
Hall, James E., Mount Vernon, and E. A. Heiss, Bothell, Wash., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Stabilization of color in fruit. 2,592,563, Apr. 15.
Hall, James H., Lake Bluff, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Rectifier assembly. 2,623,104, Dec. 23.
Hall, Jesse E., assignor of ten per cent to Parker Industrial Products, Inc., Weatherford, Tex. Cementing shoe for well casing. 2,606,617, Aug. 12.
Hall, John D., Welwyn Garden City, B. P. Ridge, Potters Bar, and J. R. Whinfield, Hampstead, London, England, assignors to Imperial Chemical Industries Limited. Lightweight polymethylene terephthalate fabric produced by alkali treatment. 2,590,402, Mar. 25.
Hall, John G.: *See*—
Compton, Sherman W., and Hall.
Hall, John K., Miami, Fla. Fishhook releaser. 2,608,785, Sept. 2.
Hall, Joseph M., Chicago, Ill. Color density analyzer. 2,608,125, Aug. 26.
Hall, Kenneth J.: *See*—
Beatrice, Gabriel C., and Hall.
Hall, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin tip support for magazines. 2,617,449, Nov. 11.
Hall Laboratories, Inc., assignee: *See*—
Albrecht, Kurt.
Munter, Casimir J.
Partridge, Everett P.
Redman, Franklin T., Jr.
Hall, Leland V.: *See*—
Grant, David, and Hall.
Hall Machine and Iron Works, Inc., assignee: *See*—
Holmes, Earl W.
Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Apparatus for forming individual record strips. 2,620,034, Dec. 2.
Hall, Michael F., Palm Springs, Calif. Humidifier and air cleaner. 2,605,752, Aug. 5.
Hall, Mitchell A., Fort Thomas, Ky., assignor to Bar-B-Buns, Inc., Norwood, Ohio. Sandwich grill. 2,587,314, Feb. 26.
Hall, Nathan I.: *See*—
Bruce, Edmond, and Hall.
Hall, Newton L., Long Beach, Calif. Rotary grinding or drying mill. 2,580,541, Jan. 1.
Hall, Norman D., Washington, D. C. Magazine type razor. 2,585,384, Feb. 12.
Hall, Oliver C., Fair Lawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary out-trunk switching arrangement. 2,609,456, Sept. 2.
Hall, Phillip L., New York, N. Y. Built-in deck chair. 2,583,372, Jan. 22.
Hall, Robert C., Evergreen, and R. E. Mock, Denver, Colo. Protective cover for automobile storage batteries. 2,614,598, Oct. 21.
Hall, Roger N.: *See*—
Fremlin, John H., and Hall.
Hall, Roland A., Dunwoody, Ga., assignor to Tennessee Valley Authority. Centrifuge. 2,609,617, Sept. 9.
Hall, Rolland G., Yalesville, Conn., and S. M. Hill, Sherrill, N. Y., assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Hydraulic actuating mechanism for machining implements. 2,582,328, Jan. 15.
Hall, Rupert E., Houston, Tex. Anchorage for artificial teeth. 2,600,496, June 17.
Hall, Sherwood C., Redwood City, Calif. Rope forming machine. 2,602,283, July 8.
Hall, Stanley A.: *See*—
Edwards, Fred L., and Hall.
Hall, Stephen N.: *See*—
Miller, Leo A., Dunn, Neher, and Hall.
Hall, Theodore P.: *See*—
Laddon, Isaac M., and Hall.
Hall, Theodore P., San Diego, Calif. Automotive vehicle adapted to be airborne. 2,619,184, Nov. 25.
Hall, Theodore P., San Diego, Calif. Flight component for ground vehicles adapted to be airborne. 2,619,301, Nov. 25.
Hall, Tilden F. and F. C., Denver, Colo. Vehicle attached parking device. 2,593,024, Apr. 15.
Hall, Vincent C., Stamford, Conn., assignor to Time, Incorporated, New York, N. Y. Unsharp mask in electronic color correction. 2,606,245, Aug. 5.
Hall, Vincent C., Stamford, and W. W. Moe, Stratford, Conn., assignors to Time, Incorporated, New York, N. Y. Color separation negative. 2,605,348, July 29.
Hall, Vincent C., Jr.: *See*—
Mellen, Glenn L., and Hall.
Hall, W. F., Printing Company, assignee: *See*—
Ackley, Raymond E.
Hall, Warren D., Oakland, Calif. Binding strap anchoring means. 2,581,529, Jan. 8.
Hall, Wayne C., Alhambra, Calif. Machine for applying protective coating to pipes. 2,602,415, July 8.
Hall, William D., Washington, D. C. Burner control system. 2,601,892, July 1.
Hall, William M., Lexington, Mass., assignor to the United States of America as represented by the Secretary of the Navy. System of radio echo detection. 2,610,320, Sept. 9.
Hall, William M., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Heating apparatus. 2,618,735, Nov. 18.
Hall, William M., Lexington, and H. N. Beveridge, Arlington, assignors to Raytheon Manufacturing Company, Newton, Mass. Radar moving target indicating system. 2,597,636, May 20.
Hall, William P.: *See*—
Billingsley, George A., Jr., and Hall.
Lippert, Arnold L., and Hall.
Nuessle, Albert C., and Hall.
Halladay, Girneth M., Jackson, Mich. Cooking spoon holder. 2,605,624, Aug. 5.
Hallas-Moller, Knud, Holte, and K. Peterson, assignors to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark. Preparation of ammonium penicillin. 2,590,403, Mar. 25.
Hallauer, Walter, Schaffhausen, Switzerland. Fastener for show windows. 2,602,528, July 8.
Hallauer, Walter, Schaffhausen, Switzerland. Frame for securing display windowpanes. 2,620,905, Dec. 9.
Hallden, Frederick G.: *See*—
Ridings, Garvice H., Hallden, and Currie.
Hallenback, George A.: *See*—
Clark, David M., Wilder, Wood, and Hallenback.
Haller, Augustine C., Berwyn, Md. Airplane with movable wing tips. 2,582,118, Jan. 8.
Haller, George L., Dayton, Ohio. Remote-control system with supervisory means. 2,594,305, Apr. 29.
Haller, John, Detroit, Mich. Pressure fluid clamp. 2,586,536, Feb. 19.
Haller, John, Detroit, Mich. Intermittent reciprocatory feeding apparatus. 2,622,874, Dec. 23.

Haller, John, Northville, Mich. Machine for sizing bushings. 2,583,943, Feb. 26.
Haller, John, Northville, Mich. Compound hydraulic motor with telescoping pistons. 2,608,826, Sept. 2.
Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Precipitating tower. 2,585,385, Feb. 12.
Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Analytical method. 2,617,715, Nov. 11.
Haller, Reinhold: *See*—
Uhink, Friedrich, Lautenbach, Irtenkauf, Fickenscher, and Haller.
Haller, Robert B., Wilkinsburg, and W. P. Yant, Murraysville, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Pocket respirator. 2,610,624, Sept. 16.
Hallerberg, Theodore W., Chicago, Ill. Pressure sensitive switch. 2,582,483, Jan. 15.
Hallett, Kenneth G. D.: *See*—
Courtis, Arthur W., and Hallett.
Hallewell, Harold S., assignee: *See*—
Porter, Charles B. A.
Hallgren, Karl S., Copenhagen, Denmark. Manufacture of elastic rubber tires. 2,612,461, Sept. 30.
Halliburton, Erle P., Los Angeles, Calif. Offshore drilling means. 2,600,761, June 17.
Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Multiple zone testing. 2,609,878, Sept. 9.
Halliburton Oil Well Cementing Company, assignee: *See*—
Halliburton, Erle P.
McClendon, Wallace R.
Morrisett, O. L.
Hallicrafters Co., The, assignee: *See*—
Samuelson, Robert E.
Halliday, Harold F., assignee: *See*—
Jackson, William J. R.
Halliday, Thomas W., Los Angeles, Calif. Sponge counter holder. 2,588,110, Mar. 4.
Hallinan, William W., Racine, Wis. High-pressure filter. 2,583,423, Jan. 22.
Hallman, Nils J.: *See*—
Berg, Gösta V., and Hallman.
Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Charge storage television tube. 2,585,008, Feb. 12.
Hallmark, Gordon, assignee: *See*—
Adams, William B.
Hallock, Eugene D., Snyder, N. Y., and P. E. Whittington, Arlington, Va. Can opener. 2,583,565, Jan. 29.
Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Self-locking nut. 2,598,052, May 27.
Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Self-locking nail. 2,603,121, July 15.
Hallock, Robert L., Larchmont, N. Y. Adjustable shelf. 2,609,267, Sept. 2.
Hallonquist, Earl G., assignor to Plywood Research Foundation, Tacoma, Wash. Dry process for making composite consolidated products with controlled presteaming of the raw materials. 2,581,654, Jan. 8.
Halloran, Ben E., Terminal Island, Calif., assignor to The Texas Company, New York, N. Y. Drum hoisting and conveying apparatus. 2,620,937, Dec. 9.
Halloran, Edward J., Hamilton, Ontario, Canada. Automobile stabilizing counterweight. 2,582,628, Jan. 15.
Hallowell, Howard T., Jr., Dydal, and F. Bennett, Philadelphia, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Anchoring means for adjustable backs of metal chairs. 2,614,614, Oct. 21.
Halls, James H. C., assignor to Carrier Engineering Company, Limited, London, England. Method and apparatus for coating vehicle bodies. 2,598,163, May 27.
Hallum, Andrew, Lanesboro, Minn. Torch for heating watermelon hills. 2,609,641, Sept. 9.
Hallwood, Nathan A., deceased: T. T. Hallwood, administratrix de bonis non, assignor to T. T. Hallwood, Columbus, Ohio. Scale. 2,610,844, Sept. 16.
Hallwood, Thelma T., administratrix de bonis non, assignee: *See*—
Hallwood, Nathan A.
Hally, John J., Columbus, Ohio. Attachment for fork lift trucks. 2,584,870, Feb. 5.
Halmrast, Anna C., executrix: *See*—
Halmrast, Carl L.
Halmrast, Carl L., deceased, Vancouver, British Columbia, Canada, A. C. Halmrast, executrix of said C. L. Halmrast. Sterilizing apparatus. 2,592,687, Apr. 15.
Halold Company, The, assignee: *See*—
Mayo, Clyde R.
Sabel, Edward R., and Galbrecht.
Sabel, Edward R., and Macey.
Walkup, Lewis E.
Walkup, Lewis E., Copley, and Beckdahl.
Halonen, Harry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Torch cutting machine for large pipe and the like. 2,622,327, Dec. 23.
Halper, George J., assignee: *See*—
Schaefer, Edward E.
Halper, Sylvia, Chicago, Ill. Brassière. 2,623,212, Dec. 30.
Halpern, Alan, assignor to Bartmann & Bixer, Inc., New York, N. Y. Curtain construction. 2,583,529, Jan. 29.
Halpern, Alfred, Pittsburgh, Pa., assignor to E. Fougera & Co., Inc., New York, N. Y. Diuretic mercury compounds. 2,592,418, Apr. 8.
Halpern, Alfred and C. H. Bradney, assignor to E. Fougera & Co., Inc., New York, N. Y. Dietary salt substitute. 2,596,333, May 13.
Halpern, Bernard R., New York, assignor to Zarkin Machine Co., Inc., Long Island City, N. Y. Vacuum printing frame. 2,594,920, Apr. 29.
Halpern, Johannes W., Vesterbrogade 136″, Copenhagen, Denmark. Control system for pneumatic dispatch systems. 2,601,391, June 24.
Halpert, Beno: *See*—
Feigl, Charles, and Halpert.
Halpert, Percy, Hempstead, N. Y., assignor to The Sperry Corporation. Aircraft automatic pilot. 2,586,034, Feb. 19.
Hals, Lyle J.: *See*—
Pearlson, Wilbur H., and Hals.
Halsall, Thomas M., Coldwater, assignor to L. A. Darling Company, Bronson, Mich. Pressure molding laminates. 2,614,955, Oct. 21.
Halsey, Hyrame D., Cambridge City, Ind. Necktie attachment. 2,605,473, Aug. 5.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cross feed cutter. 2,615,451, Oct. 28.
Halstead, John P., Buffalo, N. Y. Copyholder. 2,596,239, May 13.
Halstead, Ralph T., C. L. E. de Gaugue and F. Lombardy, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Reinforced friction facing. 2,599,826, June 10.
Halstead, Richard L., assignor to R. P. Scherer Corporation, Detroit, Mich. Making containers. 2,597,986, May 27.
Halsted, Richard J.: *See*—
Drapeau, Joseph E., Jr., Smith, and Halsted.
Haltenberger, Jules, La Jolla, Calif. Motor vehicle fender and fender shield construction. 2,613,085, Oct. 7.
Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system for dynamoelectric machine utilizing a magnetically controlled electric valve. 2,594,015, Apr. 22.
Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system for matching the speeds of mills and reels. 2,601,957, July 1.
Halterman, John W., Los Angeles, Calif. Shaver-clipper. 2,611,177, Sept. 23.
Halterman, John W., Los Angeles, Calif. Motor-driven shaver or hair clipper. 2,617,183, Nov. 11.
Haltom, Alfred A., Alva, Okla. Removable bearing. 2,618,518, Nov. 18.
Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Automatic telegraph switching. 2,599,988, June 10.
Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Record card controlled code converter. 2,604,538, July 22.
Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Message numbering device. 2,613,265, Oct. 7.
Halvorsen, Wilmet P., Red Wing, Minn. Dispenser with slidable pressure plates for collapsible tubes. 2,613,853, Oct. 14.
Halvorson, H. Orin, St. Paul, Minn. Treating sewage. 2,590,964, Apr. 1.
Halvorson, Lord W., Duluth, Minn. Key assembly for musical instruments. 2,586,944, Feb. 26.
Halward, Folke, Detroit, Mich. Die casting machine. 2,582,029, Jan. 8.
Halward, Folke, Detroit, Mich. Piston lock for die casting and other machines. 2,582,030, Jan. 8.
Halza, John T., Hazleton, Pa. Apparatus for separating materials. 2,620,067, Dec. 2.
Ham, George E.: *See*—
Anderson, John, Mecorney, and Ham.
Ringwald, Eugene L., and Ham.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Fiber spinning composition comprising solutions of vinylidene chloride polymers in tris (N,N-dimethylamino) phosphene oxide. 2,587,464, Feb. 26.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Dyeable acrylonitrile copolymers. 2,595,575, May 6.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Composition comprising diethyl phosphite and a copolymer of acrylonitrile. 2,595,847, May 6.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Dyeable copolymers. 2,595,848, May 6.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Solutions of acrylonitrile polymers in tetrakis (N,N-dimethylamido) pyrophosphate. 2,606,168, Aug. 5.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymerizing acrylonitrile and vinylidene chloride at constant reflux temperature. 2,610,173, Sept. 9.

Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Solutions of acrylonitrile polymers reacted with a trialkyl amine. 2,613,196, Oct. 7.

Ham, George E., and E. C. Chapin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Solution polymerization of acrylonitrile polymers in aqueous alcohol mixtures. 2,587,465, Feb. 26.

Ham, James O., Goldsboro, N. C. Shock absorbing tow bar. 2,585,768, Feb. 12.

Ham, Oscar: *See*—
Schatz, Elmer E., and Ham.

Hamacher, Edward A., assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. System for recording X-ray diffraction data. 2,609,144, Sept. 2.

Hamacher, Edward A., North Tarrytown, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. X-ray spectrometry. 2,619,600, Nov. 25.

Hamacher, Karl F., Milwaukee, Wis. Wet blasting apparatus. 2,613,482, Oct. 14.

Hamacher, William E., St. Louis, Mo. Making barrels. 2,593,753, Apr. 22.

Haman, Ralph W.: *See*—
Murphy, Frank L., Haman, and Kay.

Haman, Robert W.: *See*—
Bruce, Roy A., and Haman.

Hamar, James V.: *See*—
Chisholm, Allen E., and Hamar.

Hamburger, Erna: *See*—
Karolus, August, Hamburger, and Henry.

Hamby, Walter W., assignor of one-fifth to I. C. Adams, Dalton, Ga. Multiple needle tufting machine. 2,595,355, May 6.

Hamer, Alfred A., Alexandria, Va. Hanger construction for supporting meat hooks. 2,590,533, Mar. 25.

Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Line blind construction. 2,600,497, June 17.

Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Blinding device for pipe lines. 2,615,473, Oct. 28.

Hamer, Leland S., Long Beach, assignor of one-quarter to P. A. Dewhirst, Los Angeles, Calif. Gate valve. 2,616,655, Nov. 4.

Hamerly, Hugo A., and S. H. Wright, Chicago, Ill.; said Wright, assignor to said Hamerly. Device for gauging recess diameters. 2,600,498, June 17.

Hamill, William H.: *See*—
Vogt, Richard, and Hamill.

Hamill, William W., Little Aston, England. Differential inertia speed responsive device. 2,598,164, May 27.

Hamill, William W., Little Aston, England. Means for controlling, regulating, or governing speeds of rotation. 2,622,532, Dec. 23.

Hamisch, Paul H., assignor to The Monarch Marking System Company, Dayton, Ohio. Marking tag machine counter device. 2,622,804, Dec. 23.

Hamilton, Andrew C., Jr., Dallas, Tex. Sealing openings in well casings and earth formations. 2,612,954, Oct. 7.

Hamilton Art Metal Corporation, assignee: *See*—
Wedemeyer, Eric.

Hamilton, Arthur R.: *See*—
Bachia, Richard A., and Hamilton.

Hamilton, Bert C., assignor to Hamilton Tool Co. Inc., La Grande, Oreg. Bushing replacer. 2,586,222, Feb. 19.

Hamilton, Bert C., assignor to Hamilton Tool Co. Inc., La Grande, Oreg. Multiple bushing replacer. 2,596,549, May 13.

Hamilton, Bertis F., Columbus, Ind. Stool. 2,598,788, June 3.

Hamilton, Bertis F., Columbus, Ind. Waste can closure operator and support. 2,615,663, Oct. 28.

Hamilton, Billy H., Orange, and H. H. Spencer, Springfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating apparatus. 2,619,631, Nov. 25.

Hamilton, Donald R.: *See*—
Snow, Donald L., Ginzton, and Hamilton.

Hamilton, Donald R., Princeton, N. J., assignor to The Sperry Corporation. High-frequency electron discharge device. 2,581,408, Jan. 8.

Hamilton, Donald R., Princeton, N. J., assignor to The Sperry Corporation. Ultrahigh-frequency variable impedance element. 2,602,175, July 1.

Hamilton, Francis E.: *See*—
Lake, Clair D., Aiken, Hamilton, and Durfee.
Lake, Clair D., Hamilton, and Durfee.

Hamilton, Francis E., Endicott, R. R. Seeber, Jr., Scarsdale, and R. W. Prentice, Newark Valley, assignors to International Business Machines Corporation, New York, N. Y. Data look-up apparatus for computing or other machines. 2,580,768, Jan. 1.

Hamilton, George E.: *See*—
Hogue, Alfred L., and Hamilton.

Hamilton, James K., Plainfield, N. J., assignor to Air Reduction Company, Incorporated. Pilot controlled gas pressure regulator. 2,593,557, Apr. 22.

Hamilton, James O., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand serving apparatus. 2,595,138, Apr. 29.

Hamilton, Joseph E., and A. L. Banister, Hodges, S. C. Moving filling out of the path of travel of the shuttle of a loom. 2,603,243, July 15.

Hamilton, Karl M., Chicago, Ill. Railroad car truck. 2,583,144, Jan. 22.

Hamilton, Kenneth, Jr., Harrowers, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Method and apparatus for making pile fabrics. 2,600,241, June 10.

Hamilton-Kent Manufacturing Company, assignee: *See*—
Nathan, Tracy D.

Hamilton Manufacturing Company, assignee: *See*—
Froelich, George E.
O'Neil, Charles S.

Hamilton Metal Products Company, The, assignee: *See*—
Piker, Herbert M.

Hamilton, Miles H., Los Angeles, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Filter unit. 2,617,535, Nov. 11.

Hamilton National Bank, executor: *See*—
Straussberger, John H.

Hamilton, Richard G., assignor to Colonial Art Co. Inc., Westfield, Mass. Double-faced sign construction. 2,615,268, Oct. 28.

Hamilton, Robert P., River Edge Manor, assignor of one-half to E. C. Wheaton, Rutherford, N. J. Beehive super. 2,596,995, May 20.

Hamilton, Robert P., River Edge Manor, assignor of one-fourth to E. C. Wheaton, Rutherford, N. J., and one-fourth to L. C. Krazinski, New York, N. Y. Beehive honeycomb frame. 2,604,643, July 29.

Hamilton, Thomas F., Chicago, Ill. Dispensing apparatus. 2,599,173, June 3.

Hamilton Tool Co. Inc., assignee: *See*—
Hamilton, Bert C.

Hamilton, Wallace, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Sensitive door edge device. 2,610,268, Sept. 9.

Hamilton Watch Company, assignee: *See*—
Bennett, William O., Jr.
Centini, Joseph R., and Sterling.
Dudley, John H.
Gunder, Robert J.
Hawks, Douglass, Jr., and Van Haaften.
Markert, John E., Russell, and Smith.
Mentzer, Ralph B.
Schafer, Robert E., and Kreider.
Sinkler, Arthur B.
Slaugh, Richard W., and Sinkler.
Van Haaften, Egbert.
Vermot, Henri E.

Hamilton, William C., Esther, Mo. Telephone memo pad assembly. 2,610,867, Sept. 16.

Hamilton, William H., Rome, and S. C. Hampton, Jr., Adairsville, Ga. Spraying attachment for tractors. 2,599,448, June 3.

Hamlin, Lewis W., Owosso, Mich. Windshield visor. 2,585,769, Feb. 12.

Hamlin Metal Products Company, The, assignee: *See*—
Walklet, Mercer D.

Hamm, Alexander L., New York, N. Y., assignor to Combustion Engineering-Superheater, Inc. Chemical recovery furnace with high-temperature superheater. 2,606,103, Aug. 5.

Hamm, Franklin A.: *See*—
Lambert, Joseph M., and Hamm.

Hammans, Reginald H.: *See*—
Gourlet, Geoffrey G., and Hammans.

Hammar, Gustaf W., Rochester, N. Y., assignor to the United States of America as represented by the Secretary of War. Firearm with time delay firing means. 2,601,135, June 17.

Hammar, Victor, and G. Gustaf Dahlblick, deceased: H. I. Dahlblick, administratrix of said G. Dahlblick, assignors to Aktiebolaget Bofors, Bofors, Sweden. Feed and rammer arrangement at automatic firearms. 2,594,770, Apr. 29.

Hammel, Alfred J., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Registering apparatus. 2,605,920, Aug. 5.

Hammel, Clifford M.: *See*—
Carter, Elbert P., and Hammel.

Hammer, Oscar H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Parasiticide composition. 2,590,818, Mar. 25.

Hammer, Otto, assignor to Security Engineering Co., Inc., Whittier, Calif. Bearing for gauge cutters of rotary rock bits. 2,592,277, Apr. 8.

Hammer, Rolf O., Pittsburgh, Pa., assignor to United States Steel Company. Sheet package and skid therefor. 2,614,688, Oct. 21.

Hammerly, Herman J., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Polarized power take-off for bus duct systems. 2,585,770, Feb. 12.

Hammerly, Herman J., C. B. Turton, and R. A. Salomone, Plainville, Conn., assignors, by mesne assignments, to General Electric Company. Collector or power take-off plug for bus bar duct systems. 2,611,801, Sept. 23.

Hammermill Paper Company, assignee: *See*—
Keller, Ray B., and Dawson.

Hammerschmidt, Erwin, Wyomissing, Pa. Hair curler. 2,584,698, Feb. 5.

Hammerstein, Mary M., New York, N. Y. Dough shaper. 2,616,376, Nov. 4.

Hammes, Dorothy C., assignee: *See*—
Hammes, Frederic J.

Hammes, Frederic J., Birdsboro, assignor of eleven-twentieths to D. C. Hammes, Reading, one-fourth to J. A. Stinson, Hatboro, Pa., and one-fifth to F. J. Hammes, trustee. Synchronous motor. 2,601,517, June 24.

Hammett, Harry R., Bakersfield, Calif. Fire extinguishing apparatus. 2,596,399, May 13.

Hamming, Richard W., Chatham Township, Morris County, and B. D. Holbrook, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Error-detecting and correcting system. Re. 23,601, Dec. 23.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Sealing washer. 2,592,028, Apr. 8.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Fastening means for sheet material. 2,604,194, July 22.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Fastening means for roofing and siding material. 2,611,458, Sept. 23.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Fastening means. 2,611,459, Sept. 23.

Hammock, Walter E., Garland, Tex. Adjustable choke for oil wells. 2,589,373, Mar. 18.

Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Valve Packing assembly. 2,596,681, May 13.

Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Regulator valve. 2,597,478, May 20.

Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Regulator adjusting mechanism. 2,597,479, May 20.

Hammond, Almerion J., Lansing, assignor to General Motors Corporation, Detroit, Mich. Fender shield. 2,620,204, Dec. 2.

Hammond Bag & Paper Company, assignee: *See*—
Weaver, Allen E.

Hammond, Gordon, Ashland, assignor to Reynolds Metals Company, Richmond, Va. Container feeding and cover applying apparatus. 2,595,849, May 6.

Hammond, Gordon, Ashland, assignor to Reynolds Metals Company, Richmond, Va. Container. 2,600,989, June 17.

Hammond, Hirstle M.: *See*—
Kenyon, David E., and Hammond.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens.
Hanert, John M.

Hammond, John H., Jr.: *See*—
Purington, Ellison S.
Purington, Ellison S., and Hammond.

Hammond, John H., Jr., Gloucester, Mass. Selective remote-control system. 2,583,373, Jan. 22.

Hammond, John H., Jr., Gloucester, Mass. Control system with single pulse train. 2,601,392, June 24.

Hammond, John H., Jr., Gloucester, Mass. Selective remote control system. 2,601,393, June 24.

Hammond, John H., Jr., Gloucester, Mass. Television still-picture transmitting and recording system. 2,611,027, Sept. 16.

Hammond, John H., Jr., Gloucester, Mass. Television type facsimile receiving system. 2,623,117, Dec. 23.

Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Vehicle steering control apparatus. 2,588,382, Mar. 11.

Hammond Machinery Builders, Inc., assignee: *See*—
Bell, Ramsay M.
Perkins, Henry G.
Sutton, Donald E.

Hammond, Newton, Murphysboro, assignor of twenty-four and one-half per cent to F. Huff, Du Quoin, and twenty-four and one-half percent to T. G. Gerow, Skokie, Ill. Car coupler. 2,590,404, Mar. 25.

Hammond, Philo L., Massillon, Ohio. Haircutting and collecting device. 2,610,393, Sept. 16.

Hammond, Robert S.: *See*—
Holmes, Louis D., Haaksma, and Hammond.

Hammond, Wallace T. C.: *See*—
Sleightholme, John J., and Hammond.

Hammond, West, Salt Lake City, Utah. Disposable carton mold box for frozen food confections. 2,622,784, Dec. 23.

Hammons, Charles T.: *See*—
Mitacek, George C., and Hammons.

Hamner, Charles L., East Lansing, Mich., assignor to The B. F. Goodrich Company, New York, N. Y. Composition for and methods of preserving the freshness of botanical products after severance thereof from living plants. 2,614,039, Oct. 14.

Hamparson, George C., F. C. Keller, and D. E. Nichols, Fresno, Calif. Folding comb. 2,618,276, Nov. 18.

Hampe, Pierre, assignor of one-half to Societe dite: Etablissements & Laboratoires Georges Truffaut, Versailles, and one-half to G. Truffaut, Versailles, Seine-et-Oise, France. Apparatus for producing electrified powders by friction. 2,590,534, Mar. 25.

Hampel, Clifford A.: *See*—
Glasser, Julian, and Hampel.

Hampel, Clifford A., Homewood, and J. Glasser, La Grange, Ill., assignors, by mesne assignments, to Kennecott Copper Corporation, New York, N. Y. Production of titanium. 2,618,550, Nov. 18.

Hampton Machine Company, assignee: *See*—
Pendleton, Pyam L.

Hampton, Robert H.: *See*—
Sebastian, David, Heggen, and Hampton.

Hampton, Scott C., Jr.: *See*—
Hamilton, William H., and Hampton.

Hampton, William G.: *See*—
Garrett, Elmer E., Essex, and Hampton.

Hampton, William and G. W. Neuhard, Dayton, Ohio. Telemetering system. 2,596,147, May 13.

Hamrick, Glenn A., San Diego, Calif. Window blind assembly for vehicles. 2,610,712, Sept. 16.

Hamrick, James N., Rutherfordton, N. C. Shielded revolvable target. 2,605,104, July 29.

Hamvas, Laszlo U., Schenectady, N. Y., assignor to General Electric Company. High-frequency discharge device. 2,617,956, Nov. 11.

Hanafin, Bernard M.: *See*—
Baum, William A., and Hanafin.

Hanby, Oscar H., Grandview, Wash. Can opener. 2,603,857, July 22.

Hanby, William E., S. G. Waley, and J. Watson, Maidenhead, assignors to Courtaulds Limited, London, England. Production of polymeric compounds from anhydrocarboxy-alpha-amino-carboxylic acids in nitrobenzene. 2,598,372, May 27.

Hance, Isaac I., assignor, by mesne assignments, to Champion Laboratories, Inc., Meriden, Conn. Washer with rotary liquid agitator. 2,597,931, May 27.

Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Electronic timer circuits. 2,584,871, Feb. 5.

Hanchette, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Selective squelch circuit. 2,590,310, Mar. 25.

Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Signal responsive receiver. 2,610,293, Sept. 9.

Hancock, Charles L., Tuthill, S. Dak. Animal trap. 2,590,099, Mar. 25.

Hancock, David, Jr., Elmhurst, assignor, by mesne assignments, to Vendall Company, Chicago, Ill. Vending apparatus. 2,599,913, June 10.

Hancock, Hilmer E., Dent, Minn. Stabilizer for tractor power lifts. 2,609,215, Sept. 2.

Hancock, John, Mutual Life Insurance Company, assignee: *See*—
Schempers, William.

Hancock, Noel W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Timing device. 2,614,218, Oct. 14.

Hancock, Noel W., and D. O. McCoy, assignor to Collins Radio Company, Cedar Rapids, Iowa. Folded delay line. 2,589,076, Mar. 11.

Hancock, Robert D., Compton, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Accelerometer. 2,605,094, July 29.

Hancock, Robert D., Compton, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Deion tube. 2,617,066, Nov. 4.

Hancock, Robert D., Compton, C. R. Williams, Hawthorne, G. E. Hagen, Lawndale, and C. S. Andersen, Bell, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Glow tube anode construction. 2,618,760, Nov. 18.

Hancox, Robert R., Kansas City, Mo., G. L. Tuer, Jr., Cleveland, Ohio, and M. J. Stutzman, Kansas City, Mo., assignors to Olin Industries, Inc., East Alton, Ill. Process and apparatus for manufacture of iron shot. Re. 23,538, Aug. 26.

Hand, Albert L., Klamath Falls, Oreg. Smoking pipe filling machine. 2,595,576, May 6.

Hand, Frederick E., Canton, and W. O. Graham, Lewistown, Ill., assignors to International Harvester Company. Tractor-mounted implement and marker. 2,584,200, Feb. 5.

Hand, James W., Jr.: *See*—
Moody, Leonard E., and Hand.

Hand, John B., Haddonfield, N. J. Fishing reel. 2,613,468, Oct. 14.

Hand, John L. H., Bala-Cynwyd, Pa. Illuminated dial. 2,600,644, June 17.

Hand, Wilfred C., assignee: *See*—
Brandt, Francis L.

Handel, Emanuel, Woodhaven, N. Y. Forming markings in tubular braided covers for vacuum cleaner tubes. 2,592,892, Apr. 15.

Handel, Neil E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Reproducing apparatus. 2,586,160, Feb. 19.

Handforth, Stanley L., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pipe extractor. 2,584,801, Feb. 5.

Handley, Daniel J., Mattoon, Ill. Pleated drapery. 2,623,582, Dec. 30.

Handley, Daniel J., Mattoon, Ill. Drapery hook. 2,623,583, Dec. 30.

Handley, Ernest J., Tulsa, Okla., assignor to Century Geophysical Corporation. Pipe-lifting device. 2,594,429, Apr. 29.

Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Cam actuated rotary indicator. 2,596,550, May 13.

Handley, John, Briar Hill, Purley, England, assignor to The Union Totalisator Company, Limited, Glasgow, Scotland. Selection and operation mechanism for totalizator ticket machine registers. 2,601,949, July 1.

Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Totalizator system. 2,622,802, Dec. 23.

Handoll, Percy G.: *See*—
Glinn, Roy J., and Handoll.

Handschin, Alejandro, Florida, Argentina. Spinning spindle. 2,601,735, July 1.

Handschin, Max, Kusnacht, assignor to Ipsophon Patentgesellschaft A.-G., Glarus, Switzerland. Electrical relay system. 2,608,608, Aug. 26.

Hands, Coleman, Capron, assignor, to The Florsheim Shoe Company, Chicago, Ill. Insole and making same. 2,601,136, June 17.

Handy, Carleton T.: *See*—
Pease, Donald C., and Handy.

Handy Manufacturing Company, assignee: *See*—
Joseph, Alan H.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,741, June 3.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,742, June 3.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,744, June 3.

Handwerk, Erwin C., Lehighton, and L. D. Fetterolf, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,745, June 3.

Hane, Gus, Chico, Calif. Repeater-type toy gun. 2,621,644, Dec. 16.

Haner, Robert B., Jr., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Testing appaartus for radio communication systems. 2,617,938, Nov. 11.

Haner, Victor C.: *See*—
Ekholm, Erik, and Haner.

Hanert, John M., Park Rdge, assignor to Hammond Instrument Company, Chicago, Ill. Vibrato apparatus for electrical musical instruments. 2,580,424, Jan. 1.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,583,566, Jan. 29.

Hanes, James W. E.: *See*—
Hanline, Walter R., and Hanes.

Hanesse, Antonin G., Saint-Raphael, France. Device for assemblying structural elements. 2,611,160, Sept. 23.

Haney, A. J., administrator: *See*—
Palmer, Clyde C.

Haney, Earl, assignee: *See*—
Scott, Emerson R.

Haney, Earl P., Winchester, Mass. Improving coffee flavor. 2,588,922, Mar. 11.

Haney, Joseph K., R. M. Hunter, and M. O. Robinson, assignors to The Dow Chemical Company, Midland, Mich. Recovering magnesium alloy from composite scrapped metal objects. 2,620,269, Dec. 2.

Haney, Joseph K., and R. K. Paddock, assignors to The Dow Chemical Company, Midland, Mich. Improving magnesium and the binary magnesium-base alloy of magnesium and manganese. 2,620,270, Dec. 2.

Hanf, Wesley A., Austin, Minn. Rotating disk automatic Lotto game. 2,594,159, Apr. 22.

Hanford, William E., Short Hills, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of dichlorodifluoroethylene and ethylene. 2,584,126, Feb. 5.

Hanington, Charles A., Freeport, N. Y. Adhesive bandage material. 2,592,801, Apr. 15.

Hanington, Charles A., Freeport, N. Y. Tape dispenser. 2,609,877, Sept. 9.

Hank, Bernard J., Chicago, assignor to Conlon-Moore Corporation, Cicero, Ill. Ironing machine with reciprocating ironing shoe. 2,605,564, Aug. 5.

Hankscraft Company, assignee: *See*—
Daugherty, Robert L.
Johnson, Arne B.

Hanley, Stanley M., assignee: *See*—
Bixby, William H.

Hanley, Thure E.: *See*—
Haeff, Andrew V., and Hanley.

Hanline, Walter R., and J. W. E. Hanes, Ventura, Calif. Control valve for pressure bailers. 2,588,521, Mar. 11.

Hanline, Walter R., and J. W. E. Hanes, Ventura, Calif. Valve for pressure bailers. 2,611,438, Sept. 23.

Hanlon & Wilson Company, assignee: *See*—
Wilson, John R.

Hann, Arthur B., Parma, Idaho. Electrically controlled plant chopping machine. 2,592,689, Apr. 15.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gyroscope control system for dirigible craft. 2,623,716, Dec. 30.

Hanna Engineering Works, assignee: *See*—
Hanna, John C.

Hanna, Frank J., Douglas, Ga. Clock controlled cigarette case. 2,618,956, Nov. 25.

Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Packing ring. 2,610,846, Sept. 16.

Hanna, Raymond P.: *See*—
Brahmer, Leland F., and Hanna.

Hanna, V. D.: *See*—
Carlson, Emil.

Hannable, Daniel W.: *See*—
Stacey, Ernest W., and Hannable.

Hannah, Thomas, Woodside, N. Y. Rug and carpet cleaning brush and dyer. 2,607,063, Aug. 19.

Hannameyer, Elwood S., Aptos, Calif. Combination outdoor table and clothesline. 2,594,158, Apr. 22.

Hannant, Theodore N., Cedar Grove, assignor to Specialties Development Corporation, Bloomfield, N. J. Variable angle corner pulley. 2,611,581, Sept. 23.

Hannay, Clifford B., assignor to Clifford B. Hannay & Son, Inc., Westerlo, N. Y. Hose reel. 2,595,655, May 6.

Hannay, Clifford B., & Son, Inc., assignee: *See*—
Hannay, Clifford B.
Hannay, Richard.

Hannay, Richard, assignor to Clifford Hannay & Son, Inc., Westerlo, N. Y. Hose reel construction. 2,590,963, Apr. 1.

Hanneman, Robert G.: *See*—
Brixius, Jacob K., and Hanneman.

Hanneman, Robert G., assignor to Air-Maze Corporation, Cleveland, Ohio. Electrical precipitation apparatus. 2,588,111, Mar. 4.

Hanneman, Robert G., Shaker Heights, and J. K. Brixius, assignors to Air-Maze Corporation, Cleveland, Ohio. Baffle construction for oil bath filters. 2,596,148, May 13.

Hannen, Clemens, Sinzig-Rhein-Ahr, Germany. Vibrating arrangement for the separation of admixtures from molten metal baths. 2,583,645, Jan. 29.

Hannibal, Lester S., Concord, assignor to Shell Development Company, San Francisco, Calif. Soil injector. 2,598,121, May 27.

Hannifin Corporation, assignee: *See*—
Maha, Otto J.
Peterson, Victor W., and Maha.

Hannon, Thomas H., Waterbury, Conn. Adjustable clothes hanger. 2,589,374, Mar. 18.

Hannum, John A., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Mono fuel. 2,584,803, Feb. 5.

Hannum, John A., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Propelling heavier-than-air devices powered by fuel-burning prime movers. 2,590,009, Mar. 18.

Hannum, John A., and M. Frumin, Detroit, Mich., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Tetranitropropane. 2,583,048, Jan. 22.

Hanover, Robert, Philadelphia, Pa. Electrode saving attachment for carbon arc lamps. 2,584,579, Feb. 5.

Hanovia Chemical and Mfg. Company, assignee: *See*—
Darney, Harold E.
Bird, Lester F.

Hanrahan, Raymond L., Greenacres, Wash. Garage door. 2,589,938, Mar. 18.

Hanriot, Raymond, Lyon, France. Control means for electrosurgical cutting instruments. 2,618,267, Nov. 18.

Hans, Edmund E., Detroit, Mich. Heating arrangement for closed automotive bodies. 2,611,544, Sept. 23.

Hans, Edmund E., Detroit, Mich. Thermostatically controlled valve. 2,617,596, Nov. 11.

Hansard, Douglas A., Rowlands Castle, assignor of one-half to Graviner Manufacturing Company Limited and one-half to The Wilkinson Sword Company Limited, London, England. Fire or temperature rise detecting appliance. 2,594,921, Apr. 29.

Hansberg, Fritz, Milan, Italy. Machine for ramming foundry cores by means of compressed air. 2,611,938, Sept. 30.

Hansberry, Theodore R., Modesto, assignor to Shell Development Company, San Francisco, Calif. Defoliation of growing plants. 2,599,827, June 10.

Hanse, William C., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Flyer for unwinding cakes and other packages. 2,602,606, July 8.

Hansel, Paul G., Long Branch, N. J. Navigation system, including acceleration integrating means. 2,613,071, Oct. 7.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Very high-frequency electron tube. 2,584,802, Feb. 5.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency energy transfer circuit. 2,588,831, Mar. 11.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission line coupling. 2,588,832, Mar. 11.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signal to noise ratio of radar systems. 2,590,405, Mar. 25.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency electron discharge device and circuits therefor. 2,590,612, Mar. 25.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron. 2,591,932, Apr. 8.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency electron discharge tube of the traveling wave type. 2,615,141, Oct. 21.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Sound reproducing method and system. 2,615,991, Oct. 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electrical system for prolonging life of coated cathodes. 2,616,040, Oct. 28.

Hansell, Clarence W., and N. E. Lindenblad, Port Jefferson, N. Y., assignors to Radio Corporation of America. Plural wave guiding system. 2,585,243, Feb. 12.

Hansen, Alfred J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Protective system for electronic frequency changers. 2,587,151, Feb. 26.

Hansen, Arthur S., Bellevue, Wash. Roof structure for use with prefabricated houses. 2,604,060, July 22.

Hansen, Betsy R., executrix: *See*—
Hansen, William W.

Hansen, Bruno, Des Moines, Iowa. Vehicle window. 2,585,118, Feb. 12.

Hansen, Carl C.: *See*—
Hansen, Edwin E. and C. C.

Hansen, Charles A., Jr., Scotia, N. Y., assignor to General Electric Company. X-ray photometer. 2,610,301, Sept. 9.

Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Safety shield. 2,612,763, Oct. 7.

Hansen, Clarence, Racine, Wis. Foot massager. 2,604,091, July 22.

Hansen, Clarence M., Lansing, Mich., assignor to Research Corporation, New York, N. Y. Penetrometer. 2,607,218, Aug. 19.

Hansen, Daniel F., Eagle Grove, Iowa. Ornamental house number. 2,584,699, Feb. 5.

Hansen, David, Mortsel, Belgium. Speed reducer casing. 2,623,406, Dec. 30.

Hansen, Donald A., Robbinsdale, and C. R. Lyseng, Minneapolis, Minn. Hanging support. 2,587,150, Feb. 26.

Hansen, Edwin E. and C. C., Astoria, Oreg. Material handling apparatus with drag saw. 2,583,047, Jan. 22.

Hansen, Edward H., assignor to Elkhart Brass Manufacturing Company, Inc., Elkhart, Ind. Dry powder fire extinguisher. 2,592,029, Apr. 8.

Hansen, Edward L.: *See*—
Pisani, Mario, and Hansen.

Hansen, Edwin L.: *See*—
Davis, Joseph C., Cornwell, and Hansen.

Hansen, Elmer K., Sioux City, Iowa. Grain unloader having a feed auger with an adjustable cover. 2,601,608, June 24.

Hansen, Francis F., Pittsburgh, Pa. Shortening composition for and method of baking yeast-raised baked goods. 2,602,748, July 8.

Hansen, Fred G., Toledo, Ohio. Variable speed transmission. 2,584,201, Feb. 5.

Hansen, Fritz: *See*—
Boardman, Herbert D., and Hansen.

Hansen, George, assignor to Crane Co., Chicago, Ill. Check valve. 2,598,122, May 27.

Hansen, George, Chicago, Ill., assignor to Crane Co. Joint with telescoping annular member. 2,616,729, Nov. 4.

Hansen, Gilbert H., assignor to Furnas Electric Company, Batavia, Ill. Fluid pressure actuated switch. 2,598,536, May 27.

Hansen, Hans C., Copenhagen, Denmark. Record changing mechanism. 2,604,325, July 22.

Hansen, Hans, Chicago, and F. J. Velten, Oak Lawn, Ill. Fur shaping table. 2,608,322, Aug. 26.

Hansen, Hans G. V., Copenhagen, Denmark. Safety cutoff system for gas burners responsive to air pressure and thermostatic control. 2,594,430, Apr. 29.

Hansen, Hans V., Chicago, Ill. Dispensing liquids and apparatus therefor. 2,606,690, Aug. 12.

Hansen, Harold V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Tractor-borne implement. 2,604,027, July 22.

Hansen, Harry C., Charlottenlund, Denmark. Radio receiver tuning switch. 2,594,644, Apr. 29.

Hansen, Harvey G., San Lorenzo, Calif. Suspension means for drive axles. 2,592,893, Apr. 15.

Hansen, Hendrik N.: *See*—
Van Eldik, Pieter F., and Hansen.

Hansen, Hendrik N., and J. A. Greefkes, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency divider. 2,617,036, Nov. 4.

Hansen, Hendrik N., and J. A. Greefkes, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stabilized crystal oscillator circuits. 2,624,005, Dec. 30.

Hansen, Henry, assignor to Fewel Bros. Packing Co., Fresno, Calif. Packaging apparatus and method. 2,601,944, July 1.

Hansen, Jack, Lysaker, Norway. Clothes peg. 2,609,579, Sept. 9.

Hansen, James P., and F. A. Wilmot, Los Angeles, Calif. Vacuum type food container. 2,591,151, Apr. 1.

Hansen, John, Bettendorf, Iowa. Cutter blade. 2,596,851, May 13.

Hansen, John H.: *See*—
Wilson, John A., and Hansen.

Hansen, John N.: *See*—
Britton, Edgar C., and Hansen.

Hansen, Joseph F., Sheboygan, Wis. Mower attachment for tractors. 2,618,918, Nov. 25.

Hansen, Kenneth H.: *See*—
Bacon, Warren, and Hansen.

Hansen, Kenneth H., White Plains, N. Y., and T. B. Jochem, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Automatic control for switching type conveyers. 2,595,356, May 6.

Hansen, Kenneth T., Lake Stevens, Wash. Picket header. 2,600,055, June 10.

Hansen, Klaus L., Milwaukee, Wis. Synchronous motor. 2,623,201, Dec. 23.

Hansen, Knut L., Antioch, Calif. Attachment for bathtubs. 2,608,693, Sept. 2.

Hansen, Lawrence: *See*—
Singer, Harold, Margaretten, and Hansen.

Hansen, Lloyd D., Fanwood, and D. E. Overmyer, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing insulation. 2,623,100, Dec. 23.

Hansen, Louis A., Euclid, assignor, by mesne assignments, to The Weather-Proof Co., Cleveland, Ohio. Window construction. 2,605,870, Aug. 5.

Hansen, Louis H., San Bruno, Calif. Eraser and cap assembly for pencils. 2,613,644, Oct. 14.

Hansen Manufacturing Company, assignee: *See*—
Hansen, William L., and Manson.
White, Elzie C.

Hansen, Merlin: *See*—
Jirsa, Emil F., Hansen, and Bopp.

Hansen, Merrill E., Silver Lake Village, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Apparatus for impregnating cord. 2,601,394, June 24.

Hansen, Meryle R., Ruthton, Minn. Ventilating cap for chimneys and the like. 2,605,693, Aug. 5.

Hansen, Otto: *See*—
Keller, Karl, and Hansen.

Hansen, Roy D., Alameda, Calif. Tray. 2,602,310, July 8.

Hansen, Roy D., Alameda, Calif. Tray attachment. 2,602,311, July 8.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Electronic synchronization system. 2,595,656, May 6.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Multiplex telegraph system utilizing electronic distributors. 2,609,451, Sept. 2.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Multiplex telegraph system employing electronic distributor. 2,609,452, Sept. 2.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Electronic distributor. 2,614,217, Oct. 14.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Multiplex telegraph receiver employing an electronic distributor. 2,623,948, Dec. 30.

Hansen, Thorwald H., Rahway, N. J. Filter aerator for aquaria. 2,614,529, Oct. 21.

Hansen, William L., and H. G. Manson, assignors to Hansen Manufacturing Company, Princeton, Ind. Refrigerator defrosting system. 2,612,026, Sept. 30.

Hansen, William W.: *See*—
Ginzton, Edward L., Hansen, and Varian.

Hansen, William W., deceased, Stanford University, Calif.; O. D. Ross, executrix, assignor to The Sperry Corporation, Great Neck, N. Y. High-frequency directional coupler apparatus. 2,580,679, Jan. 1.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency radiator apparatus and resonator. 2,591,695, Apr. 8.

Hansen, William W., Stanford University, Calif., assignor to The Sperry Corporation. High-frequency electron tube structure. 2,591,696, Apr. 8.

Hansen, William W., deceased, Stanford University, Calif., by B. R. Hansen, executrix, Stanford University, Calif., assignor to The Sperry Corporation. High-frequency attenuating device. 2,597,867, May 27.

Hansen, William W., Stanford University, Calif., assignor to The Sperry Corporation. High-frequency converter apparatus. 2,602,137, July 1.

Hansen, William W., Stanford University, Calif., assignor to The Sperry Corporation. Ultrahigh-frequency antenna apparatus. 2,602,895, July 8.

Hansen, William W., Garden City, N. Y., assignor, by mesne assignments, to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. High-frequency apparatus. 2,603,754, July 15.

Hansen, William W., and T. Moreno, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency measuring apparatus. 2,580,678, Jan. 1.

Hansen, William W., deceased, and R. H. Varian, Garden City, N. Y.; O. D. Ross, executrix of said W. W. Hansen, assignors to The Sperry Corporation. High-frequency modulating system. 2,586,816, Feb. 26.

Hansen, William W., deceased, Stanford University, by O. D. Ross, executrix, Palo Alto, R. H. Varian, Stanford, and S. F. Varian, Menlo Park, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. High-frequency superregenerative apparatus. 2,596,996, May 20.

Hansen, William W., Stanford University, Calif., and E. J. Barlow, Rutherford, N. J., assignors to The Sperry Corporation. Noise reduction system for radar. 2,598,689, June 3.

Hansen, William W., Stanford University, R. H. Varian, Los Angeles, Calif., and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Tunable cavity resonator electron discharge device. 2,610,307, Sept. 9.

Hansen, William W., Stanford University, and R. H. Varian, Cupertino, assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Frequency converter. 2,616,038, Oct. 28.

Hansford, Reginald F., Bognor Regis, England, assignor to The Sperry Corporation, Great Neck, N. Y. Route-finding device. 2,608,770, Sept. 2.

Hansgirg, Fritz J., deceased, Black Mountain, N. C.: J. M. Hansgirg, administratrix, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Production of magnesium. 2,582,119, Jan. 8.

Hansgirg, Fritz J., deceased, Yonkers, N. Y.: J. M. Hansgirg, administratrix, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Production of magnesium. 2,582,120, Jan. 8.

Hansgirg, Josefine M., administratrix: *See*— Hansgirg, Fritz J.

Hanshaw, Fred, assignee: *See*— Galumb, Joseph A.

Hansing, David M., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Contact device. 2,605,369, July 29.

Hanslik, Earl J., Toledo, Ohio. Leader box and dispenser. 2,617,614, Nov. 11.

Hansman, John F., and M. J. Jurisch, Chicago, Ill.; said Hansman assignor to said Jurisch. Photographic carbon tissue. 2,590,857, Apr. 1.

Hanson, Albert L.: *See*— Hanson, Charles A. and A. L.

Hanson, Alden W.: *See*— Amos, James L., McCurdy, and Hanson. Donaldson, Walter E., and Hanson.

Hanson, Alfred O., Grand Forks, N. Dak., assignor to the United States of America as represented by the United States Atomic Energy Commission. Reaction comparison apparatus. 2,585,649, Feb. 12.

Hanson, Anton G., Minneapolis, Minn. Paper clamp. 2,583,567, Jan. 29.

Hanson, Carl V.: *See*— Drakeley, George T., and Hanson.

Hanson, Carl V., Jr. Evanston, Ill., assignor to Miles Laboratories, Inc., Elkhart, Ind. Display and dispensing device. 2,617,604, Nov. 11.

Hanson, Charles A. and A. L., Munising, Mich. Snowplow shoe. 2,593,025, Apr. 15.

Hanson, David, assignee: *See*— Hanson, Howard A.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously coiling elongated filaments. 2,598,537, May 27.

Hanson, Frank D., Independence; H. R. Parker, Holden, and L. L. Wagener, Independence, Mo., assignors to Palace Corporation, Flint, Mich. Flexible spring transmitter. 2,599,760, June 10.

Hanson, George H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion process. 2,618,667, Nov. 18.

Hanson, Henry L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Stoker control apparatus. 2,604,264, July 22.

Hanson, Howard A., assignor of fifty per cent to D. Hanson, Eureka, Mont. Self-locking coupling pin. 2,601,802, July 1.

Hanson, Howard C., Rockton, Ill. Farm and roadside sprayer. 2,597,727, May 20.

Hanson, Jewell R., Santurce, assignor to Puerto Rico Glass Corporation, San Juan, Puerto Rico. Glass melting furnace. 2,616,221, Nov. 4.

Hanson, John A.: *See*— Wright, John G., Chafin, Sudan, Watkins, and Hanson.

Hanson, John E., Richmond, assignor to California Research Corporation, San Francisco, Calif. Detergent composition. 2,589,190, Mar. 11.

Hanson, John E., Richmond, assignor to California Research Corporation, San Francisco, Calif. Detergent composition. 2,590,613, Mar. 25.

Hanson, John M., Sr., Alsea, Oreg. Chain saw depth gauge. 2,592,278, Apr. 8.

Hanson, Lars, assignor to Carrier Corporation, Syracuse, N. Y. Muffling mechanism for compressor valves. 2,588,112, Mar. 4.

Hanson, Maynard P.: *See*— Westby, Walter P., and Hanson.

Hanson, Olaf M., assignor to Universal Oil Products Company, Chicago, Ill. Thermal diffusion apparatus. 2,585,244, Feb. 12.

Hanson, Olaf M., Chicago, and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Concentrating hydrogen fluoride. 2,594,554, Apr. 29.

Hanson, Paul L.: *See*— Fletcher, Edward H., Hanson, and Nakae.

Hanson, Paul L., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Releasable valved coupling. 2,619,367, Nov. 25.

Hanson, Ralph R., Houston, Tex. Boat hull construction. 2,603,799, July 22.

Hanson, Raymond A., Palouse, Wash. Level sensitive switch. 2,615,099, Oct. 21.

Hanson, Raymond N., Minneapolis, Minn. Clothes drying rack. 2,595,521, May 6.

Hanson, Ross A., Torrance, and F. S. Scott, assignors to Union Oil Company of California, Los Angeles, Calif. Preventing foaming in transferring hot asphalt. 2,585,119, Feb. 12.

Hanson, Roy E., Altadena, Calif. Apparatus for welding seams in cylindrical vessels. 2,591,809, Apr. 8.

Hanson-Van Winkle-Munning Company, assignee: *See*— Curtis, Thomas H. Kardos, Otto.

Hanson, Victor A., assignor to Precision Gear and Machine Co. Inc., Charlotte, N. C. Top roll structure. 2,596,334, May 13.

Hanson, Walter J., Port Chester, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Letter actuated tripping device in postage printing machines. 2,600,990, June 17.

Hanson, Wesley T., Jr.: *See*— Carroll, Burt H., and Hanson.

Hanson, William J., Long Beach, and R. W. Nex, Bellflower, Calif., assignors to The Dow Chemical Company, Midland, Mich. Control of corrosion in nitrophenolic compositions. 2,623,818, Dec. 30.

Hansquine, Ernest E., Montreal, Quebec, Canada. Clothesline support. 2,605,001, July 29.

Hansson, Oscar, Trollhattan, Sweden. Variable pitch propeller with an axially movable hub. 2,594,160, Apr. 22.

Hanusch, Fritz, Ludwigshafen-on-the-Rhein, Germany. Production of gamma-sulfonyl carboxylic acids. 2,603,658, July 15.

Hanyen, Clyde K.: *See*— McCullough, Robert W., and Hanyen.

Hanze, Arthur R.: *See*— Marlatt, Paul E., Hanze, McIntosh, and Levin.

Hanzel, Edward S., San Leandro, Calif. Automobile tow truck. 2,603,370, July 15.

Hanzlik, James, Gardena, Calif. Weeding tool. 2,583,214, Jan. 22.

Hapke, Arthur D.: *See*— Newkirk, William B., and Hapke.

Hapman, Hannah J., assignee: *See*— Hapman, Henry W.

Hapman, Henry W., assignor, by mesne assignments, of 60 percent to H. W. Hapman and 40 percent to H. J. Hapman, Detroit, Mich. Conveyer sealing device. 2,586,537, Feb. 19.

Hapman, Henry W., assignor, by mesne assignments, of 40 percent to H. J. Hapman, Detroit, Mich. Flight Conveyer structure. 2,586,538, Feb. 19.

Hapman, Henry W., assignor, by mesne assignments, of forty per cent to H. J. Hapman, Detroit, Mich. Sediment settling and removing device. 2,588,233, Mar. 4.

Hapman, Henry W., assignor, by mesne assignments, of 40 per cent to H. J. Hapman, Detroit, Mich. Cable-mounted flight conveyer. 2,595,941, May 6.

Hapman, Henry W., assignor, by mesne assignments, of forty per cent to H. J. Hapman, Detroit, Mich. Flight conveyer. 2,607,460, Aug. 19.

Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Detroit, Mich. Flight conveyer. 2,609,081, Sept. 2.

Hapman, Henry W., Detroit, Mich., assignor, by mesne assignments, of forty per cent to H. J. Hapman. Pressurized conveyer for powdered material. 2,609,250, Sept. 2.

Hapman, Henry W., assignor, by mesne assignments, of sixty per cent to H. W. Hapman and forty per cent to H. J. Hapman, Detroit, Mich. Bucket conveyer structure. 2,615,557, Oct. 28.

Hapman, Henry W., assignor, by mesne assignments, of sixty per cent to H. W. Hapman and forty per cent to H. J. Hapman, Detroit, Mich. Material removing device for conveyers. 2,615,559, Oct. 28.

Hapman, Henry W., assignor, by mesne assignments, of forty per cent to H. J. Hapman, Detroit, Mich. Flight conveyer installation. 2,616,438, Nov. 4.

Happe, Melvin J., New Holland, and A. R. Redrow, Lancaster, assignors to New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Rake tooth mounting device. 2,607,183, Aug. 19.

Happé Products Limited, assignee: *See*— Happé, Waldemar R. J.

Happe, Reynold, Pittstown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor for sanding tools or the like. 2,606,947, Aug. 12.

Happé, Waldemar R. J., assignor to Happé Products Limited, London, England. Production of cast products from urea formaldehyde condensate and albuminous plasticizers. 2,618,017, Nov. 18.

Happel, John, Brooklyn, and S. P. Cauley, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Reactivating alkali solutions used in treatment of hydrocarbon oils. 2,599,449, June 3.

Happel, Jonn, Brooklyn, and S. P. Cauley, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Regeneration of alkaline solutions used in the removal of sulphur contaminants from hydrocarbon oils. 2,606,099, Aug. 5.

Hara, James R., Honolulu, Territory of Hawaii. Mechanical golf player's stance positioner. 2,611,610, Sept .23.

Haraden, George: *See*— Johnson, Charles E., Haraden, and McCammon.

Harang, Hakon: *See*— Kielland, Jacob, and Harang.

Harban, Arthur A.: *See*— Lyon, Joseph P., and Harban.

Harbaugh, Walter L., Indianapolis, Ind. Fluid control valve. 2,593,558, Apr. 22.

Harbaugh, Watson D., assignee: *See*— Johnson, Paul M., and Hinrichs.

Harbert, Carl M., New Castle, Pa. Earth drilling bit. 2,613,062, Oct. 7.

Harbin, Frank Jr., assignor to Home Furnace Company, Holland, Mich. Furnace control device. 2,615,634, Oct. 28.

Harbison, Dixon T., Fort Worth, Tex. Valve cage. 2,590,244, Mar. 25.

Harbison, Dixon T., Fort Worth, Tex. Sand ring for insert pumps. 2,590,245, Mar. 25.

Harbison, George C., Erie, Pa., assignor to General Electric Company, New York, N. Y. Drain mounting and sealing arrangement. 2,582,031 Jan. 8.

Harbison, George C., Erie, Pa., assignor to General Electric Company. Adjustable door brace construction. 2,591,352, Apr. 1.

Harbison, George C., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,603,548, July 15.

Harbison, Lynn, Akron, Ohio, assignor to Phillips Petroleum Company. Production of rubber products. 2,582,829, Jan. 15.

Harbison, Orville S., and G. L. Paine, Loveland, Colo. Two-way plow attachment for tractors. 2,601,609, June 24.

Harbison-Walker Refractories Company, assignee: *See*— Osborn, Elburt F.

Harbor Aircraft Corporation, assignee: *See*— Raynes, Burt F.

Harbour, Louis O., Royal Oak, Mich. Bushing and bearing spacer assembly for roller skate wheels. 2,596,771, May 13.

Harby, Jackson M., Jr., Seattle, Wash. Ski binding. 2,616,067, Sept. 9.

Harclerode, John R.: *See*— Myers, James F., and Harclerode.

Harcourt, Guy N., Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Desolventizing materials by distillation. 2,614,073, Oct. 14.

Harcum, Heber W., assignee: *See*— Beckett, Donald E. and W. N.

Harcum, J. Bates, assignee: *See*— Beckett, Donald E. and W. N.

Harcum, William M., Garden City, N. Y., assignor to The Sperry Corporation. Automatic recovery pilot for aircraft. 2,595,250, May 6.

Harcum, William M., Mineola, and J. M. Slater, Garden City, N. Y., assignors to The Sperry Corporation. Servo system. 2,584,127, Feb. 5.

Harcum, William M., Garden City, and G. Bull, Ithaca, N. Y. assignors to The Sperry Corporation. Automatic pilot for aircraft. 2,611,560, Sept. 23.

Hård of Segerstad, Carl G., and J. Magnusson, Sandviken, assignors to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Apparatus for measuring high pressures. 2,591,255, Apr. 1.

Hardacre, Hugh V., assignee: *See*— Arnold, Junior K.

Hardacre, William, Bradley, near Keighly, and E. Beaumont, Great Horton, Bradford, assignors to Courtaulds Limited, London, England. Twisting tube assembly for textile machinery. 2,619,790, Dec. 2.

Hardcastle, Philip, and E. P. Reid, Houston, Tex. Cam engaged clutch. 2,598,690, June 3.

Hardee, Daniel B., assignor of thirty-three and one-third per cent to R. H. Bridgeman, Wilmington, N. C. Lug strap holder for picker sticks. 2,604,908, July 29.

Harden, Faith E., Chicago, Ill. Ventilated sewing thimble. 2,609,978, Sept. 9.

Harden, Kermit A., Fairview, Ill. Spark plug connection and seal. 2,581,655, Jan. 8.

Harden, N. A., assignee: *See*— Brandon, Clarence W.

Hardenberg, Jan J. C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic photographic and sound record apparatus. 2,601,955, July 1.

Harder, Arthur J., Chicago, Ill. Concrete form panel and clamp therefor. 2,600,362, June 10.

Harder, Arthur J., Jr., Chicago, Ill., assignor to The Rauland Corporation. Cathode-ray tube sealing apparatus. 2,601,518, June 24.

Harder, Edwin L., L. F. Stringer, and R. W. Moore, Pittsburgh, Pa., and R. I. Greenwood, Montrose, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,597,095, May 20.

Hardgrove, Ralph M., Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Mobile steam generator. 2,608,938, Sept. 2.

Hardie, Harry, assignor to The Nobelt Company, Baltimore, Md. Waistband for garments. 2,617,113, Nov. 11.

Hardie, Harry, assignor to The Nobelt Company, Baltimore, Md. Band for garments. 2,619,648, Dec. 2.

Hardie, James, & Coy. Pty. Limited, assignee: *See*— Archibald, Ian W.

Hardigg, James S.: *See*— Weller, Robert E., and Hardigg.

Hardin, Frederick L.: *See*— Donato, Joseph J., and Hardin.

Harding, Arthur T.: *See*— Friend, Albert W., and Harding.

Harding, Donald D., Avilla, Ind. Electric wire insulator support. 2,592,030, Apr. 8.

Harding, Donald D., Avilla, Ind. Supporting structure for insulators. 2,592,031, Apr. 8.

Harding, George W., assignor to Automatic Draft & Stove Co., Lynchburg, Va. Wood burning stove, including heat maintaining means. 2,607,335, Aug. 19.

Harding, Henry V., Royal Oak, assignor, by mesne assignments, to Elox Corporation of Michigan, Clawson, Mich. Disintegrating or removing metallic material. 2,592,894, Apr. 15.

Harding, Hiram R., Baltimore, assignor of fifty per cent to H. E. Karr, Baltimore County, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Valve with double-acting washer. 2,603,446, July 15.

Harding, James, Bound Brook, N. J., assignor to Union Carbide and Carbon Corporation. Heat and light stabilized vinyl resins and compositions thereof. 2,597,987, May 27.

Harding, John K., assignor to Dowty Equipment Limited, Arle Court, Cheltenham, England. Liquid fuel supply apparatus. 2,621,599, Dec. 16.

Harding, Logan C., assignee: *See*— Harding, Hiram R.

Harding, Milo M., assignee: *See*— Bailey, Richard W.

Harding, Richard B., New Hyde Park, N. Y. Climbing and sliding apparatus. 2,620,185, Dec. 2.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Production of thiocarbamyl thiazyl monosulfides. 2,597,988, May 27.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Preparation of thiocarbamyl thiazyl monosulfides. 2,615,893, Oct. 28.

Hardman, Harley F., Wickliffe, assignor to The Standard Oil Company, Cleveland, Ohio. Asphalt cutback containing an aliphatic phosphoric acid ester. 2,592,564, Apr. 15.

Hardtmuth, L. & C., Inc., assignee: *See*— Zückert, Richard.

Hardwick, Clifford L.: *See*— Dreisbach, Robert H., and Hardwick.

Hardwicke-Etter Company, assignee: *See*— Streun, John A.

Hardy, Alexander: *See*— Herndon, Walter B., and Hardy.

Hardy, Bryan S., Cedar Rapids, Iowa. Gate construction. 2,603,895, July 22.

Hardy, Charles, Inc., assignee: *See*— Miller, Harold C.

Hardy, Clarence M., and R. E. Biddle, Effingham, assignors to Borg-Warner Corporation, Chicago, Ill. Electric oven lighter. 2,619,952, Dec. 2.

Hardy, Edgar E., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Bleaching, sterilizing, disinfecting, and deterging compositions. 2,607,738, Aug. 19.

Hardy, Edgar E., Anniston, Ala., and E. F. Jackson, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Compositions of matter comprising halogenated organic compounds. 2,617,770, Nov. 11.

Hardy, Gordon W., Chula Vista, G. C. Ray, San Diego, and P. Carle, Coronado, assignors to Air Purification, Inc., San Diego, Calif. Air cleaner. 2,601,519, June 24.

Hardy, James A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Vibration damper. 2,594,555, Apr. 29.

Hardy, John J., Vernon, Fla. Fish lure. 2,597,792, May 20.

Hardy, Maurice E., Chicago, Ill., assignor to Zenith Radio Corporation. Multispeed phonograph drive. 2,584,580, Feb. 5.

Hardy, Norman S., assignor to Kneller (Instruments & Tools) Limited, Rugby, England. Die polishing or lapping machine. 2,616,224, Nov. 4.

Hardy, Orval T., Shelbyville, Ill. Cigarette dispensing container. 2,618,379, Nov. 18.

Hardy, Pierre, P. E., Neuilly sur-Seine, assignor to C. Chabal & Cie (Societe en Commandite par Actions) and Etablissements Nevrpic, Paris, France. Filtration plant flow control responsive to demand. 2,601,137, June 17.

Hardy, René J., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Direction and distance finding equipment. 2,589,249, Mar. 18.

Hardypick Limited, assignee: *See*—
Hurd, Eric W.

Hare, Donald G. C., Clemson, S. C., assignor to Deering Milliken Research Trust, New York, N. Y. Cathode follower amplifier. 2,613,286, Oct. 7.

Hare, Donald G. C., Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Band-pass filter network. 2,584,386, Feb. 5.

Hare, Donald G. C., Stamford, assignor to Magnetic Equipment, Inc., Greenwich, Conn. Device for reducing noise in magnetic recording systems. 2,585,932, Feb. 19.

Hare, Donald G. C., Stamford, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Method and means for producing and utilizing control signals. 2,622,282, Dec. 23.

Hare, Donald G. C., Stamford, assignor to Magnetic Equipment, Inc., Greenwich, Conn. Modulating system. 2,623,952, Dec. 30.

Hare, Joseph C., assignee: *See*—
Blackman, Alexander.

Haresnape, John N.: *See*—
Fawcett, Eric W. M., and Haresnape.

Harford, Charles G.: *See*—
Eaton, Samuel E., and Harford.

Harford, Henry M., Kansas City, Mo. Focusing adjustment for binoculars. 2,602,371, July 8.

Hargadon, Charles D.: *See*—
Richterkessing, Frank H., and Hargadon.

Hargens, Charles W., Doylestown, Pa., assignor to Gillfillan Bros., Incorporated, Los Angeles, Calif. Radar receiver. 2,583,173, Jan. 22.

Hargett, Richard L., Frederick, Md. Watertight cable connector. 2,605,315, July 29.

Hargreaves, Ernest D.: *See*—
Vose, Robert W. and Hargreaves.
Vose, Robert W., Le Febvre, and Hargreaves.

Hargreaves, Thomas F. S.: *See*—
Terry, Victor J., Hargreaves, and Prior.

Hargreaves, William: *See*—
MacCallum, Alan M., and Hargreaves.

Hargreaves, William, Bergenfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Laminated electrical assembly and making the same. 2,588,719, Mar. 11.

Hargreaves, William, Wyckoff, and P. F. Bechberger, Tenafly, assignors to Bendix Aviation Corporation, Teterboro, N. J. Dynamic absorber. 2,621,225, Dec. 9.

Hargrove, Frank L., Schenectady, N. Y., assignor to General Electric Company. Labyrinth seal arrangement. 2,600,991, June 17.

Haring, Horace E., Summit, and R. L. Taylor, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for beading silver chloride sheets. 2,622,272, Dec. 23.

Haringhuizen, Pieter J., Geleen, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Process and apparatus for the separation of coke-oven gas. 2,591,658, Apr. 1.

Haringx, Johannes A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for guiding thin bands. 2,616,690, Nov. 4.

Harkenrider, Robert J., assignor to R. W. Miller, Winona, Minn. Therapeutic lamp support and control. 2,611,367, Sept. 23.

Harker, Maurice G.: *See*—
Condliffe, George E., Harker, and Lucas.

Harkey, Harold, Kirksville, Mo. Hose attachment. 2,591,427, Apr. 1.

Harkey, Ira B., Jr.: *See*—
Kneece, Jack M., and Harkey.

Harkiso Corporation, assignee: *See*—
Lloyd, Claire D.

Harkleroad, Samuel A., Fairfax, Calif. Door latch. 2,606,782, Aug. 12.

Harkness, George K.: *See*—
Harkness, John M., and G. K.

Harkness, John M., Eltham, and G. K. Harkness, Bexley, assignors to Eugene O'Sullivan, Chislehurst, England. Transporting and/or storing of goods and the like. 2,600,869, June 17.

Harkness, Reed B., and E. E. Lacey, assignors to The C. Dewitt Lukens Surgical Manufacturing Company, St. Louis, Mo. Sterilizing receptacle for ligature tubes. 2,585,312, Feb. 12.

Harkrader, John P., Rumson, N. J. Hoisting drum. 2,584,099, Jan. 29.

Harlan, Richard B., Long Beach, and W. E. Gardner, Whittier, assignors, by mesne assignments, to Ceratile Corporation, Paramount, Calif. Decorating ceramic bodies. 2,587,152, Feb. 26.

Harle, Harold P., Erie, Pa., assignor to General Electric Company. Magnetic gasket section. 2,619,693, Dec. 2.

Harle, Oliver L., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Lubricating oil compositions. 2,620,302, Dec. 2.

Harless, Charles A., Riverside, Conn., assignor to R. Hoe & Co., Inc., New York, N. Y. Bearing support for printing presses. 2,581,656, Jan. 8.

Harless, Charles A., Riverside, and T. H. Johnson, Rowayton, Conn., assignors to R. Hoe & Co., Inc., New York, N. Y. Plate clamping mechanism. 2,590,010, Mar. 18.

Harless, Charles A., Riverside, Conn., and W. C. Wieking, Woodhaven, assignors to R. Hoe & Co., Inc., New York, N. Y. Rotogravure impression mechanism. 2,607,292, Aug. 19.

Harley, Tom, Jr., assignee: *See*—
Feist, Samuel R.

Harloc Products Corporation, assignee: *See*—
Lickteig, Albert F., Jr.

Harlow, Earl V., Beaver, assignor to Koppers Company, Inc., Pittsburgh, Pa. Dry quenching coke. 2,581,409, Jan. 8.

Harlow, Earl V., Beaver, Pa., assignor to Koppers Company, Inc. Frame diffusion apparatus. 2,618,357, Nov. 18.

Harlow, William B.: *See*—
Alvarez-Tostado, Claudio, and Harlow.

Harman, Abbot A., New York, N. Y. Bracelet clasp. 2,580,769, Jan. 1.

Harman, Denham, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Alkylmercaptoalkyl phosphites. 2,587,616, Mar. 4.

Harman, Denham, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of organic peresters. 2,608,570, Aug. 26.

Harman, Denham, and A. R. Stiles, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Dialkenyl alkanephosphonates and polymers thereof. 2,601,520, June 24.

Harman, Denham, Berkeley, and R. E. Thorpe, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition of matter. 2,614,990, Oct. 21.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving rubber and product thereof. 2,582,695, Jan. 15.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Phenol-thiazyl thio methyl urea reaction products. 2,607,757, Aug. 19.

Harman, Melvin H., assignor to G. Jay Willard, High Point, N. C. Folding spring unit for sofa beds. 2,582,904, Jan. 15.

Harman, Merlin C., assignor to S & C Electric Company, Chicago, Ill. Contact construction. 2,580,910, Jan. 1.

Harman, Ralph N., Baltimore, and R. Lee, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modulator system. 2,600,243, June 10.

Harmison, Charles R., Jr.: *See*—
Singher, Heron O., and Harmison.

Harmon, Bennie L., Anniston, Ala. Hair band. 2,595,657, May 6.

Harmon, C. H., assignee: *See*—
Jay, George.

Harmon, Claude, assignee: *See*—
Langer, Adolph A.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Spark arrester and protector for exhaust pipes. 2,582,905, Jan. 15.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Animal controlled watering device. 2,585,547, Feb. 12.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Muffler with concave baffles. 2,609,886, Sept. 9.

Harmon, Cline H., and D. L. Fort, assignors to Waterloo Foundry Company, Waterloo, Iowa. Closure for exhaust pipes. 2,585,548, Feb. 12.

Harmon, Earl S., Belmont, Mass. Extensible tray. 2,620,082, Dec. 2.

Harmon, Gregory J., assignor, by mesne assignments, to Padevco, Inc., Washington, D. C. Multiplex frequency modulation system. 2,609,535, Sept. 2.

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of vinyl fluoride. 2,599,631, June 10.

Harmon, Joseph L.: *See*—
Russell, Phillip W., and Harmon.

Harmon, Kenneth A.: *See*—
Guernsey, Glen A., and Harmon.

Harmon, Kenneth A., Longmeadow, and G. A. Guernsey, assignors to Wico Electric Company, West Springfield, Mass. Control mechanism for brake holders. 2,583,485, Jan. 22.

Harmon, Kenneth A., Longmeadow, and G. A. Guernsey, assignors to Wico Electric Company, West Springfield, Mass. Electrical switch. 2,591,353, Apr. 1.

Harmon, Robert R., and J. T. Michie, assignors to Southern Welding & Machine Company, Charlottesville, Va. Earth handling implement. 2,582,032, Jan. 8.

Harmon, Wayne A. S., Sunnyvale, Calif. Produce unwrapping device. 2,586,223, Feb. 19.

Harms, Harm, Benld, Ill. Double tube trocar device. 2,604,685, July 29.

Harms, Viggo, New York, N. Y. Progressive classifying or treating solids in a fluidized bed thereof. 2,586,818, Feb. 26.

Harms, Viggo, New York, N. Y., assignor to The Dorr Company, Stamford, Conn. Apparatus for precipitation of solids from solutions and the like. 2,606,820, Aug. 12.

Harmsen, Carl L., Spokane, Wash. Wheeled carrier for outboard motors. 2,589,376, Mar. 18.

Harmsen, Doreen, administratrix: *See*—
Harmsen, Hugo W.

Harmsen, Hugo W., deceased, Potter, Nebr.: D. Harmsen, administratrix. Flexible spring tooth harrow. 2,617,241, Nov. 11.

Harner, Joe P., assignor to The W. F. Norman Sheet Metal Mfg. Co., Nevada, Mo. Shower bath cabinet. 2,594,645, Apr. 29.

Harness, Wayne E., North Hollywood, and J. O. Hruby, Jr., Glendale, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Automatic riveting machine. 2,620,876, Dec. 9.

Harney, Bernard C., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Feed mechanism and control system for bar feeds for screw machines. 2,595,522, May 6.

Harney, Bernard C., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Bar feed vibration dampener. 2,608,746, Sept. 2.

Harney, Elbert L., Chicago, Ill. Bricklaying machine. 2,599,552, June 10.

Harney, William S., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Purification of secondary butyl acetate. 2,614,972, Oct. 21.

Harnischfeger Corporation, assignee: *See*—
Burdick, Will S., Jacobs and Schneider.
Oestreicher, Sol.
Schoeppner, Karl P., and Zaitz.

Harnly, David S., Jr., Scottdale, Pa. Double rolling attachment for printing presses. 2,584,266, Feb. 5.

Harnsberger, Robert S., Staunton, Va. Kitchen utensil. 2,593,674, Apr. 22.

Harocopo, Marino N., assignor to Ski-affiliates, Inc., New York, N. Y. Ski pole handle. 2,614,859, Oct. 21.

Harp, Lloyd C., Sr., Waterloo, Iowa. Raw milk aerator. 2,584,202, Feb. 5.

Harp, William M.: *See*—
Booker, John D., Harp and Wadley.

Harper, Carolyn L., assignee: *See*—
Harper, Philip S., and Peterson.

Harper, Carolyn L., Trust, The, assignee: *See*—
Harper, Philip S., and Peterson.

Harper, George L., La Cygne, Kans. Truck top. 2,584,014, Jan. 29.

Harper, George L., La Cygne, Kans. Guide and clamp for vehicle body curtains. 2,621,963, Dec. 16.

Harper, James I., Media, F. R. Shuman, Jr., Chester Springs, Pa., and R. C. Peters, Haddonfield, N. J., assignors to Sun Oil Company, Philadelphia, Pa. Lead lined vessel. 2,592,419, Apr. 8.

Harper, Leonard R., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Stepping register. 2,580,771, Jan. 1.

Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,590,535, Mar. 25.

Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Ash tray. 2,593,142, Apr. 15.

Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas burner jet flash tube and connector. 2,597,480, May 20.

Harper, Philip S., and V. C. Peterson, assignors of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., and one-fourth to Harris Trust and Savings Bank, as trustee of The Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank as trustee of The Carolyn L. Harper Trust. Gas fueled simmer burner with flame retaining ports. 2,619,164, Nov. 25.

Harper, Philip S., Trust, The, assignee: *See*—
Harper, Philip S., and Peterson.

Harper, Ray J., Menlo Park, Calif. Blade coupling attachment for tractors. 2,600,244, June 10.

Harper, Robert J., assignee: *See*—
Ivins, Barbara, and Peltz.

Harper, William W., and L. E. Gilbert, Birmingham, Ala., assignors to Insurograph, Incorporated. Form issuing apparatus. 2,612,976, Oct. 7.

Harper-Wyman Company, assignee: *See*—
Harper, Philip S.
Koch, Henry J., and Lamar.
Lamar, Charles C.
Nadasdy, Henry H.
Peterson, Vincent C.

Harpoothian, Edward, Los Angeles, and M. A. Miner, Pacific Palisades, Calif., assignors to Douglas Aircraft Company, Inc. Airplane deicing construction. 2,581,760, Jan. 8.

Harpt, Ralph E.: *See*—
Christenson, Roger M., and Harpt.

Harr, Jesse, South Orange, N. J. Liquid dispensing unit with vented trap. 2,582,752, Jan. 15.

Harrah, George D., assignor to The Oyler Motor Transit Company, Canton, Ohio. Drive axle mounting for maintaining drive shaft alignment. 2,597,481, May 20.

Harralson, Robert W.: *See*—
Beard, Joseph G., Harralson, and Kreithen.

Harrel, Chastain G., R. O. Brown, and M. H. Kimball, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Nonsogging piecrust mix. 2,586,945, Feb. 26.

Harrell, Charles D., Knoxville, Tenn. Clothes-washing machine. 2,597,793, May 20.

Harrell, Comer W., Bainbridge, Ga. Tree puller. 2,613,458, Oct. 14.

Harrell, James A., Portland, Oreg. Pie holder. 2,598,789, June 3.

Harrigan, George: *See*—
Tarantur, Sam, and Harrigan.

Harriman, Benjamin R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Hardened photographic film of improved photographic properties. 2,591,542, Apr. 1.

Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Filling machine. 2,620,960, Dec. 9.

Harrington, Edward M., St. Louis, Mo. Brassière. 2,600,645, June 17.

Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Flow regulating valve. 2,583,296, Jan. 22.

Harrington, George P., Washington, D. C. Aircraft structure. 2,623,721, Dec. 30.

Harrington, John A.: *See*—
Marshall, Donald E., Harrington, and Crane.

Harrington, Joseph, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control apparatus. 2,585,120, Feb. 12.

Harrington & Richardson Arms Co., assignee: *See*—
Mulno, Lester F.

Harrington, Robert C., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing reaction product of oleyl alcohol and aluminum chloride. 2,615,032, Oct. 21.

Harris, Barnie G.: *See*—
Richards, John W., and Harris.

Harris, Benjamin L.: *See*—
Macy, Rudolph, Harris and Eastes.

Harris, Billups, Ocean Springs, Miss. Birdbath and feeding table. 2,606,522, Aug. 12.

Harris, Carl, Cicero, Ill. Bedspring supporting bracket for bedsteads. 2,618,000, Nov. 18.

Harris, Carl C., assignor to The Slencil Co., Orange, Mass. Memorandum pad unit. 2,600,533, June 17.

Harris, Charles D., Evansville, Ind., assignor to International Harvester Company. Refrigerant condenser. 2,621,490, Dec. 16.

Harris, Charles F., Chicago, Ill. Antijackpotting device for check operated vending machines. 2,619,213, Nov. 25.

Harris, Charles M., Holland, Mich. Hitch. 2,580,770, Jan. 1.

Harris, Charles M., Holland, Mich. Hitch. 2,597,096, May 20.

Harris, Charles M., Holland, Mich. Fifth wheel stabilizing device. 2,602,674, July 8.

Harris, Chris N., Youngstown, Ohio. Corsage frame. 2,595,577, May 6.

Harris, Clark E., Spokane, Wash. Tree holder. 2,592,895, Apr. 15.

Harris, Claud W., Leeds, England. Floating expansion reamer. 2,623,420, Dec. 30.

Harris, Cleo, Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Sectional drawn sheet metal body for air-heating furnaces. 2,585,650, Feb. 12.

Harris, Clifford G., Binghamton, N. Y. Underwater sampling thermometer. 2,609,689, Sept. 9.

Harris D. P., Hardware & Manufacturing Co., Inc., assignee: *See*—
Lyman, Wendell G.

Harris, Donald B., Cedar Rapids, Iowa. Multichannel transmission system. 2,611,825, Sept. 23.

Harris, Donald B., Des Moines, Iowa. Radio transmission system. 2,607,004, Aug. 12.

Harris, Dwight E., Stamford, assignor to The Skinner Chuck Company, Norwalk, Conn. Valve construction. 2,612,907, Oct. 7.

Harris, Edward P.: *See*—
Sampson, Frederick W., and Harris.

Harris, Edward P., and F. W. Sampson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Apparatus for reinforcing air hose. 2,615,491, Oct. 28.

Harris, Elliot H., New York, N. Y. Ultrasonic generator. 2,589,375, Mar. 18.

Harris, Elizabeth C., Washington, D. C. Lacing needle. 2,610,777, Sept. 16.

Harris, Ford W., Los Angeles, assignor to Wulff Process Company, Huntington Park, Calif. Furnace. 2,606,821, Aug. 12.

Harris, Forest K.: *See*—
Peters, Chauncey G., and Harris.

Harris, Forist, Merced, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Sanding machine. 2,598,053, May 27.

Harris Foundry and Machine Company, assignee: *See*—
Britt, Edwin H.

Harris, Frank R., Swansea, England, assignor to General Electric Company. Shaft coupling assembly. 2,611,632, Sept. 23.

Harris, Frederic R., deceased, New York, N. Y.: M. S. Lobenthal, M. P. Bloch, and F. B. Downs, executors. Foundation structure for derricks. 2,580,911, Jan. 1.

Harris, Frederic R., deceased, New York, N. Y.: M. S. Lobenthal, M. P. Bloch, and F. B. Downs, executors of said F. R. Harris. Terminal equipment for aircraft. 2,594,773, Apr. 29.

Harris, Frederic R., New York, N. Y., assignor to Stanolind Oil and Gas Co., Tulsa, Okla. Landing gear. 2,617,131, Nov. 11.

Harris, Frederick W., and C. G. Crantz, New Holland, Pa., assignors to New Holland Machine Division of The Sperry Corporation, New York, N. Y. Table for bale loaders. 2,616,551, Nov. 4.

Harris, Garrett H., Jackson, Miss. Time controlled cigarette case. 2,613,527, Oct. 14.

Harry, George H., Buffalo, N. Y. Commodity package. 2,598,373, May 27.

Harris, George M., Macon, assignor of one-half to H. A. Cook, Atlanta, Ga. Composition of matter for making artificial lumber. 2,609,303, Sept. 2.

Harris, George R., Montrose, Calif. Kitchen sink mounting. 2,584,581, Feb. 5.

Harris, George W., New Rochelle, N. Y. Combined hospital chair and pail. 2,585,771, Feb. 12.

Harris, Herbert B.: *See*—
Cesaro, Richard S., and Harris.

Harris, Herbert J.: *See*—
Boecher, Walter, Jr., and Harris.

Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Stabilization system for gunfire control apparatus and the like. 2,586,817, Feb. 26.

Harris, Homer H., Elmont, N. Y. Bracelet connector. 2,592,690, Apr. 15.

Harris Hub Bed and Spring Company, assignee: *See*—
Mis, Frank J.

Harris, James R., Dover, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor circuit for pulse amplifier delay and the like. 2,622,213, Dec. 16.

Harris, James T., Greensboro, N. C. Comb. 2,614,569, Oct. 21.

Harris, Jay C.: *See*—
Kosmin, Milton, and Harris.

Harris, Jay C., and M. Kosmin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Detergent compositions. 2,594,431, Apr. 29.

Harris, John G., Enid, Okla., assignor to Swift & Company, Chicago, Ill. Safety device for can seamers. 2,604,063, July 22.

Harris, John L., Whitefish Bay, and C. Hotchkiss, assignors to Perfex Corporation, Milwaukee, Wis. Internally fired safety pilot gas burner. 2,589,804, Mar. 18

Harris, John S., Orlando, Fla. Tool for repairing slide fasteners. 2,594,774, Apr. 29.

Harris, La Viella T., assignee: *See*—
Smith, Arthur C.

Harris, Leo, Chicago, Ill. Formed counter construction for ballet slippers. 2,619,743, Dec. 2.

Harris, Leslie E., Cornwall, Ontario, Canada. Tank for delivering measured volumes of liquid. 2,601,869, July 1.

Harris, Lewis E.: *See*—
Mourer, Kermit L., and Harris.

Harris, Manly S., San Francisco, Calif. Lashing anchor. 2,608,167, Aug. 26.

Harris, Mark: *See*—
Campbell, Thomas A., and Harris.

Harris, McLean H., and R. E McKee, Stockton, Calif. Selective color display projection apparatus. 2,591,428, Apr. 1.

Harris, Melvyn J., N. Einbinder and L. A. Manus, Chicago, Ill. Cushioning material and making same. 2,622,308, Dec. 23.

Harris, Mendel, New York, N. Y. Wigged head. 2,608,196, Aug. 26.

Harris, Milton: *See*—
Minor, Francis W., Sookne, Harris, and Pyle.

Harris, Raymond G., McKinney, Tex. Rod and reel holder. 2,606,731, Aug. 12.

Harris Research Laboratories, assignee: *See*—
Brown, Alfred E., Sookne, and Minor.
Sookne, Arnold M., and Brown.

Harris, Richard W., assignor to H. P. Cannon & Son, Incorporated, Bridgeville, Del. Canning peppers. 2,587,466, Feb. 26.

Harris, Robert L., and M. Lothrop, Berkeley, assignors to Yuba Manufacturing Company, San Francisco, Calif. Fuel burner system. 2,586,224, Feb. 19.

Harris, Robert L., and M. Lothrop, Berkeley, assignors to Yuba Manufacturing Company, San Francisco, Calif. Steam engine having a unitary valve actuator. 2,591,933, Apr. 8.

Harris, Robert L., and M. Lothrop, Berkeley, assignors to Yuba Manufacturing Company, San Francisco, Calif. Steam power plant. 2,596,968, May 20.

Harris-Seybold Company, assignee: *See*—
Harrold, Charles W.
Hill, Frank M., and Goff.
Pritchard, Howard A.
Sollner, Karl.
Wood, James R.

Harris-Seybold-Potter Company, assignee: *See*—
Spiller, William R., and Varwig.
Wood, William H.

Harris, Stanton A.: *See*—
Wilson, Andrew N., and Harris.

Harris, Sterling G., Beaufort, assignor to The Blue Channel Corporation, Port Royal, S. C. Recovering oysters. 2,608,716, Sept. 2.

Harris, Tedd B., Los Angeles, Calif. Closure for pressure vessels. 2,601,936, July 1.

Harris, Theodore W., Indianapolis, Ind., and R. B. Ingersoll, assignors to Hinman Milking Machine Co., Inc., Oneida, N. Y. Inflation for milking machines. 2,621,626, Dec. 16.

Harris, Thomas, Warwick Neck, R. I. Spindle for spinning and twisting frames. 2,609,254, Sept. 2.

Harris, Thomas A., Edgbaston, assignor to Joseph Lucas Limited, Birmingham, England. Regulating means for liquid fuel supply systems of prime movers or other apparatus. 2,588,522, Mar. 11.

Harris Trust and Savings Bank, trustee, assignee: *See*—
Arnold, Charles R.
Grevich, John J.
Harper, Philip S., and Peterson.
Humphrey, James M., and Grevich.

Harris & Tyler Limited, assignee: *See*—
Christie, Bernard A.

Harris, Val F.: *See*—
Holmes, Leslie, and Harris.

Harris, Walter D.: *See*—
Zukel, John W., and Harris.

Harris, Walter S., Wilmslow, assignor of one-quarter to E. Griffiths Hughes Limited, Adelphi, one-quarter to T. F. Gray and one-quarter to K. V. Gray, Kersal, Salford, England. Holding and extruding paste and liquid materials. 2,591,354, Apr. 1.

Harris, Warren R., Elkins Park, Pa. Dispensing container for labels and the like. 2,621,787, Dec. 16.

Harris, Weldon W., Cisco, Tex. Motion-picture show time display device. 2,596,551, May 13.

Harris, Wesley W., Cleveland, and W. Brown, South Euclid, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Galvanic anode. 2,619,455, Nov. 25.

Harris, Wilbur T., Southbury, and F. R. McAloon, Waterbury, assignors to The United States Time Corporation, Middlebury, Conn. Watch movement. 2,618,118, Nov. 18.

Harris, William M., Greenwich, Conn. Advertising display device. 2,607,144, Aug. 19.

Harrison, Agnes C., Provo, Utah. Diaper. 2,588,113, Mar. 4.

Harrison, Alma J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Tool for winding radiating fin on pipes. 2,604,138, July 22.

Harrison, Arthur E., Princeton, N. J., assignor to The Sperry Corporation. High-frequency tube structure. 2,593,443, Apr. 22.

Harrison, Bertram M., Wellesley, Mass. Removable gate. 2,581,857, Jan. 8.

Harrison (Birmingham) Limited, assignee: *See*—
Murphy, Reginald J.

Harrison, Dewey L., Dallas, Tex. Collating machine. 2,587,843, Mar. 4.

Harrison, Dove A., assignee: *See*—
Christie, Cleve F.

Harrison, Edward E., assignor of one-third to O. H. Cochran and one-third to P. Mathews, Thomaston, Ga. Pulling tool. 2,592,420, Apr. 8.

Harrison, Edwin S.: *See*—
Riley, Howard W., and Harrison.

Harrison, Geoffrey B., and R. R. Robinson, assignors to Ilford Limited, Ilford, England. Production of color correction masks in multilayer photographs. 2,606,116, Aug. 5.

Harrison, George, Berwyn, Ill., assignor to National Lead Company, New York, N. Y. Rod casting device. 2,623,253, Dec. 30.

Harrison, Glenn, Medford, Oreg. Display package and mound therefor. 2,612,989, Oct. 7.

Harrison, Harry W., and R. Bassinger, Houston, Tex. Joint. 2,597,482, May 20.

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,602,853, July 8.

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,608,630, Aug. 26.

Harrison, Henry J., El Paso, Tex. Pressure plate for plural platen presses. 2,620,725, Dec. 9.

Harrison, James W.: *See*—
Houdry, Eugene J., and Harrison.

Harrison, John B., and L. F. Jaseph, assignors to Rotary Lift Company, Memphis, Tenn. Safety device for lifting mechanism. 2,601,759, July 1.

Harrison, John G., Jr., Trenton, N. J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Making stretchable suede material. 2,622,040, Dec. 16.

Harrison, John K. M., Gainesville, Va. Shock resistant container. 2,582,541, Jan. 15.

Harrison, John K. M., Gainesville, Va. Combined opener and pour spout. 2,594,161, Apr. 22.

Harrison, John K. M., Gainesville, Va. Shock resistant container. 2,618,428, Nov. 18.

Harrison, John K. M., Gainesville, Va. Combined opener and pour spout. 2,619,258, Nov. 25.

Harrison, John M., Dorchester, assignor to Acolian-Skinner Organ Company, Inc., Boston, Mass. Electrical musical instrument. 2,598,790, June 3.

Harrison, John S. M., and S. W. Roach, North Vancouver, British Columbia, assignors to Canadian Patents and Development Limited, Ottawa, Ontario, Canada. Fish cleaning machine. 2,602,184, July 8.

Harrison, Joseph R., Jr., Chicago, Ill. Pump type dispenser with cartridge having flexible and rigid portions. 2,608,320, Aug. 26.

Harrison, Kenneth W., London, assignor to Telephone Manufacturing Company Limited, West Dulwich, London, England. Electric carrier wave signaling system. 2,598,966, June 3.

Harrison, Lawrence H., Birmingham, Ala., assignor to the United States of America as represented by the Secretary of the Interior. Short-circuiting contactor for direct-current circuits. 2,595,251, May 6.

Harrison, Meyer: *See*—
Korman, Samuel B., and Harrison.

Harrison, Noah H., Birmingham, Ala. Beehive automatic swarm control. 2,607,053, Aug. 19.

Harrison, Patrick, Rouyn, Quebec, Canada. Cage and operating mechanism for shaft shovels. 2,587,844, Mar. 4.

Harrison, Peter W.: *See*—
Isigonis, Alexander A., Morris, and Harrison.

Harrison, Raymond B., Arlington, Mass. Shoe lining having self-stiffening properties. 2,611,726, Sept. 23.

Harrison, Raymond B., Braintree, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Laminated box toe stiffening material. 2,616,821, Nov. 4.

Harrison, Robert G.: *See*—
Ruthven, James, Jr., and Harrison.

Harrison, Stuart A., Minneapolis, Minn., assignor to General Mills, Inc. Fatty acrylate-styrene copolymers. 2,593,444, Apr. 22.

Harrison, Stuart A., Minneapolis, Minn., assignor to General Mills, Inc. Esterification process. 2,622,071, Dec. 16.

Harrison, Stuart A., Stow, Ohio, and W. E. Brown, Cambridge, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of synthetic polymeric materials. 2,614,089, Oct. 14.

Harrison, Ward D.: *See*—
Matthews, Robinson E., and Harrison.

Harrison Weise Company, assignee: *See*—
Anderson, Wallace L.

Harrison, William H., Los Angeles, Calif. Color temperature and exposure meter. 2,585,245, Feb. 12.

Harriss, Lloyd J., Kenilworth, and B. Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss. Crust rolling apparatus. 2,610,589, Sept. 16.

Harrold, Arthur E., Wyken Coventry, assignor to The General Electric Company Limited, London, England. Electrical inductor. 2,592,802, Apr. 15.

Harrold, Charles W., University Heights, assignor to Harris-Seybold Company, Cleveland, Ohio. Impression length varying means for rotary offset printing machines. 2,619,901, Dec. 2.

Harrold, Kenneth: *See*—
Garrard, Ernest C., and Harrold.

Harrold, Kenneth G.: *See*—
Garrard, Ernest C., and Harrold.

Harrower, William, assignor to Everlasting Valve Company, Jersey City, N. J. Valve operating mechanism. 2,583,050, Jan. 22.

Harrower, William, assignor to Everlasting Valve Company, Jersey City, N. J. Valve. 2,591,429, Apr. 1.

Harrower, William, assignor to Everlasting Valve Company, Jersey City, N. J. Swinging gate valve mechanism. 2,600,499, June 17.

Harry, Geoffrey M., Oak Park, Ill. Variable speed reducer. 2,602,340, July 8.

Harry, Stephen G., Cody, Wyo. Chicken and hog feeder. 2,593,879, Apr. 22.

Harry, William R.: *See*—
Van Ryan, Anthony, and Harry.

Harsch, Paul, Nurnberg-Eibach, Bavaria, and F. Rinkel, Nurnberg, Bavaria, assignors to Firma "Noris" Zund-Licht Aktiengesellschaft, Bavaria, Germany. Magneto-electric machine. 2,582,866, Jan. 15.

Harsh, Harold C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Multilayer photographic color film in which at least one layer contains a mixture of cyan, magenta, and yellow dye image intermediates. 2,592,514, Apr. 8.

Harsh, Harold C., and J. S. Friedman, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Producing multilayer color negatives containing masking images for color correction purposes. 2,607,681, Aug. 19.

Harsh, Joseph D., Adel, Iowa. Hot-air heating furnace. 2,612,890, Oct. 7.

Harshaw Chemical Company, The, assignee: *See*—
Harshaw, William J., and Hay.
King, Burnham W., Jr., and Tesar.
Morris, William C.

Harshaw, William J., Shaker Heights, and J. O. Hay, Cleveland Heights, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Copper compounds and manufacture thereof. 2,581,951, Jan. 8.

Harshbarger, Clarence W., Detroit, Mich. Scraping and cleaning implement. 2,618,005, Nov. 18.

Harshberger, Russell P., Altadena, Calif. Vibrating safety razor with yieldably mounted blade guard. 2,609,602, Sept. 9.

Harshberger, Russell P., Altadena, Calif. Garden tractor with vibratory tool. 2,613,582, Oct. 14.

Harshberger, Russell P., Altadena, Calif. Self-contained agitator for washing clothes. 2,622,425, Dec. 23.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Milking machine trap. 2,581,530, Jan. 8.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Centrifugal guided speed responsive device with spring support. 2,603,473, July 15.

Harstick, William H., Oak Park, and H. W. Hein, Chicago, Ill., assignors to International Harvester Company. Magnetically actuated milk metering device. 2,611,269, Sept. 23.

Harstick, William H., Oak Park, and O. E. Hintz, Chicago, Ill., assignors to International Harvester Company. Drive coupling for centrifugal separators. 2,613,968, Oct. 14.

Harstin, George W., Hudson, N. C. Roving stop motion attachment for spinning frames. 2,620,518, Dec. 9.

Hart, Carl: *See*—
Freimann, Frank, Hart, and Knox.

Hart-Carter Company, assignee: *See*—
Bosma, Alfred S.

Hart, Cecil A., Hackensack, N. J. Window sill shelf. 2,583,838, Jan. 29.

Hart, Cecil A., Hackensack, N. J. Pocket lighter with coiled spring follower unit. 2,586,035, Feb. 19.

Hart, Charlie B., Odessa, Tex. Dual engine manifold pressure balancing device. 2,584,872, Feb. 5.

Hart & Cooley Manufacturing Co., assignee: *See*—
De Roo, William C.

Hart, Duane M., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Adjusting mechanism for load compensating brake apparatus. 2,605,145, July 29.

Hart, Frederick, & Co., Inc., assignee: *See*—
Royston, Marvin F.

Hart, George L., Providence, Ky. Compressor supporting platform for tractors or other vehicles. 2,610,787, Sept. 16.

Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Avoiding effect of moisture during high-frequency dielectric heating. 2,592,691, Apr. 15.

Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cement sole attaching machine using high-frequency. 2,619,661, Dec. 2.

Hart, Gerald E., U. S. Navy. Blind landing system. 2,611,124, Sept. 16.

Hart, Gustavus W., West Simsbury, Conn. Starter for internal-combustion engines. 2,585,313, Feb. 12.

Hart, Harold M.: *See*—
Alford, Andrew, and Hart.

Hart, Harry L.: *See*—
Gugg, Kenly C., and Hart.
Reynard, Chauncey G., and Hart.

Hart, Henry A., Bayside, assignor to Paper Novelty Manufacturing Company, Inc., Brooklyn, N. Y. Slip-on ornament. 2,613,140, Oct. 7.

Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Carriage returning mechanism for typewriters or like machines. 2,617,512, Nov. 11.

Hart, James F., deceased, Bishop, Calif., by J. A. Hart, administratrix, assignor of one-half to J. A. Hart and one-half to A. M. Talmadge, Bishop, Calif. Apparel support. 2,617,571, Nov. 11.

Hart, James L., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Recovery of indium values as indium arsenate. 2,586,649, Feb. 19.

Hart, Jo A., administratrix, assignee: *See*—
Hart, James F.

Hart, John, Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich. Biscuit cutting machine and the like. 2,591,256, Apr. 1.

Hart, John W., Albany, assignor to Sterling Drug Inc., New York, N. Y. Disposable hypodermic syringe. 2,616,420, Nov. 4.

Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. Electric switch or circuit breaker. 2,583,174, Jan. 22.

Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. High-voltage switch. 2,601,138, June 17.

Hart, Lucille, New York, N. Y. Slip clip and combination garment. 2,595,139, Apr. 29.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Lever lock. 2,582,484, Jan. 15.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Unit assembly-rotatable dial. 2,602,414 July 8.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Tare offsetting mechanism. 2,614,826, Oct. 21.

Hart, Norman E., and W. A. Guss, assignors to Toledo Scale Company, Toledo, Ohio. Bearing retaining means. 2,584,873, Feb. 5.

Hart Products Corporation, assignee: *See*—
Schwartz, B. Robert.

Hart, Raymond S., Brooklyn, N. Y. Temperature compensated contactor. 2,608,604, Aug. 26.
Hart, Robert K., Croswell, Mich. Forearm fracture traction applicator. 2,584,203, Feb. 5.
Hart, Stephen V., Haddonfield, N. J., assignor to Radio Corporation of America. Electrical time-delay network. 2,591,810, Apr. 8.
Hart, Stephen V., Haddonfield, N. J., assignor to Radio Corporation of America. Time delay circuits. 2,617,024, Nov. 4.
Hart, Walter H., Winnetka, Ill. Modified starch product. 2,585,651, Feb. 12.
Hart, William A., Birmingham, Mich. Fence supporting bracket. 2,608,386, Aug. 26.
Hartemann, Georges, Montbard, assignor to Societe Anonyme Louvroil Montbard Aulnoye, Paris, France. Drop hammer. 2,583,049, Jan. 22.
Harter, Clair, Gurnee, Ill., assignor, by mesne assignments, to Flex-O-Glass, Inc. Cutting and forming machine. 2,596,997, May 20.
Harter Corporation, assignee: *See*—
Penchoen, Henry A.
Harter, Isaac, Beaver, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater control system. 2,607,576, Aug. 19.
Harter, Isaac, and I. Harter, Jr., Beaver, and O. R. Carpenter, Barberton, Ohio, assignors, by mesne assignments, to the Babcock & Wilcox Company, Jersey City, N. J. Process of and apparatus for continuously casting metals. 2,590,311, Mar. 25.
Harter, Isaac, Jr.: *See*—
Harter, Isaac and I., Jr., and Carpenter.
Harter, Isaac, Jr., Beaver, Pa., assignor by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J. Multiple circuit controller having a universally movable single operator. 2,622,161, Dec. 16.
Harter, Isaac, Jr., Beaver, Pa., and G. A. Pugh, Youngstown, Ohio, assignors to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Apparatus for handling continuous castings. 2,582,329, Jan. 15.
Harter, Noah S., Waukegan, Ill., assignor to United States Steel Company. Flat wire conveyer belt and cover plate therefor. 2,621,779, Dec. 16.
Hartford National Bank and Trust Company, trustee, assignee: *See*—
Alink, Roelof J. H., Dippel, and Houtman.
Arends, Jacobus L.
Asscher, Meier.
Bailey, Christopher E. G.
Beard, Ernest G.
Beukema, Willem.
Blenfait, Henri, and Boon.
Bierman, Aron.
Bloem, Herman, and Stel.
Boerdijk, Arie H., and Janssen.
Boelens, Willem W.
Bol, Arie.
Boosman, Herman B. R., and Zijlstra.
Brandt, Adrianus.
Broos, Henricus A.
Brouwer, Pieter H. J.
Browne, Geoffrey D.
Bruining, Hajo, de Boer, and Schagen.
Bruyning, Hugo G.
Buchner, Robert B.
Bügel, Roelof D.
Buisman, Jan A. K.
Casimir, Hendrik B. G.
Claessen, Wilhelmus H. L.
Clay, Pieter H.
Cluwen, Johannes M.
Coeterier, Frederick.
Dammers, Bernhardus G.
Dankers, Christiaan J. J.
De Beurs, Pieter H.
De Boer, Floris, Bruining, and Schagen.
De Boer, Kornelis.
De Brey, Heinrich.
De Brey, Heinrich, and van Weenen.
De Fremery, Frank.
De Gier, Johannes.
De Gier, Johannes, and Peper.
De Groot, Folkert A.
Dell, Hugh A., Caple, and Beaven.
Derksen, Jan C., and Jacobs.
De Weyer, Henricus J.
Diemer, Gesinus.
Diemer, Gesinus, and Knol.
Dippel, Cornelis J., Lely, and Dikhoff.
Dorgelo, Eduard G., Krol, and van Meurs.
Douma, Tjiske.
Douma, Tjiske, and Verhoeff.
Dros, Albert A., and Koopmans.
Du Pré, Frits K.
Elenbaas, Willem, Kolkman, and van der Wolf.
Ensink, Johannes.
Falk, Sven G.
Fortuyn, Koenraad D.
Gerritsen, Dirk J.
Groenenberg, Maarten J.
Gruithof, Barend G.
Gusdorf, Frederik H.
Gusdorf, Frederik H., Simons, Verhoeven, and Visch.
Hartford National Bank and Trust Company, trustee, assignee: *See*—Continued.
Hagenberg, Theodorus.
Hansen, Hendrik N., and Greefkes.
Hardenberg, Jan J. C.
Haringx, Johannes A.
Hepp, Gerard.
Hoekstra, Johannes.
Hofland, Karel R.
Horowitz, A.
Horowitz, Alexandre.
Horowitz, Alexandre, and Bosscher.
Hugenholtz, Eduard H.
Jansen, Marinus J., and Lemmens.
Janssen, Johannes M. L.
Janssen, Johannes M. L., and Ensing.
Janssen, Peter J. H.
Jaspers, Alphonsus M. J.
Jones, Emlyn.
Jonker, Johan L. H., and Diemer.
Jonker, Johan L. H., and Six.
Jonker, Johan L. H., and van Overbeek.
Jürgens, Willi H. F.
Keblusek, Richard.
Keukens, Hubertus P., and Verbeek.
Klaassens, Klaas H., and Schoot.
Klasens, Hendrik A.
Klasens, Hendrik A., and Vingerhoets.
Kiels, Derk, and van Tol.
Klinkhamer, Hendrik A. W.
Klopping, Carel P.
Knol, Kornelis S., and Diemer.
Knol, Kornelis S., and van der Ziel.
Knös, Gunnar B.
Kölder, Jacob W. L.
Köhler, Jacob W. L., Jonkers, Stigter, and Liebe.
Koopmans, Adriaan.
Kröger, Ferdinand A.
Kröger, Ferdinand A., and Dikhoff.
Kronouer, Johan G., and Recourt.
Kuntke, Alfred.
Lambeek, Adriaan J. J.
Latimer, Kenneth E.
Liebe, August A.
Loosjes, Robert, and Geuechten.
Lucas, John H.
Mak, Gerrit, and Storm.
Mann, Ernö.
Mantz, Marius R.
Moerman, Willem.
Mol, Evert A. J.
Mulder, Johannes G. W., and Hagenberg.
Neeteson, Pieter A.
Olthuis, Jan M., and Hugenholtz.
Overton, Bryan R.
Poelma, Jacob, and Lamberts.
Posthumus, Klaas.
Recourt, Johannes C. A., and Los.
Reerink, Englbert H., and Van der Vliet.
Reijnst, Maximilien F.
Reijnst, Maximilien F., and de Beer.
Reiniger, Friedrich.
Repko, Jan D.
Richards, Claude L., and Glaisher.
Rijnders, Johannes.
Rinia, Herre.
Rinia, Herre, and de Brey.
Rinia, Herre, de Brey, and van Heeckeren.
Rinia, Herre, van Alphen, van Weenen, Leblans, and Bouwers.
Rodenhuis, Klaas.
Schagen, Pieter.
Schrage, Bote, Wijsman, and van den Steenhoven.
Semeyn, Johannes.
Seur, Christiaan J., and Kerter.
Severs, Jan.
Siezen, Gerrit J.
Six, Willem, Beijers, and te Winkel.
Slade, Charles E., and Kershaw.
Staal, Cornelis J. H. A.
Starre, Gerrit.
Starre, Gerrit, and van den Berge.
Steringa Idzerda, Henrikus H. S.
Steyer, Friedhelm, and Werner.
Stigter, Albert.
Stigter, Willem H.
Stolk, Jan.
Strating, Jan.
Strivens, Maurice A.
Strutt, Maximiliaan J. O., and Van der Ziel.
Strutt, Maximiliaan J. O., van der Ziel, and Knol.
Unk, Jacob M., and Vervest.
Valeton, Josué J. P.
Van Alphen, Pieter M.
Van Der Lee, Albertus, Vivie, and Holland.
Van der Willigen, Paul C.
Van de Wiel, Alfred.
Van Dorsten, Adrianus C.
Van Elzik, Pieter F., and Hansen.
Van Gelder, Zeger.
Van Heeckeren, Willem J.
Van Heeckeren, Willem J., and Rinia.
Van Heeckeren, Willem J., Vermeer, and Baartman.
Van Hofweegen, Johannes M., and Knol.

Hartford National Bank and Trust Company, trustee, assignee: *See*—Continued.
Van Hofweegen, Johannes M., and Strutt.
Van Loon, Carel J., de Koning, and de Vroome.
Van Meurs, Johan F., and Venema.
Van Overbeek, Adrianus J. W. M.
Van Overbeek, Adrianus J. W. M., Van Gelder, and Jonker.
Van Slooten, Jacob.
Van Wageningen, Johan H.
Van Weel, Adelbert.
Van Weenen, Franciscus L.
Van Weenen, Franciscus L., and de Brey.
Van Weenen, Franciscus L., Rathenau, and Koelewijn.
Van Werd, Johannes H. F., and Anderson.
Van Weynsbergen, Charles L.
Van Yzeren, Ewoud A.
Van Zelst, Johannes J. Z.
Van Zelst, Johannes J. Z., and Cluwen.
Veldhuyzen, Eduard J. J.
Vervest, Wilhelmus L., and van Gelder.
Verwey, Evert J. W.
Vivie, Wilhelmus L. L.
Westerveld, Frans.
Willemse, Theo W.
Witsenburg, Emilius C., and Teunissen.
Yzer, Jacobus A. L.
Zaayer, David.
Zorgman, Cornelis.
Zylstra, Paul.
Hartig, Rolf P., Minneapolis, Minn. Cotton holder for dental use. 2,614,325, Oct. 21.
Hartig, Walter, Scotch Plains, and J. J. Smith, Fort Lee, assignors to Pabst Brewing Company, Newark, N. J. Bottle sorting machine. 2,609,926, Sept. 9.
Hartley, Emmett C.: *See*—
Davies, Robert H., and Hartley.
Hartley, Emmett C., Euclid, assignor to The Parker Appliance Company, Cleveland, Ohio. Differential fuel regulator for turbojet engines. 2,590,312, Mar. 25.
Hartley, Eugene F., assignee: *See*—
Smith, Clarence C.
Hartley, George C., W. J. Reynolds, London, England, and L. B. Haigh, West Orange, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Binary add-subtract device. 2,601,281, June 24.
Hartley, Gilbert S., Fulbourne, assignor to Pest Control Limited, Bourn, England. Purification of derivatives of phenoxyacetic acid. 2,594,556, Apr. 29.
Hartley, Harry F., Jr.: *See*—
Boothroyd, Wilson P., and Hartley.
Hartley, Jack K., Queensferry, near Chester, England, V. F. West and T. E. Edwards, Flint, Wales, assignors to Courtaulds Limited, London, England. Yarn twisting machine. 2,599,256, June 3.
Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide dielectric protection. 2,602,858, July 8.
Hartley, Richard A., North Hollywood, Calif. Magazine type slide projector. 2,594,162, Apr. 22.
Hartley, William R., Eldorado, Okla. Cotton stripping comb. 2,616,236, Nov. 4.
Hartline, Ralph E.: *See*—
Eisler, Joseph D., and Hartline.
Silverman, Daniel, and Hartline.
Hartline, Ralph E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Combustible gas analyzing apparatus. 2,617,716, Nov. 11.
Hartline, Ralph E., and R. P. Murphy, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Fluid ingress location in wells. 2,595,578, May 6.
Hartman, Burton B. and L. B., Wichita, Kans. Can opener. 2,606,363, Aug. 12.
Hartman, Carl H.: *See*—
Peterson, William R., and Hartman.
Hartman, Carlyle E., San Jose, Calif. Cold wall refrigerator with one-mesh produce containers. 2,586,225, Feb. 19.
Hartman, Clarence F., Cincinnati, assignor to The Campbell-Hausfeld Company, Harrison, Ohio. Valve. 2,585,773, Feb. 12.
Hartman, Clarence F., Silverton, Ohio. Toy ring launching device. 2,603,204, July 15.
Hartman, David E., Toronto, Ontario, Canada. Sliding support mechanism. 2,591,066, Apr. 1.
Hartman, Herbert G., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,586,428, Feb. 19.
Hartman, Lloyd B.: *See*—
Hartman, Burton B. and L. B.
Hartman, Richard A., and L. H. Flora, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,581,481, Jan. 8.
Hartman, Robert B., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Electrical conductivity testing apparatus. 2,585,121, Feb. 12.
Hartman, Robert B., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Inspection device. 2,611,876, Sept. 23.
Hartman, Robert M.: *See*—
Potter, Frank M., and Hartman.
Hartman, Rush S., Trenton, N. J. Closure operating means. 2,585,122, Feb. 12.
Hartman, William L.: *See*—
Goedeke, William J., and Hartman.
Hartmann, Carl H. W., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Tubular chart device. 2,590,313, Mar. 25.
Hartmann, Gregory K., Garrett Park, Md. Pellet crusher pressure gauge. 2,620,652, Dec. 9.
Hartmann, Hans, assignor to Aktiengesellschaft Brown, Bovieri & Cie, Baden, Switzerland. Apparatus for accelerating electrons. 2,585,549, Feb. 12.
Hartmann Manufacturing Company, assignee: *See*—
Hartmann, Philip.
Hartmann, Max, and W. Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Phenoxyethyl-dimethyl-dodecyl-ammonium halides. 2,581,336, Jan. 8.
Hartmann, Paul K. T., Woodhaven, N. Y. Optical system for projecting the printed matter of typewriters. 2,604,006, July 22.
Hartmann, Paul K. T., Woodhaven, N. Y. Optical system for tape projectors. 2,604,007, July 22.
Hartmann, Philip, assignor to Hartmann Manufacturing Company, Racine, Wis. Vane type pump or motor. 2,623,470, Dec. 30.
Hartmann, Philip, assignor to Hartmann Manufacturing Company, Racine, Wis. Vane type pump or motor. 2,623,471, Dec. 30.
Hartmann, William H., Lemay, Mo. Automatic dividing device for conveyer systems. 2,602,534, July 8.
Hartnett, Clarence M., Mountain View, Calif. Wheel brake device. 2,618,363, Nov. 18.
Hartnett, Paul L., Leominster, Mass. Swirling and mixing sipping straw. 2,613,107, Oct. 7.
Hartney, James L., Chicago, Ill., assignor to United States Steel Company. Apparatus for atomizing fuel in open hearth furnaces. 2,587,153, Feb. 26.
Harton, Erskine E.: *See*—
Ayers, George W., Harton, and Mazurk.
Hartough, Howard D.: *See*—
Keyser, Paul V., Jr., Schick, and Hartough.
Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,606,154, Aug. 5.
Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of N-substituted aminomethylsulfonic acids. 2,609,374, Sept. 2.
Hartough, Howard D., Pitman, and J. J. Dickert, Jr., West Collingswood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylidene-alkoxyarylalkylamines and preparation thereof. 2,582,867, Jan. 15.
Hartough, Howard D., Pitman, and H. W. Sheldon, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Solvents containing nitriles. 2,583,509, Jan. 22.
Hartough, Howard D., Pitman, P. D. Caesar, Wenonah, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Anion exchange resins and treating mineral oils. 2,585,652, Feb. 12.
Hartough, Howard D., Pitman, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Aminoalkyl derivatives of thiophene. 2,612,505, Sept. 30.
Hartrampf, Otto B., Hillsboro, Oreg. Cake turner. 2,621,957, Dec. 16.
Hartshorn, Stanley D.: *See*—
Borton, George W., and Hartshorn.
Hartsuch, Paul J., La Grange, and C. Wachtl, Evanston, assignors to Lithographic Technical Foundation, Chicago, Ill. Etching process. 2,599,914, June 10.
Hartung, Charles A., Ridley Park, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus. 2,607,911, Aug. 19.
Hartung, George A., Brookfield, Ill. Golf putting practice device. 2,596,682, May 13.
Hartung, Richard S., Marietta, Ohio. Mechanical valve silencer. 2,607,330, Aug. 19.
Hartwell, Ralf L., Orange, assignor to Metal Textile Corporation, Roselle, N. J. Bonding device for lightning protection. 2,623,918, Dec. 30.
Hartwell, Robert H., Naugatuck, Conn. Cam-actuated door support and clamp. 2,619,137, Nov. 25.
Hartwick, Louis M.: *See*—
Kinney, Selwyne P., and Hartwick.
Hartwig, Edward C.: *See*—
Stadum, Clarence B., Hartwig, and Large.
Hartwig, Edward C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuits. 2,594,016, Apr. 22.
Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reverse plating timer. 2,597,082, May 20.
Hartwig, Edward C., and W. E. Large, Tonawanda, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,588,523, Mar. 11.
Harty, Edgar A., Marblehead, Mass., assignor to General Electric Company. Metal rectifier assembly. 2,586,539, Feb. 19.

Hartz, Raymond J., Cuyahoga Falls, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter generator. 2,600,762, June 17.

Hartz, Raymond J., Cuyahoga Falls, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Speed governor. 2,600,763, June 17.

Hartz, Vernon O., Glendale, Calif. Rotary fluid coupling. 2,587,154, Feb. 26.

Hartzell, Donald W., assignor to Hartzell Products, Inc., New York, N. Y. Automatic fire extinguisher. 2,581,324, Jan. 1.

Hartzell, Lester J., Jr.: *See*—
Klepetko, Ernest, and Hartzell.
Klepetko, Ernest, Kaye, and Hartzell.

Hartzell, Maurice H., Chester, Pa. Typographic mold. 2,606,649, Aug. 12.

Hartzell Products, Inc., assignee: *See*—
Hartzell, Donald W.

Hartzell Propeller Fan Company, assignee: *See*—
Herrman, Donald D., and Monroe.
Monroe, Homer K.

Hartzler, Melvin E.: *See*—
McKee, John F., and Hartzler.

Hartzog, Buford H., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions of matter comprising halogenated organic compounds. 2,582,200, Jan. 8.

Harvard Apparatus Company, Inc., assignee: *See*—
Murphy, William P., Jr.

Harvard Manufacturing Company, The, assignee: *See*—
Jackson, Leslie K.

Harvel Corporation, The, assignee: *See*—
Arcidiacono, Peter.
Harvey, Mortimer T.
Rosamilia, Peter L., and Caplan.
Wasserman, David.

Harvengt, Edmond, Moustier-sur-Sambre, Belgium, assignor to Link-Belt Company, Chicago, Ill. Jig for treating materials of different specific gravities. 2,612,997, Oct. 7.

Harvey, Charles H., Jacksonville, Fla. Paring knife attachment. 2,582,988, Jan. 22.

Harvey, David N., Jr., assignor to Monticello Bobbin Company, Monticello, Ga. Skewer. 2,589,545, Mar. 18.

Harvey, Dorothy J., University City, and F. B. Zienty, Brentwood, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of gentisic acid and its alkali metal and ammonium salts. 2,608,579, Aug. 26.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Film metering mechanism. 2,621,866, Dec. 16.

Harvey, Earle M., Agawam, Mass., assignor to the United States of America as represented by the Secretary of War. Adjustable rear sight for firearms. 2,585,933, Feb. 19.

Harvey, Earle M., Agawam, Mass., assignor to the United States of America as represented by the Secretary of War. Rotatable trigger guard for firearms. 2,590,858, Apr. 1.

Harvey, Earle M., Springfield, Mass. Gas piston for firearms. 2,582,989, Jan. 22.

Harvey, Henry E.: *See*—
Clark, Thomas, and Harvey.

Harvey, Herbert: *See*—
Thompson, Robert H., and Harvey.

Harvey, Herman S., Minersville, Pa. Dental mirror and retractor. 2,582,121, Jan. 8.

Harvey, J. Mark, assignee: *See*—
Dieffenderfer, John E.

Harvey, James L., Alliance, Ohio, assignor to The Babcock & Wilcox Company, Jersey City, N. J. Fuel burning means. 2,588,833, Mar. 11.

Harvey, James W., assignor to S. A. Harvey, Lakeville, Conn. Fish lure and manufacture. 2,583,942, Jan. 29.

Harvey, James W., assignor to S. A. Harvey, Lakeville, Conn. Quiver. 2,587,155, Feb. 26.

Harvey, James W., Lakeville, Conn. Deep-running fish lure. 2,611,206, Sept. 23.

Harvey, James W., Lakeville, Conn. Arrow guard. 2,611,354, Sept. 23.

Harvey, Jesse C., assignor to Westcott Chuck Company, Oneida, N. Y. Universal chuck. 2,598,165, May 27.

Harvey, Leo M., assignee: *See*—
Frick, Chester A.

Harvey, Merlin P.: *See*—
Ladd, Elbert C., and Harvey.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Animal feed. 2,592,565, Apr. 15.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Partially hydrogenated furfuraldehydeketone reaction products thickened under acidic conditions. 2,600,403, June 17.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Hydrogenated products. 2,600,764, June 17.

Harvey, Norman J., Bellevue, Nebr. Retractable step. 2,599,529, June 10.

Harvey, Robert L.: *See*—
Landon, Vernon D., Harvey, and Keizer.

Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Dielectric tuning system. 2,611,088, Sept. 16.

Harvey, Robert P., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Key hanger support for key cases. 2,582,033, Jan. 8.

Harvey, Starr A., assignee: *See*—
Harvey, James W.

Harvey, Valentine P., assignor to Molins Machine Company Limited, London, England. Tucking mechanism for wrapping machines. 2,611,226, Sept. 23.

Harvey, W. Ward, executor: *See*—
Lucas, Elmer A.

Harvie, Alexander R., Orillia, Ontario, Canada. Pneumatic pump. 2,612,118, Sept. 30.

Harvill, Edward K., Essex, assignor to Ernst Bischoff Company, Inc., Ivoryton, Conn. Aminophylline fatty alcohol suppository. 2,586,329, Feb. 19.

Harvuot, Frank B., assignor to Bowser, Inc., Fort Wayne, Ind. Expendible cartridge filter and making same. 2,584,387, Feb. 5.

Harvuot, Richard E., Los Angeles, and A. J. Jones, Palm Springs, Calif. Hair curler. 2,580,425, Jan. 1.

Harwood, James: *See*—
Ralston, Anderson W., Vander Wal, and Harwood.

Harwood, John, Walsall, England. Case. 2,604,919, July 29.

Harwood, Kenneth J.: *See*—
Rickard, Charlotte I., and Harwood.

Hasbany, Woodrow A.: *See*—
Churchill, Harold E., and Hasbany.

Hasbrook, Arthur F., assignor to Olive S. Petty, San Antonio, Tex. Test device for determining time delay in pulse repeaters. 2,604,622, July 22.

Hasbrouck, John S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Accessory and counterbalance drive for power plants. 2,595,942, May 6.

Hasche, Rudolph L., Johnson City, Tenn. Solid acetylene. 2,584,875, Feb. 5.

Hasche, Rudolph L., Johnson City, Tenn., assignor to Carbonic Development Corporation. Regenerator packing construction. 2,622,864, Dec. 23.

Hascher, Eugene: *See*—
Parlini, Alexander C., Hascher, and Recker.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway car trucks. 2,581,531, Jan. 8.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Actuating mechanism for sliding doors of refrigerator cars. 2,583,646, Jan. 29.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Holding means for operating lever arms of door fasteners. 2,595,357, May 6.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. One-piece supporting bracket for tracks for sliding doors. 2,597,147, May 20.

Haselton, Kenneth E., assignor to N. D. Cass Co., Athol, Mass. Rocking chair with musical device. 2,623,430, Dec. 30.

Haseman, Walter: *See*—
Hunlcke, William F., and Haseman.

Haseman, Walter, assignor of one-half to C. R. Jones, Evansville, Ind., Fishing trap. 2,603,031, July 15.

Hashimoto, Edward Y., Wahiawa, Oahu, Hawaii. Window structure and operating medium therefor. 2,607,585, Aug. 19.

Haskel Engineering & Supply Co., assignee: *See*—
Hayman, Richard L., Driskel, and Hill.

Haskellite Manufacturing Corporation, assignee: *See*—
Potchen, Joseph A.

Haskell, James B., assignor to West Virginia Steel and Manufacturing Company, Huntington, W. Va. Wheel rerailer. 2,589,077, Mar. 11.

Haskell, John P., Detroit, Mich. Holder for dispensing cartons and the like. 2,620,153, Dec. 2.

Haskell Research Foundation, assignee: *See*—
Baker, George L.

Haskett, Burl W., Huntington, Ind. Gate structure. 2,582,122, Jan. 8.

Haskin, Walter E., New York, assignor to Pressed and Welded Steel Products Company, Long Island City, N. Y. Binder. 2,617,422, Nov. 11.

Haskins, Robert, Jr., Garden City, N. Y., assignor to The Sperry Corporation. Gyro instrument. 2,584,876, Feb. 5.

Haslam, John H.: *See*—
Taylor, James D., and Haslam.

Haslam, John H., Arden, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of organic compounds. 2,621,192, Dec. 9.

Haslam, John H., Arden, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymeric titanium compounds. 2,621,195, Dec. 9.

Haslett, Martin M., Demorest, Ga., assignor to W. D. Highfill, Ben Tillman Naval Base, S. C. Electrical tester. 2,583,424, Jan. 22.

Hasley, Andrew D., Basking Ridge, and F. H. Hibbard, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and circuit for pulsation welding. 2,585,772, Feb. 12.

Hasley, Frederick E., Wilkinsburg, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,617,001, Nov. 4.

Hasley, Frederick E., Vestal, N. Y., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,617,002, Nov. 4.

Hasley, Frederick E., Wilkinsburg, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating device. 2,617,009, Nov. 4.

Haslop, Norman E., North Ridgeville, assignor to The Lakeside Metal Stamping Co., Cleveland, Ohio. Mounting. 2,615,213, Oct. 28.

Haspert, John, Tampa, Fla. Rotary printing machine employing cylinders of various diameters. 2,606,493, Aug. 12.

Hass, Henry B., Forest Hills, N. Y., and L. G. Alexander, Norman, Okla., assignors to Purdue Research Foundation, Lafayette, Ind. Nitration of saturated aliphatic hydrocarbons. 2,609,401, Sept. 2.

Hassan, Fauthal A., assignee: *See*—
Hassan, Joseph A.

Hassan, Joseph A., assignor of one-half to Fauthal A. Hassan, Quincy, Mass. Electric actuating device. 2,609,463, Sept. 2.

Hasselblad, Fritz V., assignee: *See*—
Petersén, Curt W.

Hasselbohm, Sune S. S., Hagersten, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Electrical connecting terminal strap. 2,583,530, Jan. 29.

Hasselbring, John, Woodhaven, N. Y. Collapsible or knockdown portable horse. 2,602,008, July 1.

Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Sealed arrester. 2,595,658, May 6.

Hassell, John, Tampa, Fla. Window structure. 2,606,346, Aug. 12.

Hasselman, Martin G.: *See*—
Gartner, Stanley J., and Hasselman.

Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Collapsible pond. 2,616,096, Nov. 4.

Hasselwander, Claude F., Rochester, N. Y. Filter. 2,606,628, Aug. 12.

Hassinen, John B.: *See*—
Bernhart, Finn W., and Hassinen.

Hassler, Edwin B.: *See*—
Frihart, Henry N., and Hassler.

Hast, Nils B. and S. G., Stockholm, Sweden. Device for measuring small longitudinal changes. 2,605,635, Aug. 5.

Hast, Sven G.: *See*—
Hast, Nils B. and S. G.

Hastie, Austin: *See*
Dupuis, Conrad L., and Hastie.

Hastie, Henry B.: *See*—
Austin, Franklin L., and Hastie.

Hastings, Charles E., assignor to Hastings Instrument Company, Inc., Hampton, Va. Radio navigation system. 2,608,685, Aug. 26.

Hastings, Charles E., assignor to Hastings Instrument Company, Inc., Hampton, Va. Radio navigation system. 2,608,686, Aug. 26.

Hastings, Dwight, assignor to Artcraft Products Company, Marion, Iowa. Necktie hanger. 2,618,391, Nov. 18.

Hastings Instrument Company, Inc., assignee: *See*—
Hastings, Charles E.
Timble, Donald N.

Hastings Manufacturing Company, assignee: *See*—
Dutterer, Rex J. L., Johnson, and Hein.
Phillips, Harold F.
Wilkinson, James W.

Hastings, Orville L., and F. H. Vaughn, Long Beach, Calif. Physiotherapy traction table. 2,593,675, Apr. 22.

Hastings, Paul E.: *See*—
Wilcock, Robert C., and Hastings.

Hastings, Randall: *See*—
Daniel, John H., Jr., Wilson, Hastings, and Landes.

Hastings, Ward E., assignor to The Chattanooga Medicine Co., Chattanooga, Tenn. Mechanical counting device. 2,586,161, Feb. 19.

Hastings, Warren W., and R. A. Tollefsen, Brighton, assignors to Rochester Manufacturing Company, Rochester, N. Y. Liquid level gauge. 2,584,446, Feb. 5.

Hastings, Warren W., Brighton, and R. A. Hunt, Greece, assignors to Rochester Manufacturing Company, Rochester, N. Y. Tire pressure gauge. 2,585,123, Feb. 12.

Haston, John L., Jacksonville Beach, Fla., assignor to J. H. MacKinnon, New York, N. Y., and A. Davis, Jacksonville, Fla. Pipe driver. 2,599,989, June 10.

Hasty, B. E., assignee: *See*—
Croft, Dennis M., Jr., and Barefield.

Haswell, Henry L., Brevard, assignor, by mesne assignments to Ecusta Paper Corporation, Pisgah Forest, N. C. Winding machine. 2,582,429, Jan. 15.

Haswell, Walter T., Jr., United States Navy. Apparatus for measuring rapid cooling rates. 2,585,934, Feb. 19.

Hat Corporation of America, assignee: *See*—
Hoffman, Stanley G.
Rickus, George M., and Hoffman.

Hatay, Charles G., Georgetown, Mass., assignor to E-Z Mills, Inc., New York, N. Y. Apparatus for treating textile fabrics. 2,581,018, Jan. 1.

Hatch, Arthur J., assignor to The Strong Electric Corporation, Toledo, Ohio. Arc lamp. 2,622,224, Dec. 16.

Hatch, George B., Allison Park, assignor, by mesne assignments, to Calgon, Incorporated, Pittsburgh, Pa. Glassy molecularly dehydrated phosphates. 2,601,395, June 24.

Hatch, James F., Hutton, Brentwood, and J. W. Brittain, Great Baddow, assignors to Marconi's Wireless Telegraph Company Limited, London, England. Radio aerial installation. 2,601,610, June 24.

Hatch, Walter L., Aumsville, Oreg. Hacksaw lift. 2,623,270, Dec. 30.

Hatcnard, William R., and J. W. Hill, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Prouucing polyvinyl alcohol filaments of improved properties. 2,610,359, Sept. 16.

Hatcher, David B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of organosilicon compounds. 2,618,647, Nov. 18.

Hatcher, David B., and R. H. Bunnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cross-linked silanes. 2,612,510, Sept. 30.

Hatcher, David B., and R. H. Bunnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of organosilanes. 2,618,646, Nov. 18.

Hatcher, Ernest C., Northwood, assignor to J. Stone & Company Limited, Deptford, England. Thrust bearing. 2,602,713, July 8.

Hatcher, Merrel E., Richland, Wash. Tooth paste dispenser having brush operated slidable closure. 2,622,768, Dec. 23.

Hatebur, Fritz B., Basel, Switzerland. Mechanism for grinding machines. 2,599,990, June 10.

Hatfield, Cleburne B., Cookeville, Tenn. Fluid pump or motor. 2,584,582, Feb. 5.

Hatfield, Cleburne B., Cookeville, assignor of eighteen per cent to M. L. Poyner, Paris, Tenn., and seven per cent to R. N. Matson, Silver Spring, Md. Hydraulic power drive. 2,621,602, Dec. 16.

Hatfield, Jesse M., Cabin Creek, W. Va., assignor to The Pure Oil Company, Chicago, Ill. Packaging of oil-soluble dyes in oil-soluble capsules. 2,618,384, Nov. 18.

Hatfield, Marcus R., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Heavy duty gas depolarized dry battery. 2,615,931, Oct. 28.

Hatfield, Milton W.: *See*—
McCreery, Cecil W., and Hatfield.

Hatfield, Robert L.: *See*—
Nash, Daniel J., and Hatfield.

Hathaway, Albert M., Minneapolis, Minn. Making electrical wiring. 2,599,710, June 10.

Hathaway, Claude M., Littleton, Colo. Ratio type galvanometer. 2,605,303, July 29.

Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Boston, Mass. Machine for trimming the tuft yarns of tube frames. 2,620,545, Dec. 9.

Hathaway, Jarrett L., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Reverberation control of gain. 2,583,531, Jan. 29.

Hathaway, Jarrett L., Manhasset, and J. G. Petit, Port Jefferson, N. Y., assignors to Radio Corporation of America. Synthetic reverberation system. 2,600,870, June 17.

Hathaway, Oria N., Coral Gables, assignor to American Airmotive Corporation, Miami, Fla. Adjustable seat and back rest chair construction. 2,611,421, Sept. 23.

Hathaway, Stanley, Greenville, N. C. Tobacco arranging machine. 2,618,373, Nov. 18.

Hathaway, William R., West Haven, assignor to United Advertising Corporation, New Haven, Conn. Lighting fixture for elongated tubular lamps. 2,619,584, Nov. 25.

Hattan, Mark, Los Angeles County, Calif. Automatic parachute ground release. 2,582,990, Jan. 22.

Hattenbach, Maurice E., Chicago, Ill. Novelty container. 2,592,692, Apr. 15.

Hatton, William, South Orange, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Calculator. 2,588,923, Mar. 11.

Hatton, William, South Orange, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electrical calculating apparatus. 2,611,538, Sept. 23.

Hatton, William, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telephone station ringing equipment. 2,619,551, Nov. 25.

Hauber, Carl, Elmhurst, and R. J. Koupal, assignors to Infilco Incorporated, Chicago, Ill. Swimming pool. 2,617,764, Nov. 11.

Hauber, Erwin J., U. S. Navy. Clutch mechanism. 2,604,788, July 29.

Haubert, Eugene F., Detroit, Mich. Distributor. 2,619,556, Nov. 25.

Hauch, Walter E., Forest Park, assignor to Swift & Company, Chicago, Ill. Preparing a comminuted meat product. 2,600,765, June 17.

Hauck, Aloysius J., assignor to Hevi Duty Electric Company, Milwaukee, Wis. High-speed brightness switching for static type constant current regulators. 2,602,150, July 1.

Hauck, John N., Red Hill, assignor to Columbia Boiler Company, Pottstown, Pa. Combustion chamber for domestic oil burners and the like. 2,610,594, Sept. 16.

Hauck Manufacturing Co., assignee: *See*—
Parker, Melvin J., and Turpin.

Hauck Manufacturing Company, assignee: *See*—
Turpin, Alexander J.
Hauck, Paul A.: *See*—
Holmwood, Richard H., and Hauck.
Hauck, Vernon D., Towson, W. L. W. Ogden, Baltimore, and J. R. Cosby, Towson, assignors to Bendix Aviation Corporation, Baltimore, Md. Atmospheric sounding apparatus. 2,604,582, July 22.
Hauer, Leon C., assignor to M. E. Cunningham Company, Pittsburgh, Pa. Stamping die holder. 2,601,824, July 1.
Hauert, Henry, Guttenberg, assignor to Fortuna Brothers, North Bergen, N. J. Adjustable shoe tree. 2,581,952, Jan. 8.
Haug, Edward, assignor to H. P. Snyder Manufacturing Company, Inc., Little Falls, N. Y. Bicycle kick stand. 2,595,193, Apr. 29.
Haug, John S., assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Method of and apparatus for manufacture of carbureted water gas. 2,595,252, May 6.
Haug, John S., Philadelphia, and P. W. Janeway, Jr., Media, assignors to United Engineers & Constructors Inc., Philadelphia, Pa. Apparatus and method for handling of liquefied normally gaseous materials. 2,609,282. Sept. 2.
Haug, Richard J., Nashua, N. H. Bobbin stripper. 2,604,686, July 29.
Haugdahl, Inc., assignee: *See*—
Haugdahl, Sigurd.
Haugdahl, Sigurd, Jacksonville, assignor, by mesne assignments, to Haugdahl, Inc., Daytona Beach, Fla. Pumping mechanism. 2,618,224, Nov. 18.
Haugen, Edmond H., Birmingham, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Heating apparatus. 2,616,402, Nov. 4.
Haugen, Glenn L., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Sweep amplitude control for magnetically deflected cathode-ray tubes. 2,602,902, July 8.
Haugen, Louis M., Chicago, Ill., assignor to Paul L. Karstrom Co. Volumetric packaging machine. 2,616,591, Nov. 4.
Haugen, Louis M., Chicago, Ill., assignor to Paul L. Karstrom Co. Bag opener for packaging machines. 2,616,603, Nov. 4.
Haughey, Clifton F., Battle Creek, and R. T. Erickson, Climax, Mich., assignors to General Foods Corporation, New York, N. Y. Puffing cereal grains. 2,622,985, Dec. 23.
Haughton Elevator Company, assignee: *See*—
Borden, Joseph H.
Cornish, John H.
Hohnecker, Otto.
Nikazy, Walter A.
Panter, Carl.
Haugland, Olaf J., Chicago, Ill. Cake slicer. 2,600,646, June 17.
Hauk, Joseph, Waukesha, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Device for filing the slots of laminated cores. 2,622,309, Dec. 23.
Haulenbeek, Whyatt H., and W. F. Sanford, Lakewood, Ohio. Air treatment device. 2,611,679, Sept. 23.
Haumann, George, Portland, Oreg., assignor to The Coe Manufacturing Company, Painesville, Ohio. Veneer clipper. 2,583,051, Jan. 22.
Haumann, Joseph, assignor to H. Hildebrandt, Chicago, Ill. Christmas tree holder. 2,615,660, Oct. 28.
Haumerson, Clifford C., Janesville, Wis. Pivot and latch structure for table legs. 2,621,095, Dec. 9.
Haun, Arnold H., Williamsport, Ind., assignor to Radio Corporation of America. On-off indicator for radio apparatus. 2,590,314, Mar. 25.
Haun, Joye C., deceased, San Francisco, Calif., by F. P. Mills, executrix, assignor to F. P. Mills, Wallowa, Oreg. Plug valve. 2,586,650, Feb. 19.
Haupt, Ferdinand R., St. Paul, Minn. Adjustable handle for toothbrushes. 2,609,251, Sept. 2.
Haupt, Herbert P., Mount Healthy, assignor to Littleford Bros., Inc., Cincinnati, Ohio. Roller transporting means. 2,608,143, Aug. 26.
Hauser, Arthur A., Garden City, N. Y., assignor to The Sperry Corporation. Bar linkage computer. 2,621,855, Dec. 16.
Hauser, Fred, West Los Angeles, Calif. Automatic sprinkler control. 2,619,105, Nov. 25.
Hauser, Hugh, Detroit, Mich. Toggle-operated fly-tying vise. 2,599,174, June 3.
Hauser, Joseph E., Akron, assignor to The Scrugo Rubber Company, Cuyahoga Falls, Ohio. Finger magnet device. 2,600,647, June 17.
Hauser, Max, Zurich, and E. Wagner, Kusnacht by Zurich, Switzerland, said Hauser assignor to said Wagner. Apparatus for moistening printing plates in printing machines. 2,622,520, Dec. 23.
Hausler, George M., Schenectady, N. Y., assignor to General Electric Company. Snap action switch. 2,582,034, Jan. 8.
Hausner, Joseph M., Jr., Berwyn, Ill., Portable folding baby crib. 2,589,805, Mar. 18.
Hausmann, George J., Merchantville, N. J., B. S. Johnson, Havertown, and C. W. McDermott assignors to Franklin Research Company, Philadelphia, Pa. Composition and process for coloring citrus fruit. 2,582,868, Jan. 15.
Haussler, Elsie K., administratrix: *See*—
Haussler, Ernest E.
Haussler, Ernest E., deceased, Clifton, N. J.; E. K. Haussler, administratrix of said E. E. Haussler. Cable holder with guide slots. 2,608,891, Sept. 2.
Hautala, John W., Canton, Ohio. Portable electric light with battery charging bracket. 2,582,330, Jan. 15.
Hautau, Charles F., Huntington Woods, assignor to Hautau Stamping Company, Detroit, Mich. Sprinkler. 2,583,175, Jan. 22.
Hautau, Charles F., Huntington Woods, assignor to Hautau Stamping Company, Detroit, Mich. Sprinkler. 2,583,176, Jan. 22.
Hautau Stamping Company, assignee: *See*—
Hautau, Charles F.
Havasi, Emil A., Cuba, N. Y., assignor to Acme Electric Corporation. Thermal cutout switch. 2,593,301, Apr. 15.
Havel, Frank J., La Grange Park, Ill., assignor, by mesne assignments, to International Furniture Company. Chair with removable armrest. 2,604,147, July 22.
Havely, William J., Los Angeles, assignor to Mekana Strip Company, Inc., Arcadia, Calif. Magazine cover-removing machines. 2,584,346, Feb. 5.
Havemann, Robert A., and D. S. Bruce, Troy, Ohio, and C. B. MacRae, New York, N. Y., assignors to The Gummed Products Company, Troy, Ohio. Gummed tape serving and moistening mechanism. 2,614,523, Oct. 21.
Haven, Charles D., Clear Lake, Ind., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glazing unit. 2,597,097, May 20.
Haven, David S., Richmond Heights, assignor to Meier & Pohlmann Furniture Company, St. Louis, Mo. Leg assembly for furniture. 2,603,545, July 15.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Screw driving machine. 2,605,792, Aug. 5.
Havenhill, Robert S., Beaver, and L. E. Carlson, Monaca, Pa., assignors to St. Joseph Lead Company, New York, N. Y. Electric field strength measurement. 2,587,156, Feb. 26.
Havens, Byron L., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Mechanical attachment for azimuth offset bombing. 2,597,989, May 29.
Havens, Carl B., Hope, assignor to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride-vinyl chloride copolymers. 2,604,458, July 22.
Havens, Carl B., Hope, assignor to The Dow Chemical Company, Midland, Mich. Plastic compositions comprising biphenylyl esters of aliphatic acids. 2,612,489, Sept. 30.
Havens, Glenn G., assignor to Narmco, Inc., San Diego, Calif. Machine for forming structural material. 2,606,133, Aug. 5.
Havens, Keith C., Robbinsdale, Minn. Kit. 2,583,532, Jan. 29.
Havens, Richard A., B. E. Orr, P. R. Pitts, Jr., and R. W. Cunningham, Indianapolis, Ind., said Orr, said Pitts, Jr., and said Cunningham assignors to said Havens. Treating tomato juice. 2,598,374, May 27.
Haver, Gabriel D., National City, Calif. Adjustable locking device. 2,623,378, Dec. 30.
Haverkamp, Kenneth R., Seneca, Kans. Power take-off control. 2,621,536, Dec. 16.
Haverkate, Gerrit H., Almelo, Netherlands. Pressing or ironing machine. 2,589,939, Mar. 18.
Haverstock, Julius J.: *See*—
Reiter, Alexander L., and Haverstock.
Havlick, Howard T., Erieside, assignor to Willard Storage Battery Company, Cleveland, Ohio. Trickle charger. 2,611,118, Sept. 16.
Haw, John O., Chester, and H. J. Kimbrough, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Monofilament screen pack. 2,619,188, Nov. 25.
Hawaiian Pineapple Company, Limited, assignee: *See*—
Burgess, George W.
Hawes, Albert H., Erdington, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Adjustable fitting. 2,584,015, Jan. 29.
Hawes, Albert H., Erdington, Birmingham, assignor to Kwikform Limited, Small Heath, Birmingham, England. Apparatus for coating surfaces with plastic and other semiliquid compositions. 2,596,074, May 6.
Hawes, Albert H., Erdington, Birmingham, assignor to Kwikform Limited, Birmingham, England. Shuttering for use in molding arched concrete roof structures. 2,616,148, Nov. 4.
Hawes, Charles F.: *See*—
Brown, David S., Hawes, and Stork.
Hawes, Douglas O.: *See*—
Lovell-Foot, John B., and Hawes.
Hawes, Roland C.: *See*—
Cary, Henry H., Hawes, and George.
Cary, Henry H., Hawes, Stickney, and George.
Hawk, George T.: *See*—
Jasper, Cronje, and Hawk.
Hawkes, Harry D.: *See*—
Shotter, George F., and Hawkes.
Hawkes, John A.: *See*—
Allen, James J., and Hawkes.

Hawkes, Lawrence H., assignor of forty per cent to J. W. Nitz, Cannelton, W. Va. Hanger for supporting electric trolley wires. 2,620,408, Dec. 2.
Hawkes, Thomas B., Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Bar gripper means for stretching presses. 2,596,772, May 13.
Hawkins, Amos E., Haysi, Va. Adjustable pitch propeller for aircraft. 2,613,752, Oct. 14.
Hawkins, Dawson M., assignee: *See*—
Roark, Leon S.
Hawkins, Earl C., Buffalo, N. Y. Device for making packing rings. 2,580,772, Jan. 1.
Hawkins, Edwin G. E., Lower Kingswood, Tadworth, and F. E. Salt, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Tertiary alcohols. 2,590,176, Mar. 25.
Hawkins Electro-Lift Co., assignee: *See*—
Hawkins, Guy J.
Hawkins, Frederick E., Niles, R. Lapsley, Berrien Springs, and G. L. Turner, assignors to Clark Equipment Company, Buchanan, Mich. Motor-in-wheel drive. 2,608,598, Aug. 26.
Hawkins, General A., Dallas, Tex. Sectional cane or walking stick. 2,593,026, Apr. 15.
Hawkins, George L., Richmond, Mo. Hand vise. 2,595,579, May 6.
Hawkins, Guy J., assignor to Hawkins Electro-Lift Co., Milwaukee, Wis. Prone body hoist. 2,603,851, July 22.
Hawkins, Harry, Saginaw, assignor to General Motors Corporation, Detroit, Mich. Ball nut. 2,581,482, Jan. 8.
Hawkins, Henry L., Sr., Rustburg, Va. Bath sponge holder. 2,590,614, Mar. 25.
Hawkins, James E., assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla. System for analyzing seismographic records. 2,604,955, July 29.
Hawkins, James E., assignor to Seismograph Service Corporation, Tusa, Okla. Seismic signal amplifying system. 2,611,024, Sept. 16.
Hawkins, James E., and R. S. Finn, assignors to Seismograph Service Corporation, Tulsa, Okla. Cap connecting box. 2,583,839, Jan. 29.
Hawkins, James E., and R. W. Baltosser, assignors to Seismograph Service Corporation, Tulsa, Okla. Position plotter for hyperbolic radio survey system. 2,587,467, Feb. 26.
Hawkins, Jesse C., Legerwood, N. C. Hydraulically operated lift for tractors. 2,590,011, Mar. 18.
Hawkins, Joe N., Tyler, Tex. Hand tool for applying and removing fan belts. 2,621,529, Dec. 16.
Hawkins, John J.: *See*—
Dermer, Otis C., and Hawkins.
Hawkins, Kenneth C., Arcadia, Calif. Fishing tool. 2,613,980, Oct. 14.
Hawkins, Leonard L., Greenville, S. C. Weft yarn ensnaring apparatus for automatic looms. 2,593,302, Apr. 15.
Hawkins, Maybelle A., Highland Park, Ill. Diaper. 2,610,629, Sept. 16.
Hawkins, Melvin P., Wilson, N. C. Tooth paste dispenser, including a compressing roller and a pivoted valve element. 2,596,683, May 13.
Hawkins, Robert E., and G. E. Spaulding, Tipton, Ind., said Hawkins assignor to said Spaulding. Draft coupling. 2,583,840, Jan. 29.
Hawkins, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of 1,2, di-primary amines. 2,587,043, Feb. 26.
Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire retreading mold. 2,591,430, Apr. 1.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Producing a skid-resistant tread for pneumatic tires. 2,591,934, Apr. 8.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire treading mold. 2,598,791, June 3.
Hawkinson, Paul E., assignor to P. E. Hawkinson Company, Minneapolis, Minn. Making coiled wire for use in antiskid pneumatic tire treads. 2,600,534, June 17.
Hawkinson, Paul E., assignor to P. E. Hawkinson Company, Minneapolis, Minn. Producing skid-resistant treads for pneumatic tires. 2,605,199, July 29.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire retreading mold. 2,607,079, Aug. 19.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire treading mold. 2,610,357, Sept. 16.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Machine for buffing tires. 2,610,446, Sept. 16.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire repair plug. 2,612,930, Oct. 7.
Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Earle W.
Hawkinson, Paul E.
Hawks, Clarence L., Fruita, Colo. Newspaper vending machine. 2,612,426, Sept. 30.
Hawks, Douglass, Jr., and E. Van Haaften, assignors to Hamilton Watch Company, Lancaster, Pa. Measuring machine attachment. 2,610,408, Sept. 16.
Hawla, Charles, St. Cloud, Minn. Sectional awning. 2,594,922, Apr. 29.
Hawley Brake Corporation, assignee: *See*—
Hawley, Jesse G.
Hawley, Charles F., Holden, assignor to Riley Stoker Corporation, Worcester, Mass. Temperature regulation of air heaters. 2,582,830, Jan. 15.
Hawley, Jesse G., Painted Post, assignor to Hawley Brake Corporation, Bath, N. Y. Brake. 2,612,969, Oct. 7.
Hawley, Jesse G., Painted Post, assignor to Hawley Brake Corporation, Corning, N. Y. Single-disk spot-type brake with one point adjustment. 2,614,662, Oct. 21.
Hawley, John B., Sharon Center, Ohio, assignor to Akron Spool & Manufacturing Co. Spool with removable head. 2,613,049, Oct. 7.
Hawley Products Company, assignee: *See*—
Johnson, Arthur H.
Lenz, Frank B.
Hawley, Roger S., Linden, N. J., assignor to Standard Oil Development Company, Fungicidal compositions containing chlorinated isophorone. 2,583,425, Jan. 22.
Hawley, Thomas G., Jr.: *See*—
Dvorkovitz, Vladimir, and Hawley.
Hawley, Thomas G., Jr., Englewood, and E. F. Landau, South Orange, N. J., assignors to United Merchants and Manufacturers, Inc., New York, N. Y. Cushion. 2,616,486, Nov. 4.
Hawley, William E., Jr., Rochester, N. Y. Play pen. 2,590,315, Mar. 25.
Haworth, Leland J.: *See*—
Reed, William O., and Haworth.
Haworth, Leland J., Champaign, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cathode-ray tube circuit. 2,588,114, Mar. 4.
Haworth, Leland J., Belmont, and E. M. Purcell, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar system having spiral and conical scanning antenna and tridimensional indicator. 2,606,318, Aug. 5.
Haworth, Lionel, assignor to Rolls-Royce Limited, Derby, England. Gas turbine engine driving a propeller. 2,619,797, Dec. 2.
Haworth Lionel, Derby, and C. L. Johnson, Allestree, assignors to Rolls-Royce Limited, Derby, England. Pitch control and feathering mechanism for variable pitch propellers. 2,611,440, Sept. 23.
Hawthorne, Herbert J., Houston, Tex. Detachable blade bit. 2,615,684, Oct. 28.
Hawthorne, Louis A.: *See*—
Honnig, Roland W., and Hawthorne.
Hawthorne, Ollie P., Pampa, Tex. Tackle holder for fishermen. 2,580,912, Jan. 1.
Hawthorne, Ollie P., Pampa, Tex. Tackle holder for fishermen. 2,580,913, Jan. 1.
Hawthorne, William R., Silver Spring, Md., assignor to Power Jets (Research and Development) Ltd., London, England. Aircraft propulsion power plant. 2,589,078, Mar. 11.
Hawthorne, William R., Silver Spring, Md., assignor to Power Jets (Research and Development) Limited, London, England. Turbine and compressor blading in axial flow internal-combustion turbine power plants. 2,613,909, Oct. 14.
Hawtin, Philip R., Spondon, near Derby, England, assignor to British Celanese Limited. Forming hollow cellulose ester articles. 2,597,098, May 20.
Hawver, Roy, Birmingham, and R. F. Velten, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Convertible top. 2,617,681, Nov. 11.
Hawxhurst, Bernard S., Zanesville, Ohio. Device for receiving and extinguishing lighted cigarettes. 2,613,677, Oct. 14.
Hawy, Ferris A., Columbus, Ohio. Key head for stringed musical instruments. 2,615,360, Oct. 28.
Hay, Colin B., San Jose, assignor of one-half to T. B. Keesling, Los Gatos, Calif. Coat-tree for passenger vehicles. 2,589,611, Mar. 18.
Hay, Daniel C., Santa Monica, Calif. Panic bolt latch and door construction. 2,616,132, Nov. 4.
Hay, John M., and R. F. McIver, assignors to Scottish Seaweed Research Association, Edinburgh, Scotland. Apparatus for harvesting underwater seaweed. 2,610,458, Sept. 16.
Hay, John O.: *See*—
Harshaw, William J., and Hay.
Hay, Paul R., Pittsburgh, Pa. Valve. 2,599,828, June 10.
Hay, Randall G., Jenkintown, and H. F. Van Wye, Philadelphia, Pa. Apparatus for gauging and grading leather. 2,623,291, Dec. 30.
Hay, Randall G., Jenkintown, and H. F. Van Wye, Philadelphia, Pa. Apparatus for gauging and grading leather. 2,623,292, Dec. 30.
Hay, Vernon H., and W. J. Armfield, Concord, N. C. Ignition switch controlled safety device. 2,618,693, Nov. 18.
Hay, Warren H.: *See*—
Beardsell, Wallace A., and Hay.

Hay, Wayne W., Madison, Wis., assignor to Air Reduction Company, Incorporated, New York, N. Y. Combined needle and flush valve assembly. 2,605,077, July 29.

Hayden, Alfred J., Port Orange, Fla. Unitary self-adjusting handle. 2,610,885, Sept. 16.

Hayden, Boyd, Newton, Mass. Weed guard for fishhooks. 2,586,162, Feb. 19.

Hayden, Boyd, Newton, Mass. Demountable weed guard for fishhooks. 2,615,277, Oct. 28.

Hayden, Elleanor A., San Mateo, Calif. Bobby pin spreader. 2,606,563, Aug. 12.

Hayden, Ernest A.: *See*—
Stone, Albert F., Hayden, and Parker.

Hayden, George D., Newport, Mich. Adjustable bore gauge. 2,590,698, Mar. 25.

Hayden, Joseph T., Philadelphia, Pa. Button fastener. 2,586,819, Feb. 26.

Hayden, Perry C.: *See*—
Eskin, Samuel G., and Hayden.

Haydon, Edward K., Greenford, England, assignor to The Hoover Company, North Canton, Ohio. Electric switch. 2,623,960, Dec. 30.

Haydu, Bartley A., Detroit, Mich. Adherent dish. 2,623,369, Dec. 30.

Haydu, Bartley A., Detroit, Mich. Dispenser for horizontally stacked cylindrical articles. 2,623,800, Dec. 30.

Hayek, Arthur F., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Automatic plotting board and projecting means. 2,584,267, Feb. 5.

Hayek, Arthur F., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Intermittent movement. 2,589,940, Mar. 18.

Hayek, Arthur F., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Transmission mechanism. 2,622,455, Dec. 23.

Hayes, Carl L., assignee: *See*—
Gilbert, Wesley R.

Hayes, Charles T., assignor to Dynamatic Corporation, Kenosha, Wis. Shaft seal. 2,610,872, Sept. 16.

Hayes, Charles W., Johnson County, Kans., and V. G. Martin, Independence, assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Gas and liquid separating apparatus. 2,619,187, Nov. 25.

Hayes, Frank, assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Controlled flow beater. 2,610,553, Sept. 16.

Hayes, Frank, assignor to Noble & Wood Machine Co., Hoosick Falls, N. Y. Beater roll. 2,612,083, Sept. 30.

Hayes, Frank A., Middletown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrically controlled stop-motion system. 2,612,127, Sept. 30.

Hayes, George, Moortown, Leeds, assignor to G. H. Patents Limited, Leeds, and The Equipment and Engineering Co., Limited, London, England. Driving gear for route or destination indicators. 2,608,882, Sept. 2.

Hayes, George A., East Greenwich, and E. Schmidt, Providence, assignors to Riverpoint Lace Works, Inc., West Warwick, R. I. Setting nylon. 2,615,116, Oct. 21.

Hayes, George W., and O. Sloan, Wayne, Mich., assignors to Hayes Sloan Products Company. Automatic coin-controlled ball cleaning and polishing apparatus. 2,619,662, Dec. 2.

Hayes, George W., and O. Sloan, Wayne County, Mich., assignors to Hayes Sloan Products Company. Ball processing brush. 2,619,666, Dec. 2.

Hayes, Helen F., assignee: *See*—
Young, Henry E., and Farnham.

Hayes, James H., New York, N. Y. Fishing reel. 2,604,273, July 22.

Hayes, John J., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Polymers of nuclear chlorinated alpha-methyl styrene. 2,618,628, Nov. 18.

Hayes, Kenyon J., assignor to Eaton Laboratories, Inc., Norwich, N. Y. Series of nitrofuran compounds comprising the azomethines of 5-nitro-2-acyl furans with 1-amino-hydantoins. 2,610,181, Sept. 9.

Hayes, Martin E: *See*—
Wright, Robert L., and Hayes.

Hayes, Ralph W., Morrisville, Vt. Food supplement for animals and poultry. 2,608,483, Aug. 26.

Hayes, Richard D.: *See*—
Hoeppner, Arthur D., and Hayes.

Hayes, Robert A.: *See*—
Peterson, Albert C., Hayes, and Lukins.

Hayes, Robert A., Franklin Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,583,735, Jan. 29.

Hayes, Robert R., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Co. Electric motor frame having coolant system incorporated therein. 2,611,798, Sept. 23.

Hayes Sloan Products Company, assignee: *See*—
Hayes, George W., and Sloan.
Sloan, Otto, and Klarich.

Hayes, Stanley A., Pasadena, Calif. Eductor device. 2,592,896, Apr. 15.

Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Bumping post. 2,596,240, May 13.

Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Mower. 2,604,748, July 29.

Hayes, Thomas E., Washington, D. C. Paper money counting machine. 2,606,023, Aug. 5.

Hayes, Thomas E., Washington, D. C. Money counting machine. 2,612,318, Sept. 30.

Hayes Track Appliance Company, assignee: *See*—
Hayes, Stanley W.

Hayhurst, Ralph H., Auckland, New Zealand. Cutting doweling and like articles. 2,597,099, May 20.

Hayman, George C., Boulder, assignor of one-fourth to W. D. Friedman, one-fourth to L. H. Weiss, and one-fourth to D. A. Lifshutz, Denver, Colo. Weather strip. 2,615,214, Oct. 28.

Hayman, Noah O. A.: *See*—
Spence, Murrell R., and Hayman.

Hayman, Richard L., North Hollywood, D. W. Driskel, Sherman Oaks, and D. C. Hill, La Canada, assignors to Haskel Engineering & Supply Co., Glendale, Calif. Mechanism for steering nose wheels of aircraft. 2,622,827, Dec. 23.

Hayms, Raymond F., assignor of one-half to J. T. Pieper, Cincinnati, Ohio. Etching apparatus. 2,592,693, Apr. 15.

Haynes, Alex L., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Variable capacity rotary fluid motor. 2,598,538, May 27.

Haynes, Charles L., Flintridge, assignor to C. F. Braun & Co., Alhambra, Calif. Bubble cap. 2,602,652, July 8.

Haynes, Charles L., Flintridge, and H. W. Breer, Burbank, assignors to C. F. Braun & Co., Alhambra, Calif. Bubble cap and holddown device. 2,612,360, Sept. 30.

Haynes, Fred, St. Maries, Idaho. Guiding support for reciprocating saws. 2,606,579, Aug. 12.

Haynes, George P.: *See*—
Letvin, Samuel, and Haynes.

Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Image recording apparatus. 2,613,264, Oct. 7.

Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Capacitor manufacturing evaporation apparatus. 2,614,524, Oct. 21.

Haynes, James B.: *See*—
Horton, Joseph W., Haynes, Gillett, and Stephenson.

Haynes, James D., Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich. Well-treatment apparatus. 2,599,386, June 3.

Haynes, James L., Glen Ellyn, Ill. Railroad car truck. 2,587,315, Feb. 26.

Haynes, James R., Chatham, and W. Shockley, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device with controlled carrier transit times. 2,600,500, June 17.

Haynes, Nathan M., New York, N. Y. Automatic operation system for recorders. 2,602,913, July 8.

Haynes, Russell J., assignee: *See*—
Rigstad, William W.

Haynes, Warren T., Longview, Wash. Motor vehicle road map support. 2,583,647, Jan. 29.

Hayot, Louis A., Paris, France. Variable-speed chain driving device. 2,584,447, Feb. 5.

Hays, Clifton E., Providence, R. I., assignor, by mesne assignments, to General Electric Company. Candle-simulating fluorescent lighting fixture. 2,598,054, May 27.

Hays Corporation, The, assignee: *See*—
Bailey, George B.

Hays, John T., assignor to Hercules Powder Company, Wilmington, Del. Preparation of vinyl pyridines. 2,611,769, Sept. 23.

Hays, Leonard A., Jr.: *See*—
Wanderer, Kenneth H., Hays, and Selund.

Hays, Leonard A., Jr., Hammond, and R. B. Selund, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Propane-clay treating. 2,586,947, Feb. 26.

Hays Manufacturing Company, assignee: *See*—
Bradbury, James G.
Miller, Wesley G.

Hays, Raymond E., Philadelphia, Pa. Control valve. 2,601,280, June 24.

Hays, Robert F., Jr.: *See*—
Kellogg, Spencer R., II, Hayes, and Barkalow.

Hays, Robert F., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Stable reference apparatus. 2,591,697, Apr. 8.

Hayslett, Lamar E., Shelbyville, Tenn., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ reed construction. 2,594,306, Apr. 29.

Haythornthwaite, James J.: *See*—
Arundale, John B., and Haythornthwaite.

Haythornthwaite, James J., Accrington, assignor to T. M. M. (Research) Limited, Rossendale, England. Doffing mechanism for ring spinning, doubling, and twisting machines. 2,582,696, Jan. 15.

Haythornthwaite, James J., assignor of one-half to Howard and Bullough Limited, Accrington, England. Ring spinning, doubling, and twisting machine. 2,615,297, Oct. 28.

Hayward, Arthur S.: *See*—
Scott, Richard H., and Hayward.

Hayward, Carle R., Quincy, Mass., assignor to Bethlehem Steel Company. Treatment of iron ore containing impurities, including nickel and chromium. 2,584,700, Feb. 5.

Hayward, Cyril: *See*—
Kinman, Thomas H., Hibberd, and Hayward.

Hayward, John T., Tulsa, Okla. Apparatus for measuring rotary well strings and well depths. 2,583,841, Jan. 29.

Hayward, John T., Tulsa, Okla. Submergible drilling barge. 2,612,759, Oct. 7.

Hayward Tyler & Co. Limited, assignee: *See*—
Ivanoff, Alexander.
Ivanoff, Victor.

Haywood, Frederick W., and D. S. Laidler, assignors of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England. Catalytic treatment of industrial gases. 2,591,543, Apr. 1.

Hayworth, Curtis B., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Determination of moisture in gases. 2,594,163, Apr. 22.

Hazard, Allyn E., Albuquerque, N. Mex. Hydrofoil boat. 2,584,347, Feb. 5.

Hazard, Charles S., New York, N. Y., assignor to Neptune Meter Company. Apparatus for selective operation of registers in liquid dispensing mechanisms. 2,612,288, Sept. 30.

Hazard, Jarvis M., Bellerose, assignor to Dictograph Products Company, Inc., New York, N. Y. Audiphone. 2,611,820, Sept. 23.

Hazel-Atlas Glass Company, assignee: *See*—
Bromley, Raymond V.

Hazeltine, Alan, Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase modulator. 2,590,969, Apr. 1.

Hazeltine, Leland S., and L. A. Stanfield, Los Angeles, Calif. Gas analysis apparatus. 2,585,314, Feb. 12.

Hazeltine Research, Inc., assignee: *See*—
Bailey, William F.
Brittain, Francis H., Ransley, and Ryde.
Hirsch, Charles J.
James, Emrys G., and Lindell.
Jones, Douglas E., and Ryde.
Loughlin, Bernard D.
Lowman, Roderic V.
Rado, John A.
Richman, Donald.
Wheeler, Harold A.
Yates, John T., and Vaughan-Jones.

Hazelton, Charles M., Seattle, Wash. Grate bar. 2,608,958, Sept. 2.

Hazen, Comer D.: *See*—
Toner, Graydon B., and Hazen.

Hazen, Ronald M., and C. J. McDowall, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Charge forming device. 2,580,384, Jan. 1.

Head, Alec, Dudley, Worcester, assignor to G. W. B. Electric Furnaces Limited, Dudley, England. Electrode boiler. 2,605,381, July 29.

Head, James D.: *See*—
Britton, Edgar C., and Head.

Head, James D., and F. J. Lowes, assignors to The Dow Chemical Company, Midland, Mich. Preparation of aromatic diazonium fluoborate. 2,606,183, Aug. 5.

Head, Lloyd W., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Thermostatic control of seal leg valves. 2,598,641, May 27.

Head, Ralph B., Denver, Colo. Golf cart seat. 2,610,072, Sept. 9.

Head, Sidney G., Sr., assignor to J. Stell, Los Angeles, Calif. Nipple valve construction. 2,597,483, May 20.

Head, Victor P., Lacey Park, assignor to Fischer & Porter Company, Hatboro, Pa. Meter for determining flow rate and/or viscosity of fluids. 2,598,910, June 3.

Headrick, James M.: *See*—
Gager, Frank M., and Headrick.

Healvilin, Charles R., assignor to W. L. and G. W. Speicher, Indianola, Iowa. Combination ladder. 2,589,079, Mar. 11.

Heal, Lionel C., Winnersh, Reading, England. Animal trap. 2,590,316, Mar. 25.

Heal, Ralph E., Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Ground parts of Ryania plant as insecticides. 2,590,536, Mar. 25.

Heald, Alfred M.: *See*—
Rumberger, George G., and Heald.

Heald, Earl A.: *See*—
Biggs, John A., Heald, and Moseley.

Heald, Earl T., Pasadena, Calif., assignor to Collins Radio Company, Cedar Rapids, Iowa. A/N range system simulator. 2,621,425, Dec. 16.

Heald Machine Company, The, assignee: *See*—
Kuniholm, Martin L., and Klar.
Voedisch, Alfred.

Heald, Robert F., Nutley, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Synthetic detergent milled flakes. 2,619,469, Nov. 25.

Healy, Edward J., assignee: *See*—
Healy, John A.

Healy, John A., assignor of 25 percent to J. A. Healy, Jr., and 25 percent to E. J. Healy, St. Paul, and 25 percent to Mrs. W. F. Donais, Newport, Minn., and 25 percent to J. Healy de Ruiz, Mexico City, Mexico. Self-cleaning hand rake. 2,584,348, Feb. 5.

Healy, John A., Jr., assignee: *See*—
Healy, John A.

Healy, Joseph F.: *See*—
Hubbell, Harvey, and Healy.

Healy, Joseph F., Westport, assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Laminated spring disk lock nut. 2,616,474, Nov. 4.

Healy, Judd W., Whiting, and C. W. Brackin, Crown Point, Ind., assignors to Standard Oil Company, Chicago, Ill. Multiunit catalytic cracking operations. 2,614,068, Oct. 14.

Heaman, William G., Carman, Manitoba, Canada. Rotary snowplow. 2,619,746, Dec. 2.

Heap, Roger A. B., Lyme, Conn. Telephone receiving device for two listeners. 2,620,891, Dec. 9.

Heaps, Stanley N.: *See*—
Loper, George B., and Heaps.
Simon, Randolph F., and Heaps.

Heard, Llewellyn: *See*—
Den Herder, Marvin, and Heard.

Heard, Reginald H.: *See*—
Verrinder, Ernest A., and Heard.

Heard, Reginald H., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Jigging apparatus for industrial nailing machines. 2,609,536, Sept. 9.

Hearn, Richard B., Hollis, N. Y., and H. M. Pruden, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control and supervisory system. 2,607,843, Aug. 19.

Hearne, George W., and C. G. Schwarzer, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Hydrolysis of alpha-hydrocarbon-alpha, beta-dihalocarbonylic compounds. 2,600,766, June 17.

Hearne, George W., Lafayette, and D. S. La France, Concord, assignors to Shell Development Company, Emeryville, Calif. Nitriles and preparation of the same. 2,601,659, June 24.

Hearon, William M., assignor to Crown Zellerbach Corporation, Camas, Wash. Making conidendrol. 2,612,508, Sept. 30.

Hearon, William M., Camas, Wash., and V. V. Jones, Hyattsville, Md., assignors to Crown Zellerbach Corporation, Camas, Wash. Thermal process for beta conidendrin manufacture. 2,610,970, Sept. 16.

Hearst, Maria, assignee: *See*—
Simpson, Joseph A.

Heat-X-Changer Co., Inc., The, assignee: *See*—
Boling, Cecil.

Heatbath Appliances, Inc., assignee: *See*—
Dufault, Homer D.

Heath, Almon A., assignor of one-half to W. B. Collins, Inglewood, Calif. Duplicating stencil matrix. 2,622,516, Dec. 23.

Heath, Harold F., assignor to W. J. Llewellyn Limited, Redditch, England. Machine for grinding the ends of coiled springs. 2,580,542, Jan. 1.

Heath, Maurice R., Dallas, Tex. Hydrostatic measuring and leveling apparatus. 2,587,998, Mar. 4.

Heath, Paul D.: *See*—
Vahle, Julius, Goodness, and Heath.

Heath, Paul D., Syracuse, N. Y., assignor to General Electric Company. Frequency discriminator circuit. 2,600,292, June 10.

Heath, Paul D., Syracuse, N. Y., assignor to General Electric Company. Amplitude comparison circuit. 2,611,861, Sept. 23.

Heath, Thomas D., Westport, assignor to The Dorr Company, Stamford, Conn. Reduction of iron ore to magnetite. 2,596,954, May 13.

Heath, Westcott, Jr., Union City, N. J., assignor, by mesne assignments, to S. Scrivener, Jr., trustee of the Petcar Trust. Temperature responsive detector system. 2,615,973, Oct. 28.

Heath, William C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric flash welding. 2,617,004, Nov. 4.

Heaton-Armstrong, Louis J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric wave amplifier. 2,581,410, Jan. 8.

Heavilin, Oral R., Klamath Falls, Oreg. Portable earth leveling apparatus. 2,593,880, Apr. 22.

Hebard, Glen G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Surge absorbing chamber. 2,609,001, Sept. 2.

Hebb, Malcolm H., Philadelphia, Pa., assignor to The Sharples Corporation. Centrifugal classifier for segregating finely divided particles on the basis of size and density. 2,616,563, Nov. 4.

Hebeler, Harold H., Eggertsville, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Yarn process. 2,604,667, July 29.

Hebeler, Harold H., Eggertsville, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Melt spinning process and fiber. 2,604,689, July 29.

Hebeler, Harold H., Eggertsville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Staple cutter. 2,607,418, Aug. 19.

Hebenstreit, William B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable magnetron. 2,623,198, Dec. 23.

Heberlein Patent Corporation, assignee: *See*—
Klopfer, Karl.
Weiss, Ernst, and Risch.

Hebestreit, Herold H., Mio, Mich. Jointing and molding machine. 2,599,107, June 3.

Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selecting and lockout circuit. 2,609,454, Sept. 2.

Hecht, Maynard L., Jackson Heights, N. Y. Electronic trigger circuit. 2,588,924, Mar. 11.

Hecht, Maynard L., Jackson Heights, N. Y. Electronic trigger circuit. 2,588,925, Mar. 11.

Hecht, Maynard L., Jackson Heights, and R. Sanford, Yonkers, assignors, by mesne assignments, to Insl-X Corporation, Briarcliff Manor, N. Y. Circuit for constant voltage amplifiers. 2,581,953, Jan. 8.

Hecht, Otto F.: *See*—
Fischer, Karl A., and Hecht.

Hechtl, Max, Brooklyn, N. Y. Cigarette extinguisher and ejector. 2,597,320, May 20.

Heck, Joseph E.: *See*—
Littmann, Martin F., and Heck.

Heck, William R.: *See*—
Le Bron, Roderick, and Heck.

Heckard, Clifford L., and B. Anderson, Seattle, Wash., assignors to Boeing Airplane Company. Integrating device. 2,599,055, June 3.

Heckendorf, Howard A.: *See*—
Hintz, Otto E., and Heckendorf.

Heckendorn, Alphonse: *See*—
Widmer, Willi, Schuetz, and Heckendorn.

Heckendorn, Clarence, Charlotte, N. C. Removable page and bookmark. 2,590,615, Mar. 25.

Hecker, George E.: *See*—
Camisa, George, and Hecker.

Hecking, Theodore W., Audubon, N. J., assignor to Radio Corporation of America. Coaxial socket contact. 2,615,949, Oct. 28.

Heckman, Edward A., and J. J. Kling, Allentown, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for winding strands on articles. 2,590,246, Mar. 25.

Heckman, John A., Wheeling, Ill. Carbon paper pack. 2,600,535, June 17.

Hedbäck, Tore J.: *See*—
Dalin, David, and Hedbäck.

Hedberg, Aldrich R., Cleveland, Ohio, assignor of one-half to M. E. Lorentz. Expander device. 2,594,164, Apr. 22

Hedberg, Carl W. J., and H. L. Richardson, Bound Brook, N. J., assignors to Research Corporation, New York, N. Y. Recovering suspended materials from gases from flash roasting of zinc sulfide ores. 2,602,734, July 8.

Hedding, Linnie K.: *See*—
Taylor, Herbert L., and Hedding.

Hedenkamp, Richard L., Kirkwood, Mo. Steam electric iron. 2,596,684, May 13.

Hedge, Marvin K., Portland, Oreg. Camouflaged fishing line and making the same. 2,610,539, Sept. 16.

Hedgepeth, Hiawatha J., assignee: *See*—
Rainwater, John E.

Hedges, Harry O., assignor to Hedges Motor Company, Seattle, Wash. Internal-combustion engine. 2,606,531, Aug. 12.

Hedges Motor Company, assignee: *See*—
Hedges, Harry O.

Hedglon, Mead, Syracuse, N. Y. Hand rail and shelf construction for stepladders. 2,614,744, Oct. 21.

Hediger, Walter, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Spark plug. 2,597,794, May 20.

Hedin, Einar, Chicago, Ill. Hair drier. 2,586,036, Feb. 19.

Hedinger, Ernst, Schlieren, Switzerland, assignor to Joseph Weidenhoff, Incorporated, Algona, Iowa. Spark gap device. 2,617,063, Nov. 4.

Hedland, Harry A., Evanston, Ill. Fishing lure. 2,612,716, Oct. 7.

Hedley, Nicholas B., Lewiston, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle curtain construction. 2,620,224, Dec. 2.

Hedlund, Martin R.: *See*—
Hedlund, Wilfred E. and M. R.

Hedlund, Wilfred E. and M. R., Boyceville, Wis. Barn cleaner. 2,621,776, Dec. 16.

Hedman, Gustave H.: *See*—
Gasser, Emil R., and Hedman.

Hedquist, Milton T., D. D. Mayhew, A. Van De Sampel, and A. J. Whalen, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Tractor hitched plow. 2,618,212, Nov. 18.

Hedrick, Gale H., assignor to Maremont Automotive Products, Inc., Chicago, Ill. Muffler with side branch chambers. 2,618,353, Nov. 18.

Hedrick, Gale H., assignor to Maremont Automotive Products, Inc., Chicago, Ill. Retroverted passage type muffler with expansion chambers. 2,618,354, Nov. 18.

Hedrick, Gale H., assignor to Maremont Automotive Products, Inc., Chicago, Ill. Muffler with single outlet opening elongated in a direction parallel to the axis of the inlet opening. 2,618,355, Nov. 18.

Hedstrom, Eric. I., M. C. Otto, and C. E. Gooderham, Buffalo, N. Y. Box or carton stripper machine. 2,588,384, Mar. 11.

Hedström, Sven E., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Regulator with saturable core. 2,596,685, May 13.

Heehler, Arthur C., assignor to The Pyle National Company, Chicago, Ill. Mounting structure for warning and signaling illumination apparatus. 2,585,653, Feb. 12.

Heehler, Arthur C., assignor to The Pyle National Company, Chicago, Ill. Illumination apparatus for warning and signaling purposes and control. 2,607,839, Aug. 19.

Heehler, Arthur C., and T. E. McDowell, assignors to The Pyle-National Company, Chicago, Ill. Warning and signaling light having oscillatable lamp units. 2,595,253, May 6.

Heeley, Roland: *See*—
Ashworth, Fred, and Heeley.

Heeley, Roland, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Bobbin winding machine. 2,613,038, Oct. 7.

Heenan, Robert C., Springfield, Mass. Short round device. 2,589,250. Mar. 18.

Heer, Jules: *See*—
Miescher, Karl, Heer, Billeter, and Anner.

Heeren, Martin H., and M. Camras, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Making magnetic material. 2,582,590, Jan. 15.

Hees, George: *See*—
Jacobs, Harold, and Hees.

Heeter, Meade S., Indianapolis, Ind. Child's sleeping garment. 2,611,131, Sept. 23.

Hefel, Karl, Innsbruck, Austria. Control for Diesel-electric drives. 2,588,627, Mar. 11.

Hefel, Karl, Innsbruck, Tyrol, Austria. Power transmission unit. 2,599,387, June 3.

Heffelfinger, Robert D., Lansdowne, Pa. Uniform strand tension device. 2,586,037, Feb. 19.

Heffelfinger, Robert D., Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for treating fabrics and uncurling the edges thereof. 2,613,522, Oct. 14.

Heffelfinger, Robert D., Lansdowne, and J. A. Truitt, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Uniform strand tension device. 2,586,038, Feb. 19.

Heffley, Howard H., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Glass beveling machine. 2,612,006, Sept. 30.

Heffner, Robert E., Borger, Tex., assignor to Phillips Petroleum Company. Catalyst support. 2,611,684, Sept. 23.

Heftler, Maurice B., Grosse Pointe Park, Mich. Filter. 2,601,521, June 24.

Heftler, Paul, Windsor, Ontario, Canada. Carpet sweeper wheel linkage. 2,613,380, Oct. 14.

Hefty, Melvin R.: *See*—
Nelson, Roy F., Deutser, and Hefty.

Hegan, Horace J., Coventry, assignor to Courtaulds Limited, London, England. Continuous process for the production of anhydrous Glauber's salt. 2,592,139, Apr. 8.

Hegarty, John J., Medford, Mass. Stacking truck. 2,591,544, Apr. 1.

Hegeman, Andrew S., Jr.: *See*—
Chatterton, Earl L., and Hegeman.

Hegeman, Franklyn P., Union, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding of longitudinally curved rollers. 2,597,795, May 20.

Hegg, Edward V.: *See*—
Montgomery, Duncan B., and Hegg.

Heggedal, Emil J.: *See*—
Freedman, Benjamin H., and Heggedal.

Heggedal, Emil J., Lynbrook, assignor to J. S. Cushman, New York, N. Y., and H. F. Moonert, Willoughby, Ohio. Combination display or supporting board and attaching parts. 2,586,039, Feb. 19.

Heggen, Bernt J.: *See*—
Sebastian, David, Heggen, and Hampton.

Heggie, Robert, Garden City, N. Y. Permanently flavored chewing gum base. 2,596,852, May 13.

Hegre, Ole L., Rapid City, S. Dak. Hydraulic hoist. 2,599,991, June 10.

Heibel, Frank B., St. Louis, Mo. Animal trap. 2,613,473, Oct. 14.

Heibel, Jerome D., assignor to Erie Resistor Corporation, Erie, Pa. Variable condenser. 2,595,194, Apr. 29.

Heibel, Jerome D., assignor to Erie Resistor Corporation, Erie, Pa. Electric circuit and component. 2,613,252, Oct. 7.

Heidbrink, Jay A., Minneapolis, Minn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Metabolism apparatus for measuring oxygen consumption during respiration. 2,592,694, Apr. 15.

Heide, Harold R. E., assignor to H. Hilderbrant, Chicago, Ill. Container and bottle supporting rack. 2,581,019, Jan. 1.

Heide, John D., Ramsey, and J. E. Feldman, Garfield, N. J., assignors to United States Rubber Company, New York, N. Y. Cycle time recorder. 2,612,430, Sept. 30.

Heidegger, Henry F., Glen Ridge, assignor to International Projector Corporation, Bloomfield, N. J. Geneva gearing. 2,607,236, Aug. 19.

Heidegger, Henry F., Glen Ridge, N. J., and W. Borberg, Astoria, N. Y., assignors to International Projector Corporation, Bloomfield, N. J. Sprocket fastening means. 2,614,872, Oct. 21.

Heidelman, Herbert E., assignor to Lan-O-Sheen, Inc., St. Paul, Minn. Glass cleaning composition. 2,611,747, Sept. 23.

Heideman, Robert C., Los Angeles, assignor to American Carry-Products Company, Inc., North Hollywood, Calif. Foldable baby stroller. 2,616,718, Nov. 4.

Heideman, Robert C., Los Angeles, assignor to American Carry-Products Company, Inc., North Hollywood, Calif. Convertible baby carriage. 2,616,719, Nov. 4.

Heidenblut, George K.: *See*—
Morton, Evans T., and Heidenblut.

Heidenreich, Robert D., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Surface treatment of germanium circuit elements. 2,619,414, Nov. 25.

Heidenwolf, Hermann, Neumarkt, Styria, Austria. Obstetrical apparatus. 2,597,637, May 20.

Heider, Rudolph L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Ethylene oxide process. 2,587,468, Feb. 26.

Heider, Rudolph L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Extraction of dimethylacetamide. 2,602,817, July 8.

Heider, Rudolph L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of Dialkylalkanamides. 2,603,660, July 15.

Heider, Rudolph L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Silver-silver oxide catalyst on fused beryllia. 2,606,160, Aug. 5.

Heider, Rudolph L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of dimethyl acetamide. 2,606,207, Aug. 5.

Heiderich, Gordon F., New York, N. Y., and C. Tappan, Bloomfield, N. J. Combination hand and soft bass drum beater ball. 2,586,163, Feb. 19.

Heidner, Richard C., and W. B. Burkett, Hartford, assignors to West Bend Aluminum Co., West Bend, Wis. Mounting and engine cover mounting for outboard motors. 2,585,774, Feb. 12.

Heidt, Herman: *See*—
Crandell, Frank F., and Heidt.

Heier, Henry C., Kimmswick, Mo. Variable-strength beverage dispenser. 2,592,279, Apr. 8.

Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Warning means for safety discharge. 2,580,426, Jan. 1.

Heigl, Cyrus H., South Beloit, Ill., assignor to Adams Corporation, Korn Kurls Division, Beloit, Wis. Combination sealing, perforating, and stamping machine. 2,591,935, Apr. 8.

Heigl, John J., Cranford, and J. A. Hinlicky, Irvington, N. J., assignors to Standard Oil Development Company. Process and apparatus for absorption spectrometry. 2,620,444, Dec. 2.

Heijligers, Joris D., administrator: *See*—
Clay, Pieter H.

Heikes, Norman L., San Pablo, assignor to W. K. Rosenberry, Oakland, doing business as Berkeley Scientific Company, Richmond, Calif. Mixing valve. 2,609,146, Sept. 2.

Heil Co., The, assignee: *See*—
French, Henry C.
McCabe, John B.
McCabe, John B., Strelow, and Marty.
Wieschel, John E.

Heil, Oskar, Konstanz, Germany. Power amplifier tube. 2,590,100, Mar. 25.

Heiland, Albert H., Seattle, Wash. Fishing spoon. 2,588,720, Mar. 11.

Heiland, Carl A., assignor to Heiland Research Corporation, Denver Colo. Recording system. 2,580,427, Jan. 1.

Heiland, Carl A., Denver, and M. T. Murray, Lakewood, Colo. Geophysical exploration. 2,601,522, June 24.

Heiland Research Corporation, assignee: *See*—
Heiland, Carl A.
Johnson, Charles E., Haraden, and McCammon.

Heilbron, Ian M., and B. C. L. Weedon, London, E. R. H. Jones, Manchester, B. A. Hems, Northolt, and A. B. A. Jansen, London, assignors to Glaxo Laboratories Limited, Greenford, England. Unsaturated carbinol related to vitamin A and preparing same. 2,591,811, Apr. 8.

Heilbron, Ian M., and B. C. L. Weedon, London, and E. R. H. Jones, Manchester, assignors to Glaxo Laboratories Limited, Greenford, England. 6-methylocta-3:5:7-trien-2-one. 2,606,930, Aug. 12.

Heilbron, Ian M., and B. C. L. Weedon, London, E. R. H. Jones, Manchester, B. A. Hems, Northolt, and A. B. A. Jansen, London, assignors to Glaxo Laboratories Limited, Greenford, England. Unsaturated carbinol and preparing the same. 2,608,588, Aug. 26.

Heilig, John K., York, Pa. Screen or storm window. 2,597,484, May 20.

Heilman, Bernard: *See*—
Lenart, Anthony, and Heilman.

Heilman, Bernard, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,607,516, Aug. 19.

Heilman, Bernard, and A. Lenart, assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich. Clip forming and applying machine. 2,621,326, Dec. 16.

Heilman, Glenn A., Connersville, assignor to Garden-All Tractor, Inc., Liberty, Ind. Garden tractor. 2,582,430, Jan. 15.

Heilmann, Thorbjorn, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Treatment of cement raw slurry. 2,587,044, Feb. 26.

Heilmann, Thorbjorn, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Agglomerating finely divided materials. 2,592,421, Apr. 8.

Heilpern, Walter G.: *See*—
Vogt, Ernst, and Heilpern.

Heim Company, The, assignee: *See*—
Heim, Lewis R.

Heim, Jacob G., San Gabriel, assignor to The Calpat Corporation, Los Angeles, Calif. Release and adjusting means for vise-type wrenches. 2,592,803, Apr. 15.

Heim, Jacob G., San Gabriel, Calif. Combination collar and cravat. 2,598,539, May 27.

Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Sweepstick. 2,592,566, Apr. 15.

Heim, Oskar, Woodside, N. Y. Keyboard. 2,611,291, Sept. 23.

Heiman, Samuel, assignor to Philadelphia Rust-Proof Co., Philadelphia, Pa. Method and composition for coating aluminum with zinc. 2,580,773, Jan. 1.

Heimann, Heinrich, New York, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Retaining ring assembly. 2,595,787, May 6.

Heimann, Heinrich, New York, N. Y. Machine for producing tubes or other hollow cylindrical articles. 2,596,552, May 13.

Heimann, Heinrich, New York, and L. Brozek, Jackson Heights, assignors to Waldes Kohinoor, Inc., Long Island City, N. Y. Spring retaining ring for machine parts. 2,615,735, Oct. 28.

Heimann, Henry C., Ames, Iowa. Student's bookholder. 2,583,097, Jan. 22.

Heimbach, Newton, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Color forming development with an aromatic primary amino developer and α-[4-sulfophenylazo]-acetoacet-2-4-dichloroanilide. 2,584,349, Feb. 5.

Heimgartner, Leo C., R. J. Bush, and P. E. Clingman, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Sealing strip. 2,612,972, Oct. 7.

Heimlich, Milton, Larchmont, N. Y. Buttonhole guide for facilitating layout of buttonholes. 2,613,446, Oct. 14.

Heimsch, Robert A.: *See*—
Emerson, William S., and Heimsch.

Heimsch, Robert A., and W. S. Emerson, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Condensation chloromethyl benzoates. 2,612,516, Sept. 30.

Hein, Anthony J.: *See*—
Dutterer, Rex J. L., Johnson, and Hein.

Hein, August E., assignor to The Century Machine Company, Cincinnati, Ohio. Cooky making machine. 2,582,542, Jan. 15.

Hein, Harold W.: *See*—
Hartstick, William H., and Hein.

Hein, Louis T., and H. Bratis, Racine, Wis. Mold for producing a plastic edge protector for license plates. 2,602,190, July 8.

Heindel, Frank D.: *See*—
Haines, George S., and Heindel.

Heine, Charles, New York, N. Y. Subway and train seat indicator. 2,598,792, June 3.

Heine, Henry W., Washington, D. C. Apparatus for conveying plastic building materials. 2,606,645, Aug. 12.

Heinecke, William, New York, N. Y. Method employing amines for cleaning type matrixes. 2,615,825, Oct. 28.

Heineman, Arnold H., Chicago, Ill., assignor to Guardite Corporation, Wilmington, Del. Vacuum treating process. 2,593,445, Apr. 22.

Heineman, Lawrence M., Los Angeles, Calif., assignor to Permoflux Corporation, Chicago, Ill. Transducer. 2,611,830, Sept. 23.

Heinemann, Bernard: *See*—
Silverman, Milton, and Heinemann.

Heinemann Electric Company, assignee: *See*—
Wilckens, Kurt W.

Heinemann, Heinz, Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of cyclic monoolefins. 2,593,446, Apr. 22.

Heinemann, Heinz, Drexel Hill, assignor to Porocel Corporation, Philadelphia, Pa. Hardening bauxite with calcium sulfate. 2,595,943, May 6.

Heinemann, Heinz, Drexel Hill, assignor to Porocel Corporation, Philadelphia, Pa. Binding bauxite fines into granules with colloidal silica. 2,603,609, July 15.

Heinen, Joseph, Long Beach, Calif. Valve. 2,596,075, May 6.

Heinen, Joseph, Long Beach, Calif. Plug valve. 2,609,174, Sept. 2.

Heinen, Richard C., Dallas, Tex. Apparatus for controlling heated stain removing digester baths. 2,602,876, July 8.

Heininger, Charles R.: *See*—
Huribut, James H., and Heininger.

Heinisch, William F., Bremerton, Wash. Diaphragm operated valve with frictionless seal between diaphragm mechanism and valve. 2,623,543, Dec. 30.

Heinish, George, assignor to The Star Drilling Machine Company, Akron, Ohio. Power-operated telescoping mast and braces. 2,589,080, Mar. 11.

Heinje, Robert F, Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Equalizing mechanism for feed rollers. 2,621,778, Dec. 16.

Heinkel, Amanda Y., Hollywood, Calif. Combination slip and brassière. 2,581,325, Jan. 1.

Heinl, Lawrence F.: *See*—
Lindeman, Jesse G., Heinl, Krehbiel, and Durland.

Heinle, Carl W., East Orange, N. J., assignor to American Can Company, New York, N. Y. Winding composite tubular articles. 2,604,830, July 29.

Heinle, Carl W., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can body. 2,616,588, Nov. 4.

Heinle, Carl W., East Orange, and W. J. Dobbins, 3rd., Little Falls, N. J., assignors to American Can Company, New York, N. Y. Punch type container opener with handle extension. 2,622,318, Dec. 23.

Heinn Company, The, assignee: *See*—
Panfil, Conrad J., Sr.

Heino, Ilmari, Ferndale, Mich. Fish lure. 2,593,027, Apr. 15.

Heinoo, Lauri, Arvida, Quebec, Canada. Game recorder. 2,592,897, Apr. 15.

Heinrich, August H., Euclid, assignor to The Auto-Diesel Piston Ring Company, Cleveland, Ohio. Sealing ring. 2,622,905, Dec. 23.

Heinrich, Ernst: *See*—
Zerweck, Werner, and Heinrich.

Heinrich, Gustav J., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of sodium chlorophenate. 2,615,923, Oct. 28.

Heinrich, Ludwig K., Gary, Ind., assignor to The Celotex Corporation, Chicago, Ill. Magazine feed. 2,603,364, July 15.

Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of olefin lubricant having a high viscosity. 2,616,916, Nov. 4.

Heinrich, Robert O., Racine, Wis. Locking plate adjusting means for vise beams. 2,612,805, Oct. 7.

Heintges, Clemens A., Uddevalla, assignor to Aktiebolaget Teximpex, Gothenburg, Sweden. Screen printing machine. 2,610,577, Sept. 16.

Heintz Manufacturing Company, assignee: *See*—
Lambert, Francis M.
Whitney, Forrest J., Jr.

Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Sprag type overrunning clutch. 2,614,670, Oct. 21.

Heintz, Ralph M., Los Gatos, Calif., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Commutator structure. 2,606,221, Aug. 5.

Heintzel, Joseph F., Erie, Pa., assignor to Detroit Steel Products Company, Detroit, Mich. Psychiatric window construction. 2,608,251, Aug. 26.

Heintzen, Harry R., Philadelphia, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting arrangement in refrigerating apparatus. 2,616,268, Nov. 4.

Heinz, Bernard, Scranton, Pa. Luminous attachment for the cover plate of vehicle locks. 2,598,375, May 27.

Heinz, Bernard, Scranton, Pa. Luminous attachment for door locks. 2,598,376, May 27.

Heinz, Edward N., Sr., Oak Park, Ill. Unexpired time and maturity date calculator. 2,614,751, Oct. 21.

Heinz, H. J., Company, assignee: *See*—
Aiken, Mary E., and Rummel.
Thorn, Richard H. W.

Heinz, Winfield B., Bound Brook, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Fluid operated measuring or control apparatus. 2,589,251, Mar. 18.

Heinzelman, Earl E., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Molding machine. 2,608,721, Sept. 2.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Alpha-alkyl-beta-arylnitroethenes. 2,601,282, June 24.

Heinzman, Bernard J.: *See*—
Le Claire, Eugene J., and Heinzman.

Heise, George W.: *See*—
Cahoon, Nelson C., and Heise.

Heise, George W., Rocky River, E. A. Schumacher, Parma, and H. R. Wilson, Painesville, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Treatment of waste pickle liquor. 2,583,098, Jan. 22.

Heise, George W., Rocky River, and R. P. Fox, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Deferred action type gas depolarized dry cell having prolonged shelf life. 2,609,408, Sept. 2.

Heise, George W., Fairview, and E. A. Schumacher, Parma, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Primary cell or battery. 2,612,532, Sept. 30.

Heise, Walter E., Syracuse, N. Y. Mold freezing apparatus. 2,614,403, Oct. 21.

Heise, Walter E., Syracuse, N. Y. Apparatus for separating frozen articles from molds. 2,614,510, Oct. 21.

Heisenberg, Erwin, Erlenbach-on-the-Main, and J. Kleine, Munchen, assignors to Vereinigte Glanzstoff-Fabriken A. G., Wuppertal-Elberfeld, Germany. Spinning solutions of vinyl chloride polymer dissolved in a solvent mixture containing tetrahydrofurane and an additional solvent selected from the group consisting of lactones and lactams. 2,616,868, Nov. 4.

Heisenberg, Erwin, Erlenbach-on-the-Main, and J. Kleine, Munchen, assignors to Vereinigte Glanzstoff-Fabriken A. G., Wuppertal-Elberfeld, Germany. Spinning solutions of vinyl chloride polymer in a solvent mixture of tetrahydrofurane and a nitrile. 2,616,869, Nov. 4.

Heisenberg, Erwin, Erlenbach-on-the-Main, and J. Kleine, Munich, assignors to Vereinigte Glanzstoff-Fabriken A. G., Wuppertal-Elberfeld, Germany. Solutions of vinyl chloride polymer in a mixture of tetrahydrofurane and a solvent from the group consisting of sulfone, sulfoxides, sulfonic acid esters, and sulfinic acid esters. 2,617,777, Nov. 11.

Heiser, Ferdinand F.: *See*—
Johnson, Roy W., and Heiser.

Heiser, Robert F.: *See*—
Dunn, Roberg G., and Heiser.

Heisig, Charles G., St. Albans, N. Y. Adjustable awning for use on boats, beaches, and elsewhere. 2,618,285, Nov. 18.

Heisig, Garth J.: *See*—
Crooker, Robert M., and Heisig.

Heisig, Garth J., assignor to Motorola, Inc., Chicago, Ill. Vertical retrace blanking. 2,607,847, Aug. 19.

Heisler, Edward A., Folsom, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of sodium fluoride. 2,585,387, Feb. 12.

Heisler, Edward G., and R. H. Treadway, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Potato juice. 2,594,308, Apr. 29.

Heiss, Edward A.: *See*—
Hall, James E., and Heiss.

Heitchue, Regis D., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control valve. 2,599,175, June 3.

Heitlinger, Eugene V., Franklin Park, assignor to Felt and Tarrant Manufacturing Company, Chicago, Ill. Split accumulator mechanism. 2,599,257, June 3.

Heitmeyer, Charles W., Cincinnati, Ohio. Picking bag. 2,620,004, Dec. 2.

Heitmeyer, Powis L., and H. A. Leisy, Portland, Oreg. Retractor. 2,608,192, Aug. 26.

Heitz Instruments, Inc., assignee: *See*—
Heitz, Walter E.

Heitz, Walter E., Searsdale, assignor to Heitz Instruments, Inc., New York, N. Y. Adjustable length sphygmomanometer cuff or sleeve. 2,582,123, Jan. 8.

Heizer, Edward J., Mountain Lakes, assignor to Specialties Development Corporation, Belleville, N. J. Yarn traverse for yarn winding machines. 2,611,548, Sept. 23.

Heizer, Edward J., West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Yarn furnishing mechanism. 2,583,568, Jan. 29.

Helberg, Stanley E., Chicago, Ill. Film or plate holder for cameras. 2,598,911, June 3.

Helberg, Wilbur, McClure, Ohio. Mail carrier. 2,592,898, Apr. 15.

Helbig, Mary C., Plainfield, Ind. Combined skirted and bifurcated garment. 2,580,774, Jan. 1.

Helbig, Walter A., Yonkers, N. Y., assignor, by mesne assignments, to Atlas Powder Company, Wilmington, Del. Treating liquids with activated carbon. 2,620,926, Dec. 9.

Held, Hans, Flushing, and J. Weits, Baldwin, N. Y. Cyclone dust collector. 2,583,696, Jan. 29.

Held, Joseph E., Bronx, assignor to American Cystoscope Makers, Inc., New York, N. Y. Control valve for dental drill units. 2,622,841, Dec. 23.

Held, Simon S., Paris, assignor of one-half to Etablissements Ed. Jaeger, Levallois-Perret, France. Movement for electric timepieces. 2,598,912, June 3.

Heldal, Halvor, Neattun near Bergun, Norway. Tap or cock. 2,600,293, June 10.

Heldenbrand, Arthur P., Oklahoma City, Okla. Water filter. 2,586,226, Feb. 19.

Heldenbrand, Arthur P., Oklahoma City, Okla. Lathe attachment. 2,606,034, Aug. 5.

Heldenbrand, Laurance E., Oklahoma City, Okla. Animal restraining device. 2,593,559, Apr. 22.

Heldenbrand, Laurance E., Oklahoma, City, Okla. Gate latch. 2,593,560, Apr. 22.

Heldenbrand, Russell C., New Iberia, La. Garbage can rack. 2,582,906, Jan. 15.

Helene Brassiere Company, Inc., assignee: *See*—
Anderson, Margaret K.

Helfgottt, Erwin, assignor to Royal P. C. D. Inc., New York, N. Y. Hair parting device. 2,604,101, July 22.

Helfrecht, Fred A., assignor to National Motor Bearing Co., Inc., Redwood City, Calif. Fluid seal. 2,614,874, Oct. 21.

Helgerud, Oyvind, Oslo, Norway. Process in pretreating vegetables and fruits before freezing. 2,581,484, Jan. 8.

Heli-Coil Corporation, assignee: *See*—
Cram, Harkness W., and Forster.
Forster, John O.

Helin, Charles P., Detroit, Mich. Fishhook assembly. 2,621,438, Dec. 16.

Hellaby, John A.: *See*—
Basitan, Theron E., Hellaby, and Strollis.

Heller Brothers Company, assignee: *See*—
Heller, Eugene P.

Heller, Eugene P., Madison, assignor to Heller Brothers Company, Newark, N. J. Scraping tool. 2,590,966, Apr. 1.

Heller, George L.: *See*—
Ekholm, Wesley C., and Heller.

Heller, George L., Monroe, La., assignor to Columbian Carbon Company. Carbon black manufacture. 2,597,991, May 27.

Heller, George L., Monroe, La., assignor to Columbian Carbon Company. Apparatus for production of carbon black. 2,597,992, May 27.

Heller, Harold H., Appleton, Wis., and R. G. Shirriff, Sylacauga, Ala., assignors to Paper Patents Company, Neenah, Wis. Manufacture of calcium hypochlorite bleach liquor. 2,587,845, Mar. 4.

Heller, Harold H., Appleton, and G. H. Saunders, assignors to Paper Patents Company, Neenah, Wis. Manufacture of chalk. 2,587,999, Mar. 4.

Heller, Herman S., West Los Angeles, Calif. Safety device for preventing accidental erasing or double recording on magnetic record tape. 2,612,565, Sept. 30.

Heller, Jacob, White Plains, N. Y. Cooking utensil with copper skirt. 2,605,928, Aug. 5.

Heller, Joseph I., Brooklyn, N. Y., assignor, by mesne assignments, to M. Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn. Pulse analyzing method and system. 2,608,652, Aug. 26.

Heller, Julius, Portsmouth, Va. Power take-off device for wheeled tractors. 2,588,721, Mar. 11.

Heller, Julius, Portsmouth, Va. Wheel hub cable power unit combination winch and hoist. 2,610,826, Sept. 16.

Heller, Max, Brooklyn, N. Y. Waistband. 2,590,616, Mar. 25.

Heller, Max A., and A. J. Conti, Denver, Colo. Multiple radiant cell gas burner. 2,602,496, July 8.

Heller, Maximilian, London, England. Suspended assembly for seats or the like. 2,581,483, Jan. 8.

Heller, Milton D.: *See*—
Bernstein, Seymour, Antonucci, and Heller.

Heller, Paul R.: *See*—
Baudry, René A., and Heller.

Heller, Richard V., New York, N. Y., assignor, by mesne assignments, to Einhart Manufacturing Company. Machine for feeding workpieces to power presses. 2,618,337, Nov. 18.

Heller, William, Packanack Lake, assignor to Schock, Gusmer & Co., Inc., Hoboken, N. J. Heater for wort kettles. 2,610,036, Sept. 9.

Helleur, Donald, Kenogami, Quebec, assignor to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Treatment of the spent cooking liquor of an ammonia base sulfite pulping process. 2,596,241, May 13.

Hellman, Jacob J., Atlanta, Ga. Automobile cigarette case. 2,597,990, May 27.

Hellums, William H., Dawson, Tex. Bucket cleaner for trench digging machines. 2,607,136, Aug. 19.

Hellwig, Hans-Joachim, assignor to Unterharzer Berg- und Hüttenwerke G. m. b. H., Oker/Harz, Germany. Furnace for the recovery of metal oxides. 2,613,137, Oct. 7.

Helm, Clyde D., assignor to Mid-Continent Supply Company, Inc., Fort Worth, Tex. Fluid pressure surge device. 2,583,215, Jan. 22.

Helmbold, August F. W., Fort Thomas, Ky. Attachment for pressing irons. 2,618,729, Nov. 18.

Helmer, Esther H., special administratrix: *See*—
Hoffman, Harry W., and Helmer.

Helmer, Grover H.: *See*—
Hoffman, Harry W., and Helmer.

Helmer, Robert, Great Neck, N. Y., assignor to Helmer Transmission Corporation. Magnetic torque transmission. 2,603,678, July 15.

Helmer Transmission Corporation, assignee: *See*—
Helmer, Robert.

Helmers, Carl J., and E. V. Mathy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Conversion of hydrocarbon oil to diesel fuel and carbon black. 2,608,470, Aug. 26.

Helmick, Marion A., Fairmont, W. Va., assignor to Owens-Illinois Glass Company. Glass level recording mechanism. 2,613,443, Oct. 14.

Helmkamp, Richard F., Jersey City, N. J., assignor to Air Reduction Company, Incorporated. Universal gas torch cutting machine. 2,617,644, Nov. 11.

Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Machine supporting foot. 2,602,616, July 8.

Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Device to restore forcibly interferingly operated type carriers. 2,612,253, Sept. 30.

Helms Industrial Development Company, assignee: *See*—
Helms, Laurence C. and T. R., Tungett, and Noonan.

Helms, John H., Fortville, Ind. Centrifugal flow self-lubricating journal box and bearing. 2,606,796, Aug. 12.

Helms, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Semihard rubber composition and making same. 2,594,165, Apr. 22.

Helms, Laurence C. and T. R., G. Tungett, Grand Rapids, and J. K. Noonan, Cedar Springs, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Grille guard. 2,580,775, Jan. 1.

Helms, Travis R.: *See*—
Helms, Laurence C. and T. R., Tungett, and Noonan.

Helpert, Leah, assignee: *See*—
Weis, William B.

Helsel, Reuben H., assignor, by mesne assignments, to General Register Corporation, Long Island City, N. Y. Ticket issuing machine. 2,601,283, June 24.

Helsel, Reuben H., assignor to General Register Corporation, Long Island City, N. Y. Ticket printing and issuing machine. 2,609,746, Sept. 9.

Helsel, Reuben H., assignor to General Register Corporation, Long Island City, N. Y. Ticket issuing machine. 2,616,500, Nov. 4.

Helsley, Frank H., Los Angeles, Calif. Wind deflector for automobile rear seats. 2,608,926, Sept. 2.

Helstrom, Julmer, Cook, Minn. Hydraulic vise having reservoir, pump, and cylinder carried by movable jaw. 2,596,853, May 13.

Helt, Herbert M., Bellevue, assignor to Kool Vent Metal Awning Corporation of America, Pittsburgh, Pa. Awning construction. 2,598,691, June 3.

Helterline, Leo L., Jr., South Norwalk, assignor to Sorensen & Company, Inc., Stamford, Conn. Voltage regulator. 2,602,915, July 8.

Helterline, Leo L., Jr., South Norwalk, M. Best, Jr., Stamford, and A. Bunblasky, New Canaan, assignors to Sorensen & Company, Inc., Stamford, Conn. Filament failure device. 2,621,322, Dec. 9.

Helton, Frank L., San Benito, Tex. Lever actuated axially shifting type tire loosening apparatus. 2,598,793, June 3.

Heltzel, Herbert, assignee: *See*—
Brumbaugh, Harold C.

Heltzer, Harry: *See*—
Fisher, Kenneth W., and Heltzer.

Helwig, Clarence E., Geneva, Ohio. Artificial fish lure. 2,623,319, Dec. 30.

Helwig, Ralph W., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Continuous conveyer-reactor chamber. 2,600,871, June 17.

Helz, Francis, assignor to Contractors Machinery Company, Detroit, Mich. Hoist for vehicle dump bodies. 2,622,924, Dec. 23.

Helz, Philip C., Milwaukee, Wis. Waterproof door hinge. 2,618,010, Nov. 18.

Hem, Arne G., Hot Sulphur Springs, Colo. Ski. 2,581,532, Jan. 8.

Hem, Halvor W., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale poise. 2,582,485, Jan. 15.

Hembree, William T., Kingston, Tenn. Rodent trap. 2,599,711, June 10.

Hemfort, Heinrich: *See*—
Steinacker, Peter, and Hemfort.

Hemfort, Heinrich, assignor to Westfalia Separator A. G., Oelde, Westphalia, Germany. Centrifugal countercurrent extraction. 2,622,797, Dec. 23.

Heming, Arthur E., Lafayette Hill, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Medical preparation for reducing the body level of sodium. 2,611,730, Sept. 23.

Heminway & Bartlett Mfg. Co., The, assignee: *See*—
Thompson, Walter E., Jr., and Taylor.

Hemmi, Hans M., assignor to Sandoz Ltd., Basel, Switzerland. Crimped fibers, filaments, and threads. 2,623,266, Dec. 30.

Hemmi, Hans M., and P. Trefzer, assignors to Sandoz Limited, Basel, Switzerland. Polyamine-cyanamide resins. 2,622,075, Dec. 16.

Hemming, Charles B., and R. L. Overholt, New Rochelle, assignors to United States Plywood Corporation, New York, N. Y. Heat resistant panel. 2,601,284, June 24.

Hemminger, Charles E.: *See*—
Cain, Virginia L., and Hemminger.
Roethell, Bruno E., and Hemminger.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus and process for circulating powdered solids in chemical treatment. 2,595,254, May 6.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Preparation of gaseous fuel. 2,605,178, July 29.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Removal of carbon from hydrocarbon synthesis catalyst. 2,608,569, Aug. 26.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Treatment of carbonaceous solids. 2,610,944, Sept. 16.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Supply of heat to fluidized solids beds for the production of fuel gas. 2,619,415, Nov. 25.

Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Forming a sprayable synthetic rubber solution. 2,582,991, Jan. 22.

Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Phenolic molding compound. 2,611,759, Sept. 23.

Hemperly, William F., Westfield, and N. R. Smith, Somerville, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Polyethylene film manufacture. 2,586,820, Feb. 26.

Hemphill Company, assignee: *See*—
Brown, Charles F.
Green, Isaac H. C.
St. Pierre, Eugene.
St. Pierre, Paul L.
Smith, Norman H.

Hemphill, John, executor: *See*—
Du Pont, Eleuthere P.

Hemphill, William B., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Automatic gain control system. 2,612,568, Sept. 30.

Hems, Benjamin A.: *See*—
Hellbron, Ian M., Weedon, Jones, Hems, and Jansen.

Henc, Louis J., assignor to Struthers Wells Corporation, Titusville, Pa. Fire tube boiler having removable smoke box closure. 2,595,523, May 6.

Henc, Louis J., assignor to Struthers-Wells Corporation, Titusville, Pa. Tube sheet and smoke box for horizontal flue boiler having return fire tubes. 2,604,081, July 22.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Tear strip can with cable loop pull. 2,606,688, Aug. 12.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Forming ringlike bodies. 2,621,622, Dec. 16.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing device for volatile products. 2,623,785, Dec. 30.

Henchert, John, River Forest, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Bail inserting machine. 2,623,274, Dec. 30.

Henchert, John, and W. F. Punte, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Swivel disappearing spout. 2,623,664, Dec. 30.

Henckel, Aage F. C., Hellerup, Denmark. Recoil amplifier device. 2,585,775, Feb. 12.

Hendel, Carl E., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Production of potato chips. 2,611,705, Sept. 23.

Hendel, Frank J., Newark, assignor to Wigton-Abbott Corporation, Plainfield, N. J. Desulfurizing petroleum products in the liquid phase. 2,618,586, Nov. 18.

Hendel, Joseph A., Queens Village, N. Y. Flexible coupling. 2,582,249, Jan. 15.

Hendershott, Herman P., assignee: *See*—
Schellenger, Bernard G.

Hendershott, Robert W., Klamath Falls, Oreg. Portable and collapsible pole vaulting and high jumping pit. 2,588,722, Mar. 11.

Henderson, Albert, Pittsburgh, Pa. Apparatus for molding concrete building segments. 2,582,431, Jan. 15.

Henderson, Albert, assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa. Precast reinforced concrete unit. 2,587,724, Mar. 4.

Henderson, Bancroft W.: *See*—
Davis, Arnold R., and Henderson.

Henderson, Barron B.: *See*—
Rubin, Frank, and Henderson.

Henderson, Clifford W.: *See*—
Brewer, Robert F., and Henderson.

Henderson, Delbert H., Shaker Heights, Ohio. Snatch carrier tackle. 2,593,881, Apr. 22.

Henderson, Eldon C., Paso Robles, Calif. Detachable card holder for purses. 2,607,385, Aug. 19.

Henderson, Fred R., Kansas City, Mo. Crankshaft main journal grinder. 2,608,806, Sept. 2.

Henderson, Frederick C., Alliance, assignor to Royal China Inc., Sebring, Ohio. Stamping means. 2,621,591, Dec. 16.

Henderson, James P., La Grange Park, assignor to McAlear Manufacturing Company, Chicago, Ill. Pressure responsive measuring apparatus. 2,592,569, Apr. 15.

Henderson, John: *See*—
Armitage, Norman A., and Henderson.

Henderson, John, Princeton, N. J., assignor to Johnson & Johnson. Medicinal preparation for dysmenorrhea. 2,601,285, June 24.

Henderson, John L., London, England. Cycle frame or the like. 2,595,075, Apr. 29.

Henderson, Lawrence M.: *See*—
Woertz, Byron B., Henderson, and Ridgway.

Henderson, Lee R., Sunnyvale, Calif. Scaffold for handling sheet material. 2,586,227, Feb. 19.

Henderson, Lee R., Kosmos, and A. C. Seago, Yakima, Wash. Scaffold for handling sheet material. 2,590,617, Mar. 25.

Henderson, Minnis W., Bluefield, W. Va. Folding service tray for automobile glove compartments. 2,592,032, Apr. 8.

Henderson, Porter L., Charlotte, N. C. Carton for making ice-cream sandwiches. 2,591,812, Apr. 8.

Henderson, Porter L., Charlotte, N. C. Apparatus for forming confections. 2,619,046, Nov. 25.

Henderson, Porter L., Charlotte, N. C. Apparatus for making ice-cream cones. 2,619,047, Nov. 25.

Henderson, Robert D., Cincinnati, Ohio. Axially compressing type tire removing apparatus. 2,609,038, Sept. 2.

Henderson, Robert D., Cincinnati, Ohio. Axially compressing type tire dismounting apparatus. 2,609,039, Sept. 2.

Henderson, Robert M., Round Brook, N. J., assignor to Worthington Corporation. Water gauge sight glass. 2,620,662, Dec. 9.

Henderson, Walter, Maywood, Ill. Track locating device for toy trains. 2,590,317, Mar. 25.

Henderson, William P., Detroit, Mich. Cover plate for vehicle wheels. 2,580,543, Jan. 1.

Henderson, William S., Glasgow, Scotland. Wire-drawing tension device. 2,588,834, Mar. 11.

Hendler, Edwin, Philadelphia, Pa. Protective helmet for high-speed aircraft. 2,619,639, Dec. 2.

Hendlin, David: *See*—
Wood, Thomas R., and Hendlin.

Hendlin, David, Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Fermentation process for producing grisein. 2,596,969, May 20.

Hendrich, Henry A.: *See*—
Johnson, Reynold, Hendrich, and Malmros.

Hendrick, Lloyd M., and C. M. Wheeler, Fitchburg, Mass., assignors to General Electric Company. Dynamoelectric machine and control. 2,592,522, Apr. 8.

Hendrick, Wallace H., Cameron, N. C. Tractor cultivator. 2,593,028, Apr. 15.

Hendrick, Walter T. S., assignor to J. Lyons & Company Limited, London, England. Display carton and box. 2,593,143, Apr. 15.

Hendricks, Charles E., Tulsa, Okla., assignor to Century Geophysical Corporation. Galvanometer with adjustable damping. 2,622,118, Dec. 16.

Hendricks, James O., White Bear Lake, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive tapes and liners having low-adhesion coatings. 2,607,711, Apr. 19.

Hendricks, James O., White Bear Lake, and C. A. Dahlquist, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Oil-resistant adhesive tape. 2,601,016, June 17.

Hendricks, John G., Chatham, N. J., and H. J. Ratti, Manhasset, assignors to National Lead Company, New York, N. Y. Vinyl halide resin stabilized with basic lead phthalate. 2,608,547, Aug. 26.

Hendricks, John W.: *See*—
Claytor, Carl W., and Hendricks.

Hendricks, Victor P., Pomona, Calif. Artificial teeth. 2,618,062, Nov. 18.

Hendrickson, Carl, executor: *See*—
Anderson, Oliver W.

Hendrickson, Edward O., Grenville, S. Dak. Paddle wheel reinforcement means. 2,610,460, Sept. 16.

Hendrickson, Fritz E., South Elgin, assignor of fifty per cent to M. Ireland, Elgin, Ill. Buffing wheel. 2,581,411, Jan. 8.

Hendrickson, Fritz E., South Elgin, assignor of forty per cent to B. G. Olving, Elgin, Ill. Polishing machine. 2,594,646, Apr. 29.

Hendrickson, Fritz E., South Elgin, assignor of forty per cent to B. G. Olving, Elgin, Ill. Work wheel. 2,594,647, Apr. 29.

Hendrickson, James M.: *See*—
Gulick, David E., and Hendrickson.

Hendrickson, James M., West Franklin Township, Armstrong County, assignor to Eljer Company, Ford City, Pa. Method and apparatus for casting ceramic articles. 2,583,842, Jan. 29.

Hendrickson, Luther G., P. L. Dixon, and B. E. Lyle, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Selective flotation of zinc. 2,595,076, Apr. 29.

Hendrickson, Ralph L., Hobbs, N. Mex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Method and apparatus for coring wells. 2,585,386, Feb. 12.

Hendrickson, Severine B., Templeton, assignor to Heywood-Wakefield Company, Gardner, Mass. Suspension means for baby carriages and the like. 2,605,098, July 29.

Hendrickson, William G., San Jose, Calif., assignor to Wisconsin Alumni Research Foundation. Nitrogen fixation furnace. 2,619,412, Nov. 25.

Hendrix, Palmer G., Hickory, assignor to Pro-Nyl Chemicals, Inc., Salisbury, N. C. Whitening and brightening rinse composition for nylon. 2,619,470, Nov. 25.

Hendry, John L., Jr., and R. R. Pederson, Elizabeth, N. J. Comminuting food products. 2,583,697, Jan. 29.

Hendryx, Andrew B., Company, The, assignee: *See*—
Doolittle, Andrew H.

Hene, Derek H., administrator: *See*—
Hene, Emil.

Hene, Else, administrator: *See*—
Hene, Emil.

Hene, Emil, deceased, by The Stamford Trust Company, Stamford, Conn.: E. and D. H. Hene, administrators, assignors to Usewood Corporation, New York, N. Y. Molding compositions from cellulose, formaldehyde, hydrocarbon, and alkali. 2,589,941, Mar. 18.

Henecka, Hans, Wuppertal-Elberfeld, Germany, assignor to Schenley Laboratories, Inc., New York, N. Y. Hydroxyphenyl-cinnamic nitriles and process. 2,589,377, Mar. 18.

Henecka, Hans, Wuppertal-Elberfeld, Germany, assignor to Schenley Laboratories, Inc., New York, N. Y. Phenylpiperidino-coumarans. 2,589,378, Mar. 18.

Henggeler, Dean A., Lincoln, Nebr. Wire roller attachment for tractors. 2,605,976, Aug. 5.

Henggeler, Wilfred A., Columbus, Nebr. Hydraulic hayfork. 2,591,431, Apr. 1.

Henion, Henry M., Washington, D. C. Aircraft landing gear construction. 2,606,726, Aug. 12.

Henkel-Clauss Company, The, assignee: *See*—
Carlson, Bert G., and Borcz.

Henkel, Harvey L., assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Disappearing door safe. 2,598,255, May 27.

Henkes, Peter M., and E. L. Miottel, assignors to George Gorton Machine Co., Racine, Wis. Micrometer dial for machine and the like tools. 2,612,134, Sept. 30.

Henle, Joseph, North Bergen, N. J. Shuttle loading rack. 2,609,102, Sept. 2.

Henley, Arthur E., Morrisville, Pa. Combination hanger and rod. 2,617,537, Nov. 11.

Henne, Julius A., Rochester, assignor, by mesne assignments, to C. G. Wright, Webster, J. P. Wilmot, Rochester, and J. W. Morrisey, Wellsburg, N. Y. Photographic shutter with built-in synchronizer. 2,602,384, July 8.

Hennell, Charles H., Inglewood, Calif. Sliding table top construction. 2,612,423, Sept. 30.

Hennells, William E.: *See*—
Sainsbury, John, and Hennells.

Henneman, Clarence O.: *See*—
Garretson, Owen L., and Henneman.

Henneman, Clarence O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Double check quick filler valve. 2,590,408, Mar. 25.

Henneman, Clarence O., and D. R. de Boisblanc, Bartlesville, Okla., assignors to Phillips Petroleum Company. Apparatus for controlling internal-combustion engines. 2,595,524, May 6.

Hennenberger, Karl H., Albersbach-on-the-Odenwald, assignor to Huttenchemie G. m. b. H., Mannheim-Rheinau, Germany. Fertilizers. 2,609,287, Sept. 2.

Hennessey, Russell J.: *See*—
Guyer, Reynolds, and Hennessey.

Hennessy, Carroll A., assignor to Lamson Corporation, Syracuse, N. Y. Automatic starting regulator for overload release devices. 2,624,032, Dec. 30.

Hennessy, Edward J., assignor to R. A. Washburn, Chicago, Ill. Bottle carrier convertible to a toy house. 2,581,100, Jan. 1.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal lubricator distributor. 2,612,416, Sept. 30.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal lubricator. 2,621,089, Dec. 9.

Hennessy Lubricator Company, Inc., assignee: *See*—
Hennessy, James J.

Hennessy, Mark M., and H. J. Lawrence, assignors to Durant Manufacturing Co., Milwaukee, Wis. Recording counter for article dispensers. 2,619,283, Nov. 25.

Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Ventilating system for vehicles. 2,605,690, Aug. 5.

Hennig, C. Frederick, assignee: *See*—
Hennig, Gustav G.

Hennig, Gustav G., assignor of one-half to C. F. Hennig, Paterson, N. J. Decatizing cylinder. 2,591,813, Apr. 8.

Henning, Frederick E., Fargo, N. Dak. Earth auger with spirally arranged removable cutting bits. 2,594,261, Apr. 22.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing method and apparatus. 2,581,255, Jan. 1.

Henning, George E., and C. J. O'Leary, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for coiling filamentary articles. 2,605,052, July 29.

Henning, Otto, Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor nozzle system. 2,621,030, Dec. 9.

Henning, William W., Riverside, Ill., assignor to International Harvester Company. Rotary pump and motor hydraulic transmission system. 2,599,450, June 3.

Hennink, Hermanus, Utrecht, Netherlands. Feeding and stacking means for address printing plates. 2,594,166, Apr. 22.

Hennon, Charles P., Weslaco, Tex. Bottle cap. 2,607,505, Aug. 19.

Henrard, Fernand J. J., Brussels, assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium. Apparatus for improving milk products on the farm. 2,619,025, Nov. 25.

Henri, Jon, Inc., assignee: *See*—
Bowman, John T., and Eickhoff.

Henrich, Gustav J., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of sodium 2,4,5-trichlorophenoxyacetate. 2,598,692, June 3.

Henrich Lumber Inc., assignee: *See*—
Gentz, Donald F.

Henrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Oxidation resistant lubricating oil composition. 2,595,140, Apr. 29.

Henrich, Richard E.: *See*—
O'Connor, Bernard E., and Henrich.

Henrichsen, Knut: *See*—
Atwood, John L., and Henrichsen.

Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Pump. 2,604,856, July 29.

Henricks, John A., Cleveland, Ohio. Drawing metal. 2,588,234, Mar. 4.

Henricksen, Harold E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Locking device for foot presses. 2,589,692, Mar. 18.

Henrickson, William, assignee: *See*—
Gathman, Evelyn N.

Henriksen, Ernst J. J., Copenhagen, Denmark, assignor to Speed Products Company, Inc., Long Island City, N. Y. Frangible staple. Re. 23,566, Oct. 21.

Henriksen, Harvey E., assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,600,872, June 17.

Henroteau, Francois C. P., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Concentric optical system. 2,585,009, Feb. 12.

Henry, André: *See*—
Karolus, August, Hamburger, and Henry.

Henry, Arthur L., and A. E. Killingsworth, Fort Worth, Tex.; said Killingsworth, assignor to said Henry. Mechanic's creeper. 2,611,417, Sept. 23.

Henry, Augustus P., Los Angeles, Calif. Power conversion apparatus. 2,611,324, Sept. 23.

Henry, Beulah L., New York, N. Y. Continuously attached envelopes. 2,610,784, Sept. 16.

Henry, Charles W., Hennessey, Okla. Adjustable eave gutter support or hanger. 2,596,553, May 13.

Henry, David S., Wallingford, Conn. Spraying apparatus. 2,602,695, July 8.

Henry, Earle G., Wilmette, Ill. Tool for stretching finger rings. 2,594,432, Apr. 29.

Henry, Earle G., Wilmette, Ill. Finger ring stretcher. 2,600,163, June 10.

Henry, Earle G., Wilmette, and L. L. Galinski, assignors to R. T. Moloney, Chicago, Ill. Light beam gun. 2,586,330, Feb. 19.

Henry, Emerson F., Warren, Ohio. Artificial bait. 2,604,717, July 29.

Henry Engineering Company, assignee: *See*—
Johnson, Howard W., and Palmer.

Henry, Ferdinand G., Jersey City, N. J. Reeling and feeding device. 2,598,540, May 27.

Henry, Georges, Dampremy, E. Brichard, Jumet, and M. Delacuvellerie, Loverval, assignors to Union des Verreries Mecaniques Belges, Societe Anonyme, Charleroi, Belgium. Glass-cutting machine. 2,601,725, July 1.

Henry, Gerald B., assignor to Henry and Henry, Inc., Buffalo, N. Y. Hot fudge dispenser. 2,609,966, Sept. 9.

Henry, Gilbert A., Burbank, Calif. Semipneumatic tire for toy vehicles. 2,599,176, June 3.

Henry, Glenn C., Moorestown, N. J. Article support and the like. 2,587,316, Feb. 26.

Henry, Guy J., Arlington Heights, Ill. Manually actuated valve with safety fitting. 2,608,201, Aug. 26.

Henry and Henry, Inc., assignee: *See*—
Henry, Gerald B.

Henry, Howarth P., Yellow Springs, Ohio. Exhaust discharge for outboard motors. 2,601,396, June 24.

Henry, Jack, Atlanta, Ga., assignor to North American Electric Lamp Co., St. Louis, Mo. Baking chamber. 2,600,294, June 10.

Henry, James E., Dayton, Ohio. Shoran mechanical straight-line computer. 2,591,698, Apr. 8.

Henry, James E., Dayton, Ohio. Shoran intervalometer. 2,598,693, June 3.

Henry, James E., Dayton, Ohio. Two-ring action camera shutter. 2,601,286, June 24.

Henry, Mark T., Marshall, Tex. Starter motor and generator repair tool. 2,623,556, Dec. 30.

Henry, Nelson R., assignor to R. Feldser, Atlanta, Ga. Control for fluid pumping and dispensing machines. 2,614,185, Oct. 14.

Henry, Otto H., Caldwell, N. J. Resonant vibration fatigue tester. 2,587,317, Feb. 26.

Henry, Raymond, Moline, Ill. Pneumatic cotton harvester. Re. 23,477, Apr. 8.

Henry, Robert E.: *See*—
Bendix, Gordon H., Henry, and Strodtz.

Henry, Ronald A., China Lake, Calif., assignor to The Procter & Gamble Company. Surface-active compounds. 2,584,701, Feb. 5.

Henry, Ronald A., China Lake, Calif., assignor to The Procter & Gamble Company. Fatty ester-amide sulfonates. 2,604,481, July 22.

Henry, Ronald A., Inyokern, Calif. Preparation of nitroaminoguanidine. 2,617,826, Nov. 11.

Henry Valve Company, Incorporated, assignee: *See*—
Griffith, Leonard F., and McIlvaine.

Henry, William J., Jr., Knoxville, Tenn. Sliding door. 2,589,493, Mar. 18.

Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Removal of waste yarn from bobbins and the like. 2,617,172, Nov. 11.

Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Candle filter assembly. 2,617,534, Nov. 11.

Henschel, James E.: *See*—
Emmer, Milton, and Henschel.

Henschke, Ulrich K., Garmisch-Partenkirchen, and H. A. Mauch, Rottweil-on-the-Neckar, Germany. Tachistoscope. 2,590,101, Mar. 25.

Henschker, Erhard R., Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Mounting for roller conveyers. 2,608,286, Aug. 26.

Henschker, Erhard, and F. S. Salter, Parkstone, assignors to The Loewy Engineering Company Limited, London, England. Ring rolling mill. 2,610,531, Sept. 16.

Hensel, H. Struve, assignee: *See*—
Fennelly, Joseph C.

Hensgen, Bernard T., assignor to Swift & Company, Chicago, Ill. Coloring agent for plastic materials. 2,610,917, Sept. 16.

Hensgen, Bernard T., Harvey, assignor to Swift & Company, Chicago, Ill. Margarine package. 2,617,733, Nov. 11.

Hensley, Guy P., San Francisco, and D. O. Johnson, Loleta, assignors to Golden State Company, Ltd., San Francisco, Calif. Powder conveying method and apparatus. 2,583,648, Jan. 29.

Hensley, Lee C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing symmetrical tetranuclear dyestuffs. 2,586,164, Feb. 19.

Hensley, Lee C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing symmetrical tetranuclear dye salts. 2,592,515, Apr. 8.

Henson, Walter A., and F. G. Edwards, assignors to The Dow Chemical Company, Midland, Mich. Making homogeneous dispersions of polymers in drying oils. 2,606,164, Aug. 5.

Henson, William, assignor of one-half to C. H. White, Fort Worth, Tex. Collapsible landing net. 2,619,755, Dec. 2.

Henszey, Roy O., Oconomowoc, Wis. Apparatus and method for controlling foam. 2,604,154, July 22.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Blocking oscillator. 2,582,697, Jan. 15.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmission network for emphasizing the high-frequencies of applied oscillations. 2,591,936, Apr. 8.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus including a titanate condenser for amplifying an electrical signal. 2,611,039, Sept. 16.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier using condenser with voltage-responsive dielectric. 2,616,989, Nov. 4.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for limiting and detecting frequency-modulated oscillations. 2,617,018, Nov. 4.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Silencing network. 2,617,019, Nov. 4.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for receiving frequency-modulated oscillations. 2,617,021, Nov. 4.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Carrier wave generator. 2,617,034, Nov. 4.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ionization chamber and associated circuit. 2,617,043, Nov. 4.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for detecting frequency-modulated oscillations. 2,623,174, Dec. 23.

Heppenstall Company, assignee: *See*—
Heppenstall, Max R.

Heppenstall, Max R., assignor to Heppenstall Company, Pittsburgh, Pa. Ring rolling mill. 2,610,532, Sept. 16.

Hepperle, Erwin: *See*—
Lippert, Hanns, and Hepperle.

Heppner, Myron R., Round Lake, Ill. Focusing and centering device for cathode-ray tubes. 2,581,657, Jan. 8.

Heppner, Myron R., Round Lake, Ill. Electron beam centering device for cathode-ray tubes. 2,586,948, Feb. 26.

Hept, Ralph W.: *See*—
Weber, Nelson H., and Hept.

Heptinstall, John, Worthing, England. Time and period indicating device. 2,604,940, July 29.

Hepworth, Walter, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Di-quaternary salts of pyrimidylaminoquinolines. 2,591,545, Apr. 1.

Hepworth, Walter, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Quaternary salts of pyrimidylaminocinnolines and preparing same. 2,585,935, Feb. 19.

Hepworth, Walter, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Manufacture of diquaternary salts of pyrimidylaminocinnolines. 2,585,936, Feb. 19.

Her Majesty the Queen in the right of Canada, as represented by the Minister of Mines and Technical Surveys, assignee: *See*—
Meler, Jerzy W.

Héraud, André, Saint Ouen, assignor to Societe Anonyme dite: Societe des Piles Wonder, Saint-Ouen (Siene), France. Electric battery composed of flat elements. 2,591,355, Apr. 1.

Herbelleau, Armand P., assignor to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Societe Anonyme, Paris, France. Apparatus for emptying reservoirs. 2,582,753, Jan. 15.

Herbenar, Anton W., Ferndale, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-and-quench hardening irregular objects such as gears. 2,598,694, June 3.

Herbenar, Anton W., Ferndale, Mich., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating surface hardened articles. 2,604,419, July 22.

Herbenar, Edward J., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Connector. 2,592,280, Apr. 8.

Herbener, Henry M., Thomasville, Ga. Pocketbook, folder, card case or the like. 2,586,940, Feb. 26.

Herbener, Henry M., Thomasville, Ga. Folder for bills or the like and pocket construction. 2,589,546, Mar. 18.

Herberg, Thoroff H.: *See*—
Bingham, James B., Holkesvig, and Herberg.

Herbert, Alfred, Limited, assignee: *See*—
Lloyd, Arthur H.
Lloyd, Arthur H., and Jinman.

Herbert, Charles C., assignor to Livestock Sprayer Mfg. Co., San Jose, Calif. Spraying system. 2,608,952, Sept. 2.

Herbert, Earl, St. Joseph, Mo. End casting and retrieving reel. 2,588,524, Mar. 11.

Herbert, John F.: *See*—
Brightly, Frederick C., Jr., and Herbert.

Herborn, Ludwig E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dielectric test circuit. 2,614,152, Oct. 14.

Herbst, Albert A., Wichita, Kans. Wristband for watches. 2,602,573, July 8.

Herbst, Clifford G., assignor to The Eastern Metalcraft Company, Incorporated, Waterbury, Conn. Weighing scale. 2,588,322, Mar. 4.

Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Position indicating system. 2,581,589, Jan. 8.

Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Radio system for aircraft identification. 2,595,141, Apr. 29.

Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Radio navigation system for targets in altitude layers. 2,595,358, May 6.

Herbst, Walter A., and W. C. Howell, Jr., Union, N. J., assignors to Standard Oil Development Company. Preparing rich-mixture aviation fuel. 2,593,561, Apr. 22.

Herbster, George, Cleveland, Ohio, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Venilator. Re. 23,560, Sept. 30.

Herbster, George B., assignor, by mesne assignments, to 8600 Denison Company, Cleveland, Ohio. Multiple element forced air flow air heating furnace. 2,617,406, Nov. 11.

Herbstritt, Karl: *See*—
Davies, Kenneth R., and Herbstritt.

Herceg, Matt D., Stockton, Calif. Ventilated shoe. 2,614,339, Oct. 21.

Hercik, Lad L., Lakewood, Ohio. Alligator shear blade mounting. 2,593,144, Apr. 15.

Hercik, Lad L., Lakewood, Ohio. Crank driving mechanism. 2,593,882, Apr. 22.

Herck, John, Jacksonville, Fla., assignor to The Ce-Brick Corporation, New Rochelle, N. Y. Producing designs on building walls. 2,595,142, Apr. 29.

Hercules Container Corp., assignee: *See*—
Gazette, Marshall E.

Hercules Fasteners, Inc., assignee: *See*—
Frank, Joseph J.
Frank, Joseph J., and Macy.

Hercules Motors Corporation, assignee: *See*—
Krug, George M.

Hercules Powder Company, assignee: *See*—
Amberg, Lyle O.
Armstrong, Godfrey P., Bewley, and Turck.
Azoriosa, Julian L.
Bohlman, Walter S.
Borglin, Joseph N.
Borglin, Joseph N., and Ray.
Buntin, George A., and Lohr.
Chappell, Fred L., Jr.
Drew, John, and Funderburk.
Erkko, Eero O.
Evans, Evan F.
Gloor, Walter E.
Gould, Charles W.
Grassie, Vernon R.
Greer, John E., and Lawrence.
Hays, John T.
Keim, Gerald I.
Klug, Eugene D.
Lamborn, Bayard T.
Lawrence, Robert W.
Martin, Don.
Mayfield, Evart E.
Oswald, Frank G.
Price, Charles C.
Putnam, Stearns T.
Raczynski, Walter A.
Riley, John E.
Robinson, John C., Jr.
Robinson, John C., Jr., and Ropp.
Ropp, Walter S.
Rothrock, John E.
Rummelsburg, Alfred L.
Schertz, Glenwood L.
Stern, Raphael L.
Vandenberg, Edwin J.
Vaughan, Charles L. P.
Weisgerber, Cyrus A.
Weldin, Lewis C.

Hercules Steel Products Corporation, assignee: *See*—
King, Kenneth J.

Herd, Harold H.: *See*—
Beckman, Arnold O., Herd, and Robinson.

Herdle, Lloyd E.: *See*—
Richter, George A., Perkins, and Herdle.

Hereford, Frank L., Jr.: *See*—
Ney, Edward P., Hereford, Whitehead, and Kuhltau.

Heresite & Chemical Company, assignee: *See*—
Hempel, Charles H.

Herff-Jones Company, assignee: *See*—
Hunter, Lyman G.

Hergenrother, Richard G., New Brunswick, N. J. Ventilating chimney. 2,619,022, Nov. 25.

Hergenrother, Rudolf C., West Newton, Mass. Aircraft approach system. 2,597,321, May 20.

Hergert, Frank C., Buffalo, N. Y. Sanitary hairbrush or duster. 2,582,992, Jan. 22.

Heritage, Clark C., Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash. Protein adhesive composition. 2,595,257, May 6.

Heritage, Clark C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Manufacture of resin-bound fiber structure. 2,610,138, Sept. 9.

Heritage, Clark C., Cloquet, Minn., and W. G. Van Beckum, assignors to Weyerhaeuser Timber Company, Longview, Wash. Metal recovery. 2,589,252, Mar. 18.

Herkenham, Thomas A., Schenectady, N. Y. Fishing plug with guarded hook. 2,581,485, Jan. 8.

Herkenhoff, Earl C.: *See*—
Swainson, Swain J., Herkenhoff, and Lowe.

Herlec Corporation, assignee: *See*—
Kodama, George T.

Herman, Daniel F.: *See*—
Wilder, Richard S., and Herman.

Herman, Denham, Berkeley, and R. E. Thorpe, Castro Valley, assignors to Shell Development Company, San Francisco, Calif. Extreme pressure lubricant. 2,599,761, June 10.

Herman, Dick R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Photographing a track or object longer than the camera field of view. 2,618,195, Nov. 18.

Herman, Harry, Brooklyn, N. Y. Rolling window screen. 2,580,776, Jan. 1.

Herman, Harry H., Denver, Colo. Converting air conditioning systems. 2,588,723, Mar. 11.

Herman, James H., Jr., assignor of one-quarter to C. Thornquist, Austin, Tex. Air conditioning means for motor vehicles. 2,614,478, Oct. 21.

Herman, Nathan L., Cleveland, Ohio, assignor to Poe Machine and Engineering Company, Inc., New Wilmington, Pa. Removable spacer. 2,613,571, Oct. 14.

Herman Pneumatic Machine Company, assignee: *See*—
Johnston, Loyal L.

Herman, Raymond J., assignor to Towmotor Corporation, Cleveland, Ohio. Skip dumping attachment. 2,606,680, Aug. 12.

Herman, Richard H., Lima, and O. G. Killian, Wapakoneta, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,623,967, Dec. 30.

Herman, Rudolph H., assignor of one-half to A. Popham, Jr., Kansas City, Mo. Lawn mower. 2,585,315, Feb. 12.

Herman, Sydney K., Toronto, Ontario, Canada. Ear pad for earpieces. 2,622,159, Dec. 16.

Heřmánek, Václav, Borovnicka, near Dvur Kralove, assignor of seventy-five per cent to Ceskoslovenske Textilni Zavody, Narodni Podnik, Prague, Czechoslovakia. Method and device for removing impurities by aspiration from rollers of carding machines. 2,585,776, Feb. 12.

Hermann, Arthur J., Brooklyn, N. Y. Paper fastener. 2,602,976, July 15.

Hermann, Eulalie M., assignee: *See*—
White, Felix L.

Hermann, Friedrich J., Delft, Netherlands. Phenolic compounds. 2,623,891, Dec. 30.

Hermann, Henry E., Moline, assignor to Bear Manufacturing Company, Rock Island, Ill. Electric circuit make and break device for detecting unbalance in rotating bodies. 2,604,558, July 22.

Hermann, Henry E., Moline, and R. S. Krause, Rock Island, assignors to Bear Manufacturing Company, Rock Island, Ill. Headlight tester. 2,604,003, July 22.

Hermann, Norman T., Eatontown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming dies. 2,623,417, Dec. 30.

Hermann, Thorens, Societe Anonyme, assignee: *See*—
Nicole, Amédée, and Thévenaz.

Hermanson, James S., Seattle, Wash. Device for clamping plumbers' snakes. 2,603,495, July 15.

Hermanson, Joseph L.: *See*—
Hermanson, William A. and J. L.

Hermanson, William A. and J. L., Brookline, Mass. Soft flexible pad. 2,622,051, Dec. 16.

Hermas Machine Company, The, assignee: *See*—
Rotherham, Walter S.

Hermitte, Louis A., and M. H. L. Sédille, assignors to Societe Rateau (Société Anonyme), and R. Anxionnaz, Paris, France. Multiple gas turbine power plant supplying waste heat to an air preheater and a boiler in parallel. 2,605,610, Aug. 5.

Hermonat, William A.: *See*—
Meyer, Albert W., and Hermonat.

Hermoplast Limited, assignee: *See*—
Eisler, Paul.

Hern, Carl, Whittier, Calif. Packer and slip assembly expanded by internal pressure. 2,584,448, Feb. 5.

Hernblad, Nils G.: *See*—
Walden, Lester M., and Hernblad.

Hernblad, Nils G., Long Island City, N. Y., assignor to American Type Founders, Inc. Collator. 2,599,829, June 10.

Herndon, Howard V., and R. G. Hoff, Richland, Wash., assignors to the United States of America as represented by the United States Atomic Energy Commission. Portable radiation survey instrument. 2,605,429, July 29.

Herndon, Julian, Leesburg, Fla. Shock absorbing means for power-driven hand tools. 2,611,960, Sept. 30.

Herndon, Walter B., assignor to General Motors Corporation, Detroit, Mich. Drive pickup mechanism. 2,606,461, Aug. 12.

Herndon, Walter B., Rochester, Mich., assignor to General Motors Corporation, Detroit, Mich. Variable-speed drive mechanism. 2,623,411, Dec. 30.

Herndon, Walter B., and A. Hardy, assignors to General Motors Corporation, Detroit, Mich. Transmission vibration dampener. 2,623,409, Dec. 30.

Herod, Fay R., assignee: *See*—
Herod, Ray H.

Herod, Lee M., assignee: *See*—
Marler, George O.

Herod, Ray H., Burbank, Calif., assignor of one-fourth to P. J. Hurley, Washington, D. C., one-half to F. R. Herod, Glendale, and one-fourth to J. H. Van Voorhees, Burbank, Calif. Tower ladder safety device. 2,616,609, Nov. 4.

Herold, Charles A., and B. Lee, New York, assignors to Paper Novelty Manufacturing Company, Inc., Brooklyn, N. Y. Convolnted ornament. 2,613,139, Oct. 7.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Ultra high-frequency bridge circuits. 2,594,167, Apr. 22.

Herold, Muriel, executrix: *See*—
Herold, Pete J.

Herold, Pete J., deceased, San Francisco, Calif.; Muriel Herold, executrix of Pete J. Herold. Variable angle target throwing apparatus. 2,603,203, July 15.

Heroux, Clarence B., and J. F. Wetzel, Little Falls, Minn. Fuel oil stove. 2,605,758, Aug. 5.

Herr, Benjamin F., assignor to Armstrong Cork Company, Lancaster, Pa. Safety device for conveyers or the like. 2,623,614, Dec. 30.

Herr, Donald L., assignor to Reeves Instrument Corporation, New York, N. Y. Electromagnetic resolver. 2,608,682, Aug. 26.

Herr, John A.: *See*—
Stevenson, Robert L., and Herr.

Herr, Milton E.: *See*—
Heyl, Frederick W., and Herr.

Herr, Richard F.: *See*—
Jacobson, Irvin D., and Herr.

Herrbach, Paul: *See*—
Drisch, Nicholas, and Herrbach.
Herrell, Robert L., Wichita Falls, Tex. Mechanism for shifting gears. 2,600,767, June 17.
Herrera, Juan H., Habana, Cuba. Pressure feeder device for infusion strainers. 2,598,377, May 27.
Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Piston. 2,581,326, Jan. 1.
Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Engine. 2,613,651, Oct. 14.
Herrgott, Xavier: *See*—
Colin, Jules, Burr, Friedrich, and Herrgott.
Herrick, George G., Benzinger Township, Elk County, assignor to Jeffers Electronics, Inc., Dubois, Pa. Electrical condenser. 2,606,955, Aug. 12.
Herrick, Homer K., Monrovia, Calif. Magnetic type one-way clutch. 2,583,843, Jan. 29.
Herrick, Percy H., Baltimore, Md., assignor to Products Manufacturing Co., Inc. Hubcap retainer. 2,601,017, June 17.
Herrick, Robert E., Brooklyn, N. Y. Album photo holder or mounting. 2,611,369, Sept. 23.
Herrick, Robert H., New York, N. Y. Garment hanger. 2,588,235, Mar. 4.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selective calling system. 2,591,937, Apr. 8.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay registering system. 2,600,648, June 17.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Single channel mobile telephone system. 2,616,032, Oct. 28.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Frequency signaling system. 2,617,872, Nov. 11.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Single channel, single frequency, mobile radio telephone system. 2,623,164, Dec. 23.
Herring-Hall-Marvin Safe Company, assignee: *See*—
Belew, Leland W.
Henkel, Harvey L.
Herring, Raymond L., Pataskala, Ohio. Milk examining pan. 2,582,432, Jan. 15.
Herring, Robert A., Jr.: *See*—
Varela, Arthur A., and Herring.
Herring, Wayland F., Calumet City, Ill. Typewriter support. 2,587,469, Feb. 26.
Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Rear axle arrangement for delivery trucks. 2,598,166, May 27.
Herrington, Bert L., deceased: by L. A. Herrington, administratrix, Klamath Falls, Oreg. Fish gaff. 2,589,612, Mar. 18.
Herrington, Lillie A., administratrix: *See*—
Herrington, Bert L.
Herrlinger, Paul W., assignor to The Gummed Products Company, Troy, Ohio. Device for testing gummed tape. 2,604,783, July 29.
Herrman, Donald D., and H. K. Monroe, assignors to Hartzell Propeller Fan Company, Piqua, Ohio. Reversible fan and delivery tube. 2,611,533, Sept. 23.
Herrmann, Albert E., Jr., East Greenbush, assignor to General Aniline & Film Corporation, New York, N. Y. Dustproofed organic color compounds. 2,604,469, July 22.
Herrmann, Carl V., Highland, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process for production of leaded ammonium chloride crystals. 2,591,067, Apr. 1.
Herrmann, Friedrich, Rorschach, assignor to Rigid Limited, Rorschacherberg, Switzerland. Chuck. 2,583,264, Jan. 22.
Herrmann, John F.: *See*—
Critoph, David L., Herrmann, and Wolford.
Herron, Wingo, Charlotte, N. C. Friction grip lug strap support. 2,593,754, Apr. 22.
Herron-Zimmers Moulding Company, assignee: *See*—
Bangerter, Fred.
Herrstrum, Rudolph E., assignor to Rockford Machine Tool Company, Rockford, Ill. Back-pressure valve for hydraulic machine tools. 2,590,769, Mar. 25.
Hersch, Herman, Cleveland Heights, Ohio, assignor of one-half to S. Hersch. Fuel distribution system. 2,599,915, June 10.
Hersch, Selma, assignee: *See*—
Hersch, Herman.
Herschede Hall Clock Company, assignee: *See*—
Woodruff, William N.
Hersey, Herbert S., assignor to The C. O. Bartlett & Snow Co., Cleveland, Ohio. Self-aligning belt idler. 2,609,084, Sept. 2.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reverting call circuits. 2,595,944, May 6.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cross-point switching mechanism. 2,604,542, July 22.
Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone calling line identification and recording system. 2,619,545, Nov. 25.
Hersey, Ralph E., Madison, N. J., and E. Vroom, Ossining, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call data recording telephone system. 2,594,923, Apr. 29.
Hersh, Joseph M.: *See*—
Moyer, Melvin L., and Hersh.
Hersh, Joseph M., New York, N. Y., assignor to Continental Oil Company, Ponca City, Okla. Siloxanes produced by hydrolysis of halogen substituted silacyclohydrocarbons. 2,615,033, Oct. 21.
Hershberg, Emanuel B.: *See*—
Fieser, Louis F., and Hershberg.
Rubin, Martin, Hershberg, and Schwenk.
Hershberg, Emanuel B., West Orange, N. J., and A. I. Ryer, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Condenser and condensing. 2,582,250, Jan. 15.
Hershberg, Emanuel B., Stoughton, Mass., and E. R. Coburn, Bennington, Vt., assignors to the United States of America as represented by the Secretary of War. Pyrotechnical device. 2,586,228, Feb. 19.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Stabilizing method and system utilizing nuclear precession. 2,589,494, Mar. 18.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Stabilization of frequency-modulated oscillators. 2,591,257, Apr. 1.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Frequency stabilization by molecularly resonant gases. 2,591,258, Apr. 1.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave spectroscopy. 2,602,835, July 8.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Method of and system for obtaining a standard low-frequency. 2,609,654, Sept. 9.
Hershey, Albert E.: *See*—
Way, Stewart, Hershey, and Boyd.
Hershey, Lester D., Gap, Pa. Apparatus for collecting and loading materials. 2,603,371, July 15.
Herst, Richard J., Chicago, and S. H. Petry, Evanston, Ill., assignors to E. O. Buehler, doing business as Buehler and Company. Electromagnetic clutch and brake servo mechanism. 2,594,775, Apr. 29.
Hertel, Fredrick, Jr.: *See*—
Schaub, Erwin L., and Hertel.
Hertenstein, Edgar W., Jr., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for guiding filaments. 2,588,525, Mar. 11.
Herter's, Inc., assignee: *See*—
Nicolin, Robert J.
Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal machine control organization. 2,596,927, May 13.
Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Self-equalizing brake. 2,623,615, Dec. 30.
Hertz, Alfred M., Flushing, N. Y. Toilet paper roll cover concealer and holder. 2,606,724, Aug. 12.
Hertz, David B.: *See*—
Piperoux, Rene P., Hertz, and Culpepper.
Hertz, Helmut, assignor to Superba Cravats, Inc., Rochester, N. Y. Necktie. 2,611,900, Sept. 30.
Hertz, Jorgen, Copenhagen, Denmark. Liquid control arrangement for washing machines. 2,582,543, Jan. 15.
Hertz, William A., Shaker Heights, Ohio. Lubricating device. 2,589,081, Mar. 11.
Hertzberg, H., & Son, Inc., assignee: *See*—
Hertzberg, Ira.
Hertzberg, William.
Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son, Inc., New York, N. Y. Holder for mops and other devices. 2,602,949, July 15.
Hertzberg, Meyer: *See*—
Jelaso, Abraham, Wexler, and Hertzberg.
Hertzberg, William, assignor to H. Hertzberg & Son, Inc., New York, N. Y. Combination comb and brush. 2,617,432, Nov. 11.
Hervert, George L.: *See*—
Mammen, Howard E., and Hervert.
Hervert, George L., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Laundry starch composition. 2,620,281, Dec. 2.
Hervert, George L., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Production of long chain olefinic hydrocarbons by polymerization. 2,622,113, Dec. 16.
Hervert, George L., Berwyn, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic compounds. 2,589,253, Mar. 18.
Hervey, David E., Old Fort, N. C., assignor to Hervey Foundation, Incorporated. Press platen for laminated material. 2,614,590, Oct. 21.
Hervey, David E., Old Fort, N. C., assignor to Hervey Foundation, Incorporated. Veneer clipper. 2,623,587, Dec. 30.
Hervey Foundation, Incorporated, assignee: *See*—
Hervey, David E.

Hervey, Laurence R. B.: *See*—
Stott, Louis L., and Hervey.
Herwald, Seymour W., Pittsburgh, and H. M. Watson, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Load regulating system. 2,624,015, Dec. 30.
Hery, Vincent D., Norwood, and B. L. Rich, assignors to The American Tool Works, Cincinnati, Ohio. Boxmaking machine. 2,618,207, Nov. 18.
Herz, Josephine D., Verona, N. J. Thread cutter device with finger support. 2,611,180, Sept. 23.
Herzberg, Jack G., Milwaukee, Wis. Apparatus for machining inclined ball seats. 2,619,878, Dec. 2.
Herzegh, Frank, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. 2,587,470, Feb. 26.
Herzegh, Frank, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire thump detection device. 2,618,971, Nov. 25.
Herzfeld, Simon H., and M. Kleiman, assignors to Velsicol Corporation, Chicago, Ill. Production of a new composition of matter. 2,583,569, Jan. 29.
Herzfeld, Simon H., R. E. Lidov, and H. Bluestone, assignors to Velsicol Corporation, Chicago, Ill. Diels-Alder adducts of hexahalocyclopentadiene. 2,606,910, Aug. 12.
Herzog, Adolph F.: *See*—
Lavelle, Thomas B., and Herzog.
Herzog, Carl, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material ejecting and feeding apparatus. 2,586,651, Feb. 19.
Herzog, Carl, Niederurnen, assignor to Eternit A.-G., Niederurnen, Glarus, Switzerland. Process and device for the manufacture of corrugated sheets of asbestos cement. 2,589,379, Mar. 18.
Herzog, Gerhard: *See*—
Lee, Burton D., and Herzog.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Locating casing collars in a well. 2,580,544, Jan. 1.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Geophysical exploration. 2,581,412, Jan. 8.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Determining proportions in compositions of substances. 2,613,325, Oct. 7.
Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Determining proportions in compositions of substances. 2,613,326, Oct. 7.
Herzog, Harold A., Mercer Island, and D. J. Gjesdahl, Seattle, Wash. Mechanism for applying rolled sheet material to vertical surfaces. 2,622,752, Dec. 23.
Herzog, Philip C.: *See*—
Schulte, Edward, and Herzog.
Herzog, Samuel, Rye, N. Y. Jointed doll. 2,618,896, Nov. 25.
Herzstark, Curt, Mauren, Leichtenstein, assignor to Contina Bureaux- und Rechenmaschinenfabrik A. G., Leichtenstein. Zeroizing mechanism. Re. 23,553, Sept. 30.
Herzstark, Curt, Mauren, Liechtenstein, assignor to "Contina" Buro-und Rechenmaschinenfabrik A. G., Mauren, Principality of Liechtenstein. Independent actuator tens-transfer mechanism. 2,588,835, Mar. 11.
Hesch, Bernadine, assignee: *See*—
Hesch, William, Sr.
Hesch, Frederick H., Spokane, Wash., assignor to The Permanente Metals Corporation, Oakland, Calif. Method and composition for treating aluminum and aluminum alloys. 2,593,447, Apr. 22.
Hesch, Frederick H., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation. Method and composition for treating aluminum and aluminum alloys. 2,593,448, Apr. 22.
Hesch, Frederick H., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Method and composition for treating aluminum and aluminum alloys. 2,593,449, Apr. 22.
Hesch, Frederick H., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Composition for treating aluminum and aluminum alloys. 2,620,265, Dec. 2.
Hesch, William, Sr., assignor to Bernadine Hesch, Santa Fe, N. Mex. Transmission-differential assembly. 2,609,703, Sept. 9.
Heslin, John J.: *See*—
Jones, Webster, and Heslin.
Hess, Alexander M., Jamaica, N. Y. Screw cap remover. 2,589,693, Mar. 18.
Hess, Alexander McD., New York, N. Y. Container. 2,607,509, Aug. 19.
Hess, Carl W., Superior, Wis. Curtain hanging means. 2,617,536, Nov. 11.
Hess, Charles, Yonkers, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Folding machine. 2,608,917, Sept. 2.
Hess, Clem H., assignor of fifty per cent to R. A. Bradley, Conway, Ark. Hygrometer. 2,593,755, Apr. 22.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Gas heater. 2,583,736, Jan. 29.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Billet heating furnace. 2,591,259, Apr. 1.
Hess, Frederic O., Germantown, assignor to Selas Corporation of America, Philadelphia, Pa. Method and apparatus for heating. 2,603,470, July 15.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Glass melting furnace. 2,618,906, Nov. 25.
Hess, Frederic O., Philadelphia, and J. Kniveton, Wyncote, assignors to Selas Corporation of America, Philadelphia, Pa. Apparatus for hardening rolls. 2,589,495, Mar. 18.
Hess, Frederic O., M. B. Tark, and E. R. Schofield, assignors to Selas Corporation of America, Philadelphia, Pa. Sewage treatment. 2,594,433, Apr. 29.
Hess, Frederic O., and K. W. Fleischer, assignors to Selas Corporation of America, Philadelphia, Pa. Split furnace and tube support. 2,606,536, Aug. 12.
Hess, Goerge R., Washington, D. C. Checking station for self-service. 2,596,686, May 13.
Hess, Harold A., Waynesboro, Pa. Sash corner joint. 2,587,471, Feb. 26.
Hess, Henry S., Los Angeles, assignor, by mesne assignments, to The Stuart Company, Pasadena, Calif. Separating crystalline amino acids mixtures from natural proteins. 2,605,284, July 29.
Hess, Howard V.: *See*—
Arnold, George B., Hess, and Skelton.
Bruner, Frank H., Hess, and Arnold.
Moore, Frank J., Hess, and Gould.
Hess, Howard V., Beacon, G. B. Arnold, Glenham, and J. K. Truitt, Beacon, assignors to The Texas Company, New York, N. Y. Separating normal aliphatic hydrocarbons from organic mixtures thereof. 2,589,380, Mar. 18.
Hess, Howard V., Beacon, G. B. Arnold, Glenham, N. Y., and M. L. Drabkin, Pittsburgh, Pa., assignors to The Texas Company, New York, N. Y. Vapor phase treatment of combined gasoline and water phases of synthesis product with a basic compound. 2,591,699, Apr. 8.
Hess, Howard V., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Isolating phenolic compounds from mixtures thereof. 2,618,664, Nov. 18.
Hess, Howard V., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Isolating phenolic compounds from mixtures thereof. 2,618,665, Nov. 18.
Hess, Howard V., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Isolating phenolic compounds. 2,618,666, Nov. 18.
Hess, Morris, New York, assignor of fifteen per cent to M. Kupfer, Bronx, N. Y. Juice extractor. 2,604,034, July 22.
Hess, Walter R.: *See*—
Jensen, Lloyd B., and Hess.
Hess, Werner G., Dearborn, assignor to The Murray Corporation of America, Detroit, Mich. Reinforced central tunnel for X-member of chassis frame. 2,609,217, Sept. 2.
Hesse, Adolf, assignor to Riley Stoker Corporation, Worcester, Mass. Method and apparatus for controlling material and fluid to rotatable drum pulverizers. 2,602,594, July 8.
Hesse, Alfred H., La Grange, Ill., assignor, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Producing age-hardened magnesium-base alloy. 2,622,049, Dec. 16.
Hesse, Frank, Hackensack, N. J. Sign holder and post therefor. 2,581,762, Jan. 8.
Hession, John W., Jr., Darien, Conn. Aerosol generator. 2,607,571, Aug. 19.
Hession, John W., Jr., Darien, Conn. Aerosol generator. 2,607,573, Aug. 19.
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Hession, John W., Jr., Darien, Conn. Aerosol generator. 2,607,575, Aug. 19.
Hession, John W., Jr., Darien, Conn. Mechanical aerosol generator. 2,607,743, Aug. 19.
Hessler, Henry P.: *See*—
Schulze, Richard B., Hessler, Davison and Winter.
Hessler, Herbert E., Portland, Oreg. Lumber stacker. 2,617,544, Nov. 11.
Hester, Edgar A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay control system. 2,605,309, July 29.
Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Logarithmic circuit. 2,582,831, Jan. 15.
Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Distortion compensating device for facsimile equipment. 2,587,617, Mar. 4.
Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Facsimile recorder. 2,592,567, Apr. 15.
Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Electronic synchronizing system. 2,593,450, Apr. 22.
Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Recorder amplifier with grounded positive and balanced input circuit. 2,609,442, Sept. 2.
Hester, Frank A., New York, and J. W. Smith, Whitestone, assignors to Faximile, Inc., New York, N. Y. Bucking current circuit for half-tone fidelity correction. 2,612,429, Sept. 30.
Hester, Stephen S., Chicago, Ill. Amusement ride. 2,601,832, July 1.

Heston, Eugene E., assignor to National Rubber Machinery Company, Akron, Ohio. Extruder. 2,595,455, May 6.
het Nationaal Luchtvaartlaboratorium, assignee: *See*—
Van Oosterom, Teunis.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Corn snapping and husking rolls. 2,584,204, Feb. 5.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Rocker bearing for running gears. 2,600,768, June 17.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Grain combine. 2,612,742, Oct. 7.
Hetland, Julius M., Fargo, N. Dak., assignor to the United States of America as represented by the Secretary of the Navy. Tunable plug-in assembly for high-frequency oscillators. 2,597,993, May 27.
Hettinger, Charles, West Englewood, N. J. Machine for making coffee rings. 2,591,546, Apr. 1.
Hettinger, Sidney V., Jr.: *See*—
Youngren Harold T., and Hettinger.
Hettling, Frederick E., assignee: *See*—
Dewan, Leon.
Hettrick Manufacturing Company, The, assignee: *See*—
Smith, Isidore P.
Wogomon, Donald G.
Hetzel, Henrietta E., assignee: *See*—
Smith, Harry E.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Polyvinyl aldehyde and polyvinyl acetate resins plasticized with 1,5-pentanediol difurorate. 2,606,167, Aug. 5.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Polyvinyl aldehyde and polyvinyl acetate resins plasticized with 1,5-pentanediol biscyclohexylacetate. 2,606,170, Aug. 5.
Hetzel, Stanford J., Cheltenham, assignor to Sun Oil Company, Philadelphia, Pa. Polyvinyl aldehyde and polyvinyl acetate resins plasticized with 1,5 pentanediol diesters of kerosene oxidation acids. 2,606,171, Aug. 5.
Heuer, Donald C.: *See*—
Heuer, Louis F., S. J., and D. C.
Heuer, Louis F., S. J., and D. C., Portland, Oreg. Clamp connector tool. 2,605,661, Aug. 5.
Heuer, Stanley J.: *See*—
Heuer, Louis F., S. J., and D. C.
Heumader, Otto, St. Joseph, Mo. Tappet wrench. 2,612,068, Sept. 30.
Heuse, Ralph O., Wilmington, and P. J. Wingate, Collins Park, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing crystal violet. 2,600,649, June 17.
Heusted, George B.: *See*—
Bauman, William C., and Heusted.
Heuver, Herbert M.: *See*—
Orlin, William J., Heuver, and Forrester.
Heuver, Herbert M., Dayton, Ohio. Cycloidal rotor for aircraft. 2,580,428, Jan. 1.
Heveran, Glenn E.: *See*—
Umbarger, James A., and Heveran.
Hevi Duty Electric Company, assignee: *See*—
Hauck, Aloysius J.
Koch, Harold E.
Sommers, Robert H., and Frank.
Hewes, Ralph W., assignor to General Railway Signal Company, Rochester, N. Y. Altimeter switch. 2,613,329, Oct. 7.
Hewett, James V.: *See*—
Bachman, Gustave B., and Hewett.
Hewett, Oscar C., Fort Worth, Tex. Switch actuator for model railroads. 2,591,152, Apr. 1.
Hewitson, Edward H., and J. A. McClintock, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing photographic emulsions. 2,618,556, Nov. 18.
Hewitt, Charles W., Heswall, England. Extractor device for pipe cleaners. 2,602,454, July 8.
Hewitt, Donald H.: *See*—
Wakeford, Leslie E., and Hewitt.
Hewitt, Donald H., deceased, and F. Armitage, London, England: E. Booth and R. H. Buckle, executors of said D. H. Hewitt, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of interpolymers of styrene with polyhydric alcoholic mixed esters and of coating compositions obtained therefrom. 2,586,652, Feb. 19.
Hewitt, Ellis E., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Protection means for fluid pressure systems. 2,604,900, July 29.
Hewitt, Ellis E., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Control apparatus. 2,608,281, Aug. 26.
Hewitt, Frank P.: *See*—
Medill, Edward C., and Hewitt.
Hewitt, George W.: *See*—
Penney, Gaylord W., and Hewitt.
Swiss, Jack, and Hewitt.
Hewitt, John: *See*—
Spencer, Arthur, and Hewitt.
Hewitt, John C., Jr., Long Beach, Calif. Battery energized well instrument. 2,622,339, Dec. 23.
Hewitt, William B.: *See*—
Miller, Earle C., and Hewitt.
Hewitt, William H., Jr., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide attenuator. 2,602,857, July 8.
Hewlett, Clarence W., Jr., New York, N. Y., assignor to General Electric Company. Saturable core direct current to alternating current converter. 2,585,654, Feb. 12.
Hewlett-Packard Company, assignee: *See*—
Hewlett, William R.
Noe, Jerre D.
Packard, David, and Schrock.
Hewlett, Robert H., Pittsburgh, Pa. Fishing reel. 2,580,777, Jan. 1.
Hewlett, William R., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Modified Wien-bridge oscillator. 2,583,649, Jan. 29.
Hewlett, William R., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Modified Wien-bridge oscillator. 2,583,943, Jan. 29.
Hewson Manufacturing Company Limited, The, assignee: *See*—
Oyston, William R.
Hewton, William R.: *See*—
Keen, William R., and Hewton.
Hexdall, Andrew M., Morris, Ill. Sheet metalworking hammer. 2,606,468, Aug. 12.
Hexel, Leopold J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Suspension. 2,606,021, Aug. 5.
Hexter, Joseph, and W. E. Lanham, assignors to Columbia Baking Company, Atlanta, Ga. Bandcutter sharpening machine. 2,580,778, Jan. 1.
Hexter, Paul L., assignor to The Arco Company, Cleveland, Ohio. Paint dispensing tray. 2,599,830, June 10.
Hey, Geoffrey L.: *See*—
Hopf, Peter P., and Hey.
Heyck, Theodore R.: *See*—
Johnson, Curtiss D., and Heyck.
Heyden Chemical Corporation, assignee: *See*—
Barth, Robert H.
Broadman, Arthur R.
Burrell, Harry, and Barth.
Deinet, Adolph J.
Noebels, Henry J.
Heyden Pharmacal Company, assignee: *See*—
Ledrut, Jules H. T.
Heyder, George W., Winfield Park, N. J. Combined paint scraper and flame guard. 2,618,004, Nov. 18.
Heyer, Eric H., Los Angeles, and E. Z. Walters, North Hollywood, Calif. Photographic processing apparatus. 2,580,779, Jan. 1.
Heyer, Eric H., Los Angeles, Calif. Drive for photographic material. 2,590,699, Mar. 25.
Heyer, Eric H., Los Angeles, and E. Elston, Beverly Hills, Calif. Camera and money container. 2,612,092, Sept. 30.
Heyl, Frederick W.: *See*—
Spero, George B., Levin, and Heyl.
Heyl, Frederick W., and M. E. Herr, assignors to The Upjohn Company, Kalamazoo, Mich. Partial synthesis of progesterone. 2,601,287, June 24.
Heyl, Frederick W., Kalamazoo, Mich., and A. P. Centolella, Elkhart, Ind., assignors to The Upjohn Company, Kalamazoo, Mich. 3-substituted-5-ternorcholenyl formaldehydes. 2,623,052, Dec. 23.
Heyl & Patterson, Inc., assignee: *See*—
Criner, Harry E.
Heyl, Richard E., Palo Alto, and E. R. Nett, Oakland, Calif., assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Blending of viscous liquids. 2,601,018, June 17.
Heyl, Russell G., Jr., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Unitary body frame construction. 2,613,986, Oct. 14.
Heym, Lothar S.: *See*—
Rodder, William, Strock, and Heym.
Heyman, Moses D., Woodmere, N. Y. Mica splitting apparatus. 2,612,889, Oct. 7.
Heyman, Wilbert A., Lawrence, N. Y. Package coffee drink. 2,620,276, Dec. 2.
Heymers, Adolph C., Kittanning, Pa. Press for crushing cans. 2,603,271, July 15.
Heynau, Hans F., Hollywood, Calif. Power transmission unit. 2,611,276, Sept. 23.
Heyne, William O., Epsom, assignor of one-half to T. J. Brooks (Autos) Limited, Leicester, England. Electrical stop motion for knitting machines. 2,594,168, Apr. 22.
Heyroth, Albert H., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory articles and making. 2,614,947, Oct. 21.
Heys, Ralph C., Sheffield, England, assignor to Beloit Iron Works, Beloit, Wis. Papermaking machine. 2,618,205, Nov. 18.
Heywood, Harold L.: *See*—
Armitage, Joseph B., and Heywood.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Vacuum gravity press. 2,600,164, June 10.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Dry or pressure-sealing envelope. 2,601,946, July 1.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Drier mechanism for envelope machines. 2,604,829, July 29.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Closure flap folding and envelope stacking mechanism for envelope machines. 2,612,088, Sept. 30.
Heywood-Wakefield Company, assignee: *See*—
Hendrickson, Severine B.
Larsen, Lewis, and Eckert.
Mayer, John J.
Owler, Robert N.
Hesler, Julius, Jr., assignor to The Studebaker Corporation, South Bend, Ind. Control means for heaters. 2,605,688, Aug. 5.
Hiatt, Gordon D., and R. F. Williams, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilized lower fatty acid ester of cellulose. 2,614,941, Oct. 21.
Hiatt, Robert C., Hillsboro, Oreg. Nut picking and separating machine. 2,594,776, Apr. 29.
Hibbard, Frank H.: *See*—
Hasley, Andrew D., and Hibbard.
Hibbard, Frank H., Mountain Lakes, N. J. Oil burner safety control system. 2,581,188, Jan. 1.
Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unbalanced tap-changing on rectifier locomotives. 2,597,100, May 20.
Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for electrically-operated vehicles. 2,611,117, Sept. 16.
Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Static phase balancer. 2,616,071, Oct. 28.
Hibbard, Lloyd J., L. A. Casanova, and R. A. Buchanan, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,594,017, Apr. 22.
Hibbard, Roger W., Quincy, assignor of thirty-five per cent to E. Tellbuescher, Quincy, and forty per cent to E. Siegfried, Carthage, Ill. Rotary internal-combustion engine. 2,612,879, Oct. 7.
Hibberd, Robert G.: *See*—
Kinman, Thomas H., Hibberd, and Hayward.
Hibbs, Charlie C., Bismarck, N. Dak. Root and gum stimulator. 2,618,801, Nov. 25.
Hibner, De L. E., Du Bois, Pa., assignor, by mesne assignments, to Continental Foundry & Machine Company, East Chicago, Ind. Valve mechanism for soot blowers. 2,586,165, Feb. 19.
Hibshman, Henry J.: *See*—
Abeel, Alan C., Jr., and Hibshman.
Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Separating normal paraffins from isoparaffins by a solid adsorption process. 2,620,363, Dec. 2.
Hick, Harry J., St. Cloud, Fla., assignor to J. V. Abblett, Alliance, Ohio. Stand for reels. 2,601,960, July 1.
Hickam, William M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-vacuum seal. 2,624,008, Dec. 30.
Hickernell, Ralph C., assignor to Kopper Kraft Industries, Inc., Meadville, Pa. Layout device. 2,594,648, Apr. 29.
Hickey, Frank D.: *See*—
Whitmore, Robert A., and Hickey.
Hickey, Henry J., Wollaston, Mass. Counter bin construction. 2,589,082, Mar. 11.
Hickey, John J., Belleville, N. J. Playing card receiving, holding, and displaying device. 2,619,350, Nov. 25.
Hickey, Richard J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of riboflavin. 2,605,210, July 29.
Hickey, Richard J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of penicillin. 2,615,830, Oct. 28.
Hickin, Robert J., Rittman, Ohio. Partition assembling machine. 2,594,924, Apr. 29.
Hickin, Robert J., assignor to The Ohio Boxboard Company, Rittman, Ohio. Carton folding mechanism. 2,608,916, Sept. 2.
Hickin, Robert J., assignor to The Ohio Boxboard Company, Rittman, Ohio. Packaging method and means. 2,615,289, Oct. 28.
Hickin, Robert J., and G. H. Steele, assignors to The Ohio Boxboard Company, Rittman, Ohio. Carton erecting machine. 2,604,827, July 29.
Hickler, Walter R., Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Briefcase and making same. 2,581,763, Jan. 8.
Hickling, Ernest H., London, F. Cheffings, and W. Butlin, Greenford, England. Door for vehicles. 2,604,162, July 22.
Hickling, Ernest H., London, F. Cheffings, and W. Butlin, Greenford, assignors to Normand Limited, London, England. Door for vehicles. 2,615,514, Oct. 28.
Hickling, Frederick O., West Bridgford, assignor to Ransome and Marles Bearing Company Limited, Newark-on-Trent, England. Roller bearing. 2,606,798, Aug. 12.
Hickling, Frederick O., West Bridgford, Nottingham, assignor to Ransome and Marles Bearing Company, Limited, Nottingham, England. Grease shield for antifriction bearings. 2,613,090, Oct. 7.
Hickling, Frederick O., West Bridgford, Nottingham, assignor to Ransome and Marles Bearing Company, Limited, Nottingham, England. Antifriction bearing. 2,621,091, Dec. 9.
Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Resilient seat suspension. 2,590,859, Apr. 1.
Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Tandem axle spring suspension. 2,623,757, Dec. 30.
Hickman, Clarence N.: *See*—
Bradford, Elliot B., Africano, and Hickman.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Nozzle for rocket motors. 2,583,570, Jan. 29.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Replaceable firing pin for mortars. 2,586,229, Feb. 19.
Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,589,806, Mar. 18.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Recoilless gun. 2,598,256, May 27.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Trap for rocket propellent. 2,605,607, Aug. 5.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Mortar charge. 2,620,732, Dec. 9.
Hickman, Clarence N., Jackson Heights, R. F. Mallina, Hastings on Hudson, and F. Reck, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire connecting tool. 2,585,010, Feb. 12.
Hickman, Darold B., North Attleboro, Mass. Slide holder for neckties. 2,594,169, Apr. 22.
Hickman, Ella, New Orleans, La. Sheet slip. 2,623,221, Dec. 30.
Hickman Industries, Inc., assignee: *See*—
Hickman, Albert F.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Fractional distillation process and apparatus. 2,609,335, Sept. 2.
Hickman, Kenneth C. D., and E. S. Barnitz, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum bodying process. 2,599,451, June 3.
Hickok Manufacturing Co. Inc., assignee: *See*—
Federico, Joseph B.
Meeker, William H.
Mix, Edwin S.
Whitehouse, John R., and Valsey.
Hickok Manufacturing Company, Inc., assignee: *See*—
Brady, Francis A.
Epstein, Max.
Linehan, Albert C.
Lipp, William.
Meeker, William H.
Valsey, Harold C., and Meeker.
Whitehouse, John R.
Hicks, Arthur G.: *See*—
Hicks, Maxwell K. and A. G.
Hicks, Burton G., South Easton, Mass. Pocket handkerchief. 2,592,033, Apr. 8.
Hicks, Hadley H., Bisbee, Ariz. Dental appliance. 2,595,850, May 6.
Hicks, Harold E., Webster Groves, Mo., assignor to Gemco Shaper Company. Shaping machine mechanism. 2,599,388, June 3.
Hicks, Harry A., Greenwich, Conn., and W. W. Landsiedel, Elmira, assignors to Remington Rand Inc., New York, N. Y. Transparent tear bar and indicator. 2,616,365, Nov. 4.
Hicks, James M., Sausalito, and M. Zolezzi, San Francisco, Calif., assignors to El Rey Venetian Blind Company. Ventilator blind construction. 2,618,331, Nov. 18.
Hicks, Marvin R., San Diego, Calif. Inside micrometer. 2,606,370, Aug. 12.
Hicks, Maxwell K. and A. G., Denver, Colo. Latch for slidable side jaw wrenches. 2,582,591, Jan. 15.
Hicks, Nell S., Decatur, Ga. Curtain. 2,584,205, Feb. 5.
Hicks, Robert R., Toronto, Ontario, Canada. Cribbage scorekeeper. 2,587,618, Mar. 4.
Hicks, Russell, Los Angeles, Calif. Vertically adjustable table. 2,581,658, Jan. 8.
Hicks, Russell S., executor: *See*—
Julius, Awdry F. and G. A.
Hicks, Seymour G., assignor to Rotary Lift Company, Memphis, Tenn. Single rail elevator guide equalizer. 2,586,464, Feb. 19.
Hicks, Thomas L., Toronto, Ontario, Canada. Ventilated insole. 2,604,707, July 29.
Hicks, William W., assignor to Ionics, Inc., San Francisco, Calif. Ion controller. 2,589,613, Mar. 18.
Hicks, William W., assignor to Ionics, Inc., San Francisco, Calif. Ion controller. 2,594,777, Apr. 29.
Hieger, Robert H., Detroit, Mich. Carburetor economizer mechanism. 2,600,650, June 17.

Hieger, Robert H., Detroit, Mich. Economizer mechanism for carburetors. 2,617,640, Nov. 11.

Hiehle, Michael E., Syracuse, N. Y., assignor to General Electric Company. Diplex antenna feed system. 2,583,773, Jan. 29.

Hiensch, Johannes N., Eindhoven, Netherlands. Destroying patterns. 2,583,533, Jan. 29.

Hiertz, Arthur J., Milford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Sink drain device. 2,617,997, Nov. 18.

Hieserman, Clarence E., Cumberland, Md., assignor to Celanese Corporation of America. Brominating 1-amino-2-sulfoanthraquinone. 2,590,247, Mar. 25.

Hieserman, Clarence E., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Diphenylamine dyestuffs. 2,595,359, May 6.

Higbee, William W., Xenia, Ohio. Jet engine container. 2,613,807, Oct. 14.

Higbie, Alan L., Walled Lake, assignor to Chrysler Corporation, Highland Park, Mich. Door seal construction. 2,603,528, July 15.

Higbie, Alan L., Walled Lake, and C. A. Stamm, Royal Oak, assignors to Chrysler Corporation, Highland Park, Mich. Door seal construction. 2,588,628, Mar. 11.

Higbie, Howard E., Pittsburgh, Pa., assignor to the United States of America as represented by the Secrtary of the Army. Extrusion die for solventless powder. 2,597,638, May 20.

Higgens, Cecil C., Doncaster, England. Lubricating system and/or apparatus. 2,622,697, Dec. 23.

Higginbotham, Robert J., Charlotte, N. C. Calendar rack. 2,588,236, Mar. 4.

Higginbotham, Robert J., Charlotte, N. C. Braking mechanism for lap winding apparatus. 2,594,925, Apr. 29.

Higginbottom, William E., Newark, N. J., assignor to Benjamin C. Betner Company, Devon, Pa. Opening bags. 2,582,381, Jan. 15.

Higgins, Eric, Punchetts, Tewin Wood, England. Production of launderable semistiff fabrics or articles of wearing apparel. 2,603,582, July 15.

Higgins, James: *See*—
Latta, Marvin, and Higgins.

Higgins, John, and N. Fiorella, assignors to Illini Whipper Co., Chicago, Ill. Machine for whipping candy batches. 2,589,381, Mar. 18.

Higgins, Laurence R., Yakima, Wash. Grinding and sharpening machine. 2,615,354, Oct. 28.

Higgins, Ralph O.: *See*—
Pardue, Elbert M., and Higgins.

Higgins, Ralph V., San Francisco, Calif. Automatic sprinkling device. 2,611,643, Sept. 23.

Higginson, John, assignor to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada. Seed mechanism for grain drills. 2,599,452, June 3.

Higgs, George W., London, England. Oxygen tent or like enclosure. 2,600,501, June 17.

High, Carl F., Detroit, Mich., assignor, by mesne assignments, to American Bosch Corporation, Springfield, Mass. Fuel injection pump. 2,592,281, Apr. 8.

Highberg, Georgei A., West Hartford, assignor to The Whiton Machine Company, New London, Conn. Chuck. 2,612,378, Sept. 30.

Highet, Hugh C., and F. E. Salt, Banstead, and H. M. Stanley, Tadworth, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Thermal polymerization of alpha methyl styrenes. 2,595,581, May 6.

Highet, Hugh C. and F. E. Salt, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of methyl lactate. 2,610,206, Sept. 9.

Highfill, William D., assignee: *See*—
Haslett, Martin M.

Highley, Wenford E.: *See*—
Hollembeak, Ruluff A., Highley, and Smith.

High-Pressure Components Limited, assignee: *See*—
Williams, John C.

High Seas Tuna Packing Co., Inc., assignee: *See*—
Prickett, Wilber W.

Hight, James L., Dayton, Ohio. Automatic load releasing device for parachutes. 2,616,748, Nov. 4.

Hightower, Ernest L., assignee: *See*—
Cater, Roy M.

High Voltage Engineering Corporation, assignee: *See*—
Burrill, Ernest A., and Smith.
Robinson, Denis M.

Highway Trailer Company, assignee: *See*—
Connors, George H.

Highwood, William, Cincinnati, Ohio. Tank clamp support holder. 2,615,238, Oct. 28.

Higinbotham, William A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical integration circuit. 2,589,807, Mar. 18.

Higinbotham, William A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse generator circuit. 2,597,322, May 20.

Higley, Frank R., Cleveland Heights, Ohio. Fruit juice extractor. 2,623,561, Dec. 30.

Higley, Willard S., W. J. Zimmerschied, and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Removing inhibitors for urea adduct formation. 2,606,214, Aug. 5.

Hilberath, Friedrich: *See*—
Peukert, Ernst, and Hilberath.

Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Short turning hitch. 2,603,502, July 15.

Hilborn, Howard D., and W. D. Walters, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Crown block. 2,601,611, June 24.

Hilburn, Earl D., Silver Spring, Md. Plural camera television transmitter with electronic wipeout control. 2,613,263, Oct. 7.

Hilchey, Eugene L., Los Angeles, Calif. Studio background. 2,591,068, Apr. 1.

Hild, Henry F., Merion Park, assignor to Proctor Electric Company, Philadelphia, Pa. Thermostatic switch. 2,584,016, Jan. 29.

Hild, Mark W., Jr.: *See*—
Hild, Mark W., Sr., and M. W. Hild, Jr.

Hild, Mark W., Sr., Stockton, and M. W. Hild, Jr., Los Angeles, Calif. Elevator. 2,619,239, Nov. 25.

Hildabolt, John M.: *See*—
Doelker, William J., Jr., and Hildabolt.

Hildebrand, William L., assignee: *See*—
Jackson, Harold F.

Hildebrandt, Alexander B.: *See*—
Boucher, Frank G., and Hildebrandt.

Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Use of a flexible sleeve in the cementation of boreholes. 2,607,423, Aug. 19.

Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Inclinometer for boreholes. 2,614,334, Oct. 21.

Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. True dip determining apparatus for well logging. 2,615,248, Oct. 28.

Hildebrandt, Alexander B., and L. W. Ledgerwood, Jr., Tulsa, Okla., assignors to Standard Oil Development Company. Well logging apparent dip determining apparatus. 2,592,422, Apr. 8.

Hildebrandt, Henry, assignee: *See*—
Haumann, Joseph.
Heide, Harold R. E.

Hildebrandt, Karl W., Hamburg, Germany, assignor to Superior Sugar Extraction, Inc., New York, N. Y. Diffusion apparatus. 2,602,761, July 8.

Hildestad, Harold L., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selective control of fuel nozzle manifolds to vary discharge flow capacity. 2,617,478, Nov. 11.

Hildred, Albertis P., Platteville, Colo. Fluid pressure actuated tire-changing device with circumferentially distributed thrust members. 2,595,258, May 6.

Hildreth, William A., assignor to W. H. Hurlin, Antrim, N. H. Combination hinge and latch for playpens. 2,597,639, May 20.

Hildreth, Ernest L., Los Angeles, Calif. Investing machine. 2,606,347, Aug. 12.

Hildyard, Joseph M., United States Army, Arlington County, Va. Liquid level indicating apparatus. 2,584,128, Feb. 5.

Hilferty, Daniel J., deceased, late of Riverdale, Md., by E. M. Hilferty, executrix, Riverdale, Md. Electrical waveform generator. 2,596,149, May 13.

Hilferty, Daniel J., Swarthmore, Pa. Tiltable garbage container and elevated support for same. 2,622,832, Dec. 23.

Hilferty, Ethel M., executrix: *See*—
Hilferty, Daniel J.

Hilfiker, Everett S., assignor to Swift & Company, Chicago, Ill. Truck body step. 2,604,335, July 22.

Hilger & Watts, Limited, assignee: *See*—
Schwarz, Ernst.

Hilker, Raymond C., Cincinnati, Ohio. Refrigerated case. 2,612,761, Oct. 7.

Hill Acme Company, The, Acme Machinery Division, assignee: *See*—
Girz, Adolph.

Hill, Archie: *See*—
Underwood, Julius E., and Hill.

Hill, Arthur J., and J. T. Maynard, Wilmington, Del., assignors to American Cyanamid Company, New York, N. Y. Aminoesters of N-substituted pyrrolidine 2,5-dicarboxylic acids. 2,596,099, May 13.

Hill, Bancroft, Baltimore, Md. Feeding appliance. 2,608,072, Aug. 26.

Hill, Bancroft, Baltimore, Md. Therapeutic aid. 2,608,073, Aug. 26.

Hill, Bernard L.: *See*—
Field, Edmund, and Hill.

Hill, Bertram C., Washington, D. C., and R. R. Stone, United States Navy. Electrical testing apparatus. 2,609,509, Sept. 2.

Hill Bros. Chemical Co., assignee: *See*—
Hill, Charles B.

Hill, Charles, Reno, Nev. Matchbook mirror and safety guard. 2,620,920, Dec. 9.

Hill, Charles B., assignor to Hill Bros. Chemical Co., Los Angeles, Calif. Testing refrigerating brines. 2,604,381, July 22.

Hill, Charles C., Ypsilanti, Mich. Cultivator tool clamp. 2,607,278, Aug. 19.

Hill, David C.: *See*—
Hayman, Richard L., Driskel, and Hill.

Hill, Donald M.: *See*—
Loughlin, William D., and Hill.

Hill, Donald W., assignor to Crown Cork Specialty Corporation, Decatur, Ill. Container. 2,606,586, Aug. 12.

Hill, Donald W., assignor to Crown Cork Specialty Corporation, Decatur, Ill. Plastic cover for waxed paper containers. 2,623,685, Dec. 30.

Hill, Earl J., Bahama, N. C. Toilet paper holder. 2,582,036, Jan. 8.

Hill, Edmund W., Belgrade Lakes, Maine. Ball cock. 2,601,139, June 17.

Hill, Edward D., Cleveland, Ohio. Roller of animal glue. 2,598,167, May 27.

Hill, Edward F., Ridgewood, N. J. Sealed edge slitting machine. 2,596,400, May 13.

Hill, Edward G.: *See*—
Ingres, Jeannot G., and Hill.

Hill, Francis A., 2nd: *See*—
Hill, Myron F. and F. A.

Hill, Frank M., Walpole, and J. W. Goff, Taunton, Mass., assignors, by mesne assignments, to Harris-Seybold Company, Cleveland, Ohio. Paper-cutting machine. 2,607,420, Aug. 19.

Hill, George B.: *See*—
McClellen, Marcus E., Cheatum, and Hill.

Hill, George B., New Holland, Pa., assignor to New Holland Machine Division of The Sperry Corporation, New York, N. Y. Side rake pitch control means. 2,595,788, May 6.

Hill, George B., assignor to The New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Side rake spring tooth. 2,607,182, Aug. 19.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Slack puller for bale tiers. 2,589,083, Mar. 11.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Safety device for withdrawing needles from bale cases. 2,604,844, July 29.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Discharge end contracting device for balers. 2,608,153, Aug. 26.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Baling press. 2,622,508, Dec. 23.

Hill, George B., and J. R. West, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Angularly adjustable pivot joint. 2,606,047, Aug. 5.

Hill, George B., and L. G. Cheatum, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Blower type conveyer. 2,608,445, Aug. 26.

Hill, George B., and J. R. West, assignors to New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Silage blower with auger feed table. 2,616,765, Nov. 4.

Hill, George S., North East, Pa., assignor to General Electric Company. Magnetic gasket for cabinets. 2,603,843, July 22.

Hill, Gladys W., executrix: *See*—
Peckham, Stockman C.

Hill, Glenn, assignor to I. A. Brock, Los Angeles, Calif. Extension for bed rails. 2,582,035, Jan. 8.

Hill, Gooch: *See*—
Bearer, Louis C., and Hill.

Hill, Hardin F., Columbia, Tenn., assignor to International Minerals & Chemical Corporation. Feeder for solid materials. 2,590,968, Apr. 1.

Hill, Harold: *See*—
Howell, William N., and Hill.

Hill, Harold, New York, N. Y. Air circulating device. 2,616,617, Nov. 4.

Hill, Harold S.: *See*—
Coghill, James T., and Hill.

Hill, Harold S., Lockport, N. Y. Method and apparatus for pretreating liquid fuel. 2,592,568, Apr. 15.

Hill, Harry W.: *See*—
Groat, Francis P., and Hill.

Hill, Henry E., Livingston, N. J., and D. B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse sender with relay distributor. 2,598,695, June 3.

Hill, Hillary L., Detroit, Mich., assignor to A. S. Campbell Co., Inc., Boston, Mass. Control mechanism for automobile windows and the like. 2,595,580, May 6.

Hill, Howard W., Concord, Calif., assignor to The Dow Chemical Company, Midland, Mich. Pneumatic conveyer and feeder for loose solids. 2,623,793, Dec. 30.

Hill, Howard W., Des Moines, Iowa. Fence stapling tool. 2,622,634, Dec. 23.

Hill, Howard W., Concord, and E. L. Dance, Pittsburg, Calif., assignors to The Dow Chemical Company, Midland, Mich. Dehydrochlorination of polychloroethanes. 2,593,451, Apr. 22.

Hill, Hubert M.: *See*—
Towne, Edmund B., and Hill.

Hill, Hugh F., Fall River, Mass. Humidifier head. 2,596,687, May 13.

Hill, John E., assignee: *See*—
Hill, Norman C. and J. E.

Hill, John J., South Pasadena, Calif. Device for use in the stropping of safety razor blades. 2,601,523, June 24.

Hill, John L.: *See*—
Cohen, Arnold A., Hill, and Kalb.

Hill, John W., Palisades, N. Y. Hole locating device. 2,591,814, Apr. 8.

Hill, Joseph B., Wynnewood, Pa., and S. W. Ferris, Mount Holly, N. J., assignors to Sun Oil Company, Philadelphia, Pa. Wax product and preparing the same. 2,598,257, May 27.

Hill, Joshua A., Canoga Park, Calif. Egg grading machine. 2,585,124, Feb. 12.

Hill, Julian W.: *See*—
Hatchard, William R., and Hill.

Hill, Kearney H., Pawnee, Okla. Animal trap. 2,602,259, July 8.

Hill, Lawrence R., Pittsburgh, Pa., and J. A. Campbell, Lawson, Mo., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulating electrical apparatus. 2,611,930, Sept. 30.

Hill, Mark L.: *See*—
Smith, Herschel G., Cantrell, and Hill.

Hill, Max W., Somerville, N. J., assignor to Standard Oil Development Company. Product of reaction of phosphorus sulfide, and hydrocarbon, with guanidine carbonate. 2,613,205, Oct. 7.

Hill, Myron F., Westport, Conn. Lubricating pump for engines. 2,601,288, June 24.

Hill, Myron F., and F. A. Hill, 2nd, Westport, Conn. Rotary fluid displacement device. 2,601,397, June 24.

Hill, N. N., Brass Company, The, assignee: *See*—
Bessell, Howard W.

Hill, Noel C., Williamsburg, Ky. Bored casting handling device. 2,610,082, Sept. 9.

Hill, Norman C. and J. E., Akron, Ohio; said J. E. Hill assignor to said N. C. Hill. Apparatus for the manufacture of glue and gelatine. 2,619,413, Nov. 25.

Hill, Oiva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,599,992, June 10.

Hill, Oiva E., West Boylston, assignor Norton Company, Worcester, Mass. Car wheel grinding machine. 2,605,591, Aug. 5.

Hill, Oiva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,618,909, Nov. 25.

Hill, Oiva E., assignor to Norton Company, Worcester, Mass. Centerless grinding machine. 2,597,242, May 20.

Hill, Ralph H., Flint, Mich. Fluid pressure clutch-actuating means for motor vehicles. 2,590,012, Mar. 18.

Hill, Raymond A., San Marino, Calif. Spillway gate. 2,617,263, Nov. 11.

Hill, Robert F., assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Flap positioning control system. 2,609,165, Sept. 2.

Hill, Robert H., assignor to The Marison Company, Elgin, Ill. Safety device. 2,620,090, Dec. 2.

Hill, Robert H., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Air compressor. 2,605,044, July 29.

Hill, Robert H., and B. W. Foss, assignors to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Resetting mechanism for gasoline dispensing pumps. 2,595,259, May 6.

Hill, Robert J., Worcester Park, England. Apparatus for recording movement. 2,598,541, May 27.

Hill, Rolo D., Los Angeles, Calif. Chair with flexible seat. 2,581,793, Jan. 8.

Hill, Roscoe L.: *See*—
Proulx, Leonard E., and Hill.

Hill, Rutherford B., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanization of rubber. 2,591,547, Apr. 1.

Hill-Shaw Company, assignee: *See*—
Perlman, Henry S.

Hill, Stanley: *See*—
Collard, John, and Hill.

Hill, Stanley E.: *See*—
Anderson, Floyd W., and Hill.

Hill, Stanley E., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Combination drawbar and support. 2,580,545, Jan. 1.

Hill, Stanley E., Kankakee, and W. L. Zink, Plano, assignors to Sears, Roebuck and Co., Chicago, Ill. Hydraulic lift for vehicles. 2,599,993, June 10.

Hill, Stewart M.: *See*—
Hall, Rolland G., and Hill.

Hill, Thomas C., Aberdeen, assignor to The Glenn L. Martin Company, Middle River, Md. Variable ratio booster control system. 2,596,242, May 13.

Hill, Walter E.: *See*—
Besag, Ernst, Hill, and Wintle.

Hill, Walter P., Pontiac, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Producing heat exchange elements. 2,586,653, Feb. 19.

Hill, Walter P., Pontiac, assignor to Calumet & Hecla Consolidated Copper Company, Calumet, Mich. Manufacturing forming rolls. 2,610,452, Sept. 16.

Hill, William H., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Pickling inhibitor. 2,586,331, Feb. 19.

Hill, William H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Cleaning and pickling composition for metals. 2,606,155, Aug. 5.

Hill, William H., Pittsburgh, Pa., and D. K. Shipley, Baltimore, Md., assignors to Koppers Company, Inc., Pittsburgh, Pa. Pickling bath for metals. 2,596,150, May 13.

Hill, William H., Mount Lebanon, Pa., and J. H. F. Veltman, Long Valley, N. J., assignors to Koppers Company, Inc., Pittsburgh, Pa. Treatment of thiocyanate containing solutions for the removal of thiosulfates. 2,621,108, Dec. 9.

Hill, William J., Mount Lebanon, Pa., and C. C. Wales, Lorain, Ohio, assignors to United States Steel Company. Vertical bar and billet mill. 2,583,844, Jan. 29.

Hill, William R., Dandridge, Tenn. Bubble shooter. 2,606,396, Aug. 12.

Hillenbrand, William A., Franklin County, and F. J. Burst, assignors to Hill-Rom Company, Inc., Batesville, Ind. Bedside cabinet. 2,584,089, Jan. 29.

Hiller, Erwin J., Cuero, Tex. Container for feeding suckling calves. 2,613,642, Oct. 14.

Hiller Helicopters, assignee: *See*—
Hiller, Stanley, Jr., and Wagner.

Hiller, Stanley, Jr., Menlo Park, and R. A. Wagner, Playa Del Ray, assignors to Hiller Helicopters, San Mateo County, Calif. Crop dusting equipment. 2,597,323, May 20.

Hillery, Arthur M., Jr., Hartford, Conn., assignor to Emhart Manufacturing Company. Optically determining relative thickness of surface coatings on glass articles and the like. 2,584,583, Feb. 5.

Hillesheim, Philip N., St. Thomas, Ontario, Canada. Parachute connector link. 2,594,018, Apr. 22.

Hillgren, Carl A., Los Angeles, Calif. Latch. 2,605,124, July 29.

Hilliard, Robert S., assignee: *See*—
Olson, Clarence A.

Hilliard, Thomas H., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Apparatus for treating fabrics in continuous lengths with liquids. 2,591,815, Apr. 8.

Hilliard, Thomas H., Drummondville, Quebec, Canada, assignor to Canadian Celanese Limited. Textile material. 2,616,278, Nov. 4.

Hilliard, Thomas H., Drummondville, Quebec, assignor to Canadian Celanese Limited, Montreal, Quebec, Canada. Simultaneously dyeing and partially saponifying cellulose acetate staple fibers. 2,616,779, Nov. 4.

Hillier, Edward F.: *See*—
Shawbrook, Henry, and Hillier.

Hillier, Harold, assignor to G. & J. Weir Limited, Glasgow, Scotland. Closed feed system for boilers. 2,619,327, Nov. 25.

Hilliker, Frank T., St. Louis, Mo. Child's rocker toy. 2,615,495, Oct. 28.

Hillman, Fred J., Bakersfield, assignor to Hillman-Kelley, Los Angeles, Calif. Safety guard for power-driven pipe tongs. 2,580,680, Jan. 1.

Hillman-Kelley, assignee: *See*—
Hillman, Fred J.

Hillmann, Guenther: *See*—
Forstmann, Walther G. H., Hillmann, and Radde.

Hillmer, Herman H., and H. P. Orent, assignors to Printing Engineers Incorporated, Omaha, Nebr. Printing apparatus. 2,588,385, Mar. 11.

Hillmer, Herman H., and H. P. Orent, assignors to Printing Engineers Incorporated, Omaha, Nebr. Punch for printing apparatus. 2,613,744, Oct. 14.

Hillmer, Herman H., and H. P. Orent, assignors to Printing Engineers Incorporated, Omaha, Nebr. Photoprinting apparatus. 2,614,469, Oct. 21.

Hillmer, Herman H., and H. P. Orent, assignors to Printing Engineers Incorporated, Omaha, Nebr. Lamphouse for printing apparatus. 2,614,470, Oct. 21.

Hill-Rom Company, Inc., assignee: *See*—
Hillenbrand, William A., and Burst.

Hills, Elmer G., Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ionizing structure. 2,585,777, Feb. 12.

Hills, Elmer G., Des Plaines, assignor of one-half to J. N. Marks, J. Tunkl, I. Rosenthal, and E. Lichtenstein, doing business as Tricraft Products Co., Chicago, Ill. Television antenna. 2,621,293, Dec. 9.

Hills-McCanna Company, assignee: *See*—
Goodyer, Harold J.
McFarland, Rolland, Jr.

Hillyer Deutsch Edwards, Inc., assignee: *See*—
Marcantel, Joe.

Hillyer, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Resinous product from furfural. 2,607,758, Aug. 19.

Hillyer, John C., Bartlesville, Okla., and J. T. Edmonds, Sunflower, Kans., assignors to Phillips Petroleum Company. Production of drying oils. 2,581,413, Jan. 8.

Hillyer, John C., and J. T. Edmonds, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of alcohols. 2,583,426, Jan. 22.

Hillyer, Laurence D., Alice, Tex. Weed destroying machine. 2,597,485, May 20.

Hilson, Marion V., Lockland, Ohio. Vehicle brake and throttle operating mechanism. 2,596,998, May 20.

Hilstrom, Hollis R., Western Springs, Ill. Apparatus for producing drive pins. 2,586,166, Feb. 19.

Hilt, Carl, Detroit, and J. E. Butterworth, Berkley, Mich. Trammel attachment for tape measures. 2,581,858, Jan. 8.

Hiltenbrand, Charles L., Neuilly-sur-Seine, assignor to "Perma," Paris, France. Bimetal strip thermostat. 2,622,171, Dec. 16.

Hilton, A. B., assignor of one-half to Grady Tant, Laurel, Miss. Moisture tester. 2,582,629, Jan. 15.

Hilton, Albert H., executor: *See*—
Hilton, John H.

Hilton, John H., deceased, North Platte, Nebr.; A. H. Hilton, executor. Wrench. 2,603,976, July 22.

Hilton, Robert J.: *See*—
Meiler, John G., Stone, and Hilton.

Himel, Chester M., Palo Alto, Calif., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkylthiosulfenyl dithiocarbamates as vulcanization accelerators. 2,586,769, Feb. 26.

Himelreich, Louis E., assignor to H. J. Scheirich Co., Louisville, Ky. Furniture. 2,609,266, Sept. 2.

Himsworth, Francis R., and H. Hughes, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Cold-setting resinous cements. 2,592,034, Apr. 8.

Hinchman, Jane K., Columbus, Ohio, assignor to Interwoven Stocking Company, New Brunswick, N. J. Article of hosiery. 2,623,374, Dec. 30.

Hincks, William J., Norwood, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Brisket saw. 2,596,481, May 13.

Hindall, Lawrence D., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Electronic cathode gate. 2,597,796, May 20.

Hinde & Dauch Paper Company, The, assignee: *See*—
Welshenbach, Charles D.

Hinderer, Gottlob, assignor to Price-Pfister Mfg. Co., Los Angeles, Calif. Faucet construction. 2,608,378, Aug. 26.

Hinderer, Gottlob, La Canada, assignor to Price-Pfister Mfg. Co., Los Angeles, Calif. Shower head. 2,608,443, Aug. 26.

Hinderer, Hermann: *See*—
Jacobi, Werner, and Hinderer.
Jacobi, Werner, Hinderer, and Katz.

Hindle, John E.: *See*—
Robinson, Garner L., and Hindle.

Hindle, Thomas, Blackburn, England. Reed support. 2,600,536, June 17.

Hindmarch, Thomas, London, England. Friction and positive clutch. 2,592,695, Apr. 15.

Hindmarch, Thomas, London, England. Power transmission mechanism. 2,599,632, June 10.

Hinds, Lloyd E., Los Angeles, Calif. Motorcycle lock. 2,617,288, Nov. 11.

Hinds, Sherwood: *See*—
Jauch, Robert J., Hinds and Sturm.

Hinds, Sherwood, Columbia City, assignor of one-half to R. J. Jauch, Fort Wayne, Ind. Computing indexing mechanism. 2,586,332, Feb. 19.

Hine, Robert T., Baltimore, Md. Adjustable drafting board. 2,622,364, Dec. 23.

Hineline, Edson S., assignor to Graflex, Inc., Rochester, N. Y. Hand-held roll-film camera. 2,590,409, Mar. 25.

Hinely, Robert B.: *See*—
Mahlig, Arthur R., and Hinely.

Hines, Albert R., Columbus, Ga. Suction cleaner with brush for cleaning walls. 2,588,000, Mar. 4.

Hines, Albert R., Columbus, Ga. Dumping wheelbarrow. 2,589,694, Mar. 18.

Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Wheel slide indicating apparatus. 2,601,140, June 17.

Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Apparatus for checking the integrity of electric circuits. 2,605,329, July 29.

Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Circuit integrity indicating system. 2,605,334, July 29.

Hines, Dealy K., Oceanside, N. Y., assignor to General American Transportation Corporation, Chicago, Ill. Sedimentation device. 2,588,115, Mar. 4.

Hines Flask Company, assignee: *See*—
Hines, Russell J.

Hines, Glenn J., Minneapolis, Minn. Electric switch actuating mechanism for lamps. 2,608,645, Aug. 26.

Hines, Marion E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetically focused electron gun. 2,608,668, Aug. 26.

Hines, Oliver C., Kansas City, Kans. Portable tractor saw. 2,619,129, Nov. 25.

Hines, Oliver C., Kansas City, Kans. Device for cutting the ends of ears of corn. 2,619,140, Nov. 25.

Hines, Oliver C., Kansas City, Kans. Portable device for cutting ends of ears of corn. 2,619,141, Nov. 25.

Hines, Russell J., Lakewood, assignor, by mesne assignments, to Hines Flask Company, Cleveland, Ohio. Flask handling device. 2,596,401, May 13.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Inverter amplifier and automatic limiter. 2,586,230, Feb. 19.

Hings, Donald L., Vancouver, British Columbia, Canada. Noise neutralizing pulse detector. 2,621,287, Dec. 9.

Hings, Donald L., Vancouver, British Columbia, Canada. Noise neutralizing demodulator. 2,621,288, Dec. 9.

Hings, Donald L., Vancouver, British Columbia, Canada. Demodulation system. 2,621,291, Dec. 9.

Hink, Lester L., Grand Rapids, Minn. Suction screen and foot valve. 2,597,728, May 20.

Hinkamp, Clarence N.: *See*—
Monro, Randolph, Brown, Hinkamp, and Pardubn.

Hinkamp, James B., Detroit, and R. Sugimoto, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Diesel fuel. 2,595,789, May 6.

Hinkamp, James B., Detroit, and R. Sugimoto and H. R. Dittmar, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of amyl nitrate. 2,618,650, Nov. 18.

Hinkel, Lester H., Evansville, Ind., assignor to International Harvester Company. Combination drip tray and ice cube storage and dispensing device. 2,595,456, May 6.

Hinkel, William P.: *See*—
Maxwell, Loyal C., and Hinkel.

Hinkle, John C., Lincoln, Nebr. Bore gauge. 2,581,256, Jan. 1.

Hinkle, Joseph B., Louisville, Ky. Lure or bait. 2,618,092, Nov. 18.

Hinkson, Clair L., assignor to Hinkson Mfg. Co., Seattle, Wash. Fishing sinker. 2,608,017, Aug. 26.

Hinkson Mfg. Co., assignee: *See*—
Hinkson, Clair L.

Hinlicky, John A.: *See*—
Helgl, John J., and Hinlicky.

Hinman, Maurice B., Los Gatos, Calif., assignor to General Electric Company. Switch. 2,603,732, July 15.

Hinman Milking Machine Co., Inc., assignee: *See*—
Harris, Theodore W., and Ingersoll.

Hinnant, Clarence H., Jr.: *See*—
Fishburne, Francis B., Hinnant, and Ricks.

Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Seal for axially movable rotary plug valves. 2,615,672, Oct. 28.

Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Lift plug valve. 2,615,673, Oct. 28.

Hinrichs, Lansing M.: *See*—
Johnson, Paul M., and Hinrichs.

Hinsen, Ralph C., Englewood, Colo. Spiral game. 2,596,688, May 13.

Hinsey, Robert S., assignor to The Bingham-Herbrand Company, Toledo, Ohio. Mechanism control. 2,587,725, Mar. 4.

Hinshaw, Jerrold O., Downey, assignor to Purex Corporation, Ltd., South Gate, Calif. Accelerated settling of bleach impurities. 2,610,905, Sept. 16.

Hinspater, Emil W.: *See*—
Rose, John E., and Hinspater.

Hinton, Fred, Modesto, Calif. Blowtorch. 2,622,667, Dec. 23.

Hinton, John T., Macon, Ga. Automatic hydraulic transmission. 2,604,799, July 29.

Hinton, Olar T., Jr., Pickens, S. C. Motion producing mechanism for woodworking machines. 2,596,402, May 13.

Hintz, Otto E.: *See*—
Daily, Sherwood, Lathrop, and Hintz.
Harstick, William H., and Hintz.

Hintz, Otto E., and H. A. Heckendorf, Chicago, Ill., assignors to International Harvester Company. Mechanical governor with spring supported wedge shaped governor weights. 2,611,603, Sept. 23.

Hinz, Henry C., Jr.: *See*—
Schermerhorn, George R., Sr., and Hinz.

Hiort af Ornäs, Hans E. S., Stockholm, Sweden. Dishwashing device operable by variable pressure steam. 2,618,281, Nov. 18.

Hiort af Ornas, Hans E. S., Stockholm, Sweden. Dishwashing machine. 2,621,666, Dec. 16.

Hipkin, Howard G., Cambridge, Mass., H. B. Horwitz, Ottawa, and A. G. Rogers, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Separating isobutylene polymers from reaction mixtures. 2,607,763, Aug. 19.

Hipple, James L., Chicago, Ill., assignor to International Harvester Company. Agricultural implement. 2,581,533, Jan. 8.

Hirdler, Louis C.: *See*—
Miller, Warren S., and Hirdler.

Hirsch, Alfred: *See*—
Underwood, Julius E., and Hirsch.

Hirsch, Benjamin L., Ottawa Hills, Ohio. Making fluorescent zinc oxide. 2,585,461, Feb. 12.

Hirsch, Charles J., Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Transpondor system. 2,589,808, Mar. 18.

Hirsch, David, New York, N. Y. Paneling. 2,599,994, June 10.

Hirsch, George B., Providence, R. I., and C. R. Backlin, North, assignors to Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Bobbin winder for sewing machines. 2,592,516, Apr. 8.

Hirsch, Harold: *See*—
Donovan, Allen F., and Hirsch.

Hirsch, Joel H., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic apparatus. 2,585,462, Feb. 12.

Hirsch, Joel H., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Manufacture of synthesis gas. 2,614,915, Oct. 21.

Hirsch, Julius A., Chicago, Ill., assignor to Cutter-Cravat, Inc. Insert for necktles. 2,580,914, Jan. 1.

Hirsch, Julius A., Chicago, Ill., assignor to Cutter-Cravat, Inc. Necktie material display device. 2,581,101, Jan. 1.

Hirsch, Julius A., Chicago, Ill., assignor to Cutter Cravat, Inc. Tied clip-on bow tie. 2,613,361, Oct. 14.

Hirsch, Julius A., Valparaiso, Ill., assignor to Cutter Cravat, Inc. Tied clip-on bow tie. 2,613,362, Oct. 14.

Hirschberg, Walter J., Los Angeles, Calif., and J. Ovadia, New York, N. Y. Topographic presentation radar. 2,605,463, July 29.

Hirschey, Malcolm: *See*—
Gottscho, Ira S., and Hirschey.

Hirschey, Malcolm, Woodside, N. Y., assignor, by mesne assignments, to Adolph Gottscho, Inc., Hillside, N. J. Marking apparatus. 2,602,393, July 8.

Hirschfelder, Richard, Chicago, Ill. Billfold. 2,588,237, Mar. 4.

Hirschfelder, Richard, Chicago, Ill. Card holding folder and in attaching means for the same. 2,595,945, May 6.

Hirschle, Alfred, Philadelphia, Pa. Automatic fire alarm. 2,590,770, Mar. 25.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Purification of aliphatic hydrocarbons. 2,594,557, Apr. 29.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Selective adsorption of nonpolar organic compounds. 2,614,135, Oct. 14.

Hirschmann, Ralph F., Westfield, and N. L. Wendler, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Chemical compounds and preparing the same. 2,615,902, Oct. 28.

Hirsh, Allan M., Jr., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for applying a continuous layer of cementitious material to the surface of a vertical structure. 2,605,533, Aug. 5.

Hirshon, Benedict E., Brookline, Mass. Mixing substances. 2,580,780, Jan. 1.

Hirst, Arthur, Lancing, England. Rack for toast and the like. 2,605,907, Aug. 5.

Hirst, Edward G., York Mills, Toronto, Ontario, Canada. Chesterfield bed. 2,607,049, Aug. 19.

Hirszson, Beniamin, New York, N. Y., assignor of one-half to J. A. Paparelli, Rio de Janeiro, Brazil. Reinforcing perforated sheets. 2,601,853, July 1.

Hirszson, Beniamin, and J. A. Paparelli, Rio De Janeiro, Brazil. Punching and reinforcing device. 2,583,944, Jan. 29.

Hirt, Rudolf, Murl, near Berne, assignor to Dr. A. Wander A.-G., Berne, Switzerland. Manufacture of basic esters of α,α-diaryl-α-alkoxy-acetic acids. 2,598,542, May 27.

Hirvonen, Eric J., Shrewsbury, assignor to Leland-Gifford Company, Worcester, Mass. Spindle drive for machine tools. 2,582,698, Jan. 15.

Hise, William, Englewood, and A. M. Dietrich, South Orange, assignors to The Baker Castor Oil Company, Jersey City, N. J. Oil press. 2,622,512, Dec. 23.

Hiser, Noble M., Tucson, Ariz. Casement window lock. 2,616,737, Nov. 4.

Hisey, John D., Toronto, Ontario, Canada. Plate filter. 2,603,356, July 15.

Hisserich, Charles A., Los Angeles, and G. A. Brettell, Jr., San Diego, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Radar simulator. 2,604,705, July 29.

Hispaniola Corporation (La Hispaniola C. P. A.), The, assignee: *See*—
De Kiraly, Paul.

Hispano Suiza (Suisse) S. A., assignee: *See*—
Birkigt, Louis.
Zingg, Walter.

Histed, George E.: *See*—
Frank, Bernard E., Armstrong, and Histed.

Hitachi Limited, assignee: *See*—
Tange, Otoyuki, and Morita.

Hitchcock, Albert E.: *See*—
Zimmerman, Percy W., and Hitchcock.

Hitchcock, Albert E., and P. W. Zimmerman, assignors to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y. Treating soil for preemergent control of weeds. 2,622,976, Dec. 23.

Hitchcock, Guy C., Peterborough, N. H. Pocket tissue package. 2,621,788, Dec. 16.

Hitchcock, Harold W.: *See*—
Bell, Charles C., Hitchcock, and Keith.

Hitchcock, John H., assignor to Morgan Construction Company, Worcester, Mass. Bearing of the oil film type. 2,582,433, Jan. 15.

Hitchcock, John H., and W. H. Chapman, deceased, by A. S. Chapman, administratrix, assignors to Morgan Construction Company, Worcester, Mass. Determination of stresses in longitudinally traveling bodies. 2,618,970, Nov. 25.

Hitchcock, Rex B., Evanston, and R. R. Raney, La Grange, Ill., assignors to International Harvester Company. Safety device for balers. 2,622,507, Dec. 23.

Hitchings, George H., and P. B. Russell, Tuckahoe, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Antimalarial agents and preparing them. 2,594,309, Apr. 29.

Hitchings, George H., Tuckahoe, P. B. Russell, Crestwood, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation of 4-amino-5-arylpyrimidines. 2,602,794, July 8.

Hitchings, George H., Tuckahoe, and P. B. Russell, Crestwood, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 2-carboxymethylthio-4-aminopyrimidine and making. 2,621,182, Dec. 9.

Hitchings, John B., assignee: *See*—
Weber, Robert W.

Hitchings, Sidney P., St. Louis County, Mo. Prize dispensing target game device. 2,593,756, Apr. 22.

Hitchings, Sidney P., St. Louis County, Mo. Dispenser for individual items. 2,606,089, Aug. 5.

Hite, Daniel I., West Columbia, S. C. Shutter structure. 2,610,371, Sept. 16.

Hite, Frank E., Chattanooga, Tenn. Ventilated slip pad. 2,620,862, Dec. 9.

Hite, Melville P., Jacksonville, Fla. Drafting board. 2,614,360, Oct. 21.

Hitschmann, Richard, Carrick-on-Suir, Ireland. Manhole cover securing means. 2,586,465, Feb. 19.

Hively, Loy R., Bridgewater, assignor of one-half to E. S. Ashby, Harrisonburg, Va. All stock control gate. 2,587,318, Feb. 26.

Hi-Voltage Equipment Company, assignee: *See*—
Hart, Lester C.

Hizer, Elbert S., Cincinnati, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Making heat dried detergent compositions containing form II sodium triphosphate. 2,622,068, Dec. 16.

Hjalmar Andren & Soner, assignee: *See*—
Larsson, Joel A. A.

Hjelm, Karl E.: *See*—
Nellvén, Karl J. A., and Hjelm.

Hjertstrand, Svante L., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Signaling over telephone lines by means of a nonlinear resistance. 2,596,025, May 6.

Hjorth, Norman E.: *See*—
Konick, Arthur E., and Hjorth.

Hjullan, Julius A., Palos Heights, assignor to Crane Co., Chicago, Ill. Extrusion apparatus. 2,598,913, June 3.

Hjullan, Julius A., Palos Heights, and I. H. Carlson, assignors to Crane Co., Chicago, Ill. Radiographic inspection device. 2,622,209, Dec. 16.

Hladky, Walter, and E. Ciccone, Newark, assignors to J. H. Scharff, Inc., East Orange, N. J. Supervised alarm system. 2,594,771, Apr. 29.

Hlavaty, Rudolf F., assignee: *See*—
Truhlar, John, and Pantsios.

Hlinsky, Emil J., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for producing varying speed gearing. 2,602,374, July 8.

Hmelewsky, Johannes, Helsingfors, Finland. Incomplete key depression key latch mechanism. 2,594,772, Apr. 29.

Hoag, Roderick W., Melrose, Mass. Machine for making fluted containers. 2,597,994, May 27.

Hoag, Yates M., Utica, N. Y. Vehicle ventilating window antidrip device. 2,615,752, Oct. 28.

Hoage, Clyde C., Ely, Minn. Bait holder. 2,588,526, Mar. 11.

Hoagland, Reginald W., Detroit, Mich. Telephone handset support. 2,621,262, Dec. 9.

Hoaglund, Virginia E.: *See*—
MacMasters, Majel M., and Hoaglund.

Hoague-Sprague Corporation, assignee: *See*—
Knowlton, Cutler D., and Thresh.

Hoard, Roy C., Edinburg, Tex. Rust-preventing plug for bores of firearms. 2,594,778, Apr. 29.

Hoare, Arthur, Carisbrooke, assignor to J. Samuel White & Company Limited, West Cowes, Isle of Wight, England. Ratchet gearing. 2,586,040, Feb. 19.

Hoare, Robert G., assignor to Electro-Hydraulics Limited, Warrington, England. Shock absorber. 2,599,831, June 10.

Hoare, Robert G., assignor to Electro-Hydraulics Limited, Warrington, England. Shock absorber. 2,604,320, July 22.

Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Supply voltage variation compensation. 2,599,258, June 3.

Hobart-Federal Engineering Corporation, assignee: *See*—
Jackson, Aldrich L.

Hobart, Garret A., III: *See*—
Borland, Eileen E., Hobart, Nawrocki, and Neher.

Hobart, Leo G., Inglewood, Calif. Pin opening device. 2,600,769, June 17.

Hobart Manufacturing Company, The, assignee: *See*—
Fox, Gerald B., and Sherman.
Meeker, David A., Fox, and Sullenberger.

Hobb, Oscar J.: *See*—
Shultz, Frederick A., Gressel, Hobb, and Kroeger.

Hobbs, Archibald A., assignor to Acrow (Engineers) Limited, London, England. Clamp for scaffolding tubes and like members. 2,604,340, July 22.

Hobbs, Dorothy D.: *See*—
Hobbs, H. Von and D. D.

Hobbs, Dudley E., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Chassis frame for road vehicles. 2,612,964, Oct. 7.

Hobbs, Edward V.: *See*—
Cardwell, Harland W., Brown, and Hobbs.

Hobbs, Edward W., Rickmansworth, England. Spring-driven motor. 2,591,260, Apr. 1.

Hobbs, H. Von and D. D., Crown Point, Ind. Educational device. 2,589,695, Mar. 18.

Hobbs, Howard F., Leamington Spa, assignor to Hobbs Transmission Limited, London, England. Power transmission apparatus. 2,608,275, Aug. 26.

Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Centrifugally actuated fluid control valve. 2,620,814, Dec. 9.

Hobbs, Howard F., and J. A. Thompson, assignors to Hobbs Transmission Limited, Leamington Spa, England. Friction clutch and brake. 2,588,724, Mar. 11.

Hobbs, Howard F., and K. Thornton, assignors to Hobbs Transmission Limited, Leamington Spa, England. Variable-ratio power transmission apparatus. 2,623,412, Dec. 30.

Hobbs, James C., Painesville, Ohio. Valve closure means. 2,603,102, July 15.

Hobbs, James C., Painesville, Ohio. Heat exchanger. 2,607,567, Aug. 19.

Hobbs, James C., Painesville, Ohio. Valve. 2,617,621, Nov. 11.

Hobbs, John, New York, N. Y. Water-heating gas burner. 2,581,189, Jan. 1.

Hobbs, Kenneth C., Berwyn, Ill., assignor to Corn Products Refining Company, New York, N. Y. Preparation of degraded allyl starch. 2,615,885, Oct. 28.

Hobbs, Luther R., assignee: *See*—
George, Woodrow W., and Kolich.

Hobbs Manufacturing Company, assignee: *See*—
Grilley, Edmund S.

Hobbs, Marcus E.: *See*—
Fairchild, Cameron D., Gross, and Hobbs.

Hobbs Transmission Limited, assignee: *See*—
Hobbs, Howard F.
Hobbs, Howard F., and Thompson.

Hobby, James L., Nichols, Fla. Weaning bit. 2,604,069, July 22.

Hobby, William H. *See*—
Valiton, Frederick C., and Hobby.

Hoberg, Carl G.: *See*—
Klein, Ben, and Hoberg.

Hoblick, Benjamin M., Fresno, assignor to Blake, Moffitt & Towne, San Francisco, Calif. Apparatus and method of making ventilated fruit cushions. 2,610,134, Sept. 9.

Hobson, Alfred M., and G. B. Corbett, Carlotta, assignors to E. C. Matthews, Eureka, Calif. Post driving machine. 2,599,995, June 10.

Hobson, Charles M., Jr., Wenonah, assignor to United States Gasket Company, Camden, N. J. Jacketed gasket. 2,580,546, Jan. 1.

Hobson, H. M., Limited, assignee: *See*—
Greenland, Leonard S.
Mott, Lawrence F.
Westbury, Roy.
Westbury, Roy, and Tyler.

Hobson, John R., West Hartford, assignor to Plax Corporation, Hartford, Conn. Multiple cavity mold. Re. 23,564, Oct. 14.

Hobson, Oliver J., Redwood City, Calif. Shock operated fluid valve. 2,585,316, Feb. 12.

Hoch, Paul E., and W. H. Libby, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Fluorescent agents. 2,589,519, Mar. 18.

Hochalter, Frederick J., Stillwater, Minn. Card table with individual trays. 2,612,424, Sept. 30.

Hochberg, Seymore, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersing pigments in film-forming materials. 2,581,414, Jan. 8.

Hocher, Andrew A., Glenshaw, Pa., assignor to Hubbard and Company. Earth anchor. 2,580,915, Jan. 1.

Hocher, Andrew A., Glenshaw, Pa., assignor to Hubbard and Company. Street-lighting fixture. 2,608,369, Aug. 26.

Hocher, Andrew A., Glenshaw, assignor to Hubbard & Company, Pittsburgh, Pa. Wood clamp. 2,613,963, Oct. 14.

Hocher, Andrew A., Glenshaw, assignor to Hubbard & Company, Pittsburgh, Pa. Clamp. 2,613,964, Oct. 14.

Hocher, Andrew A., Glenshaw, assignor to Hubbard & Company, Pittsburgh, Pa. Clamp. 2,613,965, Oct. 14.

Hocher, Andrew A., Glenshaw, assignor to Hubbard & Company, Pittsburgh, Pa. Clamp. 2,613,966, Oct. 14.

Hochman, Bruce I., Los Angeles, Calif. Cutting and salvaging automobile bodies. 2,590,700, Mar. 25.

Hochman, Jack H., Dayton, Ohio. Ball marker. 2,616,368, Nov. 4.

Hochmuth, Frank W., Brooklyn, N. Y., assignor to Combustion Engineering-Superheater, Inc. Chemical feeder for black liquor recovery systems. 2,583,145, Jan. 22.

Hochmuth, Frank W., Summit, N. J., assignor to Combustion Engineering-Superheater, Inc. Spray nozzle with cleaning means. 2,580,385, Jan. 1.

Hochstadt, Harold R., Jackson Heights, assignor to Evans Research & Development Corporation, New York, N. Y. Producing dilsopropylidene glyoxal. 2,623,883, Dec. 30.

Hockberger, William G., Baton Rouge, La., assignor to Standard Oil Development Company. Recovery of high boiling alcohols by activated alumina. 2,619,497, Nov. 25.

Hockery, John C., assignee: *See*—
McLean, Robert E.

Hockery, John C., trustee assignee: *See*—
Landry, William J.
Scott, Robert J.

Hockett, Robert C.: *See*—
Fisher, Charles H., Zief, and Hockett.

Hockett, Robert C., Larchmont, N. Y., assignor to Heinz M. Wuest, Montclair, N. J. Production of L-xylose. 2,584,129, Feb. 5.

Hockney, Chester L., Silverlake, Wis. Automatic governor attachment for fishing reels. 2,597,486, May 20.

Hockstadt, Harold R.: *See*—
Berdick, Murray, and Hochstadt.

Hodaly, Emerick, Detroit, Mich. Safety door latch for vehicles. 2,589,809, Mar. 18.

Hodder, Wayne K., Pasadena, Calif., L. L. Pourciau, and R. W. Lee, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Television sweep circuits. 2,584,268, Feb. 5.

Hodder, Wayne K., G. R. Gamertsfelder, and A. W. Jacobson, Jr., Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Bridge oscillator. 2,602,139, July 1.

Hodel, Ernst: *See*—
Gysin, Hans, and Hodel.

Hodge, Abram L., Buffalo, N. Y., assignor to United States Steel Company. Stopper head for ladles. 2,599,832, June 10.

Hodge, Edward B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Azeotropic distillation process for preparing pure, crystalline penicillin salts. 2,602,045, July 1.

Hodge, Edwin T., Portland, Oreg. Continuously digesting and drying flax straw. 2,591,069, Apr. 1.

Hodge, Edwin T., Portland, Oreg. Spiral separator. 2,615,572, Oct. 28.

Hodge, Howard M., Linthicum Heights, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Recovery of glycerol from fermentation residues. 2,620,295, Dec. 2.

Hodge, James: *See*—
McLeod, Roderick C., Feliden, and Hodge.

Hodge, John M., and R. D. Manning, Pittsburgh, Pa., assignors to United States Steel Company. Low-alloy, high-hardenability steel with high toughness at high hardness levels. 2,586,041, Feb. 19.

Hodge, John M., and R. D. Manning, Pittsburgh, Pa., assignors to United States Steel Company. Low-alloy high-yield strength weldable steel. 2,586,042, Feb. 19.

Hodge, Murry K., North Little Rock, Ark. High fidelity sound reproducing unit with resiliently suspended baffle plate. 2,580,916, Jan. 1.

Hodgens, John G., Jr., Chippewa Falls, Wis. Electronic solution control apparatus. 2,621,673, Dec. 16.

Hodges, Clarence R., assignor of one-half to Hodges Manufacturing Co., Julesburg, Colo. Cultivator disk sharpener. 2,597,325, May 20.

Hodges, Denson H., Chicago, Ill. Fishing bobber. 2,598,378, May 27.

Hodges, Elmer L., assignor of one-half to R. H. Otis, Denison, Tex. Tape dispensing reel and angle crimper. 2,581,190, Jan. 1.

Hodges, Gordon F., assignor to Ferguson Radio Corporation Limited, London, England. Suction cleaner with carpet beater and brush. 2,581,794, Jan. 8.

Hodges, Howard T., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Variable-speed drive. 2,597,324, May 20.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Normalizing device for gear train shutter retards. 2,588,980, Mar. 11.

Hodges, Linnie P., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of oxygenated organic compounds from hydrocarbons. 2,581,102, Jan. 1.

Hodges, Linnie P., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Separation of oxygenated organic compounds from synthetic naphtha. 2,584,269, Feb. 5.

Hodges Manufacturing Co., assignee: *See*—
Hodges, Clarence R.

Hodges Research and Development Company, assignee: *See*—
Hodges, William C.
Latham, Allen, Jr., and Swanton.
McAdam, Harry H.

Hodges, Sally, Enfield, England. Clothes drier and airer. 2,622,180, Dec. 16.

Hodges, William A., Plant City, Fla., assignor to Swift & Company, Chicago, Ill. Flotation of siliceous impurities from mineral-bearing material. 2,599,530, June 10.

Hodges, William C., Redwood City, assignor to Hodges Research and Development Company, San Francisco, Calif. Shifting bolster transfer mechanism. 2,591,153, Apr. 1.

Hodgkins, Hollis C., Eau Claire, Wis., assignor to United States Rubber Company, New York, N. Y. Collapsible building drum. 2,583,650, Jan. 29.

Hodgkinson, John, Northop, and H. Roberts, Hawarden, North Wales. Hedge cutter. 2,616,238, Nov. 4.

Hodgson, Arthur C., Topeka, Kans. Abrading device. 2,580,917, Jan. 1.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Brake shoe. 2,609,895, Sept. 9.

Hodgson, Richard W., Compton, and N. C. Parrish, Redondo Beach, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Kinetic boom damper. 2,586,043, Feb. 19.

Hodgson, Robert W., Sherman Oaks, assignor to H. S. Pierce, Los Angeles, Calif. Therapeutic device. 2,622,200, Dec. 16.

Hodgson, William C., United States Navy. Motion controlling apparatus for fuse control training. 2,603,886, July 22.

Hodil, Ralph, Toledo, Ohio, assignor to Granite City Steel Company, Inc., Granite City, Ill. Continuous process of preparing and metal coating rolled steel. 2,592,282, Apr. 8.

Hodkin, Forest C., Dallas, Tex. Holder for invoice books. 2,590,618, Mar. 25.

Hodnette, John K., and M. G. Leonard, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker operating mechanism. 2,586,429, Feb. 19.

Hodo, D. W., assignee: *See*—
Johnson, Marvin B.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Milk strainer. 2,584,206, Feb. 5.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Movable feed shield for milker stalls. 2,587,846, Mar. 4.

Hodsell, Mrs. Ruby A., assignee: *See*—
Evans, Wil.

Hodshire, James V., Oklahoma City, Okla. Dual manometer. 2,594,649, Apr. 29.

Hodshon, Alfred E.: *See*—
Griffing, William C., and Hodshon.

Hodson, George F., Altus, Okla., and L. L. Campbell, Riverdale, Ill., assignors to Wilson & Company, Inc. Egg shell scoring device. 2,611,409, Sept. 23.

Hodson, Peter, Wellsville, N. Y., and H. Klemperer, Belmont, Mass., assignors to The Air Preheater Corporation, New York, N. Y. Liquid cleaned precipitator. 2,615,530, Oct. 28.

Hoe, R., & Co., Inc., assignee: *See*—
Albrecht, Alexander J.
Battey, Alfred P.
Bennett, Thomas R.
Bennett, Thomas R., and Willis.
Burls, John A. E.
Crabtree, John O., and Marshall.
Dressel, Arthur, and Johnson.
Harless, Charles A., and Johnson.
Harless, Charles A., and Wieking.
Huck, William F.
Huck, William F., and Stobb.
Livingston, Stanley D.
Mosegaard, Marius.
Seed, Leslie C.
Wieking, William C.

Hoebeke, Robert, Medford, Mass. Removable pipe plug. 2,590,860, Apr. 1.

Hoeber, Barbara O. W., executrix: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, South Dartmouth, Mass., by B. O. W. Hoeber and W. T. Read, executors, Dartmouth, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Box wall for looms. 2,594,170, Apr. 22.

Hoeber, Harold, deceased, Dartmouth, Mass., by B. O. W. Hoeber, and W. T. Read, executors, Dartmouth, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Shuttle box. 2,599,108, June 3.

Hoeckele, Karl F., Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc. Jewelry clasp. 2,596,405, May 13.

Hoeffken, Paul W., assignor of one-third to W. M. Hoeffkin and one-third to O. W. Wegener, Belleville, Ill. Removable burner for gas heaters. 2,582,331, Jan. 15.

Hoeffken, William M., assignee. *See*—
Hoeffken, Paul W.

Hoefle, Armand O., Cincinnati, Ohio. Button sewing aid. 2,605,943, Aug. 5.

Hoefle, Milton L., and W. W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. 4,5 diphenylglyoxalone-disulfonylchloride and producing the same. 2,602,798, July 8.

Hoeflich, Victor T., Bronx, N. Y. Mouthpiece for sound-producing devices. 2,607,162, Aug. 19.

Hoekstra, James, Evergreen Park, assignor to Universal Oil Products Company, Chicago, Ill. Spheroidal alumina. 2,620,314, Dec. 2.

Hoekstra, James, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Flow dividing apparatus. 2,583,177, Jan. 22.

Hoekstra, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotatable drum with liquid bath. 2,587,157, Feb. 26.

Hoel, Leroy W., Appleton, assignor to Paper Patents Company, Neenah, Wis. Paper-coating machine. 2,606,520, Aug. 12.

Hoelscher, William G.: *See*—
Turchan, Manuel, and Hoelscher.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Feed indicating dials for lathe carriages. 2,584,963, Feb. 5.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Tracer control valve. 2,586,654, Feb. 19.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Hand or power transmitting apparatus. 2,608,109, Aug. 26.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Pawl and ratchet mechanism for lathe tailstocks. 2,608,120, Aug. 26.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Displaceable bearing for lathe feed shafts. 2,612,070, Sept. 30.

Hoen, Max L., assignee: *See*—
Kohl, Alexander.

Hoenecke, Walter J.: *See*—
Caron, Louis D., Jr., and Hoenecke.

Hoenecke, Walter J., assignor of one-half to C. E. Van Duser, Milwaukee, Wis. Rotary oscillating piston pump. 2,605,714, Aug. 5.

Hoenninger, Willy G.: *See*—
Weeks, Benjamin E., and Hoenninger.

Hoenselaar, Harry J., Detroit, Mich. Sliced meat joint such as ham and slicing same. 2,599,328, June 3.

Hoensbell, Marion S., Seattle, Wash. Adjustable disk garden cultivator. 2,592,423, Apr. 8.

Hoeppel, Raymond W., Arcadia, Calif., assignor to National Lead Company, New York, N. Y. Treatment of well-drilling fluids. 2,600,404, June 17.

Hoeppel, Raymond W., Los Angeles, Calif., assignor to National Lead Company, New York, N. Y. Treatment of aqueous well-drilling fluids. 2,605,221, July 29.

Hoeppner, Arthur D., and R. D. Hayes, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Bag construction. 2,620,842, Dec. 9.

Hoeppner, Conrad H., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Binary decoding system. 2,607,006, Aug. 12.

Hoeppner, Conrad H., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Binary coding device. 2,616,965, Nov. 4.

Hoeppner, Conrad H., Washington, D. C. Pulse width discriminator. 2,582,251, Jan. 15.

Hoeppner, Conrad H., Washington, D. C. Impulse delay apparatus. 2,589,254, Mar. 18.

Hoeppner, Conrad H., Washington, D. C. Scale-of-three electronic switch. 2,593,452, Apr. 22.

Hoeppner, Conrad H., Washington, D. C. Selective communication system. 2,600,405, June 17.

Hoeppner, Conrad H., Washington, D. C. Pulse amplitude discriminator circuit. 2,622,151, Dec. 16.

Hoerbiger & Co., assignee: *See*—
Kehler, Karl.

Hoerlin, Herman: *See*—
Famulener, Keith, and Hoerlin.

Hoerner, Eric, Dayton, Ohio. Drain. 2,591,432, Apr. 1.

Hofacer, Simon C., Oscoda, Mich. Oil can drain stand. 2,600,770, June 17.

Hofacker, Henry J., Worthington, Ohio. Oral applicator. 2,593,757, Apr. 22.

Hofberg, Alf H., Medford, N. J., assignor to Radio Corporation of America. Metal detector. 2,587,158, Feb. 26.

Hofer, Alfred, Basel, Switzerland. Winding device for blind-raising members. 2,603,430, July 15.

Hofer, David L., Berkeley, Calif. Relief valve operating and control mechanism. 2,603,234, July 15.

Hofer, Kurt, assignor to Sandoz A. G., Basel, Switzerland. Preparation of polyether acetic acids. 2,623,900, Dec. 30.

Hoff, James L.: *See*—
Tama, Manuel Tama, and Hoff.

Hoff, Jean M., Evanston, Ill. Toy vehicular system. 2,618,888, Nov. 25.

Hoff, Rodney G.: *See*—
Herndon, Howard V., and Hoff.

Hoff, Ronald C., assignor to Eriez Manufacturing Company, Erie, Pa. Magnetic pulley. 2,596,554, May 13.

Hoff, Ronald C., assignor to Eriez Manufacturing Company, Erie, Pa. Detecting device for magnetizable members. 2,615,081, Oct. 21.

Hoffecker, John W., Wilmington, Del., assignor to Continental Can Company, Inc., New York, N. Y. Crown cap feeding means. 2,598,380, May 27.

Hoffer, James F., Detroit, Mich. Flexible drive coupling. 2,580,781, Jan. 1.

Hoffman, Alfred E.: *See*—
Bloch, Herman S., and Hoffman.

Hoffman, Alfred E., Claredon Hills, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Production of hydrocarbon drying oils having improved drying characteristics. 2,582,434, Jan. 15.

Hoffman, Allan C., Yellow Springs, W. H. Geddes, and J. D. Olcott, assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil tank and system. 2,584,877, Feb. 5.

Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. Vitamin B_{12} derivatives. 2,583,774, Jan. 29.

Hoffman, Dorothea H., assignor to Merck & Co., Inc., Rahway, N. J. N-glycosido benzimidasoles and preparation. 2,606,187, Aug. 5.

Hoffman, Edmund C., Chicago, Ill. Tire tread liner. 2,619,147, Nov. 25.

Hoffman, Ernest, Nutley, N. J., assignor to American Can Company, New York, N. Y. Bag opening machine with upper and lower bag forming units. 2,608,331, Aug. 26.

Hoffman, Frank A., Homer City, Pa. Holder and carrier for containers. 2,613,860, Oct. 14.

Hoffman, Frank A., Waverly, assignor to Collins Supply and Equipment Company, Scranton, Pa. Loom temple. 2,603,245, July 15.

Hoffman, Frederick J., assignor to Hydraulic Supply Manufacturing Company, Seattle, Wash. Exhaust fan. 2,583,374, Jan. 22.

Hoffman, Harry and L., Philadelphia, Pa. Guard for toilet bowls. 2,598,543, May 27.

Hoffman, Harry and L., Philadelphia, Pa. Guard for toilet bowls. 2,617,996, Nov. 18.

Hoffman, Harry J., Detroit, Mich., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive cement solution containing a sulfur-cured rubber. 2,610,162, Sept. 9.

Hoffman, Harry W., Anoka, and G. H. Helmer, deceased, by E. H. Helmer, special administratrix, St. Louis Park, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Photoelectric recording device. 2,583,737, Jan. 29.

Hoffman, Henry H., Jersey City, N. J., assignor to Seal-N-Spout Corporation, New York, N. Y. Nondrip can spout. 2,585,125, Feb. 12.

Hoffman, Herbert N., Wakefield, Mass., assignor to General Electric Company. Vented shaft seal. 2,598,381, May 27.

Hoffman, Howard T.: *See*—
Hornfeck, Anthony J., and Hoffman.

Hoffman, Howard T., Elmhurst, Ill., assignor to Bailey Meter Company. Energy translating device. 2,598,258, May 27.

Hoffman, James A.: *See*—
Jacobsson, Wilgot J., Hoffman, and Oldham.
Oldham, Samuel R., Hoffman, and Jacobsson.

Hoffman, James A., Roselle, S. R. Oldham, West Orange, and W. J. Jacobsson, Plainfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Oxygen transfer regulator. 2,617,233, Nov. 11.

Hoffman, John R.: *See*—
Humfeld, Harry, Aeschlimann and Hoffman.

Hoffman, Julian, New York, and A. Gruff, Flushing, assignors to Claridge Food Co. Inc., Murray Hill, N. Y. Cooking and canning meat patties. 2,584,584, Feb. 5.

Hoffman, Karl, Binningen, and M. Spillmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Diphenyl acetic acid-β-(N-cycloheptylmethylamino)-ethyl ester and salts thereof. 2,599,996, June 10.

Hoffman-La Roche Inc., assignee: *See*—
Chase George O.
Goldberg, Moses W., and Lehr.

Hoffman, Lester, Birdsboro, Pa. Fishing rod holder. 2,596,403, May 13.

Hoffman, Louis: *See*—
Hoffman, Harry and L.

Hoffman, Manfred T., Newburyport, Mass. Method and machine for manufacturing hat bodies. 2,594,558, Apr. 29.

Hoffman, Max, Boston, Mass. Snow melting apparatus. 2,590,701, Mar. 25.

Hoffman, Paul R., assignor to Bond Foundry & Machine Company, Manheim, Pa. Truck lock. 2,618,362, Nov. 18.

Hoffman, Raymond A., Euclid, Ohio, assignor to Allied Research Products, Incorporated, Baltimore, Md. Zinc cyanide plating bath. 2,621,152, Dec. 9.

Hoffman, Robert F., South Orange, N. J. Ski tow rope grip. 2,582,630, Jan. 15.

Hoffman, Robert M., Snyder, N. Y., and F. K. Signaigo, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn feeding and tensioning device and process. 2,621,391, Dec. 16.

Hoffman, Roscoe C., Detroit, Mich. Automobile body. 2,593,883, Apr. 22.

Hoffman, Roscoe C., Detroit, Mich. Rear axle suspension for motor vehicles of the rear engine type. 2,606,037, Aug. 5.

Hoffman, Roy T., Ravena, N. Y. Bed fence. 2,594,926, Apr. 29.

Hoffman, Stanley G.: *See*—
Rickus, George M., and Hoffman.

Hoffman, Stanley G., assignor to Hat Corporation of America, Norwalk, Conn. Sweatband. 2,585,896, Feb. 12.

Hoffman, Sven A., Pittsburgh, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Current transformer short circuiting switch. 2,589,084, Mar. 11.

Hoffman, Warren G., Plainview, Tex., assignor of one-half to J. E. White. Vehicle wheel truck. 2,583,216, Jan. 22.

Hoffman, William E., North Sacramento, Calif. Window screen for automobiles. 2,615,515, Oct. 28.

Hoffman, William J., Babylon, N. Y. Hydraulic dimpling unit. 2,581,659, Jan. 8.

Hoffmann, Anton R., Southport, and W. J. Crump, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Thermocouple hot wire anemometer. 2,580,782, Jan. 1.

Hoffmann, Carl, assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Foldable table with leg latch means. 2,618,524, Nov. 18.

Hoffmann, Elmer L., Park Ridge, and A. L. Atkins, Chicago, Ill., said Hoffmann assignor to said Atkins. Jig saw blade mounting. 2,613,700, Oct. 14.

Hoffmann, Ernest, and C. D. Gresham, assignors to Tip-Top Products Company, Omaha, Nebr. Curl forming device. 2,611,379, Sept. 23.

Hoffmann, Johann: *See*—
Lindner, Paul, and Hoffmann.

Hoffmann, Karl, Binningen, and E. Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Para-halogenphenyl-pyridyl-alkanones. 2,585,550, Feb. 12.

Hoffmann, Karl, Binningen, and E. Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Amino-aryl-pyridyl-alkanols and their esters. 2,601,141, June 17.

Hoffmann-La Roche Inc., assignee: *See*—
Berger, Leo, and Lee.
Cohen, Aaron.
Duschinsky, Robert.
Flexser, Leo A., and Farkas.
Goldberg, Moses W., and Lehr.
Kirchensteiner, Hans, Spiegelberg, and Lindlar.
Lee, John, and Berger.
Lindlar, Herbert, and Rüegg.
Pecherer, Benjamin.
Spiegelberg, Hans, and Rey-Bellet.
Steiger, Norbert.
Steiger, Norbert, and Keller.
Surmatis, Joseph D.
Vogler, Karl.
Wenner, Wilhelm.

Hoffmann, Otto L., Bethany, and D. L. Schoene, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y. Agricultural chemical compositions comprising 1,2-dihydropyridazine-3,6-dione and its salts. 2,614,916, Oct. 21.

Hoffmann, Walter, Zurich, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Thread guide holder for textile machines. 2,582,778, Jan. 15.

Hoffmann, Walter, Zurich, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Plural-part bearing for spinning and twisting spindles. 2,611,666, Sept. 23.

Hoffmann, Walter, Zurich, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Thread guide support in spinning machines. 2,614,382, Oct. 21.

Hoffmaster, George R., Esterly, assignor to Willson Products, Inc., Reading, Pa. Eyeglasses having improved temple pivot structure. 2,587,472, Feb. 26.

Hoffmaster, George R., Esterly, assignor to Willson Products, Inc., Reading, Pa. Making a temple for ophthalmic mountings. 2,591,154, Apr. 1.

Hoffmeister, Ernst W., Hamburg, Germany. Rotating amusement cylinder. 2,586,333, Feb. 19.

Hoffmeister, Hubert G., and A. H. Soane, assignors to Usher-Walker Limited, London, England. Method and apparatus for making printer's inks. 2,599,633, June 10.

Hoffstetter, George O., Jerseyville, Ill. Delivery hopper 2,597,326, May 20.

Hoffstetter, George O., Jerseyville, Ill. Cement conveyer. 2,614,708, Oct. 21.

Hoffstetter, George O., Jerseyville, Ill. Combined hopper and delivery conveyer. 2,620,916, Dec. 9.

Hofft Company, Inc., The, assignee: *See*—
Miller, Henry C. L., and Raddin.

Hofgaard, Rolf, Nordstrandshogda, near Oslo, Norway. Card register and the like. 2,602,451, July 8.

Hofgesang, William, Avenel, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Darning foot for sewing machines. 2,619,927, Dec. 2.

Hofland, Karel R.: *See*—
Van der Lee, Albertus, Vivie, and Hofland.

Hofland, Karel R., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutting plate for a dry-shaving apparatus. 2,590,619, Mar. 25.

Hofland, Karel R., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutting plate of dry-shaving devices. 2,616,169, Nov. 4.

Hofman Laboratories, Inc., assignee: *See*—
Jacket, Howard S.

Hofmann, Albert: *See*—
Stoll, Arthur, Hofmann, Jucker, Petrzilka, Rutschmann, and Troxler.

Hofmann, Gloris R., assignor to Kiekhaefer Corporation, Cedarburg, Wis. Ignition system for internal-combustion engines. 2,587,847, Mar. 4.

Hofmann, Hugo, Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Process and apparatus for the production of synthetic thread. 2,587,619, Mar. 4.

Hofmann, Victor E., Toledo, Ohio. Instrument holder. 2,600,771, June 17.

Hofsetz, James S., Denver, Colo. Bingo game apparatus. 2,594,434, Apr. 29.

Hofstadter, Robert, Princeton, N. J. Detecting ionising radiations. 2,585,551, Feb. 12.

Hofstetter, Robert, Alexandria, Va. Staple extractor. 2,592,570, Apr. 15.

Hofstrand, Nils V.: *See*—
Johnson, Karl G., and Hofstrand.

Hogan, Amos: *See*—
Roberts, James W., and R. D. and A. Hogan.

Hogan, Billie I., assignor to Edgar Anspacher, Los Angeles, Calif. Apparatus for producing rolls of upholsterer's felt of uniform length and weight. 2,588,725, Mar. 11.

Hogan, Horace C., Jr., Charlestown, R. I. Hydraulic control valve with automatic follow-up. 2,608,954, Sept. 2.

Hogan, John P., and R. L. Banks, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalyst fluidization. 2,606,104, Aug. 5.

Hogan, John P., Bartlesville, Okla., and A. H. Friedman, Kansas City, Mo., assignors to Phillips Petroleum Company. Regeneration of catalyst. 2,608,568, Aug. 26.

Hogan, John V. L., Forest Hills, assignor to Faximile, Inc., New York, N. Y. Quantity recorder. 2,587,319. Feb. 26

Hogan, Robert D.: *See*—
Roberts, James W., and A. and R. D. Hogan.

Högberg, Knut B.: *See*—
Claesson, Karl E. L., Högberg, and Rosenberg.

Hoge, Ralph O., assignor to Thomas Rental, Inc., Los Angeles, Calif. Camera head. 2,582,779, Jan. 15.

Hogeboom, Sidney S., Flint, Mich. Combined heel plate and brace for shoes. 2,618,080, Nov. 18.

Högel, Lennart, and J. Jaekel, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Clamping device for electrodes of arc furnaces. 2,587,045, Feb. 26.

Hogendobler, Henry R., Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for the production of glass fiber mats. 2,584,702, Feb. 5.

Högfors, Hans F. B., Enskede, Sweden. Drill grinding machine. 2,598,055, May 27.

Hogg, Gordon A.: *See*—
Wyllie, Malcolm R. J., and Hogg.

Hogg, John A., assignor to The Upjohn Company, Kalamazoo, Mich. 2-alkoxyphenethyl-6-carboxycyclohexene-1-one-3 esters and preparing same. 2,582,252, Jan. 15.

Hogg, John A., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Synthetic estrogens. 2,582,253, Jan. 15.

Hogg, Reuben T., Chicago, Ill. Typewriter operating apparatus. 2,613,797, Oct. 14.

Hogg, William J., and D. R. Powell, Cleveland, Ohio, assignors to The National Acme Company. Chaser mounting. 2,600,651, June 17.

Hoggarth, Eric, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Diazabutadiene sulfonic acids. 2,623,899, Dec. 30.

Hoggatt, Andrew C., Raymond, Wash. Boat construction. 2,592,697, Apr. 15.

Hoggatt, Gilbert A., Park Ridge, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Producing gypsum plaster. 2,616,789, Nov. 4.

Hoglund Engineering and Manufacturing Company, Inc., assignee: *See*—
Hoglund, Nils.

Hoglund, Nils, Union, assignor to Hoglund Engineering and Manufacturing Company, Inc., Berkeley Heights, N. J. Wheel dressing and forming apparatus. 2,596,555, May 13.

Höglund, Stig P. G., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. End mill cutter. 2,584,449, Feb. 5.

Hogne, Henric V., Stockholm, Sweden. Tailpiece for stringed instruments. 2,588,238, Mar. 4.

Hogne, Henric V., Stockholm, Sweden. Chin rest for bow instruments. 2,594,435, Apr. 29.

Högstadius, Svante E. G., Stockholm, Sweden. Adjustable side-jaw wrench. 2,587,320, Feb. 26.

Hogsted, Milton J., and R. M. Joyce, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of dinitriles. 2,606,204, Aug. 5.

Hogsten, Leslie G., Detroit, and V. D. Polhemus, Plymouth, assignors to General Motors Corporation, Detroit, Mich. Vehicle suspension. 2,621,920, Dec. 16.

Hogue, Alfred L., Pittsfield, and G. E. Hamilton, Dalton, Mass., assignors to General Electric Company. Apparatus for affixing condenser tap straps to mounting strip material. 2,597,868, May 27.

Hogue, Ephraim W., Rochester, N. Y. Signal amplifying system. 2,598,259, May 27.

Hogue, Francis M.: *See*—
Eaton, Ernest E., and Hogue.

Hohl, George I., East Orange, F. H. Weise, Cedar Grove, G. A. Rist, Newark, and J. M. Rist, East Orange, assignors to Processing Equipment Corporation, Freehold, N. J. Wrapping machine. 2,592,283, Apr. 8.

Hohl, John, and A. F. Trendel, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Screw type article conveying mechanism. 2,604,200, July 22.
Hohl, John, and O. Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Method and apparatus for sealing containers. 2,620,111, Dec. 2.
Hohl, John, and O. Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Apparatus for sealing containers. 2,620,112, Dec. 2.
Hohl, Russell L., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Laterally expansible lighting fixture and part therefor. 2,617,919, Nov. 11.
Hohnecker, Otto, assignor to Haughton Elevator Company, Toledo, Ohio. Escalator cleaning means. 2,617,515, Nov. 11.
Hohnke, John H., and C. R. Anderson, Detroit, Mich. Machine for forming and finishing concrete surfaces. 2,587,321, Feb. 26.
Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.
Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Adjustable ring gauge. 2,583,738, Jan. 29.
Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Adjustable ring gauge. 2,588,116, Mar. 4.
Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Adjustable ring gauge. 2,588,117, Mar. 4.
Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Adjustable thread ring gauge. 2,591,433, Apr. 1.
Holpo, Richard F., Duluth, Minn. Hair curler. 2,604,893, July 29.
Hoke, Harry H., Jr., Washington, D. C. High-speed propeller train ship attachment. 2,619,929, Dec. 2.
Hoke, Harry H., Jr., Washington, D. C. Aircraft carrier multiple propeller attachment. 2,619,930, Dec. 2.
Hoke, Leopold, St. Andra Wordern, Austria. Dry cell and dry battery produced thereof. 2,623,082, Dec. 23.
Holaday, Harold O., assignor to Bear Manufacturing Company, Rock Island, Ill. Wheel alignment gauge. 2,603,881, July 22.
Holahan, Robert E., Rochester, N. Y. Confection mold. 2,591,261, Apr. 1.
Holan, James H.: *See*—
Troche, Herman J., and Holan.
Holan, J. H., Corporation, assignee: *See*—
Troche, Herman J., and Holan.
Holbeck, Austin A., Detroit, Mich. Baking oven loading apparatus. 2,596,404, May 13.
Holben, James H., Lake Wales, Fla. Distributor for loose material. 2,614,849, Oct. 21.
Holben, Martin M., Ridgewood, and W. L. Weeks, Wyckoff, N. J., assignors to Curtiss-Wright Corporation. Lubrication system. 2,592,140, Apr. 8.
Holberger, Frank J.: *See*—
McClellan, Lee W., Holberger, and Rose.
Holbik, Frank J., assignor to Speed-Meal Corporation, Racine, Wis. Safety and release valve for pressure cookers. 2,590,620, Mar. 25.
Holbro, Theodor: *See*—
Kern, Walter, Sutter, and Holbro.
Holbrook, Bernard D.: *See*—
Hamming, Richard W., and Holbrook.
Holbrook, Louis S., Los Angeles, Calif. Device for massaging by means of air suction. 2,616,417, Nov. 4.
Holcomb, Arthur L., Tarzana, and M. A. Leavitt, Concord, Calif., assignors to Western Electric Company, Incorporated, New York, N. Y. High-speed contactor. 2,609,461, Sept. 2.
Holcomb, Harry E., Stratford, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus for drawing filaments. 2,613,039, Oct. 7.
Holcomb, Harry E., Stratford, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Strand and making the same. 2,616,239, Nov. 4.
Holcomb, Harry E., Stratford, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Binder applicator. 2,617,468, Nov. 11.
Holcomb, Sylvia M., Tacoma, Wash. Art and apparatus for pleating drapes. 2,595,790, May 6.
Holdcraft, Joseph W.: *See*—
Trost, Conrad, and Holdcraft.
Holcroft & Company, assignee: *See*—
Holcroft, Walter H.
Holcroft, Walter H., assignor to Holcroft & Company, Detroit, Mich. Preparing gas atmosphere. 2,589,810, Mar. 18.
Holcroft, Walter H., assignor to Holcroft & Company, Detroit, Mich. Gas atmosphere generating means for heat-treating furnaces. 2,589,811, Mar. 18.
Holden, Artemas F., New Haven, Conn. Composition for and method of descaling metal parts. 2,601,864, July 1.
Holden, Charles E. N., Cheswick, Pa. Bobbin holder attachment for sewing machines. 2,619,926, Dec. 2.
Holden, Crofton C., assignor to Tilton & Cook Co., Leominster, Mass. Barrette. 2,599,916, June 10.
Holden, Elmer H., Poplarville, Miss. Potato harvester. 2,610,457, Sept. 16.
Holden, Harold C., Syracuse, N. Y., assignor to General Electric Company. Fastening device. 2,616,135, Nov. 4.
Holden, James R., Medindie, South Australia, Australia. Sprinkler. 2,613,993, Oct. 14.
Holden, John O., Pueblo, Colo. Grass catcher for lawn mowers. 2,598,382, May 27.
Holden, Norman G.: *See*—
Thomas, Arthur, and Holden.
Holden, Norman G., Carshalton, assignor to Powers-Samas Accounting Machines Limited, London, England. Record controlled statistical machine. 2,601,787, July 1.
Holden, Norman G., Carshalton, assignor to Powers-Samas Accounting Machines Limited, London, England. Sensing means for record controlled sorting machines. 2,623,693, Dec. 30.
Holden, Phillip F., Norfolk, Va., assignor to Westinghouse Air Brake Company. Arrangement for controlling special indications of distant signals. 2,588,836, Mar. 11.
Holden, William H. T.: *See*—
Dehn, Joseph W., and Holden.
Holden, William H. T., Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fault signaling system. 2,623,108, Dec. 23.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Counting system. 2,583,102, Jan. 22.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Torsion meter. 2,586,540, Feb. 19.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system using rectifiers back to back. 2,586,821, Feb. 26.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage sensitive circuit. 2,590,248, Mar. 25.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling line and private branch exchange line identifier. 2,600,502, June 17.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Counter circuit. 2,616,627, Nov. 4.
Holdenline Company, assignee: *See*—
Wise, Gary E.
Holder, Arthur, Durham, and T. Niedszwecki, Rockfall, assignors to The Merriam Manufacturing Company, Durham, Conn. Compartmented container or tray. 2,587,726, Mar. 4.
Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Production of hydrocarbons from a granular solid reactant. 2,595,255, May 6.
Holder, Kenneth: *See*—
Fales, Emanuel F., Sr., and Holder.
Holdredge, Harley, Valley Center, Calif. Combined brooder and runs. 2,593,029, Apr. 15.
Holdren, Donald R., West Liberty, Ohio. Article arranging apparatus. 2,592,141, Apr. 8.
Holdren, Le Roy D., assignee: *See*—
Kneintz, Robert F.
Holdstock, Norman G., Schenectady, N. Y., assignor to General Electric Company. Silicone greases. 2,606,153, Aug. 5.
Holdsworth, Ernest C.: *See*—
Milner, David W., and Holdsworth.
Hole, William L., Honolulu, Territory of Hawaii. Photoelectric fluid inspection and control device. 2,588,981, Mar. 11.
Holford, Frank L., Towson, Md., assignor to The Black & Decker Mfg. Co. Mounting head for abrasive disks. 2,620,605, Dec. 9.
Holgersson, Sighjörn P. H. E., Ockelbo, Mac S. Rudberg and D. R. Rydberg, Storvik, Sweden. Apparatus for sampling pulp. 2,615,339, Oct. 28.
Holik, Frank J., Amarillo, Tex. Tone arm holder. 2,583,845, Jan. 29.
Holkesvig, Orlando A.: *See*—
Bingham, James B., Holkesvig, and Herberg.
Holl, Charles, New York, N. Y. Gem setting and articles of jewelry made therefrom. 2,584,207, Feb. 5.
Holl, James W. F., Los Angeles, Calif. Wheel balancing machine. 2,592,804, Apr. 15.
Holl, Raymond: *See*—
Felden, Geoffrey B. R., Simons, and Holl.
Hollabaugh, Max G., Jackson Heights, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Reiterating system. 2,601,289, June 24.
Holland, Arnold J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Vitamin B_{12} recovery process. 2,621,144, Dec. 9.
Holland, Arthur A., Pensacola, Fla. Dehydration of mineral salts and the like. Re. 23,608, Dec. 30.
Holland, Clarence G.: *See*—
Taylor, Edward C., Holland, and Cunha.
Holland, Edmund D.: *See*—
Ashton, Benjamin N., Holland, and Wulff.
Holland, Ernest O., and J. B. Smith, assignors to Pye Limited, Cambridge, England. Television test signal generator. 2,591,816, Apr. 8.
Holland, George: *See*—
Corbet, Harold L., Holland, and Murray.
Holland, George C., Hollins, Va. Fruit basket. 2,584,350, Feb. 5.

Holland Hitch Company, assignee: *See*—
Ketel, Henry.
Holland, Jacob A., deceased, Brady, Tex.; L. A. Holland, administratrix. Well fishing tool. 2,614,881, Oct. 21.
Holland, James C., Los Angeles, Calif. Apparatus for moving small houses and the like. 2,588,001, Mar. 4.
Holland, Lena A., administratrix: *See*—
Holland, Jacob A.
Holland, W. L., Limited, assignee: *See*—
Hulse, John W.
Holland, William M., Indianapolis, Ind. Railroad car for transporting road vehicles. 2,585,126, Feb. 12.
Holland, William W., Baltimore, Md., assignor to The Gyro Process Company, Detroit, Mich. Temperature control in shock-chilling petroleum vapor phase conversion products. 2,608,527, Aug. 26.
Holland, William W., Baltimore, Md., assignor to The Gyro Process Company, Detroit, Mich. Separation of powdered catalyst from a stream of gaseous hydrocarbons. 2,614,659, Oct. 21.
Hollander, Albert A., Weymouth, Mass. Fishing reel. 2,607,548, Aug. 19.
Hollander, William L.: *See*—
Hubbard, David C., and Hollander.
Hollander, William L., assignor to A. B. Chance Company, Centralia, Mo. Strain bar assembly. 2,618,681, Nov. 18.
Hollandsworth, George W., deceased, Knox, Ind., E. Busse, executrix. Spreader disk mounting for colter blades. 2,601,019, June 17.
Hollcroft, Joseph D., Kermit, Tex. Self-cleaning gas safety tank. 2,580,547, Jan. 1.
Hollembeak, Ruluff A., W. E. Highley, and R. F. Smith, assignors to Carter Carburetor Corporation, St. Louis, Mo. Windshield wiper control system having means to isolate booster pump during parking. 2,623,351, Dec. 30.
Hollenberg, Arthur V., St. Albans, N. Y., assignor to the United States of America as represented by the Secretary of War. Standing wave ratio indicator. 2,611,103, Sept. 16.
Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Combination coupling and governor for producing axial movement. 2,584,703, Feb. 5.
Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Dishwasher or the like. 2,595,659, May 6.
Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Dishwasher or the like. 2,595,660, May 6.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake structure. 2,596,556, May 13.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Wheel structure. 2,611,655, Sept. 23.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Debooster. 2,622,530, Dec. 23.
Holley Carburetor Company, assignee: *See*—
Colvin, Clifford, and Bettoni.
Holley, Earl, assignee: *See*—
Bettoni, Eugene C.
Bobier, Wilfred S., Jr.
Colvin, Clifford.
Egerer, William E., Medley, and Kittler.
Keil, Leonard W.
Orr, Andrew W., Jr.
Sterner, Melvin.
Udale, Stanley M.
Holley, George M., assignee: *See*—
Bettoni, Eugene C.
Bobier, Wilfred S., Jr.
Colvin, Clifford.
Egerer, William E., Medley, and Kittler.
Keil, Leonard W.
Orr, Andrew W., Jr.
Sterner, Melvin.
Udale, Stanley M.
Holley, Lloyd E., Harrisburg, Pa. Mirrored cabinet and means to illuminate an object in front thereof. 2,609,485, Sept. 2.
Holliday, Ivar M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gyroscope control system for dirigible craft. 2,591,938, Apr. 8.
Holliday, John B.: *See*—
Mordell, Donald L., and Holliday.
Holliday, Kenneth H.: *See*—
Clarke, Albert E., North, Holliday, and Clarke.
Hollinger, Harry C.: *See*—
Tranter, Watson W., and Hollinger.
Hollingshead, R. M., Corporation, assignee: *See*—
Bagley, Thomas J.
Esposito, Vito.
Hollingsworth, Carl W., Marshalltown, Iowa, assignor of one-half to T. J. Kemp, Lincoln, Nebr. Piston and piston ring combination. 2,608,452, Aug. 26.
Hollingsworth, John H.: *See*—
Bedell, Karl L., and Hollingsworth.
Hollingsworth, John H., Altadena, and K. L. Bedell, assignors to Holly Manufacturing Company, Pasadena, Calif. Gas-burning wall heater. 2,602,441, July 8.
Hollingsworth, John W., assignor to Walker Manufacturing Company, Philadelphia, Pa. Supporting hook for heddle bars. 2,584,585, Feb. 5.
Hollingsworth, Lowell M., Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Measuring device. 2,597,327, May 20.
Hollins, Jesse R., Brooklyn, N. Y. Vehicle light indicator. 2,598,056, May 27.
Hollins, Jesse R., Brooklyn, N. Y. Switch for directional and clearance lamps. 2,598,657, May 27.
Hollins, Jesse R., Brooklyn, N. Y. Emergency stop flasher signal system. 2,607,840, Aug. 19.
Hollins, Jesse R., Brooklyn, N. Y. Switch for emergency stop flasher signal system. 2,607,864, Aug. 19.
Hollinshead, James A., assignor to Consolidated Paper Company, Monroe, Mich. Container. 2,598,123, May 27.
Hollinshead, James A., assignor to Consolidated Paper Company, Monroe, Mich. Container end closure. 2,603,400, July 15.
Hollis, Robert F.: *See*—
Breyfogle, Roy H., and Hollis.
Hollis, Robert F., assignor to Alton Box Board Company, Alton, Ill. Valve. 2,590,318, Mar. 25.
Hollis, Theo W.: *See*—
Van Brunt, Willard K., and Hollis.
Hollman, Peter I., Rockford, Ill., assignor to Geo. D. Roper Corporation. Flash tube. 2,605,822, Aug. 5.
Hollmann, Franz., assignor to O. H. Dräger, Lubeck, Germany. Oxygen breathing apparatus. 2,617,414, Nov. 11.
Hollmann, Hans E., Oxnard, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Force measuring system employing piezo-capacitors. 2,614,416, Oct. 21.
Hollnagel, Harold S.: *See*—
Burmeister, Louis, and Hollnagel.
Hollopeter, Everett, Rush, N. Y. Anchor device for construction blocks. 2,605,668, Aug. 5.
Holloway, Dennis G., assignor to British Telecommunications Research Limited, Taplow, England. Balanced modulator. 2,600,873, June 17.
Holloway, John H., Green Bay, Wis. Governor having spring load and means for adjustably controlling spring scale. 2,619,075, Nov. 25.
Holloway, Marshall G., Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for measuring beam current. 2,616,053, Oct. 28.
Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works. Multiplane X-ray apparatus. 2,595,260, May 6.
Holly, Frederick W., Cranford, C. H. Shunk, Scotch Plains, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 6,7-dichloro-9-(1'-D-sorbityl)-isoalloxazine. 2,621,175, Dec. 9.
Holly Manufacturing Company, assignee: *See*—
Bedell, Karl L., and Hollingsworth.
Hollingsworth, John H., and Bedell.
Hollyday, William C., Jr.: *See*—
Garber, John D., and Hollyday.
Hollyday, William C., Jr., Fanwood, N. J., assignor to Standard Oil Development Company. Purification of acrylate and methacrylate esters. 2,618,652, Nov. 18.
Hollymade Hardware Manufacturing Company, assignee: *See*—
Cerf, Robert C., Jr.
Hollywood, John M., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Automatic tuning control. 2,609,490, Sept. 2.
Holm, Carl H., Honolulu, Territory of Hawaii. Preventing collision between moving vehicles. 2,605,393, July 29.
Holm, Carl M., Wood-Ridge, N. J. Manually formable skid chain strap applying tool. 2,603,993, July 22.
Holm, Erik G., Hagalund, assignor to Lumalampan Aktiebolag, Stockholm, Sweden. Holder device for end-capped electrical discharge tubes provided with starter switches. 2,592,142, Apr. 8.
Holm, Johan A., Malatrask, Sweden. Automatic fishing reel brake. 2,588,837, Mar. 11.
Holm, Luther E., Kenosha, Wis. Hospital bed adjusting mechanism. 2,620,489, Dec. 9.
Holm, Sven: *See*—
Karlsson, Per H., and Holm.
Holm, Sven, and A. Jensen, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Pin fin heat exchanger. 2,595,457, May 6.
Holm, Torkil, Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon ortho esters. 2,611,787, Sept. 23.
Holman, Arthur J., Brighton, N. Y. Equatorial polishing generator. 2,586,334, Feb. 19.
Holman, Arthur J., Brighton, N. Y. Equatorial generator for multiple lens grinding. 2,595,360, May 6.
Holman, Bernard H., assignor to Eastman Kodak Company, Rochester, N. Y. Silver recovery from sodium thiosulfate solutions. 2,607,721, Aug. 19.

Holman, Emmette R., Pasadena, and J. L. Mathis, Ranchita, assignors to Turco Products, Inc., Los Angeles, Calif. Composition for cleaning aluminum and aluminum alloy surfaces preparatory to spot welding. 2,585,127, Feb. 12.

Holman, Erwin W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,594,019, Apr. 22.

Holman, Harry R., and B. C. Barnes, Riverside, Calif. Device for outdoor heating. 2,598,544, May 27.

Holmbeck, John D., assignor to The James Knights Company, Sandwich, Ill. Crystal holder. 2,597,797, May 20.

Holmdahl, Arthur C., assignor to Midwest Metal Stamping Co., Kellogg, Iowa. Signal means for basketball baskets. 2,593,758, Apr. 22.

Holmen, Torleif K., Brooklyn, assignor to Rugcrofters, Inc., New York, N. Y. Carpet tufting and pile cutting device. 2,591,939, Apr. 8.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Valve for respiratory devices. 2,588,118, Mar. 4.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Demand valve control mechanism. 2,608,971, Sept. 2.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Respiratory device. 2,616,442, Nov. 4.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic safety and pressure breathing means. 2,619,959, Dec. 2.

Holmes, Bradford B., New York, N. Y., and J. L. Pauly, Hasbrouck Heights, assignors to Bendix Aviation Corporation, Teterboro, N. J. High-pressure valve. 2,590,702, Mar. 25.

Holmes, Calvin J., Terre Haute, Ind. Portable grandstand. 2,587,159, Feb. 26.

Holmes, Dorothy M., administratrix: *See*—
Holmes, Lawrence J.

Holmes, Earl H., Louisville, Ky. Hemorrhoid truss. 2,615,445, Oct. 28.

Holmes, Earl W., Burlington, Wash. Hydraulically operated mobile weed and brush cutter. 2,588,002, Mar. 4.

Holmes, Earl W., Burlington, assignor to Hall Machine and Iron Works, Inc., Mount Vernon, Wash. Hydraulically operated reciprocating sickle mechanism. 2,588,003, Mar. 4.

Holmes, Earl W., Burlington, Wash. Control means for hydraulically operated weed and brush cutters. 2,588,004, Mar. 4.

Holmes, Edward P., Steeple Aston, England, assignor to Super Tension Cables Limited, Glasgow, Scotland. Metal sheathed electric cable having heat-reflective layer. 2,603,684, July 15.

Holmes, Eric L.: *See*—
Pemberton, Roland T., and Holmes.

Holmes, Frank G., Philadelphia, Pa. Dual window washing device. 2,580,783, Jan. 1.

Holmes, Grace, assignee: *See*—
Gibler, Roy F.

Holmes, Gray W., Miller, Mo. Tractor mowing attachment. 2,590,537, Mar. 25.

Holmes, Gray W., Miller, Mo. Mowing and shrub trimming attachment for tractors. 2,603,930, July 22.

Holmes, Harleigh R., assignor to Coleman Motors Corporation, Littleton, Colo. Wheel construction for front wheel drives. Re. 23,465, Mar. 4.

Holmes, Harris V., Marathon, N. Y. Saw gumming and sharpening machine. 2,605,654, Aug. 5.

Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Leveling mechanism for headlight testers. 2,598,794, June 3.

Holmes, Hoy M., Charleston, W. Va. Terating brick during construction. 2,603,574, July 15.

Holmes, John A., assignee: *See*—
Hooks, John P.

Holmes, John C., Signal Mountain, assignor to J. Curtis Manufacturing Co., Chattanooga, Tenn. Vacuum booster for internal-combustion engines. 2,615,299, Oct. 28.

Holmes, John C., Chattanooga, Tenn. Spring jack. 2,622,845, Dec. 23.

Holmes, John H., Bridgeport, Conn. Traction assist appliance. 2,599,634, June 10.

Holmes, John L., assignee: *See*—
Holmes, Lawrence J.

Holmes, John R., and A. Schwarz, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Condenser. 2,610,832, Sept. 16.

Holmes, John S., Baroda, Mich. Toilet paper dispensing device. 2,603,427, July 15.

Holmes, Kenneth C.: *See*—
Bowers, Frank, Joseph, and Holmes.

Holmes, Lawrence J., deceased, Jackson Heights, N. Y.; D. M. Holmes, administratrix, assignor to J. L. Holmes, Baltimore, Md. Prefabricated structural assembly. 2,604,342, July 22.

Holmes, Leslie, Belair, and V. F. Harris, Blair Athol, assignors to British Tube Mills (Australia) Proprietary Limited, Kilburn, South Australia, Australia. Feed for drawbenches or the like. 2,605,889, Aug. 5.

Holmes, Loua D.: *See*—
Keller, Gerald B., and Holmes.

Holmes, Louis D., Blue Island, assignor to Whiting Corporation, Harvey, Ill. Two-way car washer of the rotary power-driven brush type. 2,589,255, Mar. 18.

Holmes, Louis D., Blue Island, W. J. Haaksma, Harvey, and R. S. Hammond, Winnetka, Ill., assignors to Whiting Corporation. Vehicle body support. 2,614,504, Oct. 21.

Holmes, Otis M.: *See*—
Butler, Ernest L., and Holmes.

Holmes, Otis M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Guard for sewing machines. 2,589,382, Mar. 18.

Holmes, Raymond S., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Ammunition. 2,582,124, Jan. 8.

Holmes, Raymond S., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Ammunition. 2,582,125, Jan. 8.

Holmes, Robert G.: *See*—
Spooner, David C., Jr., and Holmes.

Holmes, Robert G., Bridgeport, Conn., assignor to General Electric Company. Temperature responsive control circuit. 2,588,926, Mar. 11.

Holmes, Thomas J., Everett, Mass. Manual atomizer. 2,616,762, Nov. 4.

Holmes, Trent H., Middletown, assignor, by mesne assignments, to Niles-Bement-Pond Company, Hartford, Conn. Relief valve construction. 2,588,527, Mar. 11.

Holmes, W. C., & Company Limited, assignee: *See*—
Cooper, Charles.

Holmes, Willis G., Pembroke, Mass. Weather-resistant support and housing for electrical devices. 2,602,107, July 1.

Holmgren, Eric L., assignor to Kuhlman Electric Co., Bay City, Mich. Apparatus for winding and producing coils. 2,584,208, Feb. 5.

Holmgren, Fred P., Chicago, Ill. Fishing lure. 2,605,572, Aug. 5.

Holmgren, Ragnar W., Flint, Mich. Key case. 2,593,030, Apr. 15.

Holmlund, Evar A., Jamestown, N. Y. Safety lock for the clamps of mixing machines. 2,599,833, June 10.

Holmqvist, Nils E. F., Stockholm, Sweden. Tool for mounting metal strips on rods. 2,623,275, Dec. 30.

Holmqvist, Seth A., Appelviken, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for transformation of a measuring quantity into movements of adjustable members. 2,585,317, Feb. 12.

Holmsten, Neil O., New Rochelle, N. Y. French window lock. 2,597,583, May 20.

Holmsten, Neil O., New Rochelle, N. Y. Lock mechanism for window latches. 2,613,523, Oct. 14.

Holmsten, Neil O., New Rochelle, N. Y. Locking mechanism for window latches. 2,613,524, Oct. 14.

Holmsten, Neil O., New Rochelle, N. Y. Locking mechanism for window latches. 2,613,525, Oct. 14.

Holmsten, Neil O., New Rochelle, N. Y. Window lock. 2,613,526, Oct. 14.

Holmsten, Neil O., New Rochelle, N. Y. Fastening device. 2,613,970, Oct. 14.

Holmwood, Richard H.: *See*—
Wagner, John L., and Holmwood.

Holmwood, Richard H., Binghamton, N. Y., and P. A. Hauck, Union, N. J., assignors to International Business Machines Corporation, New York, N. Y. Strip applying device. 2,615,492, Oct. 28.

Holody, John J., Chicago, Ill. Automobile heating and ventilating apparatus. 2,602,878, July 8.

Holophane Company, Inc., assignee: *See*—
Logan, Henry L.
McPhail, Robert G.
Wince, Pearl S.

Holroyd, Harry H., Camden, N. J. Tear gas gun. 2,599,177, June 3.

Holschuh, Carl G., Glen Head, G. E. White, Hempstead, W. W. Mieher, Mineola, and J. E. Shepherd, Hempstead, N. Y., assignors to The Sperry Corporation. Radio gun control system. 2,617,982, Nov. 11.

Holsclaw, Charles H., Evansville, Ind. Suspending boats from trailers. 2,600,406, June 17.

Holser, William T., Los Angeles, Calif. Radio echo system for mapping contours. 2,616,077, Oct. 28.

Holst, Gilles: *See*—
Rodenburg, Gudo H., and Holst.

Holst, Hans E. E.: *See*—
Norrefeldt, Ernst E. A., and Holst.

Holst, Hans E. E., Lidingo, assignor to Hyresgasternas Sparkasse-och Byggnadeforeningars Riksforbund u. p. a., Stockholm, Sweden. Dismountable case. 2,582,126, Jan. 8.

Holst, Rasmus A., Idaho Falls, Idaho. Pulley structure for belt conveyers. 2,603,099, July 15.

Holstein, Alvin W., assignor to Knapp-Monarch Company, St. Louis, Mo. Speed control for motors. 2,623,961, Dec. 30.

Holstein, Alvin W., assignor to Knapp-Monarch Company, St. Louis, Mo. Speed control for motors. 2,623,962, Dec. 30.

Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyers. 2,623,631, Dec. 30.

Holstein, John H., Fresno, Calif., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for producing varying speed gearing. 2,616,336, Nov. 4.

Holstein, John H., Fresno, Calif. Banding machine. 2,623,673, Dec. 30.

Holstein, Theodore D.: *See*—
Alpert, Daniel, Krasik, and Holstein.

Holsten, Clarence T., Columbia Heights, Minn. Portable landing dock. 2,618,124, Nov. 18.

Holstensson, Axel H., assignee: *See*—
Wennerbo, Erik, and Svensson.

Holt, Albert T., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Propeller reversing throttle. 2,594,927, Apr. 29.

Holt, Alfred, Epsom, Auckland, New Zealand. Machine for cleaning eggs, fruit, and the like. 2,620,603, Dec. 9.

Holt, Charlie K.: *See*—
Carlin, Deldon E., and Holt.

Holt, Clarence E.: *See*—
Cloedy, Frederick W., and Holt.

Holt, Edwin M., Durham, N. C. Air drier for warp. 2,583,427, Jan. 22.

Holt, Francis R., Independence, Oreg. Portable keyseating device. 2,602,375, July 8.

Holt, George A.: *See*—
Ricardo, Harry R., and Holt.

Holt, George W., Minneapolis, and W. G. Kubicek, Rosemount, assignors to Regents of The University of Minnesota, Minneapolis, Minn. Tracheotomy inhaler apparatus. 2,584,450, Feb. 5.

Holt, Gunnard T., and J. K. Stotz, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Power plant regulation. 2,598,124, May 27.

Holt, Herbert B. W., Burpham, Guildford, assignor to P. A. M. Limited, Westminster, England. Thermionic tube control system. 2,607,005, Aug. 12.

Holt, Joseph P., Bryn Mawr, Pa. Sleeping mattress. 2,595,946, May 6.

Holt, Marcus L., Lookout Mountain, Tenn., and J. B. Brock, Adairsville, Ga. Vending machine for cylindrical articles. 2,615,773, Oct. 28.

Holt, Matthew L., Madison, Wis., and H. J. Seim, Reno, Nev., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Electrodeposition of alloys of molybdenum with cobalt, nickel, and iron. 2,599,178, June 3.

Holt, Raymond B., Alhambra, Calif. Filing apparatus. 2,589,383, Mar. 18.

Holt, Raymond B., and C. H. Rountree, Alhambra, Calif. Filter for exhaust pipes of internal-combustion engines. 2,620,893, Dec. 9.

Holt, William E., Oakland, Calif. Floor sanding machine. 2,596,689, May 13.

Holt, William J., Jr., assignor to Varo Mfg. Co., Inc., Garland, Tex. Saturable transformer. 2,586,657, Feb. 19.

Holt, William J., Jr., assignor to Varo Mfg. Co., Inc., Garland, Tex. Electric translating system. 2,590,319, Mar. 25.

Holt, William J., Jr., Garland, Tex. Wire stripper. 2,601,797, July 1.

Holt, William J., Jr., Garland, Tex. Voltage regulator. 2,621,321, Dec. 9.

Holten, John C., St. Paul, Minn. Adjustable chair. 2,602,489, July 8.

Holterhoff, Hans A., New York, N. Y. Apparatus for producing moire fabrics. 2,598,795, June 3.

Holton, Arthur B.: *See*—
Walton, William T., and Holton.

Holton, Robert L., Beggs, Okla. Game skinning rack. 2,610,356, Sept. 16.

Holtz, George F., Brooklyn, N. Y., and S. Bernstein, Oakland, Calif. Fishing line washing and drying apparatus. 2,592,143, Apr. 8.

Holub, Carl, assignee: *See*—
Kaufmann, Karl.

Holveck, Joseph E., Upper Montclair, and A. G. Rockwood, Nutley, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic debarker. 2,587,473, Feb. 26.

Holzapfel, Otto, Chicago, Ill. Electrical pull-cord socket. 2,595,851, May 6.

Holzbaur, Eugen: *See*—
Volk, Karl, Holzbaur, and Klemm.

Holzer, Theodore H., Glendale, assignor to Saval Division of The William R. Whittaker Company, Ltd., Los Angeles, Calif. Three-position, four-way selector valve. 2,601,990, July 1.

Holzhauser, Werner L., Ukiah, Calif. Remote-control steering attachment for outboard motors. 2,598,383, May 27.

Holzinger, Alfred S.: *See*—
Lense, Ralph J., and Holzinger.

Holzworth, Ernest H., Buffalo, N. Y. Shaker conveyer. 2,608,289, Aug. 26.

Homa, Adam G., Brooklyn, N. Y. Fishing spinner lure. 2,619,761, Dec. 2.

Hom-Ade Inc., assignee: *See*—
Bosa, Louis.

Homan, John, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery plate and forming same. 2,590,703, Mar. 25.

Homasote Company, Incorporated, assignee: *See*—
Becher, Hubert L.

Home Curtain Corp., assignee: *See*—
Lepow, Edward J.

Home Furnace Company, assignee: *See*—
Harbin, Frank, Jr.

Homer, Charles E., Highland, Ind. Flying saw. 2,582,332, Jan. 15.

Homer, Herbert: *See*—
Rooksby, William H., Homer, and Burgess.

Homer Laughlin China Company, The, assignee: *See*—
Emerson, Walter H.

Homer, Thomas R., Bellflower, assignor to Lane-Wells Company, Los Angeles, Calif. Electrical logging in well bores. 2,622,124, Dec. 16.

Homestead Valve Manufacturing Company, assignee: *See*—
Ofeldt, Frank W.

Homeyer, Arthur C., Essex Fells, N. J. Heat pump system. 2,597,729, May 20.

Homeyer, August H., Webster Groves, and G. B. De La Mater, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparation of 8-chlorotheophylline. 2,614,105, Oct. 14.

Hommel, Maurice C.: *See*—
Currie, Chester C., and Hommel.

Hommel, Maurice C., Bay City, assignor to Dow Corning Corporation, Midland, Mich. Siloxane lubricants. 2,599,917, June 10.

Hommel, Theodore, Webster Groves, assignor to Universal Match Corporation, St. Louis, Mo. Photoengraving equipment. 2,600,295, June 10.

Hompe, Robert W.: *See*—
Hall, Claude C., Hompe, and Martell.

Homrighous, John H., Oak Park, Ill. Distant control system. 2,603,780, July 15.

Homrighous, John H., Oak Park, Ill. Color television system. 2,605,349, July 29.

Homrighous, John H., Oak Park, Ill. Single beam three color cathode-ray tube. 2,605,434, July 29.

Homrighous, John H., Oak Park, Ill. Television system. 2,612,553, Sept. 30.

Homrighous, John H., Oak Park, Ill. Multiplex time division radiophone. 2,613,276, Oct. 7.

Homrighous, John H., Oak Park, Ill. Time division multiplex radiophone system. 2,616,080, Oct. 28.

Homs, Inc., assignee: *See*—
Oliver, Edward M., and Malherbe.

Hon, Dan K., Jr., Paris, Ill. Conveyer system for unloading wagons. 2,605,913, Aug. 5.

Honegger, Emil, assignor to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, Zurich, Switzerland. Accelerating the conditioning of textiles after drying. 2,595,261, May 6.

Honegger, Ernst, Hinwil, Switzerland. Thread guide device on a shuttle. 2,604,909, July 29.

Honegger, Pierre P., Conches, Switzerland. Cock. 2,582,631, Jan. 15.

Hönel, Herbert, Hamburg-Wandsbek, Germany, and H. Manzano, Vienna, Austria. Resol-alkyd resin product. 2,613,198, Oct. 7.

Honen, Carl J., assignor to The McKay Machine Company, Youngstown, Ohio. Burr remover. 2,601,812, July 1.

Honey, Burton, Okanogan, Wash. Collapsible vehicle boom. 2,616,666, Nov. 4.

Honeycutt, Connie H., Houston, Tex. Axially collapsing type tire removing hand tool. 2,582,869, Jan. 15.

Honeycutt, Connie H., Houston, Tex. Lever actuated tire bead loosening tool. 2,622,665, Dec. 23.

Honeycutt, Connie H., Houston, Tex. Tool for separating two-part rims or wheels of vehicles. 2,622,666, Dec. 23.

Honeycutt, Earl M., Claymont, Del., assignor to Sun Oil Company, Philadelphia, Pa. Recovery of deashed oil and naphthenic acids from residuum stocks. 2,600,537, June 17.

Honeycutt, Earl M., Claymont, Del., assignor to Sun Oil Company, Philadelphia, Pa. Solvent extraction of naphthenic acids. 2,610,209, Sept. 9.

Honeycutt, James V., J. Platis, and J. A. Marchand, Corpus Christi, Tex. Coupling pin. 2,593,453, Apr. 22.

Honeycutt, Walter A., Washington, D. C. Apparatus for making tufted work. 2,610,436, Sept. 16.

Honeyman, Henry W., Jr., and H. W. Honeyman, 3rd., Riverside, R. I. Method and apparatus for forming ladder web slat supports for Venetian blinds. 2,586,822, Feb. 26.

Honeyman, Henry W., 3rd.: *See*—
Honeyman, Henry W., Jr., and Henry W. Honeyman, 3rd.

Honig, Herbert, New York, N. Y. Polishing composition. 2,613,192, Oct. 7.

Honiss, William T., West Hartford, Conn., assignor to Emhart Manufacturing Company. Thrust and radial supporting bearing. 2,617,696, Nov. 11.

Honkanen, Kay H.: *See*—
Derwén, Erik W., and Honkanen.

Honn, Ray G., assignee: *See*—
Shippey, Albert J.

Honnig, Roland W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Molding magnesia insulation material. 2,609,733, Sept 9.

Honnig, Roland W., Plainfield, and L. A. Hawthorne, Hillside, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Block molding apparatus. 2,588,838, Mar. 11.

Honnoré, Michel A. J., and P. M. F. Zens, Paris, France. Gear shifting in high-power manifold units. 2,590,861, Apr. 1.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Beveridge, Harold N.
Boyd, Winnett, and Tupper.
Kusters, Norbert L.
Sirianni, Aurelio F., and Puddington.
Stedman, Donald F.

Honorat, Georges: *See*—
Bataille, Roger, and Honorat.

Honzik, Lumir J., assignee: *See*—
Bishop, Oliver W.

Hoock, William S.: *See*—
Beare, Leonard E., Kleinholz, and Hoock.

Hood, Andrew, Arlington, assignor to The Daven Company, Newark, N. J. Electrical switch. 2,597,083, May 20.

Hood, Archie: *See*—
Lange, Willy, and Hood.

Hood, E. Elliott, Elmira, N. Y., assignor to Bendix Aviation Corporation. Vehicle wheel brake. 2,612,968, Oct. 7.

Hood, Edwin E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Two-speed gearing for bicycles. 2,609,712, Sept. 9.

Hood, Florence H., assignee: *See*—
McDonald, Taylor M.

Hood, James D.: *See*—
Phelps, Byron E., and Hood.

Hood, James D., Owego, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,605,899, Aug. 5.

Hood, James W., Chicago, Ill. Forced circulation boiler. 2,614,543, Oct. 21.

Hood, Myron E., assignee: *See*—
Chapplow, William L.

Hood, Ralph S., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Method and apparatus for filling containers. 2,595,262, May 6.

Hood, Ralph S., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Feeding apparatus. 2,604,246, July 22.

Hoody, Edward A., Dundalk, Md. Noose releasing honda. 2,592,696, Apr. 15.

Hooe, Hunter E.: *See*—
Connor, Roger, and Hooe.

Hooe, Hunter E., assignor to The McBee Company, Athens, Ohio. Spread sheet. 2,598,379, May 27.

Hoog, Han: *See*—
Van Bavel, Thomas H., Hoog, and Wijga.

Hoog, Han, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Refining carbonaceous material. 2,608,521, Aug. 26.

Hoog, Han, and W. F. Engel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of pyridines. 2,603,645, July 15.

Hoog, Han, and W. F. Engel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of pyridines. 2,605,264, July 29.

Hoog, Helmer, assignee: *See*—
Lagher, Gunnar H.

Hoogland, Jelle G.: *See*—
Goebel, Johannes, Bakker, and Hoogland.

Hook, Donald E.: *See*—
Barry, Arthur J., De Pree, and Hook.

Hook, Edwin O.: *See*—
Cook, Elmer W., Moss, and Hook.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y. S-alkoxymethyl-O,O'-dialkyldithiophosphates. 2,586,655, Feb. 19.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Seldovia, Alaska, assignors to American Cyanamid Company, New York, N. Y. S-aminoalkylidene dithiophosphoric acid triesters. 2,586,656, Feb. 19.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y. Dithiophosphate esters as insecticides. 2,596,076, May 6.

Hook, Edwin O., Old Greenwich, Conn., and E. W. Cook, assignors to American Cyanamid Company, New York, N. Y. Plasticizing natural and synthetic elastomers by incorporation of N-isopropyl thiosalicylamide. 2,603,617, July 15.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Seldovia, Alaska, assignors to American Cyanamid Company, New York, N. Y. Hydrocarbon oils containing S-alkoxy-methyl-O,O'-dialkyldithiophosphates. 2,614,088, Oct. 21.

Hook, Russell P., and C. J. Green, assignors to Norton Company, Worcester, Mass. Cam grinding machine. 2,599,453, June 3.

Hooker, Donald E., Skokie, assignor to R. T. Moloney, Chicago, Ill. Probability and proportioning switch. 2,601,524, June 24.

Hooker, Donald E., Skokie, assignor to R. T. Moloney, Chicago, Ill. Oscillating ball reprojector. 2,610,058, Sept. 9.

Hooker, Donald E., Skokie, and R. H. Breither, Mount Prospect, assignors to R. T. Moloney, Chicago, Ill. Ball game switch. 2,610,277, Sept. 9.

Hooker Electrochemical Company, assignee: *See*—
Maude, Aylmer H., and Rosenberg.
Rosenberg, David S.
Rucker, John T.
Sonia, Joseph A., and Lisman.

Hooker, Oliver W.: *See*—
Schnuck, Carl F., and Hooker.

Hook-Flex Company, assignee: *See*—
Markin, Louis.

Hooks, Arnold D., Washington, D. C. Protective means to prevent double exposure of film magazines. 2,585,246, Feb. 12.

Hooks, John P., assignor of fifteen per cent to J. A. Holmes, Chicago, Ill. License plate holder. 2,599,259, June 3.

Hoop, John G.: *See*—
Peck, Clarence E., and Hoop.

Hooper, F. X., Company, Inc., assignee: *See*—
Mumma, Elmer L.

Hooper, Norbert, assignor to Tweedales and Smalley (1920) Limited, Castleton, Rochdale, England. Ring spinning machine. 2,590,621, Mar. 25.

Hooper, William J., Elsah, Ill., assignor, by mesne assignments, to W. C. Huebner, New York, N. Y. Electric printing. 2,583,375, Jan. 22.

Hoopes, Penrose R., and G. C. Froelich, assignors to Selas Corporation of America, Philadelphia, Pa. Apparatus for orienting and aligning cylindrical-shaped articles. 2,615,556, Oct. 28.

Hoosac Mills Corporation, assignee: *See*—
Hoober, Harold.

Hoot, Frank J., Tulsa, Okla. Antibacklash reel. 2,601,021. June 17.

Hoover, Charles D.: *See*—
Reynard, Chauncey G., and Hoover.

Hoover Company, The, assignee: *See*—
Beach, Justice H.
Berg, Quentin.
Binggely, Elmer C.
Brace, George A.
Coons, Curtis C.
Coons, Curtis C., and Sutton.
Cuddeback, Nelson C.
Daiger, George P.
Gardner, Roland H.
Gerber, Dale C.
Gerber, Dale C., Martin, and Snyder.
Gross, Alfred G.
Haydon, Edward K.
Humphrey, Warren A.
Humphrey, Warren A., and Sutton.
Kingston, Frederick S.
Kitto, William H.
Kroenlein, Henry A.
La Briere, Nelson W.
Martin, Frank A.
McQuilkin, Willard H.
Piper, Glenn T.
Segesman, Louis E.
Sellers, William D.
Smellie, Donald G.
Snyder, Eugene L.
Snyder, Eugene L., and Humphrey.
Sutton, Otis B.
Sutton, Otis B., and Wilson.
Troxler, Charles G.
Vance, John E.
Weiland, Edward A.
Whitaker, Uneas A.
White, Harry B.
Wilson, Herbert W.

Hoover, Daniel S., Mansfield, Ohio. Rotary swinging high lift loader. 2,584,804, Feb. 5.

Hoover, Frank G.: *See*—
Shoop, Glen C., and Hoover.

Hoover, Fred W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous materials. 2,606,883, Aug. 12.

Hoover, James K., Huntington, W. Va. Terminal block. 2,588,726, Mar. 11.

Hoover, Joseph J., Houston, Tex. Bus rack for publications. 2,623,669, Dec. 30.

Hoover, Judson R., Elmira, N. Y. Boat reversing mechanism for outboard motors. 2,608,946, Sept. 2.

Hoover, Merle V., Mountville, Pa., assignor to Radio Corporation of America. Electron tube protective system. 2,615,147, Oct. 21.

Hoover, Orville C., and J. A. Boren, Greensboro, N. C. Cupola furnace. 2,593,303, Apr. 15.

Hoover, Paul L., Cleveland, Ohio, and D. A. Brunton, Needham, Mass. Reel driving device. 2,584,453, Feb. 5.

Hoover, Richard D.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Hoover, Smith W., Kalamazoo, Mich. Container and rack for holding and pressing neckties. 2,587,850, Mar. 4.

Hoover, Vaino A., Los Angeles, Calif. Mechanical actuator. 2,590,251, Mar. 25.

Hoover, Vaino A., Los Angeles, Calif. Magnetic clutch. 2,618,368, Nov. 18.

Hoover (Washing Machines) Limited, assignee: *See*—
Colston, Archibald G.

Hooz, Benjamin, Los Angeles, and S. T. Mello, Bell Gardens, Calif.; said Mello assignor to said Hooz. Additional wheel attachment for two-wheel hand trucks. 2,598,168, May 27.

Hooz, Benjamin, Los Angeles, and S. T. Mello, Bell Gardens, Calif.; said Mello assignor to said Hooz. Hand truck. 2,605,117, July 29.

Hope, Henry B., Mount Vernon, assignor to R. H. Comey Company, Inc., Brooklyn, N. Y. Dewaxing paper. 2,614,922, Oct. 21.

Hope, Lawrence F., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Nonseismic torsiograph. 2,610,505, Sept. 16.

Hopf, Peter P.: *See*—
Dickenson, Haydn G., Chapman, and Hopf.

Hopf, Peter P., Orpington, and G. L. Hey, Luton, assignors to Ward Blenkinsop & Company Limited, London, England. Compositions and method for reducing the loss of crop by frost damage to flowering plants. 2,610,117, Sept. 9.

Hopfeld, Fred P., Elmwood Park, assignor to Grand Specialties Company, Chicago, Ill. Draftsman's and mechanic's instrument. 2,595,458, May 6.

Hopff, Heinrich, H. Spaenig, and C. Schuster, Ludwigshafen-on-the-Rhein, Germany. N-(beta-N'-phenyl-N'-benzylaminoethyl pyrrolidine. 2,623,880, Dec. 30.

Hopkes, Henry, New Baltimore, assignor to No-Sag Spring Company, Macomb County, Mich. Spring supporting clip. 2,613,734, Oct. 14.

Hopkes, Henry, Jr., Grosse Pointe Farms, assignor to No-Sag Spring Company, Detroit, Mich. Machine for forming springs having closed ends. 2,615,478, Oct. 28.

Hopkins, Alfred: *See*—
Drum, Harry S., and Hopkins.

Hopkins, Alfred, Philadelphia, H. S. Drum, Abington, and J. P. G. Patton, North Hills, assignors to Smith, Drum and Company, Philadelphia, Pa. Wool degreasing machine. 2,621,506, Dec. 16.

Hopkins & Buckland Limited, assignee: *See*—
Buckland, Stuart G., and Hopkins.

Hopkins, Cecil D., Madras, assignor to W. Krielaus, Oswego, Oreg. Refrigerator and its construction. 2,617,551, Nov. 11.

Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Machine tool. 2,590,102, Mar. 25.

Hopkins, Cecil W., and R. I. Eyler, assignors to Landis Machine Company, Waynesboro, Pa. Wheel dressing mechanism. 2,601,290, June 24.

Hopkins, Celestin J., Port Angeles, Wash. Motor vehicle passing signal. 2,597,584, May 20.

Hopkins, Cyril J.: *See*—
Lee, George A., Smith, and Hopkins.

Hopkins, Daniel M., Bridgeport, assignor to S. H. Ralph, Westport, Conn. Appliance for use in making frankfurter and hamburger sandwiches. 2,601,822, July 1.

Hopkins, Edward W., Longmeadow, Mass., assignor to the United States of America as represented by the Secretary of War. Alternate feed switch for firearms. 2,596,999, May 20.

Hopkins, George E.: *See*—
Buckland, Stuart G., and Hopkins.

Hopkins, George W., San Leandro, Calif., assignor to Friden Calculating Machine Co. Inc. Printing machine. 2,607,289, Aug. 19.

Hopkins, George W., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Ten key differential entry mechanism. 2,608,346, Aug. 26.

Hopkins, George W., San Leandro, and J. E. Grobl, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer mechanism. 2,597,487, May 20.

Hopkins, George W., San Leandro, and J. E. Grobl, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer control mechanism. 2,597,488, May 20.

Hopkins, George W., and D. L. Rolph, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc. Keyboard key. 2,615,548, Oct. 28.

Hopkins, Harold E., and A. L. Jentz, Milwaukee, Wis. Cable retractor for sewer machines. 2,619,665, Dec. 2.

Hopkins, Harris F.: *See*—
Glazer, Allan, Stryker, and Hopkins.

Hopkins, James O.: *See*—
Sandahl, Charles L., Jr., and Hopkins.

Hopkins, Lester M., Los Angeles, Calif. Fuel line valve lock. 2,594,559, Apr. 29.

Hopkins, Lionel P., Summit, N. J. Drying equipment. 2,617,206, Nov. 11.

Hopkins, Neil E., assignor to York Corporation, York, Pa. Reversible heat pump cycle with means for adjusting the effective charge. 2,589,384, Mar. 18.

Hopkins, Richard D., Berkeley, Calif. Bed frame. 2,582,832, Jan. 15.

Hopkins, Robert C., Alliance, Ohio. Burner equipment for rotary driers for aggregates. 2,592,899, Apr. 15.

Hopkins, Robert E., and D. Goldstein, assignors to Elgeet Optical Company, Inc., Rochester, N. Y. Wide-angle photographic objective. 2,594,020, Apr. 22.

Hopkins, Robert E., and D. G. Goldstein, assignors to Elgeet Optical Company, Inc., Rochester, N. Y. Wide-angle photographic objective. 2,594,021, Apr. 22.

Hopkins, Robert K., Staten Island, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Furnace electrode. 2,599,179, June 3.

Hopkins, Roy S.: *See*—
Schubert, Alvin E., Egan, and Hopkins.

Hopkins, William R., North Wilbraham, assignor to American Bosch Corporation, Springfield, Mass. Controlling combustion of internal-combustion engines. 2,592,284, Apr. 8.

Hopkinson, Harry, Lawrenceville, N. J. Flameproofing composition. 2,610,920, Sept. 16.

Hopp, Harold C., Des Plaines, assignor to Standard Cap and Seal Corporation, Chicago, Ill. Apparatus for packaging materials. 2,601,020, June 17.

Hopp, Philip, New York, N. Y. Dismounting implement for price tags. 2,622,913, Dec. 23.

Hopp, Robert E., assignor to C. B. Fitchett, Poughkeepsie, N. Y. Latch and pivot for folding rules. 2,584,451, Feb. 5.

Hopp, William F., Marissa, Ill. Combination muffler and heat exchanger. 2,620,167, Dec. 2.

Hoppe, Boris, Kew Gardens, N. Y. Kitchen cabinet arrangement and table. 2,580,784, Jan. 1.

Hopper, Dwight L.: *See*—
Colaiaco, August P., and Hopper.

Hopper, Francis C., Oakland, and Q. T. Wiles, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Spray drying soluble fusible polymers of unsaturated esters. 2,595,852, May 6.

Hopper, Paul F.: *See*—
Kaiser, Donald W., and Hopper.

Hopperstead, Sever L., Brighton, Mich., assignor to The B. F. Goodrich Company, New York, N. Y. Horticultural compositions. 2,600,245, June 10.

Hoppert, Filser D., East Longmeadow, Mass. Adjustable trigger mechanism. 2,590,862, Apr. 1.

Hoppes, Lloyd G., Hazelton, assignor to Insul-Wool Machinery Manufacturing Co., Wichita, Kans. Device for the mixing and dispensing of a plurality of materials. 2,596,898, May 13.

Hopps, Lewis: *See*—
Smith, Philip A., and Hopps.

Hopta, Joseph, Plainfield, N. J. Foldable pocket tool. 2,617,187, Nov. 11.

Hopton, Harold, Bismarck, N. Dak., and L. T. Wahlstrom, Chicago, Ill. Draft regulator. 2,588,239, Mar. 4.

Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Glass controlled dispensing valve. 2,590,177, Mar. 25.

Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Outlet for milk delivery cans. 2,622,764, Dec. 23.

Hora, Josef, deceased, Melide, Switzerland; by W. Trautwein, administrator, Burg, Germany, assignor to Gerber & Co., Melide, Switzerland. Buckle. 2,618,827, Nov. 25.

Hořansky, Eduard, assignor to Svit, národní podnik, Gottwaldov, Czechoslovakia. Device for the shaping of shoe heels and the like. 2,606,582, Aug. 12.

Horback, William B.: *See*—
Wickson, Edward J., Myles, and Horback.

Horback, William B., Irvington, E. J. Wickson, South Orange, and W. J. Myles, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Plasticized and stabilized cellulose propionate. 2,617,738, Nov. 11.

Hörberg, Erik A., Enskede, assignor to Lumalampan Aktiebolag, Stockholm, Sweden. Electric lamp bulb. 2,615,073, Oct. 21.

Horchler, Donn H.: *See*—
Marks, Henry C., and Horchler.

Horclois, Raymond J., Malakoff, France, assignor to Societe des Usines Chimiques Rhone-Poulenc. N-(dialkylaminoalkyl)phenthiazine theophylline acetates and preparing the same. 2,595,353, May 6.

Horeczy, Joseph T., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Polymerization of olefins and the alkylation of polymer. 2,612,531, Sept. 30.

Horgan, Edward J., Chicago, Ill. Platen for use with perforating and cutting machines. 2,600,165, June 10.

Hörgård, Asbjörn, Drontheim, Norway. Fishing net attachment. 2,590,249, Mar. 25.

Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing railway car axle construction. 2,607,638, Aug. 19.

Horikawa, Noboru R., Philadelphia, Pa. Ash receiver and extinguisher for cigarettes. 2,596,773, May 13.

Horine, Charles S., Lexington, Ky. Game board and playing pieces. 2,585,463, Feb. 12.

Horix Manufacturing Company, assignee: *See*—
Huggins, Leroy G., and Bulcao.

Horkan, George A., assignee: *See*—
McDonald, Taylor M.

Hörlein, Ulrich, Wuppertal-Elberfeld, Germany, assignor to Schenley Industries, Inc., New York, N. Y. Aminothiodiazoles. 2,619,489, Nov. 25.

Horlick, Gordon: *See*—
Durant, Lyndon A., and Horlick.

Horlick, Max, Brooklyn, N. Y. Cigarette extinguisher. 2,586,466, Feb. 19.

Horman, Alfred E., New York, N. Y. Excess flow check valve. 2,590,250, Mar. 25.

Hörmann, Helmut, Heubach, Germany. Back brace. 2,586,658, Feb. 19.
Hormann, Josef, Bellaire, N. Y. Apparatus for simulating a snowfall. 2,587,620, Mar. 4.
Hormuth, Frank J.: *See*—
Cook, Wayne S., and Hormuth.
Horn, Artemus J., Los Angeles, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Forced air flow air-heating furnace. 2,593,759, Apr. 22.
Horn, Edward O., Glen Ridge, N. J. Automatic reversing clutch. 2,619,209, Nov. 25.
Horn, Gerald B., Woodbury, N. J., and H. A. Lewis, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonating assembly. 2,586,541, Feb. 19.
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel cover. 2,584,452, Feb. 5.
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Cover plate for vehicle wheels. 2,618,513, Nov. 18.
Horn, Harry L., Dallas, Tex. Strip casting machine. 2,584,704. Feb. 5.
Horn, Harry L., assignor to Universal Mono-Tabular Corporation, Dallas, Tex. Die or mold and cooling assembly therefor. 2,600,772, June 17.
Horn, Henry S., South Orange, assignor to W. C. Horn Bro. & Co., Newark, N. J. Transparent mounting sheath for snapshots. 2,610,421, Sept. 16.
Horn, Joseph G., Drexel Hill, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic control apparatus. 2,588,839, Mar. 11.
Horn Manufacturing Company, assignee: *See*—
Baker, Gerald T.
Horn, Robert P.
Horn, Walter J.
Horn, Monroe, Corpus Christi, Tex. Matchbox dispenser. 2,582,632, Jan. 15.
Horn, Ovid T., Alamosa, Colo. Weighing and sacking machine. 2,598,260, May 27.
Horn, Robert P., assignor to Horn Manufacturing Company, Fort Dodge, Iowa. Grapple fork. 2,622,915, Dec. 23.
Horn, Thurman W., Anniston, Ala., assignor to Cabometer, Inc. Constant speed drive for automobile generators and the like. 2,612,249, Sept. 30.
Horn, Victor, Washington, D. C. Triangular television and radio cabinet. 2,605,159, July 29.
Horn, W. C., Bro. & Co., assignee: *See*—
Horn, Henry S.
Horn, Walter J., assignor to Horn Manufacturing Company, Fort Dodge, Iowa. Stacking machine. 2,595,661, May 6.
Horn, Walter R.: *See*—
Davenport, Charles H., and Horn.
Hornbarger, Earl H., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical dynamometer control system. 2,618,909, Nov. 25.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Head and shell joint for drier drums. 2,603,380, July 15.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Belt drive for papermaking machines. 2,610,517, Sept. 16.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Reinforced split clutch plate. 2,610,719, Sept. 16.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Sheet cutter. 2,615,518, Oct. 28.
Horne, Gilder S., Charlotte, N. C. Tobacco barn structure. 2,610,568, Sept. 16.
Horne, Gilder S., Charlotte, N. C. Comb ventilator for tobacco barns. 2,610,569, Sept. 16.
Horne, Sarah: *See*—
Storrie, Sarah.
Horne, William A.: *See*—
Montgomery, Charles W., and Horne.
Horner, George W., and W. R. Robertson, Sr., Idaho Springs, Colo. Antiskid device for vehicle tires. 2,623,569, Dec. 30.
Horner, Harold R., and W. K. Woodward, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Vertical coking retort with internal heating tubes. 2,622,061, Dec. 16.
Horner, Harold T., Milford, Conn. Engine control for model airplanes. 2,611,351, Sept. 23.
Horner, Robert E.: *See*—
Mendro, Joseph N., Callahan, and Horner.
Hornfeck, Anthony J.: *See*—
Dickey, Paul S., and Hornfeck.
English, James F., Jr., and Hornfeck.
Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Electrical control system. 2,611,812, Sept. 23.
Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,623,206, Dec. 23.
Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Control system. 2,593,562, Apr. 22.
Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Dual bridge motor control circuit. 2,597,730, May 20.
Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Balanceable network electric measuring system. 2,612,628, Sept. 30.
Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Control system. 2,622,237, Dec. 16.
Hornfeck, Anthony J., Lyndhurst, and H. T. Hoffman, Cleveland, Ohio, assignors to Bailey Meter Company. Control system. 2,594,436, Apr. 29.
Hornick, Michael J., Evansville, Ind. Towel rack. 2,606,667, Aug. 12.
Hornig, John P., Newark, N. J. Ball game apparatus. 2,606,025, Aug. 5.
Hornik, Frederick, Brooklyn, N. Y. Magnetic clasp coupling for jewelry. 2,615,227, Oct. 28.
Horning, Arthur F., Jr., Washington, D. C. Airplane power plant with direct cooling of exhaust valves. 2,583,651, Jan. 29.
Horning, Harold R.: *See*—
Bohannan, Robert C., Pickard, and Horning.
Horning, Harold R., assignor to The Jaeger Machine Company, Columbus, Ohio. Road-paving machine. 2,589,256, Mar. 18.
Horning, Harold R., assignor to The Jaeger Machine Company, Columbus, Ohio. Road-finishing machine. 2,589,257, Mar. 18.
Horning, Raymond H., assignor to Oswego Falls Corporation, Fulton, N. Y. Preformed bottle cap. 2,604,223, July 22.
Horning, Samuel C., Wilmington, Del., and C. W. Shay, Upper Providence Township, Delaware County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonfreezing silica sols stabilized with organic amine compounds. 2,601,291, June 24.
Hornkohl, Frank, assignee: *See*—
Smith, George T., and Munding.
Hornor, Boyd E., Jr., Fort Lauderdale, Fla. Doorsill seal. 2,604,677, July 29.
Hornsby, Keith M.: *See*—
Coote, Jack H., and Hornsby.
Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device for pumps. 2,584,705, Feb. 5.
Hornung, Stephen A.: *See*—
Glaser, William F., and Hornung.
Paulson, Arthur W., Hornung, and Galanty.
Horodeck, William, Elmhurst, N. Y., assignor, by mesne assignments, to Cochrane Corporation, Philadelphia, Pa. Multiport rotary disk valve. 2,582,333, Jan. 15.
Horowitz, Alexandre, Amersfoort, Netherlands, Assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Heat exchanger. 2,616,530, Nov. 4.
Horowitz, Alexandre, Eindhoven, Netherlands. Wall construction for buildings. 2,594,928, Apr. 29.
Horowitz, Alexandre, Eindhoven, Netherlands. Metal supporting skeleton for a building construction. 2,607,450, Aug. 19.
Horowitz, Alexandre, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Control for engines employing a pressure fluid medium. 2,611,234, Sept. 23.
Horowitz, Alexandre, and H. Koekebakker, Amersfoort, Netherlands. Factory building. 2,604,670, July 29.
Horowitz, Alexandre, and H. A. Bosscher, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas piston engine cylinder and mounting plate assembly. 2,616,242, Nov. 4.
Horrom, Bruce W.: *See*—
Glenn, Howard J., and Horrom.
Horsák, Drahomír, Brunn, Czechoslovakia. Process and apparatus for the production of artificial fibers. 2,580,918, Jan. 1.
Horsky, Milo, Long Island City, assignor to J. W. Gasser, Woodside, N. Y. Taking up slack in lead screw devices. 2,586,044, Feb. 19.
Horsky, Nicholas G., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Making motion-picture film. 2,589,696, Mar. 18.
Horsley, Caperton B.: *See*—
Seavey, Gordon C., and Horsley.
Horsley, Caperton B., Westwood, and G. C. Seavey, Arlington, assignors to Sonic Research Corporation, Boston, Mass. Piston type sound generator. 2,587,848, Mar. 4.
Horstkotte, Frederick W., Portland, Oreg. Oscillating manifold hydraulic log barker. 2,615,481, Oct. 28.
Horstman, Clifford C.: *See*—
Ellis, Belvin B., Horstman, and Burkhardt.
Horstmann Clifford Magnetics Ltd., assignee: *See*—
Clifford, Cecil F.
Horstmann, Frederick O.: *See*—
Clifford, Cecil F., and Horstmann.
Horstmann, Herbert H., Alton, Ill. Can opener attachment. 2,591,155, Apr. 1.
Horswell, Alfred H., and A. H. Horswell, Jr., Jermyn, Pa., assignors to Ajax Engineering Corporation, Trenton, N. J. Tiltable induction furnace. 2,587,727, Mar. 4.
Horswell, Alfred H., Jr.: *See*—
Horswell, Alfred H., and A. H. Horswell, Jr.
Hort, Alfred J., Great Neck, N. Y. Necktie rack. 2,582,127, Jan. 8.

Horton, Arless J., and W. D. Gaston, Hickory, N. C. Spring structure. 2,609,865, Sept. 9.
Horton Bristol Manufacturing Company, The, assignee: *See*—
De Maria, William V.
Horton, E., & Son Company, The, assignee: *See*—
Hunting, Donald B.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,581,103, Jan. 1.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Actuator for convertible vehicle tops. 2,581,660, Jan. 8.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaning apparatus. 2,594,437, Apr. 29.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Pump for operating suction accessories and pressurizing fuel tanks of motor vehicles. 2,601,757, July 1.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Vibrating rubber shears. 2,603,289, July 15.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Strip centering device for punch presses. 2,605,842, Aug. 5.
Horton, Joseph W., Ipswich, Mass., J. B. Haynes, New London, Conn., G. D. Gillett, Alexandria, Va., and R. G. Stephenson, Tabor, N. J., assignors to the United States of America as represented by the Secretary of the Navy. Apparatus for the maintenance of true bearing. 2,619,733, Dec. 2.
Horton Manufacturing Company, assignee: *See*—
Bradley, William H.
Brotman, Hyman D.
Jacobs, Clare S., and Wilcox.
Wilcox, Merton F.
Horton, William F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic amplifier relay circuits. 2,594,022, Apr. 22.
Horton, William H., and P. J. Ernisse, assignors to Eastman Kodak Company, Rochester, N. Y. Film stripper-stop for extrusion-loading apparatus. 2,614,763, Oct. 21.
Horton, Winthrop S.: *See*—
Waderlow, Benerson A., and Horton.
Horvat, William Z., Hollis, and B. R. Glass, Forest Hills, N. Y. Rotary vertical broiler for frankfurters or similar articles. 2,614,486, Oct. 21.
Horvath, Alexander, Chicago, Ill. Device for stretching and for forming the rims of spectacles. 2,623,423, Dec. 30.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Laundry machine. 2,598,057, May 27.
Horvath, Louis F.: *See*—
Rhoads, John H., and Horvath.
Horvay, Julius B., Schenectady, N. Y. assignor to General Electric Company. Adjustable magnetic pressure valve. 2,609,835, Sept. 9.
Horvitz, Gerald J., Woodmere, N. Y. Electrolytic process for recovering by-products from industrial waste liquors. 2,618,592, Nov. 18.
Horwitz, Harry B.: *See*—
Hipkin, Howard G., Horwitz, and Rogers.
Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Impulse repeater for metered automatic telephone service. 2,597,869, May 27.
Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Refractory curtain. 2,585,552, Feb. 12.
Hose, Charles E., assignee: *See*—
Gearhart, Roy E.
Hose, Earl A., assignee: *See*—
Gearhart, Roy E.
Hosea, Everett E., assignor to Kaukauna Machine Corporation, Kaukauna, Wis. Headstock mounting. 2,597,328, May 20.
Hosea, Everett E., assignor to Kaukauna Machine Corporation, Kaukauna, Wis. Hand and power operated mechanism. 2,619,847, Dec. 2.
Hosea, Everett E., assignor to Kaukauna Machine Corporation, Kaukauna, Wis. Machine tool. 2,619,879, Dec. 2.
Hosen, Everett E., Kaukauna, assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,619,880, Dec. 2.
Hosemaster Machine Company Limited, assignee: *See*—
Wickardt, Kurt W.
Hosford, Norman F., Towaco, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure responsive switch. 2,615,104, Oct. 21.
Hosking, Homer L., Scarsdale, assignor to Republic Boiler Corporation, New York, N. Y. Horizontal fire tube welded boiler. 2,587,849, Mar. 4.
Hoskins, Maxwell D., Denver, Colo. Work progress board. 2,589,812, Mar. 18.
Hoskins, Stanley W., London, England, assignor, by mesne assignments, to Grove Regulator Company. Loading means for pressure regulators. 2,587,728, Mar. 4.
Hosmer, A. J., Corporation, assignee: *See*—
Vesper, Karl C.
Hosmer, Douglas W., Newton Center, assignor to Raytheon Manufacturing Company, Newton, Mass. Ceramic-to-metal bonding. 2,619,432, Nov. 25.
Hospital Furniture, Inc., assignee: *See*—
McLean, Colin C., and Davis.
Hossenlopp, Arthur M.: *See*—
Crowley, Henry L., and Hossenloop.
Hosterman, Harry L., Jr., Atwater, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Governor for helicopter rotor blades. 2,595,195, Apr. 29.
Hostetter, Morgan D., El Monte, Calif. Digger tooth construction. 2,618,873, Nov. 25.
Hotchkiss, Clifford: *See*—
Harris, John L., and Hotchkiss.
Hotchner, Fred, Los Angeles, Calif. Illuminated display device with animation. 2,586,231, Feb. 19.
Hotpoint Inc., assignee: *See*—
Ackemann, Harold E.
Borman, Philip K., and Swisher.
Illian, Douglas F.
Low, Frank D.
McDowell, Walter R.
Miller, Nicholas.
Sandin, Ray C., and Steinbach.
Schroeder, George W.
Schulze, Herman W.
Stoddard, Edgar S.
Swisher, Thomas H.
Walker, Forrest A.
Hotten, Bruce W., Richmond, assignor to California Research Corporation, San Francisco, Calif. Complex aluminum soap. 2,599,553, June 10.
Hottenroth, Frederick W., Goshen, Ind., assignor to Penn Controls, Inc. Pressure gauge. 2,618,977, Nov. 25.
Hotze, Albert, St. Louis, Mo., assignor to Henry Hotze & Sons Company. Golf bag construction. 2,599,635, June 10.
Hotze, Henry, & Sons Company, assignee: *See*—
Hotze, Albert.
Houck, Frank E.: *See*—
Stewart, Glenn F., Houck, and Boyer.
Houdaille-Hershey Corporation, assignee: *See*—
Arbib, Richard H.
Chisholm, Harry L., Jr.
Chisholm, Harry L., Jr., Farrell, and O'Connor.
Dall, Edward D.
Johnson, Bernard C.
Ludwig, Donald C., and Schatzman.
O'Connor, Bernard E.
O'Connor, Bernard E., and Henrich.
Powell, Burnet J.
Sandberg, Ray A.
Schatzman, George W.
Sebok, Frank.
Sebok, Joseph B.
Sebok, Joseph B., Browne, and Pavlish.
Houdek, Joseph F., Jr., Elmhurst, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Mounting for a telephone substation ringer. 2,608,613, Aug. 26.
Houdry, Eugene J., assignee: *See*—
Malina, Louis E.
Houdry, Eugene J., Ardmore, Pa., and J. W. Harrison, Woodbury, N. J.; said Harrison, assignor to said Houdry. Catalytic structure of silica on alumina-coated porcelain. 2,580,429, Jan. 1.
Houdry Process Corporation, assignee: *See*—
Band, George R., Jr.
Barker, John W.
Bates, John R., and Bond.
Bond, George R., Jr.
Caldwell, Clyde L.
Evans, James E.
Heinemann, Heinz.
Kollgaard, Reyner.
McKinney, Dwight D.
Milliken, Thomas H., Jr.
Milliken, Thomas H., Jr., and Welinsky.
Mills, George A.
Peavy, Claude C., and Shirk.
Shabaker, Hubert A.
Shimp, Hans G.
Shirk, Robert M.
Weidman, Walter L., Shabaker, and Cornelius.
Weinrich, William W.
Hough, George H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Cold cathode gaseous discharge device. 2,604,602, July 22.
Hough, J. Donald, North Canton, Ohio, assignor to The Allison Company, Bridgeport, Conn. Abrasive cutoff wheel. 2,616,230, Nov. 4.
Hough, Otto B., Tallahassee, Fla. Power-operated tree hack and automatic liquid sprayer. 2,592,900, Apr. 15.
Hougham, Paul C., assignor of twenty per cent to G. W. Houk, Visalia, Calif. Bedding support. 2,614,269, Oct. 21.
Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulsing circuit. 2,588,240, Mar. 4.

Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control for oscillators. 2,595,662, May 6.

Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for power measurements at high frequencies. 2,617,843, Nov. 11.

Houghton, William, Langeloth, assignor of one-third to E. V. Sciamanna, Burgettstown, and one-third to B. J. Byrd, Langeloth, Pa. Garment hanger. 2,599,260, June 3.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic timing device. 2,589,085, Mar. 11.

Houilleres du Bassin du Nord et du Pas de Calais, assignee: *See*—
Binaut, Jean.
Trumblay, Robert.

Houk, Gareth W., assignee: *See*—
Hougham, Paul C.

Houldsworth, Wallace M., Royal Oak, Mich. Corn cutting device. 2,609,852, Sept. 9.

Houlsby, George W., Jr., assignee: *See*—
Carlson, Martin.
Logan, George H.

Houlsby, George W., Jr., Chicago, Ill. Adjustable hinge. 2,581,104, Jan. 1.

Houplain, René B., Paris, France. Irreversible driving device. 2,583,428, Jan. 22.

Houplain, René B., Paris, France. Self-locking device. 2,597,798, May 20.

Houpt, Alfred G., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for reacting ammoniacal gases. 2,584,080, Jan. 29.

House Beautiful Curtains, Inc., assignee: *See*—
Spiegel, Lawrence, Behensky, and Druck.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,595,143, Apr. 29.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake shoe. 2,598,545, May 27.

House, Frank R.: *See*—
Bentley, George P., and House.

House, I. T., assignee: *See*—
Oliver, Henry H.

House, Thomas J., Decatur, Ill. Covered spring greasing device. 2,614,660, Oct. 21.

Houser, Arthur V. T., Dayton, Ohio. Supplemental throttle controlling device. 2,590,320, Mar. 25.

Houser, Harold S., assignor to Standard Oil Company, Chicago, Ill. Barrel transporting device. 2,614,711, Oct. 21.

Houser, Orson G., Tulsa, Okla., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,604,171, July 22.

Housewares, Inc., assignee: *See*—
Sutton, John C. and W. V.

Houseweart, Harold W., Benton, Pa. Milk can cooler. 2,588,927, Mar. 11.

Housley, Evelyn C., assignee: *See*—
Housley, Robert B.

Housley, Robert B., assignor of one-half to E. C. Housley, Venice, one-fourth to G. Arnold, Santa Monica, and one-fourth to A. L. Arnold, Venice, Calif. Sharpening device for lawn mowers. 2,586,659, Feb. 19.

Housley, Thomas P., Elkins Park, Pa. Game board. 2,620,192, Dec. 2.

Houší, František, Brunn, assignor of one-half to Czechoslovak Metal & Engineering Works, National Corporation, Prague, Czechoslovakia. Electric switch. 2,598,546, May 27.

Houston, Junius W., Kansas City, Kans. Pumping apparatus. 2,605,957, Aug. 5.

Houston Oil Field Material Company, assignee: *See*—
Alford, Raymond G.
Justice, George E., and Storm.

Houston Oil Field Material Company, Inc., assignee: *See*—
Bender, John C.
Bender, John C., and Baker.

Houtman, Harke J.: *See*—
Alink, Roelof J. H., Dippel and Houtman.

Houtman, Harold R., assignor to Sutherland Paper Company, Kalamazoo, Mich. Cellular carton erecting machine. 2,612,086, Sept. 30.

Houwink, Roelof, Wassenaar, and W. J. K. Schönlau, Haarlem, assignors to Rubber-Stichting, Delft, Netherlands. Floor covering rubber composition. 2,603,668, July 15.

Hoyden, Havtor, Orstavik, Norway. Washing machine. 2,585,464, Feb. 12.

Hövel, Josef, Koln-Bruck, assignor to Klockner-Humboldt-Deutz A. G., Koln a. Rhein, Germany. Centrifugal regulator for automatically controlling the action moment of apparatus of variable rotating speed. 2,589,496, Mar. 18.

Hoven, Alfred C.: *See*—
Merrill, Ralph K., Hoven, and Nordmark.

Hoven, Alfred C., W. E. Nordmark, and W. S. Lindberg, assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,593,145, Apr. 15.

Hoven, Alfred C., W. E. Nordmark, and D. S. Huhta, assignors to American Seating Company, Grand Rapids, Mich. Chair having spring supported pivoted seat and back rest. 2,595,582, May 6.

Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Supporting means for sheet material. 2,599,918, June 10.

Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Chair structure. 2,601,891, July 1.

Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Chair structure. 2,620,858, Dec. 9.

Hovey, C. E., trustee, assignee: *See*—
Baldwin, Curtis C.

Hovey, C. Earl, trustee, assignee: *See*—
Baldwin, Curtis C.

Hovey, Preston W., Berkeley, Calif., and C. G. King, Portland, Oreg. Hydraulically actuated disk type automotive vehicle brake. 2,616,526, Nov. 4.

Howald, Arthur M.: *See*—
Dearing, William C., and Howald.

Howard, Alan: *See*—
Buckland, Bruce O., and Howard.

Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Gas turbine nozzle and bucket shroud structure. 2,606,741, Aug. 12.

Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Axial flow compressor. 2,610,786, Sept. 16.

Howard, Arthur C., Leeds, assignor to Rotary Hoes Limited, East Horndon, Essex, England. Garden tractor tiller transmission. 2,595,854, Mar. 6.

Howard, Arthur C., Upminster, assignor of one-half to Rotary Hoes Limited, East Horndon, England. Travel-speed reduction gearing for tractors. 2,608,877, Sept. 2.

Howard, Arthur M., Perrysburg, and L. S. Meyer, Newark, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bulletproof fuel tank. 2,601,525, June 24.

Howard Auto-Cultivators Limited, assignee: *See*—
Thomas, Percy H.

Howard, Bernard: *See*—
Barbara, Louis J., Klein, and Howard.

Howard, Bernard, Ramsay, assignor to Air Associates, Incorporated, Teterboro, N. J. Preselector tuning mechanism. 2,613,321, Oct. 7.

Howard and Bullough Limited, assignee: *See*—
Arundale, John B., and Haythornthwaite, Haythornthwaite, James J.

Howard, Charles W., Franklin, Ohio. Brake for planetary drives. 2,584,454, Feb. 5.

Howard, Clifford M., Fontana, Calif. Oil well jar. 2,585,318, Feb. 12.

Howard Curtain Co., Inc., assignee: *See*—
Jitomir, Bernard.

Howard, Edward A., Altadena, Calif. Wheeled carrier. 2,582,435, Jan. 15.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aracylhydrazo substituted nitriles. 2,580,919, Jan. 1.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrazobisalkanesulfonate polymerization catalyst for ethylenically unsaturated monomers. 2,589,258, Mar. 18.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Low-temperature polymerization of ethylenic compounds using as initiators compositions comprising sodium azide and an oxidant. 2,594,560, Apr. 29.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization initiation systems comprising a hydrazone, a peroxy compound, and cupric ion. 2,601,293, June 24.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cycloheptatrien-1-ol-2-one monosulfonic acids and manufacturing same. 2,623,898, Dec. 30.

Howard, Ellis M., Rising Star, Tex. Stuffing box. 2,587,474, Feb. 26.

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluidized carbonization of solids. 2,582,712, Jan. 15.

Howard, Frank A., New York, N. Y., assignor, by mesne assignments, of one-tenth to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Mechanized production of solid fuel. 2,606,010, Aug. 5.

Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Shield for vacuum cleaner belt guards. 2,619,670, Dec. 2.

Howard, Fred, assignor to Sutcliffe, Speakman & Company Limited, Leigh, England. Laminated paper containing activated carbon. 2,593,146, Apr. 15.

Howard, Geoffrey J. E., Eccles, assignor to Harold Moore & Partners (Engineers) Limited, Whyteleafe, England. Controlling the output of variable displacement pumps. 2,597,799, May 20.

Howard, George E., Butler, Pa. Glass melting method and apparatus. 2,597,585, May 20.

Howard, George E., Butler, Pa. Glass melting method. 2,597,640, May 20.

Howard, Giles P. E.: *See*—
Ivanoff, Alexander, and Howard.

Howard, Giles P. E., Luton, England. Variable stroke pump. 2,615,398, Oct. 28.

Howard, Harold T.: *See*—
Belshaw, Philip L., Howard, and Irving.

Howard, J. D., Inc., assignee: *See*—
Francis, Louis.

Howard, James V., Nampa, Idaho. Land leveler. 2,614,346, Oct. 21.

Howard, James Y., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Approach control in coded track circuit signaling systems. 2,588,005, Mar. 4.

Howard, John B., trustee, assignee: *See*—
Alward, Francis.

Howard, John J., Philadelphia, Pa. Making pig iron. 2,602,735, July 8.

Howard, John S., Jr., Baltimore, and W. P. O. Clarke, Annapolis, Md.; said Clarke assignor to said J. S. Howard, Jr. Boat cradle. 2,613,821, Oct. 14.

Howard-Jones, Leonard H., Belfast, Northern Ireland. Cigarette or the like lighter. 2,616,947, Nov. 4.

Howard, Joseph: *See*—
Hurwitz, Joseph.

Howard, Joseph A., Sun Valley, Calif. Tool-holding indexing turret. 2,596,482, May 13.

Howard, Joseph O., Chicago, Ill. Hinge structure. 2,608,714, Sept. 2.

Howard, Joseph O., Chicago, Ill. Socket structure for double-ended fluorescent lamps. 2,618,676, Nov. 18.

Howard, Kenneth C., Fort Worth, Tex. Continuous combustion type rotating combustion products generator. 2,603,947, July 22.

Howard, Kenneth C., Fort Worth, Tex. Kite control. 2,613,894, Oct. 14.

Howard, Kenneth C., Fort Worth, Tex. Kite control. 2,613,895, Oct. 14.

Howard, Kenneth L.: *See*—
Hultquist, Martin E., and Howard.

Howard, Kevin E., Takoma Park, Md. Disposable dish and base therefor. 2,588,727, Mar. 11.

Howard, Leslie B., Chico, Calif. Trailer steering mechanism. 2,601,526, June 24.

Howard, Morris H., Osburn, Idaho. Valve control. 2,623,618, Dec. 30.

Howard, Newell L., Elmhurst, and O. L. Engstrom, Long Island City, assignors to Halben Chemical Co., Inc., New York, N. Y. Device for supporting deodorizers. 2,620,228, Dec. 2.

Howard, Ralph H., Oklahoma City, Okla. Rubber sleeve protector for drill pipes. 2,604,365, July 22.

Howard, Robert C.: *See*—
Pridy, Whetstine B., and Howard.
Trumbull, Fred W., and Howard.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container filling and material settling machine. 2,581,795, Jan. 8.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Material feeding conveyer. 2,610,726, Sept. 16.

Howard, Stanley R., Milton, and R. W. Vergobbi, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Check weighing machine. 2,590,704, Mar. 25.

Howard, Vernal P., Long Beach, Calif. Panel type truck body with hinged panels forming platforms. 2,606,786, Aug. 12.

Howard, William D., Smelterville, Idaho. Saw setting tool. 2,602,355, July 8.

Howard, William D., Smelterville, Idaho. Archery bow. 2,608,188, Aug. 26.

Howard, William H., Wilmington, assignor of one-half to D. J. Billinghelmer, Homewood, Ill. Hive tool. 2,593,304, Apr. 15.

Howatt, Glenn N., Metuchen, N. J. Producing high dielectric high insulation ceramic plates. 2,582,993, Jan. 22.

Howatt, Glenn N., assignor to Gulton Mfg. Corp., Metuchen, N. J. Loud-speaker. 2,593,031, Apr. 15.

Howatt, Glenn N., Metuchen, N. J., assignor to Gulton Mfg. Corp. Transducer element and making same. 2,614,144, Oct. 14.

Howe, Alfred S., Silverton, Oreg. Power cutter for vines, strawberry runners, and the like. 2,583,571, Jan. 29.

Howe, Burdis A., Walters, Okla. Automatic stock chute. 2,587,160, Feb. 26.

Howe, Donald E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Constant tension device. 2,605,061, July 29.

Howe, Donald W., Jr., Ware, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Protection for looms. 2,586,335, Feb. 19.

Howe, Earl E., Chicago, Ill. Forming welding projections on nuts. 2,612,647, Oct. 7.

Howe, Eugene E., Bound Brook, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Anion exchange of thiamin salts. 2,597,329, May 20.

Howe Folding Furniture, Inc., assignee: *See*—
Howe, Harold.

Howe, Harold, Rowayton, Conn., assignor to Howe Folding Furniture, Inc., New York, N. Y. Drop leaf support construction for a table or the like. 2,594,262, Apr. 22.

Howe, Harold, Rowayton, Conn., assignor to Howe Folding Furniture, Inc., New York, N. Y. Sectional top folding table adapted to stand in folded position. 2,607,647, Aug. 19.

Howe, Harold S., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Wire tire fabric and cable. 2,605,201, July 29.

Howe, James A., Wood-Ridge, and M. T. Nevalonny, Farmingdale, assignors to Bendix Aviation Corporation, Teterboro, N. J. Aluminum optical mirror and making same. 2,585,128, Feb. 12.

Howe, Jerald S., assignee: *See*—
Butler, Joseph E.

Howe, John F.: *See*—
Crouch, Willie W., and Howe.

Howe, Mabel I., Compton, Calif. Adjustable hairdressing and apparel grooming mirror device. 2,606,479, Aug. 12.

Howe Machinery Company, Inc., assignee: *See*—
Mitchell, Clyde O.

Howe Scale Company, The, assignee: *See*—
Hadley, Harlan A.
Singleton, Lester D.

Howe Twister Corporation, assignee: *See*—
Uhlig, Henry C.

Howe, Vernon D., Sr., Buffalo, N. Y. Container closure. 2,604,224, July 22.

Howe, Warren W., Longview, Wash. Sleeping bag. 2,594,438, Apr. 29.

Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Apparatus for measuring direct voltages. 2,596,955, May 13.

Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Mechanism for eliminating angularity effect. 2,623,392, Dec. 30.

Howe, William H., Bronxville, and H. W. Reed, Brooklyn, assignors, by mesne assignments, to H. G. Liese, New York, N. Y. Producing bent bristle brushes. 2,621,080, Dec. 9.

Howe, William L., Jr., Chesterfield, Mo. Carbureting mechanism. 2,591,356, Apr. 1.

Howell, Albert S., Culver, Ind., assignor to Bell & Howell Company, Chicago, Ill. Intermittent strip feed mechanism of the reciprocating type. 2,610,543, Sept. 16.

Howell, Alun R., Neath, assignor to Power Jets (Research and Development) Ltd., London, England. Constant pressure cycle continuous flow combustion gas turbine power plant. 2,584,878, Feb. 5.

Howell, Fred S., Jerseyville, Ill. Three-dimensional indicator tube and circuit therefor. 2,604,607, July 22.

Howell, Henry C., Rahway, N. J., assignor to Barber Oil Corporation, New York, N. Y. Refining Trinidad Lake asphalt. 2,594,929, Apr. 29.

Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Combined magnetic transducer head and output transformer. 2,591,070, Apr. 1.

Howell, Lewis J.: *See*—
Peterson, Russell A., and Howell.

Howell, Maurice R., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Cooling hot gaseous suspensions of carbon black. 2,594,171, Apr. 22.

Howell, Robert V., Fort Worth, assignor to Tok, Inc., Amarillo, Tex. Machine for making tacks. 2,621,345, Dec. 16.

Howell, Roy C., Lakewood, Ohio. Detachable handle. 2,610,354, Sept. 16.

Howell, William C., Jr.: *See*—
Herbst, Walter A., and Howell.
Morway, Arnold J., and Howell.

Howell, William C., Jr., Union, N. J., assignor to Standard Oil Development Company. Leaded fuel composition. 2,586,660, Feb. 19.

Howell, William C., Jr., Union, A. R. Jones, Roselle, and J. O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Concentrated lead fluids. 2,618,612, Nov. 18.

Howell, William N., Hale, Liverpool, and H. Hill, Runcorn, England, assignors to Imperial Chemical Industries Limited. Electrolytic production of fluorine. 2,592,144, Apr. 8.

Howells, Alden M.: *See*—
Howells, Merriam J. and A. M., and Soltau.

Howells, Merriam J. and A. M., Berkeley, and L. J. Soltau, Walnut Creek, Calif. Mop demonstrator. 2,596,026, May 6.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Device for forming bowed face plastic panels. 2,599,554, June 10.

Hower, Theodor: *See*—
Schön, Ludwig, and Hower.

Howes Leather Company, Inc., assignee: *See*—
Jennings, George H.

Howey, Walter C., Demarest, N. J. Wire recording and erasing means. 2,620,403, Dec. 2.

Howison, Robert J., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Flexible sprocket hub. 2,622,418, Dec. 23.

Howk, Benjamin W.: *See*—
Castle, John E., and Howk.

Howland, Eugene H., Grand Island, and R. G. Tessmer, Tonawanda, assignors to Arnold Jacobowitz, Buffalo, N. Y. Filter including automatic reconditioning device. 2,609,101, Sept. 2.

Howland, Frederick W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Delayed-action signal for damper control. 2,595,663, May 6.

Howland, Louis H.: *See*—
Brucksch, William F., Jr., and Howland.

Howland, Walter L., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Temperature probe. 2,588,840, Mar. 11.

Howland, Walter L., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Electrical strain gauge and making same. 2,621,276, Dec. 9.

Howlett, John: *See*—
Bowen, Bertram E. V., and Howlett.

Howley, Agnes C., Beverly Hills, Pa. Adapter for truck wheel rims. 2,614,603, Oct. 21.

Howrey, Harold C., Estacada, Oreg. Animal trap. 2,589,385, Mar. 18.

Howsam, Hilyard C., Aurora, Ill. Reel and drum therefor. 2,605,058, July 29.

Howsam, Hilyard C., Chicago, Ill. Reel. 2,609,162, Sept. 2.

Howser, Claude M., assignor to California Thimble Corporation, Santa Barbara, Calif. Finger shaped thimble. 2,588,528, Mar. 11.

Howser, Oran B., Lakota, N. Dak. Rock picker and loader. 2,618,917, Nov. 25.

Hoxie, Howard M., Chester, Pa., assignor, by mesne assignments, to The Chemstrand Corporation, Decatur, Ala. Producing shaped articles from artificial or synthetic fiber- or film-forming materials. 2,611,929, Sept. 30.

Hoxie, Howard M., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Making shaped articles of an acrylonitrile polymer. 2,622,003, Dec. 16.

Hoy, Edward W., Cleveland, Ohio, assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Display stand. 2,597,731, May 20.

Hoy, Thomas J., Newark, N. J. Steam locomotive admission and exhaust piston valve. 2,588,841, Mar. 11.

Hoy, Thomas J., Newark, N. J. Valve actuating apparatus for actuating valves of steam engines, locomotives, or the like. 2,608,955, Sept. 2.

Hoy, Thomas J., Newark, N. J. Piston ring. 2,609,257, Sept. 2.

Hoye, James B., assignor to Veeder-Root Incorporated, Hartford, Conn. Predetermining counter with resetting controlled switch closing means. 2,581,859, Jan. 8.

Hoyenski, Charles J.: *See*—
Nolan, James J., and Hoyenski.

Hoyer, Norman S., assignor to Gibson Electric Company, Pittsburgh, Pa. Sintering silver contact material. 2,621,123, Dec. 9.

Hoyle, Albert C., and R. L. Bevard, assignors to Lake Shore Engineering Company, Iron Mountain, Mich. Crane. 2,620,075, Dec. 2.

Hoyt, Herbert L.: *See*—
Wilcox, Richard L., and Hoyt.

Hoyt, Fred W.: *See*—
Hunter, Clarence S., Hoyt, and Nadeau.

Hoyt, John B., assignor to Scott & Williams, Incorporated, Laconia, N. H. Air distributor and current collector for circular knitting machines. 2,620,642, Dec. 9.

Hoyt, Karl R., Santa Ana, assignor of twelve and one-half per cent to W. Mellott, twelve and one-half per cent to O. Culbertson, twelve and one-half per cent to J. S. Barrett, and twelve and one-half per cent to T. B. Frost, Orange County, Calif. Viewing screen for color television receivers. 2,618,759, Nov. 18.

Hoyt, Simes T., Honolulu, Hawaii, assignor to Castle & Cooke, Limited. Apparatus for treating molasses. 2,619,230, Nov. 25.

Hoza, John, Belcamp, Md. Sock-type footwear. 2,586,045, Feb. 19.

Hoza, John, Belcamp, Md. Shoe with sole having raised portions on its upper face. 2,614,342, Oct. 21.

Hoza, William J., Hartford, Conn. Adjustable choke means for shotguns. 2,600,874, June 17.

Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Wheelbarrow with shiftable load supporting handles. 2,598,261, May 27.

Hrankowski, Michael, Plainfield, N. J. Dressing device for grinding wheels. 2,591,434, Apr. 1.

Hrček, Klement, Brunn, Kralovo Pole, Czechoslovakia. Electromagnetic clamping and division apparatus. 2,611,969, Sept. 30.

Hrdlicka, Edward J., Jr., Painesville, assignor to Hydraulic Equipment Company, Cleveland, Ohio. Silent relief valve for hydraulic systems. 2,600,875, June 17.

Hrdina, Rudolf, Hradec Kralove, Czechoslovakia. Revolving shuttle feeler carried weft cutter. 2,603,244, July 15.

Hruby, John O., Jr.: *See*—
Harness, Wayne E., and Hruby.

Hruby, John O., Jr., Glendale, Calif. Nozzle. 2,589,942, Mar. 18.

Hruby, John O., Jr., Glendale, Calif. Pilot controlled diaphragm-type valve. 2,608,213, Aug. 26.

Hruska, Stephen J., assignee: *See*—
Abney, William G.

Hryhorczuk, Nicholas A., Ethelbert, Manitoba, Canada. Removable luggage container. 2,616,599, Nov. 4.

Hsi-Yu, Hsu, Shanghai, China. Auto brake. 2,584,078, Jan. 29.

Huard, Georges G., Paris, and R. J. E. Roger, Suresnes, France. Rubber powered motor for toys and the like. 2,619,194, Nov. 25.

Hub City Iron Company, assignee: *See*—
Green, Paul C.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Infrared ray butter softener. 2,594,023, Apr. 22.

Hubacker, Earl F., Muskegon, and G. J. Fleck, Muskegon Heights, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Refrigerator compressor cooling arrangement. 2,597,243, May 20.

Hubback, Clarice E., assignee: *See*—
Hubback, Malcolm H.

Hubback, Malcolm H., Seattle, Wash., assignor, by mesne assignments, to C. E. Hubback. Rock drill bit. 2,606,004, Aug. 5.

Hubbard, Charles L., Detroit, Mich. Boxing game. 2,593,147, Apr. 15.

Hubbard, Charles L., Huntington, Ind., and A. Capecelatro, Madison, N. J. Automatic graph tracker and method. 2,588,386, Mar. 11.

Hubbard & Company, assignee: *See*—
Hocher, Andrew A.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Pole guard. Re. 23,609, Dec. 30.

Hubbard, David C., and W. L. Hollander, assignors to A. B. Chance Company, Centralia, Mo. Fused drop-out cutouts. 2,581,954, Jan. 8.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fuse drop-out cutout. 2,584,586, Feb. 5.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Insulator supporting pin and cob. 2,592,695, Apr. 15.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fused drop-out cutout. 2,611,054, Sept. 16.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Strain carrier for twin strings of insulators. 2,613,913, Oct. 14.

Hubbard, Guy R., Groton, Conn. Liquid fuel measuring and delivery device. 2,612,778, Oct. 7.

Hubbard, Harold C., Lansing, Mich. Magnetic article grip for toy hoists. 2,623,774, Dec. 30.

Hubbard, Harold L., Webster Groves, and G. W. Stealily, Maplewood, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of the sulfuric acid salt of aminonitrothiazoles. 2,617,809, Nov. 11.

Hubbard, John A.: *See*—
Rhoads, Chester A., and Hubbard.

Hubbard, Malcolm M., Marblehead, Mass., assignor to Zenith Radio Corporation. Multiple energization circuit for subscription television. 2,607,846, Aug. 19.

Hubbard, Malcolm M., Marblehead, Mass., assignor to Zenith Radio Corporation. Credit verification for subscription type television systems. 2,615,972, Oct. 28.

Hubbard, John R., assignor to Antioch Bookplate Company, Yellow Springs, Ohio. Badge. 2,609,629, Sept. 9.

Hubbard Spool Company, assignee: *See*—
Tucker, George G., Jr.
Tucker, George G., Jr., and Rappleyea.

Hubbard, William J., Toledo, Ohio. Electric switch. 2,601,142, June 17.

Hubbell, Adrian O.: *See*—
Nagel, Edward H., and Hubbell.

Hubbell, Harvey, Long Hill, Conn. Wiring terminal connection for electrical wiring devices. 2,602,106, July 1.

Hubbell, Harvey, Long Hill, Conn. Clampless bottom wiring for electrical devices. 2,622,119, Dec. 16.

Hubbell, Harvey, Long Hill, Conn. Lamp socket switch using either key or pull mechanism in the same housing. 2,623,134, Dec. 23.

Hubbell, Harvey, Long Hill, and J. F. Healy, Westport, assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Wire connector for electrical receptacles. 2,602,104, July 1.

Hubbell, Harvey, Incorporated, assignee: *See*—
Healy, Joseph F.
Hubbell, Harvey, and Healy.

Hubbell, Leslie W., Cheshire, assignor to The Ball & Socket Manufacturing Co., West Cheshire, Conn. Toy bell. 2,598,169, May 27.

Hubbs, Raymond D., East Moline, Ill. Gauge. 2,599,180, June 3.

Hube, Gottfried E., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash. Fish skinning machine. 2,601,292, June 24.

Huben, Michael G., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Pusher power plant for airplanes. 2,604,276, July 22.

Huber, Charles F., Middle River, Md., assignor, by mesne assignments, of one-half to Vanton Pump Corporation, New York, N. Y. Pump. 2,583,572, Jan. 29.

Huber, Clayton V.: *See*—
Peterson, Lynn A., and Huber.

Huber, Elmer J., Joliet, assignor to F. W. McGuire and J. Ruben, Chicago, Ill., as trustees. Tip-up seat construction. 2,598,384, May 27.

Huber, Gilbert H., Crestline, Ohio. Vertical bale elevator. 2,615,554, Oct. 28.

Huber, Harry, and L. Brück, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Aperiodic electronic blocking valve. 2,598,914, June 3.

Huber, J. M., Corporation, assignee: *See*—
Shelton, Calvin W.
Williams, Ira.

Huber, Louis C., assignee: *See*—
Richeson, Sanford E., and Allegro.

Huber Manufacturing Company, The, assignee: *See*—
Barrett, Dean E., and Lowery.
Keeler, Raymond W.

Huber, Martin, Munich, Germany. Spring actuated disk projector. 2,596,557, May 13.

Huber, Martin, Munich, Germany. Ball hurling device for simulated bowling. 2,610,618, Sept. 16.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Pressure relief valve. 2,587,161, Feb. 26.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Feeder control for hydraulic pumps. 2,590,622, Mar. 25.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Self loading pressure accumulator. 2,605,716, Aug. 5.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Parallel plunger pump with positive plunger actuation. 2,620,738, Dec. 9.

Huber, Ralph L., Seattle, Wash. Soap cake cover. 2,603,032, July 15.

Huber, Robert, Bellevue, France, assignor to Societe d'Etudes & de Participations Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland. Sequential starting of independent free piston engines. 2,605,605, Aug. 5.

Huber, Russell C., Downey, Calif. Masonry cutter. 2,613,661, Oct. 14.

Huber, William J., Detroit, assignor to M. A. Bolton, Berkley, Mich. Venturi intake valve. 2,591,156, Apr. 1.

Hubers, Herman W., Jr., Essex, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for controlled heating of enclosures. 2,587,322, Feb. 26.

Hubert, Archie H., assignee: *See*—
Yancofski, Genevieve A.

Huberiz, Halvard P., Chicago, Ill. Dielectric material inspection system. 2,615,964, Oct. 28.

Hubley Manufacturing Company, The, assignee: *See*—
Weimer, John H., and Rockey.

Huch, William F., St. Paul, Minn., assignor to General Mills, Inc. Balloon with no load ring. 2,598,696, June 3.

Huch, William F., St. Paul, Minn., assignor to General Mills, Inc. Variable volume balloon and its manufacture. 2,612,328, Sept. 30.

Huch, William F., St. Paul, and R. I. Hakomaki, Minneapolis, Minn., assignors to General Mills, Inc. Balloon cap and its manufacture. 2,602,609, July 8.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Secondary temperature control for electric blankets. 2,592,525, Apr. 15.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Control switch. 2,600,652, June 17.

Huck, Alfred J., and C. D. Visos, assignors to Knapp-Monarch Company, St. Louis, Mo. Timer for toasters and the like. 2,614,481, Oct. 21.

Huck Co., assignee: *See*—
Huck, William F.

Huck, Joseph, Tenafly, N. J., assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Ladder of lightweight metals. 2,594,561, Apr. 29.

Huck, Louis C., assignor to Huck Manufacturing Company, Detroit, Mich. Apparatus for and method of making tubular rivet elements. 2,586,336, Feb. 19.

Huck Manufacturing Company, assignee: *See*—
Huck, Louis C.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,590,538, Mar. 25.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet registering mechanism for printing. 2,593,148, Apr. 15.

Huck, William F., Forest Hills, assignor to Huck Co., New York, N. Y. Sheet delivery mechanism for printing machines. 2,610,850, Sept. 16.

Huck, William F., Forest Hills, N. Y., and A. Stobb, Union Township, Hunterdon County, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Rotary printing machine with reversible printing unit. 2,597,932, May 27.

Huckestein, Nicholas W., assignor to Furnace Engineers, Incorporated, Pittsburgh, Pa. Heat-treating furnace. 2,596,027, May 6.

Hucknall, Richard H., Bayside, N. Y. Wrist watch guard. 2,584,270, Feb. 5.

Hucknall, Richard H., Bayside, assignor to Morrison-Bergmann Corporation, New York, N. Y. Beverage appliance. 2,599,919, June 10.

Hucks, Robert T., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonflocculating, nonstriating nitrocellulose lacquer. 2,602,756, July 8.

Huckshold, Elmer J., assignor to Central Mine Equipment Company, St. Louis, Mo. Mining drill. 2,595,525, May 6.

Huckshold, Elmer J., assignor to Central Mine Equipment Company, St. Louis, Mo. Mining drill. 2,610,829, Sept. 16.

Hudak, Robert J.: *See*—
Fultz, Allen R., and Hudak.

Huddleston, Julian, Los Angeles, Calif. Molding prestressed concrete structures. 2,597,084, May 20.

Huddleston, Owen R., Miami, Okla. Folding tray for automobile instrument panels. 2,597,330, May 20.

Hudeley, Victor, Clichy, France. Structural photographic arrangement for obtaining three-dimensional images. 2,599,454, June 3.

Hudson, Arthur C., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Geotechnical Corporation, Dallas, Tex. Pipe thickness testing apparatus. 2,595,380, May 6.

Hudson, Boyd E., Jr., Cranford, H. L. Wilson, Elizabeth, and J. F. Nelson, Rahway, N. J., assignors to Standard Oil Development Company. Use of phosphites in esterification reactions of synthetic alcohols. 2,612,515, Sept. 30.

Hudson, Clifford C., Wichita Falls, Tex., assignor to R. Bowling and J. H. Raines. Pumping system. 2,596,151, May 13.

Hudson, Clough D.: *See*—
Barker, Virgil D., and Hudson.

Hudson, E. B., assignee: *See*—
Briscoe, Madison H.

Hudson, Edwin B., Middletown, Ohio, assignor to Armco Steel Corporation. Cargo barge. 2,594,930, Apr. 29.

Hudson, Edwin B., Middletown, Ohio. Closet drier. 2,604,572, July 22.

Hudson Engineering Corporation, assignee: *See*—
Lau Bach, Neal B.
Turner, Nelson C.

Hudson, Franklin, Roselle, assignor to Inner-Tite Clamp Corporation, Elizabeth, N. J. Flexible locking means for bell and spigot joints. 2,587,475, Feb. 26.

Hudson, H. D., Manufacturing Company, assignee: *See*—
Landgraf, Jacob T.
Pinke, August H.

Hudson, James L., assignor to Kenneth Hudson Foundation, Inc., Detroit, Mich. Mixing faucet. 2,585,247, Feb. 12.

Hudson, Joseph E., Toledo, Ohio. Spark plug. 2,608,186, Aug. 26.

Hudson, Kenneth, Foundation, Inc., assignee: *See*—
Hudson, James L.

Hudson, Monle S., Spartanburg, S. C. Preventing end checking in the artificial seasoning of wood. 2,623,300, Dec. 30.

Hudson Motor Car Company, assignee: *See*—
Toncray, Millard H., and Spring.

Hudson, Robert B.: *See*—
Lefforge, John W., and Hudson.

Hudson, Thomas B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst control in organic reactions. 2,590,539, Mar. 25.

Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
Hendrickson, Luther G., Dixon, and Lyle.
Isherwood, Eldon I.
McFadden, William E.
Mould, Geoffrey J. J.

Hueber, Carl J., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Punching apparatus. 2,582,780, Jan. 15.

Huebl, Clarence G., Milwaukee, and H. P. Buerosse, Pewaukee, Wis. Container with trap chamber operated by tipping. 2,584,130, Feb. 5.

Huebner, Charles F.: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.

Huebner Company, The, assignee: *See*—
Huebner, William C.

Huebner, Francis C., Fresno, Calif. Lattice panel spacer for holding a plurality of lugs in a compact, rigid unit. 2,585,772, Feb. 12.

Huebner, William C., assignee: *See*—
Hooper, William J.

Huebner, William C., Mamaroneck, N. Y. Precision means for positioning and indicating the position of a movable member. 2,583,376, Jan. 22.

Huebner, William C., New York, N. Y. Filament forming apparatus. 2,586,046, Feb. 19.

Huebner, William C., New York, N. Y. Electronographic printing apparatus. 2,586,047, Feb. 19.

Huebner, William C., New York, N. Y. Printing means. 2,590,321, Mar. 25.

Huebner, William C., New York, N. Y. Cylinder mounting means for rotary printing apparatus. 2,605,701, Aug. 5.

Huebner, William C., New York, N. Y. Color separation. 2,614,042, Oct. 14.

Huebner, William C., New York, N. Y., assignor to The Huebner Company, Dayton, Ohio. Universal printing process cylinder and making the same. 2,615,389, Oct. 28.

Huebner, William C., New York, N. Y. Making sheet or web material. 2,615,822, Oct. 28.

Huebner, William E., Minneapolis, Minn. Anchoring device for decoys. 2,608,361, Aug. 26.

Huebotter, Earl E., assignor to National Lead Company, Tulsa, Okla. Sealing steel storage vessels. 2,598,170, May 27.

Huebach, Monte F., Milwaukee, Wis., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Lint remover for driers. 2,611,192, Sept. 23.

Huelsdonk, Lewis L., Downieville, Calif. Centrifuge. 2,612,314, Sept. 30.

Huelsdonk, William A., Boise, Idaho, assignor of one-third to A. M. Phippen, Johnson City, Tenn., one-sixth to F. J. Smith, Miami Beach, Fla., and one-sixth to M. E. Boardman, Philadelphia, Pa. Rotary drum concentrator and amalgamator for recovery of precious metals. 2,608,299, Aug. 26.

Hueister, Otto J., Plymouth, assignor to Scovill Manufacturing Company, Waterbury, Conn. One-way detachable snap fastener. 2,606,353, Aug. 12.

Hueni, Albrecht: *See*—
Isler, Hans, and Hueni.

Huenlich, Charles, Bloomfield, N. J., and H. F. M. Gramann, deceased, Orange, N. J., by H. G. Schwarz, executrix, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic recording and reproducing device. 2,603,491, July 15.

Huesgen, Clifford P., assignee: *See*—
Deering, Thomas J.

Huesgen, Gertrude E., assignee: *See*—
Deering, Thomas J.

Huet, André P. J., Paris, France, assignor to Combustion Engineering-Superheater, Inc. Superheater element with trifurcate groups. 2,608,390, Aug. 26.

Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator with keyhole contour reed arm. 2,600,247, June 10.

Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. U-shaped vibrator armature and damped arm mechanism. 2,606,259, Aug. 5.

Huetten, Clarence, and J. J. Kaufmann, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator support with multistage noise attentuation. 2,601,918, July 1.

Huey, William G., Nassau, and B. W. Rottschaefer, East Greenbush, assignors to General Aniline & Film Corporation, New York, N. Y. Production of p-acetylaminobenzaldehyde. 2,608,582, Aug. 26.

Huff, Fred, assignee: *See*—
Hammond, Newton.

Huff, Floyd A., Mansfield, Ohio. Water closet deodorizer. 2,591,817, Apr. 8.

Huff, Floyd A., Mansfield, Ohio. Ventilating toilet. 2,619,655, Dec. 2.

Huff, Henry A., assignee: *See*—
Waltz, Charles A.

Huff, Herman: *See*—
Incker, John A., and Huff.

Huff, James W.: *See*—
Fihe, John L., and Huff.

Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of a mixture of hydrocarbonaceous solids and liquid hydrocarbons. 2,587,729, Mar. 4.

Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Vaporizing device. 2,591,818, Apr. 8.

Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Stripper for subdivided catalyst particles. 2,607,662, Aug. 19.

Huffard, Joe, assignee: *See*—
Dorsey, James E.

Hufferd, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Loom check. 2,596,483, May 13.

Huffman, Charles A., Dayton, Ohio. Apparatus for cleaning and lubricating. 2,594,779, Apr. 29.

Huffman, Charles E., Upper Montclair, assignor to Allen B. Dumont Laboratories, Inc., Passaic, N. J. Pickup device for color television. 2,589,386, Mar. 18.

Huffman, Coy L., Greenville, S. C. Connecting member for looms. 2,588,241, Mar. 4.

Huffman, Levi D., assignor to Service Caster and Truck Corporation, Albion, Mich. Fork structure for lift trucks and hoists. 2,609,113, Sept. 2.

Huffman, Lloyd S., and A. B. Justin, assignors of one-fourth to D. Jones, Vernon, Tex., and three-fourths to said Huffman. Minnow bucket. 2,594,172, Apr. 22.

Huffman Manufacturing Company, The, assignee: *See*—
McNeill, Francis R., Grillot, and Abel.

Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. Steroid derivatives and producing the same. 2,584,271, Feb. 5.

Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. Producing sterold esters. 2,585,553, Feb. 12.

Huffman, Max N., Dallas, Tex. Phloroglucinol derivatives. 2,593,563, Apr. 22.

Huffman, Max N., Dallas, Tex., assignor to G. D. Searle & Co., Chicago, Ill. 5-hydroxy-3-(6-hydroxy-2-naphthyl) pentanoic acid lactones. 2,607,780, Aug. 19.

Huffman, Max N., Dallas, Tex., assignor to G. D. Searle and Co., Chicago, Ill. Derivatives of 2-methyl-2-formyl-7-hydroxyoctahydrophenanthrene-1-acetic acid and the production thereof. 2,615,041, Oct. 21.

Huffman, Robert L.: *See*—
Kralovec, Robert D., and Huffman.

Huffman, Russell I.: *See*—
Dafforn, Kenneth B., and Huffman.

Huffman, Russell I., Dover, Ohio, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Iron stand. 2,600,653, June 17.

Huffman, Thomas W., Odessa, Tex. Purging head for radiator core section. 2,613,064, Oct. 7.

Hufnagel, Fred M., Glendale, Calif. Dental and surgical percussion tool. 2,588,006, Mar. 4.

Hufnagel, John P., assignor of one-half to E. Cruttenden, Mansfield, Pa. Throw-away blb. 2,622,246, Dec. 23.

Hufnagel, Joseph F., Los Angeles, Calif. Detachable drawer stop. 2,610,353, Sept. 16.

Huge, Henry M., Lorain, Ohio, assignor to Lorain Products Corporation. Regulated rectifier. 2,611,889, Sept. 23.

Hugenholtz, Eduard H.: *See*—
Olthuis, Jan M., and Hugenholtz.

Hugenholtz, Eduard H., Eindhoven, Netherlends, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for automatic frequency-correction. 2,589,387, Mar. 18.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Impulse generator. 2,591,940, Apr. 8.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency control apparatus. 2,601,436, June 24.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for synchronising two oscillations. 2,605,425, July 29.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discriminator circuit. 2,617,025, Nov. 4.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic frequency control circuit. 2,617,037, Nov. 4.

Hugenholtz, Eduard H. Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic frequency control system. 2,623,177, Dec. 23.

Hugger, Norbert J., Lansing, Mich. Adjustable support for tool frames on a lift type tractor. 2,622,500, Dec. 23.

Hugger, Richard H.: *See*—
Ditto, Marvin W., and Hugger.

Huggins, Leroy G., Glen Ridge, N. J., and W. H. Bulcao, assignors to Horix Manufacturing Company, Pittsburgh, Pa. Apparatus for filling liquid containers having vertically adjustable tank and constant level valves. 2,591,071, Apr. 1.

Hughart, Charles R., Fort Wayne, Ind. Two-man portable power saw. 2,584,209, Feb. 5.

Hughes, Arthur C., Jr.: *See*—
Nyyssonen, Einard, and Hughes.

Hughes, Arthur V., and L. B. Rademacher, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Water trip switch. 2,589,547, Mar. 18.

Hughes, Benjamin H., Winston-Salem, N. C. Restrictor for refrigeration systems. 2,604,119, July 22.

Hughes, David W., Phoenix, Ariz. Sealable food container. 2,613,804, Oct. 14.

Hughes, E. Griffiths, Limited, assignee: *See*—
Blench, Ronald O.
Harris, Walter S.

Hughes, Edgar, assignor to The Meeker Company, Inc., Joplin, Mo. Billfold with unstitched center panel. 2,599,261, June 3.

Hughes, Edward M., Lincoln Park, N. J. Controllable pitch propeller. 2,584,018, Jan. 29.

Hughes, Everett C., Cleveland Heights, and J. D. Bartleson, assignors to The Standard Oil Company, Cleveland, Ohio. Catalyzed sulfide-hydrocarbon reaction products and making same. 2,580,430, Jan. 1.

Hughes, Everett C., Cleveland Heights, and J. D. Bartleson, East Cleveland, assignors to The Standard Oil Company, Cleveland, Ohio. Improving lubricants and lubricating oil additives. 2,587,621, Mar. 4.

Hughes, Floyd H., Union, and G. J. Murray, Belleville, assignors to Hughes-Murray, Inc., Newark, N. J. Method and machine for manufacturing ampoules. 2,595,077, Apr. 29.

Hughes, Frank W., assignor to Enduro Metal Awning Corporation of America, Charleston, W. Va. Rigid awning. 2,586,337, Feb. 19.

Hughes, George E., Kansas City, Mo. Automobile jack. 2,609,177, Sept. 2.

Hughes, Harry: *See*—
Himsworth, Francis R., and Hughes.

Hughes, Henry B., Kingsport, Tenn, Tire chain holder. 2,608,234, Aug. 26.

Hughes, John O. P.: *See*—
Gross, William L., and Hughes.
Gross, William L., Hughes, Wolff, and Frankel.

Hughes, John O. P., Rugby, assignor to The English Electric Company Limited, London, England. Gas turbine locomotive. 2,619,918, Dec. 2.

Hughes, John W., Chatham, N. Y. Paper clip. 2,603,845, July 22.

Hughes, Leslie N.: *See*—
Stanfield, James R., and Hughes.

Hughes, Luther J., Reading, Pa. Tandem axle for trailers. 2,615,728, Oct. 28.

Hughes, Mary F., Jersey City, N. J., M. A. McCallip, Yonkers, H. S. Paine, Dobbs Ferry, and N. Rosenberg, assignors to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Invert sirup process. 2,594,440, Apr. 29.

Hughes, Minor I.: *See*—
Swartz, Louis, and Hughes.

Hughes-Murray, Inc., assignee: *See*—
Hughes, Floyd H., and Murray.

Hughes, Roy G., Warren, Ohio. Furnace draft automatic release. 2,602,333, July 8.

Hughes, Ruby S., assignee: *See*—
Stephens, Eddie E.

Hughes, Samuel, assignor to J. Borroughs and B. Petray, Oakland, Calif. Push and pull exerciser. 2,603,486, July 15.

Hughes, Thomas E., Mobile, Ala., assignor of one-half to W. A. Wood. Puncture-type tester for airplane fabrics. 2,588,387, Mar. 11.

Hughes Tool Company, assignee: *See*—
Grant, David, and Hall.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Pneumatic telemetering transmitter. 2,584,455, Feb. 5.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Rotary disk valve. 2,613,056, Oct. 7.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Apparatus for submerged gas diffusion. 2,622,858, Dec. 23.

Hughes, William B.: *See*—
Grenwald, Bertrand W., and Hughes.

Hughes, William B., Barnsdall, assignor to Cities Service Oil Company, Bartlesville, Okla. Purification of organic acids. 2,600,166, June 10.

Hughes, Winona, assignee: *See*—
Marlowe, Harold J.

Hughes, Zach A., New Caney, Tex. Barbecue pit. 2,591,072, Apr. 1.

Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Sequentially operated valve mechanism. 2,615,464, Oct. 28.

Hugin, Adolph C., Washington, D. C. Musical instrument. 2,595,381, May 6.

Hugin, Adolph C., Washington, D. C. Musical instrument. 2,595,382, May 6.

Huguenin, Marc, Geneva, Switzerland, assignor to Montres Rolex S. A. (Rolex Watch Co. Ltd.) Dial retainer for calendar timepieces. 2,590,967, Apr. 1.

Huguenin, Marc, Geneva, Switzerland, assignor to Montres Rolex S. A. (Rolex Watch Co. Ltd.). Calendar timepiece. 2,591,819, Apr. 8.

Huguenin, Marc, Geneva, Switzerland, assignor to Montres Rolex SA (Rolex Watch Co. Ltd.). Shaped timepiece automatically rewound by means of a movable mass. 2,610,462, Sept. 16.

Huguenin, Marc, Geneva, Switzerland, assignor to Montres Rolex S.A. (Rolex Watch Co. Ltd.). Automatic winding timepiece. 2,619,791, Dec. 2.

Huguet, James H.: *See*—
Governale, Luke J., Huguet, and Neher.

Huhn, Fritz, Ventura, Calif. Apparatus for internal magnetic and mechanical inspection of pipes and the like. 2,587,476, Feb. 26.

Huhn, Paul J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Hand die. 2,586,823, Feb. 26.

Huhta, Donald S.: *See*—
Hoven, Alfred C., Nordmark, and Huhta.

Huitema, Jacob J., New Paris, Ind. Ground wheel operated fertilizer distributor. 2,605,935, Aug. 5.

Huizenga, Charles B., assignor to The Kawneer Company, Niles, Mich. Lateral arm assembly for aluminum awnings. 2,585,319, Feb. 12.

Huizenga, Charles B., assignor to The Kawneer Company, Niles, Mich. Door construction. 2,610,369, Sept. 16.

Huizinga, Bouke B., Leeuwarden, Netherlands. Raking and bundling machine. 2,587,323, Feb. 26.

Hujsak, Karol L., M. B. Kratzer, and R. Mungen, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. System for synthesis from hydrogen and carbon monoxide with fluidized catalyst. 2,620,262, Dec. 2.

Hulbert, Reed O., Ashtabula, Ohio. Motor vehicle wheel truck. 2,610,750, Sept. 16.

Hulett, Rutherford S. L., Umhlali, Natal, Union of South Africa. Machine for dispensing rodlike articles, such as sugarcane setts. 2,617,556, Nov. 11.

Hulfish, Buford W., Chicago, Ill., assignor to Birtman Electric Company. Jig saw. 2,619,996, Dec. 2.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Caesium electric discharge device. 2,600,246, June 10.

Hull, Allan H., Lakewood, Ohio. Shirt collar attachment. 2,599,636, June 10.

Hull, David C.: *See*—
Hagemeyer, Hugh J., Jr., and Hull.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of alkyl-substituted cyclohexanes using aldehyde-activated catalysts. 2,588,388, Mar. 11.

Hull, Edwin H., Schenectady, and A. F. Winslow, Scotia, N. Y., assignors to General Electric Company. Pressure-operated starting device. 2,597,641, May 20.

Hull, George A., Detroit, Mich. Adjustable locating stop for machine tools. 2,620,688, Dec. 9.

Hull, George A., Wichita, Kans. Garden tractor. 2,583,846, Jan. 29.

Hull, George F., Yallourn, Victoria, Australia. Hair cap for bald or sparsely haired heads. 2,602,460, July 8.

Hull, Henry E., Worthington, assignor, by mesne assignments, to Ohlen-Bishop Manufacturing Company, Columbus, Ohio. Saw-setting machine. 2,581,415, Jan. 8.

Hull, Joseph F., Neptune, N. J. Magnetron. 2,609,522, Sept. 2.

Hull, Lewis W.: *See*—
Flosdorf, Earl W., and Hull.

Hull, Maurice E., La Grange, assignor to Armour and Company, Chicago, Ill. Recovery of protein from whey. 2,595,459, May 6.

Hull, Philip C., assignor to The Parker Pen Company, Janesville, Wis. Ball point writing instrument. 2,588,629, Mar. 11.

Hull, Philip C., assignor to The Parker Pen Company, Janesville, Wis. Nib for writing pens. 2,598,171, May 27.

Hull, Richard W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Resistor spool. 2,604,275, July 22.

Hull, Robert B., assignor to Engineering Controls, Inc., Los Angeles, Calif. Condenser. 2,614,816, Oct. 21.

Hull, Warren D.: *See*—
Dice, Henry K., Jeffries, and Hull.

Hulland, Hubert L.: *See*—
Wood, William S., Clennett, and Hulland.

Hullegård, Erik W.: *See*—
Kfell, Knut, and Hullegård.

Hullegård, Erik W., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone switch utilizing a multielectrode gaseous discharge tube. 2,589,697, Mar. 18.

Hullegård, Erik W., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Gaseous discharge tube. 2,612,625, Sept. 30.

Hull-Ryde, Arthur, assignee: *See*—
Groves, Martin V.

Hulman, Julius: *See*—
Beaman, Bernard, Hulman, and Stein.

Hulme, Richard E., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Obtaining magnesia. 2,603,555, July 15.

Hulsaple, Theodore B., Poughkeepsie, N. Y. Edge finding indicator. 2,601,437, June 24.

Hulse, Alexander B., Jr., Dallas, Tex. Concentric helical drum differential winch. 2,590,623, Mar. 25.

Hulse, John W., Northwich, assignor of one-half to W. L. Holland Limited, Preston, England. Automatic leveling device for wheel type ditching machines. 2,621,427, Dec. 16.

Hulsey, Jesse W., Jr., St. Louis, Mo. Adjustable window guard. 2,584,706, Feb. 5.

Hulsizer, Robert I., Jr., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna positioning system. 2,589,813, Mar. 18.

Hulson Company, assignee: *See*—
Hulson, John W.

Hulson, John W., assignor to Hulson Company, Chicago, Ill. Journal lubricator. 2,581,020, Jan. 1.

Hulst, George D., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Television receiver. 2,611,881, Sept. 23.

Hulst, George D., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Power supply. 2,618,773, Nov. 18.

Hulstede, George E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Indicating device. 2,609,422, Sept. 2.

Hulswit, William H., Jr., Grosse Pointe, W. F. R. Briscoe, and V. H. Berry, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire mold. 2,618,812, Nov. 25.

Hultberg, Carl A., Buffalo, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Neutralized regenerative amplifier. 2,621,264, Dec. 9.

Hultgren, Axel G. E., Djursholm, Sweden. Carburization of iron and steel. 2,584,019, Jan. 29.

Hulthen, Sven L., Hoganas, Sweden, and M. H. A. Tikkanen, Helsingfors, Finland, assignors to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Reduction and sintering of bodies containing reducible metal compounds. 2,598,796, June 3.

Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Making packages. 2,606,411, Aug. 12.

Hultquist, Earl F.: *See*—
Kanawyer, Harold J., and Hultquist.

Hultquist, Martin E.: *See*—
Germann, Richard P., Hultquist, and Smith.

Hultquist, Martin E., Bound Brook, and J. M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Pterins and production of the same. 2,595,196, Apr. 29.
Hultquist, Martin E., Bound Brook, and K. L. Howard, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-(2-pyridyl) piperazine and preparing same. 2,606,906, Aug. 12.
Humason, Granville A., Houston, Tex. Gas lift. 2,612,111, Sept. 30.
Humber Limited, assignee: *See*—
Kamper, Andrew M.
Hume, Clifford J., Toronto, Ontario, Canada. Baby chair convertible into satchel. 2,598,385, May 27.
Hume, George B., Kansas City, assignor to Hume Manufacturing Company, North Kansas City, Mo. Spool rack. 2,588,529, Mar. 11.
Hume, Harold F., Marshallton, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Method and apparatus for the drawing of synthetic funicular structures. 2,611,923, Sept. 30.
Hume, Horace D. Mendota, Ill. Cutting and harvesting vine and bush crops. 2,581,661, Jan. 8.
Hume, Horace D., Mendota, Ill. Harvester support mechanism. 2,603,054, July 15.
Hume, Horace D., Mendota, Ill. Adjustable conveyer for harvesters. 2,603,346, July 15.
Hume Manufacturing Company, assignee: *See*—
Hume, George B.
Hume, Tirey L.: *See*—
Meighan, William A., and Hume.
Hume, William L., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Hydraulic fitting. 2,599,389, June 3.
Humelin, Ernst A. A., Tammerfors, Finland. Double-acting wood wool machine. 2,605,793, Aug. 5.
Humes, Gale, Garden City, assignor to Manuel Turchan, Dearborn, Mich. Hydraulically balanced tracer with eccentrically mounted tracer arm. 2,622,616, Dec. 23.
Humfeld, George P.: *See*—
O'Mahony, Eugene D., and Humfeld.
Humfeld, Harry, Berkeley, E. Aeschlimann, Oakland, and J. R. Hoffman, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Foam breaker for submerged culture fermentor. 2,610,155, Sept. 9.
Humfeld, Harry, Orinda, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Production of mushroom mycelium. 2,618,900, Nov. 25.
Humiston, Homer A.: *See*—
Gerwin, Harry L., and Humiston.
Humma, Cyril A., assignor of thirty-three and one-third per cent to G. Humma, Kenhorst, Pa. Demountable wheel assembly. 2,611,653, Sept. 23.
Humma, George, assignee: *See*—
Humma, Cyril A.
Hummel, Charles, assignor to Gebrüder Bühler, Uzwil, Switzerland. Continuous-type spaghetti drier. 2,583,847, Jan. 29.
Hummel, Charles, assignor to Gebrüder Bühler, Uzwil, Switzerland. Mechanism for continuously producing, drying, and packaging spaghetti and like dough-string articles in equal quantities or weights. 2,622,645, Dec. 23.
Hummel, Frederick E., Chicago, Ill. Comb cleaner embodying a casing and spring retracted flexible element. 2,592,145, Apr. 8.
Hummel, Frederick E., Chicago, Ill. Cooking utensil. 2,618,219, Nov. 18.
Humpal, Eugene G.: *See*—
Balogh, Roy O., and Humpal.
Humpal, Eugene G., and R. O. Balogh, Cleveland, Ohio, assignors, by mesne assignmments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Jib crane. 2,588,928, Mar. 11.
Humpal, Raymond P.: *See*—
Bailey, Frank N., and Humpal.
Humphlett, Wilma D., Agawam, assignor to Malone Knitting Company, Springfield, Mass. Side seamed shoulder supported garment with side reinforcements and making same. 2,598,172, May 27.
Humphner, Ferdinand W., River Forest, Ill. Calendered crinkled paper and manufacture. 2,598,173, May 27.
Humphrey, Eugene O., Salt Lake City, Utah. Railway switch. 2,607,003, Aug. 12.
Humphrey, James M., New Richmond, Wis., and J. J. Grevich, St. Paul, Minn., assignors, by mesne assignments, to Harris Trust and Savings Bank and W. H. Milsted, as trustees. Heat seamer. 2,611,725, Sept. 23.
Humphrey, Ralph, Wichita, Kans. Storm sash glass channel. 2,621,764, Dec. 16.
Humphrey, Robert P., assignor to General Gas Light Company, Kalamazoo, Mich. Safety gas pilot with draft guard. 2,581,590, Jan. 8.
Humphrey, Warren A.: *See*—
Snyder, Eugene L., and Humphrey.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,465, Feb. 12.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Adjustable brush in a suction cleaning tool. 2,591,262, Apr. 1.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Bread toasting apparatus and control. 2,594,441, Apr. 29.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner with agitator disconnect. 2,601,698, July 1.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner nozzle adjustment and converter guide. 2,616,116, Nov. 4.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,616,357, Nov. 4.
Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner tool assembly. 2,619,671, Dec. 2.
Humphrey, Warren A., and O. B. Sutton, Canton, assignors to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,466, Feb. 12.
Humphreys & Glasgow Limited, assignee: *See*—
Gavin, Robert C.
Humphreys, Harry S., assignor to Armstrong Cork Company, Lancaster, Pa. Block printing surface coverings. 2,598,386, May 27.
Humphreys Investment Company, The, assignee: *See*—
Humphreys, Ira B.
Humphreys, Ira B., assignor to The Humphreys Investment Company, Denver, Colo. Fishing rod and reel. 2,584,020, Jan. 29.
Humphreys, John W., assignor to Johnson Products, Inc., Muskegon, Mich. Cushioning and silencing mechanical tappet. 2,615,439, Oct. 28.
Humphreys, Marion W., Euclid, Ohio. Machine tool. 2,584,456, Feb. 5.
Humphries, Horace E., assignor to Siemens Brothers & Co. Limited, London, England. Telephone extension control system. 2,619,550, Nov. 25.
Humphries, Stanley: *See*—
Davis, Charles S., Jr., Humphries, and Ricard.
Hundstad, Richard L., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Combustion chamber with diverse combustion and diluent air paths. 2,588,728, Mar. 11.
Hungate, William, assignor, by mesne assignments, to Leverton and Company, Houston, Tex. Fruit stuffing machine. 2,597,933, May 27.
Hungerford, Daniel C., Madison, assignor to Hungerford Plastics Corporation, Rockaway, N. J. Handle bar grip. 2,618,986, Nov. 25.
Hungerford, Fred C., Horseheads, N. Y. Fish landing net. 2,600,773, June 17.
Hungerford, Gerard J.: *See*—
Bond, Robert D., and Hungerford.
Hungerford Plastics Corporation, assignee: *See*—
Hungerford, Daniel C.
Hungerford, William M., Manhattan, Kans. Marking instrument. 2,581,534, Jan. 8.
Hunicke, William F., and W. Haseman, assignors of fifty-one per cent to C. R. Jones, Evansville, Ind. Fishing lure, including fish actuated impaling means. 2,619,756, Dec. 2.
Hunn, James V., Avon Lake, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Preparation of aluminum and magnesium soaps. 2,582,833, Jan. 15.
Hunn, James V., Avon Lake, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Gel-type fuel and making same. 2,618,536, Nov. 18.
Hunn, James V., Avon Lake, and M. W. Pascal, Shaker Heights, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Solvent extraction of oil. 2,605,271, July 29.
Hunn, James V., Avon Lake, and M. W. Pascal, Shaker Heights, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Removing fines from vegetable oils and miscella containing said oils. 2,605,272, July 29.
Hunrath, George, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Supersonic treatment of battery materials. 2613,877, Oct. 14.
Hunsaker, Eugene L., Manhattan Beach, Calif., assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Contrarotating turbojet engine having independent bearing supports for each turbocompressor. 2,608,821, Sept. 2.
Hunsaker, Harold J., Dallas, Tex., and D. C. McCullough, assignors to Harry Ferguson, Inc., Dearborn, Mich. Tractor hoist. 2,591,435, Apr. 1.
Hunsicker, Clyde L., San Francisco, Calif. Momentum controlled brake for fishing reels. 2,598,387, May 27.
Hunsucker, William A., Los Angeles, Calif. Submarine foundation and erecting. 2,612,024, Sept. 30.
Hunsucker, William A., Los Angeles, Calif. Prefabricated marine structure. 2,612,025, Sept. 30.
Hunsworth, Melvin T., Collegeville, Pa., assignor to Container Corporation of America, Chicago, Ill. Textile container with slotted corners. 2,581,105, Jan. 1.
Hunt, Cyrus G., Chagrin Falls, Ohio. Miter box with spring pressed roller saw guide. 2,618,299, Nov. 18.
Hunt, David L. and E. J., Ephrata, Wash. Pin cushion. 2,605,032, July 29.
Hunt, Dick A., Fort Oglethorpe, Ga. Bed and partition construction. 2,586,232, Feb. 19.

Hunt, Edward J.: *See*—
Hunt, David L. and E. J.
Hunt, Foy F., Alhambra, Calif. Sack holder. 2,585,320, Feb. 12.
Hunt, Frederick V., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Transducer. 2,595,791, May 6.
Hunt, J Harold, East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,608,236, Aug. 26.
Hunt, James L., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Pipe cutting apparatus. 2,586,824, Feb. 26.
Hunt, John W., assignor of one-half to W. P. Barrett, Pontiac, Mich. Load-carrying safety switch. 2,601,144, June 17.
Hunt, Melvin W., Gardena, Calif. Double swing. 2,580,920, Jan. 1.
Hunt, Ralph R., Haddonfield, N. J. Ratchet wrench spinner. 2,612,807, Oct. 7.
Hunt, Robert A.: *See*—
Hastings, Warren W., and Hunt.
Hunt, Rodney, Machine Company, assignee: *See*—
Belcher, Harold H.
Belcher, Harold H., and Jones.
Müller, Hans K.
Hunt, Scott F.: *See*—
Chandler, Milton E., and Hunt.
Hunt, Scott F., Meriden, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,601,975. July 1.
Hunt, Warren L., Aspers, Pa. Fabric-reinforced bowling pin. 2,610,057, Sept. 9.
Hunt, William H., National City, and G. S. Smith, Bakersfield, assignors of one-third to I. Smith, San Diego, Calif. Parachute release. 2,607,159, Aug. 19.
Hunt, William T., Jr., Williamsville, N. Y., assignor to Westinghous Electric Corporation, East Pittsburgh, Pa. Tension control system. 2,601,527. June 24.
Huntar, Felix, Livingston, and G. O. Frey, Newark, N. J., assignors to American Can Company, New York, N. Y. Article marking mechanism. 2,601,826, July 1.
Hunter, Byron A: *See*—
Kulp, Lester C., Van Buskirk, and Hunter.
Hunter, Byron A., Seymour, Conn., assignor to United States Rubber Company, New York, N. Y. Stabilization of synthetic rubber. 2,587,477, Feb. 26.
Hunter, Byron A., Oxford, Conn., assignor to United States Rubber Company, New York, N. Y. Rubber anticracking chemicals. 2,605,250, July 29.
Hunter, Cecil M.: *See*—
Brown, Charles S., and Hunter.
Hunter, Clarence S., F. W. Hoyt, and G. F. Nadeau, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic element and tinted film base. 2,622,026, Dec. 16.
Hunter, Cora H., San Diego, Calif. Suppository injector. 2,589,388, Mar. 18.
Hunter Douglas Corporation, assignee: *See*—
Hunter, Joseph L., and Martin.
Martin, Thomas A., and Hunter.
Rutledge, Melvin C.
Hunter, Edward A., Baton Rouge, La., assignor to Standard Oil Development Company. Treatment of silica-alumina containing gels. 2,582,254, Jan. 15.
Hunter, Ernest E., Dallas, Tex. Lighting device. 2,595,664, May 6.
Hunter Fan and Ventilating Company, assignee: *See*—
Buttner, Carl M.
Hunter Fan and Ventilating Company, Inc., assignee: *See*—
Richmond, George B.
Hunter, Frank B., Van Nuys, Calif. Lock nut. 2,622,649, Dec. 23.
Hunter, Fred, Lancaster, S. C., assignor to Precision Gear & Machine Company, Charlotte, N. C. Lap pin and calender rack. 2,584,457, Feb. 5.
Hunter, George D., Rocky Mount, N. C. Control valve for power transmissions. 2,608,994, Sept. 2.
Hunter, Gerald G., assignor to Baldwin Rubber Company, Pontiac, Mich. Weather strip. 2,593,305, Apr. 15.
Hunter, James H., assignor to The Upjohn Company, Kalamazoo, Mich. Pyrrolidyl thiolesters. 2,584,131, Feb. 5.
Hunter, James H., and R. B. Moffett, assignors to The Upjohn Company, Kalamazoo, Mich. Reduction of 11-ketosteroids. 2,615,903, Oct. 28.
Hunt, James R., Hillsboro, Ohio. Electric heat shaver. 2,622,319, Dec. 23.
Hunter, Joseph L.: *See*—
Martin, Thomas A., and Hunter.
Hunter, Joseph L., and T. A. Martin, assignors, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Fabricating plastic Venetian blind ladders. 2,614,956, Oct. 21.
Hunter, Lloyd P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconductor relay device. 2,604,496, July 22.
Hunter, Lyman G., Indianapolis, Ind., assignor to Herff-Jones Company. Finger ring holder. 2,618,382, Nov. 18.
Hunter Manufacturing Corporation, assignee: *See*—
Renton, Henry N.
Hunter, Melvin J.: *See*—
Fletcher, Herbert J., and Hunter.
Goodwin, John T., Jr., and Hunter.
Hunter, Melvin J., and L. A. Rauner, assignors to Dow Corning Corporation, Midland, Mich. Condensation of an organo silane with a polyhydric alcohol and thereafter with a polycarboxylic acid and product. 2,584,351, Feb. 5.
Hunter, Melvin J., and H. J. Fletcher, assignors to Dow Corning Corporation, Midland, Mich. High viscosity low freezing organo-siloxane fluids. 2,614,989, Oct. 21.
Hunter, Myrtle M., assignee: *See*—
Hunter, Noble A.
Hunter, Noble A., assignor of fifty per cent to M. M. Hunter, Capac, Mich. Apparatus for molding printing base material. 2,581,860, Jan. 8.
Hunter, Nova E., Frazeysburg, Ohio. Slide seat 2,615,493, Oct. 28.
Hunter-Penrose Limited, assignee: *See*—
Medcalf, Henry V. G.
Hunter, Philip E.: *See*—
Judson, Charles A., Read, and Hunter.
Hunter, Ralph M.: *See*—
Haney, Joseph K., Hunter, and Robinson.
Hunter, Ralph W., Jacksonville, Fla. Device to conduct aqueous vapor from radiator to carburetor in water-cooled automotive equipment. 2,597,732, May 20.
Hunter, Richard B., and E. Pell, Shorewood, and N. L. Schmitz, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Load relay circuits for induction motors. 2,620,464, Dec. 2.
Hunter, Richard S., Franklin Park, Va., assignor to the United States of America as represented by the Secretary of Commerce. Signaling mirror. 2,594,310, Apr. 29.
Hunter, Robert F., Quincy, Mass. Filter for cooking fats. 2,610,740, Sept. 16.
Hunter, Robert K., Oak Park, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic apparatus. 2,610,909, Sept. 16.
Hunter, Rutherford H., Wooster, Ohio. Silent ball cock. 2,588,242, Mar. 4.
Hunter, Rutherford H., Wooster, Ohio. Temperature control system. 2,616,451, Nov. 4.
Hunter, Rutherford H., Wooster, Ohio. Flow regulator and float valve assembly. 2,619,122, Nov. 25.
Hunter Spring Company, assignee: *See*—
Clarke, Philip C.
Goodfried, William J.
Hunter, Walker F., and E. W. Jensen, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for indicating liquid level. 2,614,427, Oct. 21.
Hunter, William: *See*—
Groombridge, Walter H., and Hunter.
Page, Ronald, and Hunter.
Hunter, William B., Wellesley, assignor to The Comtor Company, Waltham, Mass. Dial mounting for micrometer calipers. 2,581,955, Jan. 8.
Hunter, William K., Lyons, assignor to Universal Oil Products Company, Chicago, Ill. Continuous conversion and coking of heavy liquid hydrocarbons. 2,598,058, May 27
Huntington, Charles M., United States Navy, Los Angeles, Calif. Roll material dispenser. 2,592,571, Apr. 15.
Huntington, Charles M., U. S. Navy, Coronado, Calif. Turbine-type hydraulic torque converter. 2,616,261, Nov. 4.
Huntington, Samuel S., Idaho Springs, Colo. Ski lift. 2,582,201, Jan. 8.
Huntington, Victor C., Kenmore, N. Y. Universal coupling. 2,599,329, June 3.
Huntington, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control apparatus. 2,583,178, Jan. 22.
Huntington, William L., Minneapolis, and M. G. Sogge, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,604,107, July 22.
Huntley, Frederick H., assignor to Motor Wheel Corporation, Lansing, Mich. Thermostatic fuel control system. 2,582,334, Jan. 15.
Huntley, Keith G., Harlington, Hayes, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge tube circuits for generating electrical oscillations of saw-tooth wave form. 2,621,237, Dec. 9.
Huntley, Keith G., Harlington, Hayes, assignor to Electric & Musical Industries Limited, Hayes, England. Circuits for generating saw tooth oscillations. 2,622,227, Dec. 16.
Huntting, Donald B., West Hartford, assignor to The E. Horton & Son Company, Windsor Locks, Conn. Body for a chuck having radially movable jaws. 2,597,489, May 20.
Huntzicker, Harry N., and J. K. Wise, Evanston, assignors to United States Gypsum Company, Chicago, Ill. Plasterboard, scuff resistant paper liner, and process. 2,590,013, Mar. 18.

Huntzinger, Gerald O.: *See*—
Brundage, William F., and Huntzinger.

Hunziker, Emil, Bern, Switzerland, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Device for removing printed sheets from swinging platen printing presses. 2,619,902, Dec. 2.

Hunziker, Fred, assignor to The Weatherhead Company, Cleveland, Ohio. Sawing machine. 2,599,056, June 3.

Hunziker, Fred, University Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Indexing chuck. 2,596,484, May 13.

Hunziker, Fred, University Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Indexing chuck. 2,621,937, Dec. 16.

Hupcey, Joseph V.: *See*—
Sensiper, Samuel, Muchmore, and Hupcey.

Hupp Corporation, assignee: *See*—
Ardussi, Wallace F.
Rath, Karl.
Rossmann, Peter F.
Rossmann, Peter F., and Rath.

Hupp, Edward E.: *See*—
Thomas, Thomas H., Hupp, and Williams.

Huppertz, George C., St. Charles, Ill. Filter construction. 2,594,650, Apr. 29.

Hurault, Jean L., assignor to Compagnie Industrielle des Telephones, Paris, France. Ringing and regulating device for carrier current transmission system. 2,613,279, Oct. 7.

Hurd, Charles D., Evanston, Ill., assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Ethylidene bis-(allyl adipate) and other acylals. 2,592,901, Apr. 15.

Hurd, Dallas T.: *See*—
Burkhard, Charles A., and Hurd.

Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of boron compounds. 2,596,690, May 13.

Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Purification of metal carbonyls. 2,601,022, June 17.

Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of tungsten carbide. 2,601,023, June 17.

Hurd, Edwin P., and H. F. Dies, assignors to Hurd Lock and Manufacturing Company, Detroit, Mich. Enclosed level-wind for fishing reels. 2,600,774, June 17.

Hurd, Eric W., assignor to Hardypick Limited, Sheffield, England. Machine for operating in rock, coal, and the like. 2,613,061, Oct. 7.

Hurd Lock and Manufacturing Company, assignee: *See*—
Dies, Herbert F., and Blackmore.
Hurd, Edwin P., and Dies.

Hurd, Thaddeus B.: *See*—
Shannon, Harold S., and Hurd.

Hurd, Thaddeus B., Detroit, Mich., assignor to National Steel Corporation. Wall construction. 2,595,665, May 6.

Hurd, Thaddeus B., Detroit, Mich., assignor to National Steel Corporation. Building construction. 2,610,709, Sept. 16.

Hurlbert, Howard H., Kinsman, Ohio. Sprayer and mounting therefor. 2,621,074, Dec. 9.

Hurlburt, Wallace B., Cincinnati, Ohio. Distributor for particulate material. 2,623,661, Dec. 30.

Hurlbut, Cornelius S., Jr., Belmont, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Film rack. 2,590,705, Mar. 25.

Hurlbut, James H., and C. R. Heininger, Stockton, Calif., assignors, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostat safety control. 2,584,458, Feb. 5.

Hurlbut, James H., South Gate, and C. R. Heininger, Stockton, Calif., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control device. 2,592,424, Apr. 8.

Hurley, Elmer B., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Adjustable nozzle for coating machines. 2,597,331, May 20.

Hurley, Eric: *See*—
Caldwell, Stanley B., and Hurley.

Hurley, Forrest R.: *See*—
Malowan, John E., and Hurley.

Hurley, Forrest R., Jamestown, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Aromatizing hydrocarbons with metal fluoride catalyst in presence of oxygen and hydrogen fluoride. 2,598,642, May 27.

Hurley, Herman W., Louisville, Ky., assignor of fifty per cent to A. Ehrsam, Fredericksburg, Ind. Garment drying rack support. 2,590,410, Mar. 25.

Hurley, Melvin S., Tondu, near Bridgend, England. Hand tool for making rugs, carpets, and the like with a cut pile. 2,605,727, Aug. 5.

Hurley, Patrick J., assignee: *See*—
Herod, Ray H.

Hürlimann, Hans, Baar, Switzerland, assignor to Landis & Gyr, A. G. Ring balance. 2,608,097, Aug. 26.

Hurlin, William H., assignee: *See*—
Hildreth, William A.

Hurlin, William H., Antrim, N. H. Spring lock hinge and latch for playpens. 2,621,360, Dec. 16.

Hurni, George K., Oakland, Calif., assignor to Marchant Calculating Machine Company. Selection mechanism. 2,583,377, Jan. 22.

Huron Portland Cement Company, assignee: *See*—
Schemm, Henry R.

Hurrey, Ross C., and H. R. Montague, Washington, D. C. Heat sealing. 2,606,856, Aug. 12.

Hurry, James A., and E. Nassimbene, assignor to The Gates Rubber Company, Denver, Colo. Method and apparatus for making and curing power transmission belts. 2,600,775, June 17.

Hursh, Lucile M., assignee: *See*—
Snyder, Cyrus L., and Schroeder.

Hursh, Samuel R., Bala-Cynwyd, and C. J. Reigh, Altoona, Pa., said Reigh assignor to said Hursh. Ballast tamping apparatus. 2,587,324, Feb. 26.

Hurst, Edmund E., and J. W. Paxton, Bloomington, Ill. Prospective drafting device. 2,590,252, Mar. 25.

Hurst, George S., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fast neutron dosimeter. 2,616,052, Oct. 28.

Hurst, John, Ravenna, Ohio. Pie container. 2,602,540, July 8.

Hurst, Max, assignor to Robert Bosch, G. m. b. H., Stuttgart, Germany. Speed controlled governor. 2,588,119, Mar. 4.

Hurst, Mowatt M., San Francisco, Calif. Drier. 2,592,902, Apr. 15.

Hurst, Thomas L.: *See*—
Waring, Robert K., Fetterolf, and Hurst.

Hurst, Thomas M., Rock Hill, S. C., assignor to Celanese Corporation of America. Yarn package support. 2,589,389, Mar. 18.

Hurt, Harvey U., River Rouge, Mich. Knife for removing putty. 2,602,995, July 15.

Hurt, Percy F., U. S. Navy, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Aircraft rocket launcher. 2,599,555, June 10.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Vulcanizing unit. 2,589,390, Mar. 18.

Hurter, Alfred T., assignor to Stadler, Hurter & Company, Montreal, Quebec, Canada. Storage bin with pressure-relieving baffles. 2,598,388, May 27.

Hurvitz, Hyman, Washington, D. C., assignor, by mesne assignments, to M. Wallace, doing business as Panoramic Laboratories, East Portchester, Conn. Cathode-ray tube wavemeter. 2,608,669, Aug. 26.

Hurwitz, Joseph, Brookline, Mass.; now by judicial change of name Joseph Howard. Automobile body tilt preventer. 2,606,038, Aug. 5.

Hurwitz, Marvin J., Brooklyn, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyamide molding powder. 2,615,002, Oct. 21.

Hurwitz, Melvin D., assignor to Rohm & Haas Company, Philadelphia, Pa. Aldimines. 2,582,128, Jan. 8.

Hurwitz, Melvin D., Philadelphia, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Methylene-bis-2-imidazolidones. 2,613,210, Oct. 7.

Hurwitz, Melvin D., Philadelphia, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Imidazolidinethiones. 2,613,211, Oct. 7.

Hurwitz, Melvin D., Philadelphia, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Imidazolidone derivatives. 2,613,212, Oct. 7.

Hurxthal, Alpheus O., Wyncote, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Apparatus for treating textile materials. 2,597,490, May 20.

Husband, Frederick R., Thames, Auckland, New Zealand. Oil burner and fuel feed system for same. 2,603,278, July 15.

Husband, Robert M., Fort Wayne, Ind. Toy railroad track. 2,584,388, Feb. 5.

Huscher, Myron E., M. W. Long, Jr., and J. C. Moore, Midland, Mich., assignors to The Dow Chemical Company. Making polyalkanolamines. 2,602,819, July 8.

Huse, Hiram N., Providence, R. I. Preparation of extensible thread for winding about objects. 2,599,390, June 3.

Huseby, Ervin, Belview, Minn. Dump rake locking device. 2,607,181, Aug. 19.

Huseby, Oscar, Marlin, Tex. Insect collecting and destroying machine. 2,617,229, Nov. 11.

Husemann, Henry C., St. Louis, Mo. Glass washing machine. 2,599,455, June 3.

Hushley, Walter J., and R. L. Longini, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus and method for dispersing a phosphor in a liquid. 2,586,338, Feb. 19.

Huskey, Joseph E., Newport, Tenn. Battery filler. 2,615,607, Oct. 28.

Husome, Carl E.: *See*—
Pizak, James J., and Husome.

Husqvarna Vapenfabriks Aktiebolag, assignee: *See*—
Hulthen, Sven I., and Tikkanen.
Karlsson, Anders B. E.
Karlsson, Anders B. E., and Eriksson.
Reniman, Göte.

Hussey, Chester L., Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Spring clamp wire extractor construction for firearms. 2,603,020, July 15.

Hussman, Carl, Chicago, Ill. Vibration isolating support. 2,597,244, May 20.

Hussman, Carl, Chicago, Ill. Vibration isolation unit. 2,597,800, May 20.

Husted, Donald R.: *See*—
Ahlbrecht, Arthur H., and Husted.

Husted, Harry A., assignor to A. T. Tebbe, St. Joseph, Mich. Sign. 2,587,325, Feb. 26.

Husted, William D., Shavertown, Pa. Container opener. 2,609,600, Sept. 9.

Husted, William D., Shavertown, Pa. Can opener. 2,609,601, Sept. 9.

Huston, Charles E., San Marino, Calif. Collapsible vegetable packing apparatus. 2,590,965, Apr. 1.

Huston, Leroy R.: *See*—
Drake, Theodore R., and Huston.

Huston, Owen H., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Mutual inductance system. 2,614,164, Oct. 14.

Huston, Ralph C., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Grate fired fluid heating unit. 2,583,265, Jan. 22.

Huston, William D.: *See*—
Brady, James M., and Huston.

Hutaff, Julian B., assignor to Julian's, Inc., Fayetteville, N. C. Bottle handling apparatus. 2,602,555, July 8.

Hutchens, Ralph O., Compton, Calif. Lawn trimming and edging apparatus. 2,618,919, Nov. 25.

Hutchens, Theodore G., Wichita, Kans. Domestic autoclave. 2,622,186, Dec. 16.

Hutcheson, John W., Bencon, assignor to The Texas Company, New York, N. Y. Manufacture of magnesium salts of high molecular weight alkylated hydroxy aromatic compounds and their use in lubricating oils. 2,610,982, Sept. 16.

Hutchings, Claude B., Medical Lake, Wash. Automatically releasable flank strap fastener. 2,608,812, Sept. 2.

Hutchings, Claude B., Medical Lake, Wash. Veterinary pen. 2,616,392, Nov. 4.

Hutchins, Alma A., assignee: *See*—
Martin, Earnest E.

Hutchins, Alma A., Pasadena, Calif. Reciprocating tool actuating device. 2,618,242, Nov. 18.

Hutchins, Edwin L., San Diego, and J. O. Butler, Chula Vista, Calif., said Butler assignor to said Hutchins. Spotting gun. 2,606,069, Aug. 5.

Hutchins, Francis E., East Norwalk, and C. J. Golding, South Norwalk, Conn., assignors to R. T. Vanderbilt Co., Inc. Heat-treating a swellable bentonite to increase its thickening power. 2,610,951, Sept. 16.

Hutchins, Harry P., Audubon, N. J. Oscillatable baseball game board. 2,591,357, Apr. 1.

Hutchinson, Archibald D. L., Seattle, Wash. Dump truck. 2,581,662, Jan. 8.

Hutchinson, Archibald D. L., Seattle, Wash. Body control mechanism for dump trucks. 2,620,225, Dec. 2.

Hutchinson, Arthur J. L., assignor to Fish Engineering Corporation, Houston, Tex. Selective separation of acidic gases. 2,613,132, Oct. 7.

Hutchinson, Clyde A., Jr., and J. S. Smith, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Boron chloride production from an alloy of boron with tantalum. 2,589,391, Mar. 18.

Hutchinson, Elizabeth S. W., executrix: *See*—
Hutchinson, Philip H.

Hutchinson, Harold D., Gardena, Calif. Method and apparatus for producing vapor trails. 2,591,157, Apr. 1.

Hutchinson, Harry A., and R. C. Patchett, Sebastopol, Calif.; said Patchett assignor to said Hutchinson. Egg cleaning machine. 2,587,730, Mar. 4.

Hutchinson, Harry H., Higher Crumpsall, Manchester, England. Protecting windows against superficial damage. 2,592,805, Apr. 15.

Hutchinson, Herman R., Jenkintown, assignor to C. F. Rumpp & Sons, Philadelphia, Pa. Wallet. 2,601,145, June 17.

Hutchinson, Martin B., Grosse Pointe Farms, and R. J. Shillum, assignors to Brown-Hutchinson Iron Works, Detroit, Mich. Heat treat tray. 2,605,092, July 29.

Hutchinson, Philip, Lowestoft, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Button drilling machine. 2,619,856, Dec. 2.

Hutchinson, Philip H., deceased, late of Montclair, N. J., by E. S. W. Hutchinson, executrix, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Roll grinding machine. 2,623,334, Dec. 30.

Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Resins from carboxyalkyl ethers of polyhydric alcohols. 2,598,174, May 27.

Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluid. 2,614,979, Oct. 21.

Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of naphthene hydroperoxides. 2,618,662, Nov. 18.

Hutchison, Alexander C.: *See*—
Taylor, James, and Hutchison.

Hutchison, Alexander C., and M. Wilson, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Gas escape reaction propulsion device. 2,617,251, Nov. 11.

Hutchison, Clifford N., Stratford, assignor to The Belknap Mfg. Co., Bridgeport, Conn. Making and assembling sand molds. 2,612,668, Oct. 7.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Film transport means for motion-picture projectors. 2,592,285, Apr. 8.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Changeable picture apparatus. 2,618,087, Nov. 18.

Hutchisson, Clarence L., Jr., and E. H. Cropp, Mobile, Ala.; said Cropp assignor to said Hutchisson, Jr. Metallic eave strip. 2,585,324, Feb. 12.

Hutgens, Karel M.: *See*—
Buskes, Willem M., Sanders, Vallen, and Hutgens.

Huth, John H.: *See*—
Silverman, Daniel, Eisler, and Huth.

Huth, Wilbur M., Akron, Ohio. Articulated dancing toy. 2,585,467, Feb. 12.

Huthsing, Charles K., Beverly Hills, Calif. Valve mechanism. Re. 23,610, Dec. 30.

Huthsing, Charles K., Beverly Hills, Calif. Fire extinguisher carrier. 2,606,701, Aug. 12.

Hutsell, Charles H., Seattle, Wash. Saw sharpening device employing a grinding wheel. 2,602,354, July 8.

Hutson, Alton W., Richmond, Calif. Arrow adapter for sling shots. 2,613,659, Oct. 14.

Hutson, Clifford L., Glendale, Calif. Saliva ejector. 2,595,666, May 6.

Hutt, Arthur R., Hopatcong, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Adjustable hose support and feeder. 2,588,842, Mar. 11.

Huttenchemie G. m. b. H., assignee: *See*—
Hemmenberger, Karl H.

Hutton, James A., Cambridge, assignor to Pye Limited, Cambridge, England. Modulating reflex klystrons. 2,617,979, Nov. 11.

Hutton, Philip C., assignor to Silentbloc Limited, London, England. Self-aligning joint or bearing. 2,606,795, Aug. 12.

Hutton, Philip C., assignor to Silentbloc Limited, London, England. Assembling resilient bearings. 2,608,751, Sept. 2.

Hutton, Robert D., Garvey, Calif. Automobile battery circuit breaker. 2,599,637, June 10.

Hutzelman, Howard E., Wilmington, Del. Bowling pin clearing device. 2,583,103, Jan. 22.

Huwood Mining Machinery Limited, assignee: *See*—
Bainbridge, Featherstone.

Huxford, George T., Southington, Conn. Trailer hitch. 2,599,638, June 10.

Huyett, Robert B.: *See*—
Gladfelter, Willie I., and Huyett.

Huyett, Robert B., assignor to Pangborn Corporation, Hagerstown, Md. Blasting machine. 2,584,587, Feb. 5.

Huyett, Robert B., assignor to Pangborn Corporation, Hagerstown, Md. Roll blasting equipment. 2,590,816, Mar. 25.

Huyett, Robert B., and G. W. Powell, assignors to Pangborn Corporation, Hagerstown, Md. Blasting machine. 2,604,734, July 29.

Huyett, Robert B., Hagerstown, Md., and F. Newell, Chicago, Ill., assignors to Pangborn Corporation, Hagerstown, Md. Quick-acting holding block for peening gauge strip employed in shot peening processes. 2,620,838, Dec. 9.

Huyton, Alfred, assignor to Joseph Lucas Limited, Birmingham, England. Combustion chamber for prime movers. 2,611,243, Sept. 23.

Huzel, Dieter K., Fort Bliss, Tex., assignor to the United States of America as represented by the Secretary of the Army. Static pressure investigator. 2,604,786, July 29.

Huzenlaub, Erich G., Chicago, Ill., and F. H. Rogers, Elmhurst, Kenley, England, assignors, by mesne assignments, to Converted Rice, Inc., Houston, Tex. Apparatus for the treatment of grains. 2,598,915, June 3.

Hvam, Hjalmar, Portland, Oreg. Ski binding. 2,586,339, Feb. 19.

Hvid, Rasmus M., Wilmette, assignor to Veed Corp., Chicago, Ill. Dry shaver. 2,592,146, Apr. 8.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Anion-exchange resins. 2,597,491, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange polymers of vinylanisole. 2,597,492, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Anion-exchange polymers of vinylanisole. 2,597,493, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Strongly basic anion-exchange polymers of vinylanisole. 2,597,494, May 20.

Hyatt, Darwin E., Roscoe, Calif. Landing gear and flap control for tethered model airplanes. 2,584,588, Feb. 5.

Hyatt, Samuel W., assignor to The D. L. Auld Company, Columbus, Ohio. Cable tightening and reeling apparatus. 2,586,048, Feb. 19.

Hyde, Alex, Santa Barbara, Calif. Foot conditioning apparatus. 2,594,024, Apr. 22.
Hyde, George G., Darien, Conn., assignor to Sarsal Devices, Inc., New York, N. Y. Force amplifying nut. 2,583,775, Jan. 29.
Hyde, George G., Greenwood Lake, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Metal rectifier bridge. 2,597,000, May 20.
Hyde, James B., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Coating composition containing polyethylene and wax and paper coated therewith. 2,582,037, Jan. 8.
Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Rendering ceramic materials water repellent. 2,582,215, Jan. 15.
Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Preparation of trimethylchlorosilane. 2,615,034, Oct. 21.
Hyde, James F., and W. H. Daudt, Corning, N. Y., assignors to Dow Corning Corporation, Midland, Mich. Polymerization of thermoplastic siloxanes. 2,610,169, Sept. 9.
Hyde, Joseph J., Providence, R. I. Ornamenting device. 2,602,225, July 8.
Hyde, Richard W.: *See*—
Meissner, Herman P., and Hyde.
Hyde, Robert W., Teaneck, N. J., assignor to Clopay Corporation, Cincinnati, Ohio. Window shade roller. 2,586,340, Feb. 19.
Hyde, Robert W., assignor to Clopay Corporation, Cincinnati, Ohio. Window shade cutter. 2,615,516, Oct. 28.
Hydraulic Brake Company, assignee: *See*—
Frick, Harold L.
Hydraulic Equipment Company, assignee: *See*—
Cooke, Conrad H.
Hrdlicka, Edward J., Jr.
Hydraulic Supply Manufacturing Company, assignee: *See*—
Hoffman, Frederick J.
Russell, Ralph S.
Hydraulik A/S, assignee: *See*—
Vestre, Rasmus.
Hydrick, Dempsey J., Columbia, S. C. Toy ground-controlled landing gear. 2,616,214, Nov. 4.
Hydril Corporation, assignee: *See*—
Knox, Granville S.
Hydrocarbon Research, Inc., assignee: *See*—
Arnold, John H.
Benedict, Manson.
Benenati, Robert F., and Buschow.
Buschow, Herman F., and Keith.
Cicalese, Michael J.
Frankenburg, Walter G., and Layng.
Garbo, Paul W.
Jenny, Frank J., and Scheibel.
Kalbach, John C.
Keith, Percival C.
Layng, Edwin T.
Mayhew, Robert L.
Riblett, Earl W.
Sullivan, Frederick W., Jr.
Wagstaff, James B.
Webb, George B.
Hydro-Nitro S. A., assignee: *See*—
Kudelski, Stefan.
Hydropress, Incorporated, assignee: *See*—
Bertrand, Joseph V.
Katz, Francis J.
Hyland, Daniel F., St. Louis, Mo. Packing articles, such as fishing lures, made of flexible sheet material. 2,616,559, Nov. 4.
Hyland, James A., Hoboken, N. J. Louver-window. 2,601,707, July 1.
Hyland, William A., and R. R. Borngraeber, assignors to John Deere Van Brunt Company, Horicon, Wis. Fertilizer distributor. 2,614,850, Oct. 21.
Hyltén-Cavallius, Gösta, Malmo, Sweden. Apparatus for sowing seeds. 2,615,408, Oct. 28.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Hinged boot flap portable elevators. 2,603,345, July 15.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Remote-control release of snapping rolls. 2,618,113, Nov. 18.
Hyman, Charles M., Davenport, Iowa, assignor to International Harvester Company. Adjustable shaft hanger. 2,587,851, Mar. 4.
Hyman, Henry, assignee: *See*—
Grimsley, Leopold C.
Muldoon, Bernard F.
Zwierzynski, Alex.
Hyman, Joseph R., Oakland, Calif. Portable fire screen. 2,598,997, June 3.
Hyman, Julius: *See*—
Lidov, Rex E., Hyman, and Segel.
Segel, Edward, Lidov, and Hyman.
Hyman, Robert W., Ashland, Ky. Rotary planer attachment. 2,618,203, Nov. 18.
Hynes, Dibrell P., Evanston, assignor to Chicago Forging and Manufacturing Company, Chicago, Ill. Fitting. 2,586,950, Feb. 26.
Hynes, Dibrell P., Evanston, assignor to Chicago Forging and Manufacturing Company, Chicago, Ill. Automobile hood latch and remote control. 2,622,907, Dec. 23.
Hyre, Warren, Chattanooga, Tenn. Form for casting concrete walls. 2,618,039, Nov. 18.
Hyresgasternas Sparkasse-och Byggnadeforeningars Riksforbund u. p. a., assignee: *See*—
Holst, Hans E. E.
Kägefors, Oskar I. A.
Norrefeldt, Ernst E. A., and Holst.
Hyser, Charles L., Bronxville, N. Y., assignor to Orajet Corporation, Wilmington, Del. Hose attachment for faucet outlets and the like. 2,593,454, Apr. 22.
Hysing, Erik G.: *See*—
Grusell, Anders E., Sandmark, and Hysing.
Hyson, Archibald M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing trans-3-pentenoic acid. 2,586,341, Feb. 19.
Hyster Company, assignee: *See*—
Barnes, Brown E.
Ehmann, Leslie G.
Lowry, Robert W.
Shoemaker, Robert C.
Hytte, Robert P. L., Lund, assignor to Aktiebolaget Separator, Stockholm, Sweden. Plate heat exchanger. 2,601,974, July 1.
Hytte, Robert P. L., Lund, assignor to Aktiebolaget Separator, Stockholm, Sweden. Plate heat exchanger. 2,610,835, Sept. 16.
Hytte, Robert P. L., Lund, assignor to Aktiebolaget Separator, Stockholm, Sweden. Plate type pasteurizer. 2,623,736, Dec. 30.
Hy-Way Machinery, Incorporated, assignee: *See*—
Miller, William J.
I. D. Watch Case Co. Inc., assignee: *See*—
Dinstman, Hyman.
ILG Electric Ventilating Company, assignee: *See*—
Pfautsch, Raymond V.
INA, Import & Export Company, assignee: *See*—
Rother, Helene A.
I-T-E Circuit Breaker Company, assignee: *See*—
Bohn, Donald I.
Caswell, Arthur S.
Connangia, Amado.
Gardiner, Frank J.
Goessel, Elmer.
Lockett, Ralph G.
Ridgley, Cornelius J.
Schymik, Walter H.
Scott, William M., Jr.
Spencer, Nye S.
Sprengle, William L.
Thumlm, Carl.
Van Glider, Burrows C.
Wood, Joseph D.
Wood, Joseph D., Caswell, and Goessel.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Radio reflector. 2,580,921, Jan. 1.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Dielectric wave guide. 2,595,078, Apr. 29.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. High-frequency dielectric waveguide coupling. 2,617,880, Nov. 11.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Dielectric rod antenna. 2,624,003, Dec. 30.
Iannelli, Frank M., Newark, N. J. Mixing faucet. 2,599,997, June 10.
Iasillo, Casper: *See*—
Gantz, Harry, Schwartz, and Iasillo.
Iavelli, Teno: *See*—
Syrovy, Augustin J., Dunn, and Iavelli.
Ibañez Batiló, Juan, Barcelona, Spain. Shuttle ejection mechanism for looms. 2,615,474, Oct. 28.
Ibanez, Joseph, New York, N. Y. Sewless button or cuff link. 2,613,418, Oct. 14.
Ibec Housing Corporation, assignee: *See*—
Praeger, Emil H.
Icecrafter Trust, assignee: *See*—
Erickson, Gustav F., and McShan.
Ichniowski, Casimir T.: *See*—
Rosen, Harry, and Ichniowski.
Idaho Sprocket and Machine Works, assignee: *See*—
Schrock, Daniel A.
Ide, Howard J., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Safety device. 2,596,928, May 13.
Ideal Industries, Inc., assignee: *See*—
Beck, Roland D.
Robinson, Elvin B., and Costner.
Ideal Machine Shops Inc. assignee: *See*—
Costner, Clarence J.
Ideal Manufacturing Company, assignee: *See*—
Lowry, Jesse R.
Ideas Incorporation, assignee: *See*—
Beal, Carl L.
Stevens, William F.
Idle, James G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dishwashing apparatus having a propeller and a fluid deflecting baffle associated therewith. 2,608,983, Sept. 2.

Iezzi, Alfred, Reading, Pa. Applying wall finishes. 2,618,815, Nov. 25.
Ifland, Frederick C., Blissfield, Mich. Envelope opener. 2,592,699, Apr. 15.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Apparatus for supplying liquid fuel to the combustion chamber of, and controlling the quantity of motive air in, hot-air engines. 2,588,530, Mar. 11.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas, Limited, Birmingham, England. Oil burner nozzle. 2,593,884, Apr. 22.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Fluid-operated means for regulating the supply of liquid fuel from a pump to a prime mover. 2,621,630, Dec. 16.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel control mechanism for internal-combustion prime movers. 2,621,632, Dec. 16.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Hydraulic governor for internal-combustion prime movers. 2,621,913, Dec. 16.
Ifield, Richard J., and E. A. Watson, assignors to Joseph Lucas Limited, Birmingham, England. Liquid-fuel injection means for prime movers. 2,619,915, Dec. 2.
Igelstroem-Oberlin, Inc., assignee: *See*—
Oberlin, Ralph E., Sr.
Igo, Robert K., Pittsburgh, Pa. Weed-free fishhook and lure. 2,618,095, Nov. 18.
Ihrig, Donald G., Evanston, Ill. Battery charging system. 2,621,317, Dec. 9.
Ikeda, Carol K., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Codispersions of polytetrafluoroethylene and hydrous oxides. 2,592,147, Apr. 8.
Ikelheimer, Irwin M., New York, N. Y. Rack for sample cases. 2,581,257, Jan. 1.
Iknayan, Alfred N., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Antiskid tread and manufacture. 2,582,701, Jan. 15.
Iknayan, Alfred N., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Making safety type inner tube. 2,605,200, July 29.
Iknayan, Alfred N., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Making safety type inner tubes. 2,606,135, Aug. 5.
Iler, Ralph K.: *See*—
Alexander, Guy B., and Iler.
Alexander, Guy B., Iler, and Wolter.
Goebel, Max T., and Iler.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing silicic acid sols. 2,588,389, Mar. 11.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wax emulsion polishing composition containing silica. 2,597,871, May 27.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of water-insoluble organic polymers containing colloidal silica. 2,597,872, May 27.
Ilford Limited, assignee: *See*—
Collins, Ronald B., Fry, and Pratt.
Doyle, Frank P., and Kendall.
Edwards, Harry D.
Edwards, Harry D., and Kendall.
Fry, Douglas J., and Kendall.
Harrison, Geoffrey B., and Robinson.
Kendall, John D., and Duffin.
Kendall, John D., and Fry.
Kendall, John D., and Major.
Kendall, John D., and Suggate.
Waller, Cecil, and Dickinson.
Ilini Whipper Co., assignee: *See*—
Higgins, John, and Fiorella.
Illian, Douglas F., Oak Park, Ill., assignor to Hotpoint Inc. Program selector switch. 2,619,557, Nov. 25.
Illing, Dolph R.: *See*—
Gorsky, Reuben L., and Illing.
Illinois Powder Manufacturing Company, assignee: *See*—
Baker, Arthur W.
Illinois Prestcrete Co., assignee: *See*—
Mollendorf, Jean D.
Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S.
Johnson, Malcolm S., and Smith.
Oakley, Gilbert F.
Smith, Edward P.
Smith, Edward P., and Johnson.
Sweger, Theodore J., and Johnson.
Illinois Stamping & Mfg. Co., assignee: *See*—
Palm, George H.
Illinois Testing Laboratories, Inc., assignee: *See*—
De Bruyne, Emil A.
Obermaier, Alfred A.
Illinois Tool Works, assignee: *See*—
Anderson, William C.
Crowther, Edmond C.
McMahon, Harold H.
Nagel, Charles E.
O'Connor, John B.
Poupitch, Ougljesa J.
Soltysik, Edmund J.
Stern, William.
Zamis, Anthony F.
Illinois Watch Case Co., assignee: *See*—
King, David M.
Illinois Water Treatment Co., assignee: *See*—
Reents, August C.
Reents, August C., and Stromquist.
Illium Corporation, The, assignee: *See*—
Jackson, John H., and Simmons.
Illmer, Louis, Cortland, N. Y. Unidirectional wire grinder of the dragged workpiece type and method. 2,612,004, Sept. 30.
Illner, Paul R., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Apparatus for embossing paper. 2,593,149, Apr. 15.
Illner, Paul R., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Embossing calender. 2,611,312, Sept. 23.
Imbert, Roger J.: *See*—
Anxionnaz, René, and Imbert.
Anxionnaz, René, Sédille, and Imbert.
Sédille, Marcel H. L., and Imbert.
Imbert, Roger J., assignor to Societe Rateau (Societe Anonyme), Paris, France. Jet propulsion plant. 2,589,548, Mar. 18.
Imbert, Roger J., assignor to Societe Rateau (Société Anonyme), and R. Anxionnaz, Paris, France, jointly. Reaction jet aircraft propeller with two air circuits. 2,596,406, May 13.
Imbert, Roger J., assignor to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Fluid directing device for reaction jet nozzle. 2,620,623, Dec. 9.
Imbert, Roger J., and M. H. L. Sédille, assignors to Societe Rateau (Societe Anonyme) and R. Anxionnaz, Paris, France. Gas turbine motor of reduced dimensions. 2,601,612, June 24.
Imbert, Roger J., and R. Anxionnaz, assignors to Societe Rateau (Societe Anonyme), Paris, France. Auxiliary thrust means for jet-propelled aircraft. 2,610,465, Sept. 16.
Imelmann, Henry L., assignor to Fastener Corporation, Chicago, Ill. Stapler. 2,599,998, June 10.
Imhof, Charles, Zurich, Switzerland, assignor to W. J. Currie, New York, N. Y. Releasably and adjustably connecting a rotatable pivot to a stationary pivot. 2,618,452, Nov. 18.
Imhof, Herman A., Beverly, Mass, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of shoes. 2,589,392, Mar. 18.
Imhof, Herman A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and machine for inserting blind fastenings. 2,618,400, Nov. 18.
Imhoff, Donald H., and C. H. O. Berg, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,590,322, Mar. 25.
Imhoff, Robert E., assignor to Detroit Brass & Malleable Works, Detroit, Mich. Valve cap construction. 2,614,794, Oct. 21.
Imler, Donald T., Gettysburg, Pa., assignor to The Glenn L. Martin Company, Middle River, Md. Thermocouple bridge. 2,591,358, Apr. 1.
Imm, Lewis W.: *See*—
Opocensky, Willard J., and Imm.
Immel, Ralph B., Williamsville, and L. Pierce, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric switch with permanent-magnet blowout field. 2,611,059, Sept. 16.
Immermann, Milton: *See*—
Teague, Walter D., Peltz, and Immermann.
Imparato, Jack G., Brooklyn, N. Y. Drum ring clamp. 2,615,219, Oct. 28.
Imparato, Jack G., Brooklyn, N. N. Drum clamp device. 2,615,220, Oct. 28.
Imperial Brass Manufacturing Company, The, assignee: *See*—
Dobrick, August C.
Franck, George E.
Franck, George E., and Zales.
Imperial Chemical Industries Limited, assignee: *See*—
Adams, Dennis A. W., and Fawthrop.
Ainley, Arthur D., Birtwell, and Curd.
Ainley, Arthur D., and Curd.
Allan, Morag L.
Armitage, Norman A., and Henderson.
Atkins, Peter J., and Peel.
Barton, Norman, Birtwell, and Curd.
Belshaw, Philip L., Howard, and Irving.
Bennett, Alfred, Prince, and Edwards.
Burgess, Arthur R.
Burrage, Leslie J.
Butchart, Alexander.
Butchart, Alexander, and Whetstone.

Imperial Chemical Industries Limited, assignee: *See*—Con.
Carter, Ronald J., and Bristow.
Chadderton, Tom, and Thornton.
Clark, George H., Rose, and Parry.
Coffey, David H., Edgar, Mayrick and Watts.
Coffey, Samuel, Fairweather, and Slinger.
Cook, John H.
Crawford, Frederick A. F.
Curd, Francis H. S.
Davies, Phineas, Reynolds, Coats, and Taylor.
Dixon, Olaf G.
Edge, Herbert A.
Gillies, John, and Cunningham.
Gillies, John, and Rowe.
Hall, John D'A. H., Ridge, and Whinfield.
Hepworth, Walter.
Hepworth, Walter, and Curd.
Himsworth, Francis R., and Hughes.
Hoggarth, Eric.
Howell, William N., and Hill.
Hutchison, Alexander C., and Wilson.
Jackson, Harry, and Jones.
Jones, David G., and Cowle.
Jones, William O.
Levy, Norman.
Lewis, Idwal O., and Owens.
Lipscomb, Robert.
Little, Andrew H.
Lowe, Arthur J.
Mackay, John D. M., and Clark.
Maclennan, William H., Clark, and Lowrie.
Martyn, Roger W.
Mawer, Frank C.
Melklejohn, George T.
Morley, Ronald J., and Weston.
Morris, George.
Nield, Arnold.
Pearce, Stephen F.
Peel, John B., and Scrimshaw.
Pollok, Frederick J.
Reynolds, Peter W., and Robinson.
Ridge, Bertram P.
Rigby, Charles H.
Rigby, Charles H., and MacInnes.
Seed, Leslie.
Simpson, George K., and Brooks.
Simpson, George K., and Traill.
Stacey, Gilbert J., Thompson, Vasey, and Curd.
Stewart, Ian F.
Taylor, Arthur W. C.
Taylor, Arthur W. C., and Ackroyd.
Taylor, James, and Hutchison.
Taylor, James, and Whetstone.
Vasey, Charles H.
Ward, Terence, and Williams.
Wark, Robert.
Whetstone, John.
Whittaker, Donald, and Allen.
Williams, James H., and Ward.
Wilson, Robert H.
Wright, Harold R., and Martyn.
Zenftman, Henryk, and Forlin.

Imperial Optical Company, Ltd., assignee: *See*—
Butler, Albert.

Imperial Paper and Color Corporation, assignee: *See*—
Jones, George F.
Van Wirt, Alfred E., and Jones.

Imperial Pen & Pencil Co., Inc., assignee: *See*—
Aimes, Francis M.

Imset, Otto, assignee: *See*—
Stephansen, Erik.

Imshaug, Arnold L., assignor to Alico, Inc., West Springfield, Mass. Inking roller removal truck for newspaper printing presses. 2,585,325, Feb. 12.

Imshaug, Arnold L., assignor to Alico, Inc., West Springfield, Mass. Attachment for newspaper press inking roller shafts. 2,602,711, July 8.

Imshaug, Arnold L., assignor to Alico, Inc., West Springfield, Mass. Roll web indicating mechanism for newspaper printing presses. 2,606,238, Aug. 5.

Inch, Arthur E., Phoenix, Ariz. Can opener. 2,616,166, Nov. 4.

Independent Engineering Company, Inc., assignee: *See*—
Cartier, Lionel R.

Independent Lock Company, assignee: *See*—
Currier, Arthur L.

Independent Pneumatic Tool Co., assignee: *See*—
Gillerstrom, Hilmer A.

Independent Pneumatic Tool Company, assignee: *See*—
Gillerstrom, Hilmer.
Gillerstrom, Hilmer A.
Larson, Gilbert B., and Kaman.
Larson, Gilbert B., and Perham.
Mitchell, Walter G.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,581,106, Jan. 1.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,610,451, Sept. 16.

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,618,911, Nov. 25.

Indian Sales Corporation, assignee: *See*—
Bergsma, Clarence J.

Indiana Brass Co., Inc., The, assignee: *See*—
Beem, John A.

Indiana Farm Bureau Cooperative Association, Inc., assignee: *See*—
Poland, Charles O.

Indiana Steel Products Company, The, assignee: *See*—
Howell, Hugh A.
McMaster, Robert C.
Smith, Philip A., and Hopps.

Indium Corporation of America, The, assignee: *See*—
Murray, William S., and Ludwick.

Industria Osakeyhtio, assignee: *See*—
Kjaer, Viggo.

Industrial Brownholst Corporation, assignee: *See*—
Taylor, Ernest W.

Industrial Clutch Corporation, assignee: *See*—
Enson, Clarence M.

Industrial and Commercial Detergents Limited, assignee: *See*—
Resuggan, John C. L.

Industrial Developments Limited, Singapore, assignee: *See*—
Smith, William J.

Industrial Devices Corporation, assignee: *See*—
Landergren, Sture G. G.

Industrial Dryer Corporation, The, assignee: *See*—
Foulder, Henry B., and Millspaugh.

Industrial Equipment Co., assignee: *See*—
Pearson, Carl F.

Industrial Equipment & Supply Co., assignee: *See*—
Littman, Daniel.

Industrial Gravure Company, assignee: *See*—
Lear, Floyd R., Sr.

Industrial Ideas, Inc., assignee: *See*—
Galliano, John B., and Grigg.

Industrial Machinery Company Limited, assignee: *See*—
Polkcansky, Hyman.

Industrial Metal Abrasive Company, assignee: *See*—
Schneidewind, Richard.

Industrial Metal Protectives, Inc., assignee: *See*—
Kenis, Ivan.

Industrial Patent Corporation, assignee: *See*—
Corey, Lorin A.
Eldman, Albert W.
McLellan, Kenneth M., and Stanley.
Rodgers, Marcus D.
Wales, Nathaniel B.

Industrial Rayon Corporation, assignee: *See*—
Bruson, Herman A.
Bruson, Herman A., and Riener.
Johnson, James E.
MacLaurin, Robert D., and Israel.
Mayner, Thomas S.
McDermott, Michael C.
McLellan, Kenneth M.

Industrial Research, Inc., assignee: *See*—
Paxton, Dewey M.

Industrial Research Institute of the University of Chattanooga, assignee: *See*—
Coulliette, James H.

Industrial Tape Corporation, assignee: *See*—
Bemmels, Cyrus W.
Engel, Edward W., Giolito, McGarry, Morris, and Weidner.
Morris, Vlon N., Weidner, and Eger.

Industrial Washing Machine Corporation, assignee: *See*—
Sadwith, Howard M.

Industrie-en Handelmaatschappij "De Vuursiag" C. V., assignee: *See*—
Neutelings, Willem.

Industriewerke Karlsruhe Aktiengesellschaft, assignee: *See*—
Kirschbaum, Emil.

Inflico Incorporated, assignee: *See*—
Adelson, Samuel L.
Green, Walter H.
Green, Walter H., and Kallnske.
Gunz, Johanna.
Hauber, Carl, and Koupal.
Hughes, Walter J.
Kahn, James M.
Kallnske, Anton A.
Koupal, Robert J.

Infra Roast, Inc., assignee: *See*—
King, Louis A.

Ing. C. Olivetti & C. S. p. A., assignee: *See*—
Lanza, Guglielmo.

Ing. C. Olivetti & C. Societa per Azioni, assignee: *See*—
Capellaro, Natale.

Ing. Silvio Immovilli, assignee: *See*—
Radice, Ambrogio.

Ingalls, Arthur H., Nairobi, Kenya Colony, assignor to The Sharples Corporation, Philadelphia, Pa. Juice and oil extraction machine. 2,617,354, Nov. 11.

Ingalls, Clyde E., Canisteo, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for measuring the phase shift between the input and output voltages of a circuit under test. 2,595,263, May 6.

Ingalls Shipbuilding Corporation, The, assignee: *See*—
Guynn, Charles A.

Ingalls Stone Company, assignee: *See*—
Berelt, Edwin W.

Ingels, James J., Chicago, Ill. Multiple rolling mechanism. 2,588,120, Mar. 4.

Ingelsrud, Arne H., Oslo, Norway, assignor to Elektrokemisk A/S. Closed electric furnace. 2,592,517, Apr. 8.

Ingenlorsbyran Fredca Aktieboiag, assignee: *See*—
Carlsson, Fredrik, and Eklund.

Ingenlorsfirman Adolph von Bromssen A. B., assignee: *See*—
Von Brömssen, Adolph.

Ingenjorsfirman H. F. Rost & Soner, assignee: *See*—
Blomqvist, Sven G. F.

Ingersoll Milling Machine Company, The, assignee: *See*—
Bowen, Earl M., and Johnson.
Guttmann, Eric S.
Kaiser, Karl B.

Ingersoll-Rand Company, assignee: *See*—
Allen, Roy O.
Anderson, James H.
Cowles, Ellsworth C.
Dick, George M.
Dickenson, Ernest H.
Ditson, J. D.
Farnell, George.
Garbaccio, Albert.
Hornschuch, Hanns.
Kidney, Carleton B.
Maclay, William R.
Metzgar, Chester W.
Miller, Frank.
Morrison, William A.
Naab, Julius.
Plummer, John F., Jr.
Reynolds, Harold C.
Shepherd, Benjamin F.
Slater, Fred M.
Worster, Arthur R.
Yerger, Paul A.

Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Blank holder cushion. 2,581,663, Jan. 8.

Ingersoll, Royal B.: *See*—
Harris, Theodore W., and Ingersoll.

Ingerson, William E.: *See*—
Bomberger, David C., Ingerson, and Och.

Ingham, Robert E.: *See*—
Sharp, Joseph G., and Ingham.
Walker, Daniel N., and Ingham.

Ingham, Robert J., Jr., Fairfield, and S. Kahn, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Beverage testing apparatus. 2,603,086, July 15.

Inghram, Mark G., Chicago, Ill., and B. M. Rustad, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ion intensity control mechanism for mass spectrometers. 2,602,898, July 8.

Ingle, Donald P., Defiance, and S. L. Reiches, Cleveland, assignors to All Star Products, Inc., Defiance, Ohio. Ion trap of uniform flux density. 2,598,916, June 3.

Ingle, James D., and R. T. Stahl, assignors to Swift & Company, Chicago, Ill. Lactalbumin purification. 2,607,766, Aug. 19.

Inglis, Alfred H., Upper Montclair, and L. E. Krebs, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Party line station signaling system. 2,604,545, July 22.

Inglis, Alfred H.: *See*—
Botsford, Nelson, Boysen, Aikens, Dietze, Goodale, and Inglis.

Ingraham, E., Company, The, assignee: *See*—
Burghoff, Louis R.

Ingraham, Robert P., San Antonio, Tex. Finger tip moistener. 2,621,356, Dec. 16.

Ingraham, Robert P., San Antonio, Tex., J. W. Phillips, Chicago, and S. E. Ganis, Evanston, Ill., assignors, by mesne assignments, of two-thirds to said R. P. Ingraham. Tree felling device. 2,612,194, Sept. 30.

Ingram, Alvin R., Glenshaw, and J. J. Eberl, Chester, Pa., assignors to Johnson & Johnson. Making plaster of Paris product. 2,605,191, July 29.

Ingram, Elizabeth A., Cincinnati, Ohio. Woman's handbag. 2,622,648, Dec. 23.

Ingram, Frederick B., Moline, Ill. Picture viewing device. 2,583,510, Jan. 22.

Ingram, George M., Grosse Pointe, Mich. Sandpaper holder. 2,585,655, Feb. 12.

Ingram, Herbert M., Middletown, Ohio. Refrigerator construction. 2,598,917, June 3.

Ingram, John F., Ojai, Calif. Shingle gauge attachment for roofer's hatchet. 2,596,558, May 13.

Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Condensing a 4-amino polyaryl methane and acetone. 2,610,172, Sept. 9.

Ingram, Martell D., Wichita Falls, Tex. Stove for burning either liquid or gaseous fuel. 2,610,621, Sept. 16.

Ingram, Sara A., executrix: *See*—
Aukerman, Nathaniel B.

Ingre, Rudolf W.: *See*—
Jörgensen, Anders O., and Ingre.

Ingres, Jeannot G., and E. G. Hill, Richmond, Va. Tractor-trailer brake system. 2,581,107, Jan. 1.

Ingve, Bror G. V., Abrahamsberg, assignor to A B Svenska Flaktfabriken, Stockholm, Sweden. Arrangement for cooling of porous fiber boards. 2,618,807, Nov. 25.

Ingwer, Carl H., and C. E. Wright, Elyria, Ohio. Threading die. 2,584,463, Feb. 5.

Ingwer, Carl H., assignor to The Ridge Tool Company, Elyria, Ohio. Threading die. 2,600,776, June 17.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Circuit breaker with ambient temperature and shock compensation. 2,587,162, Feb. 26.

Inhoffen, Hans H., and H. Pommer, Braunschweig, Germany. Compounds with the carbon skeleton of beta-carotene and the manufacture thereof. 2,609,396, Sept. 2.

Injection Molding Company, assignee: *See*—
Archer, William K.

Inland Container Corporation, assignee: *See*—
Ferguson, Kenneth C.

Inland Manufacturing Company, assignee: *See*—
Langfeld, Daniel, Leckey, Olson, and Webb.
Webb, Earle G.

Inland Wallpaper Company, assignee: *See*—
Mikkelsen, Adolph E.

Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Cellular cushioned container. 2,591,548, Apr. 1.

Innerfield, Sydney M., Brooklyn, N. Y. Multicolor press. 2,591,941, Apr. 8.

Inner-Tite Clamp Corporation, assignee: *See*—
Hudson, Franklin.

Innes, Walter P., Jr., assignee: *See*—
Bidwell, Earl E.

Innes, Willard J.: *See*—
Beck, Henry E., Jozwik, and Innes.

Innovations, Inc., assignee: *See*—
Boadway, Odber E.

Inpyn, Anthony, Bronx, N. Y. Folding leg support for furniture. 2,606,802, Aug. 12.

Insinger, Thomas H., Jr., assignor to Koppers Company, Inc., Pittsburgh, Pa. Vinyl ethers. 2,615,050, Oct. 21.

Inskeep, Leo A., Cadiz, Ohio. Dipper handle. 2,610,754, Sept. 16.

Insl-X Corporation, assignee: *See*—
Hecht, Maynard L., and Sanford.

Inspiration Consolidated Copper Company, assignee: *See*—
Zimmerman, Charles E.

Inspiration Mining & Development Company Limited, assignee: *See*—
Pilon, Joseph L., and Beaulier.

Instant Milk Cooling Company, Inc., assignee: *See*—
Lundvall, Elmer E., Becker and Eckstein.

Institute for Better Living, Inc., assignee: *See*—
Zimmermann, H. Paul.

Institute of Inventive Research, assignee: *See*—
Poulter, Thomas C.
Swearingen, Judson S.

Institute of Textile Technology, assignee: *See*—
Couper, Monroe.

Institution Catholique des Sourds-Muets Pour la Province de Quebec, assignee: *See*—
Fortin, Charles A.

Institutum Divi Thomae Foundation, assignee: *See*—
Smith, Harold F.
Stirnkorb, John R.

Institutum Divi Thomae Foundation, The, assignee, *See*—
Embshoff, George F., and Sperti.
Sperti, George.

Instrument Development Laboratories, Inc., assignee: *See*—
Bentley, George P., and House.

Insul, Jack, Chicago, Ill. Warning signal. 2,617,381, Nov. 11.

Insul-Wool Machinery Manufacturing Co., assignee: *See*—
Hoppes, Lloyd G.

Insurograph, Incorporated, assignee: *See*—
Harper, William W., and Gilbert.

Interborough News Company, assignee: *See*—
Booth, George P., and Smith.

Interchemical Corporation, assignee: *See*—
Burrell, Harry, and Clark.
Dolton, Dorothy M., and Smith.
Koberlein, Louis F., and Poitersdorf.
Kumins, Charles A.
Kumins, Charles A., and Greening.
Le Clair, Willis E.
Le Clair, Willis E., and De Lia.
Lee, Ernest D., and Scheibauer.
Linkletter, Olive-Sue.
Nichols, Joseph, and De Marchi.
Radi, Lino J.
Rose, Harry E.
Rowland, Charles W., and Chenicek.
Tyler, John E.
Weber, Ira.

Inter-Collegiate Press, assignee: *See*—
Bender, John M.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Applegate, Lindsay M.
Bardill, John D.
Blackburn, Willfred C.
Buchan, Frederick E.
Buehl, Russell C.
Crowell, Joyce H., and Benson.
Culling, Merritt A.
Eilerts, Charles K.
Feldman, Julian, and Orchin.
Fraas, Foster.
Frost, Ellis M., Jr.
Glantz, Omar J., and Oborn.
Golumbic, Calvin, and Orchin.
Harrison, Lawrence H.
King, Howard L.
Lankford, Jonathan D., Trotter, and Taylor.
Lloyd, Rex R., and Rawles.
Mullins, Paul V.
Newman, Louis L., and Schroeder.
Norris, Stanley E.
Rhoades, Earle D.
Shaw, John M., Bartley, and Rosenfels.
Smith, James R., and Dinneen.
Staten, Fred W.
Steen, Kenneth R.
Storch, Henry H., and Pelipetz.
Stringfield, Theodore W.
Taliaferro, David B., McClung, and Mueller.
Wartman, Frank S.
Wender, Irving, and Orchin.
Wyman, Wallace F., and Back.
Zadra, John B.

International Alloys Limited, assignee: *See*—
Gross, Philipp.

International Bitumen Emulsions Limited, assignee: *See*—
Bradshaw, Leonard C.

International Business Machines Corporation, assignee: *See*—
Bergfors, Carl A.
Blodgett, Edwin O.
Brand, Samuel, and Adams.
Bryce, James W.
Bryce, James W., and Blakely.
Bryce, James W., and Dickinson.
Carroll, Fred M., and Gurley.
Carroll, Fred M., and Smith.
Clark, Lloyd K.
Constance, Jack J.
Crowell, Arnold B.
Cunningham, James M.
Dayger, Jonas E., Shafer, Wooding, Sarley, and Williams.
Dickie, Oscar H.
Dickinson, Arthur H.
Dickinson, Arthur H., Phelps, and Bergfors.
Dilling, Marion R.
Dodge, Ronald D.
Doty, Charles R., Klotz, and Koranye.
Earl, Howard D.
Eichorn, Robert N.
Furman, Frank J.
Furman, Frank J., Read, and Klatner.
Gardinor, Elliott W., Cheney, and Bleuer.
Geiger, Edward F.
Ghertman, Iolno, and Febvre.
Gillett, Lewis L.
Gross, Leonard, and Bailey.
Hamilton, Francis E., Seeber, and Prentice.
Harper, Leonard R.
Holmwood, Richard H., and Hauck.
Hood, James D.
Johnson, Reynold B.
Johnson, Reynold B., Hendrich, and Malmros.
Johnson, Reynold B., Jurgens, and Moneagle.
Keen, Albert J.
Keen, Harold H.
Koon, Kenneth.
Kress, George H., and Kapfer.
Lake, Clair D., Aiken, Hamilton, and Durfee.
Lake, Clair D., and Durfee.
Lake, Clair D., Hamilton, and Durfee.
Last, James.
Luhn, Hans P.
Luhn, Hans P., Ambrosio, and Dean.
Mills, Albert W., Furman, and Rabenda.
Mutter, Walter E.
Page, Ralph E., and Dodge.
Parker, Linus J.
Phelps, Byron E.
Phelps, Byron E., and Hood.
Phelps, Byron E., and Mitchell.
Rabenda, Edward J.
Rabenda, Edward J., Page, and Beattie.
Roth, Robert I.
Rowley, Russell A.
Ryffel, Albert, and Rehsteiner.
Samain, Jacques.
Samuel, Arthur L.
Sill, John E.
Smathers, James F.
Steinberg, Richard K.

International Business Machines Corporation, assignee: *See*—Continued.
Stewart, Richard A., and Barber.
Taylor, Alton P.
Wagner, John L., and Holmwood.
Watson, Jeannette K.
Whiting, Bradford C.
Wilkerson, Victor O.
Wood, Marion L.
Woods-Hill, William, and Davis.

International Carbon-Black Corporation Ltd., assignee: *See*—
Fross, Arthur E.

International Carbonic Engineering Company, assignee: *See*—
Jones, Charles L.

International Cellucotton Products Company, assignee: *See*—
Collins, Howard A., and Ruth.
Fourness, Charles A.
Kellett, William R., and Veler.
Klock, George E.
Milcent, Robert.
Nelson, Howard.
Pitton, Eva V.
Rickard, Charlotte I., and Harwood.

International Cigar Machinery Company, assignee: *See*—
Clausen, Sigurd.
Durning, James P.
Ferenci, Lester.
Gustavson, Sterling T.
Halstead, John F.
Neumair, Joseph A.
Peterson, Pontus.
Sartoretto, Paul A., and Carter.

International Clay Machinery Co., assignee: *See*—
McElroy, Roy H.

International Construction Corporation Limited, assignee: *See*—
Skinner, Henry J. P.

International Derrick & Equipment Company, assignee: *See*—
Athy, Clifford R., and Konkle.
Bennett, John D.
Mills, Kenneth N.

International Electrolytic Plant Company Limited, The, assignee: *See*—
Wood, William, and Bowen.

International Electronics Company, The, assignee: *See*—
Bobb, Lloyd J.
Pond, Chester C.
Roberts, Bruce.

International Engineering General Research & Licensing Company, assignee: *See*—
Dobrosavljevic, Stojimir.

International Furniture Company, assignee: *See*—
Havel, Frank J.

International Handkerchief Manufacturing Company, The, assignee: *See*—
Anderson, Gustave A., and Kane.

International Hardware Manufacturing Company, assignee: *See*—
Brownie, Rex S.

International Harvester Company, assignee: *See*—
Aasland, John L.
Avila, Frank W.
Bechman, William O.
Bechman, William O., and Richardson.
Bellingher, Fred.
Blaydes, Frederick T., and Bauman.
Borgerd, William F.
Borgerd, William F., and Calling.
Bornzin, James H.
Calling, John.
Christie, Reginald A.
Coon, Allyn J., and Gruel.
Daily, Sherwood, Lathrop, and Hints.
Dewey, Frederick L.
Dierbeck, John J.
Downing, Rexford D., and Evers.
Drummond, William D.
Dubain, Ernest.
Dyrr, Jacob V.
Edwards, Arthur R.
Gerber, Edward R.
Hans, Clarence C.
Haas, Clarence C., and Behnen.
Hagen, Clarence R., and Kallgren.
Hand, Frederick E., and Graham.
Harris, Charles D.
Harstick, William H
Harstick, William H., and Hein.
Harstick, William H., and Hintz.
Henning, William W.
Hilbiom, Samuel E.
Hinkel, Lester H.
Hintz, Otto E., and Heckendorf.
Hipple, James L.
Hitchcock, Rex B., and Raney.
Hodsdon, Floyd G.
Hyman, Benjamin M.
Hyman, Charles M.
James, Howell N.

International Harvester Company, assignee: *See*—Con.
Jedrzykowski, Edmund.
Johnson, Samuel G.
Karlsson, Elof K.
Kaupke, Lee H.
Keller, Arthur H.
Kincaid, Homer F., Graham, and Redmond.
Kolzing, Heinz.
Kriegbaum, George M.
Layton, Joseph E.
Mahaffay, William E.
Marshall, James R.
McNamara, Gordon G., Jr.
McNeill, James K.
Milliard, Lee P.
Miller, Delbert M.
Morkoski, James.
Morris, David M.
Mott, Carl W.
O'Neil, Gordon R.
Orelind, John R.
Orelind, John R., and Mott.
Ornedorff, John W.
Palmer, John S.
Peterson, Raymond E.
Pool, Stuart D.
Rafferty, Clarence J.
Reynolds, Delos J.
Schreiber, Paul F.
Selzer, John.
Sonneman, Paul R.
Sulcek, Charles E.
Toland, Wayne G.
Turnbull, Glen O.

International Harvester Company of Canada, Limited, assignee: *See*—
Higgison, John.

International Hormones, Inc., assignee: *See*—
Fleischhacker, Desider, and Barsel.

International Machine & Tool Works, Inc., assignee: *See*—
Nilson, Olaf G.

International Minerals & Chemical Corporation, assignee: *See*—
Blish, Morris J.
Dancy, William B.
Hill, Hardin F.
Jackson, Richard I.
Le Baron, Ira M.
Le Baron, Ira M., McClintock, and Lawver.
Tidwell, Calvin M.
Tong, Jerry E., and McBiles.
Vassel, Bruno.
Vassel, Bruno, and Janssens.

International Nickel Company, Inc., The, assignee: *See*—
Cook, Wilfred J., and Tuck.
Kirkpatrick, William J.
Knapp, Burton B., and Carr.
Millis, Keith D., Gagnebin, and Pilling.
Renzoni, Louis S.
Waddington, Ralph H., and Geigel.

International Nickel Company of Canada, Limited, The, assignee: *See*—
Cartier, William O., McLaughlin, Robinson, and Wise.

International Paper Box Machine Company, The, assignee: *See*—
Labombarde, Harold S.

International Paper Company, assignee: *See*—
Williamson, Oscar H.

International Projector Corporation, assignee: *See*—
Borgerg, Willy.
Heidegger, Henry, and Borberg.
Heidegger, Henry F.

International Register Company, assignee: *See*—
Gallagher, William P.
Gallagher, William P., Stolle, and Schroeder.
Gallagher, William P., and Weber.

International Resistance Company, assignee: *See*—
Knowles, William H., Jr., and Pegram.

International Salt Company, assignee: *See*—
Brooks, Philip.
Tuck, George A.

International Salt Company, Inc., assignee: *See*—
Eichstaedt, Alvin W.

International Shoe Company, assignee: *See*—
Britton, Glenn B.
Foley, John W.

International Silver Company, The, assignee: *See*—
Egeberg, Birger, Orr, and Phaneuf.

International Standard Electric Corporation, assignee: *See*—
Algrain, Pierre R.
Allison, John L.
Altovsky, Vladimir A., and Goudet.
Arditi, Maurice.
Arditi, Maurice, and Urban.
Bailey, Robert S.
Bailey, Robert S., and Silver.
Ressonnet, Auguste J., and Borel.
Borel, Pierre C., Escande, and Mauge.
Brandt, Walter, and Brundage.
Brusau, Marie.
Burroughs, Gordon S.

International Standard Electric Corporation, assignee: *See*—Continued.
Busignies, Henri G.
Cabes, Lucien A. B.
Casabona, Anthony, and Stavis.
Clark, Gilbert R.
Clavier, André G.
Cragg, William D., and Gayford.
Deakin, Gerald.
Deloraine, Edmond M., and Reeves.
Den Hertog, Martinus.
Den Hertog, Martinus, and Adelaar.
Den Hertog, Martinus, and Berden.
Den Hertog, Martinus, and Kruithof.
De Raedt, Egide J. H.
Earp, Charles W.
Earp, Charles W., and Strong.
Everett, Kenneth E.
Field, Lester M.
Foulkes, Christopher H.
Fremlin, John H., and Foster.
Fremlin, John H., and Hall.
French, Heyward A., and Staschover.
Frum, Alexander.
Gohorel, Fernand P., and Penet.
Goodchild, Frank D.
Gray, Frank.
Gray, Richard E.
Hardy, René J.
Hartley, George C., Reynolds, and Haigh.
Hatton, William.
Heaton-Armstrong, Louis J.
Hollabaugh, Max G.
Hough, George H.
Jacobsen, Bent B.
Jacobsen, Bent B., and Mitchell.
Juillard, Yves J. G.
Kandolan, Armig G.
Kruithof, Jakob, and Kozma.
Labin, Emile.
Lalande, Marc A.
Lehmann, Gerard.
Lens, Georges X.
Lesti, Arnold.
Mamor, Armand.
McWhirter, Eric M. S., and Dunn.
McWhirter, Eric M. S., and Warden.
Meers, Richard A.
Moody, Norman F., and McCallum.
Parker, Louis W.
Phinney, Edward D., and Reeves.
Pickles, Sidney B., and Watts.
Pouliart, Willy.
Prior, Hector T., and Fisher.
Reeves, Alec H.
Reinhard, Wolfgang.
Ridler, Desmond S., and Weir.
Roberton, James S. P.
Roche, Alleman H.
Roche, Alleman H., and Roe.
Rostas, Ernest.
Schreiber, Louis J. J.
Scully, Charles T.
Secker, Ben.
Skelton, Dennis E.
Smyth, Charles N.
Spangenberg, Karl R.
Taylor, Frank H.
Terry, Victor J., Hargreaves, and Prior.
Theiliaumas, Clement M.
Touraton, Emile, and Dumousseau.
Touraton, Emile, and Zwobads.
Tournier, Marcel.
Treadwell, Cyril G.
Vangeen, Abraham J.
Van Mierlo, Stanislas.
Villemagne, Jean M.
Von Hanteville, Hans T.
Watts, Chester B., Jr.
Weston, William K.
White, Charles D.
Wigan, Edmund R.
Williams, Owen G.
Willoughby, Eric O.
Wolfson, Henry, and Thomson.
Wright, Esmond P. G.
Wright, Esmond P. G., and den Hertog.
Wright, Esmond P. G., and Reynolds.

International Steel Wool Corporation, assignee: *See*—
Fisher, John R., Jr.

Interwoven Stocking Company, assignee: *See*—
Hinchman, Jane K.

International Tag & Salesbook Company, assignee: *See*—
Shennan, Alexander G.

International Ytong-Stabalite Company Ltd., assignee: *See*—
Jakobsson, Per, and Sebardt.

Internationella Siporex Aktiebolaget, assignee: *See*—
Simonsson, Hans L., and Ulfstedt.
Simonsson, Lennart H., and Ulfstedt.

Interstate Latex Company, assignee: *See*—
Sourbeck, Randall M.

Inventa A.-G. für Forschung und Patentverwertung Lusern, assignee: *See—*
Kuhr, Kurt.

Iny, Daisy, New York, N. Y. Bell with attaching means. 2,612,135, Sept. 30.

Ionia Manufacturing Company, assignee: *See—*
Morse, Glenn B.

Ionics, Inc., assignee: *See—*
Hicks, William W.

Ionics, Incorporated, assignee: *See—*
Juda, Walter.
Juda, Walter, and Carron.

Iovinelli, Edward, Providence, R. I. Carpet cutting tool. 2,607,115, Aug. 19.

Iowa State College Research Foundation, assignee: *See—*
Sweeney, Orland R., Brown, and Arnold.

Iowa State College Research Foundation, Inc., assignee: *See—*
Boast, Warren B., and Ryder.
Pingge, Homer H.

Ipatieff, Vladimir N.: *See—*
Pines, Herman, and Ipatieff.
Pines, Herman, Kvetinskas, and Ipatieff.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic hydrogenation of aromatic hydrocarbons in a stainless steel reactor. 2,586,535, Feb. 19.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of arylindanes. 2,587,577, Mar. 4.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of di (cycloalkyl) alkanes. 2,622,110, Dec. 16.

Ippolito, Domenick, Glendale, Calif. Horizontal axis movable eyeset. 2,618,100, Nov. 18.

Ippolito, Domenick, Glendale, Calif. Doll stand. 2,622,835, Dec. 23.

Ipsen, David C., Schenectady, and C. D. Fulton, Scotia, N. Y., assignors to General Electric Company. Liquid spray nozzle. 2,603,535, July 15.

Ipsen, Harold N., Rockford, Ill. Heat-treating furnace. 2,615,701, Oct. 28.

Ipsen, Victor M., Temple City, Calif. Chicken coop. 2,612,862, Oct. 7.

Ipsophon Patentgesellschaft A.-G., assignee: *See—*
Handschin, Max.

Irby, James W., Dayton, and W. Johannesburg, Cleveland Heights, Ohio, assignors to the United States of America as represented by the Secretary of War. Spring shock and vibration isolator. 2,581,416, Jan. 8.

Iredell, Robert, assignor to The General Tire and Rubber Company, Akron, Ohio. Pneumatic tire building drum. 2,614,951, Oct. 21.

Ireland, John C.: *See—*
Bellairs, Guy F., and Ireland.

Ireland, Murray: *See—*
Gomersall, John R., and Ireland.
Hendrickson, Fritz E.

Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Construction for electric heaters for flexing bars. 2,589,614, Mar. 18.

Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Toaster crumb tray latch. 2,596,243, May 13.

Ireton, Carl A., assignor to The Specialty Papers Company, Dayton, Ohio. Method and apparatus for setting moisture-setting printing inks. 2,613,603, Oct. 14.

Iron Fireman Manufacturing Company, assignee: *See—*
Cunningham, Lewis L., and Judson.
Fritz, Wilfred J. J.
Judson, Albert L.
Rosebraugh, Walter A.
Sprague, Chester E., and Judson.
Webb, Ernest.
Webb, Ernest C.
Wright, Richard C.

Iron John, Inc., assignee: *See—*
Deskin, Roy, and Savitz.

Irrigation Equipment Co., Inc., assignee: *See—*
Beymer, Oren O.

Irtenkauf, Josef: *See—*
Uhink, Friedrich, Lautenbach, Irtenkauf, Frickenacher, and Haller.

Irvan, Karl W., assignor to Orchard Industries, Inc., Detroit, Mich. Plastic molded box. 2,606,708, Aug. 12.

Irvin, Elmer W.: *See—*
Ringler, Ford D., and Irvin.

Irvin, Leslie L., assignor to Irving Air Chute Co., Inc., Buffalo, N. Y. Parachute pack and harness construction. 2,589,086, Mar. 11.

Irvine, Elsie A., Philadelphia, Pa. Traveling equipment for babies. 2,601,885, July 1.

Irvine, Jan S., Pelham, assignor to Plastic Sheet Fabrication, Inc., New York, N. Y. Insulated container. 2,610,757, Sept. 16.

Irvine, Warren L.: *See—*
Daves, Bruner R., and Irvine.

Irving Air Chute Co., Inc., assignee: *See—*
Irvin, Leslie L.

Irving, Albert J., Brewster, assignor to Permark Company, Inc., New York, N. Y. Measuring line. 2,602,233, July 8.

Irving, Arthur E., East Rochester, N. Y. Liquid level controller. 2,605,782, Aug. 5.

Irving, Bertram R., Berkeley, Calif. Pin retainer. 2,595,383, May 6.

Irving, David B., Columbus, Ohio. Adjustable width single-piece garment hanger. 2,621,834, Dec. 16.

Irving, Francis: *See—*
Belshaw, Philip L., Howard, and Irving.

Irving, Frank J., San Gabriel, Calif. Electrically heated chair. 2,587,731, Mar. 4.

Irving, Jack H., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio object locating system having a hyperbolic sweep. 2,611,126, Sept. 16.

Irving, Knut T., assignor to Exportlists Forsaljnings AB, Nykoping, Sweden. Suspension device for curtains, draperies, or the like. 2,588,243, Mar. 4.

Irwin, Emmett M., San Marino, assignor to Basic Processes, Inc., Pasadena, Calif. Ice-cream manufacturing device and process. 2,594,442, Apr. 29.

Irwin, Ernest R., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Slushing compositions. 2,593,676, Apr. 22.

Irwin, Herbert G., Noble, La. Smoke absorbent smoker. 2,611,311, Sept. 23.

Irwin, Leland S., Ritzville, Wash. Skillet cover. 2,609,960, Sept. 9.

Irwin, Milton, and G. W. Felker, Minneapolis, Minn. Device for cleaning cutting blades. 2,606,578, Aug. 12.

Irwin, Tracy K., Los Angeles, Calif. Detachable holder for bottles or the like. 2,597,642, May 20.

Isaac, Augustin, Lyon, France. Bicycle pedal. 2,603,104, July 15.

Isaac, Matthew J., Dallas, Tex. Lure. 2,618,093, Nov. 18.

Isaac, Peter, St. Catharines, Ontario, Canada. Gear-operated socket wrench. 2,590,706, Mar. 25.

Isaacs, Charles H., Arlington, Va., assignor to Melpar, Inc., Washington, D. C. Shaft controlling mechanism. 2,603,330, July 15.

Isaacs, Marcus M., St. Leonards, New South Wales, Australia. Garment tensioning means. 2,592,148, Apr. 8.

Isaacson, Edsel C., St. Paul, Minn. Receipt holder. 2,598,125, May 27.

Isaacson, Harry H., New York, N. Y. Hassock. 2,595,144, Apr. 29.

Isaacson, Irene I., and E. D. Carrico, El Campo, Tex. Undergarment. 2,616,086, Nov. 4.

Isaacson Iron Works, assignee: *See—*
Flynn, Theodore P.
Larson, Harry D.

Isacco, Vittorio, London, England. Fuel supply system for helicopter with jet-driven rotor. 2,585,468, Feb. 12.

Isacks, Albert J.: *See—*
Owen, William L., and Isacks.

Isbell, Arthur F., Minneapolis, Minn., assignor to General Mills, Inc. Detergent mixtures containing beta amino propionates. 2,619,467, Nov. 25.

Isbell, Horace S., Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce. Preparation of aldonic acids. 2,606,918, Aug. 12.

Isbister, Eric J.: *See—*
Peters, John L., and Isbister.

Ischer, Hans, assignor to Sandoz A. G., Basel, Switzerland. Disazo dyestuffs. 2,623,873, Dec. 30.

Ischinger, Alfred E., Reading, Pa. Hosiery. 2,604,770, July 29.

Iselin, Ernst and W. Wehrli, assignors to Sandoz Limited, Basel, Switzerland. Azo dyestuffs and making same. 2,598,126, May 27.

Isely, Frank C., Washington, D. C. Radio-frequency circuit. 2,589,259, Mar. 18.

Isely, Frank C., Washington, D. C. Apparatus for measuring pulse power and for testing radio echo apparatus. 2,619,634, Nov. 25.

Isenberg, Alexander H., assignee: *See—*
Williamson, Thomas F. M.

Isenberg, Alexander H., Woodside, Calif. Apparatus for making thermal insulated pipe. 2,608,754, Sept. 2.

Isenberg, Hans D., Wilmette, Ill. Coaxial cable with spiral spacer. 2,600,111, June 10.

Isenberg, Hans D., Wilmette, Ill. Device for color coding insulated conductors. 2,610,607, Sept. 16.

Isenberg, Robert M., Fort Mitchell, Ky. Airport taxiway reflector. 2,610,548, Sept. 16.

Isenberg, Sampson, assignor, by mesne assignments, to Pollak Luminescent Corporation, Chicago, Ill. Cerium activated aluminate phosphors active in the erythemal range. 2,590,411, Mar. 25.

Isham, Robert M.: *See—*
Levine, Morris, and Isham.

Isherwood, Eldon I., Flin Flon, assignor to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Electrodeposition of zinc. 2,602,775, July 8.

Isherwood, Fred, and W. S. Miller, assignors to The Calico Printers' Association Limited, Manchester, England. Photographic development of color on textile and other materials. 2,623,821, Dec. 30.

Ishler, Harry K., Floral Park, N. Y., assignor to Sylvania Electric Products, Inc. Structure and internal shielding of electron tubes. 2,601,528, June 24.

Isler, Hans, Bottmingen, and A. Huenl, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 2,4-disubstituted amino quinazolines. 2,623,878, Dec. 30.

Isler, William, assignee: *See—*
Orner, Harry.

Islip, Leonard, Rugby, and S. W. H. Perry, Knighton, assignors to Power Jets (Research and Development) Limited, London, England. Seal for rotors of turbines and like fluid flow machines. 2,587,326, Feb. 26.

Isom, Warren R.: *See—*
Kellogg, Edward W., and Isom.

Isom, Warren R., West Collingswood, N. J. assignor to Radio Corporation of America. Shutter for motion-picture projectors. 2,609,724, Sept. 9.

Isom, Warren R., West Collingswood, and D. R. Andrews, Collingswood, N. J., assignors to Radio Corporation of America. Variable light interrupting shutter. 2,609,725, Sept. 9.

Isotope Developments Limited, assignee: *See—*
Fearnside, Kenneth, and Shaw.

Israel, Grace K., assignee: *See—*
Kayser, Allan J.

Israel, John J., deceased, Merrick, N. Y., by R. S. Israel, administratrix, assignor to said R. S. Israel; A. Kantrow, executor of said R. S. Israel, deceased. Cyclone separator. 2,604,956, July 29.

Israel, Ray S., administratrix, assignee: *See—*
Israel, John J.

Israel, Robert D.: *See—*
Vettel, Arthur W., and Israel.

Israel, William O.: *See—*
MacLaurin, Robert D., and Israel.

Israel, Zisu, Winnipeg, Manitoba, Canada. Scribing assembly. 2,607,992, Aug. 26.

Isrnelson, Albert I., Hartington, Nebr. Locking spike. 2,608,123, Aug. 26.

Isreeli, Jack, New York, assignor to Simmonds Aerocessories Inc., Tarrytown, N. Y. Stand-by fuel feed control with hydraulic switching. 2,617,477, Nov. 11.

Isserstedt, Siegfried G., Toronto, Ontario, Canada. Venetian blind. 2,620,865, Dec. 9.

Issigonis, Alexander A., Oxford, J. N. Morris, Edgbaston, Birmingham, and P. W. Harrison, Croydon, assignors to Morris Motors Limited, Cowley, England. Power transmission for motor vehicles. 2,620,679, Dec. 9.

Italian Swiss Colony, assignee: *See—*
Emmart, John S.

Itaya, Oliver M., assignor to The F. C. Russell Company, Cleveland, Ohio. Gauge stop for glass tables. 2,595,079, Apr. 29.

Ittel, Henry A., Howard Lake, Minn. Animal carcass dehairing machine. 2,614,286, Oct. 21.

Iucker, John A., and H. Huff, Nampa, Idaho; said Iucker assignor to said Huff. Foliage removing machine. 2,618,112, Nov. 18.

Ivanc, Lewis S., assignee: *See—*
Legerski, Charles J.

Ivanek, Boles B., New York, N. Y. Valve for liquid treating apparatus. 2,616,446, Nov. 4.

Ivanoff, Alexander, assignor to Hayward-Tyler & Co. Limited, Luton, Bedford, England. Pumping of fluids under high pressures. 2,598,547, May 27.

Ivanoff, Alexander, and G. P. E. Howard, Luton, England. Piston and independently operated distributing valve for reciprocating piston engines. 2,590,014, Mar. 18.

Ivanoff, Victor, Bedford, assignor to Hayward Tyler & Co. Limited, Luton, England. Reducing heat transfer along shafts. 2,601,146, June 17.

Ivany, Walter G.: *See—*
Griffin, Grant C., and Ivany.

Ivens, Edgar, Stanmore, and H. G. Wall, London, England, assignors to Modern Telephone Corporation, New York, N. Y. Intercommunication telephone system. 2,623,124, Dec. 23.

Ivers-Lee Company, assignee: *See—*
Salfisberg, Leroy L. and C. M.

Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Universal driving connection. 2,618,941, Nov. 25.

Iversen, Norman H., Birmingham, assignor to Production Broaching Corporation, Wayne County, Mich. Adjustable broach holder. 2,587,570, Feb. 26.

Iverson, Arden L.: *See—*
Kohl, William R., and Iverson.

Iverson, George W., assignor to J. I. Case Company, Racine, Wis. Hydraulic ram for raising sickle bars. 2,617,242, Nov. 11.

Iverson, Robert L.: *See—*
Royer, Leslie W., and Iverson.

Iverson, Sam K., Colfax, Wis. Coin wrapping and counting machine. 2,604,743, July 29.

Ives, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Direct positive photographs using hydrazine in the emulsion. 2,588,982, Mar. 11.

Ives, Clifford B., St. Louis County, assignor to Alco Valve Company, University City, Mo. Pilot operated valve. 2,593,564, Apr. 22.

Ives, H. B., Company, The, assignee: *See—*
Keeler, Dwight H.
Nowakowski, Stanley.

Ives, Loyal T., Company, Inc., The, assignee: *See—*
Kohut, John J.

Ives, Milo W., Ellenville, assignor to Ives & Waters, Inc., Haverstraw, N. Y. Semiautomatic rotary cable tool dresser. 2,615,353, Oct. 28.

Ives, Robert S.: *See—*
Roy, Joseph A., and Ives.

Ives & Waters, Inc., assignee: *See—*
Ives, Milo W.

Ivey, Mildred H., Atlanta, Ga. Lipstick applicator. 2,610,641, Sept. 16.

Ivie, Roger G., Oakland, Calif. Greasing apparatus. 2,599,436, June 3.

Ivins, Barbara, New York, and G. M. Peltz, Flushing, N. Y., assignors to W. D. Teague, Annandale, N. J., R. J. Harper, Scarsdale, N. Y., and C. S. Myers, Altadena, Calif., as co-partners, doing business as Walter Dorwin Teague, New York, N. Y. Machine for preparation of relief maps. 2,608,907, Sept. 2.

Ivins, Herbert L., Cleveland, Ohio. Collapsible tube dispenser, including a pair of adjacent rollers. 2,615,595, Oct. 28.

Ivy, Philip J.: *See—*
Gravos, Albert H., and Ivy.

Iwald, Johan C., Rorosjon, Sweden. Hand loom. 2,588,843, Mar. 11.

Iwase, Keizo, Sendai, and K. Ogawa, Kyoto, Japan. Fragrant sintered metallic article. 2,620,227, Dec. 2.

Iwashita, George K., Nutley, N. J., assignor to Admiral Corporation, Chicago, Ill. Two temperature refrigerator. 2,589,549, Mar. 18.

Iwashita, George K., Nutley, N. J., assignor to Admiral Corporation, Chicago, Ill. Two temperature refrigerator. 2,589,550, Mar. 18.

Iwashita, George K., Nutley, N. J., assignor to Admiral Corporation, Chicago, Ill. Two temperature refrigerator. 2,589,551, Mar. 18.

Iwashita, George K., Nutley, N. J., assignor to Admiral Corporation, Chicago, Ill. Two-temperature refrigerator. 2,610,479, Sept. 16.

Iwatsu, Takeo: *See—*
Matsukawa, Taizo, and Iwatsu.

Izard, Emmette F., Kenmore, and L. A. Auspos, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of highly polymeric linear polymethylene terephthalates in solution and precipitation thereof. 2,597,643, May 20.

Izen, Manuel, Los Angeles, Calif. Table-top processing machine. 2,599,712, June 10.

Izenour, George C., New Haven, Conn. Lighting control circuits. Re. 23,575, Nov. 11.

Izquierdo, Federico de los Santos, Mexico City, Mexico. Loom comb. 2,603,242, July 15.

J. & J. Tool & Machine Co., assignee: *See—*
Junkunc, Bela B.
Junkunc, Bela B., and Mazanek.

J & S Carburetor Co., assignee: *See—*
Jones, Sam P.

Jaasund, Torkel, Brooklyn, assignor to General Carpet Supply Co. Inc., New York, N. Y. Combined carpet fastener and binder. 2,611,918, Sept. 30.

Jabczenski, Mitchell, assignee: *See—*
Brush, Don D.

Jablon, Theodore M., New York, N. Y. Key chain. 2,589,260, Mar. 18.

Jabour, Joseph, Detroit, Mich. Method and apparatus for generating helical grooves. 2,595,460, May 6.

Jaccarino, Frederick, Stamford, and A. Pinson, Riverside, assignors to Apex Accessories Co., Inc., Greenwich, Conn. Terminal for wristbands for watches. 2,585,326, Feb. 12.

Jacir, Joseph, Neuilly-Plaisance, France. Liquid cooling apparatus. 2,606,750, Aug. 12.

Jack, George, Rochelle Park, assignor to J. M. Lehmann Company, Inc., Lyndhurst, N. J. Roller grinding mill. 2,606,080, Aug. 5.

Jack & Heints Precision Industries, Inc., assignee: *See—*
Bousky, Samuel.
Breit, Robert J., and Schroeder.
Buhl, Walter T.
Fritz, Dwain E.
Hartz, Raymond J.
Heintz, Ralph M.
Jenny, Albert C.
Neff, Joseph J.
Sears, Richard E.
Sears, Richard E., and Karlin.
Walley, Omar C., and Schen.

Jack, John M., Mission, G. H. Webb, Kansas City, Kans., and L. H. Jefferson, Kansas City, Mo., assignors to Double J Manufacturing Company Inc., Kansas City, Kans. Apparatus for raising and leveling forms for walls of concrete structures. 2,596,854, May 13.

Jackel, Arthur P., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Thermal relay. 2,611,056, Sept. 16.

Jackel, Arthur P., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Automatic reservation system of the code type. 2,622,142, Dec. 16.

Jackes-Evans Manufacturing Company, assignee: *See—*
Jackes, Stanley F., and Sheets.

Jackes, Stanley F., University City, Mo., and R. H. Sheets, Granite City, Ill., assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo. Handling apparatus for hollow coils and the like. 2,600,538, June 17.

Jacket, Howard S., Brooklyn, N. Y., assignor to Hofman Laboratories, Inc., Newark, N. J. Shock absorbing suspension for liquid gas containers. 2,596,244, May 13.

Jackman, Richard L., Ferndale, assignor to Chrysler Corporation, Highland Park, Mich. Testing apparatus. 2,588,630, Mar. 11.

Jackson, Adelbert J., Kalamazoo, Mich. Toy simulating a camera. 2,602,265, July 8.

Jackson, Aldrich L., Excelsior, assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Stripper and cleaner for meat tenderizing machines. Re. 23,506, May 27.

Jackson, Aldrich L., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Meat processing machine. 2,598,548, May 27.

Jackson, Aldrich L., Eustis, Fla., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Casing support for meat processing. 2,598,549, May 27.

Jackson, Aldrich L., Eustis, Fla., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Meat tenderizing machine with stripper. 2,598,550, May 27.

Jackson, Alexander F., East Orange, N. J. Antirattle device for automobile windows. 2,621,962, Dec. 16.

Jackson, Alton B.: *See*—
Clarkson, John L., and Jackson.

Jackson, Arthur L., West Asheville, assignor to American Enka Corporation, Enka, N. C. Thread-advancing reel. 2,606,356, Aug. 12.

Jackson, Arthur R., London, England, assignor to Remington Rand Inc., New York, N. Y. Indicating device for displaying variable information. 2,608,012, Aug. 26.

Jackson, Byron, Co., assignee: *See*—
Cornelius, Paul D.
Gaylord, James M.
Lundeen, Chester A.
Mathews, Harry A., Riordan, and Scott.

Jackson & Church Company, assignee: *See*—
Ahlborn, Clarence E.
Grueneberg, Walter A.

Jackson, Clifford C.: *See*—
Smith, Herman W., and Jackson.

Jackson, Corwill, Ludington, Mich. Concrete placement machine. 2,582,486, Jan. 15.

Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Machine for placing concrete and the like. 2,584,459, Feb. 5.

Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Machine for placement of concrete and the like. 2,599,330, June 3.

Jackson, David, and J. Thomson, assignors to Mavor & Coulson, Limited, Glasgow, Scotland. Chute for the delivery of material such as coal. 2,589,814, Mar. 18.

Jackson, Donald, assignor to Pye Limited, Cambridge, England. Suspension mounting for the focusing device of cathode-ray tubes. 2,591,820, Apr. 8.

Jackson, Donald M., Fullerton, assignor to Chiksan Company, Brea, Calif. Hydraulic agitator. 2,592,904, Apr. 15.

Jackson, Donald R. P.: *See*—
Chalmers, John W., and Jackson.

Jackson, Donald R. P., assignor to Molins Machine Company Limited, London, England. Stacking device for workpieces of rectangular block shape. 2,585,554, Feb. 12.

Jackson, Edward H., Jr., Temple, Pa. Device for changing the transverse arrangement of crosswise contiguous portions of ribbonlike materials. 2,595,855, May 6.

Jackson, Edwin C., Clayton, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,592,700, Apr. 15.

Jackson, Elwood F.: *See*—
Basdekis, Costas H., and Jackson.
Hardy, Edgar E., and Jackson.
Scott, Milton J., and Jackson.

Jackson, Elwood F., Ludlow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Modified melamine-formaldehyde resins. 2,608,546, Aug. 26.

Jackson, Ernest W., Austin, and M. S. Burke, Alpine, assignors to The Steck Company, Austin, Tex. Stamp transferring mechanism. 2,621,434, Dec. 16.

Jackson, Foster C., Middleboro, Mass. Antenna mount. 2,597,733, May 20.

Jackson, Frank L., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Waxy triglycerides. 2,615,159, Oct. 21.

Jackson, Frank W., and H. M. Nacey, Chicago, Ill. Safety device for liquid supply systems. 2,596,691, May 13.

Jackson, George P.: *See*—
Meissner, Harold G., and Jackson.

Jackson, George P., Flushing, N. Y., assignor to Combustion Engineering-Superheater, Inc. Burning and disposal of furnace fly ash. 2,592,701, Apr. 15.

Jackson, George P., Flushing, assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Dual nozzle burner for pulverized fuel. 2,608,168, Aug. 26.

Jackson, George W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper drive. 2,587,163, Feb. 26.

Jackson, Gordon: *See*—
Goble, Ralph W., and Jackson.

Jackson, Gordon, assignor to Eastman Oil Well Survey Company, Denver, Colo. Temperature indicating unit. 2,598,551, May 27.

Jackson, Grover V., New Port Richey, Fla. Guide for sawing machines having reciprocating carriages. 2,594,651, Apr. 29.

Jackson, Hagan L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron beacon. 2,590,540, Mar. 25.

Jackson, Harold F., assignor of one-third to W. L. Hildebrand and one-third to R. G. Whitehead, Long Beach, Calif. Suction apparatus for cleaning rooms. 2,609,190, Sept. 2.

Jackson, Harry, Stevenston, and G. G. Jones, Annan, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of pentaerythritol. Re. 23,584, Nov. 18.

Jackson, Henry F., Headland, Ala. Hole digging attachment for tractors. 2,581,535, Jan. 8.

Jackson, Herbert P., Congleton, England. Vertically undulating platform roundabout. 2,621,929, Dec. 16.

Jackson, Honel A., Warren, Mich. Goggles. 2,609,538, Sept. 9.

Jackson, James H., Detroit, Mich. Forced draft gas burner. 2,594,562, Apr. 29.

Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Wind tunnel window structure. 2,601,148, June 17.

Jackson, Jay J., Tonawanda, N. Y. Tray holder for card tables. 2,614,782, Oct. 21.

Jackson, John G., assignor to Eastman Oil Well Survey Company, Denver, Colo. Directional drilling apparatus. 2,586,662, Feb. 19.

Jackson, John G., assignor to Eastman Oil Well Survey Company, Denver, Colo. Protecting well casing from damage by strata or other earth slippage. 2,619,323, Nov. 25.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,601,147, June 17.

Jackson, John H., and O. W. Simmons, Columbus, Ohio, assignors, by mesne assignments, to The Illium Corporation, Freeport, Ill. Hot workable nickel alloy. 2,597,495, May 20.

Jackson, John M., Middletown, and V. W. Carpenter, Franklin, Ohio, assignors to Armco Steel Corporation. Production of electrical steel strip. 2,582,382, Jan. 15.

Jackson, John W., executor, trustee: *See*—
Jewett, Nelson J.

Jackson, Leslie K., Lakewood, assignor, by mesne assignments, to The Harvard Manufacturing Company, Cleveland, Ohio. Bedframe and special caster receiving socket construction. 2,607,051, Aug. 19.

Jackson, Lloyd H., Vernon, Tex. Apparatus for treating cottonseed and the like for planting purposes. 2,603,552, July 15.

Jackson, Louis, New York, N. Y. Apparatus for producing artistic designs in absorbent material. 2,584,021, Jan. 29.

Jackson, Louis, New York, N. Y. Production of artistic design using wicking wet with a metallic salt solution that forms a color on exposure to light. 2,595,080, Apr. 29.

Jackson, Louis, New York, N. Y. Apparatus for producing artistic designs. 2,603,078, July 15.

Jackson, Mae G., executrix: *See*—
Jackson, Robert J.

Jackson, Nolan C., Wichita, Kans. Clamp structure for garment finishing machines or the like. 2,592,903, Apr. 15.

Jackson, Norman W.: *See*—
Molins, Desmond W., and Jackson.
Molins, Desmond W., Ruan, Jackson, and Bruce.
Molins, Desmond W., Ruan, Nichols, Jackson, and Williams.

Jackson, Oral K., Montebello, Calif. Plumb bob. 2,592,425, Apr. 8.

Jackson, Otto V., Geauga Lake, Ohio. Dishwashing machine. 2,608,981, Sept. 2.

Jackson, Richard I., Perrysburg, Ohio, assignor to International Minerals & Chemical Corporation. Concentration of nonmetallic minerals by flotation. 2,596,407, May 13.

Jackson, Robert, assignee: *See*—
Theisen, Leonard.

Jackson, Robert J., deceased, Houston, Tex.; M. G. Jackson and South Texas National Bank of Houston, executors of said R. J. Jackson. Combined starter control and belt tightener for internal-combustion engines. 2,603,974, July 22.

Jackson, Solomon N., Georgetown, Tex. Boat oar. 2,589,698, Mar. 18.

Jackson, Tom: *See*—
Olpin, Henry C., and Jackson.

Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.

Jackson, Vincent R., assignor to Universal Concrete Pipe Company, Columbus, Ohio. Rotatable core structure for concrete pipe-forming molds and fluid-actuated brake means therefor. 2,606,354, Aug. 12.

Jackson, Walter C., Mountainside, N. J., assignor to Tingley Reliance Rubber Corporation. Automobile fender flap and supporting clamp. 2,617,662, Nov. 11.

Jackson, Walter C., Rahway, N. J., assignor to Tingley Reliance Rubber Corporation. Rubber overshoe. 2,617,209, Nov. 11.

Jackson, Wilbur F., Compton, Calif., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined thermostat and automatic pilot control. 2,604,266, July 22.

Jackson, Wilfred E., Richmond, Calif. Film toner apparatus. 2,619,015, Nov. 25.

Jackson, William G., assignor to The Upjohn Company, Kalamazoo, Mich. Two-phase three-solvent concentration of antipernicious anemia factors. 2,613,171, Oct. 7.

Jackson, William J. R., assignor of fifty-one per cent to H. S. Ames, and ten per cent to H. F. Halliday, Toronto, Ontario, Canada. Attachment for projectors for projecting stereoscopic pictures. 2,612,818, Oct. 7.

Jacob-Bender, Inc., assignee: *See*—
Bender, Joseph M.

Jacob, Brent C., Jr.: *See*—
Vogt, Paul R., and Jacob.

Jacob, Carlyle W., Lynn, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electrical breakdown device. 2,582,202, Jan. 8.

Jacob, Carlyle W., Rochester, N. Y. Recording head for facsimile reproduction and the like. 2,614,901, Oct. 21.

Jacob, Mark L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Keying system. 2,583,146, Jan. 22.

Jacob, Robert H., assignee: *See*—
Engelhardt, Eugen.

Jacob, Robert M., Ablon-sur-Seine, L. Liakhoff, Vitry-sur-Seine, and J. G. Robert, Paris, France, assignors to Societe des Usines Chimiques Rhone-Poulenc. Resolution of an amino-diol racemate. 2,586,661, Feb. 19.

Jacob, William A., Jr., Houston, Tex., and A. D. Van de Erve, assignors to Armour and Company, Chicago, Ill. Hydrogenation process. 2,602,806, July 8.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Mounting for lock mechanism. 2,580,548, Jan. 1.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electric switch. 2,601,398, June 24.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Dust cover mounting for cylinder locks. 2,602,319, July 8.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electrical switch. 2,604,554, July 22.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Pillar lock. 2,605,631, Aug. 5.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Terminal and contact construction for electric switches. 2,606,264, Aug. 5.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Terminal and contact construction for electric switches. 2,612,577, Sept. 30.

Jacobi, George T., Schenectady, N. Y., assignor to General Electric Company. Voltage level selector circuit. 2,612,550, Sept. 30.

Jacobi, Thomas E., Westmont, N. J., and W. L. Gensel, Philadelphia, Pa., assignors to Radio Corporation of America. Signal voltage frequency converter. 2,616,075, Oct. 28.

Jacobi, Werner, Erlangen, H. Hinderer, Marloffstein near Erlangen, and H. Katz, Buckenhof near Erlangen, assignors to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron tube with luminescent shield, especially tuning valve. 2,594,025, Apr. 22.

Jacobi, Werner, Erlangen, and H. Hinderer, Marloffstein near Erlangen, assignors to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron tube with luminescent shield, especially tuning tubes. 2,594,026, Apr. 22.

Jacobowitz, Arnold, assignee: *See*—
Howland, Eugene H., and Tessmer.

Jacobowitz, Louis, assignor to Ullman Products Corp., New York, N. Y. Self-sterilizing hair drier. 2,619,735, Dec. 2.

Jacobs, Berwin W.: *See*—
Crumrine, Chester W., and Jacobs.

Jacobs Bros. Co. Inc., The, assignee: *See*—
Schroeder, Charles S.

Jacobs, Clare S., Grosse Pointe Park, assignor to F. L. Jacobs Co., Detroit, Mich. Brake lever. 2,583,776, Jan. 29.

Jacobs, Clare S., Grosse Pointe Park, assignor to F. L. Jacobs Co., Detroit, Mich. Spring casing with integral liner. 2,604,318, July 22.

Jacobs, Clare S., and M. F. Wilcox, Detroit, Mich., assignors, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Automatic washing machine. 2,598,918, June 3.

Jacobs, Edward C., San Mateo, Calif., and L. G. Lundsted, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Chromic oxide-cadmium chloride-cadmium oxide catalyst. 2,600,654, June 17.

Jacobs, Edward C., San Mateo, Calif., and L. G. Lundsted, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Chromium oxide-tungsten oxide-iron oxide gel catalyst. 2,600,655, June 17.

Jacobs, Ellis H., assignee: *See*—
Miller, Joseph J.

Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.
Burggrabe, Henry A.
Jacobs, Clare S.

Jacobs, Frans M.: *See*—
Derksen, Jan C., and Jacobs.

Jacobs, George E.: *See*—
Tuttle, Bertha S., and Jacobs.

Jacobs, Harold, Long Branch, N. J., and G. Hees, Woodside, N. Y., assignors to Sylvania Electric Products Inc. Electrode structure for electron discharge devices. 2,601,024, June 17.

Jacobs, Harold, and J. R. Martin, Long Branch, N. J., assignors to the United States of America as represented by the Secretary of Army. Cold cathode gas tube amplifier. 2,590,863, Apr. 1.

Jacobs, Harold, St. Albans, and G. Hees, Woodside, N. Y., assignors to Sylvania Electric Products Inc. Electron emitter. 2,600,112, June 10.

Jacobs, Henry S.: *See*—
Burdick, Will S., Jacobs, and Schneider.

Jacobs, Howard A., Dayton, Ohio. Molding protector. 2,600,296, June 10.

Jacobs, Irving C., Longmeadow, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control and resetting mechanism for fluid dispensing apparatus. 2,599,556, June 10.

Jacobs, James D., Wauseon, Ohio. Occupant propelled exercising toy horse. 2,584,879, Feb. 5.

Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,611,275, Sept. 23.

Jacobs, Jules, New City, N. Y. Traction device for vehicle wheels. 2,586,049, Feb. 19.

Jacobs, Leonard: *See*—
Sohon, Harry, and Jacobs.

Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.

Jacobs, Marcellus L., assignor to Jacobs Wind Electric Company, Minneapolis, Minn. Tree felling jack. 2,583,945, Jan. 29.

Jacobs, Philip C., Jr., Newtonville, Mass., assignor, by mesne assignments, to The Acro Manufacturing Co., Columbus, Ohio. Snap action switch. 2,584,460, Feb. 5.

Jacobs, Pieter H., Cape Town, Cape Province, Union of South Africa. Spinning toy or display apparatus. 2,592,286, Apr. 8.

Jacobs, Robert B., Rochester, N. Y., assignor by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for measuring tightness of vessels. 2,608,855, Sept. 2.

Jacobs, Samuel S.: *See*—
Reid, George C., and Jacobs.

Jacobs, Simon J., Philadelphia, Pa. Apparatus for setting thermostatic controls. 2,592,905, Apr. 15.

Jacobs, Stephen, Fitchburg, Mass., assignor to General Electric Company. Liquid actuated prime mover regulating system with viscosity correction. 2,621,672, Dec. 16.

Jacobs, William A., Wilkinsburg, and E. M. Allen, Edgewood, Pa., assignors to Westinghouse Air Brake Company. Time element relay control means. 2,618,741, Nov. 18.

Jacobs Wind Electric Company, assignee: *See*—
Jacobs, Marcellus L.

Jacobsen, Andrew B., Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Modulator circuit. 2,591,821, Apr. 8.

Jacobsen, Andrew B., Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical measuring system. 2,609,533, Sept. 2.

Jacobsen, Bent B., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Signal compression and expansion arrangements in electric communication systems. 2,586,825, Feb. 26.

Jacobsen, Bent B., and W. J. Mitchell, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric wave filter. 2,611,874, Sept. 23.

Jacobsen, Borge, Grosse Pointe Woods, Mich. Two-cycle crankcase compression engine. 2,586,467, Feb. 19.

Jacobsen, Edwin, Altadena, Calif. Safety razor. 2,593,306, Apr. 15.

Jacobsen, Edwin, Altadena, Calif. Safety razor. 2,593,307, Apr. 15.

Jacobsen, Karl O. F., Seattle, Wash. Underwater mining device. 2,605,090, July 29.

Jacobsen, Le Roy V., Durant, Iowa, and G. G. Gosline, Rock Island, Ill., assignors to Bee-Line Company, Davenport, Iowa. Bilaterally and uniformly extensible unit. 2,581,021, Jan. 1.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,583,777, Jan. 29.

Jacobsohn, Walter R. J., London, England. Closure plug and coaxial apertured sealing cap for containers. 2,619,265, Nov. 25.

Jacobson, Abner: *See*—
Spencer, Arthur M., Jacobson, and Sixt.

Jacobson, Arthur G., assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Dampening roller removal and insertion mechanism. 2,607,291, Aug. 19.

Jacobson, Arvid W., Jr.: *See*—
Hodder, Wayne K., Gamertsfelder, and Jacobson.

Jacobson, Burton A.: *See*—
Van Heeckeren, Willem, Meadows, and Jacobson.

Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film advancing means for cameras, including film pawls or curtain shutters. 2,584,964, Feb. 5.

Jacobson, Charles, Brooklyn, N. Y. Towel feeding and cutting machine. 2,612,425, Sept. 30.

Jacobson, Edwin B., Grand Rapids, Mich., assignor to Crompton Manufacturing Company. Latch mechanism. 2,622,910, Dec. 23.

Jacobson, F., & Sons, Inc., assignee: *See*—
Jacobson, Moses W.

Jacobson, Homer, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of radioactive bromine. 2,605,219, July 29.

Jacobson, Irvin D., Madison, and R. F. Herr, Warren, assignors to Perfection Pipe Nipple Company, Madison, Ohio. Semiautomatic pipe nipple threading machine. 2,621,346, Dec. 16.

Jacobson, Jacob, New York, N. Y. Therapeutic preparation comprising benzyl cinnamate and vitamin A. 2,592,149, Apr. 8.

Jacobson, James H., Chicago, Ill. Joint for concrete slabs. 2,589,815, Mar. 18.

Jacobson, James H., Chicago, Ill. Load transfer device for concrete pavements. 2,608,141, Aug. 26.

Jacobson, James H., Chicago, Ill. Joint assembly for concrete pavements. 2,608,142, Aug. 26.

Jacobson, James H., Chicago, Ill. Joint for concrete slabs and the like. 2,619,884, Dec. 2.

Jacobson, James J., New York, N. Y. Skewer roaster frame. 2,580,549, Jan. 1.

Jacobson, Moses W., assignor to F. Jacobson & Sons, Inc., New York, N. Y. Shirt package and shirt form therefor. 2,620,950, Dec. 9.

Jacobson, Ole, Cumberland, Wis. Device for removing extraneous matter from well shafts. 2,621,067, Dec. 9.

Jacobson, Sven, Gothenburg, Sweden. Removing husks from oats. 2,620,841, Dec. 9.

Jacobson, William, Ashford, Wash. Drag saw having angularly adjustable blade. 2,611,399, Sept. 23.

Jacobson, Woodrow R., Schenectady, N. Y., assignor to General Electric Company. Reproducing apparatus. 2,583,778, Jan. 29.

Jacobsson, Wilgot J.: *See*—
Hoffman, James A., Oldham, and Jacobsson.
Oldham, Samuel R., Hoffman, and Jacobsson.

Jacobsson, Wilgot J., Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid pressure regulator. 2,612,728, Oct. 7.

Jacobsson, Wilgot J., Plainfield, J. A. Hoffman, Roselle, and S. R. Oldham, West Orange, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Aircraft breathing oxygen regulator. 2,614,573, Oct. 21.

Jacobus, David D., Hoboken, N. J., assignor to American Machine and Foundry Company. Bowling pin respotter. 2,583,052, Jan. 22.

Jacobus, Ernest W., Jr.: *See*—
Raymond, John L., Glambro, and Jacobus.

Jacobus, John J., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Dragging equipment detector signaling system for railroads. 2,581,108, Jan. 1.

Jacobus, Robin A., Glendora, Calif. Magazine for stapling tools. 2,588,929, Mar. 11.

Jacoby, Arthur L.: *See*—
Bird, Paul G., and Jacoby.
Bird, Paul G., Jacoby, and Kell.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in stem generation. 2,580,922, Jan. 1.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of corrosion in steam generation. 2,580,923, Jan. 1.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of corrosion in steam generation. 2,580,924, Jan. 1.

Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of corrosion in aqueous systems. 2,582,129, Jan. 8.

Jacoby, George, Marquartstein, Germany, assignor of one-twentieth to R. Schubert, Alexandria, Va., and I. Papcsy, Newark, N. J. Photoelectric exposure control. 2,592,035, Apr. 8.

Jacoby, George W., Jr., Wooster, Ohio. Holder for hypodermic needle. 2,613,485, Oct. 14.

Jacoby, John W.: *See*—
Maier, August R., and Jacoby.

Jacolev, Leon, Irvington, N. J., and I. F. German, Jr., Bronx, assignors to The Texas Company, New York, N. Y. Preparation of synthesis gas. 2,591,700, Apr. 8.

Jacolev, Leon, Irvington, N. J., and L. P. Gaucher, Mount Vernon, assignors to The Texas Company, New York, N. Y. Conversion of hydrocarbonaceous material into synthesis gas. 2,606,826, Aug. 12.

Jacomini, Louise M., Hermosa Beach, Calif. Garment protecting attachment for garment hangers. 2,582,633, Jan. 15.

Jacowitz, Sheldon, Brooklyn, N. Y. Ironing board. 2,606,275, Aug. 5.

Jacquard Knitting Machine Co., Inc., assignee: *See*—
Miller, Charles F.
Teubner, Edmund E.

Jacques, Joseph, and W. J. Reilly, Attleboro, Mass., assignors to Evans Case Co. Base for cigarette lighters or similar articles. 2,622,755, Dec. 23.

Jacques, Stanley A., assignor to Askania Regulator Company, Chicago, Ill. Fluid regulator. 2,601,207, June 17.

Jacques, Stanley A., assignor to Askania Regulator Company, Chicago, Ill. Manual drive for hydraulic servomotors. 2,615,429, Oct. 28.

Jacquier, Michel C. J., Paris, assignor to Societe des Accumulateurs Fixes & de Traction, Romainville, France. Series connected cells with individual rectifier shunts. 2,624,033, Dec. 30.

Jacquier, Pierre A. C., Paris, France. Sealable storage battery construction. 2,614,138, Oct. 14.

Jacuzzi Bros., Incorporated, assignee: *See*—
Armstrong, John E., and Jacuzzi.
Jacuzzi, Joseph.

Jacuzzi, Candido: *See*—
Armstrong, John E., and Jacuzzi.

Jacuzzi, Joseph, Berkeley, Calif., assignor to Jacuzzi Bros., Incorporated. Pressure system. 2,621,596, Dec. 16.

Jaeger, Edward B., Philadelphia, Pa. Dry mix. 2,611,704, Sept. 23.

Jaeger, Edward T., Rockville Centre, assignor to Manhasset Machine Company, Mineola, N. Y. Bagmaking machine. 2,587,732, Mar. 4.

Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Lifting device. 2,610,890, Sept. 16.

Jaeger Machine Company, The, assignee: *See*—
Bohannan, Robert C., Pickard, and Horning.
Horning, Harold R.
Jaeger, Gebhard.

Jaekel, Jan: *See*—
Högel, Lennart, and Jaekel.

Jaern, Albert, and L. Eriksen, Oslo, Norway. Adjustable calk for pneumatic vehicle tires. 2,592,150, Apr. 8.

Jaeschke, Ralph L.: *See*—
Winther, Martin P., and Jaeschke.

Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Dynamoelectric apparatus. 2,594,931, Apr. 29.

Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Magnetic pole. 2,606,948, Aug. 12.

Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Hoist control. 2,609,181, Sept. 2.

Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Field control of electromagnetic couplings. 2,615,945, Oct. 28.

Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Dynamoelectric machine. 2,616,060, Oct. 28.

Jaffe, Bernard M., New York, N. Y. Flash analyzer. 2,597,001, May 20.

Jaffe, David L., New London, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pressurized antenna feed. 2,605,420, July 29.

Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Electrical light-transmission controlling arrangement. 2,591,701, Apr. 8.

Jaffe, Hans, Cleveland Heights, assignor to the Brush Development Company, Cleveland, Ohio. Transducing device having an electro-mechanically responsive dielectric element. 2,592,703, Apr. 15.

Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Electrical light-transmission controlling arrangement. 2,616,962, Nov. 4.

Jaffe, Leonard D., Cambridge, Mass. Method and apparatus for measuring heat flow during quenching of metals. 2,587,622, Mar. 4.

Jaffee, Robert I., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Titanium-molybdenum-chromium alloys. 2,588,007, Mar. 4.

Jaffee, Robert I., and H. R. Ogden, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium base alloy. 2,596,485, May 13.

Jaffee, Robert I., H. R. Ogden and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,486, May 13.

Jaffee, Robert I., H. R. Ogden and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,487, May 13.

Jaffee, Robert I., H. R. Ogden, and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,488, May 13.

Jaffee, Robert I., H. R. Ogden and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,489, May 13.

Jagaciuski, Theodore E., assignor to Monroe Calculating Machine Company, Orange, N. J. Inspection table. 2,620,246, Dec. 2.

Jagen, Theodore A., Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauging of articles for diameter. 2,607,481, Aug. 19.

Jagen, Theodore A., Livingston, N. J., assignor to General Motors Corporation, Detroit, Mich. Device for gauging and sorting articles. 2,601,921, July 1.

Jagger, Ernest T., assignor to George Angus and Company Limited, Newcastle-upon-Tyne, England. Bush for sealing rotary shafts. 2,606,779, Aug. 12.

Jaguden, Irving, New York, N. Y. Wallet. 2,613,717, Oct. 14.

Jahn, Edward J., Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif. Metalworking lubricant. 2,605,224, July 29.

Jahn, Emmett C., assignor to Union Railway Equipment Company, Chicago, Ill. Floor rack. 2,603,169, July 15.

Jahn, Fred S., and J. A. Carmien, Los Angeles, and J. E. Mullings, Pacific Palisades, assignors to New Plastic Corporation, Los Angeles, Calif. Flexible ice tray. 2,587,852, Mar. 4.

Jahn, Walter K., Beverly Hills, J. A. Carmien, Los Angeles, and J. E. Mullings, Pacific Palisades, assignors to New Plastic Corporation, Los Angeles, Calif. Soft-headed hammer. 2,601,294, June 24.

Jahncke, Albert, Geneva, assignor to Hermann Thorens S. A., Sainte-Croix, Switzerland. Tuning means. 2,592,151, Apr. 8.

Jahncke, Evelyn, New Orleans, La. Drawing device. 2,583,334, Jan. 22.

Jahncke, Harry H., Webster City, Iowa. Flashlight attachment for guns. 2,601,613, June 24.

Jahnig, Charles E.: *See*—
Wurth, Walter A., Martin, and Jahnig.

Jahnig, Charles E., Red Bank, N. J., assignor to Standard Oil Development Company. Fluidized shale distillation. 2,618,588, Nov. 18.

Jahoda, Edward, Munhasset, assignor to H. P. Andrews Paper Company, New York, N. Y. Making photographic paper. Re. 23,510, June 10.

Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Latch releasing door handle. 2,591,822, Apr. 8.

Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle mounting. 2,593,677, Apr. 22.

Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Mounting stud for drawer pull handles. 2,594,027, Apr. 22.

Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle. 2,610,080, Sept. 9.

Jakob, John P.: *See*—
Almgren, August E., and Jakob.
Almgren, August E., Jakob, and Goodrich.

Jakob, Richard J.: *See*—
Wilzky, Julius E., Lang, and Jakob.

Jakob, Robert H.: *See*—
Tess, Roy W. H., Jakob, and Bradley.

Jakobsen, Svend O., Hoyvarde, near Haugesund, Norway. Unloading apparatus. 2,620,236, Dec. 2.

Jakobsson, Per, Hallabrottet, and W. Sebardt, Nockeby, Sweden, assignor to International Ytong-Stabalite Company, Ltd., London, England. Apparatus for severing plastic bodies. 2,599,920, June 10.

Jakosky, John J., Los Angeles, Calif. Gravity meter. 2,613,536, Oct. 14.

Jalbert, Adrien L., assignor of fifty per cent to E. R. Jalbert, Lewiston, Maine. Binding machine. 2,614,276, Oct. 21.

Jalbert, Emile R., assignee: *See*—
Jalbert, Adrien L.

Jalkanen, Väinö K., Viitasaari, Finland. Variable capacity container. 2,611,272, Sept. 23.

James, Albert L.: *See*—
Aiken, William H., and James.

James, Bert I., Chanute, Kans. Automatic sash catch. 2,590,624, Mar. 25.

James, Charles C., Los Angeles, Calif. Supporting means for articles such as typewriters and sewing machines. 2,589,393, Mar. 18.

James, Clarence R.: *See*—
Edmondson, Jay N., Poulos, and James.

James, Cyril H., and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,611,142, Sept. 23.

James, David M., Manchester, England. Tiering means for trays. 2,603,361, July 15.

James, Emrys G.: *See*—
Brittain, Francis H., and James.

James, Emrys G., and A. O. E. Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Electrical crystal-contact device. 2,584,461, Feb. 5.

James, Emrys G., and A. O. E. Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Electrical crystal contact device. 2,597,734, May 20.

James, Frazier N., assignor of one-third to R. A. Gump, one-sixth to C. M. McMullin, and one-sixth to C. Kilgore, and one-third to Lone Star Vendor Corp., Dallas, Tex. Article release mechanism for vending machines. 2,583,217, Jan. 22.

James, George S., Woodside, assignor, by mesne assignments, to H. Pensig, N. Paterson, Brooklyn, and G. S. James, Woodside, N. Y. Sanitary waste disposal bin. 2,593,455, Apr. 22.

James, Guy, Yakima, Wash. Portable band saw. 2,593,760, Apr. 22.

James, Harold V., Littleton, Colo. Tire truing machine. 2,601,810, July 1.

James, Harry A., Joplin, Mo. Casting rod. 2,593,885, Apr. 22.

James, Herbert W.: *See*—
Palmer, Philip C., and James.

James Hosiery Mills, assignee: *See*—
Lane, Basil H.

James, Howell N., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Speed change gearing for grain drills. 2,595,461, May 6.

James, John L., deceased, Pittsburgh, Pa.; M. C. James, Fox Chapel Borough, Allegheny County, and Mellon National Bank and Trust Company, Pittsburgh, executors of said J. L. James, assignors to E. M. Asbury, Penn Township, Allegheny County Pa. Hedge clipper. 2,607,113, Aug. 19.

James, Lloyd L., Philo, Calif. Hub adapter for truck axles. 2,619,389, Nov. 25.

James Manufacturing Company, assignee: *See*—
De Cesaris, Frederick.
Fuge, Karl W.
Markey, George T.
Petranske, Harry O.

James, Margaret C., executrix: *See*—
James, John L.

James, Maxwell, New Rochelle, and B. N. Fisher, New York, N. Y., assignors to General Instrument Corporation, Elizabeth, N. J. Automatic record changer phonograph. 2,601,986, July 1.

James, Raymond E., East Riverdale, Md., and E. L. Pierce, Falls Church, Va. Wheeled vehicle for children. 2,617,658, Nov. 11.

James, Richard E., Pasadena, and A. J. Lampert, Walnut, assignors to Rheem Manufacturing Company, Richmond, Calif. Grid gas burner. 2,591,263, Apr. 1.

James, Richard E., Pasadena, and A. J. Lampert, Walnut, assignors to Rheem Manufacturing Company, Richmond, Calif. Gas burner head. 2,615,510, Oct. 28.

James, Robert M., Buffalo, N. Y. Wall anchoring device. 2,588,631, Mar. 11.

James, Robert M., Buffalo, N. Y. Flexible key form for forming recesses in concrete structures. 2,593,456, Apr. 22.

James, Robert M., Buffalo, N. Y. Flexible insert for forming recesses in walls and the like. 2,596,028, May 6.

James, Robert M., Buffalo, N. Y. Undercut former. 2,614,310, Oct. 21.

James, Robert S., Pittsburgh, Pa. Count predeterminator for automatic gas controls. 2,620,982, Dec. 9.

James, Thomas, Jr., Oaklyn, assignor to Specialty Brake Appliance Company, Camden, N. J. Brake slack adjusting mechanism. 2,616,527, Nov. 4.

James, Thomas, Jr., Oaklyn, N. J. Brake control mechanism. 2,616,767, Nov. 4.

James, William A., Arvida, assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Production of alumina values. 2,591,436, Apr. 1.

James, William E.: *See*—
Bauer, Ernest K., and James.

James, William G., West Middlesex, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus bar bushing structure for electrical apparatus casings. 2,611,002, Sept. 16.

James, William S., Birmingham, Mich., assignor to Fram Corporation. Ventilation of crankcases for internal-combustion engines. 2,584,090, Jan. 29.

Jameson, Morton B., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,581,664, Jan. 8.

Jamestown Steel Partitions, Inc., assignee: *See*—
Lundine, Gustav E.

Jamieson, Gilbert E., Fort Wayne, Ind., assignor to General Electric Company. Torque measuring device. 2,623,385, Dec. 30.

Jamieson, Hugh W., Los Angeles, and J. R. Whinnery, Berkeley, Calif., assignors to General Electric Company. High-frequency electric discharge device. 2,601,025, June 17.

Jamieson, Robert A., Renfrew, Ontario, Canada. Hay-shocking apparatus. 2,581,486, Jan. 8.

Jamison, C. Bland, assignee: *See*—
de Swart, Jan.

Jamison Cold Storage Door Co., assignee: *See*—
Jamison, John V., Jr.

Jamison, John V., Jr., assignor to Jamison Cold Storage Door Co., Hagerstown, Md. Closure means for super freezer doors. 2,612,372, Sept. 30.

Jamison, Lloyd D., Phoenix, Ariz. Combination convertible golf club and equipment case and cart. 2,590,178, Mar. 25.

Jamison, Roger E., Jr., Washington, D. C. Fire helmet having retractible transparent visor. 2,601,149, June 17.

Jamison, Truman K., Seattle, Wash. Ship salvage device. 2,622,552, Dec. 23.

Jamo, John N., Grand Rapids, Mich. Pocket comb. 2,584,462, Feb. 5.

Jampol Company, Inc., The, assignee: *See*—
Daniels, Herbert E.

Janas, Walter J., Lewiston, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,591,823, Apr. 8.

Janatka, Jaroslav, assignor of one-half to Ceskomoravska-Kolben-Danek, Narodni Podnik, Prague, Czechoslovakia. Apparatus for the manufacture of machine elements similar to or analogous to cams. 2,620,600, Dec. 9.

Jandacek, George W. *See*—
Cahill, John T., and Jandacek.

Jandasek, Joseph, assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid transmission. 2,607,456, Aug. 19.

Jandasek, Joseph, assignor to Chrysler Corporation, Highland Park, Mich. Hydrodynamic transmission. 2,609,706, Sept. 9.

Jandasek, Joseph, assignor to Chrysler Corporation, Highland Park, Mich. Hydrodynamic transmission. 2,616,310, Nov. 4.

Jandasek, Vladimir J., assignor to Bendix Aviation Corporation, Detroit, Mich. Injection pump. 2,580,785, Jan. 1.

Janecek, Frank H., Cleveland, and R. H. Bahney, Lakewood, assignors to Republic Steel Corporation, Cleveland, Ohio. Liquid seal for gas washers. 2,585,779, Feb. 12.

Janes, Alexander L., Jr., St. Paul, Minn. Stool. 2,597,332, May 20.

Janeway, Price W., Jr.: *See*—
Haug, John S., and Janeway.

Janeway, Robert N., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Suspension for railway trucks. 2,584,880, Feb. 5.

Janiak, Frank E., San Antonio, Tex. Toy bank coin depositing mechanism. 2,606,394, Aug. 12.

Janicke, Joseph, Bostwick Lake, Rockford, assignor, by mesne assignments, to Crown Apple Products, Inc., Grand Rapids, Mich. Article holding device. 2,617,675, Nov. 11.

Janiszewski, Kasimir, assignor to Superior Steel Products Corp., Milwaukee, Wis. Die set. 2,611,435, Sept. 23.

Jankel, Adolf: *See*—
Kress, Paul, and Jankel.

Jankowiak, Erwin M., assignor to The Dow Chemical Company, Midland, Mich. Stabilizing vinyl or vinylidene chloride-containing polymers. 2,604,459, July 22.

Jankowski, Herman, Liverpool, N. Y., assignor to General Electric Company. Selective signal transmission system. 2,611,025, Sept. 16.

Janness, William E.: *See*—
Lacy, Kenneth B., and Janness.

Jannlello, Anthony, assignee: *See*—
Belmonte, John.

Jannsen, Newman C., Seattle, Wash. Hydraulic transmitter mechanism. 2,615,305, Oct. 28.

Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Air circulation control. 2,600,297, June 10.

Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Arrangement for mounting heat transfer conduits. 2,612,351, Sept. 30.

Janos, Alfred G., Erie, Pa., and J. L. Knight, Bridgeport, Conn., assignors to General Electric Company. Defrost indicator for refrigerators. 2,618,934, Nov. 25.

Janoski, Edward J., assignor to Sun Oil Company, Philadelphia, Pa. Removing organic fluorides from hydrocarbons. 2,613,232, Oct. 7.

Janowski, Edward, Pawtucket, R. I. Venetian blind ladder tape. 2,618,330, Nov. 18.

Janowski, Edward, Pawtucket, R. I. Apparatus for the manufacture of Venetian blind ladder tape. 2,620,850, Dec. 9.

Janowski, Stephen L., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,612,973, Oct. 7.

Janquart, Fabian E.: *See*—
Martindale, Harvey E., and Janquart.

Jansen, Alexander B. A.: *See*—
Heilbron, Ian M., Weedon, Jones, Hems, and Jansen.

Jansen, Charles, Brooklyn, N. Y., assignor to Nelson J. Edge, Jersey City, N. J. Window construction. 2,610,370, Sept. 16.

Jansen, Frank A.: *See*—
Bridenbaugh, Paul K., and Jansen.

Jansen, Jacob E.: *See*—
Beears, Warren L., and Jansen.
Gregory, James T., and Jansen.
Gresham, Thomas L., and Jansen.

Jansen, Jacob E., Akron, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-mono-thiocarbamyl carboxylic acid compounds. 2,602,813, July 8.

Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of hydracrylamides by the aminolysis of beta-lactone polymers. 2,623,070, Dec. 23.

Jansen, Johannes J.: *See*—
Doba, Stephen, Jr., and Jansen.

Jansen, Marinus J., and H. J. Lemmens, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode for use in electron discharge tubes. 2,624,024, Dec. 30.

Jansen, Max P. J. M., assignor to N. V. Zuid-Nederlandsche Spiritusfabriek, Bergen op Zoom, Netherlands. Working up the waste liquor of fermentation industries in which molasses are used. 2,590,412, Mar. 25.

Jansen & Schaefer Incorporated, assignee: *See*—
Toepfer, Francis H., Luts, and Clindock.

Jansen, Willem J. B., Haarlem, Netherlands. Temperature measuring device. 2,581,796, Jan. 8.

Jansen, Willem J. B., Haarlem, Netherlands. Measuring apparatus having inverted pendulum indicator. 2,598,552, May 27.

Janser, Arthur M. J., and C. S. Townsend, London, England, assignors to H. Tevis, Monterey, Capetown, South Africa. Electrical apparatus. 2,590,323, Mar. 25.

Janson, Josef, Grundstadt/Pfalz, assignor to Pfälzische Chamotte- und Tonwerke (Schiffer und Kircher) A. G., Eisenberg/Pfalz, Germany. Construction of air and gas heater. 2,598,262, May 27.

Janssen, Emil H.: *See*—
McHale, Clifford B., and Janssen.

Janssen, Johannes M. L.: *See*—
Boerdijk, Arie H., and Janssen.

Janssen, Johannes M. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit. 2,611,093, Sept. 16.

Janssen, Johannes M. L., and L. Ensing, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiband oscillator. 2,617,035, Nov. 4.

Janssen, Peter J. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Television receiver. 2,591,264, Apr. 1.

Janssen, Peter J. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Regulated direct voltage power supply. 2,591,942, Apr. 8.

Janssen, Webster E., Bronxville, N. Y. Bed tray with illuminating means. 2,617,917, Nov. 11.

Janssen, William H., Schenectady, N. Y., assignor to General Electric Company. Transducer and making the same. 2,618,698, Nov. 18.

Janssens, Walter D.: *See*—
Vassel, Bruno, and Janssens.

Jansson, Edvin E.: *See*—
Sahlin, Börje, and Jansson.

Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker employing high and low intensity gas blast. 2,604,563, July 22.

Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker employing high and low intensity gas blast. 2,604,564, July 22.

Jansson, Janne W., Malung, Sweden. Quick-action type vise having pawl-locked slidable jaw. 2,620,694, Dec. 9.

Jansson, Karl E., and W. E. Ericsson, Karlskoga, Sweden. Shock controlled rotatable cartridge magazine for firearms. 2,615,369, Oct. 28.

Jantzen Knitting Mills Inc., assignee: *See*—
Christensen, Bette J.

Janvrin, Walter A., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Blocking oscillator. 2,605,424, July 29.

Japikse, Bertrand, Reiffton, Pa. Press guiding gib. 2,581,022, Jan. 1.

Japolsky, Nicholas S., London, assignor of seven-twentieths to A. O. Rankine, Hampton, England. Apparatus for transfer of heat in gaseous media. 2,602,306, July 8.

Jaquette, James W., and V. R., Santa Monica, Calif. Utility container. 2,606,652, Aug. 12.

Jaquette, Virginia R.: *See*—
Jaquette, James W., and V. R.

Jarabek, Florian, Cleveland, Ohio. Fish stringer. 2,599,057, June 3.

Jarbeau, Charles F., Dayton, assignor of one-half to F. E. Shankle, Mad River Township, Ohio. Beverage dispensing device. 2,613,988, Oct. 14.

Jarco Metal Products Company, assignee: *See*—
Busacco, Morris J.

Jardine, Donald J., Regina, Saskatchewan, Canada. Cutting device for severing a portion of tape unwound from a roll. 2,588,729, Mar. 11.

Jardines, S. Manuel A., Mayari, Cuba. Powder dispenser for brushes. 2,590,413, Mar. 25.

Jardon, Fritz, Prosthetic Laboratories, The, assignee: *See*—
Noelle, Conrad J.

Jardon, Fritz W., assignee: *See*—
Noelle, Conrad J.

Jardon, Fritz W., assignor to American Optical Company, Southbridge, Mass. Artificial eye and making same. 2,593,150, Apr. 15.

Jardon, Fritz W., Evanston, Ill., and R. W. Bennett, Michigan City, Ind., assignors to American Optical Company, Southbridge, Mass. Artificial eye. 2,603,791, July 22.

Jardon, Fritz, W., Charlton Depot, and R. W. Bennett, assignors to American Optical Company, Southbridge, Mass. Artificial eye. 2,603,792, July 22.

Jarman, Charles A.: *See*—
Brewer, Alan W., and Jarman.

Jarmann, Alfred, Jr., assignee: *See*—
McEnroe, William J., Jr.

Jarmann, Herman, Schodack Landing, N. Y. Electromagnetic operating mechanism for typewriters. 2,581,665, Jan. 8.

Jarmicki, Wincenty Z., assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Spool construction. 2,601,660, June 24.

Jarmin, James B., assignor to Servis Equipment Company, Dallas, Tex. Stalk shredder. 2,612,017, Sept. 30.

Jarmotz, Paul, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Balanced series loop sine wave oscillator. 2,589,816, Mar. 18.

Jaros, Stanley E.: *See*—
Gleason, Anthony H., and Jaros.

Jarrett, Edwin A., Suffern, N. Y. Alarm for locks. 2,623,939, Dec. 30.

Jarrett, George T.: *See*—
Serednicky, Paul, and Jarrett.

Jarrett, Jerry and H. C. Berggren, assignors to The National Dispenser Corp., San Francisco, Calif. Dispenser for viscous liquids and valve therefor. 2,613,016, Oct. 7.

Jarrett, John W., R. L. Tangeman, and M. B. Schmidt, Dayton, Ohio, assignors, by mesne assignments, to Loeffelholz Company, Milwaukee, Wis. Folding toilet. 2,611,134, Sept. 23.

Jarrett, Leon R., assignor of one-half to F. H. Alley, Nashville, Tenn. Rack. 2,600,298, June 10.

Jaruzn, assignee: *See*—
Sabes, Jenn.

Jarvi, Reino, Toronto, Ontario, Canada. Collapsible boat. 2,589,087, Mar. 11.

Jarvis, Adolphus, assignor to Grosvenor-Dale Company, Inc., Grosvenor-Dale, Thompson Township, Windham County, Conn. Loom. 2,613,693, Oct. 14.

Jarvis, Adolphus, assignor to Grosvenor-Dale Company, Inc., Grosvenor-Dale, Conn. Take-up mechanism for looms. 2,622,632, Dec. 23.

Jarvis & Jarvis, Inc., assignee: *See*—
Kostolecki, John F.

Jarvis, Kenneth W., Winnetka, Ill. Reflector oven. 2,580,925, Jan. 1.

Jarvis, Kenneth W., Winnetka, Ill. Tricoordinate radio direction finder. 2,586,342, Feb. 19.

Jarvis, Leonard H., assignee: *See*—
Kerr, Homer V.

Jarvis, Samuel F., and J. R. Burch, Schenectady, N. Y., assignors to General Electric Company. Self-aligning armature. 2,584,707, Feb. 5.

Jasco, Incorporated, assignee: *See*—
Sparks, William J., and Thomas.

Jaseph, Lawrence F.: *See*—
Harrison, John B., and Jaseph.

Jasik, Henry: *See*—
Alford, Andrew, and Jasik.

Jasion, Leo Z.: *See*—
McKay, John F., Yowell, and Jasion.
Swaney, Miller W., and Jasion.
Yowell, Howard L., McKay, and Jasion.

Jaskowiak, Peter S.: *See*—
Johnson, Gordon A., and Jaskowiak.

Jason, Peter: *See*—
Slavin, Edward J., and Jason.

Jasper, Cletus L., Knoxville, Tenn. Dirigible vehicle. 2,597,101, May 20.

Jasper, Cronje, Villa Park, and G. T. Hawk, Chicago, Ill. Duct rodding machine. 2,590,414, Mar. 25.

Jasper, Gabriel E., Plainfield, and L. M. Welch, Madison, N. J., assignors to Standard Oil Development Company. Mixed diluent system for copolymerization of styrene and isobutylene. 2,615,004, Oct. 21.

Jaspers, Alphonsus M. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Broad band-pass circuit arrangment. 2,613,268, Oct. 7.

Jasse, Joseph R., assignor to Societe Nouvelle des Etablissements Brandt, Paris, France. Projectile. 2,623,465, Dec. 30.

Jasta A. G., Jurich, assignee: *See*—
Staller, Jan.

Jastrzebski, Wincenty, Warsaw, Poland, vested in the Attorney General of the United States. Fluid operated power transmitter. 2,593,457, Apr. 22.

Jaubert, Georges F., Paris, France. Apparatus for cooling and dehydrating air. 2,622,414, Dec. 23.

Jauch, Max, Zurich, Switzerland. Appliance for cutting paper, cardboard, cloth, leather, and the like. 2,623,282, Dec. 30.

Jauch, Robert J., assignee: *See*—
Hinds, Sherwood.

Jauch, Robert J., Fort Wayne, S. Hinds, Columbia City, and F. W. Sturm, assignors to The Wayne Pump Company, Fort Wayne, Ind. Airport fueling mechanism. 2,600,876, June 17.

Jaworowski, Joseph F.: *See*—
Jaworowski, Norbert and J. F.

Jaworowski, Norbert, Lakewood, and J. F. Jaworowski, Cleveland, Ohio. Fishing apparatus. 2,603,429, July 15.

Jay, George, Lathrop, assignor, by mesne assignments, of one-quarter to C. H. Harmon, Stockton, and one-quarter to M. Frisk, Linden, Calif. Wire applying device for hay baling machines. 2,619,028, Nov. 25.

Jaynes, Edwin T., Garden City, N. Y., assignor to The Sperry Corporation. Coaxial line support. 2,603,707, July 15.

Jaynes, Edwin T., Washington, D. C., assignor to The Sperry Corporation. Radio receiving system. 2,583,573, Jan. 29.

Jaynes, Edwin T., Washington, D. C., assignor to The Sperry Corporation. Impedance measuring apparatus. 2,595,675, May 6.

Jean, Marcel C., Paris, J. Lelong, Rouen, and R. L. Laurent, Saint Hilaire, assignors to Societe Chimique de la Grande Paroisse, Azote et Produits Chimiques, Paris, France. Method of agglomeration. 2,623,243, Dec. 30.

Jean, Paul E., Montreal, assignor to Cereal Food Products Company, Quebec, Quebec, Canada. Cooked tubular alimentary composition. 2,615,809, Oct. 28.

Jeanes, Allene R., and C. A. Wilham, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Acylation of dextran in formamide. 2,587,623, Mar. 4.

Jeanlin, Pierre, assignor to Societe Le Teleampliphone, Paris, France. Two-way loud-speaker telephone installation. 2,623,949, Dec. 30.

Jeanneret, Herbert, Geneva, Switzerland. Winding indicator. 2,599,109, June 3.

Jebens, Raymond H., Wellsville, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Method and apparatus for stage kneading. 2,611,590, Sept. 23.

Jeckel, Norman C., Glen Falls, N. Y. Braided product and producing the same. 2,608,124, Aug. 26.

Jedlicka, Rose, administratrix, assignee: *See*—
Jedlicka, William.

Jedlicka, William, deceased, Garfield Heights, Ohio, R. Jedlicka, administratrix, assignor to herself individually. Outboard motor steering bar. 2,590,820, Mar. 25.

Jedrzykowski, Edmund, Chicago, Ill., assignor to International Harvester Company. Overload release coupling. 2,613,947, Oct. 14.

Jedvall, Gustaf I.: *See*—
Lindström, Dag V. L., and Jedvall.

Jeffers Electronics, Inc., assignee: *See*—
Herrick, George G.

Jefferson Chemical Company, Inc., assignee: *See*—
Agapetus, Napoleon A., Reese, and Scoville.
McClellan, Paul P.
Reese, Robert R.

Jefferson, Emmett, New York, N. Y. Fountain hairdressing comb. 2,603,223, July 15.

Jefferson Lake Sulphur Company, assignee: *See*—
Miller, Ernest B.

Jefferson, Louis H.: *See*—
Jack, John M., Webb, and Jefferson.

Jefferson Standard Broadcasting Company, assignee: *See*—
Tribble, William H.

Jeffery, David B., assignor to Amity Leather Products Co., West Bend, Wis. Combined billfold and coin purse. 2,613,716, Oct. 14.

Jeffery, Raymond L., Los Angeles, Calif. Collapsible tube closure. 2,592,806, Apr. 15.

Jeffree, John H., Cobham, England. Device for mixing fluids. 2,600,877, June 17.

Jeffrey, Alberta, executrix: *See*—
Jeffrey, Douglas C.

Jeffrey, Clarence L., Fairfield, Ill. Earth mover and loader. 2,597,496, May 20.

Jeffrey, Douglas C., deceased, by A. Jeffrey, executrix, Akron, assignor to National Gypsum Company, Buffalo, N. Y. Apparauts for stacking wallboard panels and the like. 2,607,501, Aug. 19.

Jeffrey, Douglas C., Jr., Quanah, Tex., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Web winding device. 2,620,993, Dec. 9.

Jeffrey, John E., Shelton, Wash., assignor to Atlas Powder Company, Wilmington, Del. Delay electric blasting cap. 2,609,752, Sept. 9.

Jeffrey Manufacturing Company, The, assignee: *See*—
Brake, Edgar R.
Chrystal, John.
Edmunds, Glenn E.
Flint, James A.
Knight, Lloyd K.
Lee, Arthur L.
Le Roy, Franklin J.
Mercier, Stanley M.
Moon, Sterling C.
Newton, William H.
Pearson, David, and Yarmak.
Russell, Glenn.
Smith, Frank P.
Steinmetz, Walter C.
Warsmith, Harry R.

Jeffrey, Max L., Hunting Valley, assignor to The National Acme Company, Cleveland, Ohio. Switch. 2,605,373, July 29.

Jeffrey, Max L., Hunting Valley, assignor to The National Acme Company, Cleveland, Ohio. Solenoid operated oscillating device. 2,617,951, Nov. 11.

Jeffrey, Max L., Shaker Heights, Ohio. Switch. 2,588,632, Mar. 11.

Jeffrey, Max L., Shaker Heights, Ohio. Soldering iron. 2,592,426, Apr. 8.

Jeffrey, Max L., Shaker Heights, Ohio. Snap action mechanism. 2,604,792, July 29.

Jeffrey, Max L., Shaker Heights, assignor to The National Acme Company, Cleveland, Ohio. Recorder. 2,617,706, Nov. 11.

Jeffrey, Montroy, Philadelphia, assignor to Textile Machine Works, Wyomissing, Pa. Full-fashioned knitting machine. 2,591,639, Apr. 1.

Jeffries, Claude M., and F. E. Scheig, Pampa, Tex. Rathole digger. 2,596,774, May 13.

Jeffries, Lloyd N.: *See*—
McNerny, Clyde F., Davidson, and Jeffries.

Jeffries, Samuel B., Jr.: *See*—
Dice, Henry K., Jeffries, and Hull.

Jehle, John A., Jr., Arden, Del., assignor to Socony-Vacuum Oil Company, Incorporated. Antifoamant composition. 2,622,066, Dec. 16.

Jehlicka, Josef, Seefeld, Austria. Atomizing device. 2,621,966, Dec. 16.

Jelaso, Abraham, Brooklyn, M. Wexler, New York, and M. Hertzberg, Brooklyn, N. Y. Child's garment with sounding novelty. 2,582,699, Jan. 15.

Jelinek, Arthur G., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Bis (p-chlorophenyl) mercaptole acetone and its miticidal activity. 2,580,550, Jan. 1.

Jellinek, Ernest, Schenectady, N. Y., assignor to General Electric Company. Photoelectric detector. 2,610,232, Sept. 9.

Jelinek, Jerry J., Milwaukee, Wis. Wire bending and clenching tool for hose clamps. 2,591,158, Apr. 1.

Jellinek, Curt, County of Glamorgan, Wales, now by judicial change of name C. M. Elliott. Suction hydroextractor. 2,597,801, May 20.

Jencick, Stephen, Chagrin Falls, Ohio. Diesel motor. 2,607,328, Aug. 19.

Jendrassik, George, Budapest, Hungary. Heat exchanger. 2,617,634, Nov. 11.

Jendrassik, George, Budapest, Hungary. Seal. 2,621,946, Dec. 16.

Jendrisak, Joseph E., Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mold for bending glass plates. 2,608,030, Aug. 26.

Jenesel, Nickolas D., Dearborn, W. R. Coleman, Grosse Pointe, and H. M. Crooks, Jr., assignors to Parke, Davis & Company, Detroit, Mich. Producing salts of d-Tubocurarine. 2,600,539, June 17.

Jenett, Caroline L. M., executrix: *See*—
Jenett, Henry, and Mittelmann.

Jenett, Henry, deceased, Montclair, N. J., and E. Mittelmann, Chicago, Ill.; C. L. M. Jenett, executrix of said H. Jenett, assignors to Selectronic Corporation. Dispersion method and apparatus. 2,620,172, Dec. 2.

Jenkins, Arthur P.: *See*—
Coote, Jack Howard, and Jenkins.

Jenkins, Barbara H., Warrenton, Va. Permanent size indicia for clothes and method. 2,621,501, Dec. 16.

Jenkins Bros., assignee: *See*—
Webb, James H.

Jenkins, Charles C., Los Angeles, Calif. Guide device for hand or electric drills. 2,622,458, Dec. 23.

Jenkins, Christina M., Malvern, Ohio. Permanently attaching commercial hair to live hair. 2,621,663, Dec. 16.

Jenkins, Colin N.: *See*—
Knewstubb, Norman W., and Jenkins.

Jenkins, Colin N., Sheldon, Birmingham, England, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Plate or die for pressing or molding. 2,606,855, Aug. 12.

Jenkins, David, Seattle, Wash. Divergent plate, link supported, mop pressure actuated mop wringer. 2,610,348, Sept. 16.

Jenkins, Edward A.: *See*—
Hageman, Aaron M., Jenkins, and Fraser.

Jenkins, Fred F., Lynwood, Calif., assignor to American Pipe and Construction Co. Pipe and making same. 2,596,490, May 13.

Jenkins, Frederick T., Seattle, Wash. Power hand truck. 2,608,258, Aug. 26.

Jenkins, George C., assignee: *See*—
Garwood, Robert E.

Jenkins, George F.: *See*—
Sheldon, Donald F., and Jenkins.

Jenkins, Gerald S., and C. C. Conway, Herrin, Ill., assignors, by mesne assignments, to said Jenkins. Inclined-railway safety car. 2,617,499, Nov. 11.

Jenkins, Gothern M., Doniphan, Mo. Automatic fishing device. 2,612,713, Oct. 7.

Jenkins, Howard M., Jr., Detroit, Mich., assignor to Montgomery Steel Products Corp., Birdsboro, Pa. Automobile grille guard. 2,604,348, July 22.

Jenkins, James M., Kannapolis, assignor of one-half to C. O. Plott, Concord, N. C. Shuttle box and shuttle for filling replenishing looms. 2,615,476, Oct. 28.

Jenkins, James N.: *See*—
Perrin, Tom S., and Jenkins.

Jenkins, John G., Seattle, and G. K. Barger, West Seattle, Wash., assignors to American Can Company, New York, N. Y. Apparatus for electrostatically coating articles. 2,608,176, Aug. 26.

Jenkins, John W.: *See*—
Fleming-Williams, Brian C., and Jenkins.

Jenkins, Merl C., assignor to Lodwick Aircraft Industries, Inc., Lakeland, Fla. Combination sofa and bed. 2,597,995, May 27.

Jenkins, Merl C., assignor to Lodwick Aircraft Industries, Inc., Lakeland, Fla. Hinge mechanism. 2,599,834, June 10.

Jenkins, Rulon E., *See*—
Bawden, Henry H., and Jenkins.

Jenkins, Seth P., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Spotfastening thin sheets. 2,620,552, Dec. 9.

Jenkins, Wallace A., Lakewood, assignor to The Atlas Manufacturing and Sales Company, Cleveland, Ohio. Portable vending machine. 2,584,708, Feb. 5.

Jenkins, William L.: *See*—
Seifried, Anton G., and Jenkins.

Jenks, Albert S., Danbury, Conn. Resiliently expansive window closure. 2,612,947, Oct. 7.

Jenks, Frederic A., Dedham, Mass., assignor to The Sperry Corporation. Tuner for high-frequency tubes. 2,623,194, Dec. 23.

Jenks, Harry N., Palo Alto, Calif. Mixing system. 2,589,261, Mar. 18.

Jenn, Louis J., Indianapolis, Ind. Ventilating and heating device. 2,615,383, Oct. 28.

Jenne, Kenneth C., assignor to Malleable Iron Fittings Company, Branford, Conn. Cable messenger clamping bracket. 2,590,415, Mar. 25.

Jennen, Jacob J., Antwerp, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Colored photographic layers. 2,611,698, Sept. 23.

Jennen, Jacob J., Antwerp, assignor to Gevaert Photo-Production N. V., Mortsel-Antwerp, Belgium. Production of color photographic images. 2,619,419, Nov. 25.

Jennen, Jacob J., assignor to Gevaert Photo-Producten N. V., Antwerp, Belgium. Light-sensitive photographic element. 2,620,273, Dec. 2.

Jennen, Jacob J., Antwerp, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Preparation of polymethine dyestuffs. 2,620,339, Dec. 2.

Jenner, A. & C., Limited, assignee: *See*—
Swift, Joseph.

Jenner, Edward L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of diacyl 1,3-amino alcohols and their hydrolyzed products, 1,3-aminb alcohols. 2,584,589, Feb. 5.

Jenness, Leslie G., assignor to The Trendex Co., Memphis, Tenn. Purifying solid saturated fatty acids containing unsaturated free fatty acids and other soluble impurities. 2,593,458, Apr. 22.

Jennett, Henry, assignee: *See*—
Mittelmann, Eugene.

Jennett, Lorne B., Toronto, assignor to Canada Cycle and Motor Company Limited, Weston, Ontario, Canada. Tendon protector. 2,617,207, Nov. 11.

Jennings, Albion H., and H. E. Sharman, Miami, Fla.; said Jennings assignor to said Sharman. Clamp for clamping concrete forms. 2,610,660, Sept. 16.

Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element. 2,606,835, Aug. 12.

Jennings, Charles W., Ballinger, Tex. Obstruction responsive root cutting plow. 2,614,476, Oct. 21.

Jennings, Douglas H., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Master tooling dock. 2,605,552, Aug. 5.

Jennings, George H., Cincinnati, Ohio, assignor Howes Leather Company, Inc., Boston, Mass. Apparatus for drying leather and other sheet material. 2,601,150, June 17.

Jennings, Harry C.: *See*—
Everest, Herbert A., and Jennings.

Jennings, Malbon H., Yonkers, N. Y. Apparatus for recording and reproducing electrical communication currents. 2,592,572, Apr. 15.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. High-temperature steel. 2,602,738, July 8.

Jennings, Richard V., Pickney, Mich. Snow or water ski device. 2,609,210, Sept. 2.

Jennings, Russell: *See*—
Bunch, Peter, Mittomme, and Jennings.

Jennings, Theron F., Smithshire, Ill. Wire fence tool. 2,598,563, May 27.

Jenny, Albert C., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Hydraulic starter. 2,608,966, Sept. 2.

Jenny, Dietrich A., Princeton, N. J., assignor to Radio Corporation of America. Color television reproduction tube. 2,581,487, Jan. 8.

Jenny, Dietrich A., Princeton, N. J., assignor to Radio Corporation of America. Color television picture tube. 2,611,099, Sept. 16.

Jenny, Dietrich A., Princeton, N. J., assignor to Radio Corporation of America. Secondary-emission electron discharge device. 2,622,218, Dec. 16.

Jenny, Frank J., New York, N. Y., and E. G. Scheibel, Montclair, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Producing oxygen. Re. 23,463, Feb. 26.

Jenny, Walter, Basel, and W. Kern, Sissach, Switzerland, assignors to Ciba Limited. Derivatives of bis-(1-amino-anthraquinone-6-sulfo)-piperazid. 2,585,555, Feb. 12.

Jenny, Walter, Reinach, near Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Vat dyestuffs. 2,610,194, Sept. 9.

Jenny, Walter, Reinach, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. 1-amido-6.7 dichloro anthraquinone dyestuffs. 2,614,108, Oct. 14.

Jenny, Walter, Reinach, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Alkyl sulfone derivatives of 1:4-diaroylamino 6:7-dichloro anthraquinones. 2,614,109, Oct. 14.

Jensen, Ange, Kenosha, Wis. Vehicle jack. 2,590,970, Apr. 1.

Jensen, Aage, Racine, Wis. Sanding head. 2,597,102, May 20.

Jensen, Amanda, assignee: *See*—
Jensen, Joseph M.

Jensen, Arthur: *See*—
Holm, Sven, and Jensen.

Jensen, Arthur, Minot, N. Dak. Beer can opener. 2,603,859, July 22.

Jensen, Arthur, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Layered element for heat transfer cores. 2,601,973, July 1.

Jensen, Arthur, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Uniformly positioned seals for regenerative heaters. 2,607,565, Aug. 19.

Jensen, Arthur S., Princeton, N. J., assignor to Radio Corporation of America. Barrier grid storage tube. 2,598,919, June 3.

Jensen, Elnar W.: *See*—
Hunter, Walter F., and Jensen.

Jensen, Ejler: *See*—
Sylvest, Karl J., and Jensen.

Jensen, Emil, Union Grove, Wis. Valve spring compressor. 2,586,050, Feb. 19.

Jensen, Emilie G., assignee: *See*—
Lewis, Henry E.

Jensen, Garold K., and J. Benveniste, U. S. Navy. Communication system. 2,580,431, Jan. 1.

Jensen, Garold K., United States Navy, C. M. Russell, Washington, D. C., and V. N. Smith, Oakland, Calif. Noise elimination system for pulse signal receivers. 2,597,870, May 27.

Jensen, Henry C., Floche, Nev. Depth controlled trolling rudder. 2,622,362, Dec. 23.

Jensen, Henry E., Chillum, Md., assignor to C & D Batteries, Inc., Conshohocken, Pa. Battery plate wrapping machine. 2,602,598, July 8.

Jensen, Herman G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,621,241, Dec. 9.

Jensen, Herman G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,622,144, Dec. 16.

Jensen, Homer: *See*—
Klnasse, James M., and Jensen.
Rumbaugh, Lynn H., Jensen, and Baisley.

Jensen, Homer, Philadelphia, Pa. Method and apparatus for conducting geophysical surveys. 2,598,697, June 3.

Jensen, Homer, Philadelphia, Pa. Method and apparatus for magnetic explorations. 2,598,698, June 3.

Jensen, Homer, Philadelphia, Pa. Method and apparatus for magnetic exploration. 2,611,802, Sept. 23.

Jensen, Homer, Philadelphia, Pa. Optical system for increasing the angle of view of aerial cameras. 2,622,495, Dec. 23.

Jensen, Hubert M., Inglewood, and H. K. Bouvier, Los Angeles, assignors, by mesne assignments, to Century Aircraft Co., Inglewood, Calif. Valve. 2,594,173, Apr. 22.

Jensen, Ivar N., Westport, and J. R. Eklund, Rockport, Calif. Saw chain. 2,608,222, Aug. 26.

Jensen, Jack H.: *See*—
Rust, David J., and Jensen.

Jensen, Jack H., and D. J. Rust, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. Fastening device. 2,587,853, Mar. 4.

Jensen, Jens W., Oroville, Wash. Quick-acting pipe wrench. 2,596,559, May 13.

Jensen, Joseph M., Oakland, Calif., assignor to A. Jensen, Oakland, Calif.; C. S. Wood, executor of said A. Jensen, deceased. Reclining chair. 2,616,483, Nov. 4.

Jensen, Kai A., assignor to Aktieselskabet "Ferrosan," Copenhagen, Denmark. 4-aryl-4-acyl-oxy-piperidines. 2,589,943, Mar. 18.

Jensen, Kai A., Copenhagen, Denmark, and K. G. Rosdahl, assignors to Aktiebolaget Ferrosan, Malmo, Sweden. N-alkyl aminosalicylamides. 2,608,580, Aug. 26.

Jensen, Lawrence A., Lake City, Fla. Lever action firearm. 2,606,383, Aug. 12.

Jensen, Lloyd B., Chicago, and W. R. Hess, Downers Grove, Ill., assignors, by mesne assignments, to Swift & Company. Treating liquid egg material. 2,593,308, Apr. 15.

Jensen, Louis, Chicago, Ill., assignor to Uarco Incorporated. Adapter for typewriters. 2,604,968, July 29.

Jensen, Raymond W.: *See*—
Crawford, James V., and Jensen.

Jensen, Raymond W., assignor to The Garrett Corporation, Los Angeles, Calif. Protected cooler. 2,610,831, Sept. 16.

Jensen, Raymond W., assignor to The Garrett Corporation, Los Angeles, Calif. Temperature controlled oil system. 2,614,575, Oct. 21.

Jensen-Salsbery Laboratories, Inc., assignee: *See*—
Sanders, Ellmore, F., and Mundell.

Jensen, Theron H., Cowley, Wyo. Beet harvester with lifter. 2,580,432, Jan. 1.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine Foundry Company. Loaf wrapping machine. 2,600,878, June 17.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine and Foundry Company. Self-leveling dispenser. 2,601,295, June 24.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. Registration device for wrapping machines. 2,611,224, Sept. 23.

Jensen, Vernon A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire cutter. 2,595,145, Apr. 29.

Jenson, Arthur H.: *See*—
Jenson, Jean S. and A. H.

Jenson, Jean S., Chicago, and A. H. Jenson, Evanston, Ill. Calculating and indicating device. 2,583,946, Jan. 29.

Jenson, Kenneth S., and W. N. Nelson, assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis. Support for oven burner assemblies. 2,600,656, June 17.

Jenson, Wilbur C., Grand Forks, N. Dak. Gear-operated crankcase drain plug wrench. 2,583,266, Jan. 22.

Jentsch, Fred P., Buffalo, N. Y. Block molding machine. 2,583,104, Jan. 22.

Jentz, Amos L.: *See*—
Hopkins, Harold E., and Jentz.

Jeoffroy, Roy, Amarillo, Tex. Clamp and reinforcing means for structural members. 2,617,346, Nov. 11.

Jepson, Alfred B.: *See*—
Cooper, James B., and Jepson.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Sprinkler. 2,591,073, Apr. 1.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Lawn mower. 2,597,735, May 20.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Comb guard for electric shavers. 2,608,756, Sept. 2.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Beater and bowl arrangement for mixers. 2,615,690, Oct. 28.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Sprinkler. 2,619,380, Nov. 25.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Sprinkler. 2,619,381, Nov. 25.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Sprinkler. 2,619,382, Nov. 25.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation. Chicago, Ill. Sprinkler. 2,619,383, Nov. 25.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation. Chicago, Ill. Sprinkler. 2,619,384, Nov. 25.

Jepson, Ivar, Oak Park, and L. J. Koci, Riverside, assignors to Sunbeam Corporation, Chicago, Ill. Antichatter switch device. 2,619,560, Nov. 25.

Jepson, Ivar, Oak Park, and L. J. Koci, Riverside, assignors to Sunbeam Corporation, Chicago, Ill. Convection heater. 2,619,578, Nov. 25.

Jepson, Percy, Oakland, Calif. Fat saver. 2,583,335, Jan. 22.

Jerdee, Mellvin D., Minneapolis, Minn. Combination seat, table, and benches. 2,618,314, Nov. 18.

Jergenson, George A., Santa Barbara, Calif., assignor to Pan American World Airways, Inc., New York, N. Y. Convertible seat and sleeping berth in aircraft. 2,608,366, Aug. 26.

Jerguson Gage & Valve Company, assignee: *See*—
van Ham, Ernest E.

Jermář, František, Prague, Czechoslovakia. Hydraulic gate or barrage. 2,592,287, Apr. 8.

Jermář, František, Prague, Czechoslovakia. Hydrostatic weir, gate, and the like. 2,598,389, May 27.

Jermář, František, Prague, Czechoslovakia. Hydraulic gate. 2,621,484, Dec. 16.

Jernakoff, Michael A., New York, N. Y., G. H. Batt, Elizabeth, and N. A. Sankowsky, Scotch Plains, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Production of pyrethrin concentrate from whole pyrethrum flowers. 2,587,478, Feb. 26.

Jerner, Oscar E., Turlock, Calif. Machine for forming the lower segment of inplace concrete pipe. 2,620,634, Dec. 9.

Jernstrom, Karl W., Verona, N. J., assignor to Seaboard Machinery Corp., New York, N. Y. Metal hatch pontoon. 2,582,436, Jan. 15.

Jernstrom, Karl W., Verona, N. J., assignor to Seaboard Machinery Corporation, New York, N. Y. Metal hatch pontoon. 2,605,866, Aug. 5.

Jerome, Arthur L.: *See*—
Pascoe, Frank T., and Jerome.

Jerome, Arthur L., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Coded track circuit signaling system with improved feed-back code circuits. 2,594,652, Apr. 29.

Jerome, Arthur L., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Code detecting means. 2,607,001, Aug. 12.

Jerome, Arthur L., Edgewood, L. V. Lewis, Pittsburgh, and F. T. Pascoe, Carnegie, Pa., assignors to Westinghouse Air Brake Company. Centralized traffic control system of the code type for the control of interlocked track switches and railway signals. 2,592,704, Apr. 15.

Jerome, Jack, Queens Village, assignor to N. H. Schwarz, Lynbrook, N. Y. Unloader valve. 2,621,598, Dec. 16.

Jerome, St. Clair L., Ancaster, Ontario, Canada. Ignition distributor drive for attachment to internal-combustion engine cam shafts. 2,618,165, Nov. 18.

Jerred, John H., assignee: *See*—
Martindale, Harvey E., and Janquart.

Jerrick, Joseph L., New Britain, Conn. Adjustable crossleg table. 2,581,023, Jan. 1.

Jersey Manufacturing Co., assignee: *See*—
Nelson, Robert C.

Jertson, James L., Milwaukee, Wis. Cash drawer or till tray. 2,594,653, Apr. 29.

Jesnig, Charles J., Florida Park, assignor to Package Devices, Inc., Philadelphia, Pa. Resilient cap and container closed thereby. 2,587,327, Feb. 26.

Jesnig, Charles J., Florida Park, assignor to Package Devices, Inc., Philadelphia, Pa. Container closure. 2,620,938, Dec. 9.

Jespersen, Aksel T., Estes Park, Colo. Fastening device for straps and the like. 2,595,264, May 6.

Jessee, Ralph D.: *See*—
Miner, John D., Jr., Austin, and Jessee.

Jessen, Christian C., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Glass color vehicle. 2,607,701, Aug. 19.

Jessen, Christian C., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Glass color composition and the vehicle therefor. 2,607,702, Aug. 19.

Jessen, Le Roy S., Dayton, Ohio. Automatic aerial target releasing device. 2,590,103, Mar. 25.

Jessen, Le Roy S., Fairborn, Ohio. Aerial pickup and release device. 2,613,921, Oct. 14.

Jessen, Preben, Ridgefield Park, N. J. Device for loading and unloading industrial trucks. 2,619,241, Nov. 25.

Jesser, Albert E.: *See*—
McCrery, Harold E., and Jesser.

Jessop, Frank W., Cleveland Heights, Ohio. Adjustable shore. 2,617,620, Nov. 11.

Jessop, Steven W.: *See*—
McCaul, Edward W., and Jessop.

Jessup, Alfred C., assignor to Magnesium Elektron Limited, Clifton Junction, near Manchester, England. Magnesium base alloys. 2,604,396, July 22.

Jessup, James L., Detroit, assignor to Colonial Broach Company, Warren Township, Mich. Helical spline grinding machine. 2,596,814, May 13.

Jessup, Raymond W., San Diego, Calif. Window screen and frame. 2,621,729, Dec. 16.

Jessup, Richard O.: *See*—
Mahoff, George A., and Jessup.

Jeter, Edgar C., G. G. Murie, and G. Pascoe, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Core dipping and centrifuging apparatus and dipping cores. 2,617,163, Nov. 11.

Jeter, Killis W., Sr., assignee: *See*—
Shreffler, Vivian A. D.

Jet-Heet, Inc., assignee: *See*—
MacCracken, Calvin D.
MacCracken, Calvin D., and Wood.

Jet Shaft Seals, Inc., assignee: *See*—
Summers, Orran B.

Jett, Carl O., Omaha, Nebr., and D. L. Wylie, Portland, Oreg. Train approach indicator. 2,587,164, Feb. 26.

Jette, Louis, Shawinigan Falls, Quebec, Canada. Luggage carrier for bicycles. 2,589,497, Mar. 18.

Jetter, Frederick J.: *See*—
Bebry, Peter P., and Jetter.

Jewell, Arthur W., assignee: *See*—
Jewell, Victor E.

Jewell, Erma P., executrix: *See*—
Jewell, Victor E.

Jewell, Joseph W., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Recovery of powdered catalyst. 2,615,785, Oct. 28.

Jewell, Raymond L., assignor to American Sterilizer Company, Erie, Pa. Draw-off cock and temperature compensated conductivity cell for distilled water. 2,621,235, Dec. 9.

Jewell, Raymond L., and C. E. Freese, assignors to American Sterilizer Company, Erie, Pa. Sterilizer. 2,592,705, Apr. 15.

Jewell, Raymond L., and G. J. Dyckes, assignors to American Sterilizer Company, Erie, Pa. Sterilizer. 2,613,130, Oct. 7.

Jewell, Victor A., assignee: *See*—
Jewell, Victor E.

Jewell, Victor E., deceased, assignor of ten per cent to V. A. Jewell, ten per cent to A. W. Jewell, twenty-five per cent to P. A. Thompson and ten per cent to B. E. Sparks, Forest Grove, Oreg.; E. P. Jewell, executrix. Multiple motor, hydraulic differential drive. 2,619,799, Dec. 2.

Jewell, William R., Erie, Pa., assignor to General Electric Company. Drip tray guide wire and stop arrangement. 2,582,038, Jan. 8.

Jewett, Deane N., assignor to Detroit Hardware Manufacturing Company, Detroit, Mich. Thumb turn device for closure locks. 2,616,738, Nov. 4.

Jewett, Deane N. and R. S., assignors to Detroit Hardware Manufacturing Company, Detroit, Mich. Closure lock mounting arrangement. 2,601,775, July 1.

Jewett, Eugene L., Maitland, assignor to Blairs Braces, Inc., Orlando, Fla. Surgical brace. 2,582,930, Jan. 15.

Jewett, Maurice G., Milwaukee, and B. E. Sivyer, Whitefish Bay, assignors to Chian Belt Company, Milwaukee, Wis. Conveyer flight. 2,580,786, Jan. 1.

Jewett, Nelson J., deceased, Arlington County, Va.: J. W. Jackson, executor and trustee. Keyboard for musical instruments and keys therefor. 2,599,999, June 10.

Jewett, Richard S.: *See*—
Jewett, Deane N. and R. S.

Jewett & Sherman Company, assignee: *See*—
Stiehm, Glen W.

Jezek, Henry J., Eddy, Tex. Front tractor tire. 2,586,051, Feb. 19.

Jezek, Louis F., Temple, Tex. Wheel alignment device. 2,618,862, Nov. 25.

Jezerski, Stephen L., New Britain, Conn. Fishing lure. 2,603,901, July 22.

Jezewski, Mieczyslaw and L. Szklarski, Krakow, Poland, assignors to M. Brokman, New York, and W. Szukiewicz, Forest Hills, N. Y. Electromagnetic testing device for steel ropes. 2,582,437, Jan. 15.

Jezler, Hubert, Zurich, Switzerland. Motorcar with parking device. 2,612,230, Sept. 30.

Jiffy Manufacturing Company, assignee: *See*—
Gerard, George A.

Jillson, Lyman W.: *See*—
Schubring, Arthur C., and Jillson.

Jindřich, Václav, Melnik, near Prague, Czechoslovakia. Hammer mill with adjustable grater. 2,597,333, May 20.

Jinman, Charles H.: *See*—
Lloyd, Arthur H., and Jinman.

Jinks, Charles A., assignor of one-half to H. M. Muir, San Diego, Calif. Ash tray. 2,598,175, May 27.

Jirouch, Augustine V., London, England. Film splicing apparatus. 2,621,706, Dec. 16.

Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Curved platen printing press. 2,602,396, July 8.

Jirsa, Emil F., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Fluid seal assembly. 2,611,671, Sept. 23

Jirsa, Emil F., M. Hansen, and C. W. Bopp, Waterloo, Iowa, assignors to Deere Manufacturing Co. Speed control valve for hydraulic mechanism. 2,592,906, Apr. 15.

Jitomir, Bernard, Brooklyn, assignor to Howard Curtain Co., Inc., New York, N. Y. Draping means for curtains. 2,622,675, Dec. 23.

Joa, Curt G., Sheboygan Falls, Wis. Cellulose pad machine. 2,591,359, Apr. 1.

Joa, Curt G., Sheboygan Falls, Wis. Bat forming apparatus and method. 2,618,816, Nov. 25.

Job, François, Paris, France. Fault signaling system for amplifier circuits. 2,605,333, July 29.

Jobbins, William F., Incorporated, assignee: *See*—
Willmore, Charles B.

Jobe, John R., Houston, Tex. Pipe cutter. 2,594,654, Apr. 29.

Jobe, Herman T., Downey, Calif., assignor to American Pipe and Construction Co. Pipe mold. 2,623,260, Dec. 30.

Jobling, James A., and Company Limited, assignee: *See*—
Everett, Samuel J.
Jobling-Purser, Ernest J., Cox, Kirby, and Murdoch.

Jobling-Purser, Ernest J., Sunderland, S. M. Cox, Durham, P. L. Kirby, and K. A. Murdoch, assignors to James A. Jobling and Company Limited, Sunderland, England. Fabricating multicomponent glass articles. 2,620,598, Dec. 9.

Jochem, Theodore B.: *See*—
Hansen, Kenneth R., and Jochem.

Jockers, Harry W., and Harry W. Jockers, Jr., Philadelphia, Pa. Paint applying device. 2,620,498, Dec. 9.

Jockers, Harry W., Jr.: *See*—
Jockers, Harry W., and Harry W. Jockers, Jr.

Joel, Amos E., Jr.: *See*—
Flint, Erion W., Hague, Joel, and Rippere.

Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sorting device. 2,590,625, Mar. 25.

Joerndt, Wilbur A., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Ruggedized klystron tube. 2,614,233, Oct. 14.

Joesting, Harry F., assignee: *See*—
Le Claire, Eugene J., and Heinsman.

Jofeh, Lionel: *See*—
Bedford, Leslie H., and Jofeh.

Johanek, George J., assignor to General Railway Signal Company, Rochester, N. Y. Switch control for trailable track switches. 2,604,581, July 22.

Johanna-Western Mills Company, assignee: *See*—
Bielbtreu, Hermann.

Johannes, Erich H. L., Audubon, assignor to Campbell Soup Company, Camden, N. J. Trap tank. 2,600,299, June 10.

Johannesburg, Wilber: *See*—
Irby, James W., and Johannesburg.

Johanning, Henry H., Sheboygan Falls, Wis. Barn gutter cleaner. 2,582,335, Jan. 15.

Johannson, Oscar K., assignor to Corning Glass Works, Corning, N. Y. Organosiloxane films. 2,620,317, Dec. 2.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Crankshaft bearing assembly. Re. 23,513, June 24.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Adjusting mechanism for metal drawing presses. 2,592,152, Apr. 8.

Johansen, Erling: *See*—
Magnussen, Herman A., and Johansen.

Johansen, Gordon W., and W. E. Copley, Modesto, said Copley assignor of one-tenth to J. J. Lebeda and four-tenths to W. A. Yocom, Atwater, Calif. Reversible drive mechanism. 2,599,058, June 3.

Johansen, Harry C., Michigan City, Ind., assignor to Joy Manufacturing Company. Chuck mechanism. 2,594,028, Apr. 22.

Johansen, Harry C., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,617,630, Nov. 11.

Johansen, Jens, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for feeding materials at constant ratios. 2,623,658, Dec. 30.

Johansen, Leonard D., Roseburg, Oreg. Apparatus for use with follow-up mailing systems. 2,602,450, July 8.

Johansen, Roy W.: *See*—
Strehlow, Walter F., O'Harrow, and Johansen.

Johanson, Elof, deceased, Chicago, Ill., by T. D. Nash, administrator, Chicago, Ill. Can-opening device. 2,588,244, Mar. 4.

Johanson, Erik, B. Bergvall, and U. Alfredsson, Jonkoping, assignors to A B Svenska Flaktfabriken, Stockholm, Sweden. Device for separating sheetlike materials. 2,610,574, Nov. 4.

Johanson, John E.: *See*—
Polydoroff, Wladimir J., and Johanson.

Johansson, Axel B.: *See*—
Nejedly, Peter M., and Johansson.

Johansson, Carl E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Freight car construction. Re. 23,585, Nov. 18.

Johansson, Carl E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Freight car construction. 2,602,405, July 8.

Johansson, Erik, B. Bergvall, and U. Alfredsson, Jonkoping, assignors to A B Svenska Flaktfabriken, Stockholm, Sweden. Mechanism for separating sheetlike materials. 2,611,471, Sept. 23.

Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Electrical diatribution box. 2,583,105, Jan. 22.

Johansson, Ida M., Deje, Sweden. Letter sheet. 2,580,386, Jan. 1.

Johansson, John O. E., assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Measuring device. 2,607,125, Aug. 19.

Johansson, Karl-Erik G., Lindesby, Lindesberg, Sweden. Locking device. 2,620,212, Dec. 2.

Johansson, Zern A. E.: *See*—
Redin, Eric G., Olander, and Johansson.

John, Albert J., Cicero, Ill. Fish stringer. 2,604,243, July 22.

John, David H. O., Hornchurch, and G. T. J. Field, London, assignors to May & Baker Limited, Dagenham, England. Silver halide developer containing 2-(β-hydroxyethyl) aminophenol and p-hydroxyphenylamino acetic acid. 2,610,122, Sept. 9.

Johneas, Paul, Bellerose, N. Y. Steam generator. 2,622,184, Dec. 16.

Johner, Hans: *See*—
Schmid, Max, Danuser, Johner, Moser, and Wuergler.

Johns, Francis J., and H. J. Owens, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Construction of dynamoelectric machines. 2,610,992, Sept. 16.

Johns, Henry S. and W. H., Cleveland Heights, Ohio. Bowling alley sweeper mechanism. 2,591,265, Apr. 1.

Johns, Henry S., Cleveland Heights, and W. H. Johns, Gates Mills, Ohio. Photoelectric cell control for bowling alleys. 2,613,933, Oct. 14.

Johns-Manville Corporation, assignee: *See*—
Badollet, Marion S., and Streib.
Clarvoe, George W.
Daum, Harold, and Rugen.
Farrell, Edward A.
Greiner, Norman S.
Halstead, Ralph T., de Gaugue, and Lombardy.
Holcomb, Harry E.
Honnig, Roland W.
Honnig, Roland W., and Hawthorne.
Miles, William S.
Modigliani, Piero.
Parry, Robert E.
Powell, Edward R.
Shippee, Edgar D.
Simmers, Charles D.
Stafford, William L.
Zettel, Joseph H.

Johns, Stanley S., Baltimore, Md., assignor to Rheem Manufacturing Company, Richmond, Calif. Self-sealing test plug. 2,581,536, Jan. 8.

Johns, Stanley S., Baltimore, Md. Open socket wrench having oscillatable pawl. 2,602,362, July 8.

Johns, Stanley S., Baltimore, Md., assignor to Rheem Manufacturing Company, Richmond, Calif. Automatic barrel handling device for horn presses. 2,613,823, Oct. 14.

Johns, Stanley S., Baltimore, Md., and W. Funk, Houston, Tex., assignors to Rheem Manufacturing Company, Richmond, Calif. Apparatus for processing surfaces of tubular articles such as steel drums and the like. 2,613,634, Oct. 14.

Johns, Stuart O., Parkville, Victoria, Australia. Flushing valve. 2,620,826, Dec. 9.

Johns, William H.: *See*—
Johns, Henry S. and W. H.

Johnsen, Clement C.: *See*—
Johnsen, Clement F. and C. C.

Johnsen, Clement F., Santa Monica, Calif., and C. C. Johnsen; said C. F. Johnsen assignor to R. C. Johnsen, Phoenix, Ariz. Machine for packing buns and the like in cartons. 2,609,645, Sept. 9.

Johnsen, John H., Hammond, Ind., and N. H. Snyder, Jr., San Antonio, Tex., assignors to Standard Oil Company, Chicago, Ill. Grid seal for fluidized solids contacting systems. 2,595,384, May 6.

Johnsen, Roy C., assignee: *See*—
Johnsen, Clement F. and C. C.

Johnsen, Vernon L.: *See*—
Babcock, Glen E., Johnsen, and Smith.

Johnson, Agnar, assignor to Atwood Vacuum Machine Company, Rockford, Ill. Ball bearing slide structure. 2,622,940, Dec. 23.

Johnson, Albert A., Hoxie, R. I., assignor to Anson Incorporated. Tie holder or the like. 2,599,921, June 10.

Johnson, Albert C., assignor to The Louden Machinery Company, Fairfield, Iowa. Air hay-drying apparatus and making same. 2,590,416, Mar. 25.

Johnson, Albert F., assignee: *See*—
Sargent, Albert F.

Johnson, Albert R., Springfield, Mass. Outside cover for cabinets and other objects. 2,589,699, Mar. 18.

Johnson, Albin B., Hutchinson, Kans. Surface pipe bracing and centering means. 2,584,022, Jan. 29.

Johnson, Alden O.: *See*—
Johnson, Gordon C., and A. O.

Johnson, Alfred C.: *See*—
Miller, William J., and Johnson.

Johnson, Andrew G., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Multiple valve body. 2,588,983, Mar. 11.

Johnson, Andrew G., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Relief valve. 2,611,390, Sept. 23.

Johnson, Andrew H., Shreveport, La. House marker. 2,597,003, May 20.

Johnson, Andrew X., Milaca, Minn. Convertible scooter. 2,615,722, Oct. 28.

Johnson, Anna B., Colorado Springs, Colo. Sanitary and safe baby teething device. 2,595,462, May 6.

Johnson, Ardell W., Kaloma, Iowa. Hay tool. 2,623,772, Dec. 30.

Johnson, Arne B., assignor to Hankscraft Company, Madison, Wis. Bottle warmer. 2,582,781, Jan. 15.

Johnson, Arnold R., Underwood, N. Dak. Spring tension grinding machine. 2,601,749, July 1.

Johnson, Arthur, and J. B. Speakman, Leeds, assignors to Alginate Industries Limited, Maidenhead, England. Textile fabric. 2,592,153, Apr. 8.

Johnson, Arthur, and J. B. Speakman, Leeds, assignors to Alginate Industries Limited, Maidenhead, England. Cellulosic textile fabric. 2,592,154, Apr. 8.

Johnson, Arthur, Leeds, and E. G. Millatt, Maidenhead, assignors to Alginate Industries Limited, London, England. Forming paper from modified calcium alginate fibers. 2,600,504, June 17.

Johnson, Arthur A., Bridgeport, Conn., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon supply control for manifolding typewriters. 2,623,623, Dec. 30.

Johnson, Arthur A., trustee, assignee: *See*—
Leonard, George H.

Johnson, Arthur B., Orinda, and D. H. Condit, Lafayette, assignors to California Research Corporation, San Francisco, Calif. Removal of carbonyl sulfide from liquefied petroleum gas. 2,594,311, Apr. 29.

Johnson, Arthur C., H. B. Collins, and O. H. Johnson, Breedsville, Mich.; said A. C. Johnson and said O. H. Johnson assignors to said Collins. Dispensing reel for fishing leaders and the like. 2,585,327, Feb. 12.

Johnson, Arthur E., assignor of forty one-hundredths to D. K. S. Johnson, St. Louis, Mo. Spring supported chair. 2,586,951, Feb. 26.

Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Purification of alumina-containing materials. 2,587,328, Feb. 26.

Johnson, Arthur H., assignor to Hawley Products Company, St. Charles, Ill. Acoustic diaphragm. 2,582,130, Jan. 8.

Johnson, Arthur J., New Orleans, La. Lawn trimming attachment for lawn mowers. 2,602,277, July 8.

Johnson, Arthur L., Roselle Park, N. J. Electric soldering iron. 2,588,531, Mar. 11.

Johnson, Arthur W.: *See*—
Bowen, Earl M., and Johnson.

Johnson, Bayard S.: *See*—
Hausmann, George J., Johnson, and McDermott.

Johnson, Berd L., Billings, Mont. Roughing and finishing tool. 2,611,222, Sept. 23.

Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Refrigerator construction. 2,602,305, July 8.

Johnson, Bertil L., Chaska, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,620,413, Dec. 2.

Johnson Biscuit Company, assignee: *See*—
Watson, Nathan J.
Watson, Nathan J., and Steingraber.

Johnson, Burt P.: *See*—
Potter, Loren D., and Johnson.

Johnson, C. S., Company, The, assignee: *See*—
Martinson, Edwin O.

Johnson, Carl A. P., North Quincy, and A. T. Morrison, South Braintree, assignors to S. H. Conch Company, Inc., North Quincy, Mass. Electrical apparatus. 2,581,861, Jan. 8.

Johnson, Carl E.: *See*—
Wolff, William F., and Johnson.

Johnson, Carl E., Idaho Falls, Idaho. Potato viner. 2,601,855, July 1.

Johnson, Carl E., Lincoln Park, Mich. Circular saw machine for multiple grooving. 2,616,459, Nov. 4.

Johnson, Carl E., Verona, assignor to Scaife Company, Oakmont, Pa. Pressure vessel. 2,613,462, Oct. 14.

Johnson, Carl E., Westchester, assignor to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,609,344, Sept. 2.

Johnson, Carl E., Westchester, assignor to National Aluminate Corporation, Chicago, Ill. Soot remover. 2,622,671, Dec. 23.

Johnson, Carl E., Griffith, and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Desulfurizing hydrocarbons using a mixture of boron trifluoride and an alkane sulfonic acid as reagent. 2,602,770, July 8.

Johnson, Carl G.: *See*—
Kenney, Mahlon W., and Johnson.

Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,594,563, Apr. 29.

Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,614,847, Oct. 21.

Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,616,704, Nov. 4.

Johnson, Carl G. A., Jr., assignor to The Ohio Brass Company, Mansfield, Ohio. Reciprocating valve. 2,585,556, Feb. 12.

Johnson, Carl H.: *See*—
Erickson, Carl J., and Johnson.

Johnson, Carl J., assignee: *See*—
Tincher, Chester A.

Johnson, Carl V.: *See*—
Doyle, Irving W., and Johnson.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Headrest. 2,586,952, Feb. 26.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Auxiliary seat support for use with dental chairs. 2,596,561, May 13.

Johnson, Cecil M., assignor to Fisher Governor Company, Marshalltown, Iowa. Pneumatic reverse acting relay. 2,618,286, Nov. 18.

Johnson, Charles E., Dennis, Mass. Trap and escutcheon. 2,615,527, Oct. 28.

Johnson, Charles E., assignor to Johnson Products Inc., Muskegon, Mich. Oil supply for hydraulic tappets. 2,595,583, May 6.

Johnson, Charles E., and G. O. Johnson, Portland, Oreg. Gaff hook. 2,584,881, Feb. 5.

Johnson, Charles E., G. Haraden, and R. F. McCammon, assignors to Helland Research Corporation, Denver, Colo. Flash synchronizer for cameras. 2,614,467, Oct. 21.

Johnson, Charles F., Houston, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo. Reading device for core orienting equipment. 2,594,029, Apr. 22.

Johnson, Charles J., assignor of one-half to F. E. King, Sacramento, Calif. Power-operated disinfecting pruning shears. 2,600,540, June 17.

Johnson, Charles L., assignee: *See*—
Creasey, Amy C.

Johnson, Charles R.: *See*—
Dauber, Adolph F. and G., and Johnson.

Johnson, Charles R., Los Angeles, Calif. Fountain paintbrush. 2,609,558, Sept. 9.

Johnson, Charles R. L., Woodward, Okla. Telescoping pull-out slde for trailers. 2,606,057, Aug. 5.

Johnson, Charles S., assignee: *See*—
Sargent, Albert F.

Johnson, Charles W., Cedar Rapids, Iowa. Heater for stock watering tanks. 2,617,407, Nov. 11.

Johnson, Charley E., and G. C. Bratland, Yamhill, Oreg. Tire removing apparatus with circumferentially distributed bead engaging members. 2,580,926, Jan. 1.

Johnson, Charley H., Tulsa, Okla. Combined wall lamp and shelf. 2,593,886, Apr. 22.

Johnson, Chester F., Los Angeles, Calif. Counterbore cutter for boltholes in concrete. 2,583,429, Jan. 22.

Johnson, Christopher L.: *See*—
Haworth, Lionel, and Johnson.

Johnson, Clair F., Minneapolis, Minn. Lamp shade frame having a removable cover. 2,585,248, Feb. 12.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine tool control. 2,585,328, Feb. 12.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine tool movement control. 2,585,329, Feb. 12.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine tool control. 2,593,310, Apr. 15.

Johnson, Clarence, Orfordville, Wis., assignor, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Machine tool control. 2,602,363, July 8.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Follow-up pressure fluid servomotor. 2,600,777, June 17.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Linkage connector. 2,615,738, Oct. 28.

Johnson, Cleon R., Ridgewood, N. J. Vulcanizing rubber with sulfur. 2,623,079, Dec. 23.

Johnson, Clyde W., Islington, Mass., assignor, by mesne assignments, to A. B. Dick Company, Niles, Ill. Sheet delivery device for rotary printing machines. 2,590,179, Mar. 25.

Johnson, Curtis W., Minneapolis, Minn. Parallel panes. 2,581,666, Jan. 8.

Johnson, Curtiss D., and T. R. Heyck, Houston, Tex. Adjustably timed control mechanism. 2,606,609, Aug. 12.

Johnson, Del O.: *See*—
Hansley, Guy P., and Johnson.

Johnson, Dollace M.: *See*—
Johnson, William H. and D. M.

Johnson, Dorothy K. S., assignee: *See*—
Johnson, Arthur E.

Johnson, Douglas, Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubrication apparatus. 2,617,495, Nov. 11.

Johnson, Earl B., Freehold, N. J. Automatic heating system for drinking fountains. 2,593,459, Apr. 22.

Johnson, Earl R.: *See*—
Cardwell, Harland W., and Johnson.

Johnson, Earl R., Wichita, Kans. Dishwashing machine. 2,599,110, June 3.

Johnson, Edward A., Taunton, Mass. Cravat holder. 2,592,155, Apr. 8.

Johnson, Edward D., assignor to Wagner Electric Corporation, St. Louis, Mo. Throttle control device. 2,613,648, Oct. 14.

Johnson, Edward H., assignor to The Keelavite Company Limited, Coventry, England. Rotary pump. 2,604,051, July 22.

Johnson, Edward O.: *See*—
Malter, Louis, and Johnson.
Webster, William M., Johnson, and Malter.

Johnson, Edward O., Princeton, N. J., assignor to Radio Corporation of America. Pulse energized gas tube circuit. 2,591,824, Apr. 8.

Johnson, Edward O., Princeton, N. J., assignor to Radio Corporation of America. Transducer. 2,602,906, July 8.

Johnson, Edward O., Princeton, N. J., assignor to Radio Corporation of America. Gaseous electron tube circuits. 2,619,622, Nov. 25.

Johnson, Edward O., and W. M. Webster, Jr., Princeton, N. J., assignors to Radio Corporation of America. Gas tube circuit. 2,591,825, Apr. 8.

Johnson, Edward P., West Haven, and F. E. Runge, Branford, assignors to The Soundscriber Corporation, New Haven, Conn. Protective groove dictating apparatus. 2,584,464, Feb. 5.

Johnson, Edward R.: *See*—
Kahle, Walter R., and Johnson.

Johnson, Edward W.: *See*—
Lehane, Timothy J., and Johnson.

Johnson, Edwin A., Washington, D. C. High-frequency radio apparatus. 2,590,864, Apr. 1.

Johnson, Edwin J., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Adjustable tie rod. 2,584,709, Feb. 5.

Johnson, Edwin L., and E. J. Scofield, Ottawa, Kans. Live bait container. 2,597,002, May 20.

Johnson, Elmer, Shelbyville, Ind. Lathe stock feeder. 2,623,268, Dec. 30.

Johnson, Elmer C., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottle dispensing apparatus. 2,585,011, Feb. 12.

Johnson, Elmer C., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottle dispensing apparatus. 2,585,012, Feb. 12.

Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill. Photographic microrecording apparatus. 2,615,365, Oct. 28.

Johnson, Emil T.: *See*—
Cryor, Robert E., and Johnson.

Johnson, Ernest A., Duluth, Minn. Window ventilator. 2,614,479, Oct. 21.

Johnson, Ernest E., McKeesport, and H. A. Siefen, Dravosburg, Pa. Dimensional tolerance gauge. 2,599,835, June 10.

Johnson, Ernest H., and A. C. Lindmark, Bridgeport, Conn., assignors to The Bullard Company. Tapping attachment. 2,615,183, Oct. 28.

Johnson, Ernest W.: *See*—
Church, James M., and Johnson.
Church, James M., Johnson, and Ramsden.
Durbin, Vernon, and Johnson.

Johnson, Ernest W., Everett, assignor to Transducer Corporation, Boston, Mass. System and apparatus for controlling the supply of power to electric motors. 2,588,633, Mar. 11.

Johnson, Ernest W., Mountainside, N. J. Device for evacuating and filling vessels by means of pressure. 2,596,500, May 13.

Johnson, Ernest W., Mountainside, and J. M. Church, Tenafly, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Making organotin halides. 2,599,557, June 10.

Johnson, Ernest W., Mountainside, and J. M. Church, Tenafly, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Making organotin compounds. 2,608,567, Aug. 26.

Johnson, Errold J., Osseo, Minn. Automatic clutch mechanism. 2,607,312, Aug. 19.

Johnson, Ervin G., Oakland, Calif. Time system. 2,617,245, Nov. 11.

Johnson Fare Box Company, assignee: *See*—
Damon, Robert H., Forester, and Sturrock.
Downey, Clement L.
Forester, Harold E.
Nalim, Eugene A.

Johnson, Fletcher S., London, England. Display device. 2,618,890, Nov. 18.

Johnson, Floyd D., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective system for series capacitors. 2,584,710, Feb. 5.

Johnson, Francis B., and G. A. Starlenf, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft tank assembly and supporting means for the same. 2,613,715, Oct. 14.

Johnson, Frank B.: *See*—
Moise, James E., Anderson, and Johnson.

Johnson, Frank E., assignee: *See*—
Tincher, Chester A.

Johnson, Frank E., Abington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Key holder frame. 2,608,087, Aug. 26.

Johnson, Frank E., Abington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Key holder frame. 2,608,088, Aug. 26.

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener. 2,585,897, Feb. 12.

Johnson, Franklin D., Battle Creek, Mich. Hand brush for tenderizing meat. 2,594,174, Apr. 22.

Johnson, Francois C., Strensall, England. Apparatus for percolating coffee. 2,601,821, July 1.

Johnson, Fred L., Sheboygan, Wis., assignor to Reiss Manufacturing Corporation, Wilmington, Del. Shaper dust hood. 2,604,129, July 22.

Johnson, Fred J., F. J. Johnson, Jr., and R. L. Johnson, assignors to The Kinex Company, Needham Heights, Mass. Screw-tightening caps on jars by frictional pressure which diminishes as tightening proceeds. 2,596,408, May 13.

Johnson, Fred J., Jr.: *See*—
Johnson, Fred J., F. J., Jr., and R. L.

Johnson, Fred P., Raeford, N. C. Material storage and handling apparatus. 2,587,854, Mar. 4.

Johnson, Fred R., Kansas City, Mo. Safety device for hydraulic brakes. 2,615,760, Oct. 28.

Johnson, Frederick C., Michigan City, Ind. Retaining means for electrical outlet boxes. 2,593,033, Apr. 15.

Johnson, Frederick O., Birmingham, Mich. Cutoff mechanism. 2,586,052, Feb. 19.

Johnson, Frederick O., Birmingham, Mich. Dispensing machine. 2,593,151, Apr. 15.

Johnson, Frithiof V., Scotia, and F. R. Fowler, Ballston Lake, N. Y., assignors to General Electric Company. Floated gyroscope. 2,618,159, Nov. 18.

Johnson Gage Company, The, assignee: *See*—
Johnson, Paul W.
Johnson, Stanley G.

Johnson, George, Los Angeles, Calif. Cushion door stop. 2,602,182, July 8.

Johnson, George D.: *See*—
Soreng, Edgar M., Fisher, and Johnson.

Johnson, George L., Chicago, Ill. Smoker's mouthpiece. 2,598,059, May 27.

Johnson, George O.: *See*—
Johnson, Charles E. and G. O.

Johnson, George P., Watertown, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Drain hose. 2,622,900, Dec. 23.

Johnson, George S., assignor to Keller Tool Company, Grand Haven, Mich. Sequential motor operation under control of individual, fluid actuated, relieved pressure valves. 2,607,197, Aug. 19.

Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, N. Y., assignors to Willson Products, Inc., Reading, Pa. Safety hat. 2,585,937, Feb. 19.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Machine for end grinding elongated workpieces. 2,586,953, Feb. 26.

Johnson, Gordon A., Chicago, and P. S. Jaskowiak, Elmwood Park, Ill. Wire cleaner. 2,619,663, Dec. 2.

Johnson, Gordon C., and A. O., Minneapolis, Minn., assignors to John Oster Manufacturing Company, Racine, Wis. Lather machine. 2,610,090, Sept. 9.

Johnson, Gordon C. and A. O., Minneapolis, Minn., assignors to John Oster Manufacturing Company, Racine, Wis. Producing lather by centrifugal action of fluid over a soap cake surface. 2,611,649, Sept. 23.

Johnson, Gordon, Company, assignee: *See*—
Johnson, Gordon W.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Utensil washing machine. 2,600,541, June 17.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry singeing machine. 2,602,185, July 8.

Johnson, Gordon W., assignor to Gordon Johnson Company, Kansas City, Mo. Poultry scalding machine. 2,602,186, July 8.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Combined hog farrowing crate, house, and feeder. 2,602,419, July 8.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry nest. 2,606,525, Aug. 12.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Feather plucking apparatus for poultry. 2,607,072, Aug. 19.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry scalder. 2,607,073, Aug. 19.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Leaf stripper. 2,611,215, Sept. 23.

Johnson, Gustave P., Waukegan, Ill. Spring unit for mattresses, cushions, and the like. 2,617,124, Nov. 11.

Johnson, Hanna W., Des Moines, Iowa. Deck of playing cards. 2,582,544, Jan. 15.

Johnson, Harold E., Jeffersonville, Ind. Retractable wheel suspension for vehicles. 2,587,624, Mar. 4.

Johnson, Henry H., Oakland, Calif. Temperature-responsive control system for operating heat metering devices or the like. 2,617,864, Nov. 11.

Johnson, Herbert C., Wilmette, Ill. Can opening device. 2,618,848, Nov. 25.

Johnson, Herbert F., Baldwin, N. Y. Can body and longitudinal seam therefor. 2,620,942, Dec. 9.

Johnson, Herbert L., Media, Pa., and F. J. Bondhus, Oskaloosa, Iowa, assignors to Sun Oil Company, Philadelphia, Pa. Hydrogenated vinylcyclohexene-dimer. 2,590,971, Apr. 1.

Johnson, Herbert L., Media, Pa., and F. J. Bondhus, Oskaloosa, Iowa, assignors to Sun Oil Company, Philadelphia, Pa. Esterified 4-vinylcyclohexene. 2,598,263, May 27.

Johnson, Herbert L., Media, and A. P. Stuart, Norwood, assignors to Sun Oil Company, Philadelphia, Pa. 1,2,3,4-tetrachlorbutane as a black carpet beetle larvacide. 2,620,291, Dec. 2.

Johnson, Herman H. W., Akron, Colo. Driven steering wheels mounted for independent movement. 2,608,260, Aug. 26.

Johnson, Hezekiah, Stratford, Conn. Collocating device and using same. 2,605,921, Aug. 5.

Johnson, Homer F., Jr., Cranford, and H. W. Scheeline, East Orange, N. J., assignors to Standard Oil Development Company. Manufacturing bromoxylenes. 2,608,590, Aug. 26.

Johnson, Horace J., Grosse Pointe, Mich., assignor, by mesne assignments, to Buffalo-Eclipse Corporation. Liquid level gauge attachment. 2,591,075, Apr. 1.

Johnson, Howard E., assignor to W. F. Whitney Company, Inc., South Ashburnham, Mass. Joint for furniture construction. 2,614,302, Oct. 21.

Johnson, Howard W., Port Washington, N. Y. Tire chain applier. 2,608,231, Aug. 26.

Johnson, Howard W., and R. L. Palmer, assignors to Henry Engineering Company, Burbank, Calif. U control toy airplane. 2,611,213, Sept. 23.

Johnson, James E., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Spool having thread fastening means. 2,615,651, Oct. 28.

Johnson, James E., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Yarn package support. 2,615,652, Oct. 28.

Johnson, James E., South Dos Palos, Calif. Automatic aligning and leveling two-way plow. 2,601,296, June 24.

Johnson, James P., Shaker Heights, Ohio. Gear pump. 2,622,534, Dec. 23.

Johnson, James V., San Marino, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,602,511, July 8.

Johnson, Jesse C., Oakland, Calif. Vertical flue downdraft boiler. 2,593,032, Apr. 15.

Johnson, John A.: *See*—
Walley, John, and Johnson.

Johnson, John A., Stoke-on-Trent, England. Drying stove. 2,587,479, Feb. 26.

Johnson, John A., Stoke-on-Trent, England. Drying clayware and other goods. 2,589,088, Mar. 11.

Johnson, John A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Jet propulsion unit. 2,588,532, Mar. 11.

Johnson, John C., East Hempstead, N. Y., and W. H. Johnson, Newmanstown, Pa. Adhesive applying means for coating receptacle closure caps. 2,601,843, July 1.

Johnson, John D. A., Dorking, assignor to Beecham Research Laboratories Limited, Betchworth, Surrey, England. Separation of solutes by continuous solvent extraction. 2,599,836, June 10.

Johnson, John O., St. Louis, Mo., assignor to American Optical Company, Southbridge, Mass. Face protective device. 2,610,323, Sept. 16.

Johnson, John M., and B. P. Leaf, Lindsborg, Kans. Body and fender straightening tool. 2,597,103, May 20.

Johnson, John R., Jr., Frankfort, Ky. Oxygen breathing system. 2,596,152, May 13.

Johnson, John R., Ithaca, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azonitriles containing tertiary amino substituents. 2,605,260, July 29.

Johnson, John S.: *See*—
Fromm, Marvin M., and Johnson.

Johnson, John S., Verona, and E. L. Schulman, Wilkinsburg, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Insulation. 2,581,862, Jan. 8.

Johnson & Johnson: *See*—
Eberl, James J.
Henderson, John.
Ingram, Alvin R., and Eberl.
Leger, Ernest J.
Magee, Gilbert F.
Schwartz, Morris A.
Weisgerber, George A.
Willits, George W.

Johnson, Joseph H., Vermillion, Kans. Remote control for tractors. 2,598,390, May 27.

Johnson, Julius E., Jr.: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Johnson, Karl G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Switching device for the setting of crossbar switches by means of markers. 2,583,848, Jan. 29.

Johnson, Karl G., and N. V. Hofstrand, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Signal sending device within automatic telephone system. 2,596,245, May 13.

Johnson, Keith W., Arlington, Va. Bob-up toy. 2,585,780, Feb. 12.

Johnson, Keith W., Arlington County, Va. Construction toy. 2,585,781, Feb. 12.

Johnson, Kenneth C., Riverside, R. I. Feed control mechanism for lathes. 2,610,535, Sept. 16.

Johnson, Kermit F., and A. H. Eggert, assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Starting device for outboard motors. 2,597,334, May 20.

Johnson, Lawrence, Princeton, Minn. Clip for holding electrical conducting wires to insulating supports. 2,585,249, Feb. 12.

Johnson, Le Baron B., New York, N. Y., and E. Geh, Tenafly, N. J., assignors to Oakite Products, Inc., New York, N. Y. Disolving apparatus. 2,590,541, Mar. 25.

Johnson, Leonard R. J., Middlesex, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Integrating circuits. 2,584,882, Feb. 5.

Johnson, Leonard W., and H. W. Pottle, Amesbury, Mass., assignors to The Bailey Company, Inc. Panel crating structure. 2,593,152, Apr. 15.

Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection system. 2,603,159, July 15.

Johnson, Louis H., Tomball, Tex. Pipe-cleaning device. 2,601,614, June 24.

Johnson, Malcolm S.: *See*—
Smith, Edward P., and Johnson.
Sweger, Theodore J., and Johnson.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading strap fastening means. 2,596,855, May 13.

Johnson, Malcolm S., Chicago, and E. P. Smith, Winnetka, assignors to Illinois Railway Equipment Company, Chicago, Ill. Lading tie fastener. 2,605,721, Aug. 5.

Johnson, Marie C., assignor to Bell & Howard Company, Chicago, Ill. Combined carrying case and stand. 2,607,649, Aug. 19.

Johnson, Marvin B., Montgomery, Ala., assignor of sixty-seven and one-half per cent to D. W. Hodo and twenty-seven and one-half per cent to W. D. Bach. Fifth wheel locking mechanism. 2,612,381, Sept. 30.

Johnson, Marvin F. L.: *See*—
Glover, John A., and Johnson.

Johnson, Matthey & Company Limited, assignee: *See*—
Kerridge, Frank E., and Couper.

Johnson, Milton A.: *See*—
Olson, Herbert H., and Johnson.

Johnson, Nester A., Minneapolis, assignor to North Star Construction Co., St. Paul, Minn. Apparatus and method for raising and adjusting concrete forms. 2,617,168, Nov. 11.

Johnson, Ogden, Bronxville, assignor to Ford, Bacon & Davis, Inc., New York, N. Y. Making culinary mixes. Re. 23,484, Apr. 29.

Johnson, Olaf A., Irondequoit, assignor to The Gleason Works, Rochester, N. Y. Machine for sharpening tools. 2,599,639, June 10.

Johnson, Ora Z. D., Mutual, Okla. Quilt marker. 2,595,081, Apr. 29.

Johnson, Oscar A., Pullman, Wash. Prizing tool. 2,585,013, Feb. 12.

Johnson, Oscar B., Kent, Wash. Pop-up sprinkler device. 2,585,782, Feb. 12.

Johnson, Oscar F., San Francisco, Calif. Illumination for ice skating rinks. 2,587,855, Mar. 4.

Johnson, Oscar H.: *See*—
Johnson, Arthur C., Collins, and Johnson.

Johnson, Oscar W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic control and safety cover for extractors. 2,588,634, Mar. 11.

Johnson, Oscar W., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Pilot controlled multiport valve. 2,611,392, Sept. 23.

Johnson, Otis M., Dallas, Tex. Dental articulator. 2,592,288, Apr. 8.

Johnson, Paul H., Bartlesville, Okla., and G. J. Forseth, Spring Valley, Wis., assignors to Phillips Petroleum Company. Producing superior motor fuel. 2,608,524, Aug. 26.

Johnson, Paul M., Evanston, and L. M. Hinrichs, Wilmette, assignors to W. D. Harbaugh, Evanston, Ill. Apparatus for detecting the presence of foreign bodies in transparent containers. 2,593,311, Apr. 15.

Johnson, Paul R., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of chloromethanes. 2,585,469, Feb. 12.

Johnson, Paul W., assignor to The Johnson Gage Company, Bloomfield, Conn. Analyzer gauge. 2,586,053, Feb. 19.

Johnson, Paul W., assignor to The Johnson Gage Company, Bloomfield, Conn. Snap-ring gauge having pivoted jaws. 2,593,309, Apr. 15.

Johnson, Paul W., Bloomfield, Conn. Wheel type screw thread gauge. 2,597,644, May 20.

Johnson, Paul W., Bloomfield, Conn. Gauge having pivoted elements. 2,601,119, June 17.

Johnson, Paul W., assignor to The Johnson Gage Company, Bloomfield, Conn. Gauge with pivotal and laterally movable gauge member. 2,611,965, Sept. 30.

Johnson, Paul W., assignor to Johnson Gage Company, Bloomfield, Conn. Dimension gauge. 2,618,070, Nov. 18.

Johnson, Percy O., Columbus, Ohio. Combination burial casket and vault. 2,618,040, Nov. 18.

Johnson, Peter, Penticton, British Columbia, Canada. Closure hinge arrangement. 2,604,674, July 29.

Johnson Power-On Transmission Corporation, assignee: *See*—
Kraft, Selmer A., and Beaurline.
Talboys, Henry H., and Kraft.

Johnson Products, Inc., assignee: *See*—
Bergmann, Paul F.
Humphreys, John W.
Johnson, Charles E.

Johnson, Quinton C., Torrance, Calif., assignor to North American Aviation, Inc. Gun mount. 2,612,819, Oct. 7.

Johnson, Ralph A., Port Allegany, Pa., assignor to Pittsburgh Corning Corporation. Nonsolvent adhesive. 2,597,996, May 27.

Johnson, Ralph A., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Etching glass block mold faces. 2,621,114, Dec. 9.

Johnson, Ralph E., Mountainside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Low inertia presser-mechanism for sewing machines. 2,616,382, Nov. 4.

Johnson, Ralph H., Rochester, N. Y., assignor, by mesne assignments, to The Quaker Oats Company, Chicago, Ill. Divider blade mechanism for materials separating machines. 2,615,571, Oct. 28.

Johnson, Ralph M. W., and J. W. Shaw, assignors to Stoddart Aircraft Radio Company, Los Angeles, Calif. Ultrahigh-frequency attenuator. 2,620,396, Dec. 2.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Impulse-actuated program device. 2,580,787, Jan. 1.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Selective printing and punching mechanism. 2,580,788, Jan. 1.

Johnson, Reynold B., Binghamton, H. A. Hendrich, Endicott, and G. V. A. Malmros, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Hyperbolic position locating device. 2,591,074, Apr. 1.

Johnson, Reynold B., Binghamton, H. A. Jurgens, Endicott, and O. F. Moneagle, Union, assignors to International Business Machines Corporation, New York, N. Y. Data receiving and retaining mechanism. 2,606,244, Aug. 5.

Johnson, Raymond D., Renton, Wash. Detachable chain link. 2,618,922, Nov. 25.

Johnson, Richard J., Minneapolis, Minn. Display stand. 2,615,583, Oct. 28.

Johnson, Robert, Detroit, Mich. Weeding implement. 2,606,055, Aug. 5.

Johnson, Robert, Ingomar, assignor to Koppers Company, Inc., Pittsburgh, Pa. Production of alpha-naphthol by catalytic reduction of alpha-tetralol and alpha-tetralone. 2,595,266, May 6.

Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Oxidation of ethyl naphthalene. 2,595,265, May 6.

Johnson, Robert L.: *See*—
Johnson, Fred J., F. J., Jr., and R. L.

Johnson, Robert W., Lakeland, Fla. Fluid dispensing machine. 2,609,982, Sept. 9.

Johnson, Rolly A., Los Angeles, Calif. Fishing reel. 2,612,325, Sept. 30.

Johnson, Roy, Chicago, assignor to American Hospital Supply Corporation, Evanston, Ill. Orthopedic mattress. 2,593,678, Apr. 22.

Johnson, Roy W., Detroit, Mich. Rotary tilling apparatus. 2,603,139, July 15.

Johnson, Roy W., Milwaukee, Wis. Motor control system for fuel pumps. 2,589,089, Mar. 11.

Johnson, Roy W., and F. F. Heiser, Milwaukee, Wis., assignors to A P Controls Corporation. Gas control valve. 2,587,480, Feb. 26.

Johnson, Roy W., C. E. Zarwell, and L. V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation. Solenoid gas valve. 2,596,409, May 13.

Johnson, Russell W., Cleveland, Ohio, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap-in lens assembly and socket mount. 2,621,283, Dec. 9.

Johnson, S. C., & Son, Inc., assignee: *See*—
Bridgeman, Walter A.
Faust, Morris C.
Pressing, Robert W., Lawless, and Pettibone.
Sesso, Louis M., and Jordan.
Yozzi, Henry L., and Stieber.
Wilder, Edward A., and McLoud.

Johnson, Samuel G., Fort Wayne, Ind., assignor to International Harvester Company. Drop frame construction. 2,603,506, July 15.

Johnson, Scott R., River Forest, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for coating scrolled sheets. 2,623,495, Dec. 30.

Johnson, Scott R., River Forest, J. M. Royal, and H. Schrader, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for cutting scrolled sheets from continuously fed metal strips. 2,623,590, Dec. 30.

Johnson Service Company, assignee: *See*—
Alyea, Harold W.

Johnson, Sidney P.: *See*—
Downing, Willis T., and Johnson.

Johnson & Sons' Smelting Works Limited, assignee: *See*—
Critchley, Thomas.

Johnson, Stanley A.: *See*—
Weber, Ernst, and Johnson.

Johnson, Stanley G., West Hartford, assignor to The Johnson Gage Company, Bloomfield, Conn. Aligned thread gauge. 2,609,614, Sept. 9.

Johnson, Stanley G., West Hartford, assignor to The Johnson Gage Company, Bloomfield, Conn. Indicating comparator having pivoted jaws. 2,611,970, Sept. 30.

Johnson Steel & Wire Company, Inc., assignee: *See*—
Clary, Frank A., Jr., and Willis.

Johnson, Stephen I.: *See*—
Dutterer, Rex J. L., Johnson, and Hein.

Johnson, Theodore F.: *See*—
Creswick, Edward A., and Johnson.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator. 2,619,889, Dec. 2.

Johnson, Theodore W., Jr., Annapolis, Md. Orange juice extractor. 2,597,997, May 27.

Johnson, Thomas H.: *See*—
Dressel, Arthur, and Johnson.
Harless, Charles A., and Johnson.

Johnson, Thomas H., Elmhurst, N. Y., and W. L. Thompson, Jr., Fairfield, Conn., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for producing textile fabrics. 2,596,246, May 13.

Johnson, Vance, Denver, Colo. Plumb bob. 2,618,863, Nov. 25.

Johnson, Victor, Providence, R. I. Paper pulp screen plates and support means for the same. 2,588,533, Mar. 11.

Johnson, Virgil A., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Preparation of hydrocarbon cracking stock for catalytic cracking. 2,611,737, Sept. 23.

Johnson, Virgil F., Marion, Iowa, assignor to Triple E. Manufacturing Company. Mousetrap. 2,616,211, Nov. 4.

Johnson, Walfred, Racine, Wis. Paint stirrer attachment for cans. 2,601,438, June 24.

Johnson, Wallace C., St. Davids, Pa. Producing metal sheets or plates. 2,593,460, Apr. 22.

Johnson, Wallace J. S., Berkeley, Calif. Adjustable supporting leg. 2,618,496, Nov. 18.

Johnson, Wallace J. S., assignor to Up-Right, Inc., Berkeley, Calif. Scaffolding and span therefor. 2,619,390, Nov. 25.

Johnson, Walter, Gary, Ind. Folding pick. 2,614,004, Oct. 14.

Johnson, Walter A., assignee: *See*—
Pass, Richard H., and Johnson.

Johnson, Walter H.: *See*—
Johnson, John C. and W. H.

Johnson, Walter L., Kimball, S. Dak. Liquid fuel feeding system. 2,590,972, Apr. 1.

Johnson, Walter V., Detroit, Mich. Method and apparatus for extruding and briquetting coal and other materials. 2,617,167, Nov. 11.

Johnson, Warren C., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Remnant roll housing and lift. 2,590,865, Apr. 1.

Johnson, Wayne R., Los Angeles, Calif. Method and apparatus for frequency response measurement. 2,588,730, Mar. 11.

Johnson, Wilbur E., Hawthorne, Calif., and H. Reintjes, Highland Park, assignors to Great Lakes Carbon Corporation, Chicago, Ill. Expanding perlitic minerals. 2,621,160, Dec. 9.

Johnson, Wilford L., assignee: *See*—
Peterson, Einar C.

Johnson, William, Vancouver, British Columbia, Canada. Door, sash, and the like. 2,609,573, Sept. 9.

Johnson, William A., Farnborough, England. Aerial system. 2,607,894, Aug. 19.

Johnson, William B.: *See*—
Bergen, Richard L., and Johnson.

Johnson, William C.: *See*—
Gittings, William L., Christianson, and Johnson.

Johnson, William D., Austin, Tex. Stone sawing apparatus. 2,619,081, Nov. 25.

Johnson, William E., Beebe, Ark. Machine parts polishing tool. 2,618,915, Nov. 25.

Johnson, William E., Norfolk, Va. Combined angle cutter and work gauge for saws. 2,606,580, Aug. 12.

Johnson, William E. P., Hampstead, London, assignor to Power Jets (Research & Development) Limited, London, England. Gas turbine aircraft propulsion installation with auxiliary air intake. 2,604,278, July 22.

Johnson, William H., Washington, D. C. Pattern for horizontal casting systems. 2,621,381, Dec. 16.

Johnson, William H., Washington, D. C. Pattern for horizontal casting systems. 2,621,382, Dec. 16.

Johnson, William H., Washington, D. C. Pattern for vertical casting systems. 2,622,289, Dec. 23.

Johnson, William H. and D. M., Washington, D. C. Retractable toothcomb. 2,584,023, Jan. 29.

Johnsson, John, Amal, assignor to Billeruds Aktiebolag, Saffle, Sweden. Device for closing and sealing of valves in valve bags. 2,620,121, Dec. 2.

Johnston, Allan T., Mount Lebanon, Pa., assignor to Westinghouse Air Brake Company. Railway switch controlling apparatus. 2,608,647, Aug. 26.

Johnston, Clifford, Northville, Alberta, Canada. Feed roller. 2,588,121, Mar. 4.

Johnston, Clyde C., Jr., assignee: *See*—
Millican, Roy E.

Johnston, Douglas, assignor to General Fluid Machinery Company, Huntsville, Ala. Tractor jack. 2,620,198, Dec. 2.

Johnston, Earl W., Worcester, Mass., assignor to United States Steel Company. Final-shaping attachment for wire-drawing machines. 2,612,797, Oct. 7.

Johnston, Forrest E., South Gate, Calif. Overhead carrier. 2,608,164, Aug. 26.

Johnston, Franklin, St. Albans, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of diesterified phosphono derivatives of ketones. 2,616,918, Nov. 4.

Johnston, Howard M., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Resiliently mounted disk tiller. 2,616,352, Nov. 4.

Johnston, James W., Odgen, Utah. Pliers for straightening radiator fins. 2,607,249, Aug. 19.

Johnston, Jesse, Middletown, Ohio, and J. C. Vaaler, Libertyville, assignors to Askania Regulator Company, Chicago, Ill. Fluid flowmeter. 2,595,385, May 6.

Johnston, John M., Elkins Park, Pa., assignor to The Bethlehem Silk Company, New York, N. Y. Retractable ribbon dispenser. 2,589,192, Mar. 11.

Johnston Lawn Mower Corporation, assignee: *See*— Wilkin, Ellsworth D.

Johnston, Lawrence H.: *See*— Sherwin, Chalmers W., and Johnston.

Johnston, Lawrence H., Sandoval County, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Automatic curve follower. 2,611,115, Sept. 16.

Johnston, Loyal L., Zelienople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Making a hollow mold of compacted mold forming material. 2,598,554, May 27.

Johnston, Loyal L., Zelienople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Molding apparatus. 2,613,410, Oct. 14.

Johnston, Mordica O., Glendale, Calif., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Side wall tester. 2,621,743, Dec. 16.

Johnston, Robert M.: *See*— Price, Forrest M., and Johnston.

Johnston Testers, Inc., assignee: *See*— Bagnell, Edgar W., and Bettis. Johnston, Mordica O. Long, Thomas L. Moosman, Jack A.

Johnston, Thomas C., Arlington, Tex. Spring jack. 2,594,443, Apr. 29.

Johnston, Virgil S., Glendale, assignor of one-half to J. R. Broadbent, Huntington Park, Calif. Lubricated shaft bearing. 2,602,712, July 8.

Johnston, Walter S., Emmetsburg, Iowa. Fish lure. 2,585,783, Feb. 12.

Johnston, William R., Bronxville, and H. E. Foote, Chappaqua, assignors to Standard Brands Incorporated, New York, N. Y. Preparation of green coffee. 2,607,690, Aug. 19.

Johnstone, Alexander P., Frimley, assingor to Power Jets (Research and Development) Limited, London, England. Sealing device. 2,598,176, May 27.

Johnstone, Charles W., and W. N. Dean, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Rotational orientation apparatus. 2,612,547, Sept. 30.

Johnstone, Harold G., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric cable sheathing. 2,589,700, Mar. 18.

Johnstone, Henry F., Urbana, Ill., and A. W. Anthony, Jr., assignors to Pease, Anthony Equipment Company, Waltham, Mass. Method and apparatus for treating gases. 2,604,185, July 22.

Johnstone, Jack, Los Angeles, Calif. Fishhook. 2,618,097, Nov. 18.

Johnstone, Leo H., L. A. Webber and J. J. Costolow, Borger, Tex., assignors to Phillips Petroleum Company. Inhibiting formation of self-propagating polymers during distillation by use of water-soluble nitrites. 2,613,175, Oct. 7.

Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Reducing the mercaptan content of petroleum distillates with a hydroperoxide. 2,593,761, Apr. 22.

Joiner, Edgar E., Jr.: *See*— Russ, Harley W., and Joiner.

Joiner, Robert R.: *See*— Marks, Henry C., and Joiner.

Joksch, Rudolf, assignor of one-half to Fritz Gruenberg, Vienna, Austria. Electrical automobile safety device. 2,610,238, Sept. 9.

Jolly, John V., Phillips, Tex., assignor to Phillips Petroleum Company. Elimination of and accumulator in a hydrocarbon conversion process. 2,615,928, Oct. 28.

Jonas, Gilbert F., assignor to Boyd-Welsh, Inc., St. Louis, Mo. Turned slip-lasted shoe and making the same. 2,590,707, Mar. 25.

Jonas, Gilbert F., assignor to Boyd-Welsh, Inc., St. Louis, Mo. Making shoes having a wrapper strip. 2,596,029, May 6.

Jonas, Julius, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Pusher turboprop exhaust system. 2,586,054, Feb. 19.

Joncas, Alex B., Detroit, Mich. Automatic crash curtain for motor vehicles. 2,592,573, Apr. 15.

Jones, Addis T., Bainbridge, Md. Automatic tuning device for radio broadcasting receivers. 2,582,039, Jan. 8.

Jones, Albert S., Webster, and G. B. Stackpole, Oxford, Mass., assignors, by mesne assignments, to Joseph Bancroft & Sons Company, Rockford, Wilmington, Del. Applying a discontinuous coating of fabric. 2,598,264, May 27.

Jones, Alexander H., Jackson, Miss. Invalid's footrest. 2,609,035, Sept. 2.

Jones, Allen R.: *See*— Howell, William C., Jr., Jones, and Smith. Robertson, Anthony E., and Jones. Smith, John O., Jr., and Jones.

Jones, Allen R., Roselle, and J. O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Motor fuel. 2,600,113, June 10.

Jones, Allen R., Roselle, N. J., and A. E. Robertson, Silver Spring, Md., assignors to Standard Oil Development Company. Diesel fuel composition. 2,618,538, Nov. 18.

Jones, Anita J.: *See*— Harvuot, Richard E., and Jones.

Jones, Anna C., executrix: *See*— Jones, Theodore C.

Jones, Anthony M. H., assignor to A. C. Cossor Limited, London, England. Plan position indicator circuits. 2,622,228, Dec. 16.

Jones, Arden T., New Philadelphia, Ohio, and C. A. Newport, Ferndale, Mich., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Coal drill bit. 2,614,814, Oct. 21.

Jones, Arthur K., Rumford, R. I. Goggle. 2,598,265, May 27.

Jones, Aubrey L., assignee: *See*— Ulrich, Solomon D.

Jones, Barton, Los Angeles, Calif. Temperature compensated means for measuring differential pressures. 2,590,324, Mar. 25.

Jones, Basil E.: *See*— Tully, James K., and Jones.

Jones, Basil E., Flossmoor, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway sleeping car. 2,619,044, Nov. 25.

Jones, Benjamin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preventing ice accumulation on airfoils. 2,599,059, June 3.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,584,711, Feb. 5.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Overload protective system for dynamo-electric machines. 2,607,831, Aug. 19.

Jones, Bernice E.: *See*— Rowley, Arthur, and Jones.

Jones, Bliss M.: *See*— Belcher, Harold H., and Jones.

Jones, Bryan S. W., El Monte, Calif. Tie case. 2,600,657, June 17.

Jones, Burr W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope nosepiece. 2,621,563, Dec. 16.

Jones, Burr W., Rochester, and G. C. Schelling, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Lens drilling machine. 2,620,687, Dec. 9.

Jones, Carl E.: *See*— Jones, Le Roy C. and C. E.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling machine. 2,593,887, Apr. 22.

Jones, Charles B., Worcester Park, England. Shelf support. 2,615,666, Oct. 28.

Jones, Charles E.: *See*— Bishop, Glenn A. and R. B., and Jones.

Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Index tab. 2,601,026, June 17.

Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Index device. 2,603,219, July 15.

Jones, Charles F., Electra, Tex. Level winding mechanism. 2,595,584, May 6.

Jones, Charles J., assignee: *See*— Spinney, Frank R.

Jones, Charles L., Chicago, Ill., assignor to International Carbonic Engineering Company, Wilmington, Del. Composite solid carbon dioxide. 2,590,542, Mar. 25.

Jones, Charles R., assignee: *See*— Haseman, Walter. Hunicke, William F., and Haseman.

Jones, Charles R., J. Thomlinson, and N. L. Kent, St. Albans, assignors to The Research Association of British Flour-Millers, Surbiton, England. Recovering or separating valuable nutrients in flour milling. 2,608,297, Aug. 26.

Jones, Charles W., Jr., Hyattsville, Md. Tobacco pouch holder. 2,605,891, Aug. 5.

Jones, Clarence M., Tulsa, Okla. Instrument for determining wheel balance. 2,613,532, Oct. 14.

Jones, Clarence M., Tulsa, Okla. Instrument for determining wheel balance. 2,613,533, Oct. 14.

Jones, Clarence W., Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Wide frequency band transmit-receive switch. 2,617,924, Nov. 11.

Jones, Cyril C.: *See*— Millns, Terence W., and Jones.

Jones, D., assignee: *See*— Huffman, Lloyd S., and Justin.

Jones, David G., and C. T. Y. Cowle, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Inhibiting peroxidation of tetrahydrofurfuryl alcohol. 2,617,811, Nov. 11.

Jones, David K., assignee: *See*— Jones, David O.

Jones, David O., Pasadena, assignor of one-half to D. K. Jones, Alhambra, Calif. Visor using magnetic means for attachment. 2,603,530, July 15.

Jones, Denzil E., El Monte, Calif. Fertilizer and seed broadcasting apparatus. 2,600,167, June 10.

Jones, Don F., and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Control for heating apparatus. 2,586,826, Feb. 26.

Jones, Douglas E., and J. W. Ryde, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Germanium crystal rectifiers and producing the crystal element thereof. 2,588,008, Mar. 4.

Jones, Earl W., Abilene, and L. E. Gray, Jr., Granger, Tex. Automatic control for wells. 2,599,458, June 3.

Jones, Edgar J., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Tension yoke for compression load weighing units. 2,590,626, Mar. 25.

Jones, Edward M., Hanover, N. H., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar system operational-training system. 2,605,556, Aug. 5.

Jones, Edwin A., Harrison Township, Montgomery County, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Pilot and main burner unit. 2,599,457, June 3.

Jones, Edwin A., Webster Groves, Mo. Temperature control system. 2,587,733 Mar. 4.

Jones, Eldon M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters of alphapiperidino aliphatic acids and their production. 2,582,255, Jan. 15.

Jones, Elgon M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters of alphapiperidino alpha cyclohexyl acetic acid and their production. 2,582,256, Jan. 15.

Jones, Eldon M., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Esters and obtaining the same. 2,582,257, Jan. 15.

Jones, Emlyn, Salfords, near Redhill, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Synchronizing system. 2,611,033, Sept. 16.

Jones, Emmett B., and F. L. Corbin, assignors to Engineering Laboratories, Inc., Tulsa, Okla. Shock absorbing device. 2,601,982, July 1.

Jones, Eric H., and S. A. Shorter, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Apparatus for continuously applying a prescribed amount of liquid composition to a moving linear material. 2,583,267, Jan. 22.

Jones, Erma J.: *See*— Jones, James E. and E. J.

Jones, Erwin R., assignor to Jones Manufacturing Company, Chicago, Ill. Yarn knife. 2,601,724, July 1.

Jones, Evan: *See*— Dube, John E., and Jones.

Jones, Ewart R. H.: *See*— Heilbron, Ian M., Weedon, and Jones. Heilbron, Ian M., Weedon, Jones, Hems, and Jansen.

Jones, Floyd S., Durham, N. C. Animal trap. 2,620,589, Dec. 9.

Jones, Francis T.: *See*— Young, Frank E., and Jones.

Jones, Frank A., Bristol, Tenn., assignor to Enterprise Wheel and Car Corporation, Bristol, Va. Multiple hopper trailer. 2,620,226, Dec. 2.

Jones, Frank B., Pineville, La. Artificial casting lure. 2,593,461, Apr. 22.

Jones, Frank G., Tipp City, Ohio. Dustpan. 2,617,281, Nov. 11.

Jones, Fred A. B., Coral Gables, Fla. Cigarette lighter. 2,608,848, Sept. 2.

Jones, Frederic M., assignor of one-half to L. A. Magee, Oceanside, Calif. Power rotated disk plow. 2,617,340, Nov. 11.

Jones, Frederick M., assignor to The U. S. Thermo Control Co., Minneapolis, Minn. Refrigeration control device. 2,581,956, Jan. 8.

Jones, George D., assignor, by mesne assignments, to Reelshav Corporation, Los Angeles, Calif. Ribbon type razor assembly. 2,591,702, Apr. 8.

Jones, George D., Los Angeles, Calif. Magazine type razor. 2,601,718, July 1.

Jones, George D., and L. C. Miller, assignors to Reelshav Corporation, Los Angeles, Calif. Holder for magazine type razors. 2,587,625, Mar. 4.

Jones, George F.: *See*— Van Wirt, Alfred E., and Jones.

Jones, George F., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Dye bath composition. 2,614,086, Oct. 14.

Jones, George F., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Pigment coloring compositions containing a reaction product of melamine, formaldehyde, glycerine, and an alkylolamine. 2,616,861, Nov. 4.

Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Amides of alkylenimines and β-keto acids and producing the same. 2,587,329, Feb. 26.

Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of hydroxyalkyl amides of acrylic acids. 2,593,888, Apr. 22.

Jones, Giffin D., Midland, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. Amphoteric vinyl interpolymers. 2,611,763, Sept. 23.

Jones, Giffin D., assignor to The Dow Chemical Company, Midland, Mich. Polymerizing alpha-methyl styrene. 2,621,171, Dec. 9.

Jones, Giffin D., Easton, Pa., and C. E. Barnes, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Purification of vinyl sulfonic acids. 2,619,452, Nov. 25.

Jones, Giffin D., Sanford, and R. E. Friedrich, assignors to The Dow Chemical Company, Midland, Mich. Di(methanesulfonyl) peroxide and its preparation. 2,619,507, Nov. 25.

Jones, Gordon K., Port of Spain, Trinidad, assignor to Shell Development Company, San Francisco, Calif. Fluid for drilling wells. 2,605,222, July 29.

Jones, Griffith G.: *See*— Jackson, Harry, and Jones.

Jones, Harold A., New Hyde Park, N. Y., assignor to General Electric Company. Automatic washing machine control. 2,608,082, Aug. 26.

Jones, Harold O., Pleasantville, N. Y., assignor to Air Reduction Company, Incorporated. Removing paint. 2,583,779, Jan. 29.

Jones, Harold T., Vallejo, Calif. Locking wrench and plier. 2,592,807, Apr. 15.

Jones, Harold T., Vallejo, Calif. Combined fillet and cylinder gauge, caliper, protractor, and compass. 2,603,872, July 22.

Jones, Harrison W., Berkeley, W. J. Thorsen, Napa, and H. P. Lundgren, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Acrolein and sulfur halide process to strengthen protein fibers. 2,583,574, Jan. 29.

Jones, Harry, Rochdale, and J. K. Aiken, Sale, assignors to The Geigy Company Limited, Manchester, England. Plasticized cellulose triacetate. 2,609,304, Sept. 2.

Jones, Harry C., Magnolia, Ark. Railroad track skeletonizing machine. 2,609,619, Sept. 9.

Jones, Harry H.: *See*— Cardwell, Paul H., Coulter, and Jones.

Jones, Harry W.: *See*— Sanford, Hugh W., and Jones.

Jones, Harry W., assignor to Dempster Brothers, Incorporated, Knoxville, Tenn. Material transporting and dumping equipment. 2,606,675, Aug. 12.

Jones, Harry W., and G. Glazer, assignors to Dempster Brothers, Incorporated, Knoxville, Tenn. Precompressor for baling presses. 2,616,312, Nov. 4.

Jones, Herbert, Sheffield, England. Furnace wall. 2,622,433, Dec. 23.

Jones, Herbert T., Harrisburg, Pa. Vacuum grip rail anchor. 2,609,991, Sept. 9.

Jones, Hubert O., Nogales, Ariz. Hackamore. 2,597,736, May 20.

Jones, Ira M., assignee: *See*— Brooks, Lewis C. Thompson, Glenn S.

Jones, James A., Memphis, Tenn., assignor to Reconstruction Finance Corporation, New Orleans, La. Awning. 2,613,404, Oct. 14.

Jones, James E. and E. J., Parkland, Wash. Tablet crusher. 2,602,596, July 8.

Jones, James L., assignee: *See*— Triplett, Lee.

Jones, James M., and J. J. Stranahan, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Automatic distillation testing. 2,595,948, May 6.

Jones, James R., Lakewood, F. H. Bloomstran, and V. A. Gronberg, assignors to Art Metal Construction Company, Jamestown, N. Y. Insertable platform for desks. 2,588,844, Mar. 11.

Jones, Jean E.: *See*— Lowe, Wesley G., and Jones.

Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of hydrocarbons from nonhydrocarbons by diffusion. 2,617,493, Nov. 11.

Jones, Jefferson L., Cambridge, Mass. Water system for dishwashing machines. 2,607,628, Aug. 19.

Jones, Jesse E., Wauwatosa, and J. B. Reeves, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Variable output transformer. 2,598,555, May 27.

Jones, John G., Rochester, N. Y. Alarm mechanism. 2,585,784, Feb. 12.

Jones, John G., and L. A. Ulmschneider, assignors to Eastman Kodak Company, Rochester, N. Y. Machine for applying tape to cylindrical containers. 2,585,250, Feb. 12.

Jones, John L., Los Angeles, Calif., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of phenolic resins that produce light-colored varnish coatings. 2,587,578, Mar. 4.

Jones, John L., Los Angeles, Calif. Vaginal applicator. 2,616,422, Nov. 4.

Jones, John L., Jr., Henry, Ill. Time measuring apparatus. 2,602,110, July 1.

Jones, John P., Omaha, Nebr., assignor to Dairy Specialties, Inc. Dispensing milk container. D601,399, June 24.

Jones, John P., Jr., Pottstown, assignor to Philco Corporation, Philadelphia, Pa. Television antenna assembly. 2,582,634, Jan. 15.

Jones, John P., Jr., Pottstown, Pa. Model aircraft remote control. 2,603,910, July 22.

Jones, Kelso, assignee: *See*—
Jones, Ralph E.
Jones & Lamson Machine Company, assignee: *See*—
Beardsley, Robert O., and Allan.
Cormier, Gerard A.
Lovely, John E., and Gamble.
Tancred, William L.
Jones & Laughlin Steel Corporation, assignee: *See*—
Yaeger, Carl M.
Jones, Leo D., Philadelphia, Pa., assignor to The Sharples Corporation. Industrial process and apparatus. 2,599,331, June 3.
Jones, Le Roy C. and C. E., Douglas, Ariz. Device for inserting and projecting cleaning projectiles in air lines for converters. 2,623,226, Dec. 30.
Jones, Leslie H., assignor to E. L. Bruce Company, Memphis, Tenn. Wood finishing apparatus. 2,582,438, Jan. 15.
Jones, Leslie H., assignor to E. L. Bruce Company, Memphis, Tenn. Conveyer having means to discharge refuse carried beneath the conveyer. 2,600,056, June 10.
Jones, Lester L., Oradell, assignor to Conmar Products Corporation, Newark, N. J. Molding machine and process. 2,584,612, Feb. 5.
Jones, Lewis, deceased, late of Upwey, Weymouth, England, by W. T. Wilkinson, executor, Wimbledon, assignor to Vickers-Armstrongs Limited, London, England. Torpedo hull. 2,612,857, Oct. 7.
Jones, Lewis, deceased, Upwey, Weymouth, England, by W. T. Wilkinson, executor, Weymouth, assignor to Vickers-Armstrongs Limited, London, England. Head ballast blowing valve mechanism for automobile torpedoes. 2,620,827, Dec. 9.
Jones, Lewis D., Lawndale, Calif. Bait carrier. 2,610,428, Sept. 16.
Jones, Livingston E., Philadelphia, Pa. Rearview mirror head. 2,606,048, Aug. 5.
Jones, Lloyd E., Arcadia, Calif. Brush roll construction. 2,583,336, Jan. 22.
Jones, Lyman L., assignor of one-half to G. K. Barger, Seattle, Wash. Car top bow-supported tent. 2,615,458, Oct. 28.
Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Assembly and delivery device for bulk loading containers. 2,623,628, Dec. 30.
Jones, Mack C., Unionville, Conn. High-frequency power measuring device. 2,588,390, Mar. 11.
Jones Manufacturing Company, assignee: *See*—
Jones, Erwin R.
Jones, Marvin R.: *See*—
Parks, Mercer H., and Jones.
Pennington, Thomas, and Jones.
Jones, Marvin R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe suspending device. 2,582,700, Jan. 15.
Jones, Max H., Evanston, assignor to Tribune Company, Chicago, Ill. Layout board for photographic reproduction. 2,600,505, June 17.
Jones, Mildred A., administratrix: *See*—
Jones, Webster, and Heslin.
Jones, Muriel C., Victoria, British Columbia, Canada. Combination article of furniture. 2,622,249, Dec. 23.
Jones, Norman B.: *See*—
McFarland, James L., and Jones.
Jones, Norman B., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Automatic apparatus for silvering mirrors. 2,581,957, Jan. 8.
Jones, Norman B., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Mounting device for wall mirrors. 2,588,009, Mar. 4.
Jones, Norman B., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Spraying process. 2,598,391, May 27.
Jones, Olive M., East Haddam, Conn. Toy figure. 2,619,771, Dec. 2.
Jones, Ollie, assignee: *See*—
Spinney, Frank R.
Jones, Patrick G.: *See*—
Evans, Ronald M., and Jones.
Jones, Preston A., Berkeley, Calif. Recessed light fixture with removable light transmitting panel. 2,593,513, Apr. 22.
Jones, Ralph E., assignor of one-half to K. Jones, San Diego, Calif. Shoe latch. 2,613,414, Oct. 14.
Jones, Ralph V., Pompano, Fla. Paper holder. 2,593,762, Apr. 22.
Jones, Reuben G.: *See*—
Behrens, Otto K., Jones, Soper, and Corse.
Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Preparation of 2-mercaptoimidazoles. 2,585,388, Feb. 12.
Jones, Reuben G., and E. C. Kornfeld, assignors to Eli Lilly and Company, Indianapolis, Ind. Synthesis of tryptophane and derivatives thereof. 2,621,187, Dec. 9.
Jones, Robert E., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Mine car sealing device. 2,598,797, June 3.
Jones, Robert E., Elkton, and R. G. Bailey, Harrisonburg, Va., assignors to Merck & Co., Inc., Rahway, N. J. Purification of streptomycin dihydrostreptomycin and salts thereof. 2,617,799, Nov. 11.
Jones, Robert L., Swissvale, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,590,417, Mar. 25.
Jones, Robert M., Baltimore, Md. Storm curtain. 2,587,330, Feb. 26.
Jones, Robert O., Evanston, Ill. Applicator for treating skin ailments. 2,601,851, July 1.
Jones, Roy W.: *See*—
Voss, John H., and Jones.
Jones, Roy W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Local and trunk call discriminating system. 2,585,130, Feb. 12.
Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Binomial sequential analyzer. 2,617,589, Nov. 11.
Jones, Ruel C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety control system for motors. 2,597,104, May 20.
Jones, Rufus V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Sulfating polyvinyl alcohol. 2,623,037, Dec. 23.
Jones, Sam P., Dallas, Tex. Gas carbureting apparatus. 2,587,165, Feb. 26.
Jones, Sam P., assignor to J & S Carburetor Co., Dallas, Tex. Fuel carbureting apparatus. 2,597,335, May 20. May 20.
Jones, Samuel F.: *See*—
Freel, William G., and Jones.
Jones, Theodore C., deceased, Louisville, Ky., A. C. Jones, executrix, assignor, by mesne assignments, to Electromatic Engineering Company, Inc. Galvanic water correction device. 2,591,826, Apr. 8.
Jones, Thomas B., Banning, Calif. Trolling float. 2,595,947, May 6.
Jones, Thomas G., assignee: *See*—
Spinney, Frank R.
Jones, Viron V.: *See*—
Hearon, William M., and Jones.
Jones, Walter F., Washington, Conn., assignor to Carrier Corporation, Syracuse, N. Y. Arrangement for collecting and utilizing natural gas leakage from a centrifugal compressor employed on a pipe line. 2,588,122, Mar. 4.
Jones, Walter L., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Plastic cap for attachment of snap fastener sockets and the like. 2,622,299, Dec. 23.
Jones, Walter L., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making caps for fastener members. 2,582,383, Jan. 15.
Jones, Walter L., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shirt construction. 2,607,921, Aug. 26.
Jones, Walter L., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Key holder frame. 2,608,086, Aug. 26.
Jones, Webster, deceased, by M. A. Jones, administratrix, New York, N. Y., and J. J. Heslin, Waltham, Mass., assignors to Chemo-Textiles, Inc. Electrically heated drying oven for yarn impregnating machines. 2,612,580, Sept. 30.
Jones, Wendell C., Woodstock, N. Y. Luggage carrier having projectable and retractible supporting rollers. 2,581,417, Jan. 8.
Jones, William O., Morden Park, England, assignor to Imperial Chemical Industries Limited. Substituted phthalocyanines and preparing the same. 2,604,476, July 22.
Jones, William R., assignee: *See*—
Dreese, George A.
Jones, Willis R., assignor of one-half to Melchor's Incorporated, Norfolk, Va. Vending machine. 2,616,776, Nov. 4.
Jones, Win, Grand Rapids, Mich. Dog's toy. 2,610,851, Sept. 16.
Jonette, Charles: *See*—
Krizman, Frank, and Jonette.
Jonker, Frits, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Rotating continuous combustion type combustion products generator and reaction turbine. 2,591,549, Apr. 1.
Jonker, Frits, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Radial compressor with auxiliary bladewheel. 2,609,140, Sept. 2.
Jonker, Gerard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for converting electrical energy into mechanical oscillation energy. 2,616,223, Nov. 4.
Jonker, Johan L. H.: *See*—
Van Overbeek, Adrianus J. W. M., van Gelder, and Jonker.
Jonker, Johan L. H., and G. Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,582,203, Jan. 8.

Jonker, Johan L. H., and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Screen grid structure for electron discharge tubes. 2,613,331, Oct. 7.
Jonker, Johan L. H., and W. Six, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray type selector switch circuit. 2,616,978, Nov. 4.
Jonkers, Cornelius O.: *See*—
Köhler, Jacob W. L., Jonkers, Stigter and Liebe.
Jonkopings Mekaniska Werkstads Aktiebolag, assignee: *See*—
Malmvik, Elof.
Paren, Per.
Joor, William E., Jr., Washington, D. C. Storage tank. 2,593,153, Apr. 15.
Joor, William E., Jr., Washington, D. C. Storage tank. 2,617,552, Nov. 11.
Joosten, Jean, Chevreuse, France. Steam generator. 2,621,635, Dec. 16.
Jordan, Anna M.: *See*—
Sesso, Louis M., and Jordan.
Jordan, Donald J., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Power plant governor. 2,618,324, Nov. 18.
Jordan, Edgar A.: *See*—
Barney, Mortimer D. and R. I., and Jordan.
Jordan, Edmund F., Jr.: *See*—
Port, William S., Jordan, and Swern.
Jordan, Eugene H., Los Angeles, Calif. Motorcycle and its front steering fork. 2,596,411, May 13.
Jordan, Frank, New York, N. Y. Window cleaning device. 2,598,699, June 3.
Jordan, Hans, assignor, by mesne assignments, to Given Machinery Company, Los Angeles, Calif. Safety means for garbage disposal devices. 2,603,328, July 15.
Jordan, Harry F., assignee: *See*—
Jordan, John F.
Jordan, Henry L., Holywell, J. Preston, and J. Sandham, Holway, Holywell, assignors to Courtaulds Limited, London, England. Machine for cutting rayon staple. 2,623,585, Dec. 30.
Jordan, Jacob, New Castle, assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa. Cup handling machine. 2,619,701, Dec. 2.
Jordan, James F., Huntington Park, Calif. Observing and controlling the process of a continuous Bessemer process. 2,595,792, May 6.
Jordan, James F., Huntington Park, Calif. Continuous mold alignment. 2,601,615, June 24.
Jordan, James F., Huntington Park, Calif. Grey cast iron containing graphite in spherulitic form. 2,606,112, Aug. 5.
Jordan, James F., Huntington Park, Calif. Melting furnace. 2,622,862, Dec. 23.
Jordan, James W., assignor of fifty per cent to L. W. Burgess, Tallulah, La. Fence post setting and pulling rig. 2,613,912, Oct. 14.
Jordan, John F., assignor of twenty-four per cent to L. S. Jordan, and twenty-four per cent to H. F. Jordan, Brownsville, Pa. Folding vehicle door construction. 2,581,797, Jan. 8.
Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency electrical heating method and apparatus. 2,587,331, Feb. 26.
Jordan, John T., Houston, Tex., assignor to Shell Development Company, Emeryville, Calif. Absorbing gases, including hydrogen sulfide. 2,596,692, May 13.
Jordan, Lawrence W., Bay Village, Ohio. Bottle seal and filter. 2,585,938, Feb. 19.
Jordan, Le Grand L., Los Angeles, Calif. Internal-combustion engine. 2,956,410, May 13.
Jordan, Louis S., assignee: *See*—
Jordan, John F.
Jordan, Morrill R., Boston, Mass. Distributor for watering plants. 2,588,245, Mar. 4.
Jordan, Paul O., Hudson, Wis. Air conditioning apparatus. 2,614,202, Oct. 14.
Jordan, Paul O., Hudson, Wis. Heat fixture. 2,619,577, Nov. 25.
Jordan Regulator Corporation, assignee: *See*—
Jordan, William V.
Jordan, Richard H., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven burner ignition and control mechanism. 2,607,415, Aug. 19.
Jordan, Robert L., Garland, Tex. Overvoltage responsive control circuits. 2,590,973, Apr. 1.
Jordan, Thomas E., Philadelphia, and E. L. Cline, Pittsburgh, Pa., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Polymerization by means of stannic chloride and a promoter therefor. 2,590,771, Mar. 25.
Jordan, Wesley A.: *See*—
Wittcoff, Harold, and Jordan.
Jordan, Wilbur F., assignor to Firestone Tire & Rubber Company, Akron, Ohio. Preparation of sponge rubber from foamed latex. 2,604,664, July 29.
Jordan, William V., assignor to Jordan Regulator Corporation, Lebanon, Ohio. Thermostatic mixing valve. 2,616,629, Nov. 4.
Jordon, Hugo V., La Paz, Bolivia. Slide calculator. 2,605,048, July 29.
Jorgensen, Aage E., Jersey City, N. J. Drive chains and chain drives adapted to use said chains. 2,613,546, Oct. 14.
Jörgensen, Anders O.: *See*—
Ericsson, Eric A., and Jörgensen.
Jörgensen, Anders O., Hallebergsvagen, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Electromagnetic relay with adjustable lever-relation. 2,588,534, Mar. 11.
Jörgensen, Anders O., Traneberg, and R. W. Ingre, Hagersten, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Spring set for electromagnetic relays and similar connecting apparatus. 2,582,131, Jan. 8.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Controlling means for fluid-operated machines. 2,585,131, Feb. 12.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid pressure controlling mechanism. 2,591,827, Apr. 8.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of shoes. 2,597,004,
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,614,275, Oct. 21.
Jorgensen, Clinton O., Gardena, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Direct current regulated power supply. 2,624,039, Dec. 30.
Jorgensen, Gordon L. and I. A., Clarion, Iowa. Magazine socket wrench. 2,605,666, Aug. 5.
Jorgensen, Herman R., Pasadena, Calif. Warming device. 2,617,005, Nov. 4.
Jorgensen, Irvin A.: *See*—
Jorgensen, Gordon L. and I. A.
Jorgenson, Kay R., assignee: *See*—
Ledbetter, Ellsworth C.
Joris, Gaston, Paris, France, assignor, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Steeping press. 2,601,400, June 24.
Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of crude phenol-acetone mixtures. 2,597,497, May 20.
Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Cumene oxidation. 2,613,227, Oct. 7.
Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Pretreatment of cumene by oxidation. 2,619,509, Nov. 25.
Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Pretreatment of aralkyl hydrocarbons with alkali metal hydroxide. 2,621,213, Dec. 9.
Josam Manufacturing Company, assignee: *See*—
Matheis, Aaron.
Joscelyne, Eric H.: *See*—
Scott, Roland, and Joscelyne.
Joseph, Alan H., assignor to Handy Manufacturing Company, Chicago, Ill. Polygonal framework type clamping machine. 2,623,560, Dec. 30.
Joseph, Bernard, Brooklyn, N. Y. Peg game board. 2,614,841, Oct. 21.
Joseph, Jay W., Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Lid support. 2,593,312, Apr. 15.
Joseph, Jay W., Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Paper-cutting knife. 2,608,757, Sept. 2.
Joseph, Nathan, Los Angeles, Calif. Brake operating mechanism. 2,614,663, Oct. 21.
Joseph, Paul F.: *See*—
Bowers, Frank, Joseph, and Holmes.
Joseph, Raymond J., assignor to E. Shipton & Company Limited, Ferndown, Northwood Hills, England. Polarized relay. 2,609,462, Sept. 2.
Joseph, Roy A., Petaluma, Calif. Egg washing machine. 2,597,148, May 20.
Josephson, Robert R., Costa Mesa, assignor to Kwikset Locks, Inc., Anaheim, Calif. Template for lock mortises. 2,585,470, Feb. 12.
Joslyn Mfg. and Supply Company, assignee: *See*—
Yonkers, Edward H.
Josselyn, Winsor, San Diego, Calif. Cutting pliers. 2,605,543, Aug. 5.
Jost, John A., Westfield, and E. Vogt, Elizabeth, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Heat exchange apparatus. 2,590,866, Apr. 1.
Jouandet, Christian, and J. Riegert, assignors to Esso Standard Societe Anonyme Francaise, Paris, France. Extreme pressure lubricant. 2,619,463, Nov. 25.
Jouguet, Marc, Orsay, assignor to Compagnie Industrielle des Telephones, Paris, France. Connecting device for wave guides. 2,594,031, Apr. 22.
Jouguet, Marc F. G., Orsay, assignor to Compagnie Industrielle des Telephones, Paris, France. System of transmission by wave guides. 2,612,559, Sept. 30.

Jourdain, André P., Brussels, Belgium, assignor to Compagnie Internationale des Pieux Armés Frankignoul, Liege, Belgium, Societe Anonyme. Movable device for driving piles and the like. 2,600,542, June 17.

Jourdain, André P., assignor to Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium. Machine movable in all directions for driving piles and the like. 2,609,667, Sept. 9.

Jourgensen, John L., assignee: *See*—
Miller, Dorothy L.
Miller, Dorothy L. and S. A.

Jourgensen, Sally, assignee: *See*—
Miller, Dorothy L.
Miller, Dorothy L. and S. A.

Jovick, Frank J., San Francisco, Calif., assignor of one-half to V. Jovick, Arlington, Va. Knee-supporting brace. 2,587,166, Feb. 26.

Jovick, Vance, assignee: *See*—
Jovick, Frank J.

Jowett Cars Limited, assignee: *See*—
Korner, Reginald J.

Joy, Alfred R.: *See*—
Starbuck, Robert M., and Joy.

Joy, Fred L., Ripley, Miss. Mold mandrel. 2,602,191, July 8.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Extension beam drafting instrument. 2,581,538, Jan. 8.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Mining apparatus. 2,581,667, Jan. 8.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Flexible metal compounds. 2,589,394, Mar. 18.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Reversible mining chain. 2,599,837, June 10.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Ornamental display device. 2,608,779, Sept. 2.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Portable conveyer. 2,616,553, Nov. 4.

Joy Manufacturing Company, assignee: *See*—
Baechil, George.
Baldwin, Clyde P.
Ball, Charles F.
Ball, Charles F., and Dalmaso.
Barrett, Arthur L.
Barrett, Arthur L., and Rollins.
Bebinger, Charles N.
Capp, Frank M., and Adamson.
Collins, Samuel C.
Collins, Samuel C., and Paget.
Curtis, John C.
Curtis, John C., and Gartin.
Curtis, John C., and Miller.
Curtis, John C., and Thompson.
Dudley, Victor I.
Goodrich, Ross H.
Johansen, Harry C.
Jones, Arden T., and Newport.
Joy, Joseph F.
Maxson, Louis A.
McCallum, Robert A.
Merck, John.
Miller, Earl E.
Minnis, Harold F.
Morrow, John D. A.
Murphy, Donald D.
Osgood, Charles F.
Osgood, Robert C.
Paget, Wm. W.
Russell, John D.
Silver, Harold F., and Steele.
Simmons, Leon E.
Simpson, James H., and Cloninger.
Sullinger, Francis E.
Vanderzee, Harry H.
Woolf, James W.

Joy, Robert T.: *See*—
Gurnick, Raymond S., and Joy.

Joyce-Cridland Company, The, assignee: *See*—
Grushon, Harold N.
Webster, Warren, and Berk.

Joyce, Harold L., Hartford City, Ind. Coupling for toy railway cars. 2,594,444, Apr. 29.

Joyce, Harold V., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicular heater. 2,612,829, Oct. 7.

Joyce, Inc., assignee: *See*—
Ford, George C.
Joyce, William H., Jr.

Joyce, James J., Portmouth, N. H. Mail delivery signal for mailboxes. 2,613,031, Oct. 7.

Joyce, John R., Wimbledon, London, assignor to Power Jets (Research & Development) Limited, London, England. Liquid fuel burner and the like. 2,590,772, Mar. 25.

Joyce, Joseph R., Milton, Mass. Electrical device and terminal therefor. 2,581,024, Jan. 1.

Joyce, Robert M.: *See*—
Hogsed, Milton J., and Joyce.

Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of chlorotrifluoroethylene, and olefinic hydrocarbon and a vinyl carboxylate. 2,599,640, June 10.

Joyce, William H., Jr., assignor to Joyce, Inc., Pasadena, Calif. Shoe with tapered rocker type midsole. 2,611,978, Sept. 30.

Joyner, James E., Salt Lake City, Utah. Salt water evaporator. 2,617,759, Nov. 11.

Joyner, John M.: *See*—
Chase, Donald C., and Joyner.

Joyner, William H., Atlanta, Ga. Device for indicating contents of freight cars. 2,592,289, Apr. 8.

Joynes, Ernest R., Oakland, Calif. Double-diameter indicator gauge. 2,604,701, July 29.

Jozefczyk, Andrew M., Detroit, Mich. Ear cleaning device. 2,617,420, Nov. 11.

Jozwik, John C.: *See*—
Beck, Henry E., Jozwik, and Innes.

Jozwik, John C., State College, N. Mex., assignor to J. I. Case Company, Racine, Wis. Corn husking roll. 2,610,633, Sept. 16.

Jubanowsky, Louis J.: *See*—
Patton, Temple C., and Jubanowsky.

Jubb, Albert, Buttershaw, Bradford, assignor to Rolls-Royce Limited, Derby, England. Fuel metering means for gas-turbine engine fuel systems. 2,605,709, Aug. 5.

Jubilee Manufacturing Company, assignee: *See*—
Nielsen, Richard C. and P.

Jucker, Ernst: *See*—
Patton, Temple C., and Jubanowsky.

Juckniess, Paul R., assignor to The Dow Chemical Company, Midland, Mich. Electric graphitizing furnace. 2,621,218, Dec. 9.

Juda, Walter, assignor, by mesne assignments to Ionics, Incorporated, Cambridge, Mass. Purifying water. 2,609,341, Sept. 2.

Juda, Walter, Cambridge, Mass., assignor to Pyrotron Development Corporation, New York, N. Y. Fire retardant. 2,616,866, Nov. 4.

Juda, Walter, Cambridge, and M. Carron, Boston, assignor, by mesne assignment, to Ionics, Incorporated, Cambridge, Mass. Regenerating anion exchange materials and composition therefor. 2,599,558, June 10.

Judd, Charles M., assignor to The Chas. W. Breneman Co., Cincinnati, Ohio. Adhesive window shade mounting. 2,618,333, Nov. 18.

Judd, Chester K., Jr., Bristol, assignor to The Fletcher-Terry Company, Forestville, Conn. Glass cutting device. 2,591,828, Apr. 8.

Judd, Chester K., Jr., Bristol, assignor to The Fletcher-Terry Company, Forestville, Conn. Glass cutting board. 2,619,775, Dec. 2.

Judd, Edwin B., and A. Butrym, Schenectady, N. Y., assignors to General Electric Company. Adjustable torque device. 2,607,820, Aug. 19.

Judd, Edwin G., Vancouver, Wash. Method of and apparatus for washing residues. 2,594,175, Apr. 22.

Judd, Frederick V. H., Canton, assignor to United Aircraft Corporation, East Hartford, Conn. Adjustable propeller cuff. 2,580,789, Jan. 1.

Judd, Thresa R., Portland, Oreg. Hair waver. 2,621,280, Dec. 9.

Judelson, David N., Park Ridge, N. J. Machine for cutting webs of material into strips. 2,593,154, Apr. 15.

Judelson, David N., Park Ridge, N. J. Blade holder. 2,594,932, Apr. 29.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling systems. 2,605,390, July 29.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Traffic direction control for coded track circuit signaling systems. 2,617,014, Nov. 4.

Judisch, Carl H., assignor to The Whitney Blake Company, Hamden, Conn. Forming extensible and retractable cords. 2,586,703, Feb. 19.

Judson, Albert L.: *See*—
Cunningham, Lewis L., and Judson.
Sprague, Chester E., and Judson.

Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Electric switch. 2,598,556, May 27.

Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Stoker control system. 2,601,529, June 24.

Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Safety timing switch. 2,610,278, Sept. 9.

Judson, Charles A., Borrowash, J. R. Read, Duffield, and P. E. Hunter, Chellaston, assignors to Rolls-Royce Limited, Derby, England. Multistage turbine disk construction for gas turbine engines. 2,614,799, Oct. 21.

Juergens, John: *See*—
Soreng, Edgar M., and Juergens.

Jugana, Charles J., Bloomingdale, N. J. Exercising toy. 2,614,505, Oct. 21.

Jugle, Leonard L.: *See*—
Cook, John B., and Jugle.

Juhlin, Rolf: *See*—
Bonell, Frans T. B., and Juhlin.

Juhola, Carl, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Voltage regulation system. 2,590,180, Mar. 25.

Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple driving means for portable pneumatic staplers. 2,585,939, Feb. 19.

Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Valve control system for portable pneumatic staplers. 2,585,940, Feb. 19.

Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple magazine and feed means for pneumatic staplers. 2,585,941, Feb. 19.

Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple feed mechanism for portable pneumatic staplers. 2,585,942, Feb. 19.

Juillard, Yves J. G., Mulhouse, France, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay with compensated contact pressure. 2,621,269, Dec. 9.

Jukes, Thomas H., Suffern, assignor to American Cyanamid Company, New York, N. Y. Animal and poultry feed containing aureomycin mash. 2,619,420, Nov. 25.

Julian, John D., Marion, Ind. Easy chair. 2,597,105, May 20.

Julian, Percy L., Maywood, E. W. Meyer, and R. Schroeder, Chicago, and A. Magnani, Wilmette, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation and degradation of steroid amines. 2,582,258, Jan. 15.

Julian, Percy L., Maywood, E. W. Meyer, and H. Printy, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. 16-alkyl steroids and preparing. 2,588,391, Mar. 11.

Julian, Percy L., Maywood, S. J. Circle, Chicago, Ill., and R. T. MacDonald, Minneapolis, Minn., assignors to The Glidden Company, Cleveland, Ohio. Improving alkali-soluble acid-precipitable vegetable protein. 2,588,392, Mar. 11.

Julian, Percy L., Maywood, and E. W. Meyer, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of etio-steroid acids. 2,606,911, Aug. 12.

Julian, Ralph J., Spokane, Wash. Electric shaver. 2,584,590, Feb. 5.

Juliano, Arthur A., Kansas City, Mo. Camera support. 2,586,954, Feb. 26.

Julian's, Inc., assignee: *See*—
Hutaff, Julian B.

Julius, Awdry F., Sydney, assignor to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia. Ticket printing and transaction registering means for race totalizators. 2,623,454, Dec. 30.

Julius, Awdry F., and G. A. Julius, deceased, Sydney, by E. D. O. Julius, Killara, near Sydney, and A. F. Julius and R. S. Hicks, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia. Gear assembly for totalizators. 2,580,790, Jan. 1.

Julius, Awdry F., and G. A. Julius, deceased, Sydney, New South Wales, Australia, by E. D. O. Julius, Killara, near Sydney, New South Wales, and A. F. Julius and R. S. Hicks, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia. Odds ratio relay unit for race totalizators. 2,590,974, Apr. 1.

Julius, Awdry F., Sydney, New South Wales, and G. A. Julius, deceased, Sydney, New South Wales, Australia, by E. D. O. Julius, Killara, near Sydney, New South Wales, and A. F. Julius and R. S. Hicks, executors, assignors to Automatic Totalisators Limited, Sydney, New South Wales, Australia. Type ribbon feed device for race totalizator ticket issuers. 2,592,706, Apr. 15.

Julius, Eva D. O., executrix: *See*—
Julius, Awdry F. and G. A.

Julius, George A.: *See*—
Julius, Awdry F. and G. A.

Julliard, Maurice, Paris, France. Pocket typewriter with rotary and translatory work support. 2,603,336, July 15.

Julliard, Maurice, Paris, France. Type lever actuating mechanism for extra-low portable typewriters. 2,603,337, July 15.

Julliard, Maurice E., Paris, France. Combination lock. 2,595,267, May 6.

Jun, Erik H., Bagn, Norway. Coupling device for electric cables. 2,591,437, Apr. 1.

June, David H., Bronx, N. Y. Coin purse and the like. 2,612,200, Sept. 30.

Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Collapsible tube roller. 2,583,511, Jan. 22.

Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Collapsible tube roller. 2,614,729, Oct. 21.

Jung, August C., Elkhorn, Wis. Mailbox support. 2,587,856, Mar. 4.

Jung, Oscar H., Milwaukee, Wis. Wick oiler. 2,610,706, Sept. 16.

Junge, Clarence W.: *See*—
Brill, William E., and Junge.

Jungjohann, William, Muscatine, Iowa. Curtain stretcher. 2,604,725, July 29.

Junker, Alex J., and J. J. Koski, assignors to Willys-Overland Motors, Inc., Toledo, Ohio. Switch construction. 2,616,002, Oct. 28.

Junkin, George T.: *See*—
Orr, Raymond F., and Junkin.

Junkin, John L., Los Angeles, Calif. Hydraulic lift platform truck. 2,604,640, July 29.

Junkin, Newton R., Detroit, Mich. Display device. 2,588,635, Mar. 11.

Junkins, Raymond D., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Boiler efficiency instrument. 2,596,030, May 6.

Junkunc, Alexander, Jr., assignee: *See*—
Junkunc, Béla B.

Junkunc, Alexander, Sr., assignee: *See*—
Junkunc, Béla B.
Junkunc, Bela B., and Mazanek.

Junkunc, Béla B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J. & J. Tool and Machine Co., Chicago, Ill. Cornice support bracket. 2,594,655, Apr. 29.

Junkunc, Béla B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J. & J. Tool and Machine Co., Chicago, Ill. Cornice mounting bracket. 2,594,656, Apr. 29.

Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J. & J. Tool & Machine Co., Chicago, Ill. Cornice. 2,604,155, July 22.

Junkunc, Bela B., assignor to B. B., A., Sr., A., Jr., and J. G. Junkunc, doing business as J & J Tool and Machine Co., Chicago, Ill. Support for cornices and Venetian blinds. 2,616,495, Nov. 4.

Junkunc, Bela B., assignor to B. B., A., Sr., A., Jr., and J. G. Junkunc, a partnership donig business as J & J Tool & Machine Co., Chicago, Ill. Venetian blind rail. 2,616,496, Nov. 4.

Junkunc, Bela B., and W. Mazanek, assignors to B. B., A., Sr., A., Jr., and J. G. Junkunc, a partnership doing business as J & J Tool & Machine Co., Chicago, Ill. Cutting machine 2,606,613, Aug. 12.

Junkunc, Joseph G., assignee: *See*—
Junkunc, Bela B.
Junkunc, Bela B., and Mazanek.

Jupiter Steam Appliances, Inc., assignee: *See*—
Kupka, John J.

Jurasevich, Elsie M., assignee: *See*—
Jurasevich, Mitchell L.

Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif. Interlocking roofing or siding. 2,590,708, Mar. 25.

Jurgens, Henry A.: *See*—
Johnson, Reynold B., Jurgens and Moneagle.

Jurgens, Herman E., Compton, Calif. Brake mechanism for motor-operated vehicles. 2,602,525, July 8.

Jurgens, Willi H. F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Resilient member having parallel terminal surfaces. 2,607,582, Aug. 19.

Jurisch, Melvin J.: *See*—
Hansman, John F., and Jurisch.

Jurkow, Julius, assignor of fifty per cent to Sheridan Flouring Mills, Inc., Sheridan, Wyo. Lid for flour sifters. 2,599,641, June 10.

Just, Christian, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Suction end-catcher in ring spinning and twisting machines. 2,583,849, Jan. 29.

Justice, George E., and L. W. Storm, assignors to Houston Oil Field Material Company, Houston, Tex. Pressure type releasing washover overshot. 2,621,960, Dec. 16.

Justice, Raymond W., Youngstown, Ohio. Apparatus for testing packing materials. 2,611,263, Sept. 23.

Justin, Arthur B.: *See*—
Huffman, Lloyd S., and Justin.

Justrite Manufacturing Company, assignee: *See*—
Packer, Charles S., and Olsen.

Justus, Edgar J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Traction motor control. 2,617,970, Nov. 11.

Juvinall, James W.: *See*—
Dvorak, Howard A., Juvinall, and Miller.

Juvrud, Merlin O., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-voltage rectifier disk. 2,585,014, Feb. 12.

Juy, Lucien, Dijon, France. Change-speed gear for cycles and the like. 2,590,975, Apr. 1.

Juy, Lucien C. H., Dijon, France. Variable-speed gear. 2,598,557, May 27.

Juza, John A., Spencer, Iowa. Bowling ball. 2,593,565, Apr. 22.

K. A. C. Limited, assignee: *See*—
Llewhellin, Thomas G.
Love, John, and Sutherland.

K-D Manufacturing Company, assignee: *See*—
Kulp, Harry W.
Schneider, Nathan.

K. N. H. Corporation, assignee: *See*—
Nemir, Clarence T.

K-P Manufacturing Co., assignee: *See*—
Anderson, Axel G.

K. T. Laboratories, Inc., assignee: *See*—
Knobel, Max.

KXOK, Inc., assignee: *See*—
Rekart, Arthur F.
Knap, Lawrence E.: *See*—
Strehlow, Robert W., Olson, and Knap.
Knas, Samuel M., Philadelphia, Pa. Faucet. 2,595,856, May 6.
Knasa, Orin G., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Catalytic conversion of hydrocarbons and the stripping of the fouled catalyst particles with steam. 2,613,173, Oct. 7.
Kabacoff, Bernard L.: *See*—
Elving, Philip J., Shoemaker, Kabacoff, and Nagelburg.
Kabanuck, Nicholas J., San Rafael, Calif. Opener for canned liquids. 2,588,731, Mar. 11.
Kabell, Louis J. R. A., Richards, and A. L. Dyer, Albuquerque, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Automatic cable tester or fault analyzer means. 2,622,130, Dec. 16.
Kaberg, Russell A., assignor to Monsanto Chemical Company, St. Louis, Mo. Setting fruit and composition therefor. 2,614,918, Oct. 21.
Kabuss, Norbert G., Monterey Park, assignor to Gilfillan Bros., Incorporated, Los Angeles, Calif. Magnetic means for producing compensations and other effects in a cathode-ray tube. 2,591,159, Apr. 1.
Kacena, Jerome, Chicago, Ill. Scraper-blade assembly for plaster mixers and the like. 2,580,551, Jan. 1.
Kacena, Richard J., Chicago, Ill. Adjustable wheel mounting for concrete mixers or the like. 2,587,046, Feb. 26.
Kacsor, Paul J., Cleveland, Ohio. Fishing rod handle and holder therefor. 2,596,247, May 13.
Kaczka, Edward A., Elizabeth, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 2,4,5-triamino-6-alkoxy pyrimidines and preparing same. 2,584,024, Jan. 29.
Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Turbo-supercharged internal-combustion engine having implosive inlet and explosive exhaust. 2,581,668, Jan. 8.
Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Gas turbine power plant with tank supplied by long conduit having volume over six times that of the intermittent combustion gas generator. 2,581,669, Jan. 8.
Kadenacy, Michel, deceased, Summit, N. J.; N. K. Guercken, executrix. Power plant, including a combustion chamber and an impulse turbine driven by exhaust gases from the chamber. 2,583,430, Jan. 22.
Kaderávek, Václav, Gottwaldov-Otrokovice, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Apparatus for feeding leather to smoothing presses. 2,588,845, Mar. 11.
Kadesky, David, assignor to V. V. Suglian, D. Kadesky, E. V. Blak, and D. A. Gold, copartners doing business under the name of Green's Eye Hospital, San Francisco, Calif. Surgical trephine. 2,598,060, May 27.
Kadets, Martin, and V. N. Moody, Chandler, Ariz., assignors to Kareed Corporation, Cambridge, Mass. Backlash eliminator for fishing reels. 2,608,358, Aug. 26.
Kadlec, Zdeněk, and E. Douša, Prague, assignors to Meopta, national corporation, Prerov, Czechoslovakia. Precision balance. 2,614,825, Oct. 21.
Kaehni, Frank J.: *See*—
Kaehni, William J. and F. J.
Kaehni, William L., deceased, and F. J. Kaehni, Cleveland, Ohio; F. J. Kaehni, executor of said W. L. Kaehni. Electron compass. 2,587,481, Feb. 26.
Kaehni, William L. and F. J., Cleveland, assignor to Metal Carbides Corporation, Youngstown, Ohio. Method and apparatus for controlling the generation and application of heat. 2,604,936, July 29.
Kaehni, William L. and F. J., Cleveland, assignors to Metal Carbides Corporation, Youngstown, Ohio. Heat exchange method and apparatus. 2,605,377, July 29.
Kaeintz, Robert F., assignor of forty-five per cent to L. D. Holdren, San Francisco, Calif. Automobile footrest. 2,595,526, May 6.
Kåell, Knut, and E. W. Hullegård, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Gaseous tube selecting switch for use in automatic telephony. 2,598,392, May 27.
Kaeppler, Eugen, Lenzburg, Switzerland. Device for controlling the speed of motor vehicles. 2,585,785, Feb. 12.
Kafer, Clare H., Palmyra, assignor to Revco, Inc., Deerfield, Mich. Refrigerator door or lid. 2,620,520, Dec. 9.
Kafer, Clare H., Palmyra, assignor to Revco, Inc., Deerfield, Mich. Refrigerator door or lid. 2,622,284, Dec. 23.
Kafka, Nicholas, Bellwood, Ill., assignor to Zenith Radio Corporation. Supporting structure for electron discharge devices. 2,593,034, Apr. 15.
Kagan, William, University City, Mo. Thermostatic heat and fire control. 2,585,656, Feb. 12.
Kagay, Vestal A., and J. L. Robison, assignors to Merla Tool Corporation, Dallas, Tex. Liquid level control device. 2,599,713, June 10.
Kågefors, Oskar I. A., Landsbro, assignor to Hyresgästernas Sparkasse-och Byggnadsföreningars Riksförbund u. p. a., Stockholm, Sweden. Device for clinching nails. 2,582,782, Jan. 15.
Kagy, John F., Long Beach, and R. R. McPherson, Millbrae, Calif., assignors to The Dow Chemical Company, Midland, Mich. Plant growth improvement. 2,596,929, May 13.
Kahan, Theodore, assignor to Office National d'Etudes et de Recherches Aéronautiques, Paris, France. Ultra-high-frequency magnetometer. 2,597,149, May 20.
Kahl, Joseph, and G. H. Muller; said Muller assignor to G. M. Manufacturing Company, New York, N. Y. Machine for measuring and dispensing variable volumes of liquids. 2,593,889, Apr. 22.
Kahle, Bruno A., Tomahawk, Wis. Snow vehicle. 2,601,991, July 1.
Kahle Engineering Company, assignee: *See*—
Kahle, Louis C.
Kahle, Louis C., Teaneck, assignor to Kahle Engineering Company, North Bergen, N. J. Machine for making glass articles. 2,596,899, May 13.
Kahle, Walter R., and E. R. Johnson, assignors to The Morris Machine Tool Company, Cincinnati, Ohio. Piston weighing and assorting machine. 2,612,995, Oct. 7.
Kahlen, Johannes W., West Vancouver, British Columbia, Canada. Hammer head having rebound-preventing means. 2,604,914, July 29.
Kahler, Oscar H., Pueblo, Colo. Boat troller. 2,582,754, Jan. 15.
Kahlert, William G., St. Paul, Minn. Sanitary bag for animals. 2,585,251, Feb. 12.
Kahn, Albert, Associated Architects & Engineers, Inc., assignee: *See*—
Kramrisch, Fritz.
Kahn, Allen, Belmont, Calif. Portable barbecue grill. 2,619,951, Dec. 2.
Kahn, August, deceased, Seaford, N. Y., by H. H. Kahn, executrix, assignor to The Alumiline Corporation, Brooklyn, N. Y. Door frame with adjustable head. 2,619,687, Dec. 2.
Kahn, Benjamin: *See*—
Orshansky, Elias, Jr., Southack, and Kahn.
Pruitt, Willis, and Pope.
Kahn, Benjamin, Gadsden, Ala. Stop-motion for pile-weaving machines. 2,609,847, Sept. 9.
Kahn, Bertrand B., Cincinnati, and P. F. Metz, assignors to Noma Electric Corporation, Hamilton, Ohio. Stove. 2,580,927, Jan. 1.
Kahn, Bertrand B., Cincinnati, and P. F. Metz, Hamilton, Ohio, assignors to Noma Electric Corporation, New York, N. Y. Magazine type solid fuel burning heater. 2,595,146, Apr. 29.
Kahn, David: *See*—
Weisser, Karl, and Kahn.
Kahn, David, Englewood, and K. Weisser, Creeskill, assignors to David Kahn, Inc., North Bergen, N. J. Fountain pen. 2,605,746, Aug. 5.
Kahn, David, Inc., assignee: *See*—
Kahn, David, and Weisser.
Weisser, Karl, and Kahn.
Kahn, Elliott H., Brooklyn, N. Y. Phonograph needle or stylus. 2,619,353, Nov. 25.
Kahn, Elliott H., M. I. Budka, and H. U. Friedman, Brooklyn, N. Y. Disk type phonograph apparatus. 2,622,882, Dec. 23.
Kahn, Frank, Philadelphia, Pa. Relative humidity meter. 2,603,972, July 22.
Kahn, Gertrude, New York, N. Y. Spray guard for knives. 2,590,709, Mar. 25.
Kahn, Harriet H., executrix: *See*—
Kahn, August.
Kahn, James M., Glencoe, assignor to Infilco Incorporated, Chicago, Ill. Denerating apparatus. 2,580,791, Jan. 1.
Kahn, James M., Glencoe, assignor to Infilco Incorporated, Chicago, Ill. Cooking liquor treatment. 2,592,907, Apr. 15.
Kahn, Lawrence M., New York, N. Y. Shirt form with collar strip lock. 2,615,601, Oct. 28.
Kahn, Leo M., Brooklyn, N. Y. Automatic balancing system for rotatable article handling machines. 2,610,523, Sept. 16.
Kahn, Leo M., Island Park, N. Y. Washing and the extraction of wash water. 2,588,535, Mar. 11.
Kahn, Leo M., Island Park, N. Y. Combined washing and squeeze drying machine. 2,611,257, Sept. 23.
Kahn, Leonard R., New York, N. Y., assignor to Radio Corporation of America. Diversity reception. 2,604,586, July 22.
Kahn, Leonard R., New York, and W. Lyons, Flushing, N. Y., assignors to Radio Corporation of America. Transmitter keyer. 2,600,248, June 10.
Kahn, Louis, assignor to Aerovox Corporation, New Bedford, Mass. Control system. 2,613,255, Oct. 7.
Kahn, Mack, Cedarhurst, assignor to Artistic Foundations, Inc., New York, N. Y. Foundation garment. 2,607,037, Aug. 19.
Kahn, Milton, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrodepositing uranium dioxide. 2,581,863, Jan. 8.
Kahn, Milton, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrodeposition of metal salts. 2,608,530, Aug. 26.

Kahn, Samuel: *See*—
Ingham, Robert J., Jr., and Kahn.
Samuel, Abe O., and Kahn.
Kåhr, Gustaf, Stockholm, Sweden. Flooring. 2,605,513, Aug. 5.
Kahr, Kurt, Ems, assignor to Inventa A.-G. für Forschung und Patentverwertung Luzern, Luzern, Switzerland. Separating lactams. 2,605,261, July 29.
Kahr, Kurt, Ems, assignor to Inventa A.-G. Für Forschung und Patentverwertung Luzern, Lucerne, Switzerland. Producing aqueous solutions of ammonium nitrite. 2,606,813, Aug. 12.
Kaikinger, Philippe, Selzaete, Belgium, assignor to Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Ammonization. 2,614,040, Oct. 14.
Kain, Clifford H., Los Altos, Calif. Valve. 2,580,433, Jan. 1.
Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Hesch, Frederick H.
La Rue, Donald G.
Murphy, Daniel C.
Smith, Arthur D.
Vettel, Arthur W.
Vettel, Arthur W., and Israel.
Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Synthetic resins prepared from biguanide-aldehyde condensation products. 2,596,930, May 13.
Kaiser, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanamines. 2,606,904, Aug. 12.
Kaiser, Donald W., Old Greenwich, and P. F. Hopper, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of diarylguanidines. 2,615,045, Oct. 21.
Kaiser, Edward W., Chicago, Ill. Pipe joint fitting. 2,592,574, Apr. 15.
Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Steroid 6-acetic acids. 2,584,091, Jan. 29.
Kaiser, Emil, A. L. Andersen, Jr., and J. J. Svarz, assignors to Armour and Company, Chicago, Ill. Preparation of cyclic substituted synthetic estrogens. 2,586,343, Feb. 19.
Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Esters of cyclopentanoperhydrophenanthrene-3-malonic acids. 2,592,036, Apr. 8.
Kaiser, Erwin J., assignor to Giddings & Lewis Machine Tool Company, Fond du lac, Wis. Boring cutter. 2,605,655, Aug. 5.
Kaiser-Frazer Corporation, assignee: *See*—
Logue, Raymond L.
Maxwell, John A.
Kaiser Gypsum Company, assignee: *See*—
Riddell, Wallace C., and Kirk.
Kaiser, H. S., Company, assignee: *See*—
Kaiser, Harry S.
Kaiser, Harry S., assignor to H. S. Kaiser Company, Chicago, Ill. Apparatus for closing interlocking seams. 2,621,621, Dec. 16.
Kaiser, Henry J., Company, assignee: *See*—
Riddell, Wallace C., and Kirk.
Kaiser, Henry R., Pittsburgh, Pa. Timer attachment for telephones. 2,609,045, Sept. 2.
Kaiser, John, Jr., Cicero, Ill. Accessory tray for scrub pails. 2,594,176, Apr. 22.
Kaiser, Joseph, Hollis, N. Y. Apparatus for making French cord binding. 2,598,700, June 3.
Kaiser, Karl B., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Finishing cutter. 2,586,955, Feb. 26.
Kajola, Niilo A., Helsinki, Finland. Laboratory device for determining melting points. 2,595,386, May 6.
Kalafus, Edward F., assignor to The General Tire and Ruhber Company, Akron, Ohio. Rubber-to-metal adhesives and making same and use thereof. 2,619,445, Nov. 25.
Kalamazoo Sled Company, The, assignee: *See*—
Sedlacek, Henry J.
Kalart Company, Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.
Kalaway, John A., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spaced plate circuit interrupter. 2,590,543, Mar. 25.
Kalb, John W., Barberton, Ohio, assignor to General Electric Company. Arc extinguishing device. 2,608,599, Aug. 26.
Kalb, John W., Barberton, Ohio, assignor to General Electric Company. Air gap construction. 2,614,232, Oct. 14.
Kalb, John W., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Spark gap device. 2,623,192, Dec. 23.
Kalb, John W., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Spark gap device. 2,623,197, Dec. 23.
Kalb, Robert M.: *See*—
Cohen, Arnold A., Hill, and Kalb.
Kalbach, John C., Bronx, assignor to Hydrocarbon Research, Inc., New York, N. Y. Production of high heating value fuel gas. 2,623,816, Dec. 30.
Kalbach, John C., assignor to Hydrocarbon Research, Inc., New York, N. Y. Conversion of carbonaceous materials into a fuel gas. 2,609,283, Sept. 2.
Kalberg, Victor N., Chicago, Ill., assignor to Scientific Oil Compounding Company, Inc. Preparation of a soluble metal quinolinolate. 2,608,556, Aug. 26.
Kalfaian, Meguer, Asbury Park, N. J. Simultaneous amplitude modulation and phase modulation with economy in bandwidth. 2,611,826, Sept. 23.
Kalfaian, Meguer, Asbury Park, N. J. Speech wave analysis. 2,613,273, Oct. 7.
Kalfaian, Meguer, Los Angeles, Calif., and R. E. McCoy, Portland, Oreg. Multiplex communication system. 2,618,706, Nov. 18.
Kalfaian, Meguer V., Hollywood, Calif. Modulator tube and circuit. 2,587,734, Mar. 4.
Kalfaian, Meguer V., Hollywood, Calif. Phase modulation system. 2,615,986, Oct. 28.
Kalhoefer, Thelma E., Bowie, Tex. Portable electric refrigerator. 2,603,071, July 15.
Kalichevsky, Vladimir A., and H. L. Sandlin, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Desulfurization of phenols. 2,617,833, Nov. 11.
Kalikow, Irving, Swampscott, Mass., assignor to General Electric Company. Lubricant fitting. 2,611,450, Sept. 23.
Kalinske, Anton A.: *See*—
Green, Walter H., and Kalinske.
Kalinske, Anton A., Elmhurst, assignor to Infilco Incorporated, Chicago, Ill. Dissolving and slurrying tank. 2,603,460, July 15.
Kaliski, Theodore V., Chicago, Ill. Shoe shining cabinet. 2,603,815, July 22.
Kalitinsky, Andrew, New York, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Free-piston compressor. 2,581,191, Jan. 1.
Kalitinsky, Andrew, Oak Ridge, Tenn., assignor to United Aircraft Corporation, East Hartford, Conn. Splitter vane construction for gas valves. 2,590,976, Apr. 1.
Kalix, John, deceased, Dayton, Ohio; T. Kalix, executrix. Hydroelectric power unit. 2,621,483, Dec. 16.
Kalix, Theresa, executrix: *See*—
Kalix, John.
Kalkstein, Samuel I., Bellmawr, assignor to MacAndrews and Forbes Company, Camden, N. J. Foam-producing composition and preparing same. 2,618,594, Nov. 18.
Kåll, Oscar E., Ljungby, Sweden. Level control apparatus relating to filling of receptacles which are closed by flaps. 2,584,465, Feb. 5.
Kalla, Alexander, Jr., Linden, N. J. Storm window or window screen. 2,604,676, July 29.
Kalle & Co. Aktiengesellschaft, assignee: *See*—
Reichel, Maximilian K.
Källe, Karl T., Saffle, Sweden. Pump and motor pneumohydraulic transmission system. 2,598,177, May 27.
Källe, Karl T., Saffle, Sweden. Temperature responsive measuring and indicating apparatus. 2,598,178, May 27.
Källe, Karl T., Saffle, Sweden. Temperature responsive measuring and indicating apparatus. 2,599,459, June 3.
Kallenberg, John: *See*—
Essex, Alois, Garrett, and Kallenberg.
Kallenborn, John, Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Electrically conductive stripe applicator. 2,597,106, May 20.
Kaller, John S., Lot, Vikingstad, Sweden. Fertilizer spreader. 2,623,751, Dec. 30.
Kallgren, Carl A.: *See*—
Hagen, Clarence R., and Kallgren.
Kalling, Bo M. S., Domnarvet, Sweden. Reducing ores without melting. 2,593,398, Apr. 22.
Kalling, Bo M. S., Domnarvet, R. S. M. Sundgren-Wallden, and S. J. Wallden, Stockholm, and K. A. Sivander, Perstorp, assignors to Boldens Gruvaktiebolag, Stockholm, Sweden. Electrolytically recovering nickel. 2,595,387, May 6.
Kalling, Bo M. S., Domnarvet, and O. L. Lindskog, Borlange, Sweden. Method in carrying out treatment of melted pig iron or other alloyed iron. 2,598,393, May 27.
Kalling, Bo M. S., P. Å. C. Danielsson, and O. J. L. Dragge, Domnarvet, Sweden. Desulfurization of iron and iron alloys. 2,622,977, Dec. 23.
Kallmann, Hartmut P., Bellaire, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Noise reducer in scintillation counting. 2,590,867, Apr. 1.
Kallmann, Heinz E., New York, N. Y. Producing electric currents with cyclic wave form. 2,581,798, Jan. 8.
Kallmann, Heinz E., New York, N. Y. Electron multiplying device. 2,617,948, Nov. 11.
Kallok, John L., Torrance, assignor to Montrose Chemical Corporation of California, Los Angeles, Calif. Crystallization of DDT. 2,590,544, Mar. 25.
Kallstenius, Torsten K. E.: *See*—
Kjellman, Walter, and Kallstenius.
Kalmadge, Charles J., Milwaukee, Wis. Air conditioner and humidifier. 2,585,132, Feb. 12.
Kalmon, Ben, Cleveland, Ohio. X-ray anode current controller. 2,607,011, Aug. 12.

Kalmus, Henry P., and G. O. Striker, Chicago, Ill. Device for the amplification of minute space currents. 2,605,428, July 29.

Kalosy, John A., Caldwell, N. J. Single string musical instrument. 2,587,735, Mar. 4.

Kaltenbach, Ernest M., Yucaipa, Calif. Saw set. 2,617,318, Nov. 11.

Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Supporting truss members for cycle saddles. 2,612,206, Sept. 30.

Kaltoft, Sigurd, assignor of one-half to George Delfino and Sons, Bakersfield, Calif. Two-way plow. 2,582,337, Jan. 15.

Kalwajtys, Raymond S., Chicago, Ill. Display album. 2,616,431, Nov. 4.

Kaman, Frank A.: *See*—
Larson, Gilbert B., and Kaman.

Kamborian, Jacob S., West Newton, Mass. Double wiper lasting machine. 2,607,936, Aug. 26.

Kamborian, Jacob S., West Newton, Mass. Apparatus for use in cement lasting footwear. 2,614,527, Oct. 21.

Kamen, Ira, assignor to Commercial Radio-Sound Corp., New York, N. Y. Coupler for wave transmission lines. 2,615,948, Oct. 28.

Kamin, George W., Lombard, and L. E. Wolske, assignors to Cribben and Sexton Company, Chicago, Ill. Range and range top extension. 2,598,266, May 27.

Kamkap, Inc., assignee: *See*—
Terry, George C.

Kamler, Benedict R., South Haven, Mich., assignor to E. Gray, Chicago, Ill. Phonograph mechanism. 2,582,592, Jan. 15.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation, Baltimore, Md. Manufacture of symmetrical diarylhydrazines. 2,600,000, June 10.

Kamlet, Jonas, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of manganese dioxide from manganous sulfate solutions. 2,614,030, Oct. 14.

Kamlet, Jonas, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of hydroquinone. 2,614,127, Oct. 14.

Kamlet, Jonas, New York, N. Y., and W. T. McLaughlin, assignors to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Stable concentrated herbicidal compositions. 2,606,830, Aug. 12.

Kamlet, Jonas, New York, N. Y., and W. T. McLaughlin, assignors to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Compositions for stabilization of herbicide concentrates. 2,606,876, Aug. 12.

Kamlukin, Igor: *See*—
Strehlow, Walter F., and Kamlukin.

Kamlukin, Igor, assignor to Badger State Gear Company, Inc., Milwaukee, Wis. Chain holst. 2,623,731, Dec. 30.

Kamm, Clarence W., and C. W. Sisco, assignors to Surface Combustion Corporation, Toledo, Ohio. Apparatus for detecting water vapor in gases. 2,593,313, Apr. 15.

Kamm, George N., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Oscillator. 2,586,167, Feb. 19.

Kamm, Lawrence J., assignor to The Teleregister Corporation, New York, N. Y. Static electromagnetic memory device. 2,614,167, Oct. 14.

Kamm, Wunibald I. E.: *See*—
Krautter, Willy F., Staiger, and Kamm.

Kammandel, Heinz J., Woodside, N. Y. Airplane propeller. 2,597,998, May 27.

Kammer, Frank: *See*—
Weiss, Harry, and Kammer.

Kammerer, Archer W., Fullerton, Calif. Expansible rotary drill bit. 2,599,060, June 3.

Kammerer, Harry J., Mount Vernon, N. Y. Window structure. 2,585,471, Feb. 12.

Kammlade, William G., Jr., assignor of one-half to W. G. Kammlade, Sr., Urbana, Ill. Shearing, cutting, and trimming device. 2,594,177, Apr. 22.

Kammlade, William G., Sr., assignee: *See*—
Kammlade, William G., Jr.

Kammritz, Arthur E., East Hartford, Conn. Installing propeller shaft struts. 2,582,040, Jan. 8.

Kamp, Carl O., assignor to Caterpillar Tractor Co., Peoria, Ill. Rotary grinding table. 2,590,325, Mar. 25.

Kamp, Harry F., Cincinnati, Ohio. Method and composition for coloring eggs. 2,593,566, Apr. 22.

Kampel, Everett, Hartford, Conn. Guideline supporting apparatus for bricklaying. 2,623,289, Dec. 30.

Kampel, Everett, Hartford, Conn. Line holding clip for bricklaying. 2,623,290, Dec. 30.

Kamper, Andrew M., assignor to Humber Limited, Coventry, England. Power-transmission mechanism. 2,611,886, Sept. 23.

Kampfer, Charles W., St. Paul, Minn. Universal link. 2,619,843, Dec. 2.

Kampouris, Nicholas E., Gary, Ind. Retaining device for sponges. 2,611,147, Sept. 23.

Kamps, John, Holland, Mich. Fishline leader holder. 2,595,463, May 6.

Kanard, Louis E., Russell, Kans. Positive cutout switch. 2,589,395, Mar. 18.

Kannval, Stephen W., Deer Park, assignor to The Coca-Cola Bottling Works Co., Cincinnati, Ohio. Sign supporting structure. 2,584,713, Feb. 5.

Kanawyer, Harold J., Reedley,, and E. F. Hultquist, Dinuba, Calif. Vineyard cultivator. 2,606,488, Aug. 12.

Kandolan, Armig G., Glen Rock, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Antenna. 2,613,349, Oct. 7.

Kandell, Gustaf H., Grays River, Wash. Auto-loading self-propelled dumping vehicle. 2,599,838, June 10.

Kane, Al. J., assignee: *See*—
Adams, Stephen J.

Kane, Arthur R., assignor to Bulk Barites, Inc., Corpus Christi, Tex. Apparatus for transporting and handling finely ground materials. 2,613,004, Oct. 7.

Kane, Charles L.: *See*—
Anderson, Gustave A., and Kane.

Kane, Gideon, Green Bay, Wis. Web perforating mechanism. 2,621,741, Dec. 16.

Kane, Isabelle G., Edwardsville, Ill. Bedcover support. 2,618,789, Nov. 25.

Kane, John E., assignor to The Frank H. Lee Company, Danbury, Conn. Method and apparatus for pouncing felt. 2,604,684, July 29.

Kane, John T., St. Paul, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling tool. 2,591,550, Apr. 1.

Kane, Joseph F., Evanston, Ill. Combination cooking device. 2,588,846, Mar. 11.

Kane, Robert E.: *See*—
Chervenka, George R., and Kane.

Kane, Saul A., Washington, D. C. Turbine rotor formed of laminated plates with aperture overlap. 2,618,462, Nov. 18.

Kane, Thomas C., Mahoning County, assignor to The Commercial Shearing & Stamping Co., Youngstown, Ohio. Expansible holder. 2,621,053, Dec. 9.

Kanehl, Hugh P., Spokane, Wash. Reversible type roller clutch. 2,617,508, Nov. 11.

Kaneski, Frank M., Duluth, Minn. Connecting clamp device for tying animals' tails and the like. 2,619,936, Dec. 2.

Kanik, Rudolph M., Black River, N. Y. Machine for making manifold forms or pads. 2,586,055, Feb. 19.

Kanne, William R., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Monitoring of gas for radioactivity. 2,599,922, June 10.

Kannenberg, Walter F., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control. 2,616,971, Nov. 4.

Kanninen, Lauren W.: *See*—
Buzzell, Maurice W., and Kanninen.

Kansas City Testing Laboratory, assignee: *See*—
Cross, Walter M., Jr.
Starcck, Jesse E.

Kant, Edwin S.: *See*—
Cutler, Wallace M., Greenough, and Kant.

Kanter, Jack C., Norfolk, Va. Cotton roll holder. 2,600,001, June 10.

Kanter, Jerome J., Palos Park, assignor to Crane Co., Chicago, Ill. Apparatus for stressing bolts and studs. 2,622,465, Dec. 23.

Kantor, James, E. Rosenberg, and A. C. Small, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Label affixing machine for containers. 2,618,397, Nov. 18.

Kantrow, Aaron, executor: *See*—
Israel, John J.

Kantrowitz, Morris S., E. J. Gosnell, and B. General, Washington, D. C. Method and composition for producing silver coatings. 2,602,757, July 8.

Kanty, Charles L., Rochester, N. Y. Locking device for box covers. 2,598,538, May 27.

Kantzer, Basil P., Pasadena, assignor to Union Oil Company of California, Los Angeles, Calif. Treatment of well bores. 2,609,052, Sept. 2.

Kanuch, John A., South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Three-way valve. 2,607,599, Aug. 19.

Kao, Chung C., Freeport, and J. T. Donnelly, Ozone Park, N. Y. Copyholder. 2,617,386, Nov. 11.

Kapfer, Albert W.: *See*—
Kress, George H., and Kapfer.

Kaphan, Ludwig, New York, N. Y. Decorated flexible fabric and making the same. 2,582,132, Jan. 8.

Kapitza, Peter L., Moscow, Union of Soviet Socialist Republics. Rectification apparatus. 2,593,763, Apr. 22.

Kapitza, Peter L., Moscow, Union of Soviet Socialist Republics. Distillation of low boiling point liquids. 2,608,070, Aug. 26.

Kaplan, Arthur M., Hyattsville, Md., and M. Solowey, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Treatment of egg whites. 2,585,015, Feb. 12.

Kaplan, Arthur M., Hyattsville, Md., and M. Solowey, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Treating egg whites. 2,593,462, Apr. 22.

Kaplan, Julius, Springfield, Mass. Sleeping bag. 2,588,536, Mar. 11.

Kaplan, Leo L., Detroit, and G. von Reis, Grosse Pointe, assignors to Detroit Broach Company, Detroit, Mich. Work clamping fixture. 2,585,786, Feb. 12.

Kaplan, Max, Bronx, N. Y. Safety razor. 2,582,041, Jan. 8

Kaplan, Morris L., assignor to The Shirtcraft Company, Inc., Hazleton, Pa. Shirt. 2,609,541, Sept. 9.

Kaplan, Morris L., assignor to The Shirtcraft Co., Inc., Hazleton, Pa. Zipper shirt. 2,609,542, Sept. 9.

Kaplan, Nathan, Atlanta, Ga. Fish conveyor. 2,589,701, Mar. 18.

Kaplan, Nathan, Atlanta, Ga. Artificial denture. 2,598,998, June 3.

Kaplan, Reuben A., Owatonna, Minn. Rotary impact tool. 2,583,147, Jan. 22.

Kaplan, Reuben A., Owatonna, Minn. Wrench. 2,620,051, Dec. 2.

Kaplan, Samuel, New York, and L. Stark, Brooklyn, assignors to Kastar Incorporated, Bronx, N. Y. Portable clothes hanger holder and carrier. 2,598,643, May 27.

Kaplan, Sydney, Trenton, N. J. Folding cot. 2,591,551, Apr. 1.

Kapnick, Edward C., Adrian, Mich. Drill end sharpening means. 2,614,370, Oct. 21.

Kapp, Roland: *See*—
Klein, Howard C., and Kapp.

Kappe, Stanley E., Yorktowne, Md. Apparatus for treating liquid sewage and the like. 2,597,802, May 20.

Kappeler, Hans, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Combination of magnetic and disk playback apparatus. 2,602,600, July 8.

Kappes, Louis C., and L. F. Whitney, assignors to Whitney-Kappes Co., Cincinnati, Ohio. Bung. 2,616,582, Nov. 2.

Kapsenberg, Cornelis, Middelburg, assignor to N. V. Koninklijke Maatschappij "De Schelde," Vlissingen, Netherlands. Propeller having adjustable blades. 2,612,961, Oct. 7.

Karbosky, Joseph T.: *See*—
Groebe, John L., and Karbosky.

Karbowski, Victor S., Lima, Peru. Drill. 2,593,035, Apr. 15.

Karcher, Floyde J. F., executrix, assignee: *See*—
Field, Lloyd M.

Karchmer, Jean H., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Converting hydrocarbons in the presence of a stabilized phosphoric acid catalyst. 2,620,361, Dec. 2.

Karcz, Bruno J., Post Nesselwang, Germany, assignor to G. B. Karcz, East Weymouth, Mass. Thermal metering apparatus. 2,620,659, Dec. 9.

Karcz, George B., assignee: *See*—
Karcz, Bruno J.

Kardos, Otto, Leonardo, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Dithiocarbamate-aldehyde condensation polymers. 2,589,209, Mar. 18.

Kareed Corporation, assignee: *See*—
Kadets, Martin, and Moody.

Karen Products, Inc., assignee: *See*—
Abercrombie, Charles W.

Karfiol, George J., San Francisco, Calif. Arm sling. 2,616,419, Nov. 4.

Karg, Charles A., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Resilient support for seat cushions. 2,604,933, July 29.

Karg, Charles A., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Seat or mattress support. 2,615,178, Oct. 28.

Karig, Erhardt, assignor to Patentverwertung W. Reimers G. m. b. H., Bad Homburg vor der Hohe, Germany. Continuously regulable drive apparatus. 2,621,545, Dec. 16.

Karig, Horace E., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fluid pressure regulator. 2,601,439, June 24.

Karitzky, John, Cranford, assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Toggle bolt. 2,616,327, Nov. 4.

Karl, Josef S., Athens, Ga. Yarn carrier with take-up device for hosiery machines. 2,608,844, Sept. 2.

Karl, Lester J., New Ulm, Minn. Electric switch. 2,623,142, Dec. 23.

Karlberg, Arvid E., Chicago, Ill. Shaft seal. 2,600,879, June 17.

Karlberg, Bror I. F.: *See*—
Bergqvist, Åke T., and Karlberg.

Karle, John D., Roselle Park, N. J. Attachment for safety razors. 2,600,880, June 17.

Karlen, Harvey R.: *See*—
Crossley, Charles N., Fagan, Karlen, and Peters.

Karlin, Anthony F.: *See*—
Sears, Richard E., and Karlin.

Karll, Robert E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Asphalt composition. 2,605,193, July 29.

Karlson, John E., Garden City, N. Y., assignor to The Sperry Corporation. Directive radiating system. 2,586,827, Feb. 26.

Karlsson, Anders B. E., assignor to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Zigzag sewing machine. 2,600,543, June 17.

Karlsson, Anders B. E., and A. H. Eriksson, assignors to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Control of the feeding mechanism in sewing machines. 2,600,544, June 17.

Karlsson, Carl E. E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Switch. 2,595,949, May 6.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Endless belt snapping rolls. 2,587,857, Mar. 4.

Karlsson, Elof K., Moline, assignor of one-third to K. T. Snow, Oak Park, Ill. Cathode-ray tube. 2,602,903, July 8.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Stalk chopper for corn pickers. 2,613,490, Oct. 14.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Stalk feeding roll. 2,618,273, Nov. 18.

Karlsson, Karl A., Dals Langed, Sweden. Mechanism responsive to variations in the consistency of a fibrous suspension. 2,618,966, Nov. 25.

Karlsson, Per H., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Gas cleaning. 2,582,133, Jan. 8.

Karlsson, Per H., Wellsville, and J. A. Lidford, Friendship, assignors to The Air Preheater Corporation, New York, N. Y. Driving rack mechanism. 2,605,646, Aug. 5.

Karlsson, Per H., and S. Holm, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Tubular heat exchanger. 2,606,006, Aug. 5.

Karlsson, Per T., Smogen, Sweden. Wire-coiling machine. 2,580,792, Jan. 1.

Karlsson, Sture E., and S. R. L. Skog, assignors to Telefonaktiebolaget L M Ericsson, Hagersten, Sweden. Electroacoustic converter. 2,621,261, Dec. 9.

Karlstrom, Johan F. R., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Dishwashing machine. 2,596,693, May 13.

Karns, James A., assignor to Fawick Flexi-Grip Company, Akron, Ohio. Mold and method for forming grips for golf clubs and the like. 2,604,660, July 29.

Karns, James A., assignor to Fawick Flexi-Grip Company, Akron, Ohio. Apparatus for molding covers upon shaft members. 2,604,661, July 29.

Karoff, Robert B., assignor, by mesne assignments, to Novelty Utilities, Inc., New York, N. Y. Multicompartment dish with coacting covers. 2,613,518, Oct. 14.

Karolczuk, Edward: *See*—
Owren, Erling, and Karolczuk.

Karolus, August, Zollikon/Zurich, E. Hamburger, and A. Henry, Yverdon, Switzerland, assignors to Paillard S. A. Recording and reproducing of sound. 2,617,891, Nov. 11.

Karos, George: *See*—
Polomski, John B., and Karos.

Karow, George F., Saginaw, Mich. Power-transmitting mechanism for vehicles. 2,581,025, Jan. 1.

Karp, Edward C.: *See*—
Berglund, Sven G., and Karp.

Karp, Edward C., assignor to Sanitary Scale Company, Belvidere, Ill. Wheel mounting for band saws. 2,606,049, Aug. 5.

Karp, Harry R.: *See*—
Guillot, Philip J., and Karp.

Karp, Harry R., Newark, and A. W. Blanchard, Allendale, assignors to Bendix Aviation Corporation, Teterboro, N. J. Temperature control system. 2,616,018, Oct. 28.

Karp, Harvey, Waltham, Mass., R. R. Darden, Jr., Solromar, Calif., and M. F. Kolodziej, Waltham, assignors to Raytheon Manufacturing Company, Newton, Mass. Electronic gating circuits. 2,614,215, Oct. 14.

Karpen, Martin S., Chicago, Ill. Bed-davenport. 2,621,337, Dec. 16.

Karpoff, Alex D., assignee: *See*—
Moore, Harvey G., and Karpoff.

Karr, Harry E., assignee: *See*—
Harding, Hiram R.

Karr, Philip L., Chicago, Ill., assignor to Excel Movie Products, Inc. Actuating apparatus for sound system. 2,594,178, Apr. 22.

Karsch, Eugene J., Sparta, Ill. Accessory for automotive vehicles. 2,584,883, Feb. 5.

Karsted, Jessie W., Washington, D. C. Plant supporting device. 2,601,743, July 1.

Karstrom, Paul L., Co., assignee: *See*—
Haugen, Louis M.

Kartaschoff, Valentin, and E. Merian, assignor to Sandoz Limited, Basel, Switzerland. Bis-benzene-azo-1.5 dihydroxy-naphthalenes. 2,623,872, Dec. 30.

Kartridg-Pak Machine Co., assignee: *See*—
Sloan, Edward C.

Karwacki, Joseph, assignee: *See*—
Flahive, Thomas J.
Tracy, Clarence S.

Karweit, John W., Skokie, Ill., assignor, by mesne assignments to Ex-Cell-O Corporation, Detroit, Mich. Driller. 2,581,258, Jan. 1.

Kascher, Henry M.: *See*—
Baxter, James G., and Kascher.

Kaserman, John A.: *See*—
Puster, Louis M., and Kaserman.

Kaserman, John A., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Feed hopper and feed mechanism. 2,584,466, Feb. 5.

Kasimir, Alfred, Stangby, Sweden. Chuck. 2,621,054, Dec. 9.

Kask Technical Corporation, assignee: *See*—
Kurata, Fred.
Sliepcevich, Cedomir M.

Kaskouras, Thomas, Chicago, Ill. Can punch. 2,611,950, Sept. 30.

Kasner, Edward: *See*—
Andresen, John H., Jr., and Kasner.

Kason Hardware Corporation, assignee: *See*—
Groeger, Alfred H.

Kasper, Don G., Shiner, Tex. Store basket and carriage. 2,596,775, May 13.

Kasprow, Anthony F., assignee: *See*—
Swanson, Bror W.

Kasprow, Felix A., assignee: *See*—
Swanson, Bror W.

Kasprow, Joseph W., assignee: *See*—
Swanson, Bror W.

Kasprow, Stephen G., assignee: *See*—
Swanson, Bror W.

Kass, Samuel M., Philadelphia, Pa. Leak closure. 2,609,003, Sept. 2.

Kass, Samuel M., Philadelphia, Pa. Flush tank repair seat. 2,614,263, Oct. 21.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Regeneration of fluidized catalyst. 2,581,670, Jan. 8.

Kassel, Morris B.: *See*—
Eliscu, Frank, and Kassel.

Kasselmann, George J.: *See*—
Siekmann, Harold J., and Kasselmann.

Kassnel, Nick: *See*—
Verson, John, and Kassnel.

Kast, George, assignor to Syntron Company, Homer City, Pa. Electronic control for gravimetric feeders. 2,609,965, Sept. 9.

Kast, George, assignor to Syntron Company, Homer City, Pa. Electronic pickup control for gravimetric feeders. 2,618,406, Nov. 18.

Kastar Incorporated, assignee: *See*—
Kaplan, Samuel, and Stark.

Kasten, Walter, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid filtering and metering unit. 2,601,616, June 24.

Kastner, Ernest C.: *See*—
Peterson, Carl E., and Kastner.

Kastner, Marcel, Benaumontel, assignor to Societe de Produits Chimiques des Terres Rares, Paris, France. Making double sulfate of sodium and zirconium and product resulting therefrom. 2,604,378, July 22.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Hardening gelatin and photographic gelatin emulsions. 2,586,168, Feb. 19.

Katcher, Morris: *See*—
Mayo, Clyde R., and Katcher.

Katcher, Morris, New York, N. Y. Shaft seal and pressure plate therefor. 2,607,615, Aug. 19.

Katcher, Morris, New York, N. Y. Universal combination fuel and vacuum pump. 2,621,594, Dec. 16.

Katcher, Samuel, New York, assignor of fifty per cent to D. Rosenthal, Brooklyn, N. Y. Initial insert. 2,617,222, Nov. 11.

Kato, Seishichi, Honolulu, Territory of Hawaii. Extension table with leaf elevating mechanism. 2,599,642, June 10.

Katter, Lincoln F., Minneapolis, Minn. Rod holder. 2,581,671, Jan. 8.

Katterjohn, August H., assignor to Reed Roller Bit Company, Houston, Tex. Pneumatic drilling apparatus. 2,602,427, July 8.

Katz, Alex and M., assignors of one-third to I. H. Katz, Indianapolis, Ind. Side opening carrying case. 2,616,473, Nov. 4.

Katz, Ernest, Haifa, Palestine; now by judicial change of name E. H. Casson. Welding machine. 2,583,575, Jan. 29.

Katz, Francis J., now by change of name to F. J. Kent, Forest Hills, assignor to Hydropress, Incorporated, New York, N. Y. Hydraulic press speed control mechanism. 2,596,988, May 20.

Katz, Harry, St. Paul, Minn. Quick-operating float valve. 2,592,908, Apr. 15.

Katz, Harry B., assignor to Great Western Bag Company, St. Louis, Mo. Biased balling bag. 2,600,800, June 10.

Katz, Helmut: *See*—
Jacobi, Werner, Hinderer, and Katz.

Katz, Isadore H., assignee: *See*—
Katz, Alex and M.

Katz, Joseph J.: *See*—
Gruen, Dieter M., and Katz.

Katz, Julius, New York, and F. P. Majoros, Brooklyn, assignors to Superba Manufacturing Co., Inc., New York, N. Y. Seam opening attachment. 2,587,626, Mar. 4.

Katz, Julius, Bronx, and F. P. Majoros, Brooklyn, assignors to Superba Manufacturing Co., Inc., New York, N. Y. Bias bag and bias bagging. 2,616,469, Nov. 4.

Katz, Morris: *See*—
Katz, Alex and M.

Katz, Mortimer R., Montreal, Quebec, Canada. Drive for cloth spreading machines. 2,590,773, Mar. 25.

Katz, Murray: *See*—
Winsten, Walter A., Katz, and Safir.

Katz, Robert E.: *See*—
Vonnegut, Bernard, and Katz.

Katz, Sidney H., Edgewood Arsenal, Md., assignor to the United States of America as represented by the Secretary of War. Filter material. 2,614,655, Oct. 21.

Katzen, Cyrus, and T. R. Games, Washington, D. C. Temperature-controlled film processing apparatus. 2,621,571, Dec. 16.

Katzen, Cyrus, and T. R. Games, Washington, D. C. Continuous belt-type fluid treatment apparatus. 2,621,573, Dec. 16.

Katzenmeyer, Edwin B.: *See*—
Leguillon, Charles W., and Katzenmeyer.

Katzenmeyer, Edwin B., Akron, and C. P. Krupp, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Inflatable sectional tent. 2,591,829, Apr. 8.

Katzman, Jacob, New York, N. Y. Multiple checking and inspection device and system for the measurement of electrical units. 2,606,231, Aug. 5.

Katzman, Jacob, New York, N. Y. Flat terminal element for condenser foil. 2,615,946, Oct. 28.

Katzman, Max, Brooklyn, N. Y. Vaporizer. 2,580,793, Jan. 1.

Katzman, Max, Brooklyn, N. Y. Vaporizer carrier. 2,589,817, Mar. 18.

Katzman, Morris, assignor to Process Chemical Company, Los Angeles, Calif. Interface modifiers and preparing same. 2,599,391, June 3.

Kauck, Edward A.: *See*—
Diesslin, Albert R., Kauck, and Simons.

Kauck, Edward A., St. Paul, Minn., and J. H. Simons, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Cyclic fluoroalkylene oxide compounds. 2,594,272, Apr. 29.

Kauck, Edward A., St. Paul, Minn., and J. H. Simons, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon tertiary amines. 2,616,927, Nov. 4.

Kauer, Kenneth C.: *See*—
Alquist, Francis N., and Kauer.

Kauer, Kenneth C., assignor to The Dow Chemical Company, Midland, Mich. Removal of troublesome fractions from benzene hexachloride. 2,585,898, Feb. 12.

Kauffman, Floyd L., Palos Park, and W. M. Urbain, Western Springs, assignors to Swift & Company, Chicago, Ill. Tenderizing casings. 2,608,487, Aug. 26.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Drier. 2,583,850, Jan. 29.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer bearing. 2,587,332, Feb. 26.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,587,627, Mar. 4.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Pressure applying and release mechanism for wringers. 2,592,575, Apr. 15.

Kauffman, Walter L., II, Erie, Pa., assignor to Lovell Manufacturing Company. Automatic index device for wringers. 2,595,147, Apr. 29.

Kauffman, Walter L., II, Erie, Pa., assignor to Lovell Manufacturing Company. Drive and wringer rotation lock for wringers. 2,595,148, Apr. 29.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,595,149, Apr. 29.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Tumbler clothes drier. 2,612,705, Oct. 7.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Drier. 2,623,299, Dec. 30.

Kaufman, Benjamin I., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrogenation of oxygenated organic compounds. 2,623,893, Dec. 30.

Kaufman, Bessie, administratrix: *See*—
Kaufman, Solomon.

Kaufman, Charles W., Tenafly, and C. B. de Maya, Allendale, N. J., assignors to General Foods Corporation, New York, N. Y. Coconut. 2,615,812, Oct. 28.

Kaufman, Daniel L., assignor to General Motors Corporation, Dayton, Ohio. Liquid cooling apparatus. 2,618,134, Nov. 18.

Kaufman, Hans J., Allegany, assignor to Daystrom Corporation, Olean, N. Y. Table leg construction. 2,604,370, July 22.

Kaufman, Harold R., Evanston, Ill. Pneumatic spring. 2,596,031, May 6.

Kaufman, Hiram J., Detroit, Mich. Portable cabinet for dehydrating air. 2,585,787, Feb. 12.

Kaufman, Leo T., Chicago, Ill. Score indicator for boxing and the like. 2,610,792, Sept. 16.

Kaufman, Louis, New York, N. Y. Lady's handbag. 2,606,588, Aug. 12.

Kaufman Manufacturing Company, assignee: *See*—
Dornaus, Reinert F.

Kaufman, Morris, and A. F. Williams, assignors to C. D. Patents Limited, London, England. Manufacture of paints and varnish. 2,595,676, May 6.

Kaufman, Robert M., assignee: *See*—
Tarter, Christopher C., and Licht.

Kaufman, Sarah, New York, N. Y. Décolleté brassière. 2,621,329, Dec. 16.

Kaufman, Solomon, deceased, New York, N. Y.; B. Kaufman, administratrix of said S. Kaufman. Making shoulder pads. 2,603,390, July 15.

Kaufman, Solomon, deceased, New York, N. Y.; B. Kaufman, administratrix of said S. Kaufman. Making shoulder pads and analogous manufactures. 2,603,391, July 15.

Kaufmann, Albert, Zuchwil, assignor to Scintilla Aktien-Gesellschaft, Solothurn, Switzerland. Balanced motion converting mechanism. 2,595,464, May 6.

Kaufmann, Albert, Zuchwil, Switzerland. Bayonet fastening. 2,617,106, Nov. 11.

Kaufmann, Alfred M., Jr., Newark, N. J. Arch support. 2,581,864, Jan. 8.

Kaufmann Corporation, assignee: *See*—
Kaufmann, Harry A.

Kaufmann, Harry A., assignor to Kaufmann Corporation, Detroit, Mich. Convertible window. 2,583,851, Jan. 29.

Kaufmann, Henry, assignor to Star Fastener, Inc., New York, N. Y. Apparatus for manufacturing slide fasteners. 2,612,795, Oct. 7.

Kaufmann, James J.: *See*—
Huetten, Clarence, and Kaufmann.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,601,872, July 1.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,601,873, July 1.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,608,216, Aug. 26.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,614,586, Oct. 21.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,619,991, Dec. 2.

Kaufmann, Karl, Hofstatt Bei Neulengbach, Austria, assignor of one-fourth to C. Holub, Cincinnati, Ohio. Ear protector. 2,582,907, Jan. 15.

Kaufmann, Phillip H., University Heights, Ohio. Timing device. 2,598,701, June 3.

Kaufmann, Stephen: *See*—
Rosenkranz, George, and Kaufmann.
Rosenkranz, George, Kaufmann, and Pataki.
Rosenkranz, George, Kaufmann, and Romo.

Kaufmann, Stephen, G. Rosenkranz, and J. Pataki, assignors to Syntex S. A., Mexico City, Mexico. Preparation of 21-acyloxy allopregnanes. 2,596,562, May 13.

Kaufmann, Stephen, G. Rosenkranz, and J. Pataki, assignors to Syntex S. A., Mexico City, Mexico. Producing 17-hydroxy-20-keto-21-acyloxy pregnanes. 2,596,563, May 13.

Kaufmann, Stephen, G. Rosenkranz, and J. Berlin, assignors to Syntex, S. A., Mexico City, Mexico. 2-acetoxy-testosterone esters. 2,602,803, July 8.

Kaukauna Machine Corporation, assignee: *See*—
Hosea, Everett E.

Kaulakis, Arnold F., Roselle, and H. G. Codet, Mountainside, N. J., assignors to Standard Oil Development Company. Catalyst reaction vessel. 2,612,437, Sept. 30.

Kaumagraph Company, assignee: *See*—
Mickel, Allen W.
Miller, Thomas H.

Kaunitz, Fred E., Jr., Bay City, Mich. Detachable hoisting apparatus. 2,593,764, Apr. 22.

Kaupke, Lee H., Stockton, Calif., assignor to International Harvester Company. Implement attaching structure. 2,593,679, Apr. 22.

Kauppi, Toivo A., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxane coating composition containing methylhydrogensiloxane fluid and dimethylpolysiloxane high polymer. 2,588,393, Mar. 11.

Kautenberg, William E., Freeport, Ill. Expanding fishhook. 2,596,564, May 13.

Kautenberg, William E., Freeport, Ill. Reinforced sponge and reinforcing it. 2,596,565, May 13.

Kautenberg, William E., Freeport, Ill. Fountain sponge washer. 2,602,948, July 15.

Kautz, Murrell F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap switch. 2,582,834, Jan. 15.

Kautzman, Frank, and J. A. B. Peak, Salt Lake City, Utah, said Peak assignor to said Kautzman. Loose-leaf check and binder assembly. 2,583,852, Jan. 29.

Kavanagh, Frederick W., New York, N. Y. Spectrometric apparatus for determining hemoglobin concentrations and the like. 2,621,557, Dec. 16.

Kavanagh, James O., South Norwalk, Conn., assignor to Luxury Gifts, Inc., New York, N. Y. Pneumatic seat and back rest lounging device. 2,582,439, Jan. 15.

Kawabata, James, Chicago, Ill. Micrometer reading attachment. 2,618,194, Nov. 18.

Kawneer Company, The, assignee: *See*—
Chapin, Barton H.
Huizenga, Charles B.
Ketchum, Morris, Jr.
Knott, Kenneth E.
Plym, Lawrence J.
Simpson, Arthur M.

Kay, Arthur J., Los Angeles, Calif. Picking machine. 2,590,326, Mar. 25.

Kay, Arthur J., Los Angeles, Calif. Cushion and mattress filling machine having continuously reciprocating discharging means. 2,590,327, Mar. 25.

Kay, Arthur J., Los Angeles, Calif. Mattress and cushion filler renovating machine. 2,599,181, June 3.

Kay, Billy C., and I. B. Hager, Hermitage, Tenn. Variable-depth remote-controlled fishing float. 2,597,737, May 20.

Kay, Gordon E., Tucson, Ariz. Finger held double-faced shoe wax applicator and polisher. 2,590,977, Apr. 1.

Kay, James A.: *See*—
Rose, Alfred G., Kay, and Page.

Kay, Jerry W., North Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Reducing weak spots in calendered film. 2,608,717, Sept. 2.

Kay, John G.: *See*—
Greenshields, Robert O., Schmidt, and Kay.

Kay, Leah A., Amarillo, Tex. Absorbent protective pad. 2,620,494, Dec. 9.

Kay, Sidney, Jr., Scarsdale, N. Y. Smoking pipe portmanteau and stand. 2,616,558, Nov. 4.

Kay, Stanley W.: *See*—
Murphy, Frank L., Haman, and Kay.

Kay, William L., and C. E. Rick, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of titanium tetrachloride. 2,600,881, June 17.

Kay, William W., assignor to Parke, Davis & Company, Detroit, Mich. Method and apparatus for producing vaccines. 2,595,793, May 6.

Kay-Win Products Company, assignee: *See*—
Stover, Roy L.

Kayan, Carl F., New York, N. Y. Predetermining temperature conditions within wall structures. 2,598,267, May 27.

Kayat, Elias, assignor to Perga Containers Limited, Hamilton, Ontario, Canada. Liquid packaging machine. 2,583,106, Jan. 22.

Kaybe Manufacturing Company, assignee: *See*—
Kramer, Augustus and J.

Kaye, Emmanuel, assignee: *See*—
Arnot, Alfred E. R.

Kaye, John W., San Antonio, Tex. Comb. 2,584,467, Feb. 5.

Kaye, Maxwell M.: *See*—
Kidzus, Michael F., and Kaye.

Kaye, Nathan G., Bradford, R. I. Preparing dentures. 2,585,788, Feb. 12.

Kaye, Oliver, assignor to Saunders Valve Company Limited, Cwmbran, England. Diaphragm valve. 2,605,991, Aug. 5.

Kaye, Philip de B.: *See*—
Klopetko, Ernest, Kaye, and Hartzell.

Kaye, Warren H.: *See*—
Konrad, Erich H., and Kaye.

Kayes, William D., Jr., Chicago, Ill. Artificial fish lure. 2,614,356, Oct. 21.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler bearing block assembly. 2,590,868, Apr. 1.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler knuckle bearing. 2,596,153, May 13.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,604,215, July 22.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Fifth wheel. 2,621,056, Dec. 9.

Kayser, Allan J., assignor of fifty per cent to M. L. Kurland, forty per cent to G. K. Israel, and ten per cent to R. L. Kayser, Denver, Colo. Sealing fluid lubricant in the hub of a rotating element. 2,592,645, Apr. 15.

Kayser, Daniel, Paris, France, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva. Machine for depositing a coating along a line on a tube. 2,585,330, Feb. 12.

Kayser, Guillaume M. A., and J. M. Meys, Arnhem, and P. van Dijk, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Ring twisting. 2,617,244, Nov. 11.

Kayser, Julius, & Co., assignee: *See*—
Straussberger, John H.

Kayser, Rosalind L., assignee: *See*—
Kayser, Allan J.

Kaysing, Charles W., Hawthorne, and G. A. McMahon, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Flexible tail pipe connection. 2,604,339, July 22.

Kazdin, Frank W., Laurelton, N. Y. Diathermy electrode. 2,583,853, Jan. 29.

Keagy, Nellie W., Columbus, Ohio. Bunion cushion. 2,583,652, Jan. 29.

Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Driving mechanism for one revolution clutches. 2,607,457, Aug. 19.

Keammerer, Roy P., Gary, Ind., assignor to United States Steel Company. By-product coke oven standpipe valve. 2,603,232, July 15.

Keane, Charles C.: *See*—
Long, Frank V., Lee, Levi, and Keane.
Keane, John F.: *See*—
Doertenbach, William, and Keane.
Kearby, Kenneth K.: *See*—
Black, James F., and Kearby.
Kearby, Kenneth K., Cranford, N. J. Absorbent-covered furnace. 2,609,060, Sept. 2.
Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Regenerative aluminum chloride process. 2,623,009, Dec. 23.
Kearby, Kenneth K., Cranford, and J. F. Black, Roselle, N. J., assignors to Standard Oil Development Company. Catalytic conversion. 2,605,275, July 29.
Kearful, Godfrey G., J. J. Verbrugge, and R. A. Malone, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Lifting jack. 2,609,178, Sept. 2.
Kearins, Theodore W., Cleveland, Ohio. Toolholder. 2,618,048, Nov. 18.
Kearney, James R., Corporation, assignee: *See*—
Gesellschap, Robert A.
Rees, Ned J.
Runde, Kenneth R.
Tallman, Oscar F., and Graham.
Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B.
Armitage, Joseph B., and Barker.
Armitage, Joseph B., Flannery, and Lukey.
Eserkaln, Theodore F.
Parsons, Fred A.
Kearns, Charles M., Jr., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade stress distributing means. 2,623,599, Dec. 30.
Kearns, George E., Jr., Swarthmore, Pa. Glass cleaning device having a wiping member with metal wool embedded therein. 2,616,110, Nov. 4.
Kearse, Grover C., Leesburg, Ga. Peanut harvester. 2,600,992, June 17.
Kearsley, Arthur W.: *See*—
Kearsley, Benjamin R., and A. W.
Kearsley, Benjamin R., Ogden, Utah, and A. W. Kearsley, Victor, Idaho. Portable dam. 2,592,290, Apr. 8.
Keary, Thomas J., Brockton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Fan beam radiator. 2,605,414, July 29.
Keasbey & Mattison Company, assignee: *See*—
Ashman, Herbert W.
Keast, William, Hazel Park, Mich. Apparatus for applying designs to wall structures. 2,602,232, July 8.
Keating, Esmond J.: *See*—
Keating, John F., and E. J.
Keating, John F., Zacapu, Michoacan, Mexico, and E. J. Keating, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Padder, mangle, or squeeze rolls for improved extraction and impregnation of textile fibers, yarns, and fabrics. 2,596,154, May 13.
Keating, John H., assignor to Monarch Aluminum Mfg. Company, Cleveland, Ohio. Cooking utensil. 2,595,361, May 6.
Keating, Leonard M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded tank construction. 2,613,015, Oct. 7.
Keating, Patrick J., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Weather-resistant concrete. 2,614,939, Oct. 21.
Keating, Richard T., Chicago, Ill. Door hinge. 2,620,509, Dec. 9.
Keaton, Frank H., and D. C. Bettison, Omaha, Nebr. Rail flaw detection apparatus. 2,582,440, Jan. 15.
Keaton, Frank J., special administrator: *See*—
Smith, Noble C.
Kebbon, Earl R.: *See*—
Lamb, Anthony H., and Kebbon.
Koblusek, Richard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dry-shaving apparatus. 2,601,719, July 1.
Koblusek, Richard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutting plate of dry-shaving apparatus. 2,616,170, Nov. 4.
Kobrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Rust inhibitive lead pigments. 2,597,645, May 20.
Keck, Andrew, Worthington, Ohio. Collapsible infant's crib and playpen. 2,602,170, July 8.
Keck, George F., assignor to Clay Products Association, Chicago, Ill. Radiant heating system. 2,584,591, Feb. 5.
Keck, Robert W., and H. F. Fillman, Allentown, Pa. Record cutting and trimming machine. 2,586,663, Feb. 19.
Keck, Tyson O., Kokomo, Ind. Clothes rack attachment for securement to beds. 2,593,567, Apr. 22.
Keck, Zack R., Strathmore, Calif. Time controlled switch actuating mechanism. 2,620,871, Dec. 9.
Keckler, Norman F., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Preparing sponge rubber and products produced thereby. 2,598,127, May 27.
Keczeli, George M., assignor to Mary M. Keczeli, Colorado Springs, Colo. Reproduction machine of the pantograph type. 2,583,653, Jan. 29.
Keczeli, Mary M., assignee: *See*—
Keczeli, George M.
Kedzie, Adam S.: *See*—
Schulz, Herman R. and C. G., and Kedzie.
Kee, Charles L., Brooklyn, assignor to W. J. O'Hear, Jackson Heights, N. Y. Action display device. 2,623,312, Dec. 30.
Kee Lox Manufacturing Company, assignee: *See*—
Doyle, Joseph C.
Steele, George R.
Kee Zipper Corporation, assignee: *See*—
Lackritz, Samuel J.
Zahel, Alex.
Keeble, William J., assignor to Packers Supply Company Limited, New Malden, England. Apparatus for tensioning and joining the ends of metal binding strapping, wire, and the like around a body. 2,622,460, Dec. 23.
Keebler, William C., Washington, D. C. Tool bit grinding fixture. 2,595,950, May 6.
Keef, Dennis W., Portland, Oreg. Hydraulic pressure integrating device. 2,596,032, May 6.
Keef, Leard M., De Land, assignor to P. J. Stine, Orlando, Fla. Lathe attachment. 2,591,552, Apr. 1.
Keefer, Leonard O., Spokane, Wash. Mechanical control for water distributor. 2,593,765, Apr. 22.
Keefer, Lorraine L., El Dorado, Kans. Garment. 2,594,032, Apr. 22.
Keefer, Walter L.: *See*—
Rosenberger, William A., and Keefer.
Keefer, Walter L., assignor to Panghorn Corporation, Hagerstown, Md. Abrading apparatus. 2,582,702, Jan. 15.
Keefer, Walter L., assignor to Panghorn Corporation, Hagerstown, Md. Shot testing. 2,585,657, Feb. 12.
Keelavite Company Limited, The, assignee: *See*—
Johnson, Edward H.
Keele, Marvin E., and M. L. Noble, Bloncoe, Iowa. Stoker fuel supply signal switch. 2,590,840, June 10.
Keele, Ralph M., San Francisco, Calif., assignor, by mesne assignments, to G. Wagner, Des Moines, Iowa. Hair curler. 2,595,362, May 6.
Keeler Brass Company, assignee: *See*—
Jakeway, Gerald V.
Keeler, Isaac S.
Keeler, Dwight H., East Haven, assignor to The H. B. Ives Company, New Haven, Conn. Surface bolt. 2,620,213, Dec. 2.
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Combined lock and door handle. 2,605,630, Aug. 5.
Keeler, Raymond W., assignor to The Huber Manufacturing Company, Marion, Ohio. Wheel tilting mechanism. 2,622,894, Dec. 23.
Keeling, Jack R., Jr., Monahans, Tex., assignor to United Geophysical Company, Inc., Pasadena, Calif. Fluid pressure measurement. 2,618,157, Nov. 18.
Keeling, William O., assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of gas. 2,590,869, Apr. 1.
Keely, Clifford D.: *See*—
Bandura, James, Baisley, Pfeffer, and Keely.
Keely, Clifford D., West Englewood, N. J. Portable folding stool or seat. 2,617,474, Nov. 11.
Keen, Albert J., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Mechanism for converting pence amounts to sterling. 2,620,976, Dec. 9.
Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Mechanism for converting sterling amounts to pence. 2,602,588, July 8.
Keen, William L., St. Louis, Mo. Automatic self-releasing and casting float. 2,581,259, Jan. 1.
Keen, William L., St. Louis, Mo. Fishing float. 2,581,260, Jan. 1.
Keen, William R., Media, and W. R. Hewton, assignors to Collins & Aikman Corporation, Philadelphia, Pa. Method of and apparatus for recovering temporary loop-sustaining filling weft from loop pile fabrics. 2,591,166, Apr. 1.
Keenan, Joseph D., Chicago, Ill. Handle means for simultaneous operation of double-ended pliers. 2,591,360, Apr. 1.
Keenan, Thomas F., Albany, N. Y. Shoe holding device. 2,592,156, Apr. 8.
Keenan, Vincent J., Ardmore, assignor to The Atlantic Refining Company, Philadelphia, Pa. Tack-free alkaryl sulfonate detergent. 2,617,772, Nov. 11.
Keene, Alvin D., Jr., assignor to Rochester Germicide Company, Rochester, N. Y. Powder dispenser with a reciprocating valve having laterally extending bristles. 2,607,514, Aug. 19.
Keene, Edward L., Houston, Tex., and D. C. Griffin, Shreveport, La. Keyway location gauge. 2,611,187, Sept. 23.
Keene, Emma L., Spring Valley, Calif. Hair-curling device. 2,604,892, July 29.

Keene, Howard B., and D. A. Anderson, St. Paul, and P. H. Aldrich, Minneapolis, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Structures involving particles or mineral granules treated with organic silicon compounds and making. 2,595,465, May 6.
Keene, Lester E., Newtonville, Mass., assignor, by mesne assignments, to Whitin Machine Works. Ball bearing textile spindle. 2,611,231, Sept. 23.
Keene, Lester E., Newtonville, Mass., assignor, by mesne assignments, to Whitin Machine Works. Method and apparatus for compacting textile fibers. 2,618,023, Nov. 18.
Keene, Ralph W., Stockton, Calif. Snap lock pickup finger for harvester reels. 2,603,936, July 22.
Keene, Ralph W., Stockton, Calif. Quick detachable pickup finger for harvester reels. 2,608,045, Aug. 26.
Keene, Shefford L., and R. T. Palmer, Hampton, Va. Pocket hatrack. 2,582,338, Jan. 15.
Keenan, Royal V., San Diego, Calif. Radio buoy. 2,586,828, Feb. 26.
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Lubricating means for power transmitting mechanism. 2,590,870, Apr. 1.
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power transmitting mechanism. 2,601,297, June 24.
Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steerable wheel drive and mounting. 2,623,604, Dec. 30.
Keesler, Clyde C., Prospect Park, assignor to Rogers Brothers Corporation, Albion, Pa. Power manipulated detachable gooseneck for trailers. 2,590,181, Mar. 25.
Keesling, Thomas B., assignee: *See*—
Hay, Colin B.
Keesling, Thomas B., Campbell, Calif., assignor to Food Machinery and Chemical Corporation. Container feed mechanism. 2,592,009, Apr. 15.
Keesling, Thomas B., Orlando, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Air cleaner for spraying machines. 2,592,427, Apr. 8.
Keesling, Thomas B., Campbell, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Tensioning device. 2,590,183, Mar. 25.
Keest, Frank, Urbana, Ill. Standing step or platform. 2,581,027, Jan. 1.
Keetch, William A., assignor to Lord Manufacturing Company, Erie, Pa. Handle bar mounting. 2,583,947, Jan. 29.
Keetch, William A., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,583,948, Jan. 29.
Keever Starch Company, The, assignee: *See*—
Gaver, Kenneth M., Lasure, and Thomas.
Kegan, Albert I., Chicago, Ill., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Apparatus for erasing thermoplastic phonograph records. 2,583,297, Jan. 22.
Kegan, Albert I., Chicago, Ill., assignor to S. W. Kipnis, trustee for J., D., and F. Kegan. Dictating machine signal. 2,610,061, Sept. 9.
Kegan, Albert I., Chicago, and W. A. Neely, Oak Park, assignors to S. W. Kipnis, Chicago, Ill., trustee. Envelope. 2,601,530, June 24.
Kegan, Albert I., and F. S. Ajero, Chicago, Ill., assignors to S. W. Kipnis as trustee for J., D., and F. Kegan. Apparatus for resurfacing plastic record belts and the like. 2,609,789, Sept. 9.
Kegan, Daniel, assignee: *See*—
Kegan, Albert I.
Kegan, Albert I., and Ajero.
Kegan, Franklin, assignee: *See*—
Kegan, Albert I.
Kegan, Albert I., and Ajero.
Kegan, Judith, assignee: *See*—
Kegan, Albert I.
Kegan, Albert I., and Ajero.
Kegg, Robert R., Toledo, Ohio, assignor to Owen-Illinois Glass Company. Glass welding method. 2,596,694, May 13.
Kegley, Charles P., Sr., Pulaski, Va. Golf ball retriever. 2,623,769, Dec. 30.
Kehbel, Heinz G., Bavaria, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Inductance coil with ceramic form for high frequency. 2,583,854, Jan. 29.
Kehbel, Heinz G., Bavaria, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric oscillatory circuit device. 2,584,592, Feb. 5.
Kehler, Karl, assignor to Hoerbiger & Co., Vienna, Austria. Ring valve for compressors. 2,604,296, July 22.
Kehm, Alex, Grand Island, Nebr. Flow indicator. 2,580,928, Jan. 1.
Kehm, Clarence H.: *See*—
Dillon, William C., and Kehm.
Kehm, Horace S., Chicago, Ill. Radiant heating system and heating buildings. 2,603,140, July 15.
Kehoe, James W., Shelby, Ohio. Thermocouple and mounting clamp therefor. 2,607,808, Aug. 19.
Kehoe, Richard D., Hadlyme, Conn., A. Surino, White Plains, and R. G. Goodwin, Mount Vernon, N. Y., assignors to Pandia, Inc. Fiberizing lignocellulose steamed under pressure and apparatus. 2,616,802, Nov. 4.
Kehrl, Howard H., assignor to General Motors Corporation, Detroit, Mich. Hydraulic control. 2,585,389, Feb. 12.
Kehrli, Hans, Zurich, Switzerland. Revolving anode Roentgen ray tube. 2,594,564, Apr. 29.
Kelfer, Frederick J., Jr., Fort Benning, Ga. Rear sight adjusting device for pistols. 2,599,839, June 10.
Keil, Clarence E., East Peoria, Ill., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Article-orienting mechanism for labeling machines. 2,614,681, Oct. 21.
Keil, Havard L., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Preparation of catalase. 2,614,062, Oct. 14.
Keil, Havard L., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Preparation of catalase from red blood cells and whole blood. 2,614,063, Oct. 14.
Keil, Henry P., assignor to The Fixture Hardware Corporation, Chicago, Ill. Duplicating apparatus. 2,594,179, Apr. 22.
Keil, Henry P., assignor to The Fixture Hardware Corporation, Chicago, Ill. Drive and control means for sheet feeding rollers in duplicating apparatus. 2,597,804, May 20.
Keil, Henry P., assignor to The Fixture Hardware Corporation, Chicago, Ill. Moistening device for motor-driven duplicating machines. 2,622,519, Dec. 23.
Keil, Leonard W., Wayne, Mich., assignor to G. M. Holley and E. Holley. Gas turbine fuel control having both a normal speed and an emergency control. 2,596,815, May 13.
Kellen, John J., Jr., F. J. Ball, and R. W. Gressang, Charleston, S. C., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Coagulating colloidal lignates in aqueous dispersions. 2,623,040, Dec. 23.
Kelm, Charles J., Oil City, Pa., assignor to United States Steel Company. Brake operation mechanism. 2,606,629, Aug. 12.
Kelm, Donald B., Bridgeport, Conn., assignor to General Electric Company. Electron tube support and cooling device. 2,601,027, June 17.
Kelm, Donald B., deceased, late of Syracuse, N. Y., by A. C. Kneibler, administrator, Syracuse, N. Y., assignor to General Electric Company. Wire tuning drive. 2,613,540, Oct. 14.
Kelm, Gerald I., Lincoln University, Pa., assignor to Hercules Powder Company, Wilmington, Del. Modified synthetic resin and paper containing the same. 2,622,979, Dec. 23.
Kelm, Simeon, Galt, assignor to Preco Incorporated, Los Angeles, Calif. Land leveler. 2,581,672, Jan. 8.
Kelper, Edwin H., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Swing hammer assembly. 2,620,989, Dec. 9.
Kelper, Phillip C., Shrewsbury, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,597,586, May 20.
Kelser, Bernhard: *See*—
De Groote, Melvin, and Kelser.
Kelser, David H., Jr., West Lawn, Pa. Pivotal connection for shears. 2,607,114, Aug. 19.
Kelser, John, Windsor, Colo. Ratcheting jaw for plier-type wrenches. 2,584,353, Feb. 5.
Kelser, John, Windsor, Colo. Spring-actuated stud wrench. 2,592,037, Apr. 8.
Kelth, Clay W., Tallahassee, Fla. Portable vision testing device. 2,622,474, Dec. 23.
Kelth, Ell Y.: *See*—
L'Esperance, Louis, and Kelth.
Kelth, Frederick W., Jr., Haverford, Pa., assignor to The Sharples Corporation. Centrifugal machine and process. 2,594,445, Apr. 29.
Kelth, John V.: *See*—
Bell, Charles C., Hitchcock, and Kelth.
Kelth, John V., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine 2,605,974, Aug. 5.
Kelth, Kenneth M.: *See*—
Ronning, Martin, and Kelth.
Kelth, Margaret W., New York, N. Y. Carrier for containers. 2,598,920, June 3.
Kelth-Peabody, Inc., assignee: *See*—
Kelth, William J.
Kelth, Percival C.: *See*—
Buschow, Herman F., and Kelth.
Kelth, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Heat exchanger. 2,589,262, Mar. 18.
Kelth, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Cooling gases containing condensible material. 2,601,298, June 24.
Kelth, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic conversion of hydrocarbons in the presence of regeneration gases. 2,606,862, Aug. 12.

Keith, Percival C., Peapack, assignor to The M. W. Kellogg Company, Jersey City, N. J. Oxidation of hydrocarbons. 2,616,898, Nov. 4.

Keith, Wayland D., assignee: *See*—
Thomas, Martin A.

Keith, William J., assignor to Keith-Peabody, Inc., Brookline, Mass. Closure cap. 2,581,539, Jan. 8.

Keith, William J., assignor to Keith-Peabody, Inc., Brookline, Mass. Capmaking machine. 2,612,084, Sept. 30.

Keitley, Robert, Rugby, England, assignor to General Electric Company. Screened high-frequency circuit element. 2,615,091, Oct. 21.

Keizer, Eugene O.: *See*—
Landon, Vernon D., Harvey, and Keizer.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Signal amplifying system. 2,586,956, Feb. 26.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Gated amplifier circuit. 2,586,957, Feb. 26.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Combination radio television receiving system. 2,609,441, Sept. 2.

Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Device for calibrating frequency modulated radar equipment. 2,622,241, Dec. 16.

Keizer, Eugene O., and V. D. Landon, Princeton, N. J., assignors to Radio Corporation of America. Radio-frequency bolometer wattmeter. 2,584,272, Feb. 5.

Kekwick, Ralph A.: *See*—
Mackay, Margaret E., and Kekwick.

Kelbel, Donald W.: *See*—
Simpson, John M., and Kelbel.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,582,487, Jan. 15.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,584,468, Feb. 5.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,584,469, Feb. 5.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch control. 2,592,576, Apr. 15.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,593,568, Apr. 22.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission and control mechanism therefor. 2,597,245, May 20.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,598,179, May 27.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,599,559, June 10.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,605,652, Aug. 5.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,615,351, Oct. 28.

Kelderman, Harold L., Oskaloosa, Iowa. Vehicle wheel and mounting means therefor. 2,592,707, Apr. 15.

Kellte Products, Inc., assignee: *See*—
Miller, Dariel E.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Radio transmission system. 2,599,643, June 10.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Color scanning system. 2,621,245, Dec. 9.

Kell, Robert W.: *See*—
Bird, Paul G., Jacoby, and Kell.

Kellard, Juliet: *See*—
Flores, Iris, and Kellard.

Kelleigh, Waldo J., Wayland, assignor to General Control Company, Boston, Mass. Switch actuating mechanism. 2,610,274, Sept. 9.

Kellems Company, assignee: *See*—
Kellems, David L.

Kellems, David L., Westport, assignor to Kellems Company, Saugatuck, Conn. Cable grip. 2,602,207, July 8.

Keller, Arthur C.: *See*—
Anderson, John R., and Keller.

Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric type switching relay. 2,587,482, Feb. 26.

Keller, Arthur H., Moline, Ill., assignor to International Harvester Company. Combination variable speed pulley and engine throttle control for harvester threshers. 2,611,227, Sept. 23.

Keller, Bernhard, Zurich, Switzerland. Abrasion type hulling machine. 2,618,307, Nov. 18.

Keller, Charles D., Baltimore, Md. Automobile cover. 2,620,007, Dec. 2.

Keller, Charles L., Winnetka, Ill., assignor to The Richardson Company, Lockland, Ohio. Indicating vent plug for electric storage batteries. 2,610,221, Sept. 9.

Keller, Curt, Kusnacht, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Plant for the production of compressed air. 2,590,545, Mar. 25.

Keller, Curt, Kusnacht, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Tubular gas heater, in particular for solid fuels. 2,617,405, Nov. 11.

Keller, Fred C.: *See*—
Hamparson, George C., Keller, and Nichols.

Keller, George H., Radburn, N. J., assignor to Curtiss-Wright Corporation. Valve seat insert. 2,585,658, Feb. 12.

Keller, Gerald B., and L. D. Holmes, Syracuse, N. Y. Device for splicing strands of thermoplastic material. 2,617,914, Nov. 11.

Keller, H. V., Manufacturing Co., assignee: *See*—
Tonn, Christ, and Pine.

Keller, Hans, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Device for igniting mercury arc mutators. 2,617,082, Nov. 4.

Keller, Harry, Philadelphia, Pa. Box cutting attachment for paper box machines. 2,590,774, Mar. 25.

Keller, Hugo F., Oneida, N. Y. Individual airplane hanger. 2,595,794, May 6.

Keller, Jacob L., Cranford, and L. D. Lytle, Plainfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Producing noncrystallizing copper phthalocyanine. 2,618,642, Nov. 18.

Keller, Jay H., and R. Riley, Sebring, Ohio, assignors to Solar Engineering & Equipment Company, Beaver, Pa. Cup decorating machine. 2,584,092, Jan. 29.

Keller, John D., Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Strip threading apparatus. 2,581,026, Jan. 1.

Keller, John R., New Carlisle, Ohio. Method and apparatus for preloading helicopter rotor shaft bearings. 2,606,361, Aug. 12.

Keller, Josef, Jr., Rorschach, Switzerland. Tissue feed-dog driving mechanism of sewing machines. 2,610,058, Nov. 25.

Keller, Josef, Jr., Rorschach, Switzerland. Rotatably adjustable work support for sewing machines. 2,619,062, Nov. 25.

Keller, Karl, and O. Hansen, assignors to Cassella Farbwerke Mainkur, Frankfort-on-the-Main-Fechenheim, Germany. Condensation products from an aminotriazine and trimethylolacetaldehyde. 2,603,624, July 15.

Keller, Karl H., Gibson Island, Md., assignor to The Miller Company, Meriden, Conn. Package construction. 2,591,703, Apr. 8.

Keller, Kaufman T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle door with spare tire compartment. 2,610,083, Sept. 9.

Keller, M. F., assignee: *See*—
Neth, Frederick G., and Templeman.

Keller, Max, Zurich, Switzerland. Pressure cooker. 2,608,318, Aug. 26.

Keller, Nellie G. and W. J., St. Louis, Mo. Railway and rolling stock therefor. 2,585,789, Feb. 12.

Keller, Oscar: *See*—
Steiger, Norbert, and Keller.

Keller, Philip B., Santa Monica, Calif., assignor to North American Aviation, Inc. Chart reading device. 2,586,430, Feb. 19.

Keller, Ray B., and H. B. Dawson, assignors to Hammermill Paper Company, Erie, Pa. Duplicating method. 2,611,313, Sept. 23.

Keller, Rex E., Beverly Hills, Calif. Power transmission mechanism. 2,592,910, Apr. 15.

Keller, Rex E., Beverly Hills, Calif. Power transmission mechanism. 2,601,151, June 17.

Keller, Rex E., Beverly Hills, Calif. Power transmission mechanism. 2,602,353, July 8.

Keller, Russell J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Expander for brakes and clutches. 2,612,909, Oct. 7.

Keller, Siegfried, Effretikon, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Brake pipe vent control. 2,595,466, May 6.

Keller, Spencer R., Handley, assignor of one-half to Marathon Coal Bit Company, Incorporated, Montgomery, W. Va. Universal keyway and slotter attachment. 2,596,695, May 13.

Keller, Thomas, assignor to Cedarberg Manufacturing Company Inc., Minneapolis, Minn. Scraper employing razor blade. 2,601,723, July 1.

Keller Tool Company, assignee: *See*—
Ferm, William P.
Johnson, George S.
Shaff, Ernest H.

Keller, Wilbur R., Portland, Oreg. Archery range with movable target. 2,586,958, Feb. 26.

Keller, William J.: *See*—
Keller, Nellie G., and W. J.

Keller, William P., Havertown, Pa. Basketball game apparatus. 2,617,653, Nov. 11.

Kellershon, Heinrich J., Douglaston, assignor to Puro Filter Corporation of America, New York, N. Y. Series connected ice maker and water cooler. 2,605,621, Aug. 5.

Kellett, John A., North Hollywood, Calif. Fishing signal. 2,603,900, July 22.

Kellett, William R., Menasha, and L. G. Veler, Neenah, Wis., assignors to International Cellucotton Products Company. Catamenial bandage and absorption control element therefor. 2,600,882, June 17.

Kelley, Bartram: *See*—
Young, Arthur M., and Kelley.

Kelley, Benjamin F., Tulsa, Okla. Slip lifter lock. 2,594,446, Apr. 29.

Kelley, C. M., assignee: *See*—
Kelley, James B., Jr.

Kelley, Cecil S., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Rotor for disk brakes. 2,587,047, Feb. 26.

Kelley, Cecil S., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Combined brake cylinder and slack adjuster. 2,615,537, Oct. 28.

Kelley, Charles A.: *See*—
Flora, Laurence H., and Kelley.

Kelley, Charles E.: *See*—
Wolfe, John R., and Kelley.

Kelley, Dewey L., Cleveland, and A. von Haase, Parma Heights, Ohio: said von Haase assignor to said Kelley. Convertible clothes or dish washer. 2,603,097, July 15.

Kelley, Everett F.: *See*—
Snow, Howard C., Kelley, and Sayward.

Kelley, Harold W.: *See*—
Atkinson, John F., Kelley, and McCutchen.

Kelley, John F.: *See*—
Schleser, Warren J., and Kelley.

Kelley, John W., Canadian, Tex. Gate latch. 2,587,167, Feb. 26.

Kelly-Koett Manufacturing Co., The, assignee: *See*—
Greenberg, Elbert E., Feibel, and Todd.

Kelley, Kork, Wichita Falls, Tex. Reverse flow adapter for wells. 2,587,333, Feb. 26.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Tank cross drive for steering by variable-speed ratio driving means. 2,585,790, Feb. 12.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Cross drive for heavy vehicles. 2,596,931, May 13.

Kelley, Walter C., and H. C. Phillips, assignors to Minick's Ice Cream Co., Inc., Los Angeles, Calif. Mixer for frozen desserts. 2,611,588, Sept. 23.

Kelley, Walter F., Whitestone, assignor to Remington Rand, Inc., New York, N. Y. Punch. 2,604,944, July 29.

Kelley, William A., assignee: *See*—
Robbins, Bertha and D.

Kelley, William F., Roxbury, Conn. Adjustable child's seat. 2,590,253, Mar. 25.

Kellner, Gabriel, New York, N. Y. Perpetual calendar clock. 2,595,467, May 6.

Kellner, Hugh L.: *See*—
Easly, Joseph C., and Kellner.

Kellner, Paul, assignor to Dukay Machinery Corporation, New York, N. Y. Dough cutting and spreading machine. 2,619,052, Nov. 25.

Kellner, Theodore K.: *See*—
Wagner, Samuel, and Kellner.

Kellog, Henry B., Weehawken, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. 3,3'-bis-(1-substituted - 2,5 - diketo-7-methylpyrimidopyrazoles). 2,593,890, Apr. 22.

Kellogg, Bruce H., deceased, Los Gatos, and C. D. Murdoch, San Jose, Calif.; H. J. Kellogg, administratrix of said B. H. Kellogg. Engine starter. 2,622,701, Dec. 23.

Kellogg, Edward W., Haddonfield, N. J., assignor to Radio Corporation of America. Test film for motion-picture projectors. 2,592,291, Apr. 8.

Kellogg, Edward W., Haddonfield, and W. R. Isom, West Collingswood, N. J., assignors to Radio Corporation of America. Film pulldown method. 2,612,075, Sept. 30.

Kellogg, George O. A., Nampa, Idaho. Suture holding spool. 2,618,442, Nov. 18.

Kellogg, Helen J., administratrix: *See*—
Kellogg, Bruce H., and Murdoch.

Kellogg, Henry M., Stratford, Conn. Piecrust lifter. 2,613,977, Oct. 14.

Kellogg, Joseph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Servomotor and a throttling means for its fluid supply. 2,622,564, Dec. 23.

Kellogg, M. W., Company, The, assignee: *See*—
Alexander, Cruzan, and Palmer.
Belchetz, Arnold.
Birnbaum, Arnold.
Blum, Oscar A.
Borcherding, Walter H.
Burton, William P.
Burton, William P., McGrath, and Rubin.
Burton, William P., and Solomon.
Dalton, Thomas N.
Dickinson, Norman L.
Dreibelbis, Logan L.
Fichtmueller, Frederick A.
Goff, Howard B., and Lobo.
Grandinetti, Eugene, Rush, and Balmer.
Hopkins, Robert K.
Jewell, Joseph W.
Kaufman, Benjamin I.
Keith, Percival C.

Kellogg, M. W., Company, The, assignee: *See*—Continued.
Lobo, Walter E., and Skaperdas.
Marcy, Henry T., Mayer, and Reeves.
Marshall, Walton H., Jr.
McGrath, Henry G.
Passino, Herbert J.
Passino, Herbert J., and Morfit.
Passino, Herbert J., and Rubin.
Pratt, Thomas W.
Pyzel, Robert.
Rearick, Jonn S.
Rossheim, David B.
Rubin, Louis C.
Rubin, Louis C., and McGrath.
Rubin, Louis C., Riblett, and McGrath.
Solomon, Ernest.
Stearns, Walter V.
Thompson, Elliott R.
Williams, George B.
Williams, Theodore S.
Wrightson, John M.
Zauderer, Jerome, and Aleck.

Kellogg, Spencer, 2nd., Glen Head, N. Y., assignor to The Sperry Corporation. Instrument providing a vertical reference for dirigible craft. 2,595,268, May 6.

Kellogg, Spencer, 2d, Glen Head, assignor to The Sperry Corporation, Great Neck, N. Y. Flight indicating system for dirigible craft. 2,613,350, Oct. 7.

Kellogg, Spencer, 2d, Glen Head, N. Y., assignor to The Sperry Corporation. Radio navigation system. 2,613,352, Oct. 7.

Kellogg, Spencer, II, Glen Head, R. F. Hays, Jr., Syosset, and C. E. Barkalow, Huntington, N. Y., assignors to The Sperry Corporation. Control system for gyro verticals. 2,608,867, Sept. 2.

Kellogg Switchboard and Supply Company, assignee: *See*—
Arthur, Richard P.
Boyer, Richard P., Jr.
Boyer, Richard P., Jr., and Bellamy.
Brodie, George H.
Houdek, Joseph F., Jr.
Saunders, Norman H., Hackett, and Bellamy.

Kells, Edward L., Covina, and G. W. Miller, Alhambra, Calif. Jacketed cooking vessel. 2,595,527, May 6.

Kelly, Alden W.: *See*—
Stenson, Charles E., and Kelly.

Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Building construction. 2,608,276, Aug. 26.

Kelly, Dennis H., Grand Rapids, assignor to General Motors Corporation, Detroit, Mich. Machine for testing hydraulic tappets. 2,619,834, Dec. 2.

Kelly, Eugene R.: *See*—
Strohm, Vernon L., and Kelly.

Kelly, Gerald W.: *See*—
Stoddard, William E., and Kelly.

Kelly, Harry J.: *See*—
Brandt, John B., Kelly, and Burns.

Kelly, Henry W., Columbus, Ohio. Floor furnace with removable heating unit. 2,589,702, Mar. 18.

Kelly, Hugh T., Wiseton, Saskatchewan, Canada. Smoker's appliance. 2,588,537, Mar. 11.

Kelly, James B., Jr., assignor of one-third to H. Gurinsky and nine-thirtieths to C. M. Kelly, San Antonio, Tex., one-thirtieth to F. McGown and F. McGown, Jr., jointly. Frame structure for hay balers. 2,593,569, Apr. 22.

Kelly, John H., Jr., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Making cellular rubber using amines. 2,592,708, Apr. 15.

Kelly, Joseph M.: *See*—
Perlow, Gilbert J., and Kelly.

Kelly, Louis W., Alhambra, Calif. Valve grinder. 2,614,372, Oct. 21.

Kelly, Michael H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Mold shakeout apparatus. 2,597,246, May 20.

Kelly, Oliver K., Birmingham, assignor to Genral Motors Corporation, Detroit, Mich. Combined transmission. 2,606,460, Aug. 12.

Kelly, Paul C., Rehoboth Beach, Del. Crib attachment for beds. 2,598,999, June 3.

Kelly, Paul V.: *See*—
Angle, Belford C., Palo, and Kelly.

Kelly, Ralph E., Alvord, Iowa. Belt pulley controller for tractors. 2,610,522, Sept. 16.

Kelly, Robert J., Waterford, Conn. Toggle actuated hand grip clamp or wrench. 2,617,458, Nov. 11.

Kelly, Sam E., assignee: *See*—
Wiegman, John J.

Kelly, William D., Western Springs, assignor to Tuttle & Kift, Inc., Chicago, Ill. Raising and lowering facilities for deep well cooker heaters. 2,615,118, Oct. 21.

Kelly, William L., and O. Pottberg, Denham, Fla. Automatic pipe coupling. 2,604,338, July 22.

Kelsall, Margaret A., Boulder, Colo. Garment. 2,620,476, Dec. 9.

Kelsay, Le Roy W., West Point Pleasant, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective device. 2,600,407, June 17.

Kelsay, Le Roy W., West Point Pleasant, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable terminal. 2,619,518, Nov. 25.

Kelsey, Cadwallader W., Troy, N. Y. Auxiliary rotor for tiller gear casings. 2,586,542, Feb. 19.

Kelsey, Cadwallader W., Troy, N. Y. Rotary soil-working device. 2,597,107, May 20.

Kelsey-Hayes Wheel Company, assignee: *See*—
Kelly, Michael H.
Potter, Elbert L.
Ross, Elmer R.
Sharpe, Frederick P.
Sinclair, Charles W.
Whitten, Owen M.
Whitten, Owen M., and Atkin.
Zimmerman, Thomas.

Kelsey, Lawrence C., assignor to W. M. Welsh Manufacturing Company, Chicago, Ill. Phototube amplification. 2,608,128, Aug. 26.

Kelsey, Ralph J., Menominee, Mich., assignor, by mesne assignments, to Steerbak Corporation, La Crosse, Wis. Trailer steering mechanism. 2,608,417, Aug. 26.

Kelsey, Walter, New York, N. Y. Paper machine drier. 2,586,829, Feb. 26.

Kelsey, Walter, New York, N. Y. Sintering machine. 2,614,828, Oct. 21.

Kelsey, Walter, New York, N. Y. Sintering machine. 2,614,829, Oct. 21.

Kelsey, Walter, New York, N. Y. Breaking sinter cake during sintering. 2,614,920, Oct. 21.

Kelsey, William H., Stockton, Utah. Elevator bucket with suction barrier. 2,584,025, Jan. 29.

Kelso, Clarence L., Oilton, Okla. Pipe lowering clamp. 2,617,678, Nov. 11.

Kelso, James M.: *See*—
Rogers, Philip S., Emmons, Godfrey, and Kelso.

Kelso, John W., Clairton, Pa., assignor to United States Steel Company. Inlet cannon with replaceable bearing shoe for billet-piercing mills. 2,603,115, July 15.

Kelso, Wilbur A., Cincinnati, Ohio. Antibacklash fishing device. 2,613,047, Oct. 7.

Keltner, Barbara L.: *See*—
Keltner, Robert N. and B. L.

Keltner, Robert N. and B. L., Phoenix, Ariz. Retractable step assembly. 2,581,488, Jan. 8.

Kelto, Reuben W.: *See*—
Sackett, Loren C., Miller, and Kelto.

Kelvin & Hughes Limited, assignee: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.
Reilly, Hugh L., and Seymour.
Pritchard, Harold C., Thomas, and Roberts.

Kemler, Glenn C., assignor to Union Steel Products Company, Albion, Mich. Fan guard. 2,617,583, Nov. 11.

Kemme, Claire H., Glen Cove, N. Y. Safety ash tray. 2,604,891, July 29.

Kemmerer, Clarence H., Emmaus, Pa. Guide means for wood shapers. 2,597,646, May 20.

Kemmetmüller, Roland: *See*—
Feifel, Eugen, and Kemmetmüller.

Kemp, Clayton, Merchantville, assignor to Kieckhefer Container Company, Camden, N. J. Folding device. 2,591,553, Apr. 1.

Kemp, Harold: *See*—
Gill, Bertram T., and Kemp.

Kemp, Jack V. L., Tebworth, Leighton Buzzard, assignor to Craig Kemp Limited, London, England. Automatic gate control. 2,594,033, Apr. 22.

Kemp, Jacob D., assignor to California Research Corporation, San Francisco, Calif. Two-stage isomerization of N-heptane. 2,583,740, Jan. 29.

Kemp, Jacob D., San Francisco, and A. E. Stickland, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Catalytic isomerization of isoheptanes to triptane. 2,583,739, Jan. 29.

Kemp, Jacob D., Richmond, and L. F. Brooke, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Polymerization of propylene with liquid phosphoric acid. 2,592,428, Apr. 8.

Kemp, John H., Jr., San Carlos, Calif. Apparatus for handling leads. 2,588,732, Mar. 11.

Kemp, Thomas J., assignee: *See*—
Hollingsworth, Carl W.

Kemp, William J., Deptford, London, assignor to Molins Machine Company Limited, London, England. Device for assembling batches of cigarettes for packing. 2,621,840, Dec. 16.

Kemper, Eugen, Bouchum-Harpen, Germany, assignor, by mesne assignments, to Koppers Company, Inc., Pittsburgh, Pa. Liquid level control and indicator device. 2,621,240, Dec. 9.

Kemper, Harry C.: *See*—
LeBlond, Richard K., and Kemper.

Kemper, John E., Los Angeles, Calif. Ceramic tool. 2,597,336, May 20.

Kempf, Dean R., Minneapolis, assignor of fifty per cent to A. V. Casey, Red Wing, Minn. Hotbox detector for railway cars and the like. 2,619,586, Nov. 25.

Kemppe, Adolph J., Santa Rosa, Calif. Clamp for holding band on a tooth. 2,602,227, July 8.

Kempthorne, James L., Essex Fells, N. J. Apparatus for spraying particles of insulating material. 2,585,133, Feb. 12.

Kempthorne, James L., Essex Fells, N. J. Portable insulation spraying device. 2,595,528, May 6.

Kemptner, Frank, assignee: *See*—
Pica, Daniel.

Kenco Products Corporation, assignee: *See*—
Steele, Vernon P.

Kendall Company, The, assignee: *See*—
Elson, William O.

Kendall, Donald B., assignor to Toledo Scale Company, Toledo, Ohio. Electrical relay system. 2,596,900, May 13.

Kendall, Donald B., and H. W. Burson, assignors to Toledo Scale Company, Toledo, Ohio. Attachment for weighing scale housings. 2,616,589, Nov. 4.

Kendall, Edward C.: *See*—
McGuckin, Warren F., and Kendall.

Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Intermediate compounds in the synthesis of dehydrocorticosterone. 2,587,579, Mar. 4.

Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Intermediate compounds in the synthesis of dehydrocorticosterone. 2,598,559, May 27.

Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Methods and compounds useful in the production of 17-hydroxysteroids. 2,602,804, July 8.

Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. 21-bromo steroids. 2,623,051, Dec. 23.

Kendall, Edward C., and V. R. Mattox, Rochester, Minn., assignors to Research Corporation, New York, N. Y. Introduction of a double bond adjacent a keto group in ketosteroids. 2,590,978, Apr. 1.

Kendall, George C.: *See*—
Wickes, Harvey R., Bintz, Kretschmer, and Kendall.

Kendall, George H., Noroton Heights, Conn. Automatic gauging and assorting device. 2,592,157, Apr. 8.

Kendall, Harold G., assignee: *See*—
Fritzinger, George H.

Kendall, Harold M., Potsdam, N. Y. Machine for cleaning receptacles. 2,609,916, Sept. 9.

Kendall, Hugh C., Rochester, and L. H. Orpin, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,588,930, Mar. 11.

Kendall, Hugh C., Rochester, and L. H. Orpin, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,588,931, Mar. 11.

Kendall, James M., Coral Hills, Md., assignor to Geophysical Research Corporation, New York, N. Y. Underwater microphone. 2,582,994, Jan. 22.

Kendall, James M., Coral Hills, Md., assignor to Geophysical Research Corporation, New York, N. Y. Calibrating microphones. 2,597,005, May 20.

Kendall, John D.: *See*—
Doyle, Frank P., and Kendall.
Edwards, Harry D., and Kendall.
Fry, Douglas J., and Kendall.

Kendall, John D., and H. G. Suggate, assignors to Ilford Limited, Ilford, England. Stabilizers in photographic emulsions and developers. 2,588,538, Mar. 11.

Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Silver halide emulsion containing a thio-imino-urazole as a stabilizer. 2,590,775, Mar. 25.

Kendall, John D., and J. R. Major, assignors to Ilford Limited, Ilford, England. Production of cyanine dyestuffs. 2,596,776, May 13.

Kendall, John D., and G. F. Duffin, assignors to Ilford Limited, Ilford, England. Production of diaryl pyrazolines. 2,610,969, Sept. 16.

Kendall, John T., Great Falls, Mont. Portable power-driven recessing apparatus. 2,623,557, Dec. 30.

Kendall, Leon M., Manchester, assignor to Kenlane Manufacturing Company, Inc., Gardiner, Maine. Assembled awning structure. 2,602,199, July 8.

Kendall, Leon M., Manchester, Maine, assignor to Kenlane Manufacturing Company Inc. Adjustable window shutter. 2,607,451, Aug. 19.

Kendall, Paul D.: *See*—
Tresise, Raleigh E., and Kendall.

Kendrick, George L., Shreveport, La. Duck caller. 2,598,268, May 27.

Kendrick, James R., Greenville, S. C. Air conditioning and speaker unit for automobiles. 2,612,830, Oct. 7.

Kendrick, James R., Co., Inc., assignee: *See*—
Fox, George H.

Kendrick, John F., Columbus, Ohio. Apparatus for drilling motion indicators. 2,584,026, Jan. 29.

Kendrick, John F., Columbus, Ohio. Drilling cable with insulated conductor. 2,584,027, Jan. 29.

Kendrick, John F., Columbus, Ohio. Impact switch. 2,584,028, Jan. 29.

Kendrick, John W., assignor to Met-L-Wood Corporation, Chicago, Ill. Sealing arrangement for sliding closures. 2,611,937, Sept. 30.

Kendrick, Karl A., Grank Rapids, Mich. Switch construction for auction cleaner appliances. 2,583,949, Jan. 29.

Kenis, Ivan, Dayton, Ohio, assignor to Industrial Metal Protectives, Inc., Wilmington, Del. Zinciate impregnated fiber glass. 2,583,855, Jan. 29.

Kenlane Manufacturing Company Inc., assignee: *See*—
Kendall, Leon M.

Kenmar Manufacturing Company, The, assignee: *See*—
Maurer, Fred C.

Kenmotsu, Hiroshi, San Francisco, Calif. Sheet dispenser. 2,619,398, Nov. 25.

Kennametal Inc., assignee: *See*—
McKenna, Philip M., and Kennicott.

Kennard, Stewart R., Jr., assignee: *See*—
Clinton, Otto M.

Kennard, Theodore G., assignee: *See*—
Drake, John F.

Kennebeck, Paul A., Grand Prairie, Tex. Electrode structure for vacuum tubes. 2,607,016, Aug. 12.

Kennebeck, Paul A., Grand Prairie, Tex. Narrow beam receiving antenna. 2,615,126, Oct. 21.

Kennecott Copper Corporation, assignee: *See*—
Glasser, Julian, and Hampel.
Hampel, Clifford A., and Glasser.
Larson, Leonard, and Berge.

Kennedy, Angus B., deceased, Cincinnati, Ohio; V. A. Kennedy, administratrix of said A. B. Kennedy, assignor to V. A. Kennedy, Cincinnati, Ohio. Rotary transfer valve. 2,585,472, Feb. 12.

Kennedy, Angus B., assignor, by decree of distribution, to V. A. Kennedy, Cincinnati, Ohio. Extraction apparatus and method. 2,585,473, Feb. 12.

Kennedy, Arthur W., Corvallis, Oreg. Watchmaker's poising tool. 2,618,867, Nov. 25.

Kennedy, Benjamin H., Pittsford, N. Y. Infant's bathing device. 2,607,044, Aug. 19.

Kennedy, Bert, Gloversville, N. Y. Wristband accessory for gloves. 2,604,629, July 29.

Kennedy, Bert, Johnstown, N. Y. Glove. 2,590,015, Mar. 18.

Kennedy, Bert, Johnstown, N. Y. Glove. 2,591,905, Apr. 8.

Kennedy, Charles J., Oaklyn, N. J., assignor to Collins Radio Company, Cedar Rapids, Iowa. Identification keyer. 2,622,145, Dec. 16.

Kennedy, Chester R., Lakeville, Mass. Antiskid device for pneumatic tires. 2,608,232, Aug. 26.

Kennedy, Chester R., Lakeville, Mass. Apparatus for making antiskid tires and mounting the same. 2,608,498, Aug. 26.

Kennedy, Frank J., Dormont, assignor to National Electric Products Corporation, Pittsburgh, Pa. Continuous method of making butt weld tubing. 2,581,673, Jan. 8.

Kennedy, Gilbert J., assignor to Philco Corporation, Philadelphia, Pa. Phonograph record centering and driving means. 2,619,351, Nov. 25.

Kennedy, Harry E., Berkeley, Calif., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Deck hatch structure. 2,585,134, Feb. 12.

Kennedy, Harvey T., Oakmont, Pa., and W. F. Rogers, Houston, Tex., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Reducing corrosion in wells. 2,581,540, Jan. 8.

Kennedy, Heyward: *See*—
Graham, Paul S., and Kennedy.

Kennedy, Jack D.: *See*—
Walsh, Robert, and Kennedy.

Kennedy, James, Wood-Ridge, N. J., assignor to Curtiss-Wright Corporation. System for simulating aircraft engine starting. 2,608,005, Aug. 26.

Kennedy, James A., Ann Arbor Township, Washtenaw County, Mich. Vehicle traction device. 2,580,434, Jan. 1.

Kennedy, James A., Ann Arbor Township, Washtenaw County, Mich. Vehicle driving chain. 2,596,248, May 13.

Kennedy, James E., assignee: *See*—
Engle, Andrew J.

Kennedy, James R., Purcell, Okla. Excavator and loader. 2,603,894, July 22.

Kennedy, John J., Richmond Hill, N. Y. Support. 2,586,543, Feb. 19.

Kennedy, John J., Richmond Hill, N. Y. Rack with drip catcher. 2,608,843, Sept. 2.

Kennedy, Joseph E., New York, N. Y. Air swept partitioned tube mill. 2,620,987, Dec. 9.

Kennedy, Margaret H., New York, and M. P. Castagna, Brooklyn, assignors to Standard Brands Incorporated, New York, N. Y. Pudding compositions. 2,607,692, Aug. 19.

Kennedy, Raymond E., New Salisbury, Ind. Electrical cooking device. 2,611,067, Sept. 16.

Kennedy, Thomas J.: *See*—
Reynolds, William B., Wickletz, and Kennedy.

Kennedy-Van Saun Manufacturing & Engineering Corporation, assignee: *See*—
Niemitz, Gerhard.
Pyle, John V.

Kennedy, Vera A., administratrix, assignee: *See*—
Kennedy, Angus B.

Kennedy, Verne C., Evanston, assignor to Streeter-Amet Company, Chicago, Ill. Weighing scale. 2,623,493, Dec. 30.

Kennedy, Verne C., and V. C. Kennedy, Jr., Evanston, assignors to Streeter-Amet Company, Chicago, Ill. Digital counting apparatus. 2,623,936, Dec. 30.

Kennedy, Verne C., Jr.: *See*—
Kennedy, Verne C., and V. C. Kennedy, Jr.

Kennedy, Walter, Cliffside Park, N. J. Radiant gas burner. 2,601,299, June 24.

Kennedy, Walter, Cliffside Park, N. J. Combination quick freeze and refrigerator cabinet. 2,618,936, Nov. 25.

Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Adjustable air distribution grille. 2,612,095, Sept. 30.

Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Adjustable air distribution grille. 2,612,096, Sept. 30.

Kennedy, William M., Lyndhurst, N. J. Baffle for air ducts of generator coolers. 2,618,133, Nov. 18.

Kennedy, William M., Lyndhurst, and B. E. Meurk, Upper Montclair, N. J. Air and erosion or corrosion eliminator device. 2,611,446, Sept. 23.

Kenner, Leonard: *See*—
Lewis, John B., and Kenner.

Kennette, Heath O., Plainfield, N. J., assignor to Chicopee Manufacturing Corporation. Baby pants. 2,606,558, Aug. 12.

Kenney, Clarence E., and C. D. Wilson, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Steam turbine. 2,609,255, Sept. 2.

Kenney, Cyril E., Portman Square, London, England. Construction of paneled walls for buildings. 2,593,891, Apr. 22.

Kenney, Edward J.: *See*—
Sowa, Frank J., and Kenney.

Kenney, Joseph F., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Lead styphnate and manufacturing same. 2,589,703, Mar. 18.

Kenney, Mahlon W., Oak Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Cabinet for sound reproducing equipment. 2,594,565, Apr. 29.

Kenney, Mahlon W., Oak Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,610,858, Sept. 16.

Kenney, Mahlon W., Oak Park, and C. G. Johnson, assignors to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,597,803, May 20.

Kenney Manufacturing Company, assignee: *See*—
Cameron, Warren B. S.
Kenney, William C.

Kenney, Norwood D.: *See*—
Swift, Bernard, and Kenney.

Kenney, Robert F., Gardner, Mass. Safety pin holder. 2,613,817, Oct. 14.

Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Festoon holder. 2,588,246, Mar. 4.

Kenney, William H., Teaneck, N. J. Wall form system. 2,613,424, Oct. 14.

Kenngott, Robert L.: *See*—
Marwell, Edward M., and Kenngott.

Kenngott, Robert L., Pleasantville, N. Y. Composite cam and cam follower mechanism. 2,581,109, Jan. 1.

Kennicott, Wilbur L.: *See*—
McKenna, Philip M., and Kennicott.

Kennison, Hugh F., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for molding concrete pipes. 2,597,934, May 27.

Kennon, Lorenzo, Burbank, assignor to Rice Engineering Corporation, Los Angeles, Calif. Door hinge and check. 2,588,010, Mar. 4.

Kennon, Louis H., Houston, assignor to C. L. Vickers, Galveston County, Tex. Piston ring. 2,623,797, Dec. 30.

Kennon, Woodrow A., Birmingham, Ala. Indoor marble playing ring. 2,621,931, Dec. 16.

Kenny, Richard J., Yeovil, England. Internal expanding brake. 2,582,755, Jan. 15.

Kenosha Auto Transport Corporation, assignee: *See*—
Carey, Clinton C.
Demos, George.

Kenosian, Harry, Chelsea, Mass. Meter. 2,589,263, Mar. 18.

Kensel, Robert G., Barrington, Ill. Desk pad holder. 2,589,396, Mar. 18.

Kensey, Alexander, San Marino, assignor to Coast Envelope Company, Los Angeles, Calif. Checkbook binder. 2,603,507, July 15.

Kensington Steel Company, assignee: *See*—
Posselt, Ejnar.

Kensok, John R., Minnesota Lake, Minn. Hydraulic valve for controlling the flow of fluid to cylinders. 2,603,192, July 15.

Kent, Earle L., assignor to C. G. Conn Ltd., Elkhart, Ind. Combination setter for organs. 2,612,810, Oct. 7.

Kent, Francis J.: *See*—
Katz, Francis J.

Kent, Jan H. F., assignor of one-half to Auto Tyre Services Limited, Basingstoke, England. Mold for tires. 2,599,841, June 10.

Kent-Moore Organization, Inc., assignee: *See*—
Pfetzing, Henry V.

Kent, Nelson H.: *See*—
Shelley, Thomas, and Kent.

Kent, Norman L.: *See*—
Jones, Charles R., Thomlinson, and Kent.

Kent, Owen C., Hollydale, Calif., assignor, by mesne assignments, to General Metals Corporation. Adjustable front axle for row crop tractors. 2,604,332, July 22.

Kent, Thomas A., Los Angeles, Calif. Adjustable folding table for automobile seats. 2,619,395, Nov. 25.

Kenwood Manufacturing Company Limited, assignee: *See*—
Laurence, Roger F.
Kenworth Motor Truck Corporation, assignee: *See*—
Sinn, Hendrick E.
Kenworthy, Aurelia E., Kansas City, Mo. Adjustable leg rest for invalids. 2,581,110, Jan. 1.
Kenyon, Bertrand F., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Window balance. 2,598,560, May 27.
Kenyon, David E., Cold Spring Harbor, N. Y., assignor to The Sperry Corporation. Radio beacon. 2,602,162, July 1.
Kenyon, David E., Cold Spring Harbor, and H. M. Hammond, Williston Park, N. Y., assignors to The Sperry Corporation. Modulating and transmitting apparatus. 2,602,136, July 1.
Kenyon Instrument Company, Inc., assignee: *See*—
Maiwald, Ernest J., Jr.
Tuttle, Clifton M., and Stafford.
Kenyon, Theodore W., Huntington, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Hydraulic servomotor system. 2,598,180, May 27.
Kenyon, William O.: *See*—
Reynolds, Delbert D., and Kenyon.
Keough, John J., Marlboro, Mass. Combined pump and motor cylinder. 2,611,350, Sept. 23.
Kepes, André, Saint-Maude, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Testing apparatus for the measurement of the internal physical properties of solids. 2,614,415, Oct. 21.
Kephart, A. Evans, assignee: *See*—
Bongiovanni, Antonio.
Kephart, John W., Jr., assignee: *See*—
Bongiovanni, Antonio.
Kephart, Samuel M., Roanoke, Va., assignor to Puritan Mills, Inc. Sleeping garment with attached shaped feet. 2,605,471, Aug. 5.
Kepner, Robert C., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Spring bumper and draft gear. 2,588,848, Mar. 11.
Kerby, Wilmer, Ottawa, Ontario, Canada. Battery heater. 2,611,853, Sept. 23.
Kerian, Louis, Grafton, N. Dak. Portable sorting machine. 2,582,545, Jan. 15.
Kerker, Dorus G.: *See*—
Seur, Christiaan J., and Kerker.
Kerkhof, Frederik: *See*—
Cole, Byron M., and Kerkhof.
Kerkhoff, Joseph V., South Fort Mitchell, Ky. X-ray tube. 2,597,498, May 20.
Kern, Albert H., Birmingham, Ala. Card holder. 2,584,352, Feb. 5.
Kern, Charles J., Long Island City, T. Antoshkiw, Stapleton, and M. R. Maiese, Brooklyn, assignors to American Home Products Corporation, New York, N. Y. Clear aqueous solutions of oleaginous compositions. 2,583,576, Jan. 29.
Kern, Edward A., Pittsfield, Mass., assignor to General Electric Company. Preparation of vinyltetrahydronaphthalenes. 2,588,123, Mar. 4.
Kern, Frederick E., St. Louis, Mo. Making a slag-forming agent. 2,620,267, Dec. 2.
Kern, Jack I., assignor to the National Cash Register Company, Dayton, Ohio. Indicating apparatus. 2,603,702, July 15.
Kern, Jack I., assignor to The National Cash Register Company, Dayton, Ohio. Indicating apparatus. 2,617,870, Nov. 11.
Kern, Jakob, Zurich, Switzerland. File body. 2,622,311, Dec. 23.
Kern, Walter: *See*—
Jenny, Walter, and Kern.
Sutter, Paul, and Kern.
Kern, Walter, Sissach, P. Sutter, Binningen, and T. Holbro, assignors to Ciba Limited, Basel, Switzerland. Sulfonamido alpha aroylamino derivatives of anthraquinone compounds. 2,586,233, Feb. 19.
Kernkamp, Irwin A., Spokane, Wash. Oxygen tank cart. 2,611,622, Sept. 23.
Kerns, Quentin A.: *See*—
Simpson, Kenneth M., Baker, and Kerns.
Kerns, Quentin A., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse type transformer. 2,599,182, June 3.
Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage multiple core transformer. 2,600,057, June 10.
Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Automatic drift corrector. 2,619,552, Nov. 25.
Kerns, Quentin A., Oakland, L. W. Whitcomb, and E. E. Brown, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Analyzer. 2,620,256, Dec. 2.
Kerr, Alexander H., & Co., Inc., assignee: *See*—
Sachs, Carrol C.
Kerr, Eva M., Pittsburgh, Pa. Cleaning stand for Venetian blinds. 2,598,798, June 3.
Kerr, Homer V., assignor of 50 per cent to L. H. Jarvis, Clarksburg, W. Va. Valve spring compressor and tension tester. 2,589,552, Mar. 18.
Kerr, Howard J., Westfield, N. J., J. Fletcher, and L. Koolstra, Akron, and G. A. Watts, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel burning apparatus. 2,594,312, Apr. 29.
Kerr, Hugh M., and W. G. Richardson, Brownsburg, and H. A. Logan, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Delay electric blasting cap. 2,586,959, Feb. 26.
Kerr, James G., Washington, D. C. Dual-purpose envelope. 2,600,114, June 10.
Kerr, James S., Cumberland, Md. Point adjuster for distributors. 2,594,447, Apr. 29.
Kerr, John, Galt, Ontario, Canada. Paper cutting machine having a back gauge clamping means. 2,605,839, Aug. 5.
Kerr, Ralph W.: *See*—
Pigman, William W., Kerr, and Schink.
Kerr, Ralph W., Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y. Modifying starch with aluminum chloride and enzyme and applications of such modified starch. 2,619,428, Nov. 25.
Kerr, Raymond W., and W. C. Koenig, Hastings, Nebr., said Koenig assignor to said Kerr. Method and apparatus for making laminated articles. 2,618,310, Nov. 18.
Kerr, Wallace E., Youngstown, Ohio. Drawing tubes. 2,597,499, May 20.
Kerr, Wallace E., Youngstown, Ohio. Apparatus for drawing elongated metal objects. 2,597,500, May 20.
Kerr, Wallace E., Youngstown, Ohio. Drawbench arm mechanism. 2,605,890, Aug. 5.
Kerridge, Frank E., and C. S. Couper, assignors to Johnson, Matthey & Company Limited, London, England. Decoration of heat-resisting bases, such as glass, earthenware, and china. 2,610,126, Sept. 9.
Kerridge, Frank E., and C. S. Couper, assignors to Johnson, Matthey & Company Limited, London, England. Silk-screen printing paste. 2,610,127, Sept. 9.
Kerridge, Frank E., and C. S. Couper, assignors to Johnson, Matthey & Company Limited, London, England. Silk-screen printing paste. 2,610,128, Sept. 9.
Kerridge, George W.: *See*—
Vittum, Paul W., and Kerridge.
Kerrigan, Frank J., Winchester, Mass. Bubble tower. 2,596,249, May 13.
Kerrigan Iron Works, Inc., assignee: *See*—
Daniels, Gordon E.
Kerrigan, John P., Merchantville, N. J. Impact indicator for containers. 2,601,440, June 24.
Kersey, Maurice J., New Castle, Ind. Metal awning structure. 2,588,011, Mar. 4.
Kershaw, Arthur: *See*—
Slade, Charles E., and Kershaw.
Kershaw, Knox, Montgomery, Ala. Railway track tool. 2,597,337, May 20.
Kershaw, Norman, and H. Ryder, Leeds Yorkshire, England. Sectional cover for protecting the focusing mechanism of binoculars. 2,581,865, Jan. 8.
Kershaw, Royce, Montgomery, Ala. Ballast spreader. 2,583,378, Jan. 22.
Kershaw, Stanley C., Saylesville, R. I., assignor to The Clark Thread Company, Inc., Newark, N. J. Thread-advancing reel. 2,581,866, Jan. 8.
Kershaw, Wilfred L.: *See*—
Engelhardt, Richard A., Kershaw, and Schroeder.
Kersten, Herbert H., Fort Dodge, Iowa. Differential thermostat with opposing himetallic coils and partition therebetween. 2,601,028, June 17.
Kersten, Herbert H., Iowa City, Iowa. Windward lifting centerboard. 2,608,173, Aug. 26.
Kertesz, Zoltan I., Geneva, N. Y. Simple turbidity measuring device. 2,595,082, Apr. 29.
Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Hydroxyethylamino fluorenes. 2,588,849, Mar. 11.
Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-substituted amino-ethanols. 2,597,247, May 20.
Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-substituted amino-ethanols. 2,597,248, May 20.
Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N,N-disubstituted-beta-halo-alkylamines. 2,599,000, June 3.
Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N,N-di-substituted-beta-halo-alkylamines. 2,599,001, June 3.
Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-substituted-beta halo-ethyl amines. 2,600,301, June 10.
Kesel, Robert E., and H. T. Robinson, assignors to Eastman Kodak Company, Rochester, N. Y. Camera shutter with two successively operated blades. 2,621,570, Dec. 16.
Kesel, Robert G., Aurora, Ill., assignor to The University of Illinois Foundation. Ammoniated dentifrice. 2,622,058, Dec. 16.

Keshian, Henry G., Waterbury, Conn. Metallurgical apparatus for treating test specimens. 2,611,264, Sept. 23.
Kesling, Elmer G., assignor of one-half to G. M. Kesling, Bloomfield, Mo. Calculator. 2,588,539, Mar. 11.
Kesling, Elmer G., assignor of one-half to G. M. Kesling, Bloomfield, Mo. Calculator device. 2,594,566, Apr. 29.
Kesling, Elmer G., assignor of one-half to Gladys M. Kesling, Bloomfield, Mo. Lathe attachment. 2,607,240, Aug. 19.
Kesling, Gladys M., assignee: *See*—
Kesling, Elmer G.
Kessel, William P., and J. F. Shafer, San Francisco, Calif., said Shafer assignor to said Kessel. Self-powering fluid brake. 2,609,894, Sept. 9.
Kesselring, Ammon, Dover, Del. Safety attachment for cutter bars. 2,589,553, Mar. 18.
Kesselring, Fritz, Zollikon/Zurich, Switzerland, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft Bachtobel-Weinfelden. Variable impedance device. 2,586,544, Feb. 19.
Kesselring, Fritz, Zollikon/Zurich, Switzerland, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft. Electromagnetic switching device for controlling electric circuits. 2,597,873, May 27.
Kesselring, Fritz, Zollikon-Zurich, and H. Degler, Zurich, assignors to F K G Fritz Kesselring Gerätebau Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Magnetic switching device of the cartridge or plug-type. 2,606,981, Aug. 12.
Kesselring, Fritz, Zollikon-Zurich, assignor to F K G Fritz Kesselring Gerätebau Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Overload limiting means for electric circuits. 2,607,029, Aug. 12.
Kesselring, Fritz, Zollinkon-Zurich, Switzerland. Electromagnetic control device. 2,619,563, Nov. 25.
Kesselring, Fritz, Zollikon-Zurich, Switzerland. Converter with electromagnetic switches. 2,619,628, Nov. 25.
Kesselring, Fritz, Zollikon-Zurich, and E. Wettstein, Zurich, Switzerland, assignors to FKG Fritz Kesselring Geratebau Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Electric converting apparatus. 2,617,974, Nov. 11.
Kessels, Franciscus A. H., assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Light-sensitive diazotype materials. 2,617,726, Nov. 11.
Kessler, David L., and W. S. Worley, assignors to The Gates Rubber Company, Denver, Colo. V belt power transmission system. 2,590,182, Mar. 25.
Kessler, Frank, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone and code call. 2,584,210, Feb. 5.
Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone conversation timing means. 2,595,388, May 6.
Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone party line intercept circuit. 2,605,362, July 29.
Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone intercept system. 2,608,620, Aug. 26.
Kessler, Frank, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Test board for telephone systems. 2,617,896, Nov. 11.
Kessler, Frank, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Test board for telephone systems. 2,617,897, Nov. 11.
Kessler, Frank, and W. T. Powell, Rochester, N. Y., assignors to Stromberg-Carlson Company. Telephone test selector. 2,623,956, Dec. 30.
Kessler, Frederick P., Wauwatosa, assignor to Michael Yundt Company, Waukesha, Wis. Bottle-washing machine. 2,617,435, Nov. 11.
Kessler, Hyman, Washington, D. C. Windshield wiper. 2,587,168, Feb. 26.
Kessler, Joseph S.: *See*—
Lucas, Walter D., Erbert, and Kessler.
Kessler, Lee H., assignee: *See*—
Grisdale, George W., Jr.
Kessler, Lee H., assignor of one-quarter to H. F. Derrick, one-quarter to N. H. Kessler and one-quarter to N. H. Kessler, Springville, N. Y. Impact rotor for stone breakers. 2,585,943, Feb. 19.
Kessler, Lee H., Springville, N. Y. Rotor for stone crushing apparatus. 2,588,847, Mar. 11.
Kessler, Merrill, Oakland, Calif., assignor to Aristocrat Manicuring Company. Flexible shaft for manicuring machines. 2,596,335, May 13.
Kessler, Merrill, Oakland, Calif., assignor to Aristocrat Manicuring Company. Power-driven manicuring device. 2,597,525, May 20.
Kessler, Merrill, Oakland, Calif., assignor to Aristocrat Manicuring Company. Rotary manicuring instrument. 2,597,526, May 20.
Kessler, Nellie H., assignee: *See*—
Grisdale, George W., Jr.
Kessler, Lee H.
Kessler, Norman H., assignee: *See*—
Grisdale, George W., Jr.
Kessler, Lee H.
Kessler, Ward P., near Bristol, Ind., assignor to V. M. Langsett, Chicago, Ill., as trustee. Sash balance. 2,596,932, May 13.
Kessler, Ward P., near Bristol Village, Ind. Weather stripping in window sash. 2,599,183, June 3.
Kessler, Ward P., Bristol, Ind., assignor to V. M. Langsett, Chicago, Ill., as trustee. Corner joinery in sash. 2,617,502, Nov. 11.
Kessman, Maurice: *See*—
Sack, August B., and Kessman.
Kestell, Thomas A., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,609,552, Sept. 9.
Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Gearing. 2,589,090, Mar. 11.
Kester, Dwayne A., Mansfield, Wash. Fishing reel. 2,613,045, Oct. 7.
Kester, Ernest B.: *See*—
Van Atta, George R., Kester, and Olcott.
Kestner, Herman M.: *See*—
Kestner, Matthew W. and H. M.
Kestner, Matthew W., and H. M., assignors to The American Ship Building Company, Cleveland, Ohio. Quick action hatch clamp. 2,583,053, Jan. 22.
Kestral Corporation, assignee: *See*—
Marsh, Frederick W.
Ketchpel Engineering Company, assignee: *See*—
Ketchpel, Paul A.
Ketchpel, Paul A., assignor to Ketchpel Engineering Company, West Englewood, N. J. Portable hoist. 2,603,372, July 15.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Sash holding bracket. 2,614,298, Oct. 21.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Store front bar construction. 2,620,525, Dec. 9.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Attaching clip for wall surfacing. 2,620,906, Dec. 9.
Ketel, Henry, assignor to Holland Hitch Company, Holland, Mich. Fifth wheel side release locking mechanism. 2,610,069, Sept. 9.
Ketel, Henry, assignor to Holland Hitch Company, Holland, Mich. Universal action fifth wheel. 2,618,488, Nov. 18.
Ketelsen, Peter, Wichita, Kans. Gas burner and sectional hearth. 2,592,911, Apr. 15.
Keto, August I., Los Altos, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Torpedo depth control system. 2,613,627, Oct. 14.
Ketterer, Joseph F., Trenton, N. J. Method of and apparatus for arranging the parts of a liquid dispensing system for determining the amount of liquid withdrawn therefrom. 2,599,560, June 10.
Kettl, John W.: *See*—
Clement, Anthony J. F., and Kettl.
Kettler, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Sound translating device arranged to elliminate extraneous sound. 2,603,724, July 15.
Kettler, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Earcap for earphones. 2,621,751, Dec. 16.
Kettunen, Kalle V., Helsingfors, Finland. Method and means for regulating the speed of ships' propellers. 2,621,633, Dec. 16.
Keuffel, Carl W., Bernardsville, assignor to Keuffel & Esser Company, Hoboken, N. J. Level transit. 2,607,994, Aug. 26.
Keuffel & Esser Company, assignee: *See*—
Anderson, Robert W.
Baker, Allister L.
Keuffel, Carl W.
Mangold, George, and Zener.
Keuffel, Jack W., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Velocity modulation tube. 2,617,962, Nov. 11.
Keukens, Hurbertus P., and L. H. Verbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flash lamp. 2,599,644, June 10.
Keulemans, Aloysius I. M., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of oxygenated compounds. 2,587,858, Mar. 4.
Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry listing machine. 2,583,486, Jan. 22.
Keutzer, Palma C., Chicago, Ill. Collapsible clothes-hanger. 2,618,392, Nov. 18.
Kewanee Boiler Corporation, assignee: *See*—
Dickson, Robert B., and Somers.
Key, Claude L., Milton, Oreg. Grading apparatus. 2,597,108, May 20.
Key, Claude L., Milton, Oreg. Vine feeding attachment for vine threshers. 2,611,370, Sept. 23.
Key, James A., assignee: *See*—
Stewart, Datis J.
Key, James F., Sierra Madre, assignor of one-half to L. S. Lyon, Los Angeles, Calif. Train control. 2,623,990, Dec. 30.
Key, S. Buford, assignee: *See*—
Dendy, Tally M.

Keys, Chester F., Seattle, Wash. Wheeled shopping bag. 2,595,269, May 6.
Keys, Joseph F., Wichita, Kans. Apparatus for manufacturing blocks. 2,601,712, July 1.
Keys, Joseph F., Wichita, Kans. Internal-combustion engine with rotary constant volume combustion chamber. 2,612,022, Sept. 30.
Keys, William J., Waterloo, N. Y. Sanitary toothbrush holder. 2,611,477, Sept. 23.
Keyes Fibre Company, assignee: *See*—
Schwertfeger, Walter J.
Keyes, George G., and G. Sim, assignors to Teletype Corporation, Chicago, Ill. Telegraphically controlled timing mechanism. 2,587,483, Feb. 26.
Keyes, Grafton H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic element containing unsymmetrical oxonol filter and antihalation dyes. 2,611,696, Sept. 23.
Keyes, John J., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenolic-oil modified alkyd-copal resinous compositions. 2,586,344, Feb. 19.
Keyes, Kenneth S., Jr., South Miami, Fla. Turnover bed. 2,613,371, Oct. 14.
Keyishian, Aram, Huntington Station, N. Y. Cementitious structural composition. 2,622,989, Dec. 23.
Keyser, Louis S., and R. E. Brown, assignors to Rayonier Incorporated, Shelton, Wash. Pulp purification. 2,621,124, Dec. 9.
Keyser, Paul V., Jr., Moorestown, J. W. Schick, Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Water-repellent textile fabrics resistant to fungi and bacteria. 2,582,870, Jan. 15.
Keystone View Company, assignee: *See*—
Alexander, Harry S.
Alexander, Henry S., Sr.
Khalil, Seyed, New York, N. Y. Tire. 2,618,308, Nov. 18.
Kharasch, Morris S., Chicago, Ill., and S. Weinhouse, Chester, Pa., assignor to the United States of America as represented by the Secretary of War. Preparing ethyl dichlorophosphine. 2,615,043, Oct. 21.
Khym, Frank P.: *See*—
Morris, Charles E., and Khym.
Kibele, Robert E.: *See*—
Zimmerman, Charles F., and Kibele.
Kibler, Florence, Chicago, Ill., now by change of name F. K. Renaker. Traveling case for toilet articles. 2,623,566, Dec. 30.
Kicher, Carl L., Punxsutawney, Pa. Safety tag holder. 2,599,111, June 3.
Kidd, Keith H.: *See*—
Leslie, John R. A., and Kidd.
Kidd, Wesley E., and R. L. Metzenberg, assignors to Sears, Roebuck and Co., Chicago, Ill. Phonograph needle. 2,614,848, Oct. 21.
Kidde Manufacturing Co., Inc., assignee: *See*—
Noe, Harold C.
Kidder, Ephraim H., Cadillac, Mich. Rotary cutter with helically concentric cutting edges. 2,608,225, Aug. 26.
Kidder Press Company, Inc., assignee: *See*—
Peal, Edward J., and Zuckerman.
Kidney, Carleton B., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Pressure fluid seal controlling device. 2,614,797, Oct. 21.
Kidwell, Clarence E.: *See*—
Pyle, William D., and Kidwell.
Kidzus, Michael F., Matawan, and M. M. Kaye, assignors to Mikay Optical Company, Newark, N. J. Novel type of sunglasses. 2,613,354, Oct. 14.
Kiebert, Martin V., Jr.: *See*—
Reynolds, Foster N., Jr., Zechtzer, and Kiebert.
Kiebert, Martin V., Jr., United States Navy, Arlington, Va. Sweep compression for use of frequency modulation range equipment. 2,598,702, June 3.
Kiebert, Martin V., Jr., Birmingham, Mich., and A. S. Backus, Passaic, assignors to Mycalex Corporation of America, Clifton, N. J. Variable high-frequency coil and/or tuning assembly. 2,622,203, Dec. 16.
Kieckhefer Container Company, assignee: *See*—
Kieckhefer, Herbert M.
Kemp, Clayton.
Kieckhefer, Herbert M., Riverton, assignor to Kieckhefer Container Company, Camden, N. J. Container. 2,622,785, Dec. 23.
Kiefer, Augustine J., Pittsburgh, Pa. Panel fastening for doors and window sashes. 2,612,244, Sept. 30.
Kiefer, Joseph E., Alamo, Tex. Boat motor flushing tank and hanger. 2,620,812, Dec. 9.
Kiefer, Karl, Machine Company, The, assignee: *See*—
Fechheimer, Paul R.
Kiefer, William R., assignee: *See*—
Duerr, Carl F., Jr.
Osterhus, Ervin J.
Tompkins, John E.
Kiehl, Arthur H., Cuyahoga Falls, assignor, by mesne assignments, to The Bridgewater Machine Tool Co., Akron, Ohio. Mold engraving machine. 2,614,464, Oct. 21.
Kiehl, Harry R., assignor to Corning Glass Works, Corning, N. Y. Cover glass assembly. 2,597,935, May 27.
Kiekhaefer Corporation, assignee: *See*—
Hofmann, Gloris R.
Kiekhaefer, Elmer C., Cedarburg, Wis. Magneto and ignition for internal-combustion engines. 2,603,201, July 15.
Kiekhaefer, Elmer C., Cedarburg, Wis. Magneto housing. 2,603,202, July 15.
Kiekhaefer, Elmer C., Cedarburg, Wis. Pressurized chain saw oiling system. 2,605,787, Aug. 5.
Kiekhaefer, Elmer C., Cedarburg, Wis. Slip clutch for propellers. 2,605,850, Aug. 5.
Kiekhaefer, Elmer C., Cedarburg, Wis. Piston ring lock. 2,606,085, Aug. 5.
Kiekhaefer, Elmer C., Cedarburg, Wis. Underwater exhaust and drive shaft housing for outboard motors. 2,609,782, Sept. 9.
Kiekhaefer, Elmer C., Cedarburg, Wis. Gear case and propeller shaft bearing for outboard motors. 2,609,783, Sept. 9.
Kiekhaefer, Elmer C., Cedarburg, Wis. Internal-combustion engine and cooling system therefor. 2,609,801, Sept. 9.
Kiekhaefer, Elmer C., Cedarburg, Wis. Engine driven chain saw. 2,610,657, Sept. 16.
Kiekhaefer, Elmer C., Cedarburg, Wis. Crankcase induction valve for two-cycle engines. 2,612,882, Oct. 7.
Kiekhaefer, Elmer C., Cedarburg, Wis. Mounting and control means magneto for engines. 2,612,883, Oct. 7.
Kiekhaefer, Elmer C., Cedarburg, Wis. Water cooling system for outboard motors. 2,616,386, Nov. 4.
Kiekhaefer, Elmer C., Cedarburg, Wis. Reversible lower end unit for outboard motors. 2,616,387, Nov. 4.
Kiekhaefer, Elmer C., Cedarburg, Wis. Valve unit for internal-combustion engines. 2,616,403, Nov. 4.
Kiekhaefer, Elmer C., Cedarburg, Wis. Reverse gear for outboard motor underwater units. 2,623,490, Dec. 30.
Kielland, Jacob, and H. Harang, Heroya near Porsgrunn, assignors, by mesne assignments, to A/S Norduco, Oslo, Norway. Extracting potassium from dilute solutions. 2,617,710, Nov. 11.
Kiene, Dorothy S., assignee: *See*—
Kiene, William J.
Kiene, William J., assignor to D. S. Kiene, Park Ridge, Ill. Valve. 2,582,042, Jan. 8.
Kiene, William J., Park Ridge, Ill. Purging refrigeration systems. 2,598,799, June 3.
Kienle, Roy H., and A. L. Peiker, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Colored emulsions for coloring textile fabrics. 2,601,661, June 24.
Kienle, Roy H., Bound Brook, and G. P. Whitcomb, Watchung, N. J., assignors to American Cyanamid Company, New York, N. Y. Nonionic surface active agent. 2,606,199, Aug. 5.
Kienow, Sigismund, Bochum, Germany. Production of molded, solid, porous building and insulation bodies. 2,602,985, July 15.
Kients, Joseph C., Jr., Carnegie, assignor to Superior Steel Corporation, Pittsburgh, Pa. Treating cold rolled straight chrome type stainless steel. 2,605,775, Aug. 5.
Kiersted, Wynkoop, Jr., Scarsdale, and H. H. Gross, Pleasantville, assignors to Texaco Development Corporation, New York, N. Y. Solvent separation of wax from hydrocarbon mixtures. 2,595,468, May 6.
Kiersted, Wynkoop, Jr., Scarsdale, and H. H. Gross, Pleasantville, assignors to Texaco Development Corporation, New York, N. Y. Separation of oil and wax by continuous filtration. 2,612,465, Sept. 30.
Kiersted, Wynkoop, Jr., Scarsdale, and H. H. Gross, Pleasantville, assignors to Texaco Development Corporation, New York, N. Y. Continuous vacuum filtration. 2,612,466, Sept. 30.
Kieselhorst, Henry A., Richmond Heights, assignor to J. K. Kieselhorst, St. Louis, Mo. Toy dog bank. 2,594,448, Apr. 29.
Kieselhorst, June K., assignee: *See*—
Kieselhorst, Henry A.
Kiessling, Edward A., River Edge, N. J., F. G. Lake, New York, N. Y., and F. Stephenson, Lyndhurst, assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Warp beam mount. 2,617,447, Nov. 11.
Kihlberg, Sven G., assignee: *See*—
Landergren, Sture G. G.
Kihn, Harry, Lawrenceville, N. J., assignor to Radio Corporation of America. Mechanical modulator. 2,589,091, Mar. 11.
Kihn, Harry, Lawrenceville, N. J., assignor to Radio Corporation of America. High-frequency delay device. 2,619,537, Nov. 25.
Kihn, Harry, Lawrenceville, and C. Wentworth, Princeton, N. J., assignors to Radio Corporation of America. Variable capacitor. 2,589,092, Mar. 11.
Kilbourn Engineering Company, assignee: *See*—
Straty, Stephen.
Kilbride, John T., assignee: *See*—
Buckey, Jefferson P.
Kilbury, Paul D., Hawthorne, Calif. Heater unit. 2,606,994, Aug. 12.
Kilby, Harry R.: *See*—
Feldstein, Henry H., and Kilby.
Kilchenmann, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Oscillation control means for automatic valves. 2,620,125, Dec. 2.
Kiler, Floyd R., Monrovia, Calif. Magnetic oscillatory device. 2,583,741, Jan. 29.

Kiley, Carrol R., Lisle, assignor to Valco Manufacturing Co., Chicago, Ill. Stringed musical instrument. 2,600,545, June 17.
Kiley, Lewis Y.: *See*—
Ladd, Elbert C., and Kiley.
Kilese Company, Inc., assignee: *See*—
Loy, Cyril W., and Mullis.
Kilgen, Eugene R., University City, Mo. Master or central station controller. 2,595,083, Apr. 29.
Kilgore, Collins, assignee: *See*—
James, Frazier N.
Kilgore, George R.: *See*—
Shulman, Carl I., and Kilgore.
Kilgore, George R., Princeton, N. J., assignor to Radio Corporation of America. Magnetron. 2,617,966, Nov. 11.
Kilgore Inc., assignee: *See*—
Clauser, Herbert C., and Long.
Kilgore, Louis D., Detroit, and C. R. Stout, Berkley, Mich., said Stout assignor to said Kilgore. Order recording device. 2,598,394, May 27.
Kilgour, Thomas R., assignor to Chrysler Corporation, Highland Park, Mich. Knob and shaft assembly. 2,617,216, Nov. 11.
Kilham, Charles O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for making casts. 2,581,489, Jan. 8.
Killan, Jerome J., Minneapolis, Minn. Knife blade sharpener. 2,597,150, May 20.
Killian, Rudolph R., Baldwinsville, assignor to Rollway Bearing Company, Inc., Syracuse, N. Y. Roller bearing and manufacture thereof. 2,591,160, Apr. 1.
Killian, Rudolph R., Baldwinsville, assignor to Rollway Bearing Company, Inc., Syracuse, N. Y. Retainer for roller bearings. 2,591,161, Apr. 1.
Kill Brothers Company, assignee: *See*—
Kill, Luke L.
Kill, Luke L., assignor to Kill Brothers Company, Delphos, Ohio. Grain harvesting machine. 2,616,579, Nov. 4.
Kille, Lindley A., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording device. 2,599,392, June 3.
Killeen, Erma R., Bridgeport, Conn. Easily opened child's dress. 2,617,991, Nov. 18.
Killefer, John Deere, Company, assignee: *See*—
Rasmussen, Clarence T., Frank, and Hagen.
McKay, William R., and Mitchell.
Killian, Edward S., assignor to F. B. Killian & Company, Akron, Ohio. Method and apparatus for testing prophylactic articles. 2,622,129, Dec. 16.
Killian, Frank B., & Company, assignee: *See*—
Killian, Edward S.
Killian, Jennings B., Portland, Oreg. Saw guide for portable power-driven hand-operated circular saws. 2,589,554, Mar. 18.
Killian, Orvel G.: *See*—
Herman, Richard H., and Killian.
Killifer, Jack L., Burbank, Calif. Hydraulic hospital bed lift. 2,604,639, July 29.
Killinger, Arden H., and J. R. Dick, assignors to Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Vaccine and manufacturing the same. 2,594,180, Apr. 22.
Killingsworth, Albert E.: *See*—
Henry, Arthur L., and Killingsworth.
Killingsworth, Joseph L., Des Moines, Iowa. Shingle. 2,607,304, Aug. 19.
Killingsworth, Loyd B.: *See*—
Young, Lincoln M., and Killingsworth.
Killius, William, Altadena, Calif. Clamp having a swiveled traction connection. 2,608,730, Sept. 2.
Kilmister, Wallace: *See*—
Boseley, William, and Kilmister.
Kilness, Jarvis, Bridal Veil, Oreg. Railroad car moving jack. 2,621,892, Dec. 16.
Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of carbon black from suspension in a gas. 2,585,659, Feb. 12.
Kilpatrick, William J., Detroit, Mich. Outlet control and agitator for bins. 2,611,513, Sept. 23.
Kilpela, Ano E., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Helicopter transmission. 2,603,106, July 15.
Kilsby, Edward R., Newark, N. J., assignor to Foster-Wheeler Corporation, New York, N. Y. Furnace for heating fluids. 2,609,814, Sept. 9.
Kilsby, Edward R., Newark, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Liquid level indicator. 2,615,338, Oct. 28.
Kilthau, Martha: *See*—
Lindenfelser, Richard, and Kilthau.
Kimball, A., Company, assignee: *See*—
Pope, Paul M.
Kimball, Albert W., Snyder, N. Y., and E. F. Allbert, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reel motor control system. 2,583,148, Jan. 22.
Kimball, Charles N., Johnson County, Kans., W. R. Lewis, Clay County, Mo., and H. A. Strecker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo. Apparatus for testing materials. 2,593,766, Apr. 22.
Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Ventilated lampholder. 2,605,389, July 29.
Kimball Elevator Co., Ltd., assignee: *See*—
Rogers, Gael S.
Kimball, Frank T., South Norwalk, Conn., assignor to Ri-trate Corporation. Antihypertension composition. 2,623,000, Dec. 23.
Kimball, Mary H.: *See*—
Harrel, Chastain G., Brown, and Kimball.
Kimball, Timothy L.: *See*—
Kloser, Martin M., Kimball, and Schrenk.
Kimball, Vernon R., Maywood, N. J., and R. T. Maiorany, Bronx, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Inductance type pick-off. 2,600,546, June 17.
Kimberlin, Charles N., Jr.: *See*—
Adams, Clark E., and Kimberlin.
Pierce, Jerry A., and Kimberlin.
Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Producing magnesia. 2,593,314, Apr. 15.
Kimberlin, Charles N., Jr., and J. P. Bilisoly, Baton Rouge, La., assignors to Standard Oil Development Company. Treatment of hydrocarbon conversion catalysts. 2,618,613, Nov. 18.
Kimble, Harold, Midland Park, assignor to La Favorite Rubber Manufacturing Company, Hawthorne, N. J. Method of and apparatus for making lined pipe. 2,608,501, Aug. 26.
Kimbro, Rushton O.: *See*—
Spurgeon, Samuel J., and Kimbro.
Kimbrough, Horace J.: *See*—
Haw, John O., and Kimbrough.
Kimes, Harold E., assignor to Harold E. Kimes Corporation, Chicago, Ill. Metallic insert for pneumatic tires. 2,600,506, June 17.
Kimes, Harold E., Corporation, assignee: *See*—
Kimes, Harold E.
Kimmel, Harry J., assignor to one-third to H. A. De Long, Seattle, Wash. Vacuum sealed casket. 2,617,171, Nov. 11.
Kimmel, Raymond T., and J. A. Woodson, Hutchinson, Kans. Target with electrical indicating system. 2,592,429, Apr. 8.
Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Fluid actuated control valve. 2,601,531, June 24.
Kimmell, Garman O., and H. L. Chenault, Oklahoma City, Okla., assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Indirect heater for fluids. 2,582,134, Jan. 8.
Kimpton, William H., Wilmslow, England, assignor to Celanese Corporation of America. Counter and stop mechanism for textile machinery. 2,580,552, Jan. 1.
Kimpton, William H., Wilmslow, England, assignor to Celanese Corporation of America. Yarn-winding machinery. 2,609,156, Sept. 2.
Kimsey, John E., Spokane, Wash. Refrigerated display case. 2,592,038, Apr. 8.
Kimura, Nobuyoshi, San Francisco, Calif. Combination fishing rod support. 2,618,090, Nov. 18.
Kimura, Tsuchinojo, Los Angeles, Calif. Mortar spreader. 2,580,929, Jan. 1.
Kinard, Curtis, assignee: *See*—
Roark, Leon S.
Kinberg, Benjamin, New York, N. Y. Doll. 2,596,491, May 13.
Kincaid, Charles W.: *See*—
Wallace, Lawrence W., and Kincaid.
Kincaid, Homer F., Carbon Cliff, Ill., J. D. Graham, Louisville, Ky., and J. A. Redmond, Baltimore, Md., assignors to Westinghouse Electric Corporation, and International Harvester Company. Heat-treatment of irregular metallic objects. 2,590,546, Mar. 25.
Kincaid, John F.: *See*—
Canale, Alfred and Kincaid.
Kincaid, Walter C., Pueblo County, Colo. Venetian blind. 2,596,413, May 13.
Kindel, Elmore A., Wyoming, Ohio. Earpiece. 2,593,892, Apr. 22.
Kindelberger, James H., Pacific Palisades, Calif., assignor to North American Aviation, Inc. Jaw holder. 2,609,860, Sept. 9.
Kinderman, Walter J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Flowmeter. 2,617,300, Nov. 11.
Kinderman, Walter J., Philadelphia, and J. W. Williams, 3rd, Ambler, assignors to Yarnall-Waring Company, Philadelphia, Pa. Liquid level alarm. 2,617,441, Nov. 11.
Kindlund, Cleatus S.: *See*—
Kindlund, Victor M. and C. S.
Kindlund, Victor M. and C. S., Englewood, N. J. Device for embracingly holding gloves. Re. 23,472, Mar. 18.
Kindorf Co., The, assignee: *See*—
Kindorf, Harry L. and O. C.
Kindorf, Harry L. and O. C., assignors to The Kindorf Co., San Francisco, Calif. Adjustable beam clamp. 2,609,582, Sept. 9.
Kindorf, Harry L. and O. C., assignors to The Kindorf Co., San Francisco, Calif. Pipe hanger. 2,616,645, Nov. 4.
Kindorf, Orlan C.: *See*—
Kindorf, Harry L. and O. C.
Kindscher, Paul J., Woodbridge, N. J. Interchangeable fish lure. 2,587,736, Mar. 4.

Kindseth, Harold V., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Bag supporting means for bag closing and sealing machines. 2,599,393, June 3.

Kinex Company, The, assignee: *See*—
Johnson, Fred J., F. J., Jr., and R. L.

King, Albert, assignor to British Insulated Callender's Cables Limited, London, England. Electric cable having a nonmigratory insulating compound. 2,586,345, Feb. 19.

King, Alexander, Carman, Manitoba, Canada. Grain and weed reclaiming accessory. 2,609,929, Sept. 9.

King, Alexander H., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Reduction gearing. 2,603,107, July 15.

King, Alexander H., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Snap actuator for clutches. 2,603,327, July 15.

King, Alfred B., Company, The, assignee: *See*—
Miller, Ransom G., III.

King, Anna R., assignee: *See*—
MacGillivary, John V.

King, Bernard H., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Primary cell. 2,593,893, Apr. 22.

King, Burnham W., Jr., Shaker Heights, and A. O. Tesar, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Ceramic pigment. 2,623,833, Dec. 30.

King, Charles A., Mission, Tex. Wind motor. 2,603,300, July 15.

King, Charles G.: *See*—
Hovey, Preston W., and King.

King, Clifford G., Providence, R. I. Dental instrument holder. 2,592,292, Apr. 8.

King, David M., Kansas City, Kans., assignor to Illinois Watch Case Co. Making a thickened reinforced portion in a relatively thin metal plate. 2,601,029, June 17.

King, Donald, and E. W. Norton, Chillicothe, Ohio. Stove lighter. 2,595,390, May 6.

King, Douglas H., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ventilating fixture for telephone booths. 2,607,281, Aug. 19.

King, Douglas H., Short Hills, N. J. Lawn sprinkler. 2,620,231, Dec. 2.

King, Douglas H., Short Hills, N. J. Lawn sprinkler. 2,620,232, Dec. 2.

King, Earle M., assignor to Gabilan Iron and Machine Co., Salinas, Calif. Liquid dispensing roller. 2,581,674, Jan. 8.

King, Etta E., and D. P. Tata, Leominster, Mass.; said Tata assignor to said King. Hair curling device. 2,611,378, Sept. 23.

King, Frank E., assignee: *See*—
Johnson, Charles J.

King, Frank E., Woodland, Calif. Pruning saw. 2,619,721, Dec. 2.

King, Frederick H., Detroit, Mich. Plunger guide for marble shooters. 2,600,883, June 17.

King, Geo. W., Limited, assignee: *See*—
Burrows, Arthur T. C.

King, George J., Hewlett, N. Y., assignor to Atlas Powder Company, Wilmington, Del. Sugar crystallization. 2,591,704, Apr. 8.

King, H. A., assignee: *See*—
Peirce, Thomas H.

King, Harold B., Dayton, Ohio. Load stroke indicator. 2,587,628, Mar. 4.

King, Harold S., Elkhart, Ind., assignor to Penn Controls, Inc. Defroster control. 2,614,395, Oct. 21.

King, Harry W., Sycamore, Ill. Holder and dispenser for coiled goods. 2,586,346, Feb. 19.

King, Homer, Orrville, Ohio. Poultry nest. 2,592,430, Apr. 8.

King, Homer, Orrville, Ohio. Poultry nest. 2,623,499, Dec. 30.

King, Howard L., Vancouver, Wash., assignor to the United States of America as represented by the Secretary of the Interior. Direct-coupled amplifier. 2,590,104, Mar. 25.

King, Hugh W., Corinth, Miss. Shaper-saw power feed device. 2,615,483, Oct. 28.

King, Irene R., Springfield, Mass. Baby undergarment. 2,604,626, July 29.

King, Jack L., assignor to The Glenn L. Martin Company, Middle River, Md. Position transmitter. 2,620,391, Dec. 2.

King, James F., Jr., assignor to The Bahnson Company, Winston-Salem, N. C. Apparatus for cleaning filter screens. 2,599,842, June 10.

King, James F., Jr., assignor to The Bahnson Company, Winston-Salem, N. C. Apparatus for cleaning filter screens. 2,609,064, Sept. 2.

King, John A., assignee: *See*—
Buchan, James.

King, John A., Manhasset, assignor to Sterling Drug Inc., New York, N. Y. Preparation of alkyl acylamidoacetoacetates. 2,612,518, Sept. 30.

King, Katherine, Leonia, N. J. Skirt waistband. 2,618,783, Nov. 25.

King, Keith T., Colchester, Ill. Collapsible motor scooter. 2,594,034, Apr. 22.

King, Kenneth G., assignor to Westinghouse Brake and Signal Company Limited, London, England. Electric relay. 2,613,254, Oct. 7.

King, Kenneth J., assignor to Hercules Steel Products Corporation, Galion, Ohio. Removable handle for cryptorium. 2,623,235, Dec. 30.

King, Kenneth M., San Diego, Calif., and A. B. Haines, Seattle, Wash., assignors to Boeing Airplane Company. Load limiting fastening means. 2,607,258, Aug. 19.

King, Laurence F.: *See*—
Sproule, Lorne W., and King.
Sproule, Lorne W., King, and Pattenden.
Sproule, Lorne W., Pattenden and King.

King, Laurence F., Sarnia, Ontario, and W. C. Pattenden, Courtright, Ontario, Canada, assignors to Standard Oil Development Company. High melting point calcium grease of low soap content. 2,618,599, Nov. 18.

King, Lawrence J., Yonkers, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Herbicide. 2,619,416, Nov. 25.

King, Lillian, assignee: *See*—
Lucas, Walter D., Erbert, and Kessler.

King, Louis A., Wollaston, assignor to Infra Roast, Inc., Boston, Mass. Balanced self-compensating photosensitive control. 2,621,300, Dec. 9.

King, Mark, Corporation, assignee: *See*—
Moonert, Harold F.

King, Martin V., Hammond, Ind. Automobile door handle and lock shield. 2,585,331, Feb. 12.

King, Paul B., Jr., Mountain Lake, N. J., assignor to Aircraft Radio Corporation. Wave guide attenuator. 2,613,270, Oct. 7.

King, Peter: *See*—
Clowe, Henry W., and King.

King, Robert A., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,613,838, Oct. 14.

King, Robert C., assignee: *See*—
Noel, William A.

King, Robert S., Bonners Ferry, Idaho. Adjustable automobile seat. 2,596,033, May 6.

King, Robert S., Oak Park, Ill. Venetian blind structure. 2,587,859, Mar. 4.

King, Ronald W. P., Winchester, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Antenna. 2,589,818, Mar. 18.

King Sales & Engineering Co., assignee: *See*—
McGihon, Leonard.

King-Seeley Corporation, assignee: *See*—
Bell, Rupert B.
Blair, John A.
Boddy, Leonard.
Gaskell, Walter L.
Sivacek, Emil E.
Torrey, Lee E.

King, Stuart F., Mount Clemens, Mich., assignor to Philco Corporation, Philadelphia, Pa. Insulated door. 2,604,886, July 29.

King, Thomas H.: *See*—
McDonald, Daniel T., Jr., and King.

King, William A., and A. J. Bailey, Atlanta, Ga. Horizontal forced air flow air-heating furnace. 2,589,555, Mar. 18.

King, William D.: *See*—
Winchester, Amos J., Jr., and King.

King, William D., Buffalo, and A. J. Winchester, Jr., Lockport, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reel control system. 2,594,035, Apr. 22.

King, William F.: *See*—
Beckwith, Sterling, and King.

King, William F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydrostatically lubricated spherical bearing. 2,621,086, Dec. 9.

King, William N.: *See*—
Russell, Harold C., and King.

King, William N., and N. A. Romanchuk, Anoka, and R. Lynn, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Apparatus for making disintegrating top shot wads. 2,580,794, Jan. 1.

King, William V., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Beverage spigot. 2,580,553, Jan. 1.

Kinghorn, Charles M., Port Chester, N. Y., assignor to Cresswell Roll Forming Company, Limited, Montreal, Quebec, Canada. Clapboard unit for wall coverings. Re. 23,568, Oct. 28.

Kingsbury, Chadwick B.: *See*—
Carter, Ralph H., and Kingsbury.

Kingsbury Machine Works, Inc., assignee: *See*—
Lakey, Arthur B.

Kingsbury, Thomas H.: *See*—
Sax, Leonard B., and Kingsbury.

Kingsbury, William A., Oakland, Calif. Coring tool. 2,583,577, Jan. 29.

Kingsbury, William A., Oakland, Calif., assignor to Special Equipment Company, Portland, Oreg. Method and apparatus for pitting peaches. 2,622,002, Dec. 16.

Kingsland, Frank C., Gates Mills, and S. A. Kingsland, Willoughby, Ohio. Transfer stamping machine. 2,617,224, Nov. 11.

Kingsland, Sidney A.: *See*—
Kingsland, Frank C., and S. A.

Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Apparatus for cutting wires in making wire-bound boxes. 2,584,593, Feb. 5.

Kingsley, David G., Mountain Lakes, and C. J. MacNamara, Dover, assignors to Stapling Machines Co., Rockaway, N. J. Cleat feeding mechanism. 2,599,460, June 3.

Kingsmore, Harry V., West Babylon, assignor of one-fourth to W. F. Mathias, Jr., Brightwaters, N. Y. Fastener. 2,616,328, Nov. 4.

Kingston, Clarence T., assignor of ten percent to Maggie W. Reed, Los Angeles, Calif. Trailer hitch. 2,604,331, July 22.

Kingston, Frederick S., North Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio. Antifriction bearing. 2,581,958, Jan. 8.

Kingston, Jonas A., Tilehurst, near Reading, assignor to Gascoignes (Reading) Ltd., Reading, England. Milking machine. 2,608,951, Sept. 2.

Kingston Products Corporation, assignee: *See*—
Drury, Thomas W., Weber, and Loro.
Norton, Wilbur H., and Geiger.
Weber, Nelson H., and Hept.

Kingston, Ronald E., Ipswich, and R. G. Marchisio, Wenham, assignors to Sylvania Electric Products, Inc., Salem, Mass. Fixture reflector aligner. 2,600,884, June 17.

Kinish, Arthur R., assignor to American Seal-Rite Corporation, Highland Park, Mich. Window or other slidable closure. 2,619,690, Dec. 2.

Kinker, Clarence C., Manitou Beach, Mich., and J. J. Murtagh, Toledo, assignors to Gerity-Michigan Corporation, Adrian, Mich. Burnishing machine. 2,608,803, Sept. 2.

Kinley, Clifford B., Falls Church, Va. Bottle cap with outlet means and having a resiliently supported closure member. 2,620,098, Dec. 2.

Kinman, Thomas H., R. G. Hibberd, and C. Hayward, Rugby, England, assignors to General Electric Company. Portable radio receiver. 2,591,438, Apr. 1.

Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Batch dielectric heating. 2,616,025, Oct. 28.

Kinn, Theodore P.: *See*—
Lyness, Arthur A., Jr., and Kinn.

Kinnaird, James A., Braiswick, near Colchester, assignor to Bromilow & Edwards Limited, Bolton, England. Two-way valve with excess flow prevention. 2,595,389, May 6.

Kinnaird, William R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Mixing and homogenizing apparatus. 2,592,709, Apr. 15.

Kinnan, Carl, Morgantown, W. Va. Tractor road scraping apparatus. 2,622,349, Dec. 23.

Kinnard, Frank M., assignee: *See*—
Cope, William E.

Kinne, Benjamin E., assignee: *See*—
Fisher, Foster.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Draft connection. 2,580,264, Mar. 18.

Kinnear Manufacturing Co., The, assignee: *See*—
Greegor, Ralph H.

Kinney, Clair R., Redwood City, Calif. Versatile vise jaw. 2,606,470, Aug. 12.

Kinney, David C., East Detroit, K. D. Peterson, and F. A. Ringe, assignors to Bendix Aviation Corporation, Detroit, Mich. Release apparatus. 2,607,413, Aug. 19.

Kinney, Edward C., Chicago, Ill. Binder. 2,614,567, Oct. 21.

Kinney, Everett F., Cambria, and H. E. Myers, Milwaukee, Wis. Mechanical wild fowl decoy. 2,591,554, Apr. 1.

Kinney, John W., Jr., Cincinnati, Ohio. Bake pan. 2,602,568, July 8.

Kinney, John W., Jr., Cincinnati, Ohio. Container handle. 2,617,676, Nov. 11.

Kinney, J. W., Jr., assignee: *See*—
Meierjohan, Ernest.

Kinney, J. Warren, Jr., assignee: *See*—
Gumpp, Frederick W.
Tomarin, Harry A.

Kinney, Judson S., assignee: *See*—
Kinney, Robert P.

Kinney, Robert P., Richmond, assignor of ten per cent to J. S. Kinney, Appomattox, Va. Magnetic toy. 2,623,326, Dec. 30.

Kinney, S. P., Engineers, Inc., assignee: *See*—
Kinney, Selwyne P., Garrigan, and Clarke.
Kinney, Selwyne P., and Hartwick.

Kinney, Selwyne P., Crafton, C. J. Garrigan, Greentree, and W. W. Clarke, Monaca, assignors to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Spray nozzle. 2,588,247, Mar. 4.

Kinney, Selwyne P., Crafton, and L. M. Hartwick, Beaver, assignors to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Closure and fastening means. 2,592,431, Apr. 8.

Kinnicutt, Roger, Jr., assignor to Morgan Construction Company, Worcester, Mass. Conveying apparatus. 2,619,216, Nov. 25.

Kinsel, Otto F., Bellevue, Ohio. Cable spacer. 2,595,857, May 6.

Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Yarn-winding machinery. 2,611,549, Sept. 23.

Kinsella, John: *See*—
Cowdrey, Cecil L., and Kinsella.

Kinsella, John, Luton, assignor to D. Napier & Son Limited, London, England. Air cleaning intake for gas turbines and other internal-combustion engines. 2,600,302, June 10.

Kinsman, Russell C., Collinsville, and T. Perry, Glastonbury, Conn., assignors to Gray Research and Development Company, Inc. Telegraph selector mechanism. 2,612,555, Sept. 30.

Kinstler, Robert C.: *See*—
Clapper, Thomas W., and Kinstler.

Kintner, Edwin K., Winnetka, Ill., assignor, by mesne assignments, to The Pfaudler Co., Rochester, N. Y. Heat exchanger. 2,582,871, Jan. 15.

Kintzinger, Warren H., Cedar Rapids, Iowa. Mechanical movement. 2,602,662, July 8.

Kinzelman, Gerald W., Chicago, Ill. Ammunition positioning device for guns. 2,622,483, Dec. 23.

Kinzelman, Gerald W.: *See*—
Bowser, Virgil C., and Kinzelman.

Kinzer, John P., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,593,155, Apr. 15.

Kinzer, John P., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency stabilized microwave oscillator. 2,593,463, Apr. 22.

Kinzinger, Siegfried M., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Nondiscoloring stabilized vinyl chloride resin compositions. 2,581,908, Jan. 8.

Kipnis, Samuel W., trustee, assignee: *See*—
Kegan, Albert I.
Kegan, Albert I., and Ajero.
Kegan, Albert I., and Neely.

Kipp, Charles M., assignee: *See*—
Haddon, Jesse E.

Kipp, Egbert M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Lubrication composition. 2,611,742, Sept. 23.

Kipp, Egbert M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Lubrication composition. 2,611,743, Sept. 23.

Kipp, Egbert M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Lubrication composition. 2,611,744, Sept. 23.

Kipp, Egbert M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Lubricating composition. 2,611,745, Sept. 23.

Kipp, Egbert M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Lubricating composition. 2,611,746, Sept. 23.

Kipper, Allen F., Glendale, assignor to Arden Farms Co., Los Angeles, Calif. Mixing machine. 2,589,615, Mar. 18.

Kipple, William F., near Seattle, Wash. Folding camp trailer. 2,582,635, Jan. 15.

Kipton Industries, Inc., assignee: *See*—
Fratz, George C., and Sandrock.

Kirby, Charles C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Nontrap stone tread. 2,604,920, July 29.

Kirby, Charles K., Philadelphia, E. G. Thurston, and E. A. Walker, State College, Pa. Detector for locating gallstones and other hard foreign matter embedded adjacent body tissue. 2,616,415, Nov. 4.

Kirby, Edgar: *See*—
Kish, Michael, Jr., McNeil, and Kirby.

Kirby, George W., Yonkers, assignor to Standard Brands Incorporated, New York, N. Y. Flavoring material for baked farinaceous goods and manufacturing baked farinaceous goods. 2,609,298, Sept. 2.

Kirby, Harold L., Glendale, assignor to H. V. Peez, Beverley Hills, Calif. Life raft. 2,584,884, Feb. 5.

Kirby, Herbert D., Hayden Lake, Idaho, and C. F. Krause, Bellevue, Wash.; said Krause assignor to said Kirby. Photographic film magazine. 2,592,158, Apr. 8.

Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Washing machine. 2,580,435, Jan. 1.

Kirby, James B., West Richfield, Ohio. Automatic nozzle adjusting device for vacuum cleaners. 2,583,054, Jan. 22.

Kirby, James B., West Richfield, Ohio. Sweeper type vacuum cleaner having automatic nozzle adjustment. 2,592,710, Apr. 15.

Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Washing machine provided with vibration dampener and mounting. 2,614,410, Oct. 21.

Kirby, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cyclohexanediamines predominantly in the cis form. 2,606,926, Aug. 12.

Kirby, John E., Harlingen, Tex. Arcuate toaster. 2,604,841, July 29.

Kirby, Peter L.: *See*—
Jobling-Purser, Ernest J.; Cox, Kirby, and Murdoch.

Kirby-Smith, John S.: *See*—
Van Voorhis, Stanley N., Kirby-Smith, and Kuper.

Kirby, Walter G., Naugatuck, and L. E. Steinle, Beacon Falls, Conn., assignors to United States Rubber Company, New York, N. Y. Reclaiming mixtures of vulcanized natural rubber and synthetic rubber scraps. 2,612,479, Sept. 30.

Kirby, Wilfred: *See*—
Nasmith, John I., and Kirby.
Kirchel, Alan A.: *See*—
Salmon, Reginald D., and Kirchel.
Kirchensteiner, Hans, H. Spiegelberg and H. Lindlar, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 2-amino-4-hydroxy-6-polyhydroxyalkyl pteridine and odixizing same. 2,603,643, July 15.
Kircher, Paul J., Plainville, N. J., assignor to Landers, Frary & Clark, New Britain, Conn. Fruit juicer. 2,591,162, Apr. 1.
Kircher, Ralph N., and L. E. Finch, assignors to West Bend Aluminum Co., West Bend, Wis. Apparatus for cooking. 2,605,382, July 29.
Kircher, Ralph N., West Bend, and W. B. Burkett, Hartford, assignors to West Bend Aluminum Co., West Bend, Wis. Main bearing for multicrank engines. 2,614,897, Oct. 21.
Kircher, Reymond J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor switching device. 2,594,449, Apr. 29.
Kircher, Reymond J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,603,693, July 15.
Kircher, Reymond J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,603,694, July 15.
Kircher, Reymond J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semi-conductor signal translating device. 2,623,103, Dec. 23.
Kirchhof, John: *See*—
Koerner, Ernst C., Ehrhardt, Haigh, and Kirchhof.
Kirchner, Carl O., assignor to Leggett & Platt, Inc., Carthage, Mo. Coiling machine. 2,614,606, Oct. 21.
Kirchner, George J., Lorain, Ohio, and H. Ottinger, McKeesport, Pa., assignors to United States Steel Company. Flexible connection. 2,598,181, May 27.
Kirchner, Karl F., Bloomfield, N. J. Resonant circuits. 2,609,491, Sept. 2.
Kirchner, Karl F., Bloomfield, N. J. Inductance device. 2,609,531, Sept. 2.
Kirk, Cassius L., assignee: *See*—
Magnuson, Roy M.
Kirk, Douglas, Hudson, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Apparatus for inserting closures in containers. 2,608,918, Sept. 2.
Kirk, Elmer L., assignor to The Dow Chemical Company, Midland, Mich. Welding plastic films. 2,596,933, May 13.
Kirk, George B.: *See*—
Riddell, Wallace C., and Kirk.
Kirk, John, assignee: *See*—
Spinney, Frank R.
Kirk, Lowell M., Gary, Ind., assignor to United States Steel Company. Repairing furnace walls. 2,611,330, Sept. 23.
Kirk, Roy C., A. B. Fry, and P. F. George, assignors to The Dow Chemical Company, Midland, Mich. Primary cell. 2,621,220, Dec. 9.
Kirk, William M., Amarillo, Tex. Animal rubbing and oiling station or apparatus. 2,581,028, Jan. 1.
Kirkbride, John E., and J. D. Mayer, assignors to Boeing Airplane Company, Seattle, Wash. Oil tank pressurizing control. 2610,705, Sept. 16.
Kirkby, Henry W., and C. Sykes, assignors, by mesne assignments, to Firth-Vickers Stainless Steels Limited, Sheffield, England. Alloy steels. 2,590,835, Apr. 1.
Kirkby, Norman O.: *See*—
Gillick, Laurance H., Lehane, and Kirkby.
Kirkham, Hall, Cleveland, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Flow control valve. 2,603,235, July 15.
Kirkham, Hall, Cleveland, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Control valve with flow control. 2,604,327, July 22.
Kirkham, Hall, Cleveland Heights, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Control valve. 2,608,824, Sept. 2.
Kirkman, Robert A., Elberon, N. J. Radio receiving system. 2,584,132, Feb. 5.
Kirkman, William, and G. J. Barnett, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Template cutting machine. 2,612,689, Oct. 7.
Kirkpatrick, Alton, Boston, Mass., and H. H. McMeen, Harvey, Ill., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Deaerating system for water or steam condensate. 2,605,856, Aug. 5.
Kirkpatrick, Donald N., Livingston, N. J., assignor to Federal Products Corporation, Providence, R. I. Differential measuring gauge. 2,584,714, Feb. 5.
Kirkpatrick, Floyd M., Erie, Pa., assignor to General Electric Company. Rotary pump. 2,611,534, Sept. 23.
Kirkpatrick, Henry O., assignor to Coldmobile Company, Detroit, Mich. Refrigeration apparatus for motor vehicles. 2,608,066, Aug. 26.
Kirkpatrick, Herwald G., Mittagong, New South Wales, Australia. Gear box. 2,603,110, July 15.
Kirkpatrick, John A., assignor to Universal Manufacturing Corp., Zellenople, Pa. Brace bracket for scaffolds and the like. 2,612,414, Sept. 30.
Kirkpatrick, John A., assignor to Universal Manufacturing Corporation, Zellenople, Pa. Scaffold bracing. 2,620,237, Dec. 2.
Kirkpatrick, Joseph R.: *See*—
Resek, Marc, Kirkpatrick, and Raymond.
Kirkpatrick, Joseph R., Euclid, assignor to Perfection Stove Company, Cleveland, Ohio. Spring suspension. 2,588,012, Mar. 4.
Kirkpatrick, Willard H., Sugar Land, Tex., and J. W. Ryznar, La Grange Park, Ill., assignors to Visco Products Company, Houston, Tex. Breaking water-in-oil. 2,615,853, Oct. 28.
Kirkpatrick, William E., Chatham, and R. W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,589,704, Mar. 18.
Kirkpatrick, William J., Pittsburgh, Pa., assignor to The International Nickel Company, Inc., New York, N. Y. Preparation of pure nickel hydroxide. 2,602,070, July 1.
Kirkpatrick, William O., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Hasp. 2,593,570, Apr. 22.
Kirkpatrick, Willis B., Scarsdale, N. Y. Method and apparatus for making ice. 2,606,427, Aug. 12.
Kirkwood Commutator Company, assignee: *See*—
Klym, Julius.
Kirkwood, Ersel F., Salem, Oreg. Ring sizing tool. 2,608,748, Sept. 2.
Kirlin Company, The, assignee: *See*—
Kirlin, Ivan M.
Kirlin, Ivan M., assignor to The Kirlin Company, Detroit, Mich. Apertured ears on recessed lamp for receiving supporting rods. 2,611,502, Sept. 23.
Kirlin, Ivan M., Detroit, Mich., assignor to The Kirlin Company. Pane fastener. 2,614,667, Oct. 21.
Kirman, Alexander O., assignor to Thermoplex International, Inc., New York, N. Y. Thermopitcher. 2,599,332, June 3.
Kirsch Company, assignee: *See*—
Bell, Ralph E.
Kirsch, Howard A.: *See*—
Skelton, William E., German, Kirsch, and Overbaugh.
Kirschbaum, Emil, Grotzingen, near Karlsruhe/Baden, assignor to Industriewerke Karlsruhe Aktiengesellschaft, Baden, Germany. Spraying nozzle. 2,612,405, Sept. 30.
Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Recovery of sterols. 2,598,269, May 27.
Kirshenbaum, Isidor, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparing boron trifluoride. 2,622,014, Dec. 16.
Kirschner, Henry E., St. Joseph, Mo. Adjustable hinge. 2,583,950, Jan. 29.
Kirshbaum, Harry T., Hempstead, assignor to Cardwood Products Corp., Bronx, N. Y. Combination hassock table. 2,582,703, Jan. 15.
Kirshenbaum, Abraham D.: *See*—
Rudel, Harry W., and Kirshenbaum.
Kirshenbaum, Abraham D., Union, and J. M. Boyle, Bayonne, N. J., assignors to Standard Oil Development Company. Sulfurized additives for lubricating compositions. 2,613,183, Oct. 7.
Kirsten, Hugo R., Brooklyn, N. Y. Lock buckle. 2,618,826, Nov. 25.
Kirsten, Kurt F. J., assignee: *See*—
Schneider, George F.
Kirwan, John O.: *See*—
Wallace, Charles F., and Kirwan.
Kirwan, John O., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Portable altimeter. 2,609,691, Sept. 9.
Kirwin, Henry, Dedham, Mass. Spring wheel construction. 2,615,316, Oct. 28.
Kiser, James L., assignor to Melpar, Inc., Alexandria, Va. Potted electrical subassembly. 2,590,821, Mar. 25.
Kiser, John E., Sidney, Ohio. Bubble bath mixer. 2,596,901, May 13.
Kiser, Warren C.: *See*—
Lennon, Chesley E., Jr., and Kiser.
Kish, George D.: *See*—
Risley, Roger E., and Kish.
Kish, John S., Youngstown, assignor to E. E. Evans, Poland, Ohio. Automobile bug deflector. 2,601,401, June 24.
Kish, Michael, Jr., Hightstown, J. R. McNeil, Lawrenceville, N. J., and E. Kirby, Washington, D. C., assignors to Atlantic Products Corporation, Trenton, N. J. Wardrobe type foldable luggage bag. 2,596,412, May 13.
Kish Plastic Products, Inc., assignee: *See*—
Kish, Steven P.
Kish, Steven P., assignor to Kish Plastic Products, Inc., Lansing, Mich. Making templates. 2,621,366, Dec. 16.
Kish, Steven P., assignor to Kish Plastic Products, Inc., Lansing, Mich. Making templates. 2,621,367, Dec. 16.
Kishbaugh, Warren E.: *See*—
McClelland, Richard P., and Kishbaugh.
Kishline, Floyd F., R. H. Phelps, and J. S. Voigt, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Independent front wheel suspension coupled as a unit to the vehicle frame. 2,611,625, Sept. 23.

Kisky, Christian, Lake Grove, Oreg. Toothbrush having a trapezoidal transverse head. 2,603,806, July 22.
Kisling, Jacob W., St. Louis County, Mo. Transposable window fan assembly. 2,619,023, Nov. 25.
Kiss, Steve, Miami, Fla. Universal joint. 2,595,529, May 6.
Kissich, Peter I., Cedar Rapids, Iowa. Bobber. 2,615,276, Oct. 28.
Kissig, Vera D., West Los Angeles, Calif. Closure for opened ends of wrapped bread loaves. 2,622,760, Dec. 23.
Kissinger, Lewis E., Washington, D. C. Leakage tester. 2,618,152, Nov. 18.
Kissinger, Robert W., State College, and R. D. Faulkner, Lancaster, Pa., assignors to Radio Corporation of America. Sealing a glass facing to a surface of a metal body. 2,584,354, Feb. 5.
Kistiakowsky, George B., and D. P. MacDougall, Pittsburgh, Pa., E. B. Eyster, Madison, Wis., and C. A. Weltman, Niagara Falls, N. Y., assignors to the United States of America as represented by the Secretary of War. Plastic, nonhardening explosive composition and forming same. 2,606,109, Aug. 5.
Kistler, Irwin D., Philadelphia, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Lawn mower stationary blade. 2,621,464, Dec. 16.
Kistler, Samuel S., West Boylston, Mass. Treatment of aerogels to render them waterproof. 2,589,705, Mar. 18.
Kistner, Harold J.: *See*—
Furman, Frank J., Read, and Kistner.
Kistner, Herman H., Glen Ridge, N. J. Paintbrush wiper. 2,606,689, Aug. 12.
Kitchell, Eden T., assignor to J. E. Bush, Dallas, Tex. Work feeding and positioning mechanism. 2,580,795, Jan. 1.
Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Formation of terpene aryl ethers. 2,581,916, Jan. 8.
Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Isobornyl aryl ethers. 2,581,917, Jan. 8.
Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubber materials with cresylic acid derivatives. 2,605,252, July 29.
Kitchen, Leland J., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Butadiene rubbery copolymer stabilized with 2,4-dimethyl-6-octylphenol. 2,605,251, July 29.
Kitchen-Quip, Inc., assignee: *See*—
Schaeffer, Lewis C.
Kite, Clarence L., Radnor, Ind. Underinflation dual tire alarm. 2,609,784, Sept. 9.
Kitselman Brothers, assignee: *See*—
Kitselman, Harry L.
Kitselman, Harry L., assignor to Kitselman Brothers, Muncie, Ind. Helix former. 2,591,943, Apr. 8.
Kitson, Charles H.: *See*—
Cordis, Nat.
Kitson, Gerald L. and C. H.
Kitson, Gerald L., assignee: *See*—
Cordis, Nat.
Kitson, Gerald L. and C. H., Rockford, Mich., assignors, by mesne assignments, of one-half to themselves and L. Kitson, jointly, with full rights of survivorship, and one-half to N. Cordis, Chicago, Ill. Chain distributor type poultry feeding device. 2,589,706, Mar. 18.
Kitson, Leon, assignee: *See*—
Cordis, Nat.
Kitson, Gerald L. and C. H.
Kitson, Ralph A., Hull, Mass. Toy house marble game. 2,613,937, Oct. 14.
Kitterman, Donald M., Kansas City, Kans. Finishing machine for elongated tapered articles. 2,589,616, Mar. 18.
Kittle, Irene T.: *See*—
Kittle, Levi O. and I. T.
Kittle, Levi O. and I. T., Los Angeles, Calif. Hair dyeing apparatus. 2,608,976, Sept. 2.
Kittle Manufacturing Company, assignee: *See*—
Frey, Elmer E.
Kittler, Milton J.: *See*—
Egerer, William E., Medley, and Kittler.
Kittleson, Allen R., Cranford, and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Insecticidal compositions comprising a polychloro chloromethyl 2,5 endomethylene cyclohexene 3. 2,587,484, Feb. 26.
Kittleson, Allen R., Cranford, N. J., assignor to Standard Oil Development Company. Purification of tetrahydrophthalimides with alkaline earth metal hydroxides. 2,613,213, Oct. 7.
Kitto, William H.: *See*—
McNaster, Archie J., and Kitto.
Kitto, William H., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,580,554, Jan. 1.
Kitto, William H., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,597,805, May 20.
Kitto, William H., Evanston, assignor to G-M Laboratories, Inc., Chicago, Ill. Electrical contact assembly. 2,614,195, Oct. 14.
Kitto, William H., and K. Burian, assignors to G-M Laboratories, Inc., Chicago, Ill. Spring thrust washer. 2,606,083, Aug. 5.
Kivari, John L., Detroit, Mich. Incandescent lamp. 2,587,169, Feb. 26.
Kivett, Jerome S., Kansas City, Mo. Padding attachment for garment hangers. 2,591,163, Apr. 1.
Kivley, Ray C., Renmore, and C. A. Windsor, Buffalo, assignors to Western Electric Company, Incorporated, New York, N. Y. Material feed signal system. 2,586,960, Feb. 26.
Kiwad, Isadore, Westwood, N. J. Combination automobile back protector and seat. 2,621,714, Dec. 16.
Kiwad, Isador, Westwood, N. J. Toe protector. 2,593,767, Apr. 22.
Kizaur, Arthur J., Wauwatosa, Wis., assignor to General Electric Company. X-ray apparatus. 2,588,124, Mar. 4.
Kizawa, Takeo, assignor to Yugen-Kaisha Sanei Sangyo, Tokyo-To, Japan. Apparatus for discriminating the sex of chickens of hens and cocks and the other birds or for inspecting the internal organs of any birds or animals. 2,612,157, Sept. 30.
Kjaer, Viggo, Copenhagen, Denmark, assignor to Industria Osakeyhtio, Helsingfors, Finland. Sound absorbent sheathing for walls or ceilings. 2,619,685, Dec. 2.
Kjeldsen, Jens L., Odense, Denmark. Rack for milk buckets or like containers. 2,614,700, Oct. 21.
Kjellberg, Oscar E., Seattle, Wash. Lathe stop. 2,604,000, July 22.
Kjellman, Walter, Stockholm, Sweden. Consolidating soils. 2,615,307, Oct. 28.
Kjellman, Walter, Stockholm, and T. K. E. Kallstenius, Lidingo, Sweden. Extracting cores of soil from the ground. 2,615,680, Oct. 28.
Kjerulff, Anton P., Lake Charles, La. Rotary cutter head for sewer rods. 2,589,556, Mar. 18.
Kjorstad, Erik A. H., Oslo, Norway. Refrigeration of fish. 2,616,811, Nov. 4.
Kjos, Otto B., and H. A. Korda, Pelican Rapids, Minn. Patients' bedease. 2,585,660, Feb. 12.
Klaar, Albert, assignor to Anker-Werke, A. G., Bielefeld, Germany. Indicating device on cash registers. 2,598,270, May 27.
Klaasse, James M., Troy, N. Y., and H. Jensen, Philadelphia, Pa. Method and apparatus for conducting geophysical surveys from an aircraft. 2,610,226, Sept. 9.
Klaassens, Klaas H., and C. J. Schoot, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Diazotizing aromatic amino-compounds to corresponding diazonium compounds. 2,622,078, Dec. 16.
Klagges, Henry C., Haddon Township, Camden County, assignor to The Esterbrook Pen Company, Camden, N. J. Writing pen assembly. 2,601,846, July 1.
Klagges, Henry C., Haddon Township, Camden County, assignor to The Esterbrook Pen Company, Camden, N. J. Inkwell. 2,621,629, Dec. 16.
Klagsbrunn, Josef, assignor to E. Markus, Geneva, Switzerland. Centrifugal mill. 2,609,995, Sept. 9.
Klakovich, Joseph, San Pedro, Calif. Adjustable pattern former. 2,585,135, Feb. 12.
Klaner, Joe F., Jr., assignee: *See*—
Rosencranse, Charles R.
Klapprodt, Glen R.: *See*—
Wolford, George J., and Klapprodt.
Klapproth, William J., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine and melamine. 2,615,019, Oct. 21.
Klar, John: *See*—
Kunlholm, Martin L., and Klar.
Klarich, Andrew M.: *See*—
Sloan, Otto, and Klarich.
Klas, Harold W., Sylvania, Ohio, assignor to the United States of America as represented by the Secretary of the Air Force. Probe supporting apparatus for wind tunnels. 2,612,776, Oct. 7.
Klasens, Hendrik A., London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Condenser. 2,616,813, Nov. 4.
Klasens, Hendrik A., and A. W. Vingerhoets, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Luminescent screen. 2,616,817, Nov. 4.
Klasing, Arthur P., Webster Groves, and B. M. Williams, assignors to Gaylord Container Corporation, St. Louis, Mo. Container. 2,612,305, Sept. 30.
Klass, Philip J., Schenectady, N. Y., assignor to General Electric Company. Power boat control system. 2,604,613, July 22.
Klassen, John H., Inman, Kans. Hand-propelled hydraulic lifting truck. 2,590,016, Mar. 18.
Klatt, Warren F., Los Angeles, Calif. Valve lapping fixture. 2,619,778, Dec. 2.
Klaue, Hermann, Ueberlingen on the Bodensee, Germany. Manufacture of flexible hose. 2,622,657, Dec. 23.
Klaue, Hermann, Uberlingen, Bodensee, Germany. Brake for the hubs of bicycles, motorcycles, or the like. 2,622,703, Dec. 23.
Klauer Manufacturing Company, assignee: *See*—
Benedict, Louis A., and Klauer.
Klauer, William J.: *See*—
Benedict, Louis A., and Klauer.

Klausmann, Milton H., Maplewood, assignor to Seal-Spout Corporation, Newark, N. J. Combined sifting and pouring spout. 2,589,819, Mar. 18.

Klay, Menno, Salinas, Calif. Brooder. 2,604,875, July 29.

Klay, Walter S., and R. E. Price, assignors to Landis Tool Company, Waynesboro, Pa. Grinding machine. 2,615,288, Oct. 28.

Klebba, Arthur A., A. C. Vine, and W. M. Ewing, Woods Hole, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Tide gauge. 2,592,159, Apr. 8.

Kleckner, Ulysses F., assignor to The Norden Laboratories Corporation, New York, N. Y. Apparatus for dynamically balancing rotating elements. 2,616,289, Nov. 4.

Kleeberg, Gunther K. E., Belfast, Maine. Spindle and handle connection. 2,613,098, Oct. 7.

Klehmet, Hans, assignee: *See*—
Van Boytham, Stephan.

Klehmet, Virginia, assignee: *See*—
Van Boytham, Stephan.

Kleiber, Carl E., Irvington, N. J., assignor to Standard Oil Development Company. Apparatus for handling finely divided solid materials. 2,609,248, Sept. 2.

Kleiderer, Charles W., Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Navy. Potting composition. 2,599,762, June 10.

Kleiman, Morton: *See*—
Herzfeld, Simon H., and Kleiman.

Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of chlordane. 2,598,561, May 27.

Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. N-mercuri-1,2,3,6-tetrahydro-3,6-endomethano-3,4,5,6,7,7-hexachlorophthalimide. 2,598,562, May 27.

Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of organo-thiyl compounds. 2,610,967, Sept. 16.

Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of organo-thiyl compounds. 2,610,968, Sept. 16.

Klein, Albert: *See*—
Müller, Josef, Patry, Baumberger, and Klein.

Klein, Alexander, Berkeley, Calif., assignor to L. S. Wertz, Cleveland, Ohio. Hydraulic cementitious mixtures and making. 2,588,248, Mar. 4.

Klein, Arthur, Cincinnati, Ohio. Automobile traction device. 2,622,702, Dec. 23.

Klein, Arthur L., Los Angeles, assignor, to Douglas Aircraft Company, Inc., Santa Monica, Calif. Rotary turbocompressor jet engine after-burner. 2,617,252, Nov. 11.

Klein, Arthur R., Erieside, Ohio. Fishing equipment. 2,600,002, June 10.

Klein, Ben, and C. G. Hoberg, Santa Monica, Calif.; said Hoberg assignor of one-third of the whole to said Klein. Barber's auxiliary seat. 2,600,547, June 17.

Klein, Charles G., La Junta, Colo. Lined dispensing carton. 2,583,856, Jan. 29.

Klein, Chris, Naperville, R. C. Skarin, Western Springs, and W. G. Tinker, Itasca, assignors to The Petersen Oven Company, Franklin Park, Ill. Centrifugal blower. 2,601,030, June 17.

Klein, Cletus A., Caro, Mich. Tow bar. 2,610,070, Sept. 9.

Klein, Elias, Washington, D. C. Electroacoustic transducer. 2,601,300, June 24.

Klein, Hellmuth R., Elmhurst, N. Y. Paralleling attachment for drill and cutting tools. 2,621,408, Dec. 16.

Klein, Howard C., Brooklyn, N. Y., and R. Kapp, Newark, assignors to Nopco Chemical Company, Harrison, N. J. Production of choline chloride. 2,623,901, Dec. 30.

Klein, Hyman J., Closter, assignor to S. Sarner, Tenafly, N. J. Sliding panel. Re. 23,576, Nov. 11.

Klein, John O., assignor to Texas Foundries, Inc., Lufkin, Tex. Vehicle coupling. 2,613,948, Oct. 14.

Klein, Joseph L., assignee: *See*—
Sebastian, David, Heggen, and Hampton.

Klein, Marjorie L., Los Angeles, Calif. Infant's sleeping garment and cover. 2,586,961, Feb. 26.

Klein, Markus, Pittsburgh, Pa. Removable shoulder rest for violins. 2,591,164, Apr. 1.

Klein, Marvin M.: *See*—
Barbara, Louis J., Klein, and Howard.

Klein, Mathias: *See*—
Stulen, Walter H., Klein, and Tichenor.

Klein, Michael R., assignee: *See*—
Crapuchettes, Paul W.

Klein, Norman E.: *See*—
Brattain, Walter H., Klein, and Richardson.

Klein, Norman E., Clemson, assignor to Deering Milliken Research Trust, Pendleton, S. C. Bobbin. 2,620,145, Dec. 2.

Klein, Norman E., Stamford, assignor to Deering Milliken Research Trust, Greenwich, Conn. Additive tension device. 2,595,270, May 6.

Klein, Norman E., Stamford, assignor to Deering Milliken Research Trust, Greenwich, Conn. Shuttle eye. 2,616,456, Nov. 4.

Klein, Norman E., Garden City, N. Y., and W. H. Brattain, Chatham, N. J., assignors to the United States of America as represented by the Secretary of the Navy. Integral-drive magnetometer head. 2,605,072, July 29.

Klein, Otto, Pforzheim, Baden, Germany. Apparatus for corrugating tubes. 2,614,607, Oct. 21.

Klein, Paul, Stockton, Calif. Lens marking device. 2,617,200, Nov. 11.

Klein, Siegfried, assignor to Société Anonyme dite: Comptoir des Cendres et Metaux Precieux. High-temperature electric resistance oven. 2,585,791, Feb. 12.

Klein, Victor G., St. Louis, and C. H. Mueller, Ferguson, assignors to Lincoln Engineering Company, St. Louis, Mo. Record changer. 2,601,301, June 24.

Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Automatic charging and vent valve. 2,582,546, Jan. 15.

Kleine, Johannes: *See*—
Heisenberg, Erwin, and Kleine.

Kleineberg, Gustav, and O. Zimermann, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Photographic objective lens system. 2,622,478, Dec. 23.

Kleineberg, Paul E., Easton, Pa., and P. Larivière, Champlain, assignors of one-half to T. W. & C. B. Sheridan Company, New York, and one-half to The Sheridan Iron Works, Champlain, N. Y. Signature flatwise gathering machine. 2,621,039, Dec. 9.

Kleinekathöfer, Felix, Bad-Kreuznach, Germany. Artificial leg. 2,588,013, Mar. 4.

Kleiner, Israel S., New York, N. Y. Swabbing device with disposable swab. 2,610,347, Sept. 16.

Kleiner, Joseph J., Woodmere, N. Y. Assembly for bacteriological tests. 2,607,347, Aug. 19.

Kleinman, Jacob L., New York, N. Y. Shaving implement. 2,590,871, Apr. 1.

Kleinman, Jacob L., New York, N. Y. Girdle. 2,596,155, May 13.

Kleinholz, Milton P.: *See*—
Beare, Leonard E., Kleinholz, and Hoock.

Kleinholz, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Rust inhibiting composition. 2,610,919, Sept. 16.

Kleinschmidt, Edward E., Highland Park, Ill. Carriage return mechanism for recording apparatus. 2,606,641, Aug. 12.

Kleinschmidt Laboratories, Inc., assignee: *See*—
Anderson, Carl P.

Kleinschrod, Friedrich G., and J. W. Fisher, Spondon, near Derby, England, assignors to British Celanese Limited. Linear poly-4-amino-1,2,4 triazoles. 2,623,868, Dec. 30.

Kleinschrod, Friedrich G., and J. W. Fisher, Spondon, near Derby, England, assignors to British Celanese Limited. Linear poly-4-amino-1,2,4 triazoles heated with a monocarboxylic acid or certain derivatives thereof. 2,623,869, Dec. 30.

Kleis, Derk, and M. van Tol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Image transmission system. 2,582,135, Jan. 8.

Kleis, John D., Lake Forest, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Ignition circuit. 2,586,962, Feb. 26.

Kleiss, Eva B.: *See*—
Kleiss, Herman H. and E. B.

Kleiss, Herman H. and E. B., Chicago, Ill. Shopping bag. 2,580,796, Jan. 1.

Kleiss, Louis D., Phillips, Tex., assignor to Phillips Petroleum Company. Treatment of sour hydrocarbons with caustic solutions. 2,623,008, Dec. 23.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Blast freezer. 2,607,201, Aug. 19.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Refrigeration plate with defrosting means. 2,607,203, Aug. 19.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Dispensing case for frozen foods. 2,607,204, Aug. 19.

Klemach, Fred A., Ann Arbor, assignor to Ford Motor Company, Dearborn, Mich. Forming sheet metal with low-melting dies. 2,593,571, Apr. 22.

Klement, John F., assignor to Ampco Metal, Inc., Milwaukee, Wis. Working and heat-treating a copper base alloy. 2,599,002, June 3.

Klemm, Ernst: *See*—
Volk, Karl, Holzbaur, and Klemm.

Klemm, Herman G., Birmingham, assignor to Harry Ferguson, Inc., Detroit, Mich. Press wheel. 2,606,486, Aug. 12.

Klemm, Herman G., Birmingham, assignor to Harry Ferguson, Inc., Detroit, Mich. Resilient mounting for hay rakes. 2,621,465, Dec. 16.

Klemperer, Hans: *See*—
Hodson, Peter, and Klemperer.

Klepetko, Ernest, and P. de B. Kaye, Bauer, and L. J. Hartzell, Jr., Tooele, assignors to Combined Metals Reduction Company, Stockton, Utah. Recovery of resins from coal. 2,591,830, Apr. 8.

Klepetko, Ernest, Bauer, and L. J. Hartzell, Jr., Tooele, assignors to Combined Metals Reduction Company, Stockton, Utah. Apparatus for separating solids of relatively different wettabilities. 2,606,660, Aug. 12.

Kletzke, George E., La Crescent, Minn. Pipe holder. 2,606,056, Aug. 5.

Kile, August H. D., Staten Island, N. Y. Fishing bobber. 2,597,836, May 20.

Kliegel, George, Washington, D. C., Cup, saucer, and cream jug. 2,583,951, Jan. 29.

Kliegel, George, Washington, D. C. Cup, saucer, and cream jug combination. 2,618,943, Nov. 25.

Kliegl Bros. Universal Electric Stage Lighting Co., Inc., assignee: *See*—
Kliegl, Herbert A., and J.

Kliegl, Herbert A., Forest Hills, and J. Kliegl, Queens Village, assignors to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Selector switch. 2,594,181, Apr. 22.

Kliegl, Joseph: *See*—
Kliegl, Herbert A. and J.

Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electron beam deflection and rebalancing apparatus. 2,613,340, Oct. 7.

Kliever, Waldo H., and N. T. Stone, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Photoelectric discharge device. 2,601,208, June 17.

Kliewer, Edward A., Sr., Longview, Tex. Valve. 2,600,115, June 10.

Klijberg, Bernardus E. J., Tilburg, Netherlands. Rotatable supporting member for conveying devices. 2,615,193, Oct. 28.

Klimas, Matthew, Richmond Hill, N. Y., assignor to A. Zerega's Sons, Inc. Spaghetti wrapping machine. 2,604,744, July 29.

Klimek, Leo J., Long Prairie, Minn. Ruler gauge. 2,606,371, Aug. 12.

Klinck, Karl J., San Gabriel, Calif. Grease applying machine for greasing bun pans and the like at spaced points for providing uniform layers. 2,616,390, Nov. 4.

Kline, Bernard L.: *See*—
Roddin, Daniel P., and Kline.

Kline, Harry E. and L. V., Long Beach, Calif. Spray attachment for kettles and the like. 2,605,136, July 29.

Kline, John E.: *See*—
Peden, Douglas T., and Kline.

Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Finishing annular grooves. 2,604,735, July 29.

Kline, Laura V.: *See*—
Kline, Harry E. and L. V.

Kline, Leo, and T. T. Sonoda, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of dried eggs. 2,610,918, Sept. 16.

Kline, Morris, Little Silver, N. J. Antenna lobe shifting device. 2,595,271, May 6.

Kline, Paul C., H. P. Crook, and A. T. Van Cutsem, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Corrugation drilling tool. 2,592,432, Apr. 8.

Kline, Paul L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for perforating distortable material. 2,585,252, Feb. 12.

Kline, Raymond V., assignor to Patent Management Inc., Minneapolis, Minn. Apparatus for controlling and measuring the concentration of solutions. 2,586,169, Feb. 19.

Kline, Richard C., Mount Kisco, N. Y. Carpet tufting machine. 2,591,944, Apr. 8.

Kline, Richard C., Mount Kisco, N. Y. Automatic carpet tufting and pile cutting machine. 2,595,585, May 6.

Kline, Richard C., Mount Kisco, N. Y., and J. Miller, Asheville, N. C., said Miller assignor to said Kline. Carpet tufting machine. 2,600,993, June 17.

Kline, William O., Waynesboro, assignor to Frick Company, Franklin County, Pa. Process and apparatus for treating hides. 2,587,485, Feb. 26.

Kline, William O., assignor to Frick Company, Waynesboro, Pa. Air conditioning system. 2,619,802, Dec. 2.

Kling, Arnold G., and C. R. Goerg, assignors to Globe-Union Inc., Milwaukee, Wis. Momentary contact switch of the push-button type. 2,586,056, Feb. 19.

Kling, Arnold G., and R. L. Wolff, assignors to Globe-Union Inc., Milwaukee, Wis. Electric switch. 2,622,174, Dec. 16.

Kling, Fred E., Youngstown, Ohio, assignor to H. A. Brassert & Company, New York, N. Y. Blast furnace support. 2,597,501, May 20.

Kling, John J.: *See*—
Heckman, Edward A., and Kling.

Kling, Nelson G., Roslyn, assignor to The Technicon Company, New York, N. Y. Automatic immersion apparatus. 2,583,379, Jan. 22.

Klingenberg, Winfield S., Stamford, Conn. Positioning mechanism. 2,588,932, Mar. 11.

Klinger, Ernest F.: *See*—
Klingler, Charles and E. F.

Klingler, Charles, Amityville, and E. F. Klingler, Lindenhurst, N. Y. Swivel joint. 2,587,170, Feb. 26.

Klingler, Ira C., Elkhart, Ind. Collapsible stretcher. 2,596,250, May 13.

Klinglesmith, Eugene P. Vinita, Okla. Tackle box. 2,604,372, July 22.

Klingsberg, Erwin: *See*—
Papa, Domenick, Klingsberg, and Schwenk.

Klinker, Louis G., Griffith, Ind., assignor to The Glidden Company, Cleveland, Ohio. Furnace brazing compositions. 2,594,313, Apr. 29.

Klinker, Louis G., Griffith, Ind., assignor to The Glidden Company, Cleveland, Ohio. Copper brazing compositions. 2,606,132, Aug. 5.

Klinkhamer, Hendrik A. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifying installation. 2,600,249, June 10.

Klipsch, Paul W., Hope, Ark. Crossover filter network. 2,612,558, Sept. 30.

Klock, George E., Kenmore, N. Y., assignor to International Cellucotton Products Company, Chicago, Ill. Method and apparatus for forming sanitary napkin attachment loops. 2,601,617, June 24.

Klockner-Humboldt-Deutz A. G., assignee: *See*—
Hövel, Josef.

Klockner-Humboldt-Deutz Aktiengesellschaft, assignee: *See*—
Kloss, Richard, Engels, and Combüchen.

Klomp, Alfred W., assignor to Process Gear and Machine Co., Detroit, Mich. Cutting gears. 2,620,549, Dec. 9.

Klopak, Joseph, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Feeding of tapered articles. 2,590,710, Mar. 25.

Klopf, James A.: *See*—
Gulden, Ernest V., and Klopf.

Klopf, James A., assignor to The National Cash Register Company, Dayton, Ohio. Indicator. 2,591,555, Apr. 1.

Klopfenstein, Gerald J., assignor to Bowser, Inc., Fort Wayne, Ind. Proportioner resetting mechanism. 2,593,894, Apr. 22.

Klopfer, Charles E.: *See*—
Vale, Jalva, and Klopfer.

Klopfer, Karl, Vogelsberg, Uzwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Swinging flap for tenter-frame clips. 2,599,714, June 10.

Klöpping, Carel P., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube having a disk-shaped cathode. 2,609,518, Sept. 2.

Klose, Alfred J., Rolling Hills, assignor to G. M. Giannini & Co. Inc., Pasadena, Calif. Angle-swept potentiometer. 2,622,177, Dec. 16.

Kloser, Martin M., Chicago, T. L. Kimball, Park Ridge, and O. J. Schrenk, assignors, to Bowman Dairy Company, Chicago, Ill. Manufacture of bakers' cheese. 2,586,830, Feb. 26.

Kloski, John F., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Sheet feeding mechanism for typewriters or like machines. 2,582,783, Jan. 15.

Kloss, Emma E., Chicago, Ill. Board game apparatus. 2,611,616, Sept. 23.

Kloss, Richard, Cologne-Buchforst, E. G. Engels, Cologne-Niehl, and P. Combüchen, Bergisch-Gladbach, assignors to Klockner-Humboldt-Deutz Aktiengesellschaft, Cologne, Germany. Working cylinder for air-cooled combustion engines. 2,608,962, Sept. 2.

Kloster, John, Minneapolis, Minn. Corn-popping machine. 2,586,347, Feb. 19.

Klosterman, Francis E., Louisville, Ky. Servomotor with lubricated rotatable piston rod. 2,598,271, May 27.

Klostermann, Curt W., assignor to American Phenolic Corporation, Chicago, Ill. Spring loaded action contact. 2,615,951, Oct. 28.

Kloth, Walter F., Cincinnati, Ohio. Water chlorinators and water chlorination systems. 2,623,014, Dec. 23.

Klotz, Herman J.: *See*—
Doty, Charles R., Klotz, and Koranye.

Klotz, Irving M., and R. T. Morrison, Evanston, Ill., assignors to the United States of America as represented by the Secretary of the Navy. p-Aminobenzenephosphonous acid. 2,605,280, July 29.

Klouman, Henning, and C. Nygren, Michigan City, Ind., assignors to Michiana Products Corporation. Coiling reel for Steckel mills. 2,589,093, Mar. 11.

Kluck, Louis, Odessa, Tex. Rib type casing centralizer. 2,622,684, Dec. 23.

Klug, Erhard, Montvale, N. J. Article tripped marking device. 2,603,150, July 15.

Klug, Eugene D., assignor to Hercules Powder Company, Wilmington, Del. Ethyl oxyethyl cellulose derivatives and preparation of the same. 2,610,180, Sept. 9.

Klug, Eugene D., assignor to Hercules Powder Company, Wilmington, Del. Mixed cellulose ether and preparation thereof. 2,618,632, Nov. 18.

Kluge, Abel, Woodbury Township, Washington County, and H. A. Brandtjen, Lakeville Township, Dakota County, assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Throwoff mechanism. 2,622,525, Dec. 23.

Kluge, Friedrich H., Olean, N. Y., assignor, by mesne assignments, to Dresser Operations, Inc., Whittier, Calif. Rotating shaft seal means. 2,621,087, Dec. 9.

Klumb, George H., assignor to Culligan Zeolite Company, Northbrook, Ill. Anode construction for use in cathodic protection for water softeners and filters. 2,616,844, Nov. 4.

Kluson, John E., assignor to Kluson Manufacturing Company, Chicago, Ill. Tailpiece for stringed musical instruments. 2,585,661, Feb. 12.

Kluson Manufacturing Company, assignee: *See*—
Kluson, John E.

Klutke, Fritz K., assignor to O. H. Drager, Lubeck, Germany. Measuring instrument. 2,600,778, June 17.

Klyce, Battle H., Stamford, Conn., assignor to Time, Incorporated, New York, N. Y. Photoprinting device. 2,600,168, June 10.

Klyce, Stephen D.: *See*—
McDonald, John J., and Klyce.
Klym, Julius, assignor to Kirkwood Commutator Company, Cleveland, Ohio. Commutator and blank for forming same. 2,602,988, July 15.
Klyver, Soren M., Los Angeles, Calif. Reciprocal actuated rotating spinner game device. 2,608,410, Aug. 26.
Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for winding sheet material about cylindrical bodies. 2,613,043, Oct. 7.
Kmiecik, Leo J., assignor, by mesne assignments, to McDonnell & Miller, Inc., Chicago, Ill. Pop-type safety valve. 2,584,715, Feb. 5.
Kmiecik, Leo J., assignor to McDonnell & Miller, Inc., Chicago, Ill. Snap switch. 2,601,152, June 17.
Kmiecik, Leopold J., assignor to McDonnell & Miller, Inc., Chicago, Ill. Fluid level responsive device. 2,583,952, Jan. 29.
Knaff, Albert, Uccle-Brussels, assignor to Glaceries de St. Roch Societe Anonyme, Brussels, Belgium. Surfacing of glass. 2,623,332, Dec. 30.
Knaggs, Harold J., deceased, Sandusky, Ohio; L. L. Knaggs, administratrix. Valve. 2,613,688, Oct. 14.
Knaggs, Leah L., administratrix: *See*—
Knaggs, Harold J.
Knapp, Andrew E., Marion, Ohio, assignor to Betz Corporation, Hammond, Ind. Refrigerator having freezer and storage compartments with separate controls. 2,594,036, Apr. 22.
Knapp, Burton B., Westfield, and D. S. Carr, Elizabeth, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Electrodepositing hard nickel plate. 2,594,933, Apr. 29.
Knapp, Charles W., Oxford, Kans. Self-locking grappling unit. 2,602,001, July 1.
Knapp, Franklin E., assignor to R. M. Simpson, South Bend, Ind. Trailer towing device. 2,622,891, Dec. 23.
Knapp, Harry M., Scotch Plains, N. J., and F. A. Zupa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shock mount for relays. 2,609,171, Sept. 2.
Knapp, James G.: *See*—
Adams, Bruce P., Palma, and Knapp.
Knapp, John J.: *See*—
Garnsey, Hamilton, and Knapp.
Knapp, Max: *See*—
Paule, Willy, and Knapp.
Knapp-Monarch Co., assignee: *See*—
Dafforn, Kenneth B., and Huffman.
Holstein, Alvin W.
Huck, Alfred J.
Huck, Alfred J., and Visos.
Huffman, Russell I.
Knapp, Robert S.
Knapp, Rudolph.
Kochner, William B.
Kochner, William B., and McCarron.
Moeller, George L.
Scharf, Frank W.
Snyder, Leland H.
Snyder, Leland H., and Shipley.
Knapp, Norman E., San Jose, Calif. Tractor plow. 2,608,145, Aug. 26.
Knapp, Richard P., Toledo, Ohio, assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Portable marine foundation. 2,608,829, Sept. 2.
Knapp, Robert L., and D. L. Schoene, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Preparation of lower fatty acid esters of geraniol, nerol, and linalool. 2,609,388, Sept. 2.
Knapp, Robert S., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Valve structure. 2,592,808, Apr. 15.
Knapp, Robert S., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Aerosol bomb valve. 2,596,414, May 13.
Knasko, Joseph J., and M. Gribik, Ford City, Pa. Battery terminal connector. 2,622,120, Dec. 16.
Knauer, Berthold: *See*—
Rouan, Francis J., and Knauer.
Knauss, Edward, North Hollywood, assignor to Elkay, Inc., Los Angeles, Calif. Hose nozzle. 2,617,687, Nov. 11.
Knaust, Henry: *See*—
Knaust, Herman and Henry.
Knaust, Herman and Henry, Saugerties, N. Y. Fermentation process. 2,592,711, Apr. 15.
Knauth, Berthold A., Bolton, N. Y., and P. H. Chin, Cranford, N. J., assignors to The Motorapeed Corporation, New York, N. Y. Thyratron control system for electric motors. 2,600,003, June 10.
Kneaskern, Albert D.: *See*—
Warren, Minton W., and Kneaskern.
Knee, Aaron A., assignor to Lance, Inc., Charlotte, N. C. Sandwich making machine. 2,603,341, July 15.
Knee, Simon, Newark, N. J. Combination billfold and purse. Re. 23,577, Nov. 11.
Knee, Simon, Newark, N. J. Combined wallet and purse. Re. 23,578, Nov. 11.
Knee, Simon, Newark, N. J. Combined wallet and purse. 2,581,029, Jan. 1.
Knee, Simon, Newark, N. J. Fitted purse. 2,604,133, July 22.
Knee, Simon, Newark, N. J. Wallet or similar article with secret compartment. 2,604,134, July 22.
Kneece, Jack M., and I. B. Harkey, Jr., New Orleans, La. Fishing lure with a combined weed guard and skirt clamp. 2,617,227, Nov. 11.
Kneibler, Arthur C., administrator: *See*—
Keim, Donald B.
Kneibler, Arthur R.: *See*—
MacRae, William R. S., and Kneibler.
Kneifel, Laurence S., Cleveland, and H. V. Sharlitt, Shaker Heights, assignors to Transparent Specialties Corp., Cleveland, Ohio. Card holder. 2,614,350, Oct. 21.
Kneitel, Seymour, New York, N. Y., assignor, by mesne assignments, to Paramount Pictures Corporation. Apparatus for fixing relative positions of members photographed on motion-picture film. 2,589,825, Mar. 18.
Knell, Christopher V.: *See*—
Crafts, Curtis S., and Knell.
Kneller (Instruments & Tools) Limited, assignee: *See*—
Hardy, Norman S.
Knellwolf, Hans C., Zurich, Switzerland. Foot-supporting means. 2,586,057, Feb. 19.
Knepper, Bonnie, De Witt, Iowa. Air conditioning system. 2,619,894, Dec. 2.
Knepper, Kenneth K.: *See*—
Knepper, Lily R., Newton and Knepper.
Knepper, Lily R., J. R. Newton and K. K. Knepper, Royal Oak, Mich. Finger mask. 2,592,293, Apr. 8.
Knerem, Elmer, Cleveland, Ohio. Load releasing device. 2,592,577, Apr. 15.
Kness, Austin E., Albia, Iowa. Animal trap. 2,594,182, Apr. 22.
Knewstubb, Norman W., Solihull, and C. N. Jenkins, Yardley, Birmingham, England, assignors to Union Carbide and Carbon Corporation, New York, N. Y. Laminated article having an unimpregnated surface and making the same. 2,587,171, Feb. 26.
Knibbs, Henry J., Huntoon, Saskatchewan, Canada. Stowable truck ladder. 2,621,846, Dec. 16.
Knibbs, Norman V. S., Longfield, England. Hydration of lime. 2,611,683, Sept. 23.
Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Production of ethylene. 2,588,323, Mar. 4.
Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Fractional distillation. 2,619,814, Dec. 2.
Kniff, August A., San Dimas, Calif. Machine for cutting transverse slots across strips of material. 2,602,477, July 8.
Knight, Clarence F., McGrann, assignor of one-half to W. R. Anderson, Kittanning, Pa. Smoking pipe. 2,585,390, Feb. 12.
Knight, Dee A., Lawson, Colo. Vibrating-hearth furnace. 2,611,601, Sept. 23.
Knight, Elwin L., Portland, Oreg. Arcuate elongated supporting frame for headlamps. 2,606,293, Aug. 5.
Knight, Harold E., Jr.: *See*—
Sprinkel, Robert B., Umstott, and Knight.
Knight, Hogan B., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Polymeric plasticizers. 2,613,157, Oct. 7.
Knight, James E., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Control system and variable linkage therefor. 2,613,891, Oct. 14.
Knight, James L.: *See*—
Janos, Alfred G., and Knight.
Knight, John P., Detroit, Mich. Apparatus for inking ribbons. 2,599,561, June 10.
Knight, Kenneth H., assignor to Graton & Knight Company, Worcester, Mass. Fluid seal packing. 2,590,017, Mar. 18.
Knight, Lloyd K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Grinder, including means preventing the entrance of material between the rotor and housing thereof. 2,591,076, Apr. 1.
Knight, Lorne E., and J. L. H. Everitt, assignors to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Connecting rod assembly. 2,608,108, Aug. 26.
Knight, Mark B., East Orange, N. J., assignor to Radio Corporation of America. High-voltage supply. 2,601,153, June 17.
Knight, Milton A.: *See*—
Taylor, John A., and Knight.
Knight, Richard W., Wichita Falls, Tex. Foundation frame for parade floats. 2,617,570, Nov. 11.
Knight, Richard W., Wichita Falls, Tex. Auxiliary vehicle frame. 2,617,572, Nov. 11.
Knighton, James A., Birmingham, Ala. Making faced building blocks and the like. 2,601,532, June 24.
Knights, James, Company, The, assignee: *See*—
Holmbeck, John D.
Knipe, James G., Princeton, N. J. Door check and the like. 2,602,181, July 8.
Knipe, William L., Haverhill, Mass. Shoe. 2,585,391, Feb. 12.
Knippel, Elvis T., Monee, Ill. Checking and marking attachment for planters. 2,618,229, Nov. 18.
Knipper, Edward J., Bakersfield, Calif. Combination footstool, ladder, seat, and storage chest. 2,592,912, Apr. 15.
Knipper, Frank P., Rochester, N. Y. Combined thermometer and stirring rod. 2,608,861, Sept. 2.

Knipping, Rainer H., San Antonio, Tex. Propulsion wheel. 2,612,957, Oct. 7.
Knipple, James D., Johnstown, Pa. License plate holder and bracket. 2,603,015, July 15.
Kniveton, James: *See*—
Hess, Frederic O., and Kniveton.
Knobel, Max, Arlington, assignor to K. T. Laboratories, Inc., Boston, Mass. Pneumatic inspection gauge. 2,596,696, May 13.
Knobel, Max, Arlington, Mass., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Writing instrument. 2,617,387, Nov. 11.
Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Pin bearing, material therefor, and making. 2,580,436, Jan. 1.
Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Bearing, bearing material, and fabricating bearings. 2,580,437, Jan. 1.
Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Bearing assembly. 2,580,438, Jan. 1.
Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Musical instrument employing continuously moving member. 2,586,664, Feb. 19.
Knoblock, Frederick D., Birmingham, assignor to Hildegarde T. Knoblock, Bloomfield Hills, Mich. Glare shield for automotive vehicles. 2,617,680, Nov. 11.
Knoblock, Hildegarde T., assignee: *See*—
Knoblock, Frederick D.
Knoch, Harold M., Ann Harbor, assignor to Gerity-Michigan Corporation, Adrian, Mich. Fixture holding means. 2,604,285, July 22.
Knocke, Louis T., Birmingham, Mich. Forming and applying thermoplastic closures to containers. 2,608,334, Aug. 26.
Knoesel, Erwin: *See*—
Wirtel, Arthur F., and Knoesel.
Knol, Kornelis S.: *See*—
Diemer, Gesinus, and Knol.
Strutt, Maximiliaan J. O., van der Ziel, and Knol.
Van Hofweegen, Johannes M., and Knol.
Knol, Kornelis S., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier for centimeter waves. 2,616,990, Nov. 4.
Knol, Kornelis S., and G. Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit for decimeter and centimeter waves. 2,617,016, Nov. 4.
Knoll A.-G. Chemische Fabriken, assignee: *See*—
Schenck, Gerhard, and Rattinger.
Knoll Associates, Inc., assignee: *See*—
Saarinen, Eero.
Knoll, William A., United States Navy. Jet engine having fuel pumps driven by air turbine in thrust augmenting air duct. 2,610,464, Sept. 16.
Knoll, William V., Dayton, Ohio. Apparatus for pulping papermaking material. 2,616,340, Nov. 4.
Knollman, Harry A., Mount Orab, assignor to Krueger and Hudepohl, Cincinnati, Ohio. Cable connector. 2,582,384, Jan. 15.
Knopf, Kenneth K., San Mateo, Calif. Plural combustion product generator in ring coaxial with turbine. 2,601,758, July 1.
Knonke, Edward T., Detroit, Mich. Dial adding machine. 2,586,058, Feb. 19.
Knopp, Rudolph, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Shaver structure. 2,600,658, June 17.
Knopp, Wallace A., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Strand bundle drier and conditioner. 2,597,999, May 27.
Knopp, Wallace A., Parkersburg, and T. L. Nash, South Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Multiple stage tow drying. 2,598,000, May 27.
Knops, Edwin C., Berkeley, Calif. Reading stand. 2,581,541, Jan. 8.
Knorr, Herman, Jr., Shiocton, assignor of one-half to H. J. Brandt, Black Creek, Wis. Transplanter. 2,597,936, May 27.
Knos, Gunnar B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Crossbar switch for automatic telephone systems. 2,616,981, Nov. 4.
Knosp, Robert N., Ludlow, Ky., C. E. Linden, Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Indicator dial operating mechanism. 2,592,433, Apr. 8.
Knosp, Robert N., Ludlow, Ky., C. E. Linden, Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Control mechanism for tapping machines. 2,600,779, June 17.
Knoth, Frederick, Jr.: *See*—
Fischer, Wilbur F., Knoth, and Newberg.
Knoth, Robert J., Jeffersonville, Ind. Wheeled attachment for hand trucks. 2,616,720, Nov. 4.
Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener inserting machine. 2,607,917, Aug. 26.
Knott, Edward B.: *See*—
Davey, Edward P., and Knott.
Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Developing sensitive photographic materials. 2,618,557, Nov. 18.
Knott, Kenneth E., assignor to The Kawneer Company, Niles, Mich. Attaching clip for wall surfacing. 2,591,361, Apr. 1.
Knott, Leonard G.: *See*—
Knott, Thomas H. and L. G.
Knott, Thomas H. and L. G., Murrieta, Calif. Fishing sinker. 2,623,323, Dec. 30.
Knowland, Thomas M., Belmont, and G. D. Marcy, Newton Highlands, assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Uniformly spray coating. 2,588,125, Mar. 4.
Knowles, Daniel M.: *See*—
Cane, Howard, and Knowles.
Knowles, Edwin C., Glenham, O. P. Puryear, Fishkill, and G. W. Eckert, Glenham, assignors to The Texas Company, New York, N. Y. Lubricant containing soap of phosphated hydroxy fatty acid or glyceride. 2,500,058, June 10.
Knowles, Edwin F., Miami, Ariz. Folding table and leg actuator. 2,603,544, July 15.
Knowles, Edwin M., China Company, The, assignee: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.
Bongiovanni, John C.
Knowles, Frank W., Seattle, Wash., assignor to Beltice Corporation. Ice machine. 2,616,271, Nov. 4.
Knowles, Frederick W., assignor to The Wilkinson Sword Company Limited, London, England. Dry shaving device. 2,623,280, Dec. 30.
Knowles, George, assignee: *See*—
Blazier, Jess A.
Knowles, John H., Larchmont, N. Y., assignor to The Dorr Company, Stamford, Conn. Distributor for trickling filters. 2,611,646, Sept. 23.
Knowles, Lloyd G.: *See*—
Karp, Harvey, Darden, and Kolodziej.
Knowles, William H., Jr., Berwyn, and W. B. Pegram, Swarthmore, assignors to International Resistance Company, Philadelphia, Pa. Gang volume control bank. 2,620,418, Dec. 2.
Knowlton Brothers, assignee: *See*—
Knowlton, David C.
Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,584,273, Feb. 5.
Knowlton, Cutler D., Rockport, and F. B. Thresh, Beverly, assignors to Hoague-Sprague Corporation, Lynn, Mass. Assembling and packing articles. 2,608,038, Aug. 26.
Knowlton, David C., assignor to Knowlton Brothers, Watertown, N. Y. Filter sheet. 2,598,061, May 27.
Knowlton, Leland P., Worcester, Mass. Clasp. 2,595,391, May 6.
Knowlton, Paul H., Jr., Schenectady, N. Y., assignor to General Electric Company. Turbine bucket damping arrangement. 2,610,823, Sept. 16.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,599,645, June 10.
Knox, Albert, Vancouver, British Columbia, Canada. Aerial transporter. 2,588,733, Mar. 11.
Knox, Arthur L., Sr.: *See*—
Freimann, Frank, Hart, and Knox.
Martin, Norman F., and Knox.
Knox, Arthur L., assignor to The Magnavox Company, Fort Wayne, Ind. Record changer spindle. 2,621,932, Dec. 16.
Knox, David M., New York, N. Y. Variable composite picture frame. 2,623,316, Dec. 30.
Knox, Granville S., assignor to Hydril Corporation, Los Angeles, Calif. Control head and blow-out preventer. 2,609,836, Sept. 9.
Knox, James P., Allston, Mass. Fish lure. 2,622,361, Dec. 23.
Knox, Philander C., III, De Land, Fla. Rodent trap. 2,581,327, Jan. 1.
Knox, Willard D., assignee: *See*—
Ravers, Jerry J., Jr.
Knoy, Marion F., Long Beach, assignor to R. T. Collier, Wilmington, Calif. Portable refrigerator. 2,592,712, Apr. 15.
Knudsen, Hans L., assignor to Cummins Engine Company, Inc., Columbus, Ind. Fuel feeding and distributing apparatus for internal-combustion engines. 2,618,252, Nov. 18.
Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Movable coil electrical instrument. 2,586,831, Feb. 26.
Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Resistance thermometer bulb. 2,588,014, Mar. 4.
Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Indicating the maximum of a plurality of conditions. 2,593,897, Apr. 22.
Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Responding to an extreme of a plurality of conditions. 2,593,898, Apr. 22.
Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Rotation-transmitting device. 2,617,306, Nov. 11.
Knudsen, Peter M., Katonah, N. Y. Scaffold construction. 2,582,385, Jan. 15.

Knudsen, Raymond G.: *See*—
Walraven, George M., and Knudsen.

Knudsen, Raymond G., assignor to Snap-On Tools Corporation, Kenosha, Wis. Sleeve pulling device. 2,613,983, Oct. 14.

Knudsen, Viggo J., San Mateo, Calif. Pipe handling sling. 2,598,921, June 3.

Knudson, Lewis I.: *See*—
McNulty, John V., and Knudson.

Knudson, Vernis G., assignor to Treasure Masters Corporation, Minneapolis, Minn. Display container. 2,606,653, Aug. 12.

Knuff, Gilbert B., Cleveland, Ohio. Crayon or the like holder and feeding tube. 2,591,831, Apr. 8.

Knutsen, Knut A., assignor to Compagnie Des Machines Bull (Societe Anonyme) Paris, France. Cathode-ray tube analyzing and recording apparatus. 2,586,963, Feb. 26.

Knutsen, Knut A., assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France. Storing and comparing arrangement for collating and the like machines. 2,597,647, May 20.

Knutsen, Knut A., assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France. Machine for comparing and classifying record cards. 2,610,736. Sept. 16.

Knutsen, Knut A., Paris, France; vested in the Attorney General of the United States. Card reproducing machine. 2,623,592, Dec. 30.

Knutson, Amos T.: *See*—
Morell, Le Grand, and Knutson.

Knutson, Gothard H., Pelican Rapids, Minn. Lock link chain. 2,584,134, Feb. 5.

Knutson, Reuben, Zumbrota, Minn. Automatic vehicle unloader. 2,591,556, Apr. 1.

Knutzen, Iver, Christiansfeld, Denmark. Rotary plant chopping element. 2,599,843, June 10.

Knuuti, Charles O., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rivet-stud removing mechanism. 2,617,174, Nov. 11.

Koberlein, Louis F., New York, N. Y., and O. Poltersdorf, Paterson, N. J., assignors to Interchemical Corporation, New York, N. Y. Preparation of water-soluble azo dyes and water-soluble bases therefor. 2,606,896, Aug. 12.

Koberling, Joseph, Sr., Tulsa, Okla. Fireplace chimney damper construction with water catching means. 2,622,588, Dec. 23.

Koblas, John S., Minneapolis, Minn. Snowplow. 2,582,136, Jan. 8.

Kobler & Co., assignee: *See*—
Kobler, Victor and W.

Kobler, Victor and W., assignors to Kobler & Co., Zurich, Switzerland. Plate warmer. 2,590,418, Mar. 25.

Kobler, Victor and W., Zurich, Switzerland. Razor having shearheads with one end closer to each other than the other end. 2,611,175, Sept. 23.

Kobler, Werner: *See*—
Kobler, Victor and W.

Kobos, Frank, Sr., Houston, Tex. Roller jewel setting tool. 2,588,850, Mar. 11.

Koch, Alfred R., Jr., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Universal motion actuator. 2,612,049, Sept. 30.

Koch, Charles J., Jr., Cincinnati, Ohio. Combined float and mercury switch. 2,600,659, June 17.

Koch, Edward G., Bayou Goula, La. Sugar cane juice clarifier. 2,593,036, Apr. 15.

Koch, Frederick, Sparta, assignor to C. Todd, Rutherford, N. J., as trustee. Machine for operating on strip stock. 2,610,388, Sept. 16.

Koch, Frederick, Sparta, assignor to Associated Patentees, Inc., Ampere, N. J. Coil cradle. 2,622,816, Dec. 23.

Koch, George J.: *See*—
Van Dyck, Kenneth A., and Koch.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wall box fan. 2,580,797, Jan. 1.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor structure. 2,603,674, July 15.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,618,435, Nov. 18.

Koch, Harold B., and J. U. Lehn, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,603,906, July 22.

Koch, Harold E., Pewaukee, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Electric heat treating furnace. 2,611,790, Sept. 23.

Koch, Henry J., and C. C. Lamar, assignors to Harper-Wyman Company, Chicago, Ill. Locking stem adjustment valve. 2,597,874, May 27.

Koch, Maurice P., San Francisco, Calif. Luggage sealing device. 2,604,961, July 29.

Koch, Otto L., Woodlynne, N. J., and P. Nix, Philadelphia, Pa. Practice target for putting. 2,592,713, Apr. 15.

Koch, Paul F., Chicago, Ill., assignor to Chicago Die Casting Manufacturing Company. Pulley and clutch mechanism. 2,594,450, Apr. 29.

Koch, Paul F., Chicago, Ill., assignor to Chicago Die Casting Manufacturing Company. Combined clutch and pulley. 2,615,343, Oct. 28.

Koch, Philip M., Philadelphia, Pa. Gear shifting attachment. 2,623,402, Dec. 30.

Koch, Robert L., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Heated grid gas anchor. 2,601,533, June 24.

Koch, Roderic M., Evansville, Ind. Flowerpot stand. 2,591,362, Apr. 1.

Koch, Roderic M., Evansville, Ind. Sheet-metal receptacle forming machine. 2,591,439, Apr. 1.

Koch, Roderic M., Evansville, Ind. Collapsible wire basket. 2,604,288, July 22.

Koch, Theodoor, Oosterbeek, assignor to N. V. Onderzoekingsinstituut Research, Arnhem, Netherlands. Catalytic process for preparing high molecular weight linear macromolecular amino acid-polycondensates from lactams. 2,622,076, Dec. 16.

Koch, William J.: *See*—
Baumgartner, Cecil A., Ferguson, Koch, and Mutter.

Koch, Winfield R., Evesham Township, Burlington County, N. J., assignor to Radio Corporation of America. Wideband built-in receiver antenna. 2,602,892, July 8.

Koch, Winfield R., Marlton, N. J., assignor to Radio Corporation of America. Combination radio and television receiving system. 2,611,818, Sept. 23.

Kochendoerfer, Herman, New Rochelle, assignor of one-third to M. G. Underhill, Tuckahoe, and one-third to C. Sutherland, Yonkers, N. Y. Pen. 2,588,015, Mar. 4.

Kocher, Earl T., Bellflower, Calif., assignor to Visco Products Company, Houston, Tex. Demulsifying chemicals and breaking emulsions. 2,615,852, Oct. 28.

Kocher, Hermann, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Automatically controlled alternating current arc welding apparatus. 2,603,760, July 15.

Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Piercing pin valve construction. 2,585,253, Feb. 12.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device. 2,585,254, Feb. 12.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device. 2,596,415, May 13.

Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Manually and automatically operated valve. 2,600,660, June 17.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying valve structure. 2,600,661, June 17.

Kochner, William B., and D. F. McCarron, assignors to Knapp-Monarch Company, St. Louis, Mo. Mixer. 2,585,255, Feb. 12.

Koci, Jerry C., Riverside, assignor to Chicago Coin Machine Co., Chicago, Ill. Pin ball game. 2,610,059, Sept. 9.

Koci, Jerry C., assignor to Chicago Coin Machine Company, Chicago, Ill. Anticheating device. 2,611,839, Sept. 23.

Koci, Ludvik J.: *See*—
Jepson, Ivar, and Koci.

Koci, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Heating unit for cooking devices. 2,590,328, Mar. 25.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional acoustic system. 2,580,439, Jan. 1.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide lens system. 2,596,251, May 13.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,599,763, June 10.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave polarization shifter systems. 2,588,249, Mar. 4.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,603,749, July 15.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide antenna system. 2,607,010, Aug. 12.

Kocks Snickerifabriker Aktiebolag, assignee: *See*—
Ohlsson, Folke.

Kocsis, Paul, Jr.: *See*—
Claybourn, Glen L., and Kocsis.

Kodama, George T., assignor to Herlec Corporation, Milwaukee, Wis. Electrical capacitor. 2,582,931, Jan. 15.

Kodama, George T., assignor to Herlec Corporation, Milwaukee, Wis. Variable capacitor. 2,591,705, Apr. 8.

Kodeš, Felix: *See*—
Malý, Jaroslav, and Kodeš.

Koebel, Frank E., Madison, and O. E. Olivieri, Milburn, assignors, by mesne assignments, to J. K. Smit & Sons, Inc., Murray Hill, N. J. Holder for diamond dressing tools. 2,587,172, Feb. 26.

Koefoed, Karl E.: *See*—
Turner, Charles H., and Koefoed.

Koegler, Milton, Jacksonville, Fla., assignor to Renuzit Home Products Co., Philadelphia, Pa. Liquid dispensing and filling machine. 2,584,355, Feb. 5.

Koehler, Adolph F., Riverdale, N. Y. Fluorescent lamp. 2,581,959, Jan. 8.

Koehler, Carl J.: *See*—
Marsh, Frank L., Koehler, and Chrisler.

Koehler, Donald C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pretensioned spring. 2,616,993, Nov. 4.

Koehler, Garfield R., Compton, and B. W. Rice, Long Beach, Calif., said Rice assignor to said Koehler. Child's restraining harness for automobiles. 2,622,664, Dec. 23.

Koehler, James F., Chevy Chase, Md., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio echo detection system. 2,605,461, July 29.

Koehler, Louis W., Santa Rosa, Calif. Electronic discharge tube with a plurality of plate-grid systems. 2,589,397, Mar. 18.

Koehler Manufacturing Company, assignee: *See*—
Wheat, Grant.
Wheat, Grant, and Davis.

Koehring Company, assignee: *See*—
Beckwith, Raymond A.
Steelman, Julien R.

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Impregnation. 2,606,831, Aug. 12.

Koekebakker, Hendrik: *See*—
Horowitz, Alexandre, and Koekebakker.

Koelewijn, Arie: *See*—
Van Weenen, Franciscus L., Rathenau, and Koelewijn.

Koeling, George O., Milwaukee, Wis. Under door frame saw. 2,610,658, Sept. 16.

Koella, Ernest, Rockford, Tenn. Twister spindle. 2,605,602, Aug. 5.

Koener, Ralph F., Chicago, Ill. Golf putting game device. 2,609,199, Sept. 2.

Koenig, Eldo C.: *See*—
Beckwith, Sterling, and Koenig.

Koenig, Joseph J., St. Louis, F. G. Erskine, Kirkwood, and A. R. McManus, assignors to Gaylord Container Corporation, St. Louis, Mo. Water-insoluble adhesive composition. 2,597,006, May 20.

Koenig, Martin F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,617,903, Nov. 11.

Koenig, Oscar F.: *See*—
Rickner, George E., and Koenig.

Koenig, Walter J.: *See*—
Gilchrist, Allan E., and Koenig.

Koenig, William C.: *See*—
Kerr, Raymond W., and Koenig.

Koenig, William E.: *See*—
Doering, William A., and Koenig.

Koenig, William W.: *See*—
Burtt, Horatio H., Koenig, and Gilbert.

Koepfli, Joseph B.: *See*—
Campbell, Dan H., Koepfli, and Pauling.

Koeppel, Charles H., North Woodbury, Conn., assignor, by mesne assignments, to Rite Line Corporation, Washington, D. C. Copyholder paper support. 2,586,059, Feb. 19.

Koerner, Ernst C., Woodridge, H. Ehrhardt, Nutley, F. R. Haigh, Passaic, and J. Kirchhof, Clifton, assignors to Botany Mills, Inc., Passaic, N. J. Recovery of protein from wool and other keratinous materials. 2,591,945, Apr. 8.

Koertge, Nobel H.: *See*—
Cobb, Harold E., and Koertge.

Koester, Frederick A., Los Angeles, Calif. Automobile crankcase oil draining apparatus. 2,612,289, Sept. 30.

Koester, Norman C., and C. D. Cupp, assignors to Scott Aviation Corporation, Lancaster, N. Y. Casterable airplane wheel. 2,614,775, Oct. 21.

Koffler, Samuel, Brooklyn, N. Y. Razor with adjustable blade. 2,618,849, Nov. 25.

Kofoet, August: *See*—
Merley, Sylvan R., and Kofoet.

Kofoid, Meivin J., Corvallis, assignor to Northwest Nut Growers, Dundee, Oreg. Electric circuit to produce surge discharges at a high rate. 2,583,380, Jan. 22.

Kofoid, Melvin J., Corvallis, assignor to Northwest Nut Growers, Dundee, Oreg. Feeding, positioning, and orienting mechanism. 2,609,942, Sept. 9.

Kogan, Jerome, Stamford, N. Y. Cervical speculum. 2,587,486, Feb. 26.

Kogbetliantz, Ervand G., New York, N. Y. System for measuring magnetic fields. 2,590,079, Apr. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,580,440, Jan. 1.

Kögel, Wilhelm G., assignor, by mesne assignments, to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,580,441, Jan. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration system. 2,580,442, Jan. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,580,443, Jan. 1.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,587,629, Mar. 4.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator embodying compact arrangement of air-cooled parts. 2,598,703, June 3.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration apparatus. 2,599,562, June 10.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Cooling unit for refrigeration apparatus. 2,619,805, Dec. 2.

Kogl, Frank, St. Paul, assignor of two and one-half per cent to W. H. Carlson, two and one-half per cent to O. E. Carlson, West St. Paul, four per cent to M. M. Clark, four per cent to G. Clark, South St. Paul, Minn., and ten per cent to R. L. and R. S. M. Flynn, Superior, Wis. Concrete step form. 2,592,578, Apr. 15.

Kogstrom, Axel W., assignor to O. & S. Bearing Company, Detroit, Mich. Self-lubricating radial and thrust bearing. 2,591,832, Apr. 8.

Kohen, Jack J., South Bend, Ind. Table leg mounting. 2,584,471, Feb. 5.

Koh-I-Noor Tuzkarna L. & C. Hardtmuth, Narodni Podnik, assignee: *See*—
Votruba, Vojtěch.

Kohl, Alexander, assignor of one-half to M. L. Hoen, Fresno, Calif. Cane. 2,610,420, Sept. 16.

Kohl, Arthur L.: *See*—
Bechtold, Ira C., and Kohl.

Kohl, George C., University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Machine for casting hollow articles. 2,581,418, Jan. 8.

Kohl, George C., University Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Casting equipment. 2,585,662, Feb. 12.

Kohl, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Assembly device for resnatron filaments. 2,599,394, June 3.

Kohl, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Filament temperature compensating device. 2,599,395, June 3.

Kohl, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Resonatron filament basket. 2,617,960, Nov. 11.

Kohl, William R., Glenview, Ill. Shipping container. 2,593,895, Apr. 22.

Kohl, William R., Glenview, and A. L. Iverson, assignors to Para-Lux Products Company, Chicago, Ill. Shirt collar support. 2,587,860, Mar. 4.

Kohlbusch, Arthur H., Grayslake, assignor to Showcard Machine Co., Chicago, Ill. Printing machine for show cards. 2,608,155, Aug. 26.

Köhler, Franz, Alsbach Bergstrasse, assignor to Deutsche Gold-und Silber-Scheideanstalt vormals Roesler, Frankfurt on the Main, Germany. Urea aldehyde resin and producing the same. 2,600,780, June 17.

Kohler, George O.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Köhler, Jacob W. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot gas reciprocating engine with working medium augmenting means. 2,607,190, Aug. 19.

Köhler, Jacob W. L., C. O. Jonkers, W. H. Stigter, and A. A. Liebe, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot gas engine of the bellows type. 2,611,236, Sept. 23.

Kohler, John, Delawanna, N. J., assignor, by mesne assignments, to Bergen Pipesupport Corporation, New York, N. Y. Support device for pipes or the like. 2,618,449, Nov. 18.

Kohler, John B., assignor to The Kohler System Company, Chicago, Ill. Apparatus for winding rolls. 2,586,832, Feb. 26.

Kohler, John B., and M. J. Anderson, assignors to The Kohler System Company, Chicago, Ill. Core enveloper. 2,586,833, Feb. 26.

Kohler System Company, The, assignee: *See*—
Kohler, John B.
Kohler, John B., and Anderson.

Kohlhagen, Walter, Elgin, Ill. Machine for balancing balance wheels and the like. 2,587,048, Feb. 26.

Kohlhepp, Henry R.: *See*—
Anderson, Wilbur G., Jr., and Kohlhepp.

Kohn, Ellard G., Miami Beach, Fla., now by change of name E. G. Conn. Heating kettle. 2,593,768, Apr. 22.

Kohn, John F., Cleveland, Ohio. Lever actuated tire bead forcing tool. 2,619,158, Nov. 25.

Kohn, Leo, assignor to Morris Moskowitz Corporation, New York, N. Y. Pocketbook with resilient interengageable edges for closure of same. 2,584,594, Feb. 5.

Kohorn, Oscar, & Co., Ltd., assignee: *See*—
Morse, Reginald A.

Kohout, Frank W., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Bearing for water meter chambers. 2,616,399, Nov. 4.

Kohout, George A., Chicago, Ill. Variable speed drive. 2,602,342, July 8.

Kohr, Robert F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Torsion spring suspension. 2,604,319, July 22.

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Kohring, Wilbur M., Lakewood, Ohio, assignor to Wilkor Products, Inc. Resistance. 2,597,338, May 20.

Kohut, John J., assignor to The Loyal T. Ives Company, Inc., New Brunswick, N. J. Manufacturing surgeons' needles. 2,620,028, Dec. 2.

Kolstinen, Arnold A., Madison, S. Dak. Thread box. 2,588,540, Mar. 11.

Kojan, John J., Bedford, assignor to Drum Parts, Inc., Cleveland, Ohio. Clamping ring for metal drum closures. 2,603,382, July 15.

Kojis, John J., assignor to S & C Electric Company, Chicago, Ill. Fuse guiding and mounting means. 2,606,949, Aug. 12.

Kojis, John J., assignor to S & C Electric Company, Chicago, Ill. Auxiliary contact construction for load interrupter switches. 2,613,291, Oct. 7.

Kojis, John J., assignor to S & C Electric Company, Chicago, Ill. Switch construction. 2,621,272, Dec. 9.

Koke, Raymond H., Havana, Ill. Grass and weed whip sickle. 2,620,561, Dec. 9.

Kolachov, Paul J., and W. C. Schneider, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Continuous process for penicillin production. 2,609,327, Sept. 2.

Kolb, Paul: *See*—
Bowden, Andrew T., and Kolb.

Kolb, Paul, Whitley Bay, assignor to Power Jets (Research and Development) Limited, London, England. Heat exchanger bearing arrangement. 2,598,182, May 27.

Kolb, Philip C., Rochester, and E. A. Byrne, New York, N. Y. Outer garment. 2,608,690, Sept. 2.

Kolb, William K., and S. W. Pollock, assignors to Valley Iron Works Company, Appleton, Wis. Pulper for paper stock. 2,617,334, Nov. 11.

Kolbe, Joachim, Milwaukee, Wis. Vehicle with independent wheel suspension. 2,580,557, Jan. 1.

Kolbe, Joachim, Milwaukee, Wis. Caster and camber compensation for banking vehicles. 2,580,558, Jan. 1.

Kolbe, Joachim, Sussex, Wis. Inwardly banking vehicle employing forked banking arms. 2,580,559, Jan. 1.

Kolbe, Joachim, Sussex, Wis. Steering control for banking arm vehicles. 2,581,030, Jan. 1.

Kolber, Benjamin M., Lakewood, N. J. Circular poultry house. 2,608,178, Aug. 26.

Kold Hold Manufacturing Company, assignee: *See*—
Burr, Lauren R.

Kold-Krisp Apple Service, assignee: *See*—
Smile, Eldridge H., and Storm.

Kolehmainen, Elmar, Los Angeles, Calif. Ammunition link ejection chute. 2,596,252, May 13.

Kolessar, Andrew G.: *See*—
Erb, George H., Dwyer, and Kolessar.

Kolfenbach, John J.: *See*—
Morway, Arnold J., and Kolfenbach.
O'Halloran, Rosemary, and Kolfenbach.

Kolfenbach, John J., Somerville, N. J., and A. B. Small, Baton Rouge, La., assignors to Standard Oil Development Company. Low-temperature polymerization process employing P_2O_5 treated alkyl halide catalyst solvent. 2,603,626, July 15.

Kolfenbach, John J., Somerville, N. J., and A. B. Small, Baton Rouge, La., assignors to Standard Oil Development Company. Polymerizing olefins with phosphorus pentoxide-trialkyl phosphate catalyst solution. 2,614,136, Oct. 14.

Kolff, Peter van S., New Canaan, Conn. Rotary contactor device. 2,611,051, Sept. 16.

Kolich, Joseph F.: *See*—
George, Woodrow W., and Kolich.

Kolisch, Emil, New York, N. Y., assignor to Continental Silver Co., Inc. Electric percolator. 2,610,283, Sept. 9.

Kollisch, Emil, New York, N. Y., assignor to Continental Silver Co., Inc. Electric percolator. 2,610,284, Sept. 9.

Kolite Incorporated, assignee: *See*—
View, Stanley E.

Kolite Plastics Co., assignee: *See*—
Whitebread, Ned B.

Kolk, Chester R.: *See*—
Cleland, Fred B., Barnnecky, Kolk, and Wetzel.

Kolka, Alfred J., Birmingham, and I. T. Krohn, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Liquid ammonia process for forming hydrocarbon-lead compounds. 2,621,200, Dec. 9.

Kolkman, Dirk: *See*—
Elenbaas, Willem, Kolkman, and van der Wolf.

Kolko, Aron, Seine, France. Adjustable crank for automatically variable-speed transmission gears. 2,590,547, Mar. 25.

Kolkoski, Ruth M., East Grand Rapids, Mich. Tie frame. 2,608,323, Aug. 26.

Koller, Ernst, Basel, Switzerland. Spring suspension. 2,604,317, July 22.

Koller, Lewis R.: *See*—
Fraenckel, Victor H., and Koller.

Koller, Lewis R., and F. E. Williams, Schenectady, N. Y., assignors to General Electric Company. Production of colored images. 2,590,018, Mar. 18.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Transportation of granular solids. 2,607,635, Aug. 19.

Kolling, Helmut: *See*—
Gottschall, Wilhelm, Kolling, and Hagemann.

Kollontay, Eryk A., Weinbach, Saint Wolfgang, Austria. Toilet kit. 2,593,896, Apr. 22.

Kollsman Instrument Corporation, assignee: *See*—
Andresen, John H., Jr.
Andresen, John H., Jr., and Kasner.
Angst, Walter.

Kollsman, Paul, New York, N. Y. Cartridge for multicolor ball point pens. 2,585,016, Feb. 12.

Kollsman, Paul, New York, N. Y. Carbonating apparatus. 2,591,440, Apr. 1.

Kollsman, Paul, New York, N. Y. Pressure energy exchanger. 2,591,441, Apr. 1.

Kollsman, Paul, New York, N. Y. Engine fuel injection. 2,593,769, Apr. 22.

Kollsman, Paul, New York, N. Y. Device for carbonating and dispensing beverages. 2,593,770, Apr. 22.

Kollsman, Paul, New York, N. Y. Thermodynamic engine. 2,597,249, May 20.

Kollsman, Paul, New York, N. Y. Apparatus for filling writing implements. 2,597,250, May 20.

Kollsman, Paul, New York, N. Y. Apparatus for measuring weight flow of fluids. 2,602,330, July 8.

Kollsman, Paul, New York, N. Y. Device for hypodermic injection. 2,602,447, July 8.

Kollsman, Paul, New York, N. Y. Automatic syringe. 2,605,765, Aug. 5.

Kollsman, Paul, New York, N. Y. Three-color writing implement. 2,608,953, Sept. 2.

Kollsman, Paul, New York, N. Y. Fluid friction reducer. 2,609,139, Sept. 2.

Kollsman, Paul, New York, N. Y. Intermittent duct engine. 2,613,490, Oct. 14.

Kollsman, Paul, New York, N. Y. Device for sterilizing hollow thermoplastic articles by heat. 2,614,027, Oct. 14.

Kollsman, Paul, New York, N. Y. Device for hypodermic injections. 2,622,595, Dec. 23.

Kollweck, Erich, Berlin-Hulensee, Germany. Pliers with interchangeable jaws. 2,606,471, Aug. 12.

Kolodney, Morris, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pretreatment of beryllium prior to coating. 2,588,734, Mar. 11.

Kolodny, Samuel, Rutherford, assignor to East Rutherford Syringes, Inc., East Rutherford, N. J. Glass syringe packaging carton. 2,604,987, July 29.

Kolody, John: *See*—
Miller, Alfred J., Weidner, and Kolody.

Kolodziej, Michael F.: *See*—
Karp, Harvey, Darden, Kolodziej.

Koloske, Henry J., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe inseam sewing machine. 2,620,758, Dec. 9.

Kolsky, Sam, Trenton, N. J. Device for framing ladies' handbags. 2,620,846, Dec. 9.

Kolstad, Gilbert S., Austin, Minn. Poultry roost support. 2,621,008, Dec. 9.

Kolster, Frederick A., deceased, Hollywood, Calif.; M. Kolster, administratrix. Multiband antenna system. 2,619,596, Nov. 25.

Kolster, Frederick A., deceased, San Francisco, Calif.; M. Kolster, administratrix. Broad-band antenna system. 2,580,798, Jan. 1.

Kolster, Muriel, administratrix: *See*—
Kolster, Frederick A.

Kolterman, Lee W., North Kansas City, assignor to F. W. and E. O. Bopp, Kansas City, Mo. Window shutter. 2,604,160, July 22.

Kolthoff, Izaak M., and C. W. Carr, Minneapolis, Minn., assignors to Phillips Petroleum Company. Emulsion polymerization using ultrasonic vibrations to effect emulsification. 2,606,174, Aug. 5.

Kolzing, Heinz, Shelbyville, Ill., assignor to International Harvester Company. Rotary baler. 2,581,542, Jan. 8.

Komada, Joseph: *See*—
Babros, Joseph H., and Komada.

Komarek-Greaves & Company, assignee: *See*—
Komarek, Gustav.
Komarek, Gustav, and Chapman.

Komarek, Gustav, assignor to Komarek-Greaves & Company, Chicago, Ill. Fluxing apparatus. 2,600,408, June 17.

Komarek, Gustav, and W. J. Chapman, assignors to Komarek-Greaves & Company, Chicago, Ill. Briquettes and making same. 2,582,386, Jan. 15.

Komasa, Walter, South Bend, Ind. Glare reducing lens for headlights. 2,623,159, Dec. 23.

Komers, Max, Muelheim-on-the-Ruhr, and H. Potzl, Munich, Germany. Electric welding. 2,620,423, Dec. 2.

Komline-Sanderson Engineering Corporation, assignee: *See*—
Komline, Thomas R.

Komline, Thomas R., assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J. Rotary drum vacuum filter. 2,583,698, Jan. 29.

Kommer, Fred A.: *See*—
Armstrong, James F., and Kommer.

Komorous, Louis J., Chicago, Ill., assignor to Parisian Novelty Company. Badge clip. 2,618,086, Nov. 18.

Komow, Albert P., Great Neck, assignor to U. S. Cloth Cutting Machine Co., New York, N. Y. Sharpening device. 2,603,862, July 22.

Kompart, Walter W., Steubenville, Ohio, assignor to National Steel Corporation. Electroplating apparatus for moving strip. 2,610,146, Sept. 9.

Kompass, Frank O., New York, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Toaster. 2,588,851, Mar. 11.

Konchan, Anton W., Berwyn, Ill. Shock absorber link. 2,589,820, Mar. 18.

Kondrath, Gus G., Detroit, Mich. Spinning top. 2,616,213, Nov. 4.

Konet, Henry, Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. End play adjusting arrangement. 2,584,472, Feb. 5.

Konet, Henry, Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Compensated vertical gyroscope system. 2,597,151, May 20.

Konet, Henry, Paramus, and P. A. Noxon, Tenafly, assignors to Bendix Aviation Corporation, Teterboro, N. J. Attitude indicator. 2,595,951, May 6.

Konick, Arthur E., Collingswood, and N. E. Hjorth, Audubon, N. J., assignors to Radio Corporation of America. Two-phase motor control system. 2,598,922, June 3.

Konlger, Irving H., New York, N. Y. Fur seaming apparatus. 2,598,923, June 3.

Konigslow, Otto, Mfg. Co., The, assignee: *See*—
Green, Robert H.

Konikoff, Harry, assignor to H. G. Greene, New York, N. Y. Shoe display device. 2,586,665, Feb. 19.

Konluszy, Frank R., Rahway, N. G. Brink, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing an antipernicious anemia concentrate. 2,594,314, Apr. 29.

Konle, Robert L., New Berlin Township, Waukesha County, and C. W. Kuhn, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,598,563, May 27.

Konopka, Joseph A., Detroit, Mich. Photographic enlarging mask. 2,580,094, Mar. 11.

Konrad, Erich H., South Strafford, Vt., and W. H. Kaye, Lawrence, Mass., assignors to Sulphide Ore Process Company, Inc., New York, N. Y. Treating the electrolyte in the electrodeposition of iron. 2,580,681, Jan. 1.

Konrad, Erich H., Shelburne, and W. E. C. Eustis, Burlington, Vt., assignors to Sulphide Ore Process Company, Inc., New York, N. Y. Electrodeposition of iron in the form of continuous strips. 2,587,630, Mar. 4.

Konrad, William A: *See*—
Vesterdal, Hans G., and Konrad.

Konrath, Cornelius, Robbinsville, N. J. Kitchen colander for extracting juices and the like. 2,595,469, May 6.

Konsel, John, Massapequa, N. Y. Adjustable handle bar. 2,594,451, Apr. 29.

Koochembere, Chris T., Aldan, Pa. Insert fastener. 2,584,133, Feb. 5.

Kooistra, Lambert: *See*—
Kerr, Howard J., Fletcher, Kooistra, and Watts.

Kool, Cornelis M. H., Haren, and H. A. van Westen, and L. Hartstra, Amsterdam, assignors to Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groninger, Netherlands. Hydrolytic hydrogenation of carbohydrates in an acid medium. 2,609,399, Sept. 2.

Koolvent Metal Awning Corporation of America, assignee: *See*—
Helt, Herbert M.
Korman, Samuel B., and Harrison.

Koon, Kenneth, Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Record sensing means. 2,583,179, Jan. 22.

Koons, Carl M., Chicago, Ill. Motor-driven shear means. 2,621,404, Dec. 16.

Koons, Russell E.: *See*—
Barnes, Marion D., Embrey, and Koons.

Koontz, Clarence E., Washington, D. C., and I. H. Page, Silver Spring, Md. Early warning detector. 2,602,883, July 8.

Koonz, Carl H., assignor to Swift & Company, Chicago, Ill. Poultry dressing method. 2,600,781, June 17.

Koonz, John C., assignor to The Magnavox Company, Fort Wayne, Ind. Control switch and circuit for induction motors. 2,594,657, Apr. 29.

Koonz, John C., assignor to The Magnavox Company, Fort Wayne, Ind. Induction motor control switch and circuit. 2,594,658, Apr. 29.

Koonz, John C., Fort Wayne, and C. L. Piper, New Haven, assignors to The Magnavox Company, Fort Wayne, Ind. Pressure switch. 2,590,419, Mar. 25.

Koop, Ernest J., Shafter, Calif. Earth scoop. 2,587,487, Feb. 26.

Koopmans, Adriaan: *See*—
Dros, Albert A., and Koopmans.

Koopmans, Adriaan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas reciprocating engine. 2,618,923, Nov. 25.

Koos, John W., deceased, Detroit, Mich.; V. W. Koos, administrator. Telescoping fishing rod. 2,597,738, May 20.

Koos, Victor W., administrator: *See*—
Koos, John W.

Kopald, Herman G., executor: *See*—
Salfisberg, Leroy L.
Salfisberg, Leroy L. and C. M.

Kopas, Joseph S., Cleveland, Ohio. Testing device. 2,586,234, Feb. 19.

Kopczynski, John F., Buffalo, N. Y. Punch retainer with lock. 2,590,548, Mar. 25.

Kopczynski, John F., Buffalo, N. Y. Punch element and making same. 2,604,742, July 29.

Kopczynski, John F., Buffalo, N. Y. Punching die. 2,622,682, Dec. 23.

Kopelman, Bernard, Brooklyn, and E. Wainer, Niagara Falls, assignors, by mesne assignments, to National Lead Company, New York, N. Y. Superopaque enamel. 2,588,250, Mar. 4.

Kopf, Philip, Brooklyn, N. Y. Toy mortar. 2,600,116, June 10.

Köpili, Josef, Wil, Switzerland. Steering gear for motor vehicles. 2,600,885, June 17.

Koplin, Harry, and A. R. Slate, assignors to Zephyr Laundry Machinery Company, Chicago, Ill. Apparatus for building up and reducing pressure. 2,582,259, Jan. 15.

Kopp, Lester G., Leavenworth, Kans., assignor to Harry Ferguson, Inc., Detroit, Mich. Side delivery rake. 2,621,466, Dec. 16.

Koppe, Alexander T., Chicago, Ill. Precision camera. 2,581,591, Jan. 8.

Koppel, Hyman, Revere, Mass. Reinforcing garments. 2,610,327, Sept. 16.

Koppel, Noah, Bronx, N. Y. Nondrip valve. 2,584,716, Feb. 5.

Kopper, Edward, Winnetka, assignor to Peerless Equipment Company, Chicago, Ill. Shipping container. 2,598,800, June 3.

Kopper Kraft Industries, Inc., assignee: *See*—
Hickernell, Ralph C.

Koppers Company, Inc., assignee: *See*—
Anderson, John R.
Brinkema, Robert J.
Corson, Ben B., and Kutz.
Corson, Ben B., and Nickels.
Corson, Ben B., and Webb.
D'Alelio, Gaetano F.
Daniels, Joseph.
Degiorgi, Eduard.
Drake, John W.
Fox, Gordon.
Grim, John M.
Guy, Hubert G.
Harlow, Earl V.
Hill, William H.
Hill, William H., and Shipley.
Hill, William H., and Veltman.
Insinger, Thomas H., Jr.
Johnson, Robert.
Keeling, William O.
Kemper, Eugen.
Lavely, Paul H.
Nickels, Joseph E.
Rhodes, Philip H.
Rice, Owen R., and Whitcomb.
Robert, Fernand.
Royer, Leslie W.
Royer, Leslie W., and Iverson.
Schellenburg, Ernst.
Schmalenbuch, Adolf.
Schofield, Wilfred C.
Schulte, Elwood V.
Schwertz, Frederick A.
Shaffer, Chester E.
Shaffer, Chester E., and Fisher.
Swietoslawski, Wojciech.
Thompson, Arthur C.
Torzek, Friedrich.
Whitcomb, Arthur J.

Koppinger, Nicholas G., St. Clair Shores, assignor to Briggs Manufacturing Company, Detroit, Mich. Glare shield support. 2,583,857, Jan. 29.

Koppius, Otto G., White Plains, assignor to Phillips Laboratories, Inc., Irvington-on-Hudson, N. Y. Mass spectrometer. 2,582,216, Jan. 15.

Koppl, Ernest, Huntington Beach, and L. T. Koppl, Montebello, Calif.; said E. Koppl assignor to said L. T. Koppl. Well jar. 2,621,024, Dec. 9.

Koppl, Leo T.: *See*—
Koppl, Ernest and L. T.

Korach, Maurizio, assignee: *See*—
Drago, Gian G.

Koranda, Clarence J., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door closing and locking means for coal cars. 2,609,758, Sept. 9.

Koranye, Theodore D.: *See*—
Doty, Charles R., Klotz, and Koranye.

Korber, Eugene, Wallaceburg, Ontario, Canada, assignor to The Quaker Oats Company, Chicago, Ill. Machine for bagging cereals or grain. 2,609,134, Sept. 2.

Korda, Henry A.: *See*—
Kjos, Otto B., and Korda.

Kordesch, Karl: *See*—
Marko, Adolf, and Kordesch.

Kordsiemon, William M., Quincy, Ill. Malleableizing machine. 2,610,135, Sept. 9.

Koren, Frank: *See*—
Martinet, Eugene F., and Koren.

Korenblit, Szalom, Tel Aviv, Palestine. Bed. 2,584,135, Feb. 5.

Korkatti, Theodore R., Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cellular resinous materials and making the same. 2,602,193, July 8.

Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Antenna for microwave beacons. 2,608,659, Aug. 26.

Korman, Nathaniel I., Merchantville, N. J., assignor to Radio Corporation of America. Microwave antenna. 2,608,656, Aug. 26.

Korman, Samuel: *See*—
Sheer, Charles, and Korman.

Korman, Samuel B., and M. Harrison, assignors, by mesne assignments, to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa. Canopy construction. 2,585,256, Feb. 12.

Korn, Rudi, assignee: *See*—
Suydam, Bergen R.

Korn, Waldemar H., Dubuque, Iowa, assignor to Kornlube Products, Chicago, Ill. Bearing. 2,592,294, Apr. 8.

Kornblum, Sidney, Brooklyn, N. Y. Zinc base casting alloys and alloying. 2,589,398, Mar. 18.

Kornblum, Sidney, Brooklyn, N. Y. Zinc base casting alloys. 2,589,399, Mar. 18.

Korndorffer, Rudolf W. V.: *See*—
Taat, Willem J., and Korndorffer.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Erasing head for magnetic record members. 2,594,034, Apr. 29.

Korner, John, Pitman, N. J. Choline gallate and its preparation. 2,589,707, Mar. 18.

Korner, Reginald J., assignor of one-half to Jowett Cars Limited, Bradford, England. Chair or seat. 2,600,886, June 17.

Kornfeld, Edmund C.: *See*—
Jones, Reuben G., and Kornfeld.

Kornlube Products, assignee: *See*—
Korn, Waldemar H.

Kornmayer, Frank J., Chicago, Ill. Hinge for doors and swingable closures. 2,596,416, May 13.

Kornmayer, Frank J., assignor of forty-five per cent to A. H. Gemeinhardt, Chicago, Ill. Holding and guide means for mortising drills. 2,597,152, May 20.

Koroly, Joseph E., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of thermoset resins. 2,609,357, Sept. 2.

Koroly, Joseph E., assignor to Rohm & Haas Company, Philadelphia, Pa. Expanded, cellular, resinous products containing polyepoxides and aconitic acid. 2,623,023, Dec. 23.

Korolyshun, Russell T., Derby, and F. J. Sullivan, Ansonia, Conn., assignors to Sidney Blumenthal & Company, Inc., New York, N. Y. Machine for cutting textiles. 2,588,016, Mar. 4.

Koros, Leslie L., Camden, N. J., assignor to Radio Corporation of America. Amplitude modulation. 2,604,533, July 22.

Koros, Leslie L., Camden, N. J., assignor to Radio Corporation of America. Equalizer system. 2,622,149, Dec. 16.

Korsgaard, Paul H., assignor to Transparent Package Company, Chicago, Ill. Automatic shirring machine. 2,583,654, Jan. 29.

Korsgren, Theodore Y., Reynoldsburg, assignor to Crise Manufacturing Company, Columbus, Ohio. Noiseless self-aligning ball bearing. 2,588,636, Mar. 11.

Korshak, Harvey, assignor to Motorola, Inc., Chicago, Ill. Liquid fuel burner structure for vehicle heaters. 2,619,160, Nov. 25.

Korshak, Marvin S., San Jose, Calif. Reed holder. 2,589,821, Mar. 18.

Korski, Frank, Maplewood, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Core construction for electrical equipment. 2,610,225, Sept. 9.

Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Automatic safety control and indicator for engines. 2,603,697, July 15.

Kortum, Robert E.: *See*—
Delf, George A., and Kortum.

Kosik, Samuel J., Jr.: *See*—
Wenham, Fred L., and Kosik.

Koski, John J.: *See*—
Junker, Alex J., and Koski.

Koskinen, Olavi M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling element. 2,599,461, June 3.

Kosmer, Frank: *See*—
Petermann, Otto, and Kosmer.

Kosmin, Milton: *See*—
Harris, Jay C., and Kosmin.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Methylol melamine derivatives. 2,594,452, Apr. 29.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyethylene glycol esters of alpha-(alkylmercapto) propionic acid. 2,603,654, July 15.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkali sulfate salts of ethylene oxide condensation products as emulsifiers for styrene polymerization. 2,606,178, Aug. 5.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyglycol ethers of 7-ethyl-2-methyl-undecanol-4. 2,617,830, Nov. 11.

Kosmin, Milton, and J. C. Harris, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Detergent compositions. 2,594,453, Apr. 29.

Kosmin, Milton, Dayton, and E. W. Gluesenkamp, Centerville, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Polyethylene glycol esters of alkylmercaptoacetic acid. 2,603,653, July 15.

Kosmin, Milton, and J. M. Butler, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Esters of polymers of maleic anhydride and beta-mercaptoethanol and process. 2,610,202, Sept. 9.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of ketones. 2,587,486, Feb. 26.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of ketones. 2,587,489, Feb. 26.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Making a dialkyl phosphoryl monoethyl hydrocarbon phosphonate. 2,594,455, Apr. 29.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tetraalkyl monothiopyrophosphate as an insecticide. 2,582,204, Jan. 8.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Organic phosphorus acids and esters. 2,594,454, Apr. 29.

Kost, Alwin, assignor to Kost Multiple X, Inc., Portland, Oreg. Mechanical chair. 2,595,272, May 6.

Kost, Harold W., assignor to Prestole Corporation, Toledo, Ohio. Retainer device for tools. 2,580,930, Jan. 1.

Kost, Harold W., assignor to Prestole Corporation, Toledo, Ohio. Fastener for apertured panels. 2,588,251, Mar. 4.

Kost Multiple X, Inc., assignee: *See*—
Kost, Alwin.

Kosten, Johannes, *See*—
Wendt, Arnold R., and Kosten.

Koster, Curtis M., assignor, by mesne assignments, to Breda, Inc., San Francisco, Calif. Cap closure. 2,587,737, Mar. 4.

Koster, Curtis M., assignor, by mesne assignments, to Breda, Inc., San Francisco, Calif. Container closure. 2,587,738, Mar. 4.

Koster, Frederick W., Wallingford, Pa., and L. A. Oberly, Twinsburg, Ohio, assignors to American Viscose Corporation, Wilmington, Del. Drying apparatus. 2,589,400, Mar. 18.

Koster, Margaret R., Brooklyn, N. Y. Safety garment. 2,589,708, Mar. 18.

Koster's Bakery Co., assignee: *See*—
Stern, Benjamin.

Kostick, Walter A., assignee: *See*—
Buck, Andrew P. W.

Kostka, Charles, Bronx, N. Y. Angle gear-transmission coupling for rotary tools. 2,589,822, Mar. 18.

Kostka, Charles, New York, N. Y. Holder construction for refillable writing or erasing instruments. 2,619,937, Dec. 2.

Kostka, Otto R., assignor to Marvel Jewelry Mfg. Company, Providence, R. I. End connector for watch bracelets. 2,614,307, Oct. 21.

Kostoleckl, John F., assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Automatic swivel locking caster. 2,583,858, Jan. 29.

Kostolnik, John P., Whiting, Ind. Bearing for axle boxes. 2,585,017, Feb. 12.

Kostopoulos, Emanuel A., Drexel Hill, Pa. Ventilating and insulating undershirt. 2,610,496, Sept. 16.

Kostrowski, Stanley J., Jersey City, N. J. Removable seat and back units for upholstered furniture. 2,608,243, Aug. 26.

Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Apparatus for determining the time of descent of instruments within boreholes. 2,592,295, Apr. 8.

Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Borehole apparatus centering guide. 2,611,664, Sept. 23.

Kott, Hermann, West Orange, N. J. Photometric device. 2,582,835, Jan. 15.

Kottmann, Arthur A.: *See*—
Palmer, William C., and Kottmann.

Kottmann, Arthur A., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Paper roll support. 2,613,881, Oct. 14.

Kottmann, Arthur A., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Article conveyer and transfer mechanism. 2,615,553, Oct. 28.

Koucký, Josef, Prague, assignor to Zbrojovka Brno, Narodni Podnik (Brno Arms Factory, National Corporation), Brunn, Czechoslovakia. Automatic gas piston operated firearm. 2,615,370, Oct. 28.

Koulomzine, Theodore, Val d'Or, Quebec, Canada. Magnetometer. 2,590,184, Mar. 25.

Kounkel, Lloyd M., Le Mars, assignor of twenty five per cent to L. E. Ladenthim, Kingsley, and twenty five per cent to H. W. Greenwaldt, Le Mars, Iowa. Feeding trough for hogs and the like. 2,599,844, June 10.

Koupal, Robert J.: *See*—
Hauber, Carl, and Koupal.

Koupal, Robert J., assignor to Infilco Incorporated, Chicago, Ill. Tray filter. 2,620,927, Dec. 9.

Kovach, Frank, Lincoln, Nebr. Injector and pump. 2,602,702, July 8.

Kovach, Frank J., assignor to Rondo Records, Inc., Chicago, Ill. Spiral and eccentric groove cutter for phonograph records and the like. 2,595,795, May 6.

Kovach, Louis: *See*—
Arnold, George B., and Kovach.

Kovacs, Julius P., assignor to Purolator Products, Inc., Newark, N. J. Self-supporting metallic edge type filter unit. 2,622,738, Dec. 23.

Kovalik, John, Maple Heights, and R. E. Witter, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Container puncturing and dispensing device. 2,622,767, Dec. 23.

Kovalovsky, Arthur and O., Los Angeles, Calif. Control for fishing reels. 2,608,359, Aug. 26.

Kovalovsky, Oscar: *See*—
Kovalovsky, Arthur and O.

Kovalsky, Joseph F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current-limiting speed control apparatus. 2,600,303, June 10.

Kovatch, Robert J., Baltimore, Md., assignor to Bothlehem Steel Company. Sheet piling apparatus. 2,605,910, Aug. 5.

Koverroll, Inc., assignee: *See*—
Lauton, William M.

Kovnat, Maurice B.: *See*—
Dilzler, Guy E., and Kovnat.

Kovreg, Louis A., Huntingdon, Pa., assignor to Owens-Corning Fiberglas Corporation. Bonded glass fiber structures and method and composition for use in manufacturing compositions. 2,619,475, Nov. 25.

Kowal, Michael H., Clifton, assignor to Empire Box Corporation, Garfield, N. J. Egg carton. 2,584,595, Feb. 5.

Kowal, Michael H., Clifton, assignor to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,606,712, Aug. 12.

Kowalewski, Frank J.: *See*—
Cole, Alvin D., and Kowalewski.

Kowalski, Alfred C., Fresno, Calif. Pulse amplitude modulation communication system. 2,589,617, Mar. 18.

Kowalski, Hellmut, assignor to Becorit-Grubenausbau G. m. b. H., Recklinghausen, Germany. Pit prop. 2,623,723, Dec. 30.

Kowan, Maurice H., Los Angeles, Calif. Rectal irrigator. 2,583,298, Jan. 22.

Kowarsch, Arthur, Milwaukee, Wis. Wall attached closure remover with releasable retainer. 2,599,462, June 3.

Koylowski, Michael S.: *See*—
Loader, Alfred, and Koylowski.

Koza, Charles A., Pittsburgh, Pa. Angle drive. 2,582,336, Jan. 15.

Koza, Charles A., Pittsburgh, Pa. Nut lock. 2,616,475, Nov. 4.

Kozacik, Alfred P., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Oil-soluble polyvalent metal salts of acids from oxidized hydrocarbons and making same. 2,622,092, Dec. 16.

Kozacka, Frederick J.: *See*—
Edsall, William S., Swain and Kozacka.

Kozacka, Frederick J., Amesbury, assignor to The Chase-Shawmut Company, Newburyport, Mass. Current-limiting fuse. 2,594,315, Apr. 29.

Kozacka, Frederick J., Amesbury, assignor to The Chase-Shawmut Company, Newburyport, Mass. Current-limiting fuse. 2,599,646, June 10.

Kozanowski, Henry N.: *See*—
Millspaugh, Frederick W., and Kozanowski.

Kozma, Ladislas: *See*—
Kruithof, Jakob, and Kozma.

Kozman, Albert S., assignee: *See*—
Granberg, Albert J.

Kozul, Andrew J.: *See*—
Metzner, Albert W., and Kozul.

Kraay, Robert A., Chicago, and E. W. Larsen, Elmhurst, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for dipping articles in liquid. 2,591,557, Apr. 1.

Kracklauer, Aloysius C., Mundelein, Ill. Horizontal plate filter. 2,615,574, Oct. 28.

Kracklauer, Aloysius C., Mundelein, Ill. Clean-out mechanism for filters and the like. 2,621,798, Dec. 16.

Kradoska, Edward C., Melrose Park, Pa. Dedenting machine for closed end containers. 2,613,721, Oct. 14.

Kradoska, Edward C., Melrose, Pa. Body roller. 2,617,466, Nov. 11.

Kraeling, Harry A., assignee: *See*—
Morrison, Chester C.

Kraemer, Elmore A., and L. E. Finch, assignors to West Bend Aluminum Co., West Bend, Wis. Base for portable domestic ovens. 2,599,923, June 10.

Krafft, Frederich G., assignor to The Thompson Grinder Company, Springfield, Ohio. Mounting structure for grinding wheels. 2,612,015, Sept. 30.

Krafft, Frederick G., assignor to The Thompson Grinder Company, Springfield, Ohio. Device for forming grinding wheels. 2,586,235, Feb. 19.

Kraft, El Roy J., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Flow control device. 2,593,315, Apr. 15.

Kraft, El Roy J., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Reciprocating pump assembly. 2,593,316, Apr. 15.

Kraft Foods Company, assignee: *See*—
Linstedt, William F.
Miller, Roland E.
Nielsen, Ernst K., and Pellicani.
Riemer, John.
Thurman, Benjamin H.

Kraft, Herman T., assignor to The General Tire and Rubber Company, Akron, Ohio. Vulcanizing apparatus for retreading tires. 2,606,342, Aug. 12.

Kraft, Herman T., assignor to The General Tire and Rubber Company, Akron, Ohio. Method of and apparatus for forming tire bands and band so formed. 2,614,056, Oct. 14.

Kraft, Herman T., assignor to The General Tire and Rubber Company, Akron, Ohio. Tire building machine. 2,614,952, Oct. 21.

Kraft, Joseph K.: *See*—
Rissler, Lennius R., and Kraft.

Kraft, Russell E., Lake Hiawatha, N. J. Condenser testing apparatus. 2,617,859, Nov. 11.

Kraft, Russell E., Parsipany, and G. Washington, Jr., assignors to United Technical Laboratories, Morristown, N. J. Electrical test prod. 2,580,682, Jan. 1.

Kraft, Selmer A.: *See*—
Talboys, Henry H., and Kraft.

Kraft, Selmer A., St. Paul, Minn., and A. W. Beaurline, River Forest, assignors to Johnson Power-On Transmission Corporation, Chicago, Ill. Hydraulic transmission. 2,591,363, Apr. 1.

Kraft Walker Cheese Company Proprietary Limited, assignee: *See*—
Daniell, Francis H.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Vacuum control system. 2,584,211, Feb. 5.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Method and apparatus for clay treating oil. 2,590,872, Apr. 1.

Kraft, Wheaton W., Scarsdale, N. Y., A. Davies, Lyndhurst, N. J., and O. C. Schauble, Mount Kisco, N. Y., assignors to The Lummus Company, New York, N. Y. Kiln with protecting wall structure. 2,623,810, Dec. 30.

Krahler, Stanley E.: *See*—
Wirth, Walter V., and Krahler.

Krahler, Stanley E., Holly Oak Terrace, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluorescent optical bleaching agents. 2,600,004, June 10.

Krahulec, Fred, Skokie, assignor to A. C. Nielsen Company, Chicago, Ill. Stylus for graphic recording. 2,582,043, Jan. 8.

Krahulec, Fred, Skokie, Ill., assignor to A. C. Nielsen Company. Torque testing and calibrating device. 2,589,401, Mar. 18.

Krahulec, Fred, Skokie, assignor to A. C. Nielsen Company, Chicago, Ill. Coin or token discharge mechanism for mailable record magazines. 2,593,572, Apr. 22.

Krainz, Robert F., assignee: *See*—
Timpner, Henry.

Kraissl, Frederick, Jr., North Hackensack, N. J. Rotary pump. 2,586,964, Feb. 26.

Krajewski, Julia B., Clifton, N. J. Drapery fitting. 2,606,733, Aug. 12.

Kral, Joseph, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Turn-in stud mounting molding snap fastener. 2,615,226, Oct. 28.

Kralinator Products Limited, assignee: *See*—
Beckett, Ronald C.

Kralovec, Robert D., and R. L. Huffman, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of nitrogenous fertilizer compositions. 2,592,809, Apr. 15.

Kramar, John K., Morton Grove, Ill. Throttle and brake control. 2,585,474, Feb. 12.

Kramer, Albert J., assignee: *See*—
Mindel, Joseph.

Kramer, Augustus, Brooklyn, and J. Kramer, Ozone Park, assignors to Kaybe Manufacturing Company, Brooklyn, N. Y. Automatic pattern control for sewing machines. 2,609,769, Sept. 9.

Kramer, Betty and J., Rego Park, N. Y. Lady's underslip. 2,614,257, Oct. 21.

Kramer, Charles, Jeffersonville, Ind., assignor to The Mengel Company, Louisville, Ky. Apparatus for manufacturing plywood tubes. 2,603,579, July 15.

Kramer, Charles, Jeffersonville, Ind. Furniture construction. 2,619,400, Nov. 25.

Kramer, Daniel, Willowick, Ohio. Means used in conjunction with a motion picture camera for the photographic recording of a date on a film. 2,608,919, Sept. 2.

Kramer, David, West Los Angeles, and O. H. Stapp, Montebello, assignors, by mesne assignments, to Air-Vent Awning Company, Los Angeles, Calif. Ventilated awning. 2,611,935, Sept. 30.

Kramer, Earnest H., Tulsa, Okla. Fishing line float. 2,591,558, Apr. 1.

Kramer, Edward H., assignee: *See*—
Peck, Woolsey D.

Kramer, Eugene, Long Island City, N. Y. Adjustable brassière frame. 2,605,468, Aug. 5.

Kramer, George, Springfield, Oreg. Self-cleaning power-driven cylinder harrow. 2,599,845, June 10.

Kramer, Israel, assignor to Kramer Trenton Company, Trenton, N. J. Valve control for the head pressure in refrigerating systems. 2,621,051, Dec. 9.

Kramer, Jack: *See*—
Kramer, Augustus and J.

Kramer, John F., assignor, by mesne assignments, to Draeco Corp., Cleveland, Ohio. Awning. 2,592,579, Apr. 15.

Kramer, Jonas: *See*—
Kramer, Betty and J.

Kramer, Max, Las Cruces, N. Mex. Trainer demonstrator for set of space coordinates fixed to the earth. 2,595,273, May 6.

Kramer, Melvin L., assignor to Melmar, Incorporated, Newark, N. J. Display box with interconnected tray and cover. 2,622,955, Dec. 23.

Kramer, Saul, Brooklyn, N. Y., assignor of one-fourth to C. M. Palmer, Washington, D. C. Compact. 2,582,593, Jan. 15.

Kramer, Stephen, Greenville, Calif. Logging tongs. 2,581,799, Jan. 8.

Kramer Trenton Company, assignee: *See*—
Frie, George.
Kramer, Israel.
Malkoff, Hyman.

Kramer, William L., Los Angeles, Calif. Filing case and sequential extractor means for photo slides, cards, and the like. 2,620,249, Dec. 2.

Kramrisch, Fritz, Detroit, Mich., assignor to Albert Kahn Associated Architects & Engineers, Inc. Long span structure. 2,622,546, Dec. 23.

Kramsky, Irwin, and N. F. Toussaint, assignors to Ditto, Incorporated, Chicago, Ill. Hectograph blanket. 2,616,812, Nov. 4.

Kranc, Casimir, New York, N. Y., assignor to Metal Parts & Equipment Company, Chicago, Ill. Tourniquet. 2,604,098, July 22.

Kranick, Frank N. G., Racine, Wis. Apparatus for storing forage. 2,605,692, Aug. 5.

Krantitz, Robert, Du Bois, Pa. Bait container. 2,605,581, Aug. 5.

Krantz, Ernest, Detroit, Mich. Retrieving device. 2,588,637, Mar. 11.

Krantz, Karl W., Niskayuna, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Molybdena-amorphous titanin catalysts. 2,605,238, July 29.

Krantz, Walter M., Ferndale, Mich. Tensioning device for storm windows. 2,614,297, Oct. 21.

Krantz, Walter M., Youngstown, Ohio. Sash construction. 2,583,107, Jan. 22.

Krapp, Joseph W., Katonah, N. Y. Illuminated top. 2,611,995, Sept. 30.

Krasberg, Rudolf, Chicago, Ill. Automatic stop for dies. 2,610,686, Sept. 16.

Krasik, Sidney: *See*—
Alpert, Daniel, Krasik, and Holstein.

Krasley, Le Roy, assignee: *See*—
Beard, Edward S.

Krasñansky, Natalio, M. Sulik, P. Elliscovich, and J. Levy, Buenos Aires, Argentina. Device for nullifying combination locks. 2,591,165, Apr. 1.

Krasnow, Shelley, Arlington County, Va., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Radioactive marker. 2,592,434, Apr. 8.

Krasnow, Shelley, New York, N. Y., and L. F. Curtiss, Montgomery County, Md., assignors, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for measuring radioactivity. 2,590,873, Apr. 1.

Krasnow, Shelley, Arlington County, Va., and L. F. Curtiss, Montgomery County, Md., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Multiple element radioactive ray recording. 2,590,874, Apr. 1.

Krasnow, Shelley, Fairfax County, Va., and M. J. Test, Kansas City, Mo., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Construction of Geiger-Müller tube. 2,605,435, July 29.

Krastel, Norman W. and R. D., assignors to O. J. Krastel, Columbus, Ohio. Christmas tree clamp and supporting standard. 2,617,617, Nov. 11.

Krastel, Oscar J., assignee: *See*—
Krastel, Norman W. and R. D.

Krastel, Robert D.: *See*—
Krastel, Norman W. and R. D.

Kratt, Chris, Company, assignee: *See*—
Gaukstern, Joseph.

Kratz, Howard R.: *See*—
Lawson, James L., Kratz, and Ragan.

Kratzenberg, Edwin J., Chicago, Ill., assignor to United States Steel Company. Turning device. 2,599,846, June 10.

Kratzer, Herbert J., St. Louis, Mo. Connecting rod assembly for radial engines or like operating devices. Re. 23,593, Dec. 9.

Kratzer, Myron B.: *See*—
Hujsak, Karol L., Kratzer, and Mungen.

Kraus, George F., Camden, N. J. Fluid dispenser. 2,613,108, Oct. 7.

Kraus, Gerard, and A. Conciatori, Cincinnati, Ohio, assignors to General Motors Corporation, Detroit, Mich. Rubber to metal adhesion. 2,606,852, Aug. 12.

Kraus, John D., Newton Center, Mass., assignor to United States of America as represented by the Secretary of War. Electrical apparatus. 2,583,953, Jan. 29.

Kraus, Leon S., Peoria, Ill. Method of and apparatus for concentrating sewage sludges. 2,615,842, Oct. 28.

Kraus, Philip B., Chadds Ford, Pa., and H. H. Schaumann, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal oxide scale removal. 2,619,434, Nov. 25.

Krause, Charles F.: *See*—
Kirby, Herbert D., and Krause.

Krause, Ernst H., Cheverly, Md. Electric counting and integrating system. 2,610,793, Sept. 16.

Krause, Jack H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Sweetening hydrocarbon oils. 2,593,464, Apr. 22.

Krause, Jack H., and T. B. Tom, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Sweetening high-boiling petroleum distillates. 2,591,946, Apr. 8.

Krause, Leonard, London, and J. A. Wainwright, Spondon, near Derby, England, assignors to Celanese Corporation of America. Emulsified volatile hydrocarbon liquids as printing paste thickeners. 2,619,403, Nov. 25.

Krause, Matilde E., executrix: *See*—
Laing, Torrance R.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Draft frame. 2,596,902, May 13.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Power actuated overload release clutch. 2,612,974, Oct. 7.

Krause, Raymond S.: *See*—
Hermann, Henry E., and Krause.

Krause, Richard S., Lincolnwood, and E. H. Seibert, assignors to Autopoint Company, Chicago, Ill. Sliding blade knife. 2,601,402, June 24.

Krause, William S., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of benzidine sulfate. 2,587,861, Mar. 4.

Krauss, Carl, Chicago, Ill. Reversible window fan or ventilator. 2,620,721, Dec. 9.

Krauss, Wolfgang W.: *See*—
Whitehouse, Irving P., Krauss and Damon.

Krausz, Nicolás, Buenos Aires, Argentina. Piano keyboard regulator. 2,587,049, Feb. 26.

Krautheim, William C.: *See*—
Clarke, Allen W., and Krautheim.

Krautheim, William C., Normandy, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,592,714, Apr. 15.

Krautter, Willy F., K. Stalger, and W. I. E. Kamm, Dayton, Ohio. Pulse jet heater with automatic starting and control system therefor. 2,621,718, Dec. 16.

Kravagna, Cut: *See*—
Walden, Clarence B., and Kravagna.

Krazinski, Leo C., assignee: *See*—
Fashay, Alexander.
Hamilton, Robert P.

Kreamer, William H.: *See*—
Miller, Hugh, and Kreamer.

Krebs, John, Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for removing threaded dies from molded parts. 2,599,764, June 10.

Krebs, Luther E.: *See*—
Inglis, Alfred H., and Krebs.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,614,114, Oct. 14.

Krečan, Jaroslav, Prague, assignor of one-half to Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, Prerov, Czechoslovakia. Safety device in electrically controlled valves, fittings or the like. 2,598,062, May 27.

Krechesfky, Sam, assignee: *See*—
Roberts, Rodney E.

Kreer, John G., Jr.: *See*—
Edson, James O., and Kreer.

Kreer, John G., Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trigger circuit. 2,614,140, Oct. 14.

Krefft, Hermann E., Buenos, Aires, Argentina. Electrical discharge lamp. 2,596,697, May 13.

Kreft, Ewald, and A. Eichelberger, Jennings, Mo. Pattern marker for looms. 2,610,653, Sept. 16.

Kregiewski, Edward, Poznan, Poland. Exact placing of printing plates, made of rubber or similar material, on printing cylinders or flat printing plate supports. 2,609,749, Sept. 9.

Krehbiel, Benjamin F., assignee: *See*—
Thomas, Joseph G.

Krehbiel, Daniel E., and E. Zerger, Pretty Prairie, Kans. Emergency unchoking elevator. 2,619,218, Nov. 25.

Krehbiel, Robert D.: *See*—
Lindeman, Jesse G., Heinl, Krehbiel, and Durland.

Kreider, Marlin L.: *See*—
Schafer, Robert E., and Kreider

Kreidler, Earl M., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Repeat valve shutoff mechanism. 2,614,728, Oct. 21.

Krelmendahl, Rodney, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fastening means for structural sandwiches. 2,585,557, Feb. 12.

Krelmendahl, Rodney, North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Seal. 2,591,833, Apr. 8.

Kreiner, John E., Palatine, Ill., assignor to Edwards Company, Inc., Norwalk, Conn. Paging system. 2,612,551, Sept. 30.

Kreiner, Sylvester J., Brunswick, Ohio. Adjustable hinge. 2,615,194, Oct. 28.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Hajos, Joseph L., and Voliet.

Kreisman, Peter P., Jr., Puyallup, Wash. Raspberry picker. 2,586,834, Feb. 26.

Kreismann, Illo: *See*—
Freund, Frederick, and Kriesmann.

Kreissig, Jacob F.: *See*—
Tifft, William C., and Kreissig.

Kreitchman, Morton A., Irvington, and J. H. Tanner, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Time switch. 2,585,018, Feb. 12.

Kreithen, Alexander: *See*—
Beard, Joseph G., Harralson, and Kreithen.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Carbon black process and apparatus. 2,600,994, June 17.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Synthesis gas manufacture. 2,605,174, July 29.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Carbon black process. 2,616,794, Nov. 4.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Producing carbon black. 2,616,795, Nov. 4.

Krell, Alfred, assignor to Arma Corporation, Brooklyn, N. Y. Limit stop. 2,620,911, Dec. 9.

Kreml, John F., Baltimore, Md., assignor to Armco Steel Corporation. Electrolytic polishing of stainless steel. 2,607,722, Aug. 19.

Kreml, John F., Middletown, Ohio, assignor to Armco Steel Corporation. Electrolytic polishing apparatus. 2,616,845, Nov. 4.

Kreml, John F., assignor to Armco Steel Corporation, Middletown, Ohio. Blackening stainless steel. 2,618,578, Nov. 18.

Krengel, Charles H., Twin Falls, Idaho. Clod crushing roller. 2,582,872, Jan. 15.

Krens, Charles A., Staten Island, N. Y. Baked confection and mold for same. 2,589,823, Mar. 18.

Krens, Charles A., Staten Island, N. Y. Dispenser tube for confectionery on cakes and candles. 2,620,756, Dec. 9.

Krenzke, Fred J.: *See*—
Weddell, William M., and Krenzke.

Kresky Mfg. Co., Inc., assignee: *See*—
Miller, Clarance A.
Watts, Blaine C., Jr.

Kress, George H., Vestal, and A. W. Kapfer, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Fastening device. 2,605,871, Aug. 5.

Kress, Paul, and A. Jankel, London, England. Sign. 2,583,055, Jan. 22.

Kretschmer, Harvey A.: *See*—
Wickes, Harvey R., Bintz, Kretschmer, and Kendall.

Kretzmer, Ernest R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex modulator. 2,602,918, July 8.

Kreuger, Pieter, Bussum, assignor to N. V. Moutsulkerindustrie & Extractiebedrijf Maltostase, Weesp, Netherlands. Capsules filled with aqueous solutions and preparing the same. 2,580,683, Jan. 1.

Kreutzer, Franz: *See*—
Deuring, Karl, and Kreutzer.

Kreuz, Kenneth L., Beacon, assignor to The Texas Company, New York, N. Y. Preparing thiophene homologs. 2,621,188, Dec. 9.

Krewer, William A.: *See*—
Ayers, George W., Geerts, and Krewer.

Krewson, Charles F.: *See*—
Couch, James F., and Krewson.

Krewson, Josephine E., Muskegon, Mich. Armrest attachment for surgical tables. 2,605,152, July 29.

Krichbaum, Paul L., Brighton, Mich. Fishhook extractor. 2,586,431, Feb. 19.

Krick, Charles: *See*—
Rice, James C., and Krick.

Krida, Hugh, Upper Darby, Pa., assignor to General Electric Company. Substitute unit for circuit testing and grounding. 2,600,304, June 10.

Kridel, Donnld J.: *See*—
Wiitala, Edwin S., and Kridel.

Krieg, Anthony W., and J. Mayer, assignors to Cypress Novelty Corporation, Brooklyn, N. Y. Machine for depositing candy icing on cards. 2,610,591, Sept. 16.

Kriegbaum, George M., Richmond, Ind., assignor to International Harvester Company. Bearing and seal construction. 2,603,541, July 15.

Kriegel, Bernard: *See*—
Baker, Reuben C., and Kriegel.

Kriegel, Monroe W., Tulsa, Okla., assignor to Standard Oil Development Company. Fluid sampler for well bores. 2,595,084, Apr. 29.

Krieger, Conrad P., Jr., assignor to The Meriam Instrument Company, Cleveland, Ohio. Liquid retaining check valve. 2,603,230, July 15.

Krieger, Emil, Richmond Hill, N. Y. Garment belt. 2,587,490, Feb. 26.

Krieger, Willard: *See*—
Able, Edward T., and Krieger.

Krielaus, William, assignee: *See*—
Hopkins, Cecil D.

Krier, Robert L.: *See*—
Woodruff, Kenneth O., and Krier.

Kriewall, Fred W., Van Dyke, Mich., assignor to Leland-Gifford Company, Worcester, Mass. Hydraulic drill feed and stroke timing mechanism. 2,610,528, Sept. 16.

Kridel, Donald J., and W. J. Rogers, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of a stable cellulose nitrate having good adhesive characteristics. 2,604,471, July 22.

Krider, Lanta A., Coeur d'Alene, Idaho. Boat carrier 2,608,314, Aug. 26.

Krimmel, Carl P., Evanston, assignor to G. D. Searle & Co., Chicago, Ill. Aminoalkyl esters of N,N-diarylanthranilic acids and salts thereof. 2,596,156, May 13.

Krimmel, Carl P., Evanston, assignor to G. D. Searle & Co., Chicago, Ill. Aminoalkyl esters of α,α-diaryl-γ,δ unsaturated aliphatic acids and the production thereof. 2,619,499, Nov. 25.

Krimsky, Emanuel, Brooklyn, N. Y. Lens or glare shield attachment for spectacles. 2,598,272, May 27.

Krimstock, Harry: *See*—
Krimstock, Herman and H.

Krimstock, Herman and H., Philadelphia, Pa. Combined chair and detachable tray. 2,617,473, Nov. 11.

Kringle, Orval L., Rice Lake, Wis. Unloading assembly for wagon boxes. 2,601,618, June 24.

Krisan, George A., Riverside, Ill. Making mobile starch powders. 2,614,945, Oct. 21.

Krissel, Joseph, Brooklyn, N. Y. Portable broiler. 2,607,286, Aug. 19.

Kristenson, Nils H. B., assignor to Aktiebolaget Kristenson & Gråhs, Stockholm, Sweden. Grinder for rock drills. 2,619,779, Dec. 2.

Kristenson, Nils H. B., and S. J. E. Gråhs, deceased, by P. O. Södermark, administrator, assignors to Aktiebolaget Ekonomiregister, Stockholm, Sweden. Plural totalizer selecting mechanism. 2,620,129, Dec. 2.

Kritscher, Andrew F., Pittsburgh, Pa., assignor to National Tube Company. Entry guide for seamless tube plug rolling mills. 2,599,847, June 10.

Krizman, Frank, and C. Jonette, Dawson, Yukon Territory, Canada. Pump barrel cleaning apparatus. 2,597,937, May 27.

Krocker, Peter A., Piney, Manitoba, Canada. Window construction. 2,604,673, July 29.

Kroeckel, Alfred J., Burbank, Calif. Plural electrical conductor strip and collector. 2,619,553, Nov. 25.

Kroeger, Blanche L., Danville, Calif. Cover arrangement for swimming pools and the like. 2,580,555, Jan. 1.

Kroeger, Edward W., and J. Daugherty, Cincinnati, Ohio, assignors, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Work holding means. 2,585,944, Feb. 19.

Kroeger, Ellwyn, Le Claire, Iowa. Tree support. 2,609,169, Sept. 2.

Kroeger, Gustav H.: *See*—
Shultz, Frederick A., Gressel, Hobb, and Kroeger.

Kroehler Mfg. Co., assignee: *See*—
Gerber, George L., and Lee.
Stauffer, Edward J.

Kroeker, Sanford P.: *See*—
Lovelady, Isaac W., and Kroeker.

Kroemmelbein, Walter F., Jr., New Brunswick, N. J. Television photographic device. 2,612,824, Oct. 7.

Kroener, Elmo H., Franklin, assignor, by mesne assignments, to The Third National Bank and Trust Company of Dayton, Dayton, Ohio. Commutator assembling machine. 2,585,792, Feb. 12.

Kroenlein, Henry A., Los Angeles, Calif. Beam compass. 2,582,488, Jan. 15.

Kroenlein, Henry A., Los Angeles, Calif., assignor to The Hoover Company, North Canton, Ohio. Vacuum cleaner. 2,594,456, Apr. 29.

Kroenlein, Henry A., Rives Junction, Mich., assignor to The Hoover Company, North Canton, Ohio. Electrical switch for cylinder type vacuum cleaners. 2,616,114, Nov. 4.

Kroenlein, John J., Foster, assignor of fifty per cent to C. L. Plansoen, Sweet Home, Oreg. Food spear. 2,619,371, Nov. 25.

Kroff, Eugene: *See*—
Peterson, C. L., Kroff, and Peterson.

Kröger, Ferdinand A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Zinc sulfide phosphors containing aluminum. 2,623,857, Dec. 30.

Kröger, Ferdinand A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Zinc sulfide phosphors containing aluminum. 2,623,858, Dec. 30.

Kröger, Ferdinand A., and J. A. M. Dikhoff, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Zinc sulfide phosphors containing gallium. 2,623,859, Dec. 30.

Krogue, Eldon L., Seattle, Wash. Fish lure. 2,608,787, Sept. 2.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 2,601,662, June 24.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper apparatus. 2,623,232, Dec. 30.

Krohn, Emil F., Centerville, Mich. Holder and form duplicator for flame cutting hand torches. 2,622,328, Dec. 23.

Krohn, Harry W., Jr., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tire pressure gauge. 2,596,856, May 13.

Krohn, Henry W., Jr., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tire tread gauge. 2,619,727, Dec. 2.

Krohn, Ivar T.: *See*—
Kolka, Alfred J., and Krohn.
Shapiro, Hyman, and Krohn.

Krohn, Ivar T., Royal Oak, and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of alkyllead compounds with calcium-lead alloys. 2,594,183, Apr. 22.

Krohnert, Paul, West Hill, Ontario, Canada. Refrigerated milk delivery vehicle. 2,581,867, Jan. 8.

Krokos, Raymond M.: *See*—
Schueder, George M., Krokos, and Tracht.

Krokus, Raymond M.: *See*—
Schueder, George M., Krokus, and Nichols.

Krol, Johannes W. A.: *See*—
Dorgelo, Eduard G., Krol, and van Meurs.

Kroll, John A., Milwaukee, and G. M. Smith, Thiensville, assignors to A. O. Smith Corporation, Milwaukee, Wis. Erecting storage structures. 2,605,540, Aug. 5.

Kroll, John H., Spokane, Wash. Line holder for masons. 2,603,875, July 22.

Kroll, Joseph A., assignee: *See*—
Blough, Paul M.

Kroll, Joseph J., Royalton, Minn. Mailbox stand. 2,611,570, Sept. 23.

Kroll, Stanley A.: *See*—
Cooper, Benjamin, and Kroll.

Kromer, Arthur P., Greensbroro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic fire extinguisher. 2,598,273, May 27.

Kromer, George J., Milwaukee, Wis. Antiskid attachment. 2,608,274, Aug. 26.

Kromex Corporation, assignee: *See*—
Ziskin, Manuel S., and Billig.

Kromhout, Andrew, assignor to Elgin Softener Corporation, Elgin, Ill. Reciprocating type fluid operable motor. 2,607,323, Aug. 19.

Kromray, Viva, Argo, Ill. Lipstick and brush compact. 2,590,329, Mar. 25.

Kron, Harold O.: *See*—
Ball, Russell C., and Kron.

Kronacher, Gerald, New York, N. Y., assignor to Air Associates, Inc., Teterboro, N. J. Reversible direct current motor. 2,623,202, Dec. 23.

Kronberger, Hans, Harwell, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Arrangement for measuring or indicating the flow of fluids. 2,586,060, Feb. 19.

Kronenwetter, Harold P., South Park, Emporium, Pa., assignor to Sylvania Electric Products Inc. Automatic grid cutting machine. 2,581,960, Jan. 8.

Kronhaus, Dina, and L. Lifschutz, Los Angeles, Calif. Fishline casting device. 2,605,569, Aug. 5.

Kronhaus, Semen and L. Zollman, Los Angeles, Calif. Adjustable vehicle seat. 2,600,005, June 10.

Kronheim, Jacob, Cleveland Heights, Ohio. Seating and sleeping unit. 2,599,396, June 3.

Kroning, Erwin: *See*—
Bollmann, Martin, and Kroning.

Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., Control device. 2,587,334, Feb. 26.

Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,613,105, Oct. 7.

Kronmiller, Carl G., Minneapolis, and W. H. Gille, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Synchronous motor. 2,583,180, Jan. 22.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover for looms. 2,608,217, Aug. 26.

Kronouer, Johan G., Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Curacao, Netherlands West Indies. Dial for radio cabinet. 2,586,468, Feb. 19.

Kronouer, Johan G., and J. C. A. Recourt, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Demountable attachment structure. 2,616,136, Nov. 4.

"Kronprinz" Aktiengesellschaft fur Metallindustrie, assignee: *See*—
Schuttler, Artur.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Crown cap feeding machine. 2,621,843, Dec. 16.

Kronquist, Alfred J., Los Angeles, Calif. Portable mortis cutting tool. 2,609,849, Sept. 9.

Kronstad, Haavard, Mahoningtown, Pa. Comminuting mill with means for lateral injection of fluid thereinto. 2,582,647, Jan. 15.

Kronstein, Max, New York, N. Y. Insolubilizing and solidifying fatty acid esters of alcohols. 2,599,397, June 3.

Krontiris, Nicolas C., Athens, Greece. Steam actuated water propulsion system with rotating boiler heater. 2,618,924, Nov. 25.

Kropa, Edward L.: *See*—
Padbury, John J., and Kropa.
Pfann, Harry F., and Kropa.
Thomas, Walter M., and Kropa.
Wohnsiedler, Henry P., and Kropa.
Wohnsiedler, Henry P., Kropa, and Thomas.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of unsaturated alkyd resins and acrylamido compounds. 2,598,663, June 3.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of unsaturated amido compounds. 2,598,664, June 3.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company. Copolymers of dimethylstyrenes and vinyl cyclic compounds. 2,600,782, June 17.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of dimethylstyrenes and vinyl acyclic compounds. 2,600,783, June 17.

Kropa, Edward L., Old Greenwich, Conn., assignor to The Borden Company, New York, N. Y. Preparing solutions. 2,602,073, July 1.

Kropa, Edward L., Old Greenwich, and H. P. Wohnsiedler, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Materials produced from a polyethylene melamine. 2,582,594, Jan. 15.

Kropa, Edward L., Old Greenwich, and H. P. Wohnsiedler, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of a polyethylene melamine and an alkyd resin. 2,582,704, Jan. 15.

Kropa, Edward L., Old Greenwich, and J. J. Padbury, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Chlorofluorocarbon and making the same. 2,590,019, Mar. 18.

Kropa, Edward L., Old Greenwich, Conn., and J. P. Dunne, Richmond Hill, assignors to American Cyanamid Company, New York, N. Y. Hot-moldable copolymeric acrylonitrile compositions and molded products. 2,602,074, July 1.

Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized isocyanate compositions. 2,606,892, Aug. 12.

Kropp Forge Company, assignee: *See*—
Kropp, Roy A.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Hammer frame. 2,589,402, Mar. 18.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Safety tractor cab. 2,596,903, May 13.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Brake system for vehicles. 2,597,109, May 20.

Kropscott, Earle L., and P. H. Lipke, Jr., assignors to The Dow Chemical Company, Midland, Mich. Ethyl cellulose composition containing di-tertiary-octyl diphenyl-oxide. 2,604,413, July 22.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Truck for rail vehicles. 2,586,061, Feb. 19.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable rate spring assembly. 2,590,711, Mar. 25.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle suspension. 2,596,904, May 13.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Spring. 2,609,194, Sept. 2.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mounting for rotating bodies. 2,612,418, Sept. 30.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber spring. 2,621,923, Dec. 16.

Krotz, Alvin S., Akron, and R. R. Cowden, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company New York, N. Y. Seat having torsion spring suspension. 2,588,638, Mar. 11.

Kroyer, Karl K. K., Aarhus, Denmark. Cooking utensil. 2,618,258, Nov. 18.

Kruck, Ralph E., Clinton, Conn. Device for applying rouge to the lips. 2,604,105, July 22.

Kruckl, Charles S., assignor to Crampton Manufacturing Company, Grand Rapids, Mich. Faucet handle connection. 2,587,862, Mar. 4.

Krueger, Alfred M., Brooklyn, N. Y., and R. H. Peterson, Bergenfield, N. J., assignors to Peterson & Krueger, Inc., New York, N. Y. Memory device. 2,601,154, June 17.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing device. 2,582,705, Jan. 15.

Krueger, Alfred P., Stratford, and O. P. Erhardt, assignors to Derby Sealers, Incorporated, Derby, Conn. Tape-serving mechanism. 2,590,549, Mar. 25.

Krueger, Alfred P., Stratford, and O. P. Erhardt, assignors to Derby Sealers, Incorporated, Derby, Conn. Container package and dispenser for pressure-sensitive tape. 2,608,295, Aug. 26.

Krueger, August, Chicago, Ill. Burglar alarm system. 2,615,083, Oct. 21.

Krueger, Frank W., Saratoga, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Food processing apparatus. 2,584,473, Feb. 5.

Krueger, Frank W., Saratoga, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Food processing apparatus. 2,584,474, Feb. 5.

Krueger, Henry C., Clear Lake, Iowa. Animal restraining device. 2,582,330, Jan. 15.

Krueger and Hudepohl, assignee: *See*—
Knollman, Harry A.

Krueger, Max E., assignee: *See*—
Brumbaugh, Harold C.

Krueger, Richard H.: *See*—
Goldman, Sydney B., and Krueger.

Krueger, Rudolph E., Burbank, Calif. Pressure sealing bottle cap. 2,582,489, Jan. 15.

Krueger, Rudolph E., South Gate, Calif. Aircraft cabin pressure regulator. 2,590,330, Mar. 25.

Krueger, Rudolph E., III, Downey, Calif. Flow regulator, pressure relief valve and the like. 2,598,274, May 27.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Dispenser for pressure sensitive tape. 2,591,559, Apr. 1.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packges Incorporated. Removable tape holding cradle. 2,620,992, Dec. 9.

Krueger, Theodore H., Stratford, and E. E. Sharpe, Shelton, Conn., assignors to Better Packages Incorporated. Tape dispenser and applier. 2,594,316, Apr. 29.

Krueger, William F., Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Apparatus for determining the time of descent of instruments within boreholes. 2,599,112, June 3.

Krug, George M., assignor to Hercules Motors Corporation, Canton, Ohio. Lubricating apparatus for internal-combustion engines and the like. 2,598,801, June 3.

Krug, Louis G., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,593,899, Apr. 22.

Krug, Louis G., Evanston, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,608,425, Aug. 26.

Krug, Robert C., Yeadon, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of olefins with a boron phosphate catalyst. 2,620,364, Dec. 2.

Kruger, Cyril, New York, N. Y. Necktie rack. 2,609,934, Sept. 9.

Kruger, Cyril, New York, N. Y. Necktie rack. 2,609,935, Sept. 9.

Kruger, Guss O., Madison, S. Dak. Tree stand. 2,621,878, Dec. 16.

Kruger, Henry E., assignor to The Perfection Steel Body Company, Galion, Ohio. Panel for box type vehicle bodies. 2,584,885, Feb. 5.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Combination light distributor and wiring conduit for elongated tubular lamps. Re. 23,485, Apr. 29.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Troffer for fluorescent lighting fixtures readily attached to the framework of a ceiling. 2,597,875, May 27.

Kruithof, Jakob: *See*—
Den Hertog, Martinus, and Kruithof.

Kruithof, Jakob, Antwerp, Belgium, and L. Kozma, Budapest, Hungary, assignors to International Standard Electric Corporation, New York, N. Y. Common control circuit for operating switches rearward to calling line. 2,597,007, May 20.

Krukonis, Alexander C.: *See*—
Beatrice, Gabriel C., and Krukonis.
Cederlund, Albert, and Krukonis.

Krumhansl, James A., Norwood, R. I., and G. H. Miller, Ames, Iowa, assignors to Stromberg-Carlson Company. Pulse communication system. 2,619,632, Nov. 25.

Krumm, Thomas F., Toledo, Ohio. Wheel gauge. 2,618,072, Nov. 18.

Krupin, Philip, Orange, N. J. Doorknob with bottle opener. 2,608,889, Sept. 2.

Krupp, Carroll P.: *See*—
Katzenmeyer, Edwin B., and Krupp.

Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Panel closure assembly. 2,586,062, Feb. 19.

Krupp, Carroll P., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective case for inflatable articles. 2,609,549, Sept. 9.

Krupp, Carroll P., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible hose. 2,612,910, Oct. 7.

Kruse, Conrad E.: *See*—
Kruse, William J. and C. E.

Kruse, Ernst: *See*—
Caprez, Hans, and Kruse.

Kruse, Hugo W., Rockford, Ill. Clip storing and dispensing device. 2,611,674, Sept. 23.

Kruse, Norman F., Decatur, assignor to Central Soya Company, Inc., Fort Wayne, Ind. Soybean treating process. 2,585,793, Feb. 12.

Kruse, Theodore, assignee: *See*—
Bula, Frank J.

Kruse, William J. and C. E., Hatboro, Pa. Fruit pitter. 2,582,636, Jan. 15.

Krutter, Harry, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Directional antenna. 2,597,339, May 20.

Kruse, Andrew A., Detroit, Mich. Fishing apparatus. 2,612,712, Oct. 7.

Kruzik, Arnošt, assignor to Bata Národní Podnik, Zlin, Czechoslovakia. Machine for the homogenization of plastic masses. 2,581,031, Jan. 1.

Kubach, Oscar P., Avon Lake, Ohio, assignor to R. B. Kubach, Detroit, Mich., R. A. and W. C. Kubach, Avon Lake, and Mrs. J. Goodson, Yellow Springs, Ohio. Breakwater. 2,608,065, Aug. 26.

Kubach, Richard, assignee: *See*—
Willis, Maurice B.

Kubach, Richard A., assignee: *See*—
Kubach, Oscar P.

Kubach, Robert B., assignee: *See*—
Kubach, Oscar P.

Kubach, William C., assignee: *See*—
Kubach, Oscar P.

Kubaugh, Le Roy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Abrading roll. 2,581,934, Jan. 8.

Kubiak, Zygmunt, and F. Nock, Cleveland, Ohio. Live bait casting device. 2,607,152, Aug. 19.

Kubicek, William G.: *See*—
Holt, George W., and Kubicek.

Kubico, Michael A.: *See*—
Gresham, William F., and Kubico.

Kubisiak, Chester S., Wisconsin Rapids, Wis. Conveyer carrier bar. 2,588,984, Mar. 11.

Kublanow, Joseph, Pittsburgh, Pa. Storm window structure. 2,618,818, Nov. 25.

Kucera, Joseph B., Traer, Iowa. Dual wheel steering system. 2,617,661, Nov. 11.

Kucera, Peter, Allison Park, Pa. Press drive for vitreous materials. 2,598,564, May 27.

Kucewicz, Joseph, Cleveland, Ohio. Fishing pole signal. 2,601,839, July 1.

Kuchel, Joe, Arlington, Va. Bottle crate and liner therefor. 2,591,266, Apr. 1.

Kuchel, Joseph C., Arlington, Va. Bottle carrier. 2,615,749, Oct. 28.

Kuchler, George T., Brooklyn, N. Y. Cold air retaining device for refrigerators. 2,585,136, Feb. 12.

Kucinski, Bruno: *See*—
Fields, Herbert P., and Kucinski.

Kucki, Vincent S., Chicago, Ill. Liquid measuring device. 2,620,947, Dec. 9.

Kudelski, Stefan M., Geneva, Switzerland. Watch. 2,582,706, Jan. 15.

Kudelski, Stefan, assignor to Hydro-Nitro S. A., Geneva, Switzerland. Air ionizing device for air conditioning purposes. 2,617,860, Nov. 11.

Kuder, Robert C.: *See*—
Boutelle, Allen O., and Kuder.

Kuebler, Carl J. J., Evansville, Ind Adjustable chair. 2,603,275, July 15.

Kuebler, Robert A., Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for coating internal surfaces of hollow glassware. 2,586,348, Feb. 19.

Kuebler, Robert A., University Heights, Ohio, assignor to General Electric Company. Tubular lamp tipping-off apparatus. 2,618,903, Nov. 25.

Kuefner, Herbert H., Des Moines, Iowa. Plant marker. 2,595,530, May 6.

Kueger, John, West Caldwell, N. J., assignor to The Edwal Laboratories, Inc., Ringwood, Ill. Preparation of symmetrical trihydroxy benzene compounds. 2,614,126, Oct. 14.

Kuehl, Paul B.: *See*—
Zander, Harold O., and Kuehl.

Kuehlthau, John L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Armature coil lead arrangement for reducing coronas. 2,593,900, Apr. 22.

Kuehn, Harry E., Albany, N. Y. Can opening and contents dispensing device. 2,588,541, Mar. 11.

Kuehne, Herbert A., Maywood, Ill., assignor to American Can Company, New York, N. Y. Apparatus for measuring and detecting magnetic objects. 2,587,631, Mar. 4.

Kuehnel, Henry A., Santa Monica, Calif. Fish lure. 2,612,717, Oct. 7.

Kuemmerlein, Edward M., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Centrifugal governor. 2,580,556, Jan. 1.

Kuemmerlein, Edward M., Wauwatosa, and C. A. Newland, Waukesha, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Overspeed trip valve mechanism. 2,611,382, Sept. 23.

Kuenning, Robert W.: *See*—
Alexanderson, Ernst F. W., Mittag, and Kuenning.

Kuenzli, Walter A.: *See*—
Ashby, Carl T., Kuenzli, and Miller.

Kuestner, Alfred E. E., Trenton, N. J. Sod unit. 2,605,589, Aug. 5.

Kuett, Kenneth H.: *See*—
Gottscho, Ira S., and Kuett.

Kufel, Stanley, Jr.: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.

Kugler's Radio Service, Inc., assignee: *See*—
Kugler, Robert G.

Kugler, Robert G., assignor to Kugler's Radio Service, Inc., Springfield, Ohio. Turntable construction. 2,583,954, Jan. 29.

Kuh, Erwin: *See*—
Parker, Robert P., Seeger, and Kuh.

Kuh, Erwin, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing beta-bromo, alpha chloro, beta-formyl acrylic acid. 2,588,852, Mar. 11.

Kuh, Erwin, New Brunswick, and H. W. Stewart, Plain-field, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing nitromalonaldehyde and salts thereof. 2,606,931, Aug. 12.

Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Railway car. 2,595,858, May 6.

Kuhler, Otto A., Blauvelt, N. Y., and W. E. Burnett, Mont-clair, N. J., assignors to American Car and Foundry Company, New York, N. Y. Rail car. 2,612,121, Sept. 30.

Kuhlik, Hattie B., assignee: *See*—
Kuhlik, Jacob M.

Kuhlik, Jacob M., Brooklyn, assignor to H. B. Kuhlik, Sea Gate, N. Y. Sound-on-film recording and reproducing machine. 2,586,666, Feb. 19.

Kuhlik, Jacob M., Brooklyn, N. Y. Sound recording and reproducing machine. 2,606,766, Aug. 12.

Kuhlman Electric Co., assignee: *See*—
Holmgren, Eric L.

Kuhlow, Herbert F., Park Ridge, assignor to Ampro Cor-poration, Chicago, Ill. Safety device for magnetic record erasing. 2,595,197, Apr. 29.

Kuhlthau, Alden R.: *See*—
Ney, Edward P., Hereford, Whitehead, and Kuhlthau.

Kuhn, Clarence W.: *See*—
Kople, Robert L., and Kuhn.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Ham-mer, Inc., Milwaukee, Wis. Thermostatic controller mounting. 2,606,061, Aug. 5.

Kuhn, Elmer L., assignee: *See*—
Svirsky, Bennett.

Kuhn, Frank W.: *See*—
Thomas, Laurence H., and Kuhn.

Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Re-fining Company, New York, N. Y. Apparatus for the catalytic conversion of hydrocarbons. 2,590,980, Apr. 1.

Kuhn, Henry S., Park Ridge, Ill., assignor to F. N. Bard. Joint for molds. 2,590,776, Mar. 25.

Kuhn, Lee B., Brooklyn, N. Y. Book-page and letter sheet marker. 2,584,389, Feb. 5.

Kuhn, Leroy B., Pottstown, Pa., assignor to The Fire-stone Tire & Rubber Company, Akron, Ohio. Rubber to metal adhesive comprising dichlorobutadiene resin and a chlorinated elastomer and use thereof. 2,581,920, Jan. 8.

Kuhnl, Leopold K., Stratford, Conn. Pocket perfume atomizer. 2,619,096, Nov. 25.

Kuhns, William L., Clayton, N. Mex. Stock dipping hook. 2,603,185, July 15.

Kuipers, Gerard, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Stereoplotting method and apparatus. 2,589,824, Mar. 18.

Kuka, George J., assignor to Lockheed Aircraft Corpora-tion, Burbank, Calif. Retractable rocket launcher. 2,591,834, Apr. 8.

Kükenthal, Hans: *See*—
Schrader, Gerhard, and Kükenthal.

Kulbersh, Nathan, West Haven, assignor to Sargent & Company, New Haven, Conn. Door latch. 2,193,573, Apr. 22.

Kulczycki, Karol, Brooklyn, N. Y., assignor, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Bobbin battery indexing mechanism. 2,611,394, Sept. 23.

Kulczycki, Karol, Brooklyn, N. Y., assignor, by mesne as-signments, to Steel and Alloy Tank Company, Newark, N. J. Bobbin transfer mechanism. 2,617,448, Nov. 11.

Kulczycki, Karol, and W. D. Lowe, Jersey City, assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Warp tension compensator. 2,589,498, Mar. 18.

Kulikowski, Edwin F., Mount Rainier, Md. Antenna system. 2,623,999, Dec. 30.

Kuljian Corporation, The, assignee: *See*—
Kuljian, Harry A.

Kuljian, Harry A., Merion, Pa. Filament storing and advancing reel. 2,603,853, July 22.

Kuljian, Harry A., Merion, Pa. Filament storing and advancing reel. 2,609,587, Sept. 9.

Kuljian, Harry A., Merion, Pa. Synthetic thread manufacturing apparatus. 2,613,451, Oct. 14.

Kuljian, Harry A., Merion, Pa. Apparatus for manufacture of threads. 2,616,155, Nov. 4.

Kuljian, Harry A., Merion, assignor to The Kuljian Cor-poration, Philadelphia, Pa. Thread advancing reel. 2,618,836, Nov. 25.

Kullgren, Bjarne C. J., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Alkaline accumulator. 2,616,937, Nov. 4.

Kulp, Harry W., Lancaster, Pa., assignor to K-D Manu-facturing Company. Valve keeper inserter. 2,608,116, Aug. 26.

Kulp, Lester C., and E. C. Van Buskirk, South Bend, Ind., and B. A. Hunter, Oxford, Conn., assignors to United States Rubber Company, New York, N. Y. Making gas-expanded organic plastics. 2,621,161, Dec. 9.

Kulp, Maurice P., Marcus Hook, Pa., and C. D. Vanden-burgh, Charlestown, Md., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for producing viscose. 2,622,855, Dec. 23.

Kumins, Charles A., Brooklyn, N. Y., and G. R. Greening, Radburn, N. J., assignors to Interchemical Corporation, New York, N. Y. Producing silica powder. 2,588,853, Mar. 11.

Kumins, Charles A., Tuckahoe, assignor to Interchemical Corporation, New York, N. Y. Inorganic pigment. 2,607,705, Aug. 19.

Kumler, Joseph E., assignor to Ranco Incorporated, Columbus, Ohio. Thermostatic snap switch. 2,623,138, Dec. 23.

Kummer, Ernest W., Denver, Colo. Game board pocket with ball removing device. 2,623,749, Dec. 30.

Kummeth, Frank J., Owatonna, Minn. Nesting box. 2,612,864, Oct. 7.

Kumnick, Martin J., Englewood Cliffs, N. J. Water closet. 2,599,765, June 10.

Kunda, John J., Milwaukee, Wis. Smoking pipe. 2,586,965, Feb. 26.

Kundtz, Louvenia L. and T. S., Miami, Fla. Folding chair. 2,620,859, Dec. 9.

Kundtz, Theodore S.: *See*—
Kundtz, Louvenia L. and T. S.

Kunes, John, Chicago, Ill. Bathtub headrest. 2,592,160, Apr. 8.

Kunetz, Géza, Issy-les-Moulineaux, assignor to Compagnie Generale de Geophysique, Latour Maubourg, Paris, France. Electrical investigation of the ground. 2,586,667, Feb. 19.

Kunetz, Géza, Issy-les-Moulineaux, assignor to Compagnie Generale de Geophysique, Paris, France. Electric prospection of the subsoil. 2,623,097, Dec. 23.

Kunkel, Frank H., Des Plaines, Ill. Level for trailers. 2,605,553, Aug. 5.

Kuniholm, Carl A., Gardner, Mass., assignor to Annett Box Company, Jaffrey, N. H. Folding play yard. 2,610,331, Sept. 16.

Kuniholm, Martin L., Worcester, and J. Klar, West Boyls-ton, assignors to The Heald Machine Company, Worcester, Mass. Internal grinding machine. 2,612,008, Sept. 30.

Kunneman, John, Kingfisher, Okla. Scoop and rear apron adjustment for carry-type scrapers. 2,607,137, Aug. 19.

Kuns, Raymond L., assignee: *See*—
Witz, George E.

Kuntke, Alfred, Hamburg-Wellingsbuttel, Germany, as-signor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray apparatus. 2,617,047, Nov. 4.

Kuntz, Robert H., Carbondale, Ill. Air regulator valve. 2,599,398, June 3.

Kuntz, William H., Dayton, Ohio. Irreversible control linkage. 2,617,308, Nov. 11.

Kuntz, William H., Dayton, Ohio. Variable drag coupling. 2,617,506, Nov. 11.

Kunz, Althea W., Minneapolis, Minn. Coverall garment. 2,588,542, Mar. 11.

Kunz, Bernard P., Denver, Colo. Airport service station. 2,583,181, Jan. 22.

Kunz, Earl H.: *See*—
Yackley, Edward G., Young, and Kunz.

Kunz, Eric C., Montclair, and A. T. Fiore, Teaneck, N. J., assignors to The Givaudan Corporation. Production of fatty alcohols. 2,590,105, Mar. 25.

Kunz, Friedrich, Lucerne, Switzerland. Sliding abutment type rotary internal-combustion engine. 2,608,960, Sept. 2.

Kunz, Georges, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,598,001, May 27.

Kunz, Jacob T., North Hills, assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa. Electric bell tone generator mechanism. 2,582,441, Jan. 15.

Kunz, Jacob T., North Hill, assignor to Schulmerich Elec-tronics, Incorporated, Sellersville, Pa. Musical instrument. 2,606,474, Aug. 12.

Kunz, Jacob T., North Hills, assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa. Musical instrument. 2,622,467, Dec. 23.

Kunz, Paul A., Geneva, Switzerland, assignor to Mefina S. A., Binningen. Tumbler lock plug. 2,587,739, Mar. 4.

Kunz, Walter R., Fredericksburg, Va., assignor to Ameri-can Viscose Corporation, Wilmington, Del. Forming a food package. 2,607,696, Aug. 19.

Kunz, William R., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Cartridge belt assembly tool. 2,608,900, Sept. 2.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion. 2,588,543, Mar. 11.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Compositions containing polyvinyl acetate and alkyl-substituted urea. 2,595,796, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing a polyalkylene glycol. 2,595,952, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an alkoxy glycol ether, and a base coated therewith. 2,595,953, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an aliphatic carboxylic acid, and base coated therewith. 2,595,954, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an alkyl amide, and base coated therewith. 2,595,955, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an alkoxy acetate, and base coated therewith. 2,595,956, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an aromatic amide, and a base coated therewith. 2,595,957, May 6.

Kunzler, Fred E., Jamaica, N. Y. Apparatus for scribing. 2,594,457, Apr. 29.

Kunzler, William S.: *See*—
Weber, Victor, and Kunzler.

Kunzmann Chain Co., assignee: *See*—
Kunzmann, Siegfried C., and England.

Kunzmann, Siegfried C., Smithfield, and A. J. England, assignors to Kunzmann Chain Co., Providence, R. I. Double-link chain machine. 2,617,250, Nov. 11.

Kuper, James B. H.: *See*—
Van Voorhis, Stanley N., Kirby-Smith, and Kuper.

Kuper, James B. H., Redding, Conn., and M. C. Waltz, Damariscotta, Maine, assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Ultrahigh-frequency noise generator. 2,597,340, May 20.

Kupersmit, Julius B., Brooklyn, N. Y. Cubic size calculator. 2,617,591, Nov. 11.

Kupfer, Max, assignee: *See*—
Hess, Morris.

Kuplec, Harry P., Paramus, assignor to Air Associates, Incorporated, Teterboro, N. J. Hydraulic booster for controlling operational parts of aircraft. 2,605,750, Aug. 5.

Kupka, Edward, Buckley, Wash. Tongs having releasable load engaging tines. 2,596,857, May 13.

Kupka, John J., Gladstone, N. J., assignor to Jupiter Steam Appliances, Inc., New York, N. Y. Valve chest insert for pressure fluid operated reciprocating engines. 2,593,037, Apr. 15.

Kuppenheimer, John D., assignor to Riley Stoker Cor-poration, Worcester, Mass. Superheating and reheating of vapor. 2,602,433, July 8.

Kuppenheimer, John D., assignor to Riley Stoker Corpora-tion, Worcester, Mass. Control of steam temperature. 2,615,435, Oct. 28.

Kupper, William H., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Case shifting mechanism and repeat typing mechanism for power-operated typewriters and like machines. 2,590,777, Mar. 25.

Kupper, William H., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Repeat typing mechanism for power-operated typewriters and like machines. 2,620,056, Dec. 2.

Kupper, William H., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Tabulating mechanism for typewriters or like machines. 2,620,057, Dec. 2.

Kupski, Joseph: *See*—
Oliver, Conrad J., and Kupski.

Kurata, Fred, Lawrence, Kans., assignor to Kask Techni-cal Corporation, Jackson Heights, N. Y. Atomizing nozzle. 2,612,406, Sept. 30.

Kurata, Fred, Lawrence, Kans., assignor to Kask Techni-cal Corporation, Jackson Heights, N. Y. Atomizing nozzle. 2,612,408, Sept. 30.

Kurie, Franz N. D., La Jolla, Calif., assignor to United States of America as represented by the Secretary of the Navy. Transducer construction and method. 2,589,403, Mar. 18.

Kuriloff, Arthur H.: *See*—
Ransom, Maurice R., and Kuriloff.

Kuring, William A., La Crescenta, and B. A. Erickson, Glendale, Calif. Combination weighing and mixing machine. 2,609,172, Sept. 2.

Kuriyama, Fred Y., Waianae, Oahu, Territory of Hawaii. Ornamental aquarium. 2,595,085, Apr. 29.

Kuriyama, Fred Y., Waianae, Oahu, Territory of Hawaii. Necktie mount. 2,620,482, Dec. 9.

Kurkjian, Yervant H., Clifton, N. J. Automatic indicating means for photographic film holders. 2,582,044, Jan. 8.

Kurkjian, Yervant H., Clifton, N. J. Registering and assembling unit for films and mounts therefor. 2,596,253, May 13.

Kurkjian, Yervant H., Clifton, N. J. Magnetic nail-holding hammer. 2,597,876, May 27.

Kurkjian, Yervant H., Clifton, N. J. Flush tank valve. 2,607,924, Aug. 26.

Kurkjian, Yervant H., Clifton, N. J. Plunger type disposable medicament container. 2,616,423, Nov. 4.

Kurland, Jerome J., Chicago, and Joseph J. Kurland, Glen-coe, Ill. Hermetically sealed electrical device. 2,623,101, Dec. 23.

Kurland, Joseph J.: *See*—
Kurland, Jerome J. and Joseph J.

Kurland, Maurice L., assignee: *See*—
Kayser, Allan J.

Kurland, William, Great Neck, N. Y. Brassière. 2,585,137, Feb. 12.

Kurlander, John H., Nutley, N. J., assignor to Westing-house Electric Corporation, East Pittsburgh, Pa. Multilenticular collimating gun sight device and optical system. 2,600,662, June 17.

Kurlash Company, Inc., The, assignee: *See*—
Tuttle, William R., and Beldue.

Kurrus, Harry J., assignee: *See*—
Grey, George.

Kurshan, Jerome, Princeton, N. J., assignor to Radio Cor-poration of America. Gas tube input circuit. 2,603,766, July 15.

Kurshan, Jerome, Princeton, N. J., assignor to Radio Cor-poration of America. Magnetron oscillator. 2,617,965, Nov. 11.

Kurshan, Jerome, Princeton, N. J., assignor to Radio Cor-poration of America. Voltage regulator system. 2,624,038, Dec. 30.

Kurshan, Jerome, Princeton, N. J., and L. P. Smith, Ithaca, N. Y., assignors to Radio Corporation of America. Magnetron. 2,585,794, Feb. 12.

Kurth, Matthew G., Madison, Wis. Mixing nozzle. 2,591,364, Apr. 1.

Kurtis, Alan A.: *See*—
Berggren, Lloyd E., and Kurtis.

Kurtz, Andrew, Allentown, Pa. Antiskid device. 2,585,795, Feb. 12.

Kurtz, Edward J.: *See*—
Bruins, Paul F., and Kurtz.

Kurtz, Jacob, Teaneck, N. J., assignor, by mesne assign-ments, to Sylvania Electric Products, Inc., New York, N. Y. Tungsten alloy. 2,600,995, June 17.

Kurtz, Jacob, Teaneck, N. J. Hard metal compositions. 2,607,676, Aug. 19.

Kurtz, Lowell M., Erie, Pa., assignor to General Electric Company. Compressor shaft assembly. 2,588,126, Mar. 4.

Kurtz, Ralph W., Coshocton, Ohio, assignor to James B. Clow & Sons, Chicago, Ill. Centrifugal casting machine. 2,586,349, Feb. 19.

Kurtz, Robert A., Fostoria, Ohio. Crash barrier for vehicle passengers. 2,586,063, Feb. 19.

Kurtzon, George B., Chicago, Ill., assignor to Garden City Plating & Manufacturing Co. Drawer slide. 2,614,022, Oct. 14.

Kurz, Fredrik W. A., Nybro, Sweden. Producing articles of glass. 2,610,444, Sept. 16.

Kurzen, John G., Jr., assignor to Watch Tower Bible and Tract Society Inc., Brooklyn, N. Y. Sound-reproducing apparatus. 2,622,883, Dec. 23.

Kurzweil, Robert, Kew Gardens, assignor to Morey Ma-chinery Co. Inc., Long Island City, N. Y. Hydraulically operated headstock center. 2,612,071, Sept. 30.

Kushner, Israel, assignee: *See*—
Grubelic, Nicholas.

Kushner, Joseph B., Brooklyn, N. Y. Electrolytically processing metallic articles. 2,592,810, Apr. 15.

Kusold, Charles: *See*—
Cohn, David, and Kusold.

Kusold, Charles, Ridgewood, N. Y., assignor to Margon Corporation, Newark, N. J. Doll head with movable eyes. 2,601,742, July 1.

Kuss, Max J., Brimfield Township, Portage County, Ohio. Grain cooling and screening means. 2,623,634, Dec. 30.

Kuss, Theodore M., San Francisco, and R. D. Russell, Oakland, Calif. Deep water oil well drilling system. 2,586,966, Feb. 26.

Kusters, Norbert L., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Sorting machine for paper forms. 2,620,924, Dec. 9.

Kusto, Thaddeus J.: *See*— McCoy, Rawley D., and Kusto.

Kuta, Stanley C., Cedar Rapids, Iowa. Portable boring machine. 2,617,455, Nov. 11.

Kutchukian, Nourhan, Bois-Colombes, France. Combination timing and computing apparatus. 2,597,341, May 20.

Kuthe, Herman K., Neshanic, and R. H. Bloemeke, Nutley, N. J., assignors to the United States of America as represented by the Secretary of the Army. Three-element thermionic tube structure. 2,611,112, Sept. 16.

Kutik, Louis F., East Paterson, N. J., assignor to St. Regis Paper Company, New York, N. Y. Apparatus for molding thermoplastic materials. 2,582,260, Jan. 15.

Kutik, Louis F., Fair Lawn, N. J. Method of and apparatus for making brushes. 2,592,296, Apr. 8.

Kutik, William R., Jr., Butler, and J. Goodman, Fair Lawn, N. J. Carburetor. 2,603,467, July 15.

Kut-Kwick Tool Corporation, assignee: *See*— McKinstry, Alston R.

Kutz, Arthur O., Buffalo, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill. Clutch with removable lining. 2,588,985, Mar. 11.

Kutz, Walter M. *See*— Corson, Ben B., and Kutz.

Kutzler, Robert J., and T. J. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pilot. 2,590,020, Mar. 18.

Kux, Albert S., assignor to Kux Machine Co., Chicago, Ill. Automatically transferring and metering charges of molten metal. 2,582,137, Jan. 8.

Kux, Albert S., assignor to Kux Machine Company, Chicago, Ill. Hydraulic pressure booster. 2,608,059, Aug. 26.

Kux, Albert S., assignor to Kux Machine Co., Chicago, Ill. Automatic ladling means. 2,611,939, Sept. 30.

Kux Machine Co., assignee: *See*— Kux, Albert S.

Kuyvenhoven, Arend W., Richmond, England, assignor to "Brevets Aero-Mecaniques," S. A., Geneva, Switzerland. Gyroscopic stabilizing apparatus. 2,586,469, Feb. 19.

Kuzmich, John, assignee: *See*— Kuzmich, Stephen, Jr.

Kuzmich, Stephen, Jr., assignor of thirty per cent to J. Kuzmich, Bayonne, N. J. Fire alarm. 2,600,006, June 10.

Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing monomeric stable methylolphenol compositions. 2,609,352, Sept. 2.

Kvarnegård, Sven B. D., Lilla Essingen, Sweden. Plural master sheet securing means for rotary duplicating machines. 2,604,847, July 29.

Kvederis, Paul, Chicago, Ill. Foundry molding machine. 2,599,262, June 3.

Kvetinskas, Bruno: *See*— Pines, Herman, and Kvetinskas. Pines, Herman, Kvetinskas, and Ipatieff.

Květoň, Rudolf, Strelske Hostice, Czechoslovakia. Production of synthetic compositions utilizing horn meal or neat's-foot meal. 2,610,159, Sept. 9.

Kwierant, Ernest E.: *See*— Ericson, Donald E., and Kwierant.

Kwikform Limited, assignee: *See*— Hawes, Albert H.

Kwikset Locks, Inc., assignee: *See*— Josephson, Robert R. Schoepe, Adolf.

Kwizz Kard Company, assignee: *See*— Bard, Calvin.

Kyle, James C.: *See*— Byrne, Paul F., and Kyle.

Kyle, Joseph H., Lancaster, J. Q. Adams, and W. C. Brunner, Manheim Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Festooning device. 2,620,183, Dec. 2.

Kyle, Samuel C., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Pumping jack. 2,582,836, Jan. 15.

Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to McGraw Electric Company. Automatic reclosing circuit breaker. Re. 23,532, Aug. 5.

Kymin Osakeyhtiö-Kymmene Aktiebolag: *See*— Sevón, Johan W., and Sundman.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. N-(2-thenyl)-substituted ethylene diamines. 2,581,868, Jan. 8.

Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. N-(5-halo-2-thenyl) substituted ethylenediamines. 2,581,869, Jan. 8.

Kysor Heater Company, assignee: *See*— Ferris, David R.

L M L Engineering & Manufacturing Corporation, assignee: *See*— Schubert, Milton V., Jr., Langohr, and Badskey. Schubert, Milton V., Jr., Langohr, Manago, Jr., and Badskey.

La Cellophane, assignee: *See*— Drisch, Nicolas, and Herrbach. Veyret, Louis.

La Cellulose Du Pin, assignee: *See*— Arnaud, Jean C. Michon, Jacques B. M.

La Nationale S. A., assignee: *See*— Zellweger, Conrad.

"La Radio Industrie" S. A., assignee: *See*— De France, Henri G., and Ernyei.

La Reliephographie, Societe pour l'Exploitation de Procedes de Photographie en Relief Maurice Bonnet, assignee: *See*— Bonnet, Maurice.

La Societe "Pyral" S. A. R. L., assignee: *See*— St. Hilaire, Albert B.

La Soudure Electrique Autogene S. A., assignee: *See*— Colinet, Rene D.

Laabs, Gustave H., Morris, assignor to Morris Paper Mills, Chicago, Ill. Container assembling apparatus. 2,584,718, Feb. 5.

Laase, Charles A., Genoa, assignor to The Timken Roller Bearing Company, Canton, Ohio. Groove dressing tool. 2,589,191, Mar. 11.

Lab, Leo H., Flint, Mich. Flooring jack. 2,589,404, Mar. 18.

La Barber, James P., Oakland, Calif. Pad holder with a straight edge. 2,623,324, Dec. 30.

La Barre, Arthur, Akron, Ohio. Handle attachment for brushes. 2,598,063, May 27.

Labastie, Albert H., West Medford, Mass., assignor to General Electric Company. Dynamoelectric machine commutator. 2,606,220, Aug. 5.

Labat, Lawrence M., New Orleans, La. Oyster chock. 2,612,653, Oct. 7.

L'Abée-Lund A./S., assignee: *See*— L'Abée-Lund, Johan H.

L'Abée-Lund, Johan H., assignor to L'Abée-Lund A./S., Nordstrand near Oslo, Norway. Motion transmitting mechanism. 2,610,410, Sept. 16.

Labin, Emile: *See*— Deloraine, Edmond M., and Labin.

Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Distributor tube construction. 2,607,903, Aug. 19.

Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for prebreaking, gluing, folding, delivering, and stacking creased carton blanks. 2,589,944, Mar. 18.

Laboratory Equipment Corporation, assignee: *See*— Schultz, Carl E.

Laboratory Furniture Company, Inc., assignee: *See*— Liptay, John M. Restivo, Angelo.

Labounsky, Vladimir N., New York, N. Y. Key puller. 2,607,110, Aug. 19.

La Bour Company, Inc., The, assignee: *See*— La Bour, Harry E.

La Bour, Harry E., assignor to The La Bour Company, Inc., Elkhart, Ind. Shaft connection. 2,599,333, June 3.

La Bour, Harry E., Elkhart, Ind. Liquid sealed centrifugal pump. 2,603,160, July 15.

La Bour, Harry E., Elkhart, Ind. Centrifugal pump. 2,621,600, Dec. 16.

Labour, Jean P., Washington, D. C., assignor to Gasoline Research Industrial & Commercial Company, Inc., Panama, Panama. Obturator for high viscosity liquids. 2,614,789, Oct. 21.

Labrecque, Joseph, Montreal, Quebec, Canada. Antiglare device for motor vehicles. 2,616,756, Nov. 4.

La Briere, Nelson W., Canton, assignor to The Hoover Company, North Canton, Ohio. Filter attachment for suction cleaners. 2,594,458, Apr. 29.

Labus, Otto A., assignor to The Trane Company, La Crosse, Wis. Heat exchanger. 2,611,584, Sept. 23.

Labus, Otto A., assignor to The Trane Company, La Crosse, Wis. Adjustable air distributor. 2,621,578, Dec. 16.

Lace, Donald A.: *See*— Orsatti, Ernest R., and Lace.

Lace, Donald A., Highland Park, Ill. Electromagnetic pulsing device. 2,617,950, Nov. 11.

Lacene Manufacturing Company, assignee: *See*— Baumeister, George R. Thomas, Charles C.

Lacerda, Harry A., Los Angeles, assignor of one-half to M. G. Eggett, Trona, Calif. Rail spike. 2,605,670, Aug. 5.

Lacerenza, Joseph A., New York, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam generator with double outlet furnace. 2,590,712, Mar. 25.

La Cesa, Joseph, Chicago, Ill. Coil winding apparatus. 2,609,163, Sept. 2.

Lacey, Edward, Los Angeles, Calif. Multiplex antenna distribution system. 2,611,895, Sept. 23.

Lacey, Eleanor E.: *See*— Harkness, Reed B., and Lacey.

Lacey, Felix E., and W. M. Leaders, assignors to Swift & Company, Chicago, Ill. Manufacture of fatty acids. 2,602,808, July 8.

Lacey, Richard N.: *See*— Cooper, Leslie E., and Lacey.

Lacher, Carl J., Cleveland, Ohio. Luggage container. 2,613,847, Oct. 14.

Lacher, Irvin W., Columbus, Ohio. Testing apparatus for voltage regulators for automative vehicles. 2,598,802, June 3.

Lachmund, William J., Brooklyn, N. Y. Faucet drill and faucet seat reamer. 2,606,463, Aug. 12.

Lachowicz, Stanley F., assignor to Landers, Frary & Clark, New Britain, Conn. Sectional range. 2,612,590, Sept. 30.

Lackey, Alan D.: *See*— Skillman, Thomas S., and Lackey.

Lackoff, Sam K.: *See*— Axelrod, Albert, Lackoff, and McLaughlin.

Lackritz, Samuel J., assignor to Kee Zipper Corporation, New York, N. Y. Slide for hookless fasteners. 2,590,106, Mar. 25.

Lackritz, Samuel J., assignor to Kee Zipper Corporation, New York, N. Y. Hookless fastener device. 2,590,107, Mar. 25.

Laclede-Christy Clay Products Company, assignee: *See*— Williamson, Daniel W.

Laclede-Christy Company, assignee: *See*— Weber, Herman W.

Lacombé, Antoine E., New York, N. Y., assignor to Shell Development Company, San Francisco, Calif. Decomposition product deposit reduction. 2,592,435, Apr. 8.

La Coste, Lucien, and A. Romberg, Austin, Tex. Force measuring device. 2,589,709, Mar. 18.

La Coste, Lucien J. B., and A. Romberg, Austin, Tex. Force measuring device. 2,589,710, Mar. 18.

Lacoste, Paul C., deceased, Montrouge; V. Lestant, heiress of the estate of said Lacoste, assignor to Andre Ader, Paris, France. Carburetor. 2,606,751, Aug. 12.

La Crosse, Arthur E., Springfield, Ill. Hair trimming attachment for shears. 2,593,574, Apr. 22.

Lacy, Benjamin F., and F. O. Reichardt, Columbus, Ohio, assignors to Pollock Paper Corporation, Dallas, Tex. Paper dispenser. 2,580,684, Jan. 1.

Lacy, Harry L., Philadelphia, Pa., and M. L. Lacy, Dundalk, Md. Changeable color automobile body. 2,596,566, May 13.

Lacy-Hulbert, Cyril, and A. V. Barton, assignors to Simplex Electric Company, Limited, Oldbury, England. Making electric heating elements. 2,591,442, Apr. 1.

Lacy, Kenneth B., Highland Park, and W. E. Janness, Wheeling, assignors to Lighting Products, Inc., Highland Park, Ill. Electric lighting fixture for elongated tubular lamps. 2,597,739, May 20.

Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave producing circuit. 2,621,295, Dec. 9.

Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Off-channel squelch circuit for radio receivers. 2,589,711, Mar. 18.

Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuit. 2,601,403, June 24.

Lacy, Mount L.: *See*— Lacy, Harry L. and M. L.

Lacy, Robert, Baltimore, Md. Marine structure. 2,597,110, May 20.

Lacy, Roy, Los Angeles, J. D. Rossier, Compton, and C. V. McClintock, deceased, by H. C. McClintock, executrix, Los Nietos, assignors to Pacific Clay Products, Los Angeles, Calif. Machine for forming clay pipes with bell-shaped ends. 2,591,267, Apr. 1.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Dihalo-alkenyl alkenoates. 2,594,184, Apr. 22.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Olefin-DDT reaction products. 2,609,402, Sept. 2.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Dialkyl bicyclo [2.2.1]-5-heptene-2-phosphonates. 2,611,784, Sept. 23.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Halogenoalkanenitriles. 2,615,915, Oct. 28.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Chlorinated epoxy compounds. 2,616,899, Nov. 4.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of 4-halogeno-2-butenoic acids. 2,618,654, Nov. 18.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Omega trichloropentyl derivatives of cyanoacetic, malonic, and acetoacetic esters. 2,619,498, Nov. 25.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of diketones. 2,621,212, Dec. 9.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Adduct of dialkyl esters of an alkene phosphonic acid with hexachloro cyclopentadiene. 2,622,096, Dec. 16.

Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Dihalogeno propenyl aryl ethers. 2,594,935, Apr. 29.

Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Aminophosphono-halo-alkanals and preparation thereof. 2,597,938, May 27.

Ladd, Elbert C., and H. W. Paxton, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Beta substituted gamma lactones. 2,598,803, June 3.

Ladd, Elbert C., Passaic, and L. Y. Kiley, Hasbrouck Heights, N. J., assignors to United States Rubber Company, New York, N. Y. Reaction products of trichloromethane sulfonyl chloride with alkenyl aromatic compounds. 2,606,213, Aug. 5.

Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Reaction products of nuclearly polyhalogenated quinonoid compounds and trialkyl phosphites and making same. 2,609,376, Sept. 2.

Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Preparing polyhalogenoalkenyl compounds. 2,613,221, Oct. 7.

Laddon, Isaac M., and T. P. Hall, San Diego, Calif. Bomb handling means. 2,621,565, Dec. 16.

Ladell, Emil, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Induction stirrer. 2,620,366, Dec. 2.

Ladenthin, Lawrence E., assignee: *See*— Kounkel, Lloyd M.

Ladewig, Archie, Co., assignee: *See*— Ladewig, Archie E.

Ladewig, Archie E., assignor to Archie Ladewig Co., Waukesha, Wis. Bottle feeding mechanism for washing machines. 2,614,678, Oct. 21.

Ladisch, Rolf K., Drexel Hill, Pa. Filaments containing fillers. 2,612,679, Oct. 7.

Lado, Anthony L., assignor, by mesne assignments, to Rome Grader Corporation, Rome, N. Y. Hydraulic control mechanism. 2,607,321, Aug. 19.

Laemmel, Charles H., Detroit, Mich., assignor, by mesne assignments, to The Sheffield Corporation, Dayton, Ohio. Threading apparatus. 2,586,668, Feb. 19.

Laetsch, Jean P., Zurich, Switzerland, and P. Litty, Guebwiller, France. Apparatus for examining threads visually for defects. 2,592,039, Apr. 8.

La Favorite Rubber Manufacturing Company, assignee: *See*— Kimble, Harold.

Laferriere, Joseph E., Boston, Mass. Semiautomatic pin-setting-up and ball-returning apparatus for bowling alleys. 2,584,596, Feb. 5.

Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Tunable velocity modulated electron discharge device. 2,582,045, Jan. 8.

Laffoon, James F., Kansas City, Mo. Distributor. 2,601,534, June 24.

La Flame, Frank: *See*— Warrick, Leland K., and La Flame.

La Fleur, Herman E.: *See*— Desjarlais, William J., and La Fleur.

La Fleur, John, Poolville, N. Y. Extensible trailer cabin. 2,581,192, Jan. 1.

Lafleur, Sinal, Detroit, Mich. Dual steam generating apparatus. 2,599,924, June 10.

La Forge, Charles J.: *See*— White, Gifford E., Graef, and La Forge.

La Forge, Frederick: *See*— Schechter, Milton S., and La Forge.

La Forge, Frederick B.: *See*— Schechter, Milton S., and La Forge.

La France, Donald S.: *See*— Hearne, George W., and La France.

Lagan, David A., Jr., Santa Rosa, Calif. Heated carrying case. 2,615,112, Oct. 21.

Lagant, Silas P., Pocahontas, Ill. Posthole digger. 2,598,565, May 27.

Lagant, Silas P., Pocahontas, Ill. Ceiling washer. 2,612,648, Oct. 7.

Lagarde, Georges H., La Varenne, and J. Bulota, St. Maur, assignors to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Welding through pressure. 2,597,153, May 20.

Lagelbauer, Ernest, New York, N. Y. Direpeller and speed control therefor. 2,603,946, July 22.

Lagerkvist, Karl A.: *See*— Ahlstrand, Gustav R., and Lagerkvist.

Lagher, Gunnar H., Skanes Viby, assignor to H. Hoog, Stockholm, Sweden. Toolhead with adjustment indicator. 2,590,420, Mar. 25.

La Grotto, Marion, Indianapolis, Ind. Safety shoe guard. 2,615,261, Oct. 28.

La Grutta, Pascal A., Cedar Grove, assignor to Lapin Products, Inc., Newark, N. J. Child's toy harmonica. 2,610,537, Sept. 16.

Laguesse, Eugene: *See*— Tixhon, Marie T., and Laguesse.

Laguilharre, Pierre R., Enghien-les-Bains, France. Arrangement for atomizing liquids. 2,592,297, Apr. 8.

Laguzzi, Mario, Long Island City, N. Y. Refrigerator cabinet. 2,584,886, Feb. 5.

Lahale, Fred J., assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Knuckle joint for tie boring machines. 2,608,840, Sept. 2.

Lahey, Richard W.: *See*— Banks, Reginald M., and Lahey.

Lahnstein, Evelyn K. and J. A., assignors to Blanklette Corporation, New York, N. Y. Shoe. 2,603,889, July 22.
Lahnstein, Joseph A.: *See*—
Lahnstein, Evelyn K. and J. A.
Lahr, Alvin F.: *See*—
Ziegler, Nicholas A., Goldsmith, and Lahr.
La Hue, Paul D., Dallas, Tex. Urinal atachment for nursery toilets. 2,592,040, Apr. 8.
Lai, Guy W., Osborn, Ohio. Mounting clamp. 2,598,704, June 3.
Laibow, Jules, Merchantville, N. J., assignor to Cardinal Chemical Corporation, Philadelphia, Pa. Vaporizer for insecticides and the like. 2,616,024, Oct. 28.
Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for the manufacture of glass articles. 2,593,771, Apr. 22.
Laidig, Alfred H., and H. K. Richardson, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of glass tubing and cane. 2,583,431, Jan. 22.
Laidig, John F.: *See*—
Gissler, Frank E., and Laidig.
Laidler, Douglas S.: *See*—
Haywood, Frederick W., and Laidler.
Laidley, Clarence D., Tulsa, Okla. Vapor control system for storage tanks. 2,589,095, Mar. 11.
Laiho, Jalmer M., Skokie, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Interlock for calculating machine control keys. 2,588,127, Mar. 4.
Laikauf, Adolph, New York, N. Y. Collapsible shoulder wing for dress forms. 2,620,099, Dec. 2.
Laing, Arthur J., Detroit, Mich. Selective refrigeration and heating installation. 2,622,849, Dec. 23.
Laing, David T.: *See*—
Young, George, Laing, and Walls.
Laing, Gordon F., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Apparatus for the manufacture of tapered conductors. 2,607,724, Aug. 19.
Laing, Gordon F., Delavan, Wis., assignor to Economy Fuse and Manufacturing Co., Chicago, Ill. Lag fuse. 2,613,297, Oct. 7.
Laing, Marvin R., and W. Myers, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Synchronizing arrangement. 2,596,098, May 13.
Laing, Robert, Bury, assignor to Paerse-Laing Limited, Manchester, England. Machine for producing pile fabrics. 2,583,337, Jan. 22.
Laing, Torrance R., deceased, New York, N. Y.; M. E. Krause, executrix. Manually controlled photographic exposing, developing, and fixing device. 2,585,945, Feb. 19.
Laing, Torrance R., deceased, New York, N. Y.; M. E. Krause, executrix. Liquid hair applicator device. 2,604,102, July 22.
L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Gagnan, Emile, and Consteau.
Gatimel, Gilbert.
Gomonet, Eugéne.
Lagarde, Georges H., and Bulota.
Volff, Charles.
Laird, John, & Son, Limited, assignee: *See*—
Buchan, James.
Laird, Joseph P., Philadelphia, Pa. Brassière. 2,611,898, Sept. 30.
Laird, Royal B., Merced, Calif. Dual purpose ground working implement. 2,608,772, Sept. 2.
Lais, Henry L., Grand Forks, N. Dak. Combination service and outlet box. 2,603,546, July 15.
Lajeunesse, Victor J., Hills and Dales, H. M. Rutledge, Canton, and R. T. Trier, North Canton, assignors to The Superior Switchboard & Devices Company, Canton, Ohio. Safety device for electric meter trough covers. 2,620,377, Dec. 2.
Lakatos, Louis L.: *See*—
Blodgett, Edward D., and Lakatos.
Lake, Clair D., and B. M. Durfee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,615,569, Oct. 28.
Lake, Clair D., Binghamton, F. E. Hamilton, Endicott, and B. M. Durfee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Calculator. 2,616,624, Nov. 4.
Lake, Clair D., Binghamton, N. Y., H. H. Aiken, Cambridge, Mass., F. E. Hamilton, Endicott, and B. M. Durfee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Calculator. 2,616,626, Nov. 4.
Lake, Eugene T., Brodheadsville, Pa. Chisel for slate-splitting machines. 2,616,411, Nov. 4.
Lake, Francis G.: *See*—
Klessling, Edward A., Lake, and Stephensen.
Rinne, John, Ashton, Mallard, and Lake.
Lake, Harry F., and C. W. Grimes, Pontiac, Mich.; said Lake assignor to said Grimes. Takedown metal bow handle. 2,600,250, June 10.
Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Signal comparing apparatus. 2,581,961, Jan. 8.
Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Fixed message inserter. 2,586,669, Feb. 19.
Lake, Varnall D., Oradell, N. J. Needle pulling thimble. 2,589,499, Mar. 18.
Lake Erie Chemical Company, The, assignee: *See*—
Warner, Edmund A.
Lakeland, John, Toronto, Ontario, Canada. Hair parting device. 2,591,835, Apr. 8.
Lake Shore Engineering Company, assignee: *See*—
Hoyle, Albert C., and Bevard.
Lakeside Laboratories, Inc., assignee: *See*—
Biel, John H.
Lakeside Metal Stamping Co., The, assignee: *See*—
Haslop, Norman E.
Lake State Products, Inc., assignee: *See*—
Hollerith, Charles.
Lakewood Manufacturing Co., assignee: *See*—
Parker, Frank H.
Lakey, Arthur B., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Thrust measuring device. 2,612,775, Oct. 7.
Lakey, Arthur B., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Thrust bearing. 2,621,090, Dec. 9.
Lakin, Harold, Bronx, N. Y. Mechanical movement. 2,598,275, May 27.
Lakota, Stanley J.: *See*—
Strobel, Charles K., and Lakota.
Lakso, Eino E.: *See*—
Lakso, Eugene E., and E. E.
Lakso, Eino E., Fitchburg, Mass. Article counting and filling. 2,585,558, Feb. 12.
Lakso, Eino E., Fitchburg, Mass. Multiple line article aligning device. 2,585,559, Feb. 12.
Lakso, Eugene E., and E. E., Fitchburg, Mass., assignors to Sterling Drug Inc., New York, N. Y. Disposable single-use syringe. 2,618,263, Nov. 18.
Lalancette, Lawrence E., Melrose Park, Ill. Apparatus for cleaning poultry houses. 2,595,392, May 6.
Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Voice frequency signaling circuit. 2,585,019, Feb. 12.
Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Two-way wire telephone repeater circuit. 2,601,302, June 24.
Lallberte, Albert J., assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Flame control for burners of the solidified normally liquid fuel burning type. 2,610,674, Sept. 16.
Lallme, Lester J., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding wheel truing apparatus. 2,600,548, June 17.
Lalk, Robert H.: *See*—
Young, Arthur E., Stilbert, and Lalk.
L'Allemand, Charles C.: *See*—
Atwood, Rawson, and L'Allemand.
Lallmang, Howard C., Buffalo, N. Y. Battery terminal clamp. 2,618,675, Nov. 18.
Lally, Emmett E. and T. G., Denver, Colo. Clean-out plug for drainpipes. 2,602,168, July 8.
Lally, Theodore G.: *See*—
Lally, Emmett E. and T. G.
Lamar, Charles C.: *See*—
Koch, Henry J., and Lamar.
Lamar, Charles C., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,590,550, Mar. 25.
La Marque, George H., Boston, Mass. Making simulated flowers. 2,599,647, June 10.
Lamb, Ann E., Wildwood, N. J. Attachment for eyeglasses. 2,599,463, June 3.
Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Permanent magnet core meter. 2,588,394, Mar. 11.
Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Hygrometer of the wet and dry bulb thermometer type. 2,589,557, Mar. 18.
Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Bimetallic thermometer. 2,597,939, May 27.
Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Bimetallic thermometer for use in the dairy industry. 2,603,091, July 15.
Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Encased and hermetically sealed photocell. 2,606,215, Aug. 5.
Lamb, Anthony H., Hillside, and E. R. Kebbon, Chatham, assignors to Weston Electrical Instrument Corporation, Newark, N. J. Relative humidity indicator of the wet and dry bulb thermometer type. 2,606,446, Aug. 12.
Lamb, Arthur, Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Method and means for cleaning nose boards on Axminster looms. 2,622,625, Dec. 23.
Lamb, Bert R., Wildwood, N. J. Crab trap. 2,586,350, Feb. 19.
Lamb, Edward, San Francisco, Calif. Ventilating system. 2,599,925, June 10.
Lamb, Frances W., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Ethylene oxidation and silver on magnetitive as catalyst therefor. 2,593,156, Apr. 15.

Lamb, Frank L., and E. Yefko, assignors to Foster Machine Company, Westfield, Mass. Winding machine. 2,593,680, Apr. 22.
Lamb, Frederick S., Cleveland Heights, Ohio, assignor to General Electric Company. Electric terminal connector. 2,615,950, Oct. 28.
Lamb, Harold T., Newcastle-on-Tyne, England. Electrically driven machine for mixing and kneading or for mincing. 2,594,936, Apr. 29.
Lamb, Harold T., Newcastle-on-Tyne, England. Mixing or kneading machine. 2,600,117, June 10.
Lamb, Harold T., Newcastle-on-Tyne, England. Mixing and kneading machine. 2,608,941, Sept. 2.
Lamb, John, London, England, assignor to Shell Development Company, San Francisco, Calif. Ship's funnel with means for raising funnel gases. 2,601,663, June 24.
Lamb, John M., Summit, assignor to Co-Operative Industries, Inc., Chester, N. J. Flexible wave guide matching section 2,600,169, June 10.
Lamb, Miles A., Chicago, Ill., assignor to Chicago Pump Company. Floating cover. 2,616,586, Nov. 4.
Lambach, Frederick A., assignor to Air Light Products Co., Omaha, Nebr. Fish bobber. 2,607,153, Aug. 19.
Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Straight bar knitting machine and operating same. 2,584,136, Feb. 5.
Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Straight bar knitting machine and operating same. 2,587,632, Mar. 4.
Lambdin, William L., Jr.: *See*—
Albrecht, Fritz, Davison, and Lambdin.
Lambeau, Eugene: *See*—
Breuer, Grant W., Drewes, and Lambeau.
Drewes, Menke, Jr., and Lambeau.
Lambeek, Adriaan J. J., Dordrecht, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Heat exchanger. 2,616,672, Nov. 4.
Lamberger, Bruno, New York, N. Y. Device for displaying color component and for changing the color at will. 2,606,373, Aug. 12.
Lambers, Bernard: *See*—
Harriss, Lloyd J., and Lambers.
Lambert Brake Corporation, assignee: *See*—
Lambert, Homer T., and Myers.
Lucker, Millard B., Myers, and Dasse.
Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Sliding bulkhead door. 2,587,863, Mar. 4.
Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Dog spindle assembly. 2,610,079, Sept. 9.
Lambert, Frank, Jr., Lexington, and C. E. Crede, Winchester, Mass., assignors to The Barry Corporation. Vibration isolator. 2,610,017, Sept. 9.
Lambert, Frank E., Jr., Atlanta, Ga. Laboratory demonstration apparatus. 2,596,034, May 6.
Lambert, Georges, Lyons, France. Perforated soap-enclosing cover. 2,611,144, Sept. 23.
Lambert, Harry L., East Rochester, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. True negative total printing mechanism. 2,592,436, Apr. 8.
Lambert, Henri J. M., Sevres, and G. P. Mongin, Saint-Gratien, France. Tiltable holder for waste receptacles. 2,606,804, Aug. 12.
Lambert, Homer T., St. Joseph, and C. R. Myers, Galien, assignors to Lambert Brake Corporation, St. Joseph, Mich. Double disk hydraulic brake construction. 2,595,859, May 6.
Lambert, Homer T., St. Joseph, and C. R. Myers, Galien, assignors to Lambert Brake Corporation, St. Joseph, Mich. Disk brake construction. 2,595,860, May 6.
Lambert, Joseph M.: *See*—
Busse, Warren F., and Lambert.
Lambert, Joseph M., and F. A. Hamm, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Production of metal powders of small size. 2,604,442, July 22.
Lambert, Lee L.: *See*—
Manilych, Samuel, and Lambert.
Lambert, Robert R., assignor to Air-Factors, Inc., Los Angeles, Calif. Metal frame joint and manufacturing same. 2,619,574, Nov. 25.
Lambert, Samuel: *See*—
Riebman, Leon, and Lambert.
Lambert, William I.: *See*—
Amato, Natale S., and Lambert.
Lamberts, Clamor A.: *See*—
Poelma, Jacob, and Lamberts.
Lambertsen, Christian J., Scotch Plains, N. J. Selective gas adsorber. 2,586,670, Feb. 19.
Lambesis, John G., Chicago, Ill. Switch operating means for stand lamps. 2,614,208, Oct. 14.
Lambeth, Mack L., De Queen, Ark. Combined poultry feeder and waterer. 2,583,218, Jan. 22.
Lambeth Rope Corporation, assignee: *See*—
Landau, Alfred K.
Lamborn, Bayard T., Matawan, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing a thermoplastic cellulose acetate composition. 2,591,077, Apr. 1.
Lambou, Madeline G.: *See*—
Altschul, Aaron M., Condon, and Lambou.
Lambson, Lorenzo D., Southwick, Mass. Tractor implement hitch. 2,610,563, Sept. 16.
Laminated Lumber Products, Inc., assignee: *See*—
Winkel, Victor J.
La Mirand, Walter, assignor to Glassheat, Inc., Detroit, Mich. Vehicle engine heater. 2,613,307, Oct. 7.
La Mirand, Walter, assignor to Glassheat, Inc., Detroit, Mich. Radiant heater and tray. 2,613,308, Oct. 7.
Lamitex Products, Inc., assignee: *See*—
Lancaster, Talbot A.
Lamm, Uno, and A. Arvidsson, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement for charging of electric accumulator batteries. 2,621,316, Dec. 9.
Lamm, Lewis J.: *See*—
Tuttle, Charles D., Larsen, and Lamm.
Lamm, Raymond R., Philadelphia, Pa., assignor to The Patent and Licensing Corporation, New York, N. Y. Resinous adhesive composition. 2,610,924, Sept. 16.
Lamm, Uno, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protection of static current converter installations. 2,585,796, Feb. 12.
Lammermann, Henry C. C.: *See*—
Ashton, Albert A., and Lammermann.
Lammers, Alvin F.: *See*—
Williams, Robert L., Lammers, and Zipp.
Lamonde, Philip H., Hartford, Conn. Key retainer. 2,605,632, Aug. 5.
Lamont, George: *See*—
De Ment, Jack, Lamont, and Polly.
La Monte, Thomas W., La Habra, Calif. Velocipede horse. 2,592,041, Apr. 8.
Lamoreaux, Frank, Newark, N. J. Stirrer. 2,589,558, Mar. 18.
Lamounette, Robert, New York, N. Y. Portable paddle ball kit. 2,621,046, Dec. 9.
Lampe, Albert G., Madison, Wis. Ball swivel base spotlight. 2,588,252, Mar. 4.
Lampe, Albert G., Madison, Wis. Gun muzzle protector. 2,607,147, Aug. 19.
Lampe, Elmer A., Chicago, Ill. Sealed sleeve bearing unit. 2,611,667, Sept. 23.
Lampe, Robert C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Suction cleaner with means for automatically removing the dust container. 2,582,046, Jan. 8.
Lampel, Béla, Collonges-sous-Saleve, France. Appliance for the upright filing of index cards. 2,605,769, Aug. 5.
Lampert, Albert J.: *See*—
James, Richard E., and Lampert.
Lampton, Glen T., and E. Martin, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller blade. 2,620,885, Dec. 9.
Lamson Corporation, assignee: *See*—
Hennessy, Carroll A.
Lamson & Sessions Company, The, assignee: *See*—
Estok, Paul A.
Lamy, Armand, Montreal, Quebec, assignor of one-half to U. Boisvert, Outremont, Quebec, Canada. Snow projector. 2,623,308, Dec. 30.
Lancaster, Jeter M., High Point, N. C. Air-pressure operated drawer clamping machine. 2,583,219, Jan. 22.
Lancaster, R. N., assignee: *See*—
Seely, Otty J.
Lancaster, Talbot A., Canterbury, Conn., assignor, by mesne assignments, to Lamitex Products, Inc., New York, N. Y. Making a porous organic film. 2,618,580, Nov. 18.
Lance, Chester L., Dallas, Tex. Printing chase. 2,593,575, Apr. 22.
Lance, Inc., assignee: *See*—
Knee, Aaron A.
Lance, Orville P.: *See*—
Neighbour, Leonard B., and Lance.
Lances, Edith, Corporation, assignee: *See*—
Lances, Leo.
Lances, Leo, assignor to Edith Lances Corporation, New York, N. Y. Woman's undergarment. 2,622,245, Dec. 23.
Lanco Products Corporation, assignee: *See*—
Nash, Nat. H.
Lancor, Joseph H., Jr., East Williston, N. Y., assignor to The Sperry Corporation. Regenerative tracking apparatus. 2,590,875, Apr. 1.
Lancor, Joseph H., Jr., Silver Spring, Md., assignor to The Sperry Corporation. Vibration or impact indicator. 2,619,605, Nov. 25.
Lancor, Joseph H., Jr., East Williston, and J. E. Binns, Floral Park, N. Y., assignors to The Sperry Corporation. Corrected data tracking system. 2,594,317, Apr. 29.
Lancy, Leslie E., Ellwood City, Pa. Electrolytic treating apparatus. 2,601,535, June 24.
Land, Anthony H.: *See*—
Sprague, James M., and Land.
Land, Anthony H., Ridley Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Disulfide compounds. 2,584,081, Jan. 29.
Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic silver transfer product and process, including a lead salt. 2,584,029, Jan. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light sensitive silver halide photographic product for image transfer and process utilizing the same. 2,584,030, Jan. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Pressure roller apparatus. 2,590,185, Mar 25.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Forming films. 2,590,186, Mar. 25.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product comprising a light-sensitive diazonium compound, a coupler and a rupturable containing means holding ammonia under pressure. 2,600,996, June 17.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic film forming image transfer composition. 2,603,565, July 15.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product comprising a plurality of rupturable containers, each carrying a liquid for processing said product. 2,607,685, Aug. 19.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Composite photographic product comprising a photosensitive element and a container carrying a liquid for processing said element. 2,609,296, Sept. 2.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Image-receiving photographic element combined with a processing container. 2,612,449, Sept. 30.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Self-framing photographic film unit containing a liquid, and process for producing framed positive images. 2,612,450, Sept. 30.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product, including a container and means for rupturing said container. 2,612,451, Sept. 30.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product comprising an additive color screen, a silver halide layer, and a rupturable container, and a process of additive color photography. 2,614,926, Oct. 21.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Sheet material containing a liquid for processing a silver halide layer. 2,616,804, Nov. 4.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic film assembly comprising a photosensitive layer and another layer hingedly connected together. 2,616,805, Nov. 4.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Silver halide developer containing a film-forming plastic and a water insoluble finely comminuted solid substance. 2,616,807, Nov. 4.

Land, Leonard E., Winchmore Hill, assignor to The General Electric Company Limited, London, England. Thermionic valve integrating circuit. 2,582,490, Jan. 15.

Land, Meyer, Waterbury, Conn. Boxing toy. 2,586,432, Feb. 19.

Landa, Stanislav, Most, and O. Němeček, Ustí N/L, assignors to Bata, narodni podnik, Zlin, Czechoslovakia. Utilizing waste products of the manufacture of 2-chlorobutadiene-1,3. 2,605,166, July 29.

Landaal, Olga L., San Jose, Calif. Food guard. 2,605,009, July 29.

Landau, Alfred K., Newtonville, assignor to Lambeth Rope Corporation, New Bedford, Mass. Tape for driving pulleys. 2,581,261, Jan. 1.

Landau, Edward F.: *See*—
Hawley, Thomas G., Jr., and Landau.

Landau, Frans: *See*—
Carlsson, Johan E., Landau, and Törnros.

Landau, Frans, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Controlling device for winders. 2,602,912, July 8.

Landauer, Fred, Rockville Centre, N. Y. Electrode for electrotherapeutic treatments. 2,590,876, Apr. 1.

Landauer, Rolf W., New York, N. Y., assignor to Sylvania Electric Products Inc. Traveling wave tube. 2,584,597, Feb. 5.

Landby, Andres J., assignee: *See*—
Peterson, Michael H.

Lander, Arthur M., Park Ridge, assignor to Lawndale Enameling Co., Chicago, Ill. Dcenameling process. 2,584,031, Jan. 29.

Lander, James J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carbonyl process. 2,602,033, July 1.

Landergott, Anton F., Pittsburgh, Pa. Therapy tank. 2,587,335, Feb. 26.

Landergren, Sture G. G., Stockholm, assignor of one-half to S. G. Kihlberg, Hjo, Sweden, and one-half to Industrial Devices Corporation, Detroit, Mich. Motion transmitting arrangement. 2,589,096, Mar. 11.

Landers, Frary & Clark, assignee: *See*—
Almquist, Nils T.
Badger, Harry M.
Kircher, Paul J.
Lachowicz, Stanley F.
Rudahl, Arnold E.
Russell, William J.

Landers, Thomas P., New York, and C. F. Smith, Yonkers, N. Y. Chilling foodstuffs. 2,622,415, Dec. 23.

Landers, William J., Griffin, Ga. Thread-cutting temple spring. 2,621,917, Dec. 16.

Landes, Chester G.: *See*—
Daniel, John H., Jr., and Landes.
Daniel, John H., Jr., Wilson, Hastings, and Landes.
Wilson, Lucius H., and Landes.
Wilson, Lucius H., Landes, and Maxwell.

Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protein adhesives containing dicyandiamide compounds as fluidizing agents. 2,581,111, Jan. 1.

Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protein adhesives containing dicyanimide compounds as fluidizing agents. 2,581,112, Jan. 1.

Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protein adhesives containing dicyanoguanidine compounds as fluidizing agents. 2,581,113, Jan. 1.

Landes, Spencer H.: *See*—
Uraneck, Carl A., and Landes.

Landgraf, Fred, Los Angeles, Calif. Air screw with automatic pitch mechanism. 2,614,637, Oct. 21.

Landgraf, George F., Pittsburgh, assignor to Trion, Inc., McKees Rocks, Pa. Air nozzle and ionizing unit for electrostatic air filters. 2,585,138, Feb. 12.

Landgraf, George F., Pittsburgh, assignor to Trion, Inc., McKees Rocks, Pa. Electrode for electrostatic filters. 2,587,173, Feb. 26.

Landgraf, Jacob T., Freeport, assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Vaporizing type oil burner for brooders and the like. 2,599,563, June 10.

Landgraf, Theodore H., Aurora, and F. A. Furlong, assignors to Autogas Company, Chicago, Ill. Control apparatus for heating plants. 2,608,349, Aug. 26.

Landis, Christian G., assignee: *See*—
Landis, Samuel K.

Landis, Elmer, Clayton, assignor to United Aircraft Products, Inc., Dayton, Ohio. Lubricating system. 2,586,671, Feb. 19.

Landis, Floyd W., Warsaw, Ind. Adjustably weighted dumbbell. 2,617,650, Nov. 11.

Landis & Gyr, A. G., assignee: *See*—
Caprez, Hans, and Kruse.
Fehr, Paul.
Fehr, Paul E.
Hürlimann, Hans.
Pudelko, Richard.
Vannini, Philipp.

Landis, Harold O., assignor to Berks Electronic Service, Inc., Reading, Pa. Adjustable base for antenna masts. 2,611,566 Sept. 23.

Landis Machine Company, assignee: *See*—
Hopkins, Cecil W., and Eyler.
Reimschissel, Charles A., and Davies.
Smith, Nevin B.

Landis, Maurice N.: *See*—
Sims, Clarence E., and Landis.

Landis, Phillip S.: *See*—
White, Ralph V., and Landis.

Landis, Samuel K., Ephrata, assignor of one-half to C. G. Landis, Quarryville, Pa. Trailer stabilizing connection. 2,612,382, Sept. 30.

Landis Tool Company, assignee: *See*—
Balsiger, Harold E., and Williams.
Klay, Walter S., and Price.
Price, Ralph E.
Williams, Charles C. W.

Landley Company, Inc., The, assignee: *See*—
Webster, Alan de Forest.

Landmeier, Edwin W.: *See*
Boller, William D., Berkley, Ernst, and Landmeier.

Lando, Sebastiano, assignor to Land-O-Tackle, Inc., Chicago, Ill. Signaling device. 2,608,784, Sept. 2.

Landon, Emma V., Sun Valley, Calif. Knitting needle clip. 2,591,836, Apr. 8.

Landon, Esther C., Seattle, Wash. Electrical drying device. 2,590,021, Mar. 18.

Landon, Harold J., Grand Blanc, Mich. Artificial fish bait with weighted hook member. 2,589,007, Mar. 11.

Landon, Marion E., administratrix: *See*—
Landon, Walter S.

Landon, Robert K., Costa Mesa, and J. R. Thomson, Corona del Mar, assignors to Strait-Line Products, Costa Mesa, Calif. Combined chalk-line box and plumb bob. 2,589,500, Mar. 18.

Landon, Vernon D.: *See*—
Keizer, Eugene O., and Landon.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,594,567, Apr. 29.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Color television registration system. 2,621,244, Dec. 9.

Landon, Vernon D., R. L. Harvey, and E. O. Keizer, Princeton, N. J., assignors to Radio Corporation of America. Ultrahigh-frequency filter. 2,594,037, Apr. 22.

Landon, Walter S., deceased, Detroit, Mich., by M. E. Landon, administratrix, assignor to Detroit Lubricator Company, Detroit, Mich. Liquid level control means. 2,592,913, Apr. 15.

Landon, Walter S., deceased, Detroit, Mich., by M. E. Landon, administratrix, assignor to Detroit Lubricator Company, Detroit, Mich. Metering valve. 2,615,671, Oct. 28.

Land-O-Tackle, Inc., assignee: *See*—
Lando, Sebastiano.

Landree, Ira, Ontonagon, Mich. Toy swinging crane. 2,590,188, Mar. 25.

Landrum, Porter, Birmingham, Ala. Power coupling. 2,616,274, Nov. 4.

Landry, Alice F., Pittsburgh, Pa. Child's eye patch. 2,586,064, Feb. 19.

Landry, Bertrand A.: *See*—
Robinson, Walter, and Landry.

Landry, William J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., trustee. Can opener. 2,601,303, June 24.

Landry, William J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,602,991, July 15.

Landry, William J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,619,718, Dec. 2.

Landsiedel, Walter W.: *See*—
Hicks, Harry A., and Landsiedel.

Landsman, Wolf S., Brooklyn, N. Y. Coupling means for garment hanger racks. 2,581,032, Jan. 1.

Landwier, William G., Fayetteville, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Combined clothes washer and extractor. 2,601,031, June 17.

Lane, Basil H., assignor of one-third to R. F. Morgan and one-third to James Hosiery Mills, Greeneville, Tenn. Stop-motion for full fashioned knitting machine. 2,601,155, June 17.

Lane, Erik L., Stockholm, Sweden. Telescope and view finder with prismatic optical system. 2,619,874, Dec. 2.

Lane, Frank, Rochester, N. Y. Sewer catch basin unit. 2,615,526, Oct. 28.

Lane, Frank W., Elkton, Md., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of sebacic acid. 2,580,931, Jan. 1.

Lane, Frank W., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigmentary materials. 2,615,006, Oct. 21.

Lane, George M., Greensboro, N. C. Garment hanger clamping mechanism. 2,581,800, Jan. 8.

Lane, George M., Greensboro, N. C. Feeler mechanism for looms. 2,595,958, May 6.

Lane, George S., Cheyenne, Wyo. Gate Valve. 2,601,304, June 24.

Lane, Guy E., assignee: *See*—
Stuart, Clifton F.

Lane, Harold: *See*—
Bagshaw, Charles M., and Lane.

Lane, Ira C.: *See*—
Wilson, James R., and Lane.

Lane, James A.: *See*—
Pyle, Cyrus, and Lane.

Lane, Joseph H., Kansas City, Mo. Formation tester. 2,607,222, Aug. 19.

Lane, Leslie C., Bethel, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of melamine. 2,615,018, Oct. 21.

Lane, Robert F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole flap splitting machine. 2,603,802, July 22.

Lane, Russell W., Riverside, and W. H. Thompson, Downers Grove, assignors to National Aluminate Corporation, Chicago, Ill. Corrosion inhibiting composition for steam systems. 2,582,138, Jan. 8.

Lane, Stanley C.: *See*—
Smith, Warren M., Luening, and Lane.

Lane, Stanley S., Hyannis, Mass. Key case and selector. 2,602,320, July 8.

Lane, Stanley S., U. S. Army, New London, Conn. Combined stool, ladder, and high chair. 2,619,152, Nov. 25.

Lane-Wells Company, assignee: *See*—
Barnes, Charles H.
Homer, Thomas R.
Lynd, William E.
Meddick, Lorrain D., and Gardiner.
Meyer, Gerhard.
Morgan, Charles K.
Morgan, Charles K., Meddick, and McKenna.
Turechek, George F., and Moorhouse.
Turechek, George F., and Phillips.

Lanegan, Frederick E., assignor to W. H. Smith & Son, Limited, London, England. Pin-wheel feeding device for stationery. 2,599,648, June 10.

Lanegan, Frederick E., and P. Maguire, assignors to W. H. Smith & Son Limited, London, England. Autographic register and the like. 2,584,212, Feb. 5.

Lang, Albert, Oakland, Calif. Window screen securing means. 2,605,826, Aug. 5.

Lang, Albert, Oakland, Calif. Window screen. 2,605,827, Aug. 5.

Lang, Albert, Oakland, Calif. Bottom holding structure for wire screens. 2,605,828, Aug. 5.

Lang, C. C., & Son, Inc., assignee: *See*—
Lang, Charles G.

Lang, Charles G., assignor to C. C. Lang & Son, Inc., Baltimore, Md. Machine for slicing pickles. 2,621,695, Dec. 16.

Lang, Charles W., San Francisco, Calif. Latch. 2,589,405, Mar. 18.

Lang, Gregor L., Suffield, Conn., assignor to The Sperry Corporation. Radio navigation device. 2,613,351, Oct. 7.

Lang, Helen E., Lima, Ohio. Mattress holder. 2,588,854, Mar. 11.

Lang, Henry F.: *See*—
Christian, Raymond A., Ganger, and Lang.

Lang, Henry T., Cleveland, Ohio, assignor to General Electric Company. Canister type suction cleaner. 2,605,858, Aug. 5.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Fastener forming and driving device. 2,580,444, Jan. 1.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Tool for driving and setting blind fasteners. 2,581,202, Jan. 1.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Apparatus for applying fasteners. 2,583,056, Jan. 22.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Compressible fastener. 2,597,342, May 20.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Connected strip of fastener units. 2,597,343, May 20.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Driven fastener and making the same. 2,597,344, May 20.

Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Induction metal melting furnace. 2,610,218, Sept. 9.

Lang, Walter: *See*—
Nagel, John D., and Lang.

Lang, William A., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Display device. 2,617,550, Nov. 11.

Lang, Wolfgang S.: *See*—
Witzky, Julius E., Lang, and Jakob.

Langan, John F., Washington, D. C., assignor, by mesne assignments, to Film 'N File, Inc., New York, N. Y. Making film record cards. 2,587,022, Feb. 26.

Langbein, Fred, Kenilworth, N. J. Ventilated rigid awning. 2,596,934, May 13.

Langbo, Georg, Gulskogen, near Drammen, Norway. Winding machine for paper rolls. 2,620,141, Dec. 2.

Langdon, Howard H., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Flexible coupling. 2,595,393, May 6.

Langdon, Jesse D., Long Beach, Calif. Spud valve. 2,589,265, Mar. 18.

Langdon, Jesse D., Long Beach, Calif. Valved coupling. 2,594,318, Apr. 29.

Langdon, Jesse D., Long Beach, Calif. Check valve construction. 2,598,002, May 27.

Langdon, Jesse D., Long Beach, Calif. Valve construction. 2,612,183, Sept. 30.

Langdon, Louis D.: *See*—
Bayer, Elton A., and Langdon.

Langdon, Samuel W., assignor of one-half to H. J. Nagle and one-half to R. A. Nagle, Rochester, N. Y. Boxmaking machine. 2,604,828, July 29.

Lange, Emil, Paris, France. Electric circuit breaker. 2,612,576, Sept. 30.

Lange, Frederick E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner safety control apparatus. 2,610,677, Sept. 16.

Lange, Henry J., assignor to Betz Corporation, Hammond, Ind. Compact refrigeration unit for cooling air. 2,610,484, Sept. 16.

Lange, Maurice, Issy-les-Moulineaux, France. Means for automatic color selection. 2,623,432, Dec. 30.

Lange, Sven R., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Making dies. 2,619,853, Dec. 2.

Lange, Willy: *See*—
Baur, Fredric J., and Lange.

Lange, Willy, Cincinnati, and R. G. Folzenlogen, Columbia Township, assignors to The Procter and Gamble Company, Ivorydale, Ohio. Retardation of development of reversion flavor in hydrogenated fats and oils. 2,589,097, Mar. 11.

Lange, Willy, Cincinnati, Ohio, and A. Hood, assignors to Ozark-Mahoning Company, Tulsa, Okla. Production of hydrocarbon-oxy phosphoryl monofluorides. 2,614,116, Oct. 14.

Langedijk, Siegfried L., and P. N. Degens, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilized aqueous solutions of surface-active sodium secondary alkyl sulfates. 2,603,606, July 15.

Langenfeld, A. L., Inc., assignee: *See*—
Pitz, Carl A.

Langenwalter, Daniel F.: *See*—
Gitzendanner, Louis G., and Langenwalter.

Langer, Joseph A., assignor to A. S. Lathan, San Francisco, Calif. Brace support for steering idler arms. 2,588,544, Mar. 11.

Langer, Nicholas, New York, N. Y. Heat sealing device. 2,621,704, Dec. 16.

Langerman, Jonas, New York, N. Y. Heating plug. 2,592,042, Apr. 8.

Langfeld, Daniel, R. Leckey, and R. A. Olson, Omaha, and E. G. Webb, Bellevue, assignors, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr. Radiator testing apparatus. 2,595,470, May 6.

Langfeld, Daniel, R. Leckey, and R. A. Olson, Omaha, and E. G. Webb, Bellevue, assignors, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr. Test and repair bench for heat exchangers. 2,595,471, May 6.

Langen, Eugen, Elsdorf, Germany, assignor, by mesne assignments, to Superior Sugar Extraction, Inc., New York, N. Y. Process and apparatus for the extraction of beet sugar. 2,602,762, July 8.

Langer, Adolph A., Pearl River, assignor of fifty per cent to C. Harmon, Mamaroneck, N. Y. Calk for footwear. 2,607,134, Aug. 19.

Langer, Adolph A., Pearl River, assignor of fifty per cent to C. Harmon, Mamaroneck, N. Y. Detachable calk. 2,607,135, Aug. 19.

Langerman, Wilton R., Rapid City, S. Dak. Circular saw-setting device. 2,603,112, July 15.

Langham, Eric M.: *See*—
Bedford, Leslie H., Bell, and Langham.

Langhout, Gerbrand, Oak Park, Ill. Illuminated key holder. 2,618,736, Nov. 18.

Langille, Wilfred O., Chester, H. A. Shumaker, Somerville, and E. P. Turner, Fanwood, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with rotary floating dust brush supported solely from the mid-point. 2,581,962, Jan. 8.

Langius, Manuel, Grand Rapids, Mich. Extension table with detachable end leaves. 2,614,013, Oct. 14.

Langkammerer, Carl M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymeric oximes and their preparation. 2,620,325, Dec. 2.

Langkammerer, Carl M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Pollymeric titanium compounds. 2,621,193, Dec. 9.

Langley, Carl F., E. L. Little, and J. M. Tomblin, assignors of twenty-five per cent to said Langley, twenty-five per cent to said Little, twenty-five per cent to said Tomblin, and twenty-five per cent to J. C. Tomblin, Charleston, S. C. Awning construction. 2,619,692, Dec. 2.

Langley Corporation, assignee: *See*—
Mandolf, Henry I., and Chapin.
Mandolf, Henry I., and Morrow.

Langley, Harold E., Bear River, Nova Scotia, Canada. Manicure apparatus. 2,616,436, Nov. 4.

Langley, Hudmon S. and P. R., Birmingham, Ala. Ladder. 2,618,427, Nov. 18.

Langley, Pasco R.: *See*—
Langley, Hudmon S. and P. R.

Langlois, Gordon E., El Cerrito, assignor to California Research Corporation, San Francisco, Calif. Catalysis of alkyl aromatic isomerization. 2,585,899, Feb. 12.

Langloys, Rémy J. M. C., Saint-Cloud, assignor of one-half to Society "Etablissements Herburger," Paris, France. Reed for electrical musical instruments. 2,581,963, Jan. 8.

Langloys, Rémy J. M. C., Saint-Cloud, Seine-et-Oise, assignor to Society "Etablissements Herrburger," Paris, France. Tuning fork with simultaneous multiple frequencies. 2,601,801, July 1.

Langmaid, Alvin E., Bloomfield, and R. A. Bloom, Hartford, Conn. Lapping thread ring gauge. 2,591,167, Apr. 1.

Langohr, Billy E.: *See*—
Schubert, Milton V., Jr., Langohr, and Badskey.
Schubert, Milton V., Jr., Langohr, Manago, and Badskey.

Langos, Alfred F., assignor to Langson Manufacturing Co., Chicago, Ill. Combination toy gun holster and package. 2,590,187, Mar. 25.

Langrish-Smith, W. Edwin, assignee: *See*—
Shaw, Clifford, Smith, and Emblem.

Langs, Charles L., Grosse Pointe Park, Mich. Breast cover. 2,596,567, May 13.

Langsenkamp, Robert M., Indianapolis, and J. M. Trimble, Lebanon, assignors to The Langsenkamp-Wheeler Brass Works, Inc., Indianapolis, Ind. Flow line sampler. 2,589,712, Mar. 18.

Langsenkamp-Wheeler Brass Works, Inc., The, assignee: *See*—
Langsenkamp, Robert M., and Trimble.

Langseth, Andrew, Milwaukee, Wis. Combined operator and lock for windows and the like. 2,621,063, Dec. 9.

Langsett, Victor M., trustee, assignee: *See*—
Kessler, Ward P.

Langson Manufacturing Co., assignee: *See*—
Langos, Alfred F.

Langstaff, Clinton A.: *See*—
Collins, Lawrence B., and Langstaff.

Langston, Samuel M., Co., assignee: *See*—
Sieg, Karl.

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Valve construction. 2,594,659, Apr. 29.

Lanham, William E.: *See*—
Hexter, Joseph, and Lanham.

Lanham, William M., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Production of halogen containing organic compounds of phosphorus. 2,610,978, Sept. 16.

Lanigan, Francis W., Lincoln, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Leveling and drying coatings with steam. 2,583,220, Jan. 22.

Laningham, Ray J., Morganton, N. C. Precision turning, threading, and centering lathe attachment. 2,601,716, July 1.

Lanlus, Ralph, Cincinnati, Ohio, assignor to Super-Cut, Inc., Chicago, Ill. Grinding eyeglass lenses. 2,607,174, Aug. 19.

Lankelma, Herman P.: *See*—
Musselman, John M., and Lankelma.

Lankford, Jonathan D., F. J. Trotter, and F. W. Taylor, Rifle, Colo., assignors to the United States of America as represented by the Secretary of the Interior. Solids level control. 2,620,933, Dec. 9.

Lanman, Robert K., Dayton, Ohio. Bifocal lens gauge and marker. 2,603,000, July 15.

Lannan, George M., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for forming fibrous mats. 2,589,008, Mar. 11.

Lannen, Harold T.: *See*—
Odom, Earl R., and Lannen.

Lannen, Joseph P., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Disk flexing and installing apparatus. 2,588,395, Mar. 11.

Lannen, Joseph P., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Electric hoist. 2,600,887, June 17.

Lannen, Robert J., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Balance testing machine. 2,600,888, June 17.

Lannon, James P., Chevy Chase, Md. Golf bag carrier. 2,613,952, Oct. 14.

Lan-O-Sheen Inc., assignee: *See*—
Heideman, Herbert E.

Lanpher, Henry C., Alexandria, Va. Protective enclosure for drinking containers. 2,589,098, Mar. 11.

Lansaw, Howard B., Huntington, W. Va. Upholstered rocking armchair. 2,612,936, Oct. 7.

Lansdowne Steel & Iron Company, assignee: *See*—
Shertz, Edward W., and Work.

Lansing, Edward S.: *See*—
Otterstand, Peter N., Rigabar, and Lansing.

Lansing, Edward S., assignor to Edward S. Lansing Corporation, New York, N. Y. Sewage flotation and aeration system. 2,604,445, July 22.

Lansing, Edward S., Corporation, assignee: *See*—
Lansing Edward S.

Lanter, Clarence W.: *See*—
Breuer, Grant W., and Lanter.

Lantry, Norman D., Hammond, Ind. Exercising device. 2,580,932, Jan. 1.

Lantz, Alpha P., Washington, D. C. Portable sectional ironing board. 2,590,254, Mar. 25.

Lantz, Alpha P., Washington, D. C. Portable collapsible ironing board. 2,590,551, Mar. 25.

Lantz, Alpha P., Washington, D. C. Portable foldable ironing board. 2,599,399, June 3.

Lantz, Alpha P., Washington, D. C. Pad and cover attached ironing board. 2,610,418, Sept. 16.

Lantz, Alpha P., Washington, D. C. Portable sectional ironing board. 2,611,197, Sept. 23.

Lantz, Alpha P., Washington, D. C. Hinged sectional ironing board. 2,617,214, Nov. 11.

Lantz, Donald G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Viscosity control apparatus. 2,587,174, Feb. 26.

Lanvermeyer, Julius, Melle, Germany. Housing for antifriction bearings. 2,613,120, Oct. 7.

Lanyon, Burton W., Malvern, Ark. Shield for pipes. 2,605,770, Aug. 5.

Lanza, Guglielmo, Turin, assignor to Ing. C. Olivetti & C. S. p. A., Ivrea, Italy. Printing telegraph apparatus. 2,590,421, Mar. 25.

La Paglia, Anthony, New York, N. Y. Harmonica. 2,608,898, Sept. 2.

La Pedus, William E., Rockford, Ill. Cloth material spreader. 2,592,437, Apr. 8.

Lapetina, Herbert N., and A. E. Hall, Norfolk, Va. Bottle opener with spray guard. 2,608,115, Aug. 26.

Lapidus, Sol H., assignor to U. S. Metal Products Company, Inc., Brooklyn, N. Y. Signal control device. 2,596,858, May 13.

Lapik, John V., New York, N. Y. Oil filter. 2,581,337, Jan. 8.

Lapin Products, Inc., assignee: *See*—
La Grutta, Pascal A.
Rosenheim, David J.

Lapin, William: *See*—
Berkowitz, Joseph, and Lapin.

La Plant-Choate Mfg. Co., Inc., assignee: *See*—
Rockwell, Harvey W.

La Point, Kenneth K., Albany, assignor to Charles M. Bailey Co., Inc., San Francisco, Calif. Pressure reducing valve. 2,619,777, Dec. 2.

Lapointe, Christian M., Port Radium, Northwest Territories, assignor to Eldorado Mining and Refining (1944) Limited, Ottawa, Ontario, Canada. Apparatus for sorting radioactive ore. 2,617,526, Nov. 11.

Lapointe, Ernest, Magog East, Quebec, Canada. Climbing attachment for skis. 2,595,586, May 6.

Lapointe Machine Tool Company, The, assignee: *See*—
Fox, Myer.
Phaneuf, Wilrose J.

La Porte Chemicals Limited, assignee: *See*—
Wood, William S., Clennett, and Hulland.

Lapostolle, Pierre M. Saint-Germain-en-Laye, France. Ultrahigh frequency traveling-wave tube power regulating system. 2,611,832, Sept. 23.

La Pota, John B., assignor to National Cylinder Gas Company, Chicago, Ill. Flux feed mechanism for cutting torches. 2,608,446, Aug. 26.

Lapp, Grover W., assignor to Lapp Insulator Company, Inc., Le Roy, N. Y. Power wrench mechanism for ceramic filter presses. 2,582,442, Jan. 15.

Lapp Insulator Company, Inc., assignee: *See*—
Lapp, Grover W.

Lappin, Lester S., Pennsauken, N. J., assignor to Radio Corporation of America. Load control system for electronic power generators. 2,587,175, Feb. 26.

Lapsley, Robert: *See*—
Elliott, Morris R., Lapsley, and Turner.
Hawkins, Frederick E., Lapsley, and Turner.

Lapsley, Robert, Berrien, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,608,885, Sept. 2.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,584,032, Jan. 29.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Gear clutch mechanism. 2,588,855, Mar. 11.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,596,699, May 13.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid clutch with servo engagement. 2,597,502, May 20.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Clutch construction. 2,603,326, July 15.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Torque converter brake construction. 2,611,452, Sept. 23.

Lapsley, Robert, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,596,700, May 13.

Lapsley, Robert, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,616,311, Nov. 4.

Larach, Simon, New Brunswick, N. J., assignor to Radio Corporation of America. Manganese activated zinc barium silicate phosphor. 2,601,032, June 17.

Larach, Simon, New Brunswick, N. J., assignor to Radio Corporation of America. Humidity sensitive device. 2,609,688, Sept. 9.

Laramy, Richard C., Muskegon Heights, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Pot type oil burner. 2,609,041, Sept. 2.

LaRaus, Julius, Westport, Conn. Rotary spray arm for washing machines. 2,588,856, Mar. 11.

Larcén, Jan A., Stockholm, and S. L. Ytterfors, Stensberg, assignors to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Feeding mechanism for rock drills. 2,617,388, Nov. 11.

Larcén, Jan A., Stockholm, and S. L. Ytterfors, Stensberg, assignors to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Drill turning mechanism of hammer drills. 2,618,241, Nov. 18.

Larcinese, Marius, Glassport, Pa. Wire retaining device. 2,620,995, Dec. 9.

Lardelli, Otto A.: *See*—
Guanella, Gustav, and Lardelli.

Larew, John J., Schenectady, N. Y., assignor to General Electric Company. Photoelectric product sorter. 2,602,847, July 8.

Large, Samuel R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Bearing seal. 2,590,422, Mar. 25.

Large, William E.: *See*—
Hartwig, Edward C., and Large.
Stadum, Clarence B., Hartwig, and Large.
Stadum, Clarence B., and Large.

Large, William E., Lancaster, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric discharge apparatus. 2,624,040, Dec. 30.

Large, William E., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage regulating circuit. 2,617,977, Nov. 11.

Larham, David P., Southampton, England. Machine for sorting goods. 2,610,748, Sept. 16.

Larimore, Harvey T., Chicago, Ill. Bottle vending machine. 2,586,351, Feb. 19.

Lariviere, Pierre: *See*—
Kleineberg, Paul E., and Lariviere.

Lark, Spearman D., Cleveland, Ohio. Adjustable two-sided reflecting mirror for motor vehicles. 2,607,273, Aug. 19.

Lark-Horovitz, Karl, and R. M. Whaley, assignors to Purdue Research Foundation, La Fayette, Ind. Alloys and rectifiers made thereof. 2,588,253, Mar. 4.

Lark-Horovitz, Karl, La Fayette, Ind., S. Benzer, Pasadena, Calif., and R. E. Davis, East McKeesport, Pa., assignors to Purdue Research Foundation, La Fayette, Ind. Photoelectric and thermoelectric device utilizing semiconducting material. 2,588,254, Mar. 4.

Lark-Horovitz, Karl and R. M. Whaley, assignors to Purdue Research Foundation, Lafayette, Ind. Alloys and rectifiers made thereof. 2,600,997, June 17.

Lark-Horovitz, Karl, and R. M. Whaley, assignors to Purdue Research Foundation, La Fayette, Ind. Alloys and rectifiers made thereof. 2,615,966, Oct. 28.

Larkin, Lester U., Harvey, assignor to L. M. Larkin, Libertyville, Ill. Heat exchanger. 2,595,472, May 6.

Larkin, Lincoln M., assignee: *See*—
Larkin, Lester U.

Larkin, Lincoln M., Libertyville, assignor to Linklark, Inc., Chicago, Ill. Vending machine. 2,589,099, Mar. 11.

Larkin, Robert F., Wauwatosa, Wis. Walking cast shoe. 2,614,340, Oct. 21.

Larkin, Thomas E., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,590,022, Mar. 18.

Larkin, Thomas E., Schenectady, N. Y. Control system for fuel delivery and services. 2,606,240, Aug. 5.

Larkins, Winifred A., Kingsport, Tenn. Automatic book cutting-off device. 2,615,410, Oct. 28.

La Rocca, John, Valley Stream, assignor to Pioneer Mounting & Finishing Co., Inc., New York, N. Y. Display device. 2,611,572, Sept. 23.

La Rocque, Samuel W., Pawtucket, R. I. Loom picker. 2,586,065, Feb. 19.

La Roza, Edward W., Mamaroneck, N. Y. Safety switch assembly. 2,581,338, Jan. 8.

Larrison, Millard S., Whippany, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of nicotinic acid by solvent extraction. 2,622,085, Dec. 16.

Larry, Edwin C., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Railway switch point connection. 2,584,719, Feb. 5.

Larsan Manufacturing Company, assignee: *See*—
Derr, Bernard A.

Larsen, Agnew E., New Britain, Pa., assignor to The Glenn L. Martin Company, Middle River, Md. Epicyclic helicopter rotor system. 2,589,826, Mar. 18.

Larsen, Albert C., Sioux City, Iowa. Electric drill pipe cleaning attachment. 2,617,135, Nov. 11.

Larsen, Carl E., Gentofte, Denmark. Dampening mechanism for offset-printing presses and other printing presses. 2,622,521, Dec. 23.

Larsen, Carl H., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Self-leveling, storing, and dispensing apparatus. 2,609,265, Sept. 2.

Larsen, Delmar H.: *See*—
Cummer, George W., and Larsen.

Larsen, Delmar H., West Hollywood, assignor to National Lead Company, Los Angeles, Calif. Employment of nonaqueous well drilling fluids. 2,597,085, May 20.

Larsen, Don H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of riboflavin. 2,615,829, Oct. 28.

Larsen, Einer W.: *See*—
Krasy, Robert A., and Larsen.

Larsen, Einer W., Elmhurst, and J. G. Meyer, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for straightening round rods or tubes of plastic material. 2,582,491, Jan. 15.

Larsen, Elmer W.: *See*—
Daley, John H., and Larsen.

Larsen, Esther, assignee: *See*—
Gibel, Stephen J.

Larsen, Fridthiof O. V., Gentofte, Denmark, assignor to Aktiebolaget Duba, Stockholm, Sweden. Total transfer mechanism. 2,581,870, Jan. 8.

Larsen, Grayland T.: *See*—
Tuttle, Charles D., Larsen, and Lamm.

Larsen, Grayland T., Wyandotte, assignor to General Motors Corporation, Detroit, Mich. Electrolytic process of stripping metallic coatings from a ferrous metal base. 2,581,490, Jan. 8.

Larsen, Gustav, Hasley, Denmark. Containers for preservation of bacteria cultures. 2,619,448, Nov. 25.

Larsen, Harold R., Troy, and D. Gurney, Jamestown, assignors to W. & L. E. Gurley, Troy, N. Y. Trunnion bearing. 2,602,229, July 8.

Larsen, Harold R., Troy, and D. Gurney, Jamestown, assignors to W. & L. E. Gurley, Troy, N. Y. Spindle bearing for surveying instruments. 2,606,084, Aug. 5.

Larsen, Karl M., Minneapolis, Minn. Jig for pivotally suspending articles. 2,588,128, Mar. 4.

Larsen, Lars R., Salt Lake City, Utah. Bedframe construction for automotive trailers. 2,622,895, Dec. 23.

Larsen, Lewis, and J. Eckert, Menominee, Mich., assignors to Heywood-Wakefield Company, Gardner, Mass. Theater chain with automatic tip-up seat. 2,608,238, Aug. 26.

Larsen, Merwin J., Villa Park, Ill., assignor to Stromberg-Carlson Company. Echo pulse system utilizing the first received echo for control purposes. 2,580,560, Jan. 1.

Larsen, Milner E., Bickleton, Wash. Tillage implement frame. 2,619,890, Dec. 2.

Larsen, Robert E., Chicago, Ill. Citrus fruit juicer. 2,599,464, June 3.

Larsen, Robert G.: *See*—
Adelson, David E., and Larsen.

Larsen, Russell C., Hansen, Idaho. Tripping mechanism for revolving rakes. 2,583,655, Jan. 29.

Larsen, Victor A., Altadena, assignor to Saval Division of the William R. Whittaker Company, Ltd., Los Angeles, Calif. Fluid valve. 2,601,967, July 1.

Larsen, William, Brooklyn, N. Y. Sealed seat draft regulator. 2,620,984, Dec. 9.

Larsh, James H., Leadville, Colo. Liquid mixing device. 2,588,255, Mar. 4.

Larson, Arvid, East Meadow, N. Y. Single-edge razor blade sickle. 2,587,336, Feb. 26.

Larson, Carl A.: *See*—
Dudley, Raymond H., and Larson.

Larson, Carl W., assignor to Patent Management, Incorporated, Minneapolis, Minn. Magnetic brake for tremolos. 2,607,444, Aug. 19.

Larson, Carl W., assignor to Patent Management, Incorporated, Minneapolis, Minn. Adjustable friction drive. 2,608,872, Sept. 2.

Larson, Charles A., Fergus Falls, assignor of one-third to L. Pistner, St. Paul, and one-third to G. W. Welch, Fergus Falls, Minn. Air preheater for furnaces. 2,598,395, May 27.

Larson, Charles O., Sterling, Ill. Foldable chair. 2,587,176, Feb. 26.

Larson, Charles O., Sterling, Ill. Folding workbench. 2,587,177, Feb. 26.

Larson, Charles O., Sterling, Ill. Slatted awning. 2,605,520, Aug. 5.

Larson, David C., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Control mechanism. 2,611,451, Sept. 23.

Larson, Earl E., Wadsworth, and C. B. Luther, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Air-operated pressure indicating controller. 2,592,043, Apr. 8.

Larson, Edwin, Milwaukee County, Wis. Animal trap. 2,611,989, Sept. 30.

Larson, Emanuel, Val d'Or, Quebec, Canada. Ledge finder. 2,606,002, Aug. 5.

Larson, Erling C., Bellevue, assignor to National Products Company, Seattle, Wash. Safety door lock. 2,586,066, Feb. 19.

Larson, Forrest D., Anoka, Minn., assignor to Paper Calmenson & Co. Pulverizing blade cluster. 2,607,538, Aug. 19.

Larson, Frank L.: *See*—
Robbins, Sam E., and Larson.

Larson, Gilbert B., Geneva, and F. A. Kaman, Aurora, assignors to Independent Pneumatic Tool Company, Chicago, Ill. Axially offset, motor operated, impact-type wrench. 2,581,033, Jan. 1.

Larson, Gilbert B., Geneva, and J. A. Perham, Aurora, assignors to Independent Pneumatic Tool Company, Chicago, Ill. Flexible spindle for rotary power tools. 2,582,873, Jan. 15.

Larson, Gilbert C., Sunbury, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio apparatus. 2,611,111, Sept. 16.

Larson, Glen M., and H. B. Lewis, Los Angeles, Calif. Device for determining capillary fragility. 2,591,443, Apr. 1.

Larson, Gösta E., Enkoping, Sweden. Apparatus for the continuous cooling or drying of gas. 2,621,899, Dec. 16.

Larson, Harry D., assignor to Isaacson Iron Works, Seattle, Wash. Portable logging tower. 2,582,548, Jan. 15.

Larson, Harry G., Oakland, Calif. Sash mounting. 2,580,933, Jan. 1.

Larson, Herbert J., Fergus Falls, Minn. Veterinary obstetrical instrument. 2,618,272, Nov. 18.

Larson, Ilo L., Storm Lake, Iowa. Lever actuated tire bead breaker with wheel securing means. 2,602,494, July 8.

Larson, John V., Chicago, Ill. Self-adjusting pipe wrench of a spring impelled trigger actuator type. 2,623,428, Dec. 30.

Larson, Karl R., Aitkin, Minn. Variable weight sinker. 2,584,356, Feb. 5.

Larson, Kenneth R., Des Plaines, Ill. Driver coupler attachment. 2,613,780, Oct. 14.

Larson, Lars G., Chicago, Ill. Extensible drop-leaf table. 2,598,804, June 3.

Larson, Leonard: *See*—
Le Viseur, Kurt G., and Larson.

Larson, Leonard, and B. T. Berge, McGill, Nev., assignors to Kennecott Copper Corporation, New York, N. Y. Fluid pressure actuated motor. 2,619,938, Dec. 2.

Larson, Leroy J., Bagley, Minn. Surgical device. 2,581,114, Jan. 1.

Larson, Louis T., Houston, Tex. Latch means. 2,598,805, June 3.

Larson, Oscar E., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Jordan plug jacket. 2,601,814, July 1.

Larson, Oscar J., assignor to Art Metal Construction Company, Jamestown, N. Y. Follower for posting trays. 2,616,432, Nov. 4.

Larson, Ralph A.: *See*—
Maier, Curtis E., and Larson.

Larson, Ralph A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for removing excess wax coating from can flanges. 2,604,871, July 29.

Larson, Ralph L., Honolulu, Territory of Hawaii. Cane harvester. 2,609,648, Sept. 9.

Larson, Raymond G., Jr., Houston, Tex. Diving board. 2,594,459, Apr. 29.

Larson, Robert H., Batavia, and M. C. Supitilov, St. Charles, Ill., assignors to Du Kane Corporation. Film advance mechanism for projectors. 2,607,262, Aug. 19.

Larson, Roland W., Marshfield, Wis., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Tuning mechanism. 2,603,744, July 15.

Larson, Roy E., United States Navy. Electrical apparatus for testing radio equipment. 2,603,742, July 15.

Larson, Wesley S.: *See*—
Richardson, Henry M., and Larson.

Larson, William A., Los Angeles, Calif. Apparatus for molding dental inlays. 2,620,512, Dec. 9.

Larsson, Åke V.: *See*—
Sjöström, Charles G. E., and Larsson.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Spring. 2,583,487, Jan. 22.

Larsson, George E., assignor to Olin Industries, Inc., New Haven, Conn. Single-trigger mechanism. 2,581,339, Jan. 8.

Larsson, Gustaf: *See*—
Lindbergh, John H., and Larsson.

Larsson, Gustaf H., Alsten, near Stockholm, assignor to See Fabriks Aktiebolag, Sandviken, Sweden. Mandrel position adjustment means for pilgrim rolling mills. 2,593,772, Apr. 22.

Larsson, Joel A. A., Uppsala, assignor to Hjalmar Andren & Soner, Stockholm, Sweden. Metal spraying gun. 2,585,560, Feb. 12.

Larsson, John L. A., Nockeby, near Stockholm, Sweden. Shaking screen. 2,597,503, May 20.

Larsson, Markus, assignor to F. G. Liljenroth, Stockholm, Sweden. Extracting uranium from bituminous shales and shale culm containing uranium. 2,597,504, May 20.

La Rue, Albert D., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Mechanical movement. 2,621,311, Dec. 9.

La Rue, Donald G., Oakland, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Cargo tank mount. 2,606,039, Aug. 5.

Larselere, Henry B., Flint, Mich. Surgical instrument. 2,595,086, Apr. 29.

Larzelere, Samuel R., Philadelphia, Pa. Advertising folder. 2,582,908, Jan. 15.

La Salle Steel Co., assignee: *See*—
Bimba, Charles W., and Brown.
See, Theodore S.
See, Theodore S., and Frominelt.
Sims, Clarence E., and Landis.

Lascari, Joseph T., Torrington, Conn. Dry cleaning method and apparatus. 2,614,026, Oct. 14.

Lasch, Leopold: *See*—
Eastwood, Fred, Lasch, and Rogers.

Laserson, Frederick M., Los Angeles, Calif. Supplemental air supply mechanism for automotive engines. 2,584,033, Jan. 29.

Lash, James D., Cleveland Heights, Ohio, assignor to General Electric Company. Signal light. 2,593,901, Apr. 22.

Lasko, George A., Toledo, Ohio. Indicating apparatus. 2,616,941, Nov. 4.

Lasko Metal Products, Inc., assignee: *See*—
Victor, Joseph N.

Laskowitz, Isidor B., Brooklyn, N. Y. Quick closing substantially balanced gate valve. 2,614,790, Oct. 21.

Laskowski, Stanley C.: *See*—
Clinton, Raymond O., and Laskowski.

Lasky, Thomas S., Kingston, Pa. Oil filter. 2,601,404, June 24.

Lasley, Robert A., assignors, by mesne assignments, to L. G. Simmons, Chicago, Ill. Fuel injection system. 2,612,840, Oct. 7.

Lasley, Robert A., assignor, by mesne assignments, to L. G. Simmons, Chicago, Ill. Variable retraction discharge valve for fuel injection pumps. 2,612,841, Oct. 7.

Lassiter, Frederic H., Los Angeles, Calif. Toilet cleaning apparatus. 2,605,478, Aug. 5.

Lass O'Scotland, Ltd., assignee: *See*—
Feldman, Samuel.

Last, James, London, England, assignor to International Business Machines Corporation, New York, N. Y. Torque transmitting device. 2,588,017, Mar. 4.

Last, James, London, England, assignor to International Business Machines Corporation, New York, N. Y. Manufacture of type wheels. 2,602,397, July 8.

Last-Long Safety Hammer Co., assignee: *See*—
Piampiano, Frank, and Bennett.

Laster, Henry: *See*—
Snarck, Jack, and Laster.

Laster, John W.: *See*—
Young, Lloyd R., Jr., and Laster.

Lasure, Esther P.: *See*—
Gaver, Kenneth M., Lasure, and Thomas.
Gaver, Kenneth M., Lasure, and Tieszen.

Laszlo, Stephen E., assignee: *See*—
Lawrence, Andrew.

Latent Energy Motor Corporation, assignee: *See*—
Adams, Harold A.

Latham, Allen, Jr., Jamaica Plain, assignor to Arthur D. Little, Inc., Cambridge, Mass. Distillation apparatus and method. 2,589,406, Mar. 18.

Latham, Allen, Jr., Jamaica Plain, Mass., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Seal for blast furnace hoppers and bells. 2,599,334, June 3.

Latham, Allen, Jr., Jamaica Plain, and J. R. Swanton, Jr., Newton, Mass., assignors, by mesne assignments, to Hodges Research and Development Company, San Francisco, Calif. Apparatus for refrigerating enclosures. 2,591,168, Apr. 1.

Latham, Allen E., Walnut Creek, Calif. Drapery mounting. 2,618,328, Nov. 18.

Latham, Haverman P., Cresskill, N. J., W. E. Barch, New York, H. K. Steele, Dobbs Ferry, and L. Zuckerman, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Icing composition and making. 2,607,693, Aug. 19.

Lathan, Alex S., assignee: *See*—
Langer, Joseph A.

Lathe, Frank E., Ottawa, Ontario, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada. Magnesia-alumina-silica refractories. 2,599,184, June 3.

Lathe, Frank E., Ottawa, Ontario, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada. Consolidating refractory materials. 2,621,131, Dec. 9.

Lathers, William C., Jr., Madison, Wis. Plant guard for cultivators. 2,597,111, May 20.

Lathrop, Elbert C., and T. R. Naffziger, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Shock-resistant product. 2,603,156, July 15.

Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Container washing apparatus. 2,621,667, Dec. 16.

Lathrop, Harvey, Forest Hills, N. Y. Memorandum device. 2,615,730, Oct. 28.

Lathrop-Paulson Company, The, assignee: *See*—
Lathrop, Harry D.
Schwarzkopf, Vergil.

Lathrop, Robert P., Chevy Chase, Md., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Constant tension winding. 2,610,806, Sept. 16.

Lathrop, Ross M.: *See*—
Daily, Sherwood, Lathrop, and Hintz.

Latimer, Charles A., Toledo, Ohio. Power transmission. 2,595,274, May 6.

Latimer, Kenneth E., London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Loud-speaking telephone arrangement. 2,606,252, Aug. 5.

La Torre, Richard R., and T. W. George, Washington, D. C. Mount for tensile testing specimens of textile material. 2,608,857, Sept. 2.

Latour, André, Grenoble, France. Operating means for electric switches. 2,584,888, Feb. 5.

Latour, André, assignor to Etablissements Merlin & Gerin, Grenoble, France. Device for preventing humidity in enclosures containing insulating parts. 2,584,889, Feb. 5.

Latour, André, Grenoble, France. Switch with pressure fluid arc extinguishing. 2,588,933, Mar. 11.

Latour, André, Grenoble, France. Compressed air switch with delayed break connector. 2,596,254, May 13.

Latour, André, Grenoble, France. Spark arrester for pressure gas switches. 2,599,848, June 10.

La Tour, Clifford S., assignor to Lyn-Chicago Corporation, Chicago, Ill. Infant's feeding set. 2,596,255, May 13.

Latourelle, Harry E., assignor to Reinhard Brothers Company, Minneapolis, Minn. Magneto tester. 2,611,265, Sept. 23.

Latta, Allen E.: *See*—
Hageal, Neal, and Latta.

Latta, Edward, Owosso, and A. J. Woltanski, Henderson, assignors to Redmond Company, Inc., Owosso, Mich. Parking control for windshield wipers. 2,611,116, Sept. 16.

Latta, Isaac R., Drexel Hill, Pa., assignor to General Electric Company. Indicator light for control switches. 2,588,129, Mar. 4.

Latta, Isaac R., Drexel Hill, Pa., assignor to General Electric Company. Fabricated terminal board. 2,623,087, Dec. 23.

Latta, Lester W.: *See*—
Culpepper, Frank M., and Latta.

Latta, Marvin, and J. Higgins, Mount Vernon, Ill. Automatic trot line setter. 2,599,113, June 3.

Latta, William E., Aliquippa, assignor to Pittsburgh Forgings Company, Coraopolis, Pa. Rotary hoe. 2,604,026, July 22.

Lattig, Charles I., deceased, by B. E. Ford, administrator, Columbus, Ohio, assignor to Link-Belt Company. Hydraulic pulsator transmission system for converting rotary motion into reciprocatory motion. 2,580,561, Jan. 1.

Lattner, Emert J., Cedar Rapids, Iowa, assignor to Century Engineering Corporation. Rotary blower support. 2,615,617, Oct. 28.

Lattuca, John, Brooklyn, N. Y. Receptacle comb. 2,585,561, Feb. 12.

Lau Blower Company, The, assignee: *See*—
Ganger, Karl M., and Burrowes.

Lau Bach, Neal B., assignor to Hudson Engineering Corporation, Houston, Tex. Cooling tower. 2,606,008, Aug. 5.

Laubaugh, Elmer C., Baldwin, Mich. Signal lamp for use on motor vehicles. 2,596,256, May 13.

Laubin, Clarence W., Snyder, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Pumping apparatus. 2,595,861, May 6.

Laubly, Richard, Westport, Conn. Slingshot. 2,585,663, Feb. 12.

Lauck, John A., Shaker Heights, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Power unit with thermostatic control. 2,594,460, Apr. 29.

Lauder, David N., Dumont, N. J. Combination penlite voltage and continuity tester. 2,616,952, Nov. 4.

Lauder, Wallace A., West Nyack, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Safety cabinet switch. 2,584,390, Feb. 5.

Lauenstein, Carl F., Indianapolis, Ind., assignor to Link-Belt Company. Reactor assembly. 2,588,018, Mar. 4.

Lauer, Howard V., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp. 2,598,806, June 3.

Lauffer, Jacob R., Valley Stream, assignor to Miller-Lauffer Printing Equipment Corp., New York, N. Y. Feed mechanism for flexible sheets such as envelopes. 2,621,928, Dec. 16.

Laugaudin, Eugene, Toulouse, France. Oleo pneumatic shock absorber. 2,614,833, Oct. 21.

Laughlin, Roy F., Orlando, Fla. Can aligner and conveyer. 2,587,740, Mar. 4.

Laughter, D. Robert, trustee, assignee: *See*—
Noodleman, Samuel.

Lauhoff Grain Company, assignee: *See*—
Darling, Elton R., and Yelland.
Yelland, William E. C.

Laun, Kermit D., New Holland, Ill. Apparatus for raising reclining corn plants to vertical positions. 2,601,305, June 24.

Launder, James M., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Overload release for load actuator. 2,614,672, Oct. 21.

Laurence, Lawton L.: *See*—
Gard, Clare D., and Laurence.

Laurence, Lawton L., Kansas City, Mo., assignor to Standard Oil Development Company. Preparation and use of fluid plugs in oil well cementing. 2,582,909, Jan. 15.

Laurence, Roger F., Guildford, assignor to Kenwood Manufacturing Company Limited, Old Woking, Surrey, England. Domestic mixing apparatus. 2,584,887, Feb. 5.

Laurenson, William R., Falls Church, Va. Flooding control for ships. 2,596,417, May 13.

Laurent, François, assignor to Etablissements Emel, Paris, France. Object-glass with a variable focal length. 2,609,727, Sept. 9.

Laurent, Milton P., Houston, Tex. Closure joint. 2,582,995, Jan. 22.

Laurent, Milton P., Houston, Tex. Seal for gate valve bonnets. 2,582,996, Jan. 22.

Laurent, Milton P., Houston, Tex. Closure. 2,582,997, Jan. 22.

Laurent, Milton P., Houston, Tex., assignor to W-K-M Company. Gate valve. 2,583,512, Jan. 22.

Laurent, Milton P., Houston, Tex. Rotary plug valve. 2,612,340, Sept. 30.

Laurent, Robert L.: *See*—
Jean, Marcel C., Lelong, and Laurent.

Laurin, Eugene: *See*—
Laurin, James W. and E.

Laurin, James W. and E., International Falls, Minn. Automatic door holder. 2,590,423, Mar. 25.

Lauring, Edgar A., International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Flame retarding composition. 2,594,937, Apr. 29.

Laurito, Pietro J., Austin, Tex. Automatic fishing float. 2,606,385, Aug. 12.

Lauritsen, Charles C., assignor to California Institute Research Foundation, Pasadena, Calif. Roentgen meter. 2,594,660, Apr. 29.

Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher for retro-bombing apparatus. 2,608,132, Aug. 26.

Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket. 2,608,931, Sept. 2.

Laury, Hervé, St. Cloud, France. Arrangement for indicating the level of oil in the crankcases of motor cars and the like vehicle engines. 2,623,143, Dec. 23.

Lausch, Elizabeth C., Garfield, N. J. All-purpose garment hanger. 2,609,977, Sept. 9.

Lautenberger, Elmer W., Schenectady, N. Y., assignor to General Electric Company. Dual plug ignition system. 2,590,778, Mar. 25.

Lautenbach, Friedrich: *See*—
Uhink, Friedrich, Lautenbach, Irtenkauf, Fickenscher, and Haller.

Lauterbach, Charles E., Pasadena, Calif. Revolving target. 2,580,799, Jan. 1.

Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Medical practice chair with back rest locking means. 2,595,394, May 6.

Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Headrest for medical practice chairs. 2,612,212, Sept. 30.

Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Medical practice chair with adjustable leg and footrest supports. 2,612,940, Oct. 7.

Lauterbur, Ray A.: *See*—
Foster, Theodore D., and Lauterbur.

Lauterwasser, Robert C., Ludington, Mich. Fishing lure. 2,594,038, Apr. 22.

Lauton, William M., assignor to Koverroll, Inc., Miami, Fla. Toilet tissue holder cover. 2,590,552, Mar. 25.

Laux, Frederick B.: *See*—
Robinson, Ronald R., and Laux.

L'Auxiliarie des Cheminis de Fer & de L'Industrie, assignee: *See*—
Vialatout, François M.

Lavander, Edward J., assignor, by mesne assignments, to Vertiecraft Mfg. Corporation, Chicago, Ill. Glass cutting device. 2,595,862, May 6.

Lavanish, Michael, Cleveland, Ohio. Combination cigarette case and implement. 2,611,480, Sept. 23.

Lavarack, Frederick C.: *See*—
Brown, Harold J., and Lavarack.

Lavarack, Frederick C., Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond. 2,600,118, June 10.

Lavarack, Frederick C., Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y. Head-of-rail bond. 2,622,903, Dec. 23.

Lave, Edward D., Chicago, Ill. Combination sash holder and weather seal. 2,586,672, Feb. 19.

Lavelle, Thomas B., Churchville, and A. F. Herzog, Newton, Pa. Power unit and wagon unloader. 2,595,395, May 6.

Lavely, Paul H., Pittsburgh, Pa., assignor to Koppers Company, Inc. Automatic interlock for pusher machines and coke guide machines. 2,589,266, Mar. 18.

Lavely, Paul H., Pittsburgh, Pa., assignor to Koppers Company, Inc. Pusher machine with articulated pusher bar. 2,609,948, Sept. 9.

Lavely, Paul H., Pittsburgh, Pa., assignor to Koppers Company, Inc. Leveler bar and reciprocable frame. 2,609,949, Sept. 9.

Lavender, Anthony E., Hartford, Conn. Automobile radiator cleaning device. 2,580,800, Jan. 1.

Lavender, James L., assignor of one-sixth to H. E. Wicker, one-sixth to J. D. Glicco, and one-sixth to C. A. Hall, Gainesville, Fla. Fishing rod holder. 2,617,616, Nov. 11.

Lavett, Charles O., Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for removing the product film from a revolving drum surface. 2,592,914, Apr. 15.

Laviana, Lawrence J.: *See*—
Van Valkenburgh, Merritt, and Laviana.

La Viano, Michael J.: *See*—
White, Ezekiel F., and La Viano.

Lavigna, Marcel G., Brooklyn, N. Y. Interchangeable casing wrist watch. 2,605,604, Aug. 5.

Lavin, Jose D., assignee: *See*—
Gonzalez, Gilberto S. and C. S.

Lavoie, Alfred, Roberval, Quebec, Canada. Insulation slitting tool. 2,591,560, Apr. 1.

Lavrino, Anthony: *See*—
MacDonald, Frederick W., and Lavrino.

Law, Edith D., Piedmont, Calif. Infant's restraining harness. 2,623,678, Dec. 30.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Monoscope target for pickup tubes. 2,588,019, Mar. 4.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Control grille assembly for color-kinescopes, etc. 2,602,145, July 1.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Base electrodes for semiconductor devices. 2,609,428, Sept. 2.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Semiconduction electrode construction. 2,609,429, Sept. 2.

Law, John M., South St. Paul, Minn. Automobile luggage carrier. 2,594,319, Apr. 29.

Law, Peter L., Roseville, near Sydney, New South Wales, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, State of New South Wales, Australia. Registering arrangement for article dispensing systems. 2,608,348, Aug. 26.

Law, Peter L., Roseville, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article dispensing system. 2,611,540, Sept. 23.

Law, Peter L., Roseville, near Sydney, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Selection circuits. 2,611,814, Sept. 23.

Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. High-frequency apparatus. 2,591,947, Apr. 8.

Law, Russell R., Princeton Township, Mercer County, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,595,677, May 6.

Law, Russell R., Princeton Township, Mercer County, N. J., assignor to Radio Corporation of America. Grid structure for electron tubes. 2,621,303, Dec. 9.

Law, Russell R., Princeton, and F. H. Norman, Cranbury, N. J., assignors to Radio Corporation of America. Beam deflection tube amplifier. 2,585,798, Feb. 12.

Law, Russell R., and L. Pensak, Princeton, N. J., assignors to Radio Corporation of America. Ultrahigh-frequency electron discharge device. 2,599,263, June 3.

Lawler, John J., assignor to Ajax Buff Company, Chicago, Ill. Buffing wheel. 2,602,273, July 8.

Lawler, John J., assignor to Ajax Buff Company, Chicago, Ill. Buffing wheel. 2,602,274, July 8.

Lawless, Grant P.: *See*—
Pressing, Robert W., Lawless, and Pettibone.

Lawless, Nathan M., Muskego Heights, Mich., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,595,959, May 6.

Lawlor, Francis E., Niagara Falls, assignor to Niagara Alkali Company, New York, N. Y. Photochlorination of alkyl aromatics with liquid chlorine. 2,608,532, Aug. 26.

Lawlor, Francis E., Niagara Falls, assignor to Niagara Alkali Company, New York, N. Y. Substitution chlorination of aromatic compounds with liquid chlorine. 2,608,591, Aug. 26.

Lawlor, Francis E., and M. B. Brodbeck, Niagara Falls, assignors to Niagara Alkali Company, New York, N. Y. Chlorination with liquid chlorine of aromatic compounds containing an alkyl side chain. 2,608,592, Aug. 26.

Lawlor, Francis E., Philadelphia, Pa., and F. Casciani, Lewiston, assignors to Niagara Alkali Company, New York, N. Y. Bactericidal and fungicidal composition. 2,615,823, Oct. 28.

Lawlor, Joseph P., Ames, Iowa. Filter underdrain. 2,594,568, Apr. 29.

Lawndale Enameling Co., assignee: *See*—
Lander, Arthur M.

Lawrance, Richard B., and J. L. Middleton, Jr., assignors to National Research Corporation, Cambridge, Mass. High-vacuum pump. 2,585,139, Feb. 12.

Lawrence, Andrew, assignor of one-half to S. E. Laszlo, New York, N. Y. Breech mechanism for air guns. 2,601,033, June 17.

Lawrence, Andrew, assignor of one-half to S. E. Laszlo, New York, N. Y. Magazine loader for air guns. 2,609,811, Sept. 9.

Lawrence, David N., New York, N. Y. Coating fragile objects made from hydrated alginate or hydrocolloid materials. 2,623,913, Dec. 30.

Lawrence, Donald M.: *See*—
Peterson, Joel D., and Lawrence.

Lawrence, Edward A., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Distillation of fatty acids. 2,610,142, Sept. 9.

Lawrence, Ernest O., Berkeley, assignor to Chromatic Television Laboratories, Inc., San Francisco, Calif. Cathode-ray tube for polychrome television apparatus. 2,614,231, Oct. 14.

Lawrence, Ernest O., Berkeley, assignor to Chromatic Television Laboratories, Inc., San Francisco, Calif. Television scanning system. 2,619,612, Nov. 25.

Lawrence, Forby W., Selma, Ala. Power saw assembly for tractors. 2,603,249, July 15.

Lawrence, Glenn A., Belfast, Maine. Apparatus for smoking fish. 2,585,799, Feb. 12.

Lawrence, Harold J.: *See*—
Hennessy, Mark M., and Lawrence.

Lawrence, Howard C., Jr.: *See*—
Consalvi, Anthony L., Webber, and Lawrence.

Lawrence, Howard C., Delaware Township, Camden County, and G. E. Yewdall, Palmyra, N. J., assignors to Radio Corporation of America. Relay control system. 2,611,808, Sept. 23.

Lawrence, J. Richard, assignor to The Washburn Company, Worcester, Mass. Can opener. 2,615,241, Oct. 28.

Lawrence, Jay, Philadelphia, Pa. Display device for illuminated transparencies. 2,588,545, Mar. 11.

Lawrence, Joseph W., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Stabilized nitromannite product and making the same. 2,616,919, Nov. 4.

Lawrence, Joseph W., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Stabilized nitromannite product and making the same. 2,616,920, Nov. 4.

Lawrence, Oscar B., Birmingham, Ala. Protective device for trousers. 2,607,920, Aug. 26.

Lawrence Products Company, Inc., assignee: *See*—
St. Jean, Paul J., and Pruitt.

Lawrence, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Explosive device. 2,595,960, May 6.

Lawrence, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge. 2,622,528, Dec. 23.

Lawrence, Robert W.: *See*—
Greer, John E., and Lawrence.

Lawrence, Roger C., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,589,713, Mar. 18.

Lawrence, Wilbur T., Baltimore, Md. Key duplicating device. 2,619,713, Dec. 2.

Lawrenz, Frederich H., Dallas, Tex. Trotline snell fastener and hook shield. 2,592,438, Apr. 8.

Lawrenz, Otto, assignor to Peerless Tool & Engineering Co., Chicago, Ill. Fishing tackle assembly. 2,586,170, Feb. 19.

Lawrie, Albert E., and L. W. Needham, assignors to Collery Engineering Limited, Sheffield, England. Separation of solid materials of different specific gravities. 2,621,790, Dec. 16.

Lawson, Anna, Detroit, Mich. Valve mechanism for fountain toothbrushes. 2,607,513, Aug. 19.

Lawson, Birdsall P., assignor to Pilling Chain Company, Providence, R. I. Automatic lock slider for separable fasteners. 2,591,948, Apr. 8.

Lawson, Dennis I., and A. V. Lord, assignors to Pye Limited, Cambridge, England. Television receiver with sound recurring as pulses during blanking periods. 2,589,100, Mar. 11.

Lawson, E. P., Co. Inc., assignee: *See*—
Seybold, Frederick W.

Lawson, George S., Perry, and J. C. Lawson, Euclid, assignors to Future Products, Inc., Cleveland, Ohio. Apparatus for distributing rubber in molds. 2,583,955, Jan. 29.

Lawson, Gustaf R.: *See*—
Benander, George R., and Lawson.

Lawson, Harry W., assignor to Alpine Corporation, Chicago, Ill. Flooring composition of blown petroleum residue and asbestos fiber. 2,599,264, June 3.

Lawson, James C.: *See*—
Lawson, George S. and J. C.

Lawson, James L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic duplexing device. 2,603,743, July 15.

Lawson, James L., Schenectady, N. Y., assignor to General Electric Company. Electronic counter. 2,584,720, Feb. 5.

Lawson, James L., and H. R. Kratz, Schenectady, and G. L. Ragan, Glenville, N. Y., assignors to General Electric Company. Apparatus for accelerating charged particles. 2,622,194, Dec. 16.

Lawson, John E., St. Paul, Minn. Float marker. 2,595,531, May 6.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Polarity reversing switch. 2,587,178, Feb. 26.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Direction signaling system. 2,602,849, July 8.

Lawson, Raymond H., Algonquin, Ill. Rural mailbox signal means. 2,609,787, Sept. 9.

Lawson, Robert H.: *See*—
Grothey, Ivan W., and Lawson.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,618,794, Nov. 25.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Fabric roll take-up for knitting machines. 2,586,470, Feb. 19.

Lawson, Walter E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Liner for hollow charges. 2,605,703, Aug. 5.

Lawson, William E., Jr., and W. E. Lawson, Sr., Rahway, N. J. Expansible toy and bank. 2,598,807, June 3.

Lawson, William E., Sr.: *See*—
Lawson, William E., Jr., and W. E. Lawson, Sr.

Lawter, Curtis N., Trenton, N. J., assignor to Packard Motor Car Company, Detroit, Mich. Starter and ignition means for turbojet engines. 2,613,499, Oct. 14.

Lawver, James E.: *See*—
Le Baron, Ira M., McClintock, and Lawver.

Lawver, James E., Lakeland, Fla., assignor to International Minerals & Chemical Corporation. Recovery of metallic minerals from phosphate-silica ores containing minor amounts of the metallic minerals. 2,614,692, Oct. 21.

Lax, Ladislav, assignor to Pye Limited, Cambridge, England. Black level control in television transmission. 2,620,392, Dec. 2.

Lax, Martin, Bronx, N. Y. Filter mechanism. 2,601,156, June 17.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can tester feed mechanism. 2,602,532, July 8.

Laxo, Ed, Oakland, Calif. Self-locking mechanism for tilting top drafting tables. 2,605,156, July 29.

Lay, Andy R., Council, Idaho. Scraper attachment for tractors. 2,614,345, Oct. 21.

Lay Corporation, assignee: *See*—
Lay, Giles P.

Lay, Giles P., Ontario, assignor to Lay Corporation, Portland, Oreg. Hydraulic automatic selective transmission, including tilt plates. 2,583,656, Jan. 29.

Lay, Harvey T., assignor to Western Metalcraft, Inc., Olympia, Wash. Right angle mounting cabinet front unit. 2,593,317, Apr. 15.

Lay, John L., Ogden, assignor to A. H. Wirz, Inc., Chester, Pa. Molding threaded articles. 2,587,337, Feb. 26.

Lay, John L., Boothwyn, assignor to A. H. Wirz, Inc., Chester, Pa. Screw threaded elastic closure cap. 2,617,553, Nov. 11.

Layberger, Arthur J., Havertown, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Hammer mill feed delivery chute, including dust guards. 2,609,996, Sept. 9.

Laycock, Ernest H., Tampa, Fla. Coil winding reel assembly. 2,614,588, Oct. 21.

Laycock, Kenneth G., Shavertown, Pa. Web tension apparatus. 2,623,703, Dec. 30.

Layne, Richard M., Oakland, Calif. Coaster. 2,595,961, May 6.

Layng, Edwin T.: *See*—
Frankenburg, Walter G., and Layng.

Layng, Edwin T., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis using a spent ammonia synthesis catalyst. 2,588,452, Mar. 11.

Laystrom, Carl A., Decatur, and H. R. Sigler, Argenta, assignors to Faries Manufacturing Company, Decatur, Ill. Cabinet with removable shelf. 2,584,274, Feb. 5.

Layte, Ralph R., Westfield, assignor to Purolator Products, Inc., Newark, N. J. Plastic edge type filter. 2,582,340, Jan. 15.

Layton, Joseph E., Hinsdale, Ill., assignor to International Harvester Company. Freezing container. 2,621,488, Dec. 16.

Lazan, Benjamin J., Syracuse, N. Y., assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Fatigue testing machine. 2,591,444, Apr. 1.

Lazarus, Harry J., New York, N. Y. Animated picture viewer and pictures in book form. 2,607,263, Aug. 19.

Lazarus, Sanford S., assignee: *See*—
Griffin, John W.

Lazarus, Sanford S.: *See*—
Griffin, John W., and Lazarus.

La Zerte, James D., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Production of tetrafluoroethylene from a salt of trifluoroacetic acid. 2,601,536, June 24.

Lazier, Wilbur A.: *See*—
Bordenca, Carl, and Lazier.

Lazrus, Benjamin, assignor to Benrus Watch Company, Inc., New York, N. Y. Wrist watch and bracelet. 2,591,078, Apr. 1.

Lazzery, Angelo G.: *See*—
Mackey, Donald, and Lazzery.

Lazzery, Angelo G., Oaklyn, N. J., assignor to Radio Corporation of America. Variable tuning system. 2,600,119, June 10.

Lazzery, Angelo G., Oaklyn, N. J., assignor to Radio Corporation of America. Multiple band turret-type tuning system. 2,611,807, Sept. 23.

"Le Joint Francais," assignee: *See*—
Augereau, Gaston.

Le Materiel Electrique S. W., assignee: *See*—
David, Roland P. L. M.

Lea, John L., Grenada, Calif. Gem vise. 2,612,735, Oct. 7.

Lea Manufacturing Company, The, assignee: *See*—
Candee, Ellsworth T.

Lea, Peggy J., Merriam, Kans., assignor to Phillips Petroleum Company. Low water-loss cement slurry. 2,614,998, Oct. 21.

Lea, Peggy J., Kansas City, Mo., and H. B. Fisher, Bartlesville, Okla., assignors to Phillips Petroleum Company. Low water-loss cement and making. 2,583,657, Jan. 29.

Lea, Peggy J., Kansas City, Mo., and H. B. Fisher, Bartlesville, Okla., assignors to Phillips Petroleum Company. Low water-loss cement slurry and cementing. 2,614,634, Oct. 21.

Lea, Peggy J., Kansas City, Mo., and H. B. Fisher, Bartlesville, Okla., assignors to Phillips Petroleum Company. Low water-loss cement slurry. 2,619,181, Nov. 25.

Leach, Byron E., assignor to The Upjohn Company, Kalamazoo, Mich. Extraction of cycloheximide. 2,612,502, Sept. 30.

Leach, Clayton B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Belleville rotator and spring surge damper. 2,613,656, Oct. 14.

Leach Company, assignee: *See*—
Clapp, George D.

Leach, John M., Port Washington, N. Y. Hook conveyer. 2,609,082, Sept. 2.

Leach, John M., Port Washington, N. Y. Material transfer for conveyers. 2,609,083, Sept. 2.

Leach, Kant F., Englewood, Colo. Multiple coat hanger support. 2,609,104, Sept. 2.

Leach, Lester L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Resilient mounting for pulverizer grinding rings. 2,595,587, May 6.

Leader Electric Company, assignee: *See*—
Yellin, Edward.

Leaders, William M.: *See*—
Lacey, Felix E., and Leaders.

Leaf, Bernard P.: *See*—
Johnson, John M., and Leaf.

Leaf Brands, Inc., assignee: *See*—
Leaf, Marshall S.

Leaf, Marshall S., assignor to Leaf Brands, Inc., Chicago, Ill. Combined bank, coin controlled gum vender, and game. 2,606,088, Aug. 5.

Leahy, Gilbert T., assignee: *See*—
Leahy, Patrick T.

Leahy, James F.: *See*—
Ashley, John W., and Leahy.
Shaw, Harold G., Leahy, and Ashley.

Leahy, James F., and J. W. Ashley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in the attachment of heels to shoes. 2,600,507, June 17.

Leahy, James F., and J. W. Ashley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Attaching heels to shoes. 2,607,061, Aug. 19.

Leahy, James F., and J. W. Ashley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Clamping apparatus for use in the attachment of heels to shoes. 2,618,795, Nov. 25.

Leahy, Patrick T., assignor to G. F. Metzger and G. T. Leahy, Cleveland, Ohio. Rotary hydraulic coupling. 2,602,296, July 8.

Leake, Armistead, assignor to The Lerio Corporation, Mobile, Ala. Bilge drum assembling machine. 2,613,625, Oct. 14.

Leake, James M., Monroe, Mich. Hub. 2,615,764, Oct. 28.

Leake, James M., Monroe, Mich. Making engine rocker arms. 2,617,178, Nov. 11.

Leake, Thomas C., New York, N. Y. Fuel injector for starting internal-combustion engines. 2,582,637, Jan. 15.

Leake, Thomas C., New York, N. Y. Gas saving device and starting auxiliary fuel injector for internal-combustion engines. 2,623,512, Dec. 30.

Leander, Russell J., assignor to Chicago Show Printing Co., Chicago, Ill. Duplex adhesive display. 2,603,899, July 22.

Lear, Floyd R., Sr., assignor to Industrial Gravure Company, Easton, Pa. Roller etching machine. 2,602,024, July 1.

Lear, Incorporated, assignee: *See*—
Minorsky, Nicholas.
Ridgely, Holland F., and Crocker.

Lear, Max M., Jr., assignor to Monarch Fuse Co., Ltd., Jamestown, N. Y. Electrical wiring box. 2,620,081, Dec. 2.

Learmonth, Eric M., Charlwood, assignor to British Soya Products Limited, London, England. Treatment of soya beans and other leguminous seeds. 2,614,045, Oct. 14.

Learned, Charles H., Carmel, Calif. Mirror signaling device. 2,589,618, Mar. 18.

Learned, Vincent R., Garden City, assignor to The Sperry Corporation, Great Neck, N. Y. Temperature compensated cavity resonator structure. 2,606,302, Aug. 5.

Leary, Edward J., San Francisco, Calif. Snow dissolver. 2,602,443, July 8.

Leas, William J., Tulsa, Okla., assignor to Standard Oil Development Company. Cell for measuring relative permeability. 2,618,151, Nov. 18.

Leash, Nell A., assignor to Stockton Box Company, Stockton, Calif. Box lid making machine. 2,603,253, July 15.

Leatherman, John G., Hamilton, Ohio. Safety razor. 2,583,057, Jan. 22.

Leathers, L. M., Sons, assignee: *See*—
Tufts, William F.

Leaton, Mary R., Kansas City, Mo. Diaper pants. 2,591,079, Apr. 1.

Leavens, William B., Jr., West Orange, N. J. Boxmaking machine. 2,580,562, Jan. 1.

Leavie, Louis H., Kew Garden Hills, N. Y. Humidifying valve for steam radiators. 2,605,970, Aug. 5.

Leavitt, Jack C., Independence, assignor of 50 per cent to E. E. Bechtelheimer, Astoria, Oreg. Portable camping sink. 2,594,938, Apr. 29.

Leavitt, James P. H.: *See*—
Coleman, Willits E., and Leavitt.

Leavitt, James P. H., Wayne, Pa., assignor to Container Corporation of America, Chicago, Ill. Bottle cap display structure. 2,605,893, Aug. 5.

Leavitt, Minard A.: *See*—
Holcomb, Arthur L., and Leavitt.

Le Baron, Ira M., Lakeland, Fla., assignor to International Minerals & Chemical Corporation. Concentrating nonmetallic minerals. 2,604,208, July 22.

Le Baron, Ira M., Lakeland, W. O. McClintock, Mulberry, and J. E. Lawver, Lakeland, Fla., assignors to International Minerals and Chemical Corporation. Beneficiation of nonmetallic ores. 2,586,545, Feb. 19.

Lebeda, Joseph J., assignee: *See*—
Johansen, Gordon W., and Copley.

Lebeda, Paul A., Cedar Rapids, Iowa. Fuel nozzle. 2,589,559, Mar. 18.

Lebenbaum, Paul, Jr., and A. Fisher, Lynn, Mass., assignors to General Electric Company. Dynamoelectric apparatus. 2,588,320, Mar. 4.

Lebensfeld, Harry, assignor to United Industrial Syndicate, Inc., New York, N. Y. Ball-bearing assembly 2,592,811, Apr. 15.

Lebensfeld, Moe, and M. Buxbaum, Brooklyn, N. Y. Toy drum. 2,620,703, Dec. 9.

Lebertre, Maurice: *See*—
Mozzanini, Georges G., and Lebertre.

Le Blanc, Charles, Montreal, Quebec, Canada. Mill hammer with removable tip. 2,605,972, Aug. 5.

Le Blanc, Henry J., Attleboro Falls, Mass., assignor to Swank, Inc. Initial mounting. 2,604,712, July 29.

Le Blanc, Henry J., Attleboro Falls, Mass., assignor to Swank, Inc. Key holder. 2,604,775, July 29.

Leblans, Leopold M. L. J.: *See*—
Rinia, Herre, van Alphen, van Weenen, Leblans, and Bouwers.

Le Blond, R. K., Machine Tool Co., The, assignee: *See*—
Meyer, Walter R.
Meyer, Walter R., and Siekmann.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Groene, William F.
Le Blond, Richard K., and Kemper.
Siekmann, Harold J., and Kasselmann.
Siekmann, Harold J., and Meyer.

Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Milling machine transmission control mechanism. 2,591,268, Apr. 1.

Le Boeuf, Oscar J., Gary, Ind. Egg breaker and separator. 2,589,408, Mar. 18.

Le Bon, Charles B., III: *See*—
Best, Melvin H., and Le Bon.

Lebovitz, Phillip: *See*—
Bell, George, and Lebovitz.

Lebreton, Pierre, Paris, France. Combined control for radio receivers. 2,605,643, Aug. 5.

Le Bron, Roderick, and W. R. Heck, Omaha, Nebr. Sheet metal cutting apparatus. 2,610,685, Sept. 16.

Le Bus, Franklyn L., Longview, Tex. Drum winding apparatus. 2,599,926, June 10.

Le Bus, Franklyn L., Longview, Tex. Cable winding apparatus. 2,620,996, Dec. 9.

Lecarme, Jacques A. M., Aix-en-Provence, assignor to Societe Anonyme dite: Societe National de Constructions Aeronautiques du Sud-Est, Paris, France. Control device for aircraft. 2,618,447, Nov. 18.

Lecher, Hans Z.: *See*—
Whitehouse, Karl C., and Lecher.

Lecher, Hans Z., Plainfield, and T. H. Chao, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Monosulfuric acid esters of polyalkylene glycols. 2,606,202, Aug. 5.

Lecher, Hans Z., Plainfield, and T. H. Chao, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. S-polyalkylene glycol derivatives of thiuronium salts. 2,607,803, Aug. 19.

Lecher, Hans Z., Plainfield, and K. C. Whitehouse, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Sulfur halide derivatives of dihydroanthraquinone. 2,616,902, Nov. 4.

Lecher, Hans Z., Plainfield, and D. R. Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Acylation of diarylguanidine salts of diamino dibenzothiophenedioxide sulfonic acids. 2,619,490, Nov. 25.

Leckey, Robert: *See*—
Langfeld, Daniel, Leckey, Olson, and Webb.

Leclabart, Jean, Paris, France. Heating clip for permanent hair waving. 2,621,664, Dec. 16.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Apparatus for dispensing lubricant to the wheels or rollers of chain conveyers. 2,594,039, Apr. 22.

Le Clair, Camille C. S., London, assignor to Tecalemit Limited, Brentford, England. Nipple or lubricant receiving device. 2,594,040, Apr. 22.

Le Clair, Camille C. S., Acton, London, England. Apparatus to lubricate rolling elements of chain conveyers or rolling stock. 2,594,041, Apr. 22.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Lubrication system. 2,594,320, Apr. 9.

Le Clair, Camille C. S., London, assignor to Tecalemit Limited, Brentford, England. Valved lubrication nozzle. 2,595,211, Apr. 29.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Centrifugal clarifier. 2,605,046, July 29.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Grease gun having reservoir cover and automatic locking means therefor. 2,610,768, Sept. 16.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Unloader for hydraulic pumps. 2,619,979, Dec. 2.

Le Claire, Eugene J., and B. J. Heinzman, assignors to H. F. Joesting, St. Paul, Minn. Boiler feed system. 2,608,202, Aug. 26.

Le Clair, Willis E., Peekskill, assignor to Interchemical Corporation, New York, N. Y. Web handling device. 2,597,877, May 27.

Le Clair, Willis E., Peekskill, and E. De Lia, Brooklyn, assignors to Interchemical Corporation, New York, N. Y. Decorative and protective sheet. 2,617,750, Nov. 11.

Lecocq, Jean: *See*—
Abel, Marcel, and Lecocq.

Le Compte, Frank M., Chatham, N. J., assignor to Curtiss-Wright Corporation. Forming damping structures. 2,581,193, Jan. 1.

Lecroy, Thomas T., Phoenix, Ariz. Chair having adjustable seat and leg rest. 2,608,237, Aug. 26.

Lecuir, René, Paris, France, assignor to Compagnie Generale de Telegraphie, Sans Fil. Manufacture of refractory articles. 2,584,475, Feb. 5.

Lecuir, René, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Manufacturing plastic ceramic masses from lamellar organic substances. 2,603,837, July 22.

Ledbetter, Ellsworth C., Detroit, assignor to K. R. Jorgensen, Grosse Pointe Park, Mich. Apparatus for tensioning studs. 2,600,549, June 17.

Ledbetter, Ernest F., Chicago, Ill. Hair curler. 2,608,195, Aug. 26.

Ledbetter, James, Centralia, Ill. Apparatus for constructing concrete floors. 2,609,585, Sept. 9.

Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical instrument with permanent magnet core. 2,607,812, Aug. 19.

Lederfine, Joseph, Brooklyn, N. Y. Mouth organ with fingering selector. 2,610,538, Sept. 16.

Ledermann, Bill L., Beverly Hills, Calif. Telephone base accessory holder. 2,599,062, June 3.

Ledgerwood, Leroy W., Jr.: *See*—
Hildebrandt, Alexander B., and Ledgerwood.

Ledges, George E.: *See*—
Fiske, Augustus H., Jr., and Ledges.

Ledgett, Lowell A., Ridgewood, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Continuous soapmaking. 2,594,461, Apr. 29.

Ledig, Charles W., Cranford, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Two-hand safety control for power machinery. 2,613,787, Oct. 14.

Ledig, Henry A., assignor to Penn Devices Co., Philadelphia, Pa. Tape dispensing machine. 2,621,737, Dec. 16.

Ledin, Sven Harald, Malarhojden, Sweden. Heating apparatus and radiation relay therefor. 2,598,808, June 3.

Ledrut, Jules H. T., Brussels, Belgium, assignor to Heyden Pharmacal Company, New York, N. Y. Preparation of 1,2,3-substituted pyrazolone derivatives. 2,622,086, Dec. 16.

Leduc, René, Toulouse, France. Athodyd having air permeable converging intake section for boundary layer controls. 2,589,945, Mar. 18.

Leduc, René, Vesinet, France. Testing apparatus for scale models of aerodynamic ducts. 2,618,972, Nov. 25.

Ledwinka, Joseph, Philadelphia, and G. Trautvetter, Jenkintown, Pa., assignors to The Budd Company. Vehicle body, especially for rail cars. 2,595,212, Apr. 29.

Lee, Aaron, and E. Lieberman, Miami, Fla. Ice-making machine and method. 2,595,588, May 6.

Lee, Aaron, and E. Lieberman, Miami, Fla. Evaporative condenser. 2,595,589, May 6.

Lee, Aaron, and E. Lieberman, Miami Beach, Fla. Freezing ice in small masses. 2,597,008, May 20.

Lee, Arthur L., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Loading machine. 2,589,827, Mar. 18.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Chair and idler roll stand assembly for conveyers. 2,592,915, Apr. 15.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Underground loading machine, including a flexible trough. 2,597,345, May 20.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Wheel suspension for coal loaders. 2,598,276, May 27.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Shuttle car. 2,599,061, June 3.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Driven steering wheel assembly for coal loaders. 2,600,663, June 17.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine. 2,609,910, Sept. 9.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine having a hydraulic control system for traction means. 2,611,444, Sept. 23.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Mining apparatus. 2,612,363, Sept. 30.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer belt supporting mechanism. 2,613,117, Oct. 7.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Four-wheel steering assembly. 2,618,491, Nov. 18.

Lee, Ben, Products, Inc., assignee: *See*—
August, William.

Lee, Bert E.: *See*—
Finlayson, Thomas R., and Lee.

Lee, Burt: *See*—
Herold, Charles A., and Lee.

Lee, Burton D., and G. Herzog, Houston, Tex., assignors to The Texas Company, New York, N. Y. Seismic prospecting. 2,620,890, Dec. 9.

Lee, Charles A.: *See*—
Saunders, Harold E., Lee, Marvinney, and Brownell.

Lee, Chite S., Detroit, Mich. Indexing mechanism for machine tools. 2,613,428, Oct. 14.

Lee, Daniel P., Gordon, Ga. Vending machine for peanuts and the like. 2,607,462, Aug. 19.

Lee Dyeing Co., of Johnstown, Inc., assignee: *See*—
Pannaci, Karl E.

Lee, Edward S., Greenville, Tex. Self-service system for salesrooms of stores. 2,603,315, July 15.

Lee, Ernest D., Sparta, and R. J. Schefbauer, Jr., Hasbrouck Heights, N. J., assignors to Interchemical Corporation, New York, N. Y. Resinous products of the reaction of styrene with resins derived from bituminous coals of Utah. 2,582,139, Jan. 8.

Lee, Filemon T., San Francisco, Calif. Paper shredding machine. 2,621,567, Dec. 16.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Apparatus for cementing well casings. 2,598,396, May 27.

Lee, Frank H., Company, The, assignee: *See*—
Kane, John E.
Tucker, Harold H., and Trimpert.

Lee, Frederick W., Baltimore, Md. Geophysical prospecting. 2,613,247, Oct. 7.

Lee, Frederick W., Owings Mills, Md. Temperature compensation magnetometer indicator. 2,615,957, Oct. 28.

Lee, George A., Cuffley, A. R. Smith, Birmingham, and C. J. Hopkins, Cuffley, England. Automatic machine for measuring granular materials. 2,587,338, Feb. 26.

Lee, Hans P., Toledo, Ohio. Mouth-protecting device. 2,614,560, Oct. 21.

Lee, Harold E.: *See*—
Gerber, George L., and Lee.

Lee, Harry E., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Method of and apparatus for producing valved or sleeved bags. Re. 23,486, Apr. 29.

Lee, Helen L., assignee: *See*—
Lee, Thomas F.

Lee, Helen, Los Angeles, Calif. Halter and brassière. 2,585,257, Feb. 12.

Lee, Henry H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination isoparaffin-olefin and aromatic-olefin alkylation process. 2,582,047, Jan. 8.

Lee, Herbert A., Grand Junction, Colo. Skate roller assembly. 2,617,688, Nov. 11.

Lee, Herman C.: *See*—
Baisch, Stephen J., and Lee.

Lee, Hilliard O., Kansas City, Kans. Electrical water gauge. 2,589,714, Mar. 18.

Lee, Hollis W., Monterey Park, Calif. Display reflecting device. 2,607,142, Aug. 19.

Lee, James S.: *See*—
Stephenson, William B., and Lee.

Lee, John. *See*—
Berger, Leo, and Lee.

Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Esters of polygalacturonic acid methylglycoside and salts thereof. 2,599,564, June 10.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Boundary layer energizing means for annular diffusers. 2,594,042, Apr. 22.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Hinged fins for providing directional control and stability in tailless airplanes. 2,595,363, May 6.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Vortex producing mechanism for mixing combustion chamber fluids. 2,607,191, Aug. 19.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Shrouded tail rotor. 2,609,053, Sept. 2.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Spinner construction with boundary layer control. 2,622,688, Dec. 23.

Lee, John W., H. E. Martin, and W. M. Alexander, Indianapolis, Ind. Subcutaneous medication. 2,622,597, Dec. 23.

Lee, Joseph F.: *See*—
Long, Frank V., Lee, Levi, and Keane.

Lee, Joseph O., West Allis, Wis. Paint applicator with a pair of rollers exterior of their paint supply receptacle. 2,589,407, Mar. 18.

Lee, Lawrence H., assignee: *See*—
Randell, Glenn E.

Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,588,546, Mar. 11.

Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Fuel control system. 2,588,547, Mar. 11.

Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Fluid distributing apparatus. 2,601,849, July 1.

Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Valve mechanism. 2,601,870, July 1.

Lee, Leighton, II, Rocky Hill, Conn. Fan and pump drive for engine cooling. 2,607,327, Aug. 19.

Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,620,783, Dec. 9.

Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fluid flow control apparatus. 2,623,539, Dec. 30.

Lee, Mary A., assignee: *See*—
Lee, Thomas F.

Lee, Norman E., Forest Hills, N. Y. Fluid damped resilient mounting. 2,582,998, Jan. 22.

Lee, Norman E., Forest Hills, N. Y. Mounting. 2,597,878, May 27.

Lee, Norman E., Forest Hills, N. Y. Mounting. 2,622,836, Dec. 23.

Lee, Paul H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Method and apparatus for signaling employing polarized lights. 2,591,837, Apr. 8.

Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Snap-acting bimetal thermostat. 2,615,108, Oct. 21.

Lee, Reuben: *See*—
Harmon, Ralph N., and Lee.
Nobles, Charles E., and Lee.

Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency transformer. 2,586,352, Feb. 19.

Lee, Reynold A., Washington, D. C. Receptacle. 2,609,919, Sept. 9.

Lee, Richard A., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Compensator. 2,593,902, Apr. 22.

Lee, Richard D., New York, N. Y. Lamp diffuser for elongated tubular lamps. 2,601,034, June 17.

Lee, Richard W.: *See*—
Hodder, Wayne K., Pourciau, and Lee.

Lee, Richard W., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic marker circuit. 2,584,034, Jan. 29.

Lee, Richard W., and L. L. Pourciau, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Electronic television shutter. 2,595,397, May 6.

Lee, Robert H., Indianapolis, Ind., assignor, by mesne assignments, to Micro Recording Company. Control switching system for automatic exposure timers. 2,611,809, Sept. 23.

Lee, Robert J.: *See*—
May, Paul D., and Lee.

Lee, Robert J., La Marque, and P. D. May, Galveston, assignors to Pan American Refining Corporation, Texas City, Tex. Production of drying oils by HF-hydrocarbon processing. 2,588,639, Mar. 11.

Lee, Robert J., La Marque, and P. D. May, Galveston, assignors to Pan American Refining Corporation, Texas City, Tex. Recovery of drying oils from HF-hydrocarbon complexes. 2,614,132, Oct. 14.

Lee, Royal, Elm Grove, Wis. Free piston type combustion products generator for gas turbine power plants. 2,595,396, May 6.

Lee, Samuel, assignee: *See*—
Coleman, Louis.

Lee, Thomas F., assignor of fifty per cent to M. A. Lee and fifty per cent to H. L. Lee, Roscoe, Pa. Locking bonnet for valves. 2,623,380, Dec. 30.

Lee, Victor A., Niagara Falls, Ontario, Canada, assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Dry cell seal closure. 2,592,439, Apr. 8.

Lee, Vincenzo J., Cleveland, Ohio. Vaporizing attachment for vacuum cleaners. 2,605,163, July 29.

Lee, Walter A., and J. B. Brightman, Erie, Pa., assignors to General Electric Company. Compensated control. 2,603,069, July 15.

Lee, Walter J. S., Rochester, Mich. Collapsible sled. 2,615,724, Oct. 28.

Lee, William H., Chagrin Falls, and E. D. Smith, Shaker Heights, assignors to The Electric Products Company, Cleveland, Ohio. Direct reading eddy current dynamometer. 2,585,475, Feb. 12.

Lee, William S.: *See*—
Snyder, Richard F., and Lee.

Leece-Neville Company, The, assignee: *See*—
Diamantides, Nicholas D.
Ogilvy, Robert C.
Stewart, Seymour F., and Gilchrist.

Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 2,600,664, June 17.

Leech, Clifton B., Barrington, R. I. Electrocardiographic electrode. 2,621,657, Dec. 16.

Leed, Daniel, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic frequency control circuit. 2,610,297, Sept. 9.

Leed, Edgar I., New Holland, assignor to Armstrong Cork Company, Lancaster, Pa. Festooning device. 2,596,157, May 13.

Leeder, Emmitt I.: *See*—
Sommer, Walter L., Leeder, and Collins.

Leeds, Morton W.: *See*—
Smith, Gilbert B. L., and Leeds.

Leeds and Northrup Company, assignee: *See*—
Beggs, George E., Jr., and Yetter.
Clark, William R.
Davis, Elwood T.
Davis, Elwood T., and Clark.
Eckfeldt, Edgar L.
Foley, Gerard M., and Cherry,
Gray, William T.
Medlock, Reginald S.
Murray, George E. R., and Wilson.
Phillips, William E., and Cranch.
Tarpley, Raymond E.
Williams, Albert J., Jr.
Williams, Albert J., Jr., and Tarpley.

Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,619,568, Nov. 25.

Leeds, Winthrop M., and R. E. Friedrich, Pittsburgh, Pa., and F. J. Fry, Champaign, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,592,635, Apr. 15.

Leedy, Herbert R., and F. A. Myers, assignors to Aids Development Co., Inc., Cleveland, Ohio. Control means for ink fountains. 2,607,315, Aug. 19.

Leef, John H., Minneapolis, Minn. Attachment for laundry machines. 2,589,619, Mar. 18.

Leefeldt, Earl F., Alameda, Calif. Bed spring leg. 2,617,125, Nov. 11.

Leek, Wayne E., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Shooting rest. 2,582,140, Jan. 8.

Leek, Wayne E., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Accuracy shooting rest with recoil absorbing means. 2,599,265, June 3.

Leekley, Robert M., Westport, Conn., assignor to Time, Incorporated, New York, N. Y. Zein inks. 2,622,988, Dec. 23.

Leeman, Jan N. J., Hoensbroek, assignor to Maatschappij voor Kolenbewerking Stamicarbon N. V., Heerlen, Netherlands. Apparatus for the separation of solid substances differing in specific gravity. 2,619,229, Nov. 25.

Leemhuis, Johannes C., Los Angeles, Calif. Floor structure. 2,602,323, July 8.

Leerburger, Allan B., New York, N. Y. Making stable plastic molding composition of low shrinkage and product obtained thereby. 2,599,400, June 3.

Leermakers, John A.: *See*—
Yutzy, Henry C., and Leermakers.

Lees-Bradner Company, The, assignee: *See*—
Warner, Homer C.

Lees, Charles A.: *See*—
Clark, Fred H., and Lees.

Lees, Gerald M.: *See*—
Lessard, James H.
Lessard, James H., and Lees.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Lateral motion truck. 2,596,777, May 13.

Leese, Edward F., Everett, Wash. Change maker. 2,615,454, Oct. 28.

Leete, Bernard D., Peabody, Mass., assignor to General Electric Company. Hall effect converter construction. 2,594,939, Apr. 29.

Leete, William T., Nichols, assignor to E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Vehicle directional signal system. 2,589,410, Mar. 18.

Lefebre, Walter S., Haverford, Pa. Combined hair comb and cutter. 2,623,277, Dec. 30.

Le Febure Corporation, assignee: *See*—
Nabholz, Orvie E.

Le Febvre, Alfred L.: *See*—
Vose, Robert W., Le Febvre, and Hargreaves.

Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Carpet sweeper. 2,607,062, Aug. 19.

Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Brushmaking machine. 2,607,629, Aug. 19.

Le Febvre, Alfred L., Windsor, C. F. Smith, West Hartford, and W. Groskritz, Windsor, assignors to The Fuller Brush Company, Hartford, Conn. Brushmaking machine. 2,607,630, Aug. 19.

Le Febvre, Arthur H.: *See*—
Alexanderson, Howard A., and Le Febvre.

Lefebvre, Fred L., Elizabeth, assignor to Amersil Company, Inc., Hillside, N. J. Reinforced high-temperature glass conduit. 2,606,574, Aug. 12.

Lefebvre, Henry R., Sunland, Calif. Garment checking bag. 2,581,675, Jan. 8.

Lefere Forge & Machine Company, assignee: *See*—
Lefere, Maurice P.

Lefere, Maurice P., assignor to Lefere Forge & Machine Company, Jackson, Mich. Forging. 2,587,864, Mar. 4.

Lefere, Maurice P., assignor to Lefere Forge & Machine Company, Jackson, Mich. Shear accessory. 2,613,739, Oct. 14.

Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Loading mechanism for pneumatic guns. 2,594,185, Apr. 22.

Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Pressure producing device for pneumatic guns. 2,623,514, Dec. 30.

Le Fevre, William F., Jr., assignor to Griffiths & Sprague Stevedoring Co., Seattle, Wash. Mechanism for weighing bulk cargo. 2,616,683, Nov. 4.

Leff, Samuel, Brooklyn, N. Y. Key holder. 2,608,851, Sept. 2.

Leffel, Guy H., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for cleaning dressing, and grinding wheels. 2,589,620, Mar. 18.

Leffel, James, & Co., The, assignee: *See*—
Biggs, George A.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for effecting fluidized contact between solid particles and fluid mediums. 2,584,391, Feb. 5.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Effecting the conversion of organic reactant streams. 2,597,346, May 20.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Fluidized conversion and coking of heavy petroleums. 2,606,144, Aug. 5.

Lefferdink, Cornelius S.: *See*—
Greenberg, Morris, and Lefferdink.

Leffert, Charles B.: *See*—
Reed, Homer C., Berg, and Leffert.

Leffler, Lucas A., Nowata, Okla. Plug packer. 2,604,170, July 22.

Lefforge, John W., and R. B. Hudson, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing phosphorous acid. 2,595,198, Apr. 29.

Lefforge, John W., and R. B. Hudson, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Phosphorous acid salts and preparing same. 2,595,199, Apr. 29.

Leftwich, Edmund H., San Diego, Calif., assignor of 50 per cent to J. W. Wilhoit, Jr., Thirty-ninth Medical Group, A. P. O. 942 c/o P. M., Seattle, Wash., and R. M. Wilhoit, San Diego, Calif. Nut holder. 2,594,321, Apr. 29.

Leftwich, Robert F., Greenwich, Conn. Method and apparatus for producing an emulsion, including water, fuel oil, and finely divided solids, for combustion. 2,584,805, Feb. 5.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Key case. 2,588,857, Mar. 11.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Slide fastener element. 2,596,077, May 6.

Legat, Robert C., New Britain, assignor to Prentice Mfg. Co., Kensington, Conn. Resilient snap hook. 2,601,711, July 1.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Yieldable belt buckle. 2,619,697, Dec. 2.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Quick release fastener. 2,622,294, Dec. 23.

Legat, Robert C., New Britain, and E. Baretta, assignors to The G. E. Prentice Mfg. Co., Kensington, Conn. Key support. 2,606,438, Aug. 12.

Leger, Ernest J., Metuchen, N. J., assignor to Johnson & Johnson. Strip material dispensing and applying device. 2,586,835, Feb. 26.

Leger, Ernest J., Metuchen, N. J., assignor to Johnson & Johnson. Dragline material handling truck. 2,619,370, Nov. 25.

Legerski, Charles J., assignor of ten per cent to L. S. Ivanc, Cleveland, Ohio. Valved tool for bleeding brake cylinders. 2,611,387, Sept. 23.

Legg, Billie A., assignee: *See*—
Legg, Ollie F.

Legg, David A., and S. C. Beesch, assignors to Publicker Industries, Inc., Philadelphia, Pa. Producing riboflavin. 2,581,419, Jan. 8.

Legg, Harold M.: *See*—
Legg, Kathryn E. and H. M.

Legg, Kathryn E. and H. M., Pontiac, Ill. Towel apron. 2,620,475, Dec. 9.

Legg, Ollie F., assignor of one-half to B. A. Legg, Grove, Okla. Animal trap. 2,612,719, Oct. 7.

Legg, Robert, Limited, assignee: *See*—
Schreiber, Patrick Q. R.

Leggate, Esther K., assignee: *See*—
McDowell, Esther K.

Legge, Charles N., West Malvern, and W. O. Manning, East Meon, assignors to Flight Refuelling Limited, London, England. Pilot controlled valve with pressure surge relief. 2,616,450, Nov. 4.

Legge, Walter G.: *See*—
Van Atta, Floyd A., and Legge.

Leggett, Henry S., Brooklyn, N. Y. Collapsible stool or table. 2,604,932, July 29.

Leggett & Platt, Inc., assignee: *See*—
Kirchner, Carl O.

Legorreta, Luis G., E. Posanda, and F. Camarena, assignors to Electrol S. A., Mexico City, Mexico. Fluorescent lamp circuit. 2,593,576, Apr. 22.

Legros, Jean: *See*—
Gutton, Henri, and Legros.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Syringe bag. 2,583,381, Jan. 22.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-laying track for vehicles. 2,592,916, Apr. 15.

Leguillon, Charles W., Akron, and Edwin B. Katzenmeyer, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Lift truck fork tube. 2,589,101, Mar. 11.

Lehane, Timothy J.: *See*—
Gillick, Laurance H., Lehane, and Kirkby.
Russell, Edward A., Lehane, and Pidgeon.

Lehane, Timothy J., North Riverside, assignor to Vapor Heating Corporation, Chicago, Ill. Railway car temperature control system. 2,600,889, June 17.

Lehane, Timothy J., North Riverside, assignor to Vapor Heating Corporation, Chicago, Ill. Temperature control system for a plurality of enclosed spaces. 2,607,534, Aug. 19.

Lehane, Timothy J., North Riverside, and I. S. Gardner, New Lennox, assignors to Vapor Heating Corporation, Chicago, Ill. Air reheat control for heating system. 2,593,038, Apr. 15.

Lehane, Timothy J., North Riverside, and E. W. Johnson, assignors to Vapor Heating Corporation, Chicago, Ill. Temperature control for air blending heating systems. 2,607,532, Aug. 19.

Lehman, Carl S., assignor to The Fairfield Paper and Container Company, Baltimore, Ohio. Carton for handled tools. 2,603,350, July 15.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,581,543, Jan. 8.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,594,462, Apr. 29.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,620,178, Dec. 2.

Lehman, Harry A., J. A. and W. W. Bateman, Mineral Wells, Tex. Washer attachment for ice crushers. 2,592,044, Apr. 8.

Lehman, Harry A., J. A. and W. W. Bateman, Mineral Wells, Tex. Ice sizing machine. 2,600,508, June 17.

Lehman, Irvin H., Kentland, Ind. Grain treating device. 2,596,568, May 13.

Lehman, Lewis H.: *See*—
Linhardt, John J., and Lehman.

Lehman, Maurice E.: *See*—
Mellinger, Paul B., and Lehman.

Lehman, Maurice E., Harrisonburg, Va. Machine for distributing fertilizer material and the like. 2,581,263, Jan. 1.

Lehman, Robert M., Altadena, Calif. Filler machine. 2,620,767, Dec. 9.

Lehman, Robert M., Pasadena, Calif. Method and machine for making doughnuts and the like. 2,611,329, Sept. 23.

Lehman, Roger, Orange, N. J. Starter for internal-combustion engines. 2,591,445, Apr. 1.

Lehman, Roger, Orange, N. J. Combined waste can, lid, and enclosure. 2,621,099, Dec. 9.

Lehmann, Clifford E., High Point, N. C. Carrier mounted work clamping and releasing mechanism. 2,619,999, Dec. 2.

Lehmann, František, Chomutov, Czechoslovakia. Circuit arrangement for discharge tubes, particularly glow discharge tubes. 2,588,858, Mar. 11.

Lehmann, George A., Ferguson, and W. E. Gundelfinger, House Springs, Mo. Magnetic lid holding means for can openers. 2,617,185, Nov. 11.

Lehmann, Gerard, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Pentode tube. 2,607,020, Aug. 12.

Lehmann, Gerard, assignor to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France. Device for operating control surfaces, especially for aircraft. 2,612,330, Sept. 30.

Lehmann, Helmuth A., New York, N. Y. Photo and photo-transparency enlarging device. 2,593,318, Apr. 15.

Lehmann, Herbert G., Bridgeport, Conn. Light intensifying attachment for electric bulbs. 2,623,989, Dec. 30.

Lehmann, J. M., Company, Inc., assignee: *See*—
Jack, George.
Linden, Gosta R.

Lehmann, Karl T., St. Charles, Mo. Fish impaling pin. 2,594,661, Apr. 29.

Lehmann, Max, East Cleveland, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,582,999, Jan. 22.

Lehmann, Max, East Cleveland, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial elevating truck. 2,598,566, May 27.

Lehmann, Max, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial lift truck. 2,599,524, June 3.

Lehmann, René L., Paris, and J. Lintner, La Garenne Colombes, assignors to Bozel-Maletra Societe Industrielle de Produits Chimiques, Paris, France. Hydrofugation of textile materials. 2,588,640, Mar. 11.

Lehmann, René L., Paris, and J. Lintner, La Garenne Colombes, assignors to Bozel-Maletra Societe Industrielle de Produits Chimiques, Paris, France. Manufacture of glyoxal and polyglyoxal. 2,599,335, June 3.

Lehmann, René L., Paris, and J. Lintner, La Garenne Colombes, assignors to Bozel-Maletra, Societe Industrielle de Produits Chimiques, Paris, France. Diazotating aminobenzene acid esters. 2,606,895, Aug. 12.

Lehmann, René L., Paris, and J. Lintner, La Garenne Colombes, assignors to Bozel-Maletra, Paris, France. Manufacture of certain aryl acetic acids. 2,617,822, Nov. 11.

Lehmann, Valentine C., Burbank, assignor to Utility Appliance Corp., Los Angeles, Calif. Water distributing apparatus for evaporative coolers. 2,590,779, Mar. 25.

Lehmann, William R., Atlanta, Ga. Pencil actuated pencil sharpener. 2,615,427, Oct. 28.

Lehmkuhl, Joakim, Watertown, Conn. Ski binding. 2,590,424, Mar. 25.

Lehn, John U.: *See*—
Koch, Harold B., and Lehn.

Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,611,991, Sept. 30.

Lehner, George F. J., and R. E. Brown, Los Angeles, and E. C. Burkhart, Malibu, assignors to Benson-Lehner Corporation, Los Angeles, Calif. Reading pacer. 2,605,558, Aug. 5.

Lehoczki, Frank, United States Army. Signaling wand for flashlights. 2,591,269, Apr. 1.

Lehr, Hanns H.: *See*—
Goldberg, Moses W., and Lehr.

Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,601,981, July 1.

Leibing, William E., Los Angeles, Calif. Metering fuel pump. 2,581,764, Jan. 8.

Leibing, William E., Los Angeles, Calif. Metering fuel pump. 2,594,662, Apr. 29.

Leibing, William E., Santa Barbara, Calif. Speed governor. 2,620,821, Dec. 9.

Leichter, William J., Bronx, N. Y. Blouse. 2,589,409, Mar. 18.

Leichtman, Edwin S., Arlington, Va., and S. D. Leichtman, New York, N. Y. Ice mold. 2,618,130, Nov. 18.

Leichtman, Saul D.: *See*—
Leichtman, Edwin S., and S. D.

Leidel, Harold J., Wadsworth, Ohio. Artificial fish lure. 2,621,439, Dec. 16.

Leifer, Lorenz A., assignor to Gisholt Machine Company, Madison, Wis. Power actuated wrench. 2,616,323, Nov. 4.

Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Valve operating mechanism for hot-air registers. 2,596,257, May 13.

Leigh, Robert L., Grand Rapids, assignor to Air Control Products, Inc., Coopersville, Mich. Window shutter. 2,596,569, May 13.

Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Damper operating and securing structure. 2,596,570, May 13.

Leigh, Ronald C.: *See*—
Walmsley, Thomas, and Leigh.

Leighton, George A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mounting device for glazing units. 2,617,159, Nov. 11.

Leighton, John W., Port Huron, Mich. Antisway bar. 2,589,009, Mar. 11.

Leighton, Leroy G., Lyndhurst, Ohio, assignor to General Electric Company. Electric lamp or similar article. 2,624,019, Dec. 30.

Leighton, William G., assignor of twenty-five per cent to D. Saylar, Healdsburg, Calif. Fruit, nut, and olive harvesting machine. 2,602,279, July 8.

Leighty, John A., assignor to Eli Lilly and Company, Indianapolis, Ind. Obtaining crystalline penicillin salts. 2,599,401, June 3.

Leihgeber, George T., Dayton, Ohio. Throttle and speed controls for motors. 2,609,074, Sept. 2.

Leimer, George C., Chicago, Ill. Holder for towels and the like. 2,597,112, May 20.

Leinbenhaut, Irwin, Brooklyn, N. Y. Dose-dispensing bottle. 2,616,593, Nov. 4.

Leinen, Arthur P., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fixture and holder for fluorescent lamps. 2,596,336, May 13.

Leinen, Arthur P., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fixture and holder for fluorescent lamps. 2,596,337, May 13.

Leisenring, Arthur E., Denver, Colo. Flatwork ironing machine. 2,584,598, Feb. 5.

Leiser, Henry, Denver, Colo. Sheet metal brake. 2,587,865, Mar. 4.

Leiser, Henry, Denver, Colo. Calorie calculator. 2,596,418, May 13.

Leisy, Harvey A.: *See*—
Heitmeyer, Powis L., and Leisy.

Leitch, John D., and R. G. Widdows, Shaker Heights, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Controller for inductive devices. 2,606,959, Aug. 12.

Leitl, George J. F., Port Melbourne, Victoria, Australia. Apparatus for the extrusion molding of concrete and like materials. 2,611,941, Sept. 30.

Leitner, Charles R., Louisville, Ky. Combined seat, table, and playpen. 2,595,532, May 6.

Leitz, Ernst, G. m. b. H., assignee: *See*—
Bröhl, August, and Leitz.
Broschke, Heinrich.
Kleineberg, Gustav, and Zimermann.
Ludewig, Max.
Rinker, Wilhelm.
Rinker, Wilhelm, Sanger, and Leitz.
Sänger, Otto.
Wagner, Adam.
Weissenberg, Gustav, and Sänger.

Leitz, Ernst, Jr.: *See*—
Rinker, Wilhelm, Sanger, and Leitz.

Leitz, Ludwig: *See*—
Bröhl, August, and Leitz.

Le Lan, Armand M., assignor to the Compagnie Generale de Construction de Locomotives (Batignolles-Chatillon), Paris, France. Device for imparting predetermined cyclic displacements to a machine-tool member and the like. 2,592,812, Apr. 15.

Le Lan, Armand M., assignor to the Compagnie Generale de Construction de Locomotives (Batignolles-Chatillon), Paris, France. Device for imparting controlled displacements to machine-tool members. 2,601,157, June 17.

Leland, G. H., Inc., assignee: *See*—
Leland, George H.

Leland, George H., assignor to G. H. Leland, Inc., Dayton, Ohio. Magnetically operated device. 2,617,949, Nov. 11.

Leland-Gifford Company, assignee: *See*—
Allen, Edward K., Jr.
Hirvonen, Eric J.
Kriewall, Fred W.
Schmidt, William D.

Leland, Pardon K., assignor to Elgel Inc., La Salle, Ill. Beverage cooler. 2,608,837, Sept. 2.

Leland Stanford Junior University, The Board of Trustees of the, assignee: *See*—
Hansen, William W.
Hansen, William W., and Varian.
Hansen, William W., and R. H. and S. F. Varian.
Varian, Russell H.

Leland, Wallace T.: *See*—
Thompson, Robert W., and Leland.

Lelij, Anton: *See*—
V. Nes, Robbert, and Lelij.

Lelong, Jacques: *See*—
Jean, Marcel C., Lelong, and Laurent.

Le Loup, Theodore E.: *See*—
Marinace, John C., and Le Loup.

Lely, Jan A.: *See*—
Dippel, Cornelis J., Lely, and Dikhoff.

Lemaigre-Voreaux, Pierre, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France. Heating device for electric discharge tubes. 2,598,567, May 27.

Lemaigre-Voreaux, Pierre, assignor to Societe Anonyme Pour les Applications de l'Electricite et des Gaz Rares-Etablissements, Claude-Paz & Silva, Paris, France. Glow discharge switch. 2,601,917, July 1.

Lemaire, Maurice H., Paris, France. Apparatus for the upkeep of railway tracks. 2,596,701, May 13.

Lemanski, Bernard, Bad Axe, Mich. Pickup conveyer for harvesting machines. 2,615,296, Oct. 28.

Lemanski, Savarian, Detroit, Mich. Fuel injection device. 2,605,706, Aug. 5.

Le Mare, Ernest B.: *See*—
Cole, Horace, Green, Le Mare, and Taylor.

Le Master, Harold A., Clearwater, Fla., and P. J. Schriner, Kankakee, Ill. Fishing lure, including hook mounting means. 2,602,256, July 8.

Le Master, Harold A., Bradley, Ill. Bobby pin opener. 2,602,456, July 8.

Le May, Ernest D., Birmingham, Ala., and E. K. White, Owensboro, Ky. Boat lift. 2,585,664, Feb. 12.

Le May, Louis, Plunkett, Saskatchewan, Canada. Combination wrench and vise. 2,616,319, Nov. 4.

Lemay Machine Company, assignee: *See*—
Suellentrop, Fred F.

Lemay Machine Company, The, assignee: *See*—
Pfeiffer, Norman J., and Suellentrop.

Lembke, John; Wilder, assignor to Olson Manufacturing Company, Boise, Idaho. Flexible beater for flailing machines. 2,608,816, Sept. 2.

Lembo, Frank, Fair Lawn, N. J. Cylinder drive and adjusting means for rotary printing machines. 2,619,033, Nov. 25.

Lemeshka, Milton B., Lancaster, Pa., assignor to Radio Corporation of America. Cooling unit. 2,595,150, Apr. 29.

Lemetre, Giuseppe, Fidenza, Italy. Detachable insulated handle for heated vessels. 2,598,568, May 27.

Lemmens, Hendrikus J.: *See*—
Jansen, Marinus J., and Lemmens.

Lemmerman, Harold H. P.: *See*—
Courtney, Frederick M., and Lemmerman.

Lemmerman, Harold H., Schenectady, N. Y., assignor to General Electric Company. Adjusting supporting device. 2,610,011, Sept. 9.

Le Moir, Charles L., Vancouver, British Columbia, Canada. Leg rest. 2,592,045, Apr. 8.

Lemon, Cecil G., Tidmarsh Grange, and E. T. C. Brinton, Quatt, near Bridgnorth, England. Method and apparatus for the manufacture of carpets. 2,588,130, Mar. 4.

Lemon, Gladys, assignee: *See*—
Davis, Claud A.

Lemon, Joseph R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid power transmitting device. 2,599,336, June 3.

Lemonds, Robert D., San Francisco, Calif., and A. V. McMurray, Tulsa, Okla.; said Lemonds assignor to said McMurray. Golf ball cleaner. 2,622,257, Dec. 23.

Lemos, Albert, Jr., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Valve for pressure control systems. 2,610,822, Sept. 16.

Le Moulin-Legumes Corporation, assignee: *See*—
Mantelet, Jean.

Le Moyne, Roy W., assignee: *See*—
Peterson, Eric W.

Lempco Products, Inc., assignee: *See*—
Blazek, John Y.
Smole, Jack F.
Smole, Jack F. and J. F.

Lemponen, Earl O., Jefferson, Ohio. Combination table and platform swing. 2,622,877, Dec. 23.

Lenarduzzi, Lino, Washington, D. C. Tile cutter. 2,589,501, Mar. 18.

Lenart, Anthony: *See*—
Heilman, Bernard, and Lenart.

Lenart, Anthony, and B. Heilman, assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich. Clip forming and applying machine. 2,614,254, Oct. 21.

Lenart, Anthony, and B. Heilman, assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich. Clip forming and applying machine. 2,617,098, Nov. 11.

Lencki, Joseph, Chicago, Ill. Balancing wheel-tire assemblies. 2,585,140, Feb. 12.

Lendh, Robert H.: *See*—
Walter, Albert H., Florence, and Lendh.

Lending, Magnus O., Bergen, assignor to A/S Lendax Lubricator og Maskinindustri, Oslo, Norway. Pressure lubricator. 2,619,192, Nov. 25.

Lendle, Carl R., Orlando, Fla. Home garment bagger. 2,584,035, Jan. 29.

Lendved, John W., Milwaukee, and C. I. Longenecker, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Roller-track mounting for concrete mixer drums and the like. 2,610,043, Sept. 9.

Lenehan, Bernard E.: *See*—
Young, Douglass A., Lunas, and Lenehan.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Device for minimizing the effects of torsion when reproducing a magnetic record wire. 2,590,627, Mar. 25.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carrier-current coupler. 2,611,022, Sept. 16.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-tube frequency-modulated oscillator. 2,615,984, Oct. 28.

Lenhart, Harry H., Cleveland, Ohio. Vacuum handling device. 2,620,217, Dec. 2.

Lenhoff, Samuel H.: *See*—
Lesser, Julius, and Lenhoff.

Lenkurt Electric Co., Inc., assignee: *See*—
Appert, Kurt E.
Erickson, Lennart G., and Appert.

Lennon, Chesley E., Jr., and W. C. Kiser, Longview, Tex. Ice shaving machine. 2,606,720, Aug. 12.

Lennon, Frances A., heir, trustee, assignee: *See*—
Baskerville, Benjamin J.

Lennon, James W., St. Paul, Minn., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,591,446, Apr. 1.

Lennox Furnace Co., The, assignee: *See*—
Wilson, John A.

Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Conservator for liquid-immersed apparatus. 2,622,122, Dec. 16.

Lens-Block Corporation, assignee: *See*—
Suben, Morten.

Lens, Georges X.: *See*—
Schreiber, Louis J. J.

Lens, Georges X., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Selector mechanism. 2,589,267, Mar. 18.

Lens, Georges X., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Clutch and selecting mechanism for movable parts. 2,623,404, Dec. 30.

Lense, Ralph J., Deerfield, and A. S. Holzinger, assignors to Motorola, Inc., Chicago, Ill. Selective calling system. 2,602,852, July 8.

Lensner, Herbert W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relaying system. 2,586,353, Feb. 19.

Lentjes, Carl G.: *See*—
Friedrich, Robert E., and Lentjes.

Lenton, Ronald W., assignor to The General Presswork & Stampings Limited, Leicester, England. Manufacture of sinkers for straight-bar knitting machines. 2,619,817, Dec. 2.

Lentz, John J., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse forming circuit. 2,605,405, July 29.

Lenz, Ernest J. Varna, Ill. Insulator supporting bracket for electric fences. 2,599,849, June 10.

Lenz, Frank B., assignor to Hawley Products Company, St. Charles, Ill. Making acoustic diaphragms. 2,605,855, Aug. 5.

Lenz, William C., Wichita Falls, Tex., assignor to The Texas Company, New York, N. Y. By-pass connection for hydraulic well pumps. 2,616,502, Nov. 4.

Lenz, William H., Waukegan, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Contact alloys. 2,620,555, Dec. 9.

Lenz, William J., deceased, Louisville, Ky.; H. Cohen, administrator. Roasting coffee. 2,614,043, Oct. 14.

Lenzinger Zellwolle-und Papierfabrik Aktiengesellschaft, assignee: *See*—
Mössmer, Viktor.

Leo, Arnold G., and T. B. Tinker, New York, N. Y. Breast pad structure. 2,598,003, May 27.

Leoblein, John W., assignee: *See*—
Bevington, John E.

Leonard, Albert J., Sr., Glendale, Calif. Sock drying device. 2,596,859, May 13.

Leonard Electric Products Corp., assignee: *See*—
Romero, Robert.

Leonard, Fred: *See*—
Nielson, Carl A., Leonard, and Cort.

Leonard, George H., Darien, assignor to A. A. Johnson, Bridgeport, Conn., as trustee. Phonograph record changer. 2,616,703, Nov. 4.

Leonard, George H., Darien, assignor to C. G. S. Laboratories, Inc., Stamford, Conn. Record changer. 2,617,655, Nov. 11.

Leonard, George H., Fairfield, assignor to A. A. Johnson, Bridgeport, Conn., as trustee. Phonograph. 2,616,705, Nov. 4.

Leonard, George H., Noroton Heights, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Mounting for articles. 2,599,003, June 3.

Leonard, Jean, Los Angeles, Calif. Broadcasting television performances. 2,601,441, June 24.

Leonard, John T., Evanston, Ill. Lubricant measuring valve. 2,584,890, Feb. 5.

Leonard, John T., Evanston, Ill. Measuring valve for centralized lubricating systems. 2,612,967, Oct. 7.

Leonard, Joseph, Allentown, Pa., assignor to Mona Lisa Foundations, Inc. Tapering panel construction for foundation garments. 2,608,688, Sept. 2.

Leonard, Louis H., Jr., assignor to Carrier Corporation, Syracuse, N. Y. Safety control for absorption refrigeration machines. 2,582,837, Jan. 15.

Leonard, Louis H., Jr., assignor to Carrier Corporation, Syracuse, N. Y. Control mechanism for absorption refrigeration systems. 2,582,838, Jan. 15.

Leonard, Mayo E., Toledo, Ohio. Pants hanger. 2,615,604, Oct. 28.

Leonard, Merrill G.: *See*—
Hodnette, John K., and Leonard.

Leonard, Merrill G., Sharon, and G. Y. Hager, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overvoltage protection for transformers. 2,586,354, Feb. 19.

Leonard, Nelson J., Urbana, Ill., assignor to Phillips Petroleum Company. Substituted oxacycloalkanes. 2,594,322, Apr. 29.

Leonard, Perry, Effingham, Kans. Belt. 2,619,651, Dec. 2.

Leonard, Ralph S.: *See*—
Vitale, Peter T., and Leonard.

Leonard, William E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Making lustrous steel music wire. 2,580,801, Jan. 1.

Leontovich, Valerian, Palo Alto, Calif. Precast concrete block joint. 2,616,284, Nov. 4.

Leopold, Otto, Lohfelden, near Kassel, assignor to Licentia Patent-Verwaltungs-G. m. b. H., Hamburg, Germany. Disconnecting switch. 2,605,370, July 29.

Le Page's Inc., assignee: *See*—
Kunze, Walter G., and Evans.

Lepel High Frequency Laboratories, Inc., assignee: *See*—
Weitmann, Otto.

Lepicard, Étienne M. J., Neuilly-sur-Seine, France. Compressor. 2,608,932, Sept. 2.

Lepin, Maurice, Le Peage-de-Roussillon, and A. Bailly, St.-Maurice-l'Exil, assignors to Societe "Rhodiaceta," Paris, France. Apparatus for diffusing liquids in viscous masses. 2,583,742, Jan. 29.

Lepow, Edward J., New York, N. Y., assignor to Home Curtain Corp. Curtain construction. 2,588,256, Mar. 4.

Lepp, Gerhard J., Cuyahoga Falls, R. C. Bateman, and K. L. Emberson, assignors to Wingfoot Corporation, Akron, Ohio. Seat. 2,586,433, Feb. 19.

Lepp, Jack M., and J. A. Slyh, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Refractory body. 2,599,185, June 3.

Lepper, Charles E., Ventura, Calif. Nut gatherer. 2,599,715, June 10.

Lepper, Charles E., Ojai, assignor to Baron Manufacturing Co., Oxnard, Calif. Tool transporter. 2,606,001, Aug. 5.

Le Pree, James W., Newark, N. J. Tap or reamer driver. 2,586,067, Feb. 19.

Lerbs, Alfred, Paris, France, assignor to Compagnie Generale De T. S. F. Traveling wave tube. 2,600,509, June 17.

Lerbs, Alfred, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electron optical system for cathodes of electron beam tubes. 2,607,904, Aug. 19.

Lerbs, Alfred, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Thermionic tube for amplification of ultrashort electric waves. 2,623,129, Dec. 23.

Lerio Corporation, The, assignee: *See*—
Leake, Armistead.

Lerma, Stephen, Flushing, N. Y. Shoulder pad and prong type attaching means. 2,619,650, Dec. 2.

Lermont, Basil, assignor, by mesne assignments, to Eastern Metal Research Co., Inc., New York, N. Y. Coil spring and coil spring assembly, including the support for such springs. 2,609,192, Sept. 2.

Lerner, Max M., and N. P. Weinheimer, Brooklyn, N. Y. Container for knitting and knitting accessories. 2,585,476, Feb. 12.

Le Roi Company, assignee: *See*—
Bouvy, Christian H.
Feucht, Albert.
Feucht, Jacob E.
Schmidt, Theodore A.

Le Roi Company, The, assignee: *See*—
Feucht, Albert.
Longenecker, Ernst A.

Le Roy Foods, Inc., assignee: *See*—
Schenk, Tamis C.

Le Roy, Franklin J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material elevator assembly with dust-tight swingable chute. 2,583,488, Jan. 22.

Le Roy, Michel, Paris, France. Articulated beam. 2,620,904, Dec. 9.

Le Roy, Norman C., Miami, Fla. Catch net for children's play pens. 2,607,052, Aug. 19.

Le Roy, Norman C., Miami, Fla. Net attachment for crib beds. 2,607,931, Aug. 26.

Le Roy, Norman C., Miami, Fla. Protective net attachment for crib beds. 2,608,696, Sept. 2.

Leroy, Octave, Paris, assignor to Société Anonyme dite: Compagnie pour la Fabrication des Compteurs et Materiel d'Usine à Gaz, Montrouge, France. Dry gas meter with two bellows and two measuring chambers. 2,619,940, Dec. 2.

Leroy, Robert P., assignor to Compagnie Generale d'Electricite, Paris, France. Wave filter. 2,591,838, Apr. 8.

Lervik, Alf, Oslo, Norway. Valve facing apparatus. 2,580,828, Mar. 18.

"Les Brevets Souhart" S. A., assignee: *See*—
Souhart, Jacques P.

Les Laboratoires Dausse, Societe Anonyme, assignee: *See*—
Chabrier, Pierre, Gludicelli, and Génot.

Les Laboratoires Francais de Chimiotherapie, assignee: *See*—
Velluz, Leon, and Muller.

Les Produits Du Lynx Jaune, assignee: *See*—
Michaudet, Alfred.

Les Usines Chimiques des Laboratoires Francais, assignee: *See*—
Velluz, Léon, and Amiard.

Les Usines de Melle (Societe Anonyme), assignee: *See*—Mention, Maurice.

Lesaunier, Alexandre, Brooklyn, N. Y. Manually propelled farm tractor device. 2,607,613, Aug. 19.

Lescano, Domiciano L. R., Cordoba, Argentina. Precision measuring instrument. 2,605,549, Aug. 5.

Lesenyie, Louis J., Provo, Utah. Spool holder. 2,600,784, June 17.

Lesher, Carl E., Ben Avon Heights, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Low-temperature carbonization of coal. 2,622,059, Dec. 16.

Lesher, Robert B.: *See*—
Greene, Claude E., and Lesher.

Lesigne, Henri L., Vanves, assignor to Compagnie Industrielle des Telephones, Paris, France. Automatic telephone system for non-consecutively numbered grouped lines. 2,602,122, July 1.

Lesigne, Henri L., Vanves, assignor to Compagnie Industrielle des Telephones, Paris, France. System for reception of coded signals. 2,606,243, Aug. 5.

Lesigne, Henri L., Vanves, assignor to Compagnie Generale d'Electricite, Paris, France. Process and arrangement for the transmission of calls. 2,621,242, Dec. 9.

Lesinsky, Adam P., Whiting, Ind. Bow frog with improved hair clamping means. 2,592,715, Apr. 15.

Leska, Carl J.: *See*—
Angell, Pierce T., and Leska.

Leskiw, Joseph, assignee: *See*—
Lindquist, August T.

Leslie, Donald J., Pasadena, Calif. Apparatus for imposing vibrato on sound. 2,622,693, Dec. 23.

Leslie, Donald J., Wilmar, Calif. Electric organ speaker system. 2,596,258, May 13.

Leslie, Donald J., Wilmar, Calif. Rotatable tremulant sound producer. 2,618,352, Nov. 18.

Leslie, Donald J., Wilmar, Calif. Apparatus for imposing vibrato on sound. 2,622,692, Dec. 23.

Leslie, Eugene H., Ann Arbor, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. Desolventizing of solvent-extracted solid particles. 2,618,560, Nov. 18.

Leslie, Fred D., Malverne, R. D. Whitmore, New York, N. Y., and H. E. Bragg, Oxford, N. J., assignors to Twentieth Century Fox Film Corporation, New York, N. Y. Apparatus for the projection of pictures in black and white or in color. 2,606,477, Aug. 12.

Leslie, John F., Mishawaka, Ind. Buffing wheel. 2,607,171, Aug. 19.

Leslie, John G., and L. N. Robinson, assignors to Erie City Manufacturing Company, Erie, Pa. Laterally folding chair. 2,621,711, Dec. 16.

Leslie, John H., II, Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Load retaining door. 2,595,087, Apr. 29.

Leslie, John H., II, Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Bundle-binder seal. 2,610,374, Sept. 16.

Leslie, John H., II, and W. A. Marshall, Jr., Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Thermostatic control for hot-water heaters and the like. 2,585,477, Feb. 12.

Leslie, John R. A., and K. H. Kidd, Toronto, Ontario, Canada. Locating faults in transmission lines. 2,602,834, July 8.

Lesner, Roy H.: *See*—
Mioduski, Joseph W., and Lesner.

Lesoine, Clarence A.: *See*—
Van Vliet, Robert E., and Lesoine.

L'Esperance, Louis, Washington, D. C., and E. Y. Keith, West Palm Beach, Fla. Wallet clip. 2,604,918, July 29.

Less, Floyd R., North Tonawanda, N. Y. Remote controlled toy ship. 2,589,268, Mar. 18.

Less, Joseph W., Clinton, Iowa. Collar assembly for shirts. 2,587,491, Feb. 26.

Less, Joseph W., Clinton, Iowa. Tobacco pipe and a hollow member therefor. 2,596,905, May 13.

Less, Joseph W., Clinton, Iowa. Shirt collar. 2,612,644, Oct. 7.

Lessard, James H., and G. M. Lees, Seattle, Wash.; said Lees assignor to said Lessard. Making cracked ice. 2,585,020, Feb. 12.

Lessard, James H., and G. M. Lees, Seattle, Wash.; said Lees assignor to said Lessard. Production of chip ice from sea water. 2,585,021, Feb. 12.

Lesser, Herman J., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Treatment of viscose products. 2,585,141, Feb. 12.

Lesser, Julius, and S. H. Lenhoff, Chicago, Ill. Can opener suspended from a can. 2,590,553, Mar. 25.

Lessig, Edward T.: *See*—
Wilson, Matthew W., and Lessig.

Lessmann, Gerhard P.: *See*—
Auburn, Basil J., and Lessmann.

Lessmann, Gerhard P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension device. 2,583,780, Jan. 29.

Lessmann, Gerhard P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,590,628, Mar. 25.

Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tension control system. 2,605,101, July 29.

Lestant, Veuve, heiress: *See*—
Lacoste, Paul C.

Lester, Burton R., Camillus, N. Y., assignor to General Electric Company. Electronic switching circuit. 2,599,266, June 3.

Lester, John M., Hempstead, and R. L. Thompson, Minneola, N. Y. Radio tuning system. 2,581,194, Jan. 1.

Lester, John M., Rockville Centre, and J. R. Wilkerson, Bayside, N. Y., assignors to The Sperry Corporation. Sweep circuit. 2,603,747, July 15.

Lester, Michael J., Chicago, Ill. Fishhook container. 2,600,665, June 17.

Lester, Ray F.: *See*—
Parish, Willard E., and Lester.

Lester, Ray F., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch structure. 2,614,194, Oct. 14.

Lester, Raymond H., M. C. Cannon, and F. C. Alexander, Jr., Pittsburgh, Pa., assignors to Elgin National Watch Company, Elgin, Ill. Apparatus for producing refractory rods. 2,591,561, Apr. 1.

Lester, Stephen T., Cleveland Heights, Ohio. Measuring and marketing height indicator. 2,588,131, Mar. 4.

Lester, William J., Clearwater, Fla. Folding crib attachment for beds. 2,617,120, Nov. 11.

Lesti, Arnold, Brooklyn, assignor to International Standard Electric Corporation, New York, N. Y. Electronic switching apparatus for telephone systems. 2,619,548, Nov. 25.

Lesti, Arnold, Brooklyn, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Pulse code modulation system. 2,621,323, Dec. 9.

Lesti, Arnold, Nutley, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Pulse code translator. 2,609,529, Sept. 2.

Leszak, John, Baltimore, and H. F. Zimmerman, assignors to Bendix Aviation Corporation, Towson, Md. Pull-out mechanism. 2,583,859, Jan. 29.

Leszczynski, Raymond S., assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Punching device. 2,590,189, Mar. 25.

Letourneau, Emile G., Winfield, Alberta, Canada. Belt-drive log-turning nigger. 2,588,735, Mar. 11.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.
Le Tourneau, Robert G., and Roe.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Wheeled crane. 2,589,102, Mar. 11.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Earth compacting roller implement. 2,589,829, Mar. 18.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill. Retaining windings on rotors. 2,590,255, Mar. 25.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill. Shaving gears. 2,594,186, Apr. 22.

Le Tourneau, Robert G., Longview, Tex. Bucket seat. 2,605,819, Aug. 5.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Clutch and brake for steering vehicles. 2,615,542, Oct. 28.

Le Tourneau, Robert G., Longview, Tex. Gear arrangement for transmissions. 2,616,301, Nov. 4.

Le Tourneau, Robert G., Longview, Tex. Adapter for two-wheel scrapers. 2,621,939, Dec. 16.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Rear dump wagon. 2,621,964, Dec. 16.

Le Tourneau, Robert G., and C. C. Roe, Longview, Tex., assignors to R. G. Le Tourneau, Inc., Peoria, Ill. Slip ring arrangement. 2,623,188, Dec. 23.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Mobile form and transport for cast structures. 2,593,465, Apr. 22.

Letrilliart, Pierre: *See*—
Delastre, Jean, Guizin, and Letrilliart.

Letrilliart, Pierre, and L. Galzin, Jeumont, Nord, assignors to Forges & Atellers de Constructions Electriques de Jeumont, Paris, France. Monopolyphase frequency converter group. 2,585,392, Feb. 12.

Letton, Tom L., assignee: *See*—
Stein, Sigurd C., and Monkres.

Letts, John B., assignor to Chrysler Corporation, Highland Park, Mich. Sealed flow device. 2,613,996, Oct. 14.

Letts, Orlando A., Montreal, Quebec, Canada. Hard rock drill head. 2,595,962, May 6.

Letts, Walter W., Northville, N. Y. Pressing sawdust into the form of bodies. 2,622,510, Dec. 23.

Letvin, Samuel: *See*—
Bouvillian, Claude A., Brierly, and Letvin.

Letvin, Samuel, Philadelphia, Pa., and G. P. Haynes, Rockville Centre, assignors to Thermo Projects, Inc., New York, N. Y. Method and apparatus for the application of materials. 2,599,465, June 3.

Leu, Carl P., assignee: *See*—
Wold, Clarence W.

Leu, Martin A., assignee: *See*—
Wold, Clarence W.

Leue, Beverly A.: *See*—
Leue, Bruno A. and B. A.

Leue, Bruno A. and B. A., Mount Prospect, Ill. Combination pocket secretary and/or hip pocket wallet. 2,592,046, Apr. 8.

Leufvenius, Karl J. G., Minneapolis, Minn. Lubrication fitting. 2,604,958, July 29.

Leukhardt, W. H., Jr., Waterbury, and J. W. Adams, Oxford, Conn., assignors to United States Rubber Company, New York, N. Y. Reinforcing synthetic rubber. 2,616,860, Nov. 4.

Leupold & Stevens Instruments, Inc., assignee: *See*—
Stevens, John C.

Leuschner, Kurt A., Monterey, Calif. Can transfer mechanism. 2,612,255, Sept. 30.

Leutner, Frederick S.: *See*—
Flory, Paul J., and Leutner.

Leuty, Sidney G.: *See*—
Ellison, Thomas, and Leuty.

Leutz, Koerner E., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Removal of objectionable sulfur compounds from mineral oil distillates. 2,616,834, Nov. 4.

Lev, Harry, Chicago, Ill. Hat. 2,582,492, Jan. 15.

Lev, Harry, Chicago, Ill. Ventilated cap. 2,590,190, Mar. 25.

Lev, Harry, Chicago, Ill. Uniform cap. 2,617,111, Nov. 11.

Le Van, Ambrose E., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Sealed float rod. 2,608,207, Aug. 26.

Levane, Robert, London, England. Latch with lock dogging means. 2,620,645, Dec. 9.

Leveille, Albert J., Johnston, R. I. Tool holder. 2,587,179, Feb. 26.

Leveke, Chester I., Des Moines, Iowa. Adjustable tongue for motorless vehicles. 2,582,595, Jan. 15.

Levell, James T., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle radiator cap. 2,591,562, Apr. 1.

Leven, Milton M.: *See*—
Minter, Herbert F., Foster, and Leven.

Leven, Roland M., Paris, France. Belt. 2,586,355, Feb. 19.

Levene, Meyer M., Uplowman, near Tiverton, England. Pyrophoric lighter. 2,603,075, July 15.

Levene, Meyer M., Uplowman, near Tiverton, England. Pyrophoric lighter. 2,617,285, Nov. 11.

Levenson, Gerald I. P., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process using high-intensity flash exposure. 2,592,298, Apr. 8.

Leventhal, Gabriel, New York, N. Y. Closure appliance. 2,603,787, July 22.

Leveque, Bernard T., Wenham, assignor to Emmons Loom Harness Company, Lawrence, Mass. Loom harness with slidable heddle bar support. 2,591,563, Apr. 1.

Leveque, Bernard T., Wenham, assignor to Emmons Loom Harness Company, Lawrence, Mass. Loom harness for drawing in machines. 2,623,548, Dec. 30.

Lever Brothers Company, assignee: *See*—
Bodman, John W.
Meyer, Hans.
Rourke, John, and Dow.
Van Loon, Christiaan, Smit, and van Alkemade.
Wilson, Arthur D., Oakley and Rourke.

Leverence, Stanley J., Chicago, Ill. Foldable and packagable window screen. 2,619,168, Nov. 25.

Levereth, Anthony, Belleville, N. J. Safety lockbox. 2,591,270, Apr. 1.

Levereth, Anthony, Belleville, N. J. Safety lockbox. 2,591,271, Apr. 1.

Leverett, Geneva, assignee: *See*—
Merrion, Marshel D.

Leverock, Bernard, Lynbrook, N. Y. Fountain pressure supply car washer. 2,583,432, Jan. 22.

Levers, James F., and R. V. Patchett, Spondon, near Derby, England, assignors to Celanese Corporation of America. Electrical device. 2,582,341, Jan. 15.

Levers, James F., and R. V. Patchett, Spondon, near Derby, England, assignors to Celnese Corporation of America. Weaving electrical resistance devices. 2,582,342, Jan. 15.

Leverson, Alton: *See*—
Barnard, John D., and Leverson.

Leverton and Company, assignee: *See*—
Hungate, William.

Le Vesconte, Harold J., Glendale, Calif. Plate and cup supporting device. 2,603,439, July 15.

Le Vesconte, Harold J., Glendale, and G. W. Plumb, North Hollywood, Calif.; said Plumb assignor to said Le Vesconte. Plate and cup supporting device. 2,603,440, July 15.

Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Gauge. 2,581,264, Jan. 1.

Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Taper control indicator. 2,600,550, June 17.

Levesque, Simon J., St. Leonard, New Brunswick, Canada. Potato separator. 2,612,993, Oct. 7.

Levey, Fred'k H., Co., Inc., assignee: *See*—
Brodie, George R.

Levi, Alphonse F.: *See*—
Long, Frank V., Lee, Levi, and Keane.

Levi, Melvin H., Kew Gardens, N. Y. Bottle and cup combination. 2,619,245, Nov. 25.

Levi, Roberto, New York, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Rhenium plating. 2,616,840, Nov. 4.

Levin, Aaron A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyepiece for telescopes. 2,620,706, Dec. 9.

Levin, Arnold, Brooklyn, N. Y. Laminated cushioning sole for shoes. 2,597,879, May 27.

Levin, Bayre, Detroit, Mich. Hot-air register. 2,587,633, Mar. 4.

Levin, Ezra, Champaign, Ill. Drying and defatting tissue. 2,619,425, Nov. 25.

Levin, Isadore, Washington, D. C. Disposable toilet seat cover. 2,580,563, Jan. 1.

Levin, Joseph, Baltimore, Md., assignor to Umbrella Machinery Corp., New York, N. Y. Grommet for umbrellas. 2,590,332, Mar. 25.

Levin, Nathan, Trenton, N. J. Knitting machine and method. 2,615,319, Oct. 28.

Levin, Robert H.: *See*—
Marlatt, Paul E., Hanze, McIntosh, and Levin.
Spero, George B., Levin, and Heyl.

Levin, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. Adducts of bisnorcholatrienic-22-aldehydes. 2,620,337, Dec. 2.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3-acyloxy-5,7,9(11)-androstatrien-17-one adducts. 2,584,137, Feb. 5.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Pyrolysis of steriod products. 2,588,396, Mar. 11.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 24-substituted delta 5-cholene-3, 24-diols. 2,594,323, Apr. 29.

Levin, Robert H., and M. M. Wesner, assignors to The Upjohn Company, Kalamazoo, Mich. 11-bromo steroid adducts. 2,603,640, July 15.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Aromatic B ring steroids. 2,606,913, Aug. 12.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Adducts of 9,11 - oxido - 5,7 - pregnadien - 3,20 - dione. 2,617,801, Nov. 11.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Adducts of 5,7,9(11)-pregnatrien-3,20-dione. 2,617,802, Nov. 11.

Levin, Robert H., and A. V. McIntosh, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. Adducts of 22 - acyloxybisnor - 5,7,9(11),20(22) - cholatetraenes. 2,620,338, Dec. 2.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3-acyloxy-5,7,9(11)-pregnatrien-20-one-21-acetate adducts. 2,621,176, Dec. 9.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3 - acyloxy - 9,11 - oxido - 5,7 - pregnadien - 20 - one - 21-acetate aducts. 2,621,177, Dec. 9.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3,20-diacyloxy-9(11),17(20)-dioxido-5,7-pregnadien adducts. 2,621,178, Dec. 9.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 21-bromo steroid adducts. 2,621,179, Dec. 9.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 17-bromo steroid adducts. 2,621,180, Dec. 9.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 12-bromo steroid adducts. 2,623,043, Dec. 23.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 17-bromo 9,11-oxido steroid adducts. 2,623,044, Dec. 23.

Levin, Robert, H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid aldehydes. 2,623,054, Dec. 23.

Levine, Abraham, Elizabeth, N. J. Combined side catch and lock for bag frames. 2,594,940, Apr. 29.

Levine, Arnold M., Forest Hills, N. Y., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, Clifton, N. J. Pulse demodulator system. 2,604,592, July 22.

Levine, Arnold M., River Edge, assignor, by mesne assignments, to Federal Telephone and Radio Corporation, Clifton, N. J. Pulse multiplex transmission system. 2,607,035, Aug. 12.

Levine, Assir M., New York, N. Y. Apparatus for the control of heating. 2,620,136, Dec. 2.

Le Vine, Charles K., Spivak, Colo., assignor to ClubBoy, Inc. Golf bag divider. 2,607,382, Aug. 19.

Levine, David, assignor to Crest Lock Co., Inc., New York, N. Y. Luggage hardware. 2,613,770, Oct. 14.

Levine, David, assignor to Crest Lock Co., Inc., New York, N. Y. Article of luggage hardware. 2,613,771, Oct. 14.

Le Vine, Harris D., Arlington, N. J., and H. J. Di Giovanni, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation detection and measuring means. 2,620,446, Dec. 2.

Levine, John, Brooklyn, N. Y. Clothespin holder. 2,591,169, Apr. 1.

Levine, Leonard: *See*—
Edgar, Robert F., and Levine.

Levine, Morris, assignor, by mesne assignments, to Southern Production Company, Inc., Fort Worth, Tex. Solutions of cellulose nitrate in N-dialkyl phosphoric acid amide. 2,619,427, Nov. 25.

Levine, Morris, Tulsa, and R. M. Isham, Okmulgee, Okla., assignors, by mesne assignments, to Southern Production Company, Inc., Shreveport, La. Separating acetylene. 2,623,611, Dec. 30.

Levine, Samuel J., Irvington, N. J. Device for counting and dispensing pills. 2,618,420, Nov. 18.

Levine, Samuel J., West Orange, N. J., assignor to General Electric Company. Air-cooling attachment for warm air furnace systems. 2,598,397, May 27.

Levings, Sherburne D., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Cup support and drain. 2,598,665, June 3.

Levinson, Benjamin L., New York, N. Y., assignor, by mesne assignments, to Levinson Manufacturing Company, Inc., Pawcatuck, Conn. Illuminated toy figure. 2,605,385, July 29.

Levinson, Louis J., and A. Shebel, New York, N. Y. Collapsible display device. 2,591,170, Apr. 1.

Levinson Manufacturing Company, Inc., assignee: *See*—
Levinson, Benjamin L.

Levinson, Moses, Yonkers, assignor to N. Levinson, New Rochelle, N. Y. Folding table or the like. 2,609,072, Sept. 2.

Levinson, Nathan, assignee: *See*—
Levinson, Moses.

Levintow, Leon, and J. P. Greenstein, Silver Spring, Md., assignor to the United States of America as represented by the Administrator of the Federal Security Agency. Enzymatic resolution of amino acids. 2,616,828, Nov. 4.

Le Viseur, Kurt G., Youngstown, and L. Larson, Shaker Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Bleeder and equalizer for blast furnaces. 2,585,800, Feb. 12.

Levit, Adolfo, Buenos Aires, Argentina. Meat-cutting machine. 2,617,460, Nov. 11.

Levitation Limited, assignee: *See*—
Thornhill, Peter W.

Levitin, Benjamin, J. G. Brown, I. W. and M. B. Peeples, Washington, D. C. Foldable furniture unit. 2,593,319, Apr. 15.

Levitt, Alton B., St. Louis, Mo. Portable holder for flower baskets or containers. 2,594,187, Apr. 22.

Levitt, Arnold, Dorchester, Mass. Device for electrically splicing wires. 2,602,831, July 8.

Levitt, Benjamin A., Los Angeles, Calif., assignor to A. L. Siegel Co., Inc., New York, N. Y. Garment bag. 2,594,569, Apr. 29.

Levitt, Joseph L., Miami Beach, Fla. Sport shirt or like garment. 2,585,142, Feb. 12.

Levkoff, David, Great Neck, N. Y. Machine for setting-up cartons. 2,581,115, Jan. 1.

Levkoff, David, Great Neck, N. Y. Machine for folding cartons. 2,583,860, Jan. 29.

Levkoff, David, Great Neck, N. Y. Apparatus for setting-up box blanks. 2,587,050, Feb. 26.

Levkoff, David, Great Neck, N. Y. Folding box or carton. 2,593,773, Apr. 22.

Levkoff, David, Great Neck, N. Y. Carton. 2,595,678, May 6.

Levkoff, David, Great Neck, N. Y. Machine for setting-up box blanks. 2,598,569, May 27.

Levy, Charles, assignee: *See*—
Roman, John.

Levy, Eric H., Baltimore, Md. Electronic impedance meter. 2,600,998, June 17.

Levy, Ernest, Jr., Bronx, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn. Phase balance of 3-phase inverter. 2,610,991, Sept. 16.

Levy, Gustave, East Orange, assignor to National Union Radio Corporation, Orange, N. J. Making scotophor screens. 2,615,821, Oct. 28.

Levy, Harry W., assignee: *See*—
Widen, Herbert.

Levy, Herbert, Bronx, N. Y. Vacuum cleaner carrier. 2,611,149, Sept. 23.

Levy, Herman C., New York, N. Y., assignor to Beckwith Manufacturing Company, Dover, N. H. Sueded quarter linings. 2,619,441, Nov. 25.

Levy, Juan: *See*—
Krasñansky, Natalio, Sulik, Eliscovich, and Levy.

Levy, Maurice W., Verona, N. J. Hearing aid device. 2,616,985, Nov. 4.

Levy, Norman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of olefin oxides. 2,585,478, Feb. 12.

Levy, Norman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of olefin oxides. 2,585,479, Feb. 12.

Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Retractable landing gear for aircraft. 2,591,839, Apr. 8.

Levy, Robert M.: *See*—
Schur, Milton O., and Levy.

Levy, William G., North Conway, N. H. Gunrack. 2,616,566, Nov. 4.

Levy, William G., North Conway, N. H. Locking type gunrack. 2,623,639, Dec. 30.

Lew, Baak W., Arden, assignor to Atlas Powder Company, Wilmington, Del. Crystallization process. 2,595,679, May 6.

Lew, Jacob B., assignee: *See*—
Sakirsky, Jack.

Lewallen, Herschal G., Anderson, Ind. Cuff attachment for trouser legs. 2,583,861, Jan. 29.

Lewallen, Worth M., High Point, N. C. Reclining chair. 2,595,590, May 6.

Lewan, George, assignor to C. G. Conn, Ltd., Elkhart, Ind. Snare for drums. 2,604,001, July 22.

Lewando, Felix J., assignor to The Gillette Company, Boston, Mass. Safety razor. 2,623,279, Dec. 30.

Lewenhagen, Gotthard A., Stockholm, Sweden. Tube cleaner. 2,596,571, May 13.

Lewin, Gerhard, Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Igniter. 2,605,441, July 29.

Lewin, Gerhard, Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,617,064, Nov. 4.

Lewin, Gerhard, Maplewood, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,617,065, Nov. 4.

Lewin, Gerhard, Maplewood, and E. A. Goldman, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device and making the same. 2,617,070, Nov. 4.

Lewin, Henry, Clarksville, Tenn. Stem remover for tobacco leaves. 2,599,267, June 3.

Lewin, William H., New York, N. Y. Clutch and brake for motor drives. 2,589,830, Mar. 18.

Lewis, Albert M., Detroit, Mich. Apparatus for fermenting sponge dough. 2,581,034, Jan. 1.

Lewis, Allen H., Berkeley, and R. D. Stayner, Albany, assignors to California Research Corporation, San Francisco, Calif. Esters of alkane phosphonic acids. 2,587,340, Feb. 26.

Lewis, Arthur J., assignor to The Baird Machine Company, Stratford, Conn. Reversing drive. 2,602,341, July 8.

Lewis, Arthur P., Fairhaven, Mass., and C. F. Fisk, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y. Apparatus for heat-treating nylon yarn or cord. 2,593,320, Apr. 15.

Lewis, Cecil G., Avoca, Minn. Wire supporting device. 2,618,685, Nov. 18.

Lewis, Courtney R., Mount Holly, Ark. Test light and socket therefor. 2,581,116, Jan. 1.

Lewis, Cyrus C.: *See*—
Bond, Auraldo W., and Lewis.

Lewis, Dan, assignor to Consolidated Products Company, Danville, Ill. Poultry feeding. 2,593,577, Apr. 22.

Lewis, Dan, Danville, Ill., and S. M. Weisberg, East Islip, N. Y., assignors to Consolidated Products Company, Danville, Ill. Nutriment for poultry. 2,620,274, Dec. 2.

Lewis, Dola T., Beaufort, N. C. Row marker control apparatus. 2,586,356, Feb. 19.

Lewis, Donald, Dallas, Tex., assignor to I. Lewis Cigar Manufacturing Company, Newark, N. J. Collapsible display rack for cigar boxes and similar items. 2,611,491, Sept. 23.

Lewis, Douglas R., Summit, assignor, by mesne assignments, to The Viscoseal Corporation, Union, N. J. Sealing device. 2,601,997, July 1.

Lewis, Douglas R., Summit, assignor, by mesne assignments to The Viscoseal Corporation, Union, N. J. Sealing unit. 2,612,390, Sept. 30.

Lewis, Edward B., Denver, Colo. Door opening detector device. 2,621,998, Dec. 16.

Lewis, Elisha B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Latex foam stabilized with ethyl orthosilicate and ammonia. 2,585,143, Feb. 12.

Lewis, Elmer F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Ringing current supply system for telephones. 2,585,022, Feb. 12.

Lewis, Elmer F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Testing equipment for automatic telephone systems. 2,585,023, Feb. 12.

Lewis, Emanuel J., Chicago, Ill. Film holder. 2,613,040, Oct. 7.

Lewis Engineering Company, The, assignee: *See*—
Knudsen, Knud J.

Lewis, Ernest E., Scotia, and R. E. Thorn, Schenectady, N. Y., assignors to General Electric Company. System for paralleling electric alternators. 2,590,023, Mar. 18.

Lewis, Frank M., Weston, Mass., and W. A. Morain, Hamilton, Ohio, assignors, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Starter for free piston engines. 2,600,251, June 10.

Lewis, George G., and R. C. Conner, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,621,521, Dec. 16.

Lewis, Gordon M.: *See*—
Marchant, Francis C. I., and Lewis.

Lewis, Guy C., New Orleans, La. Bottomless box and balloon trawl net, including front netting and adjustably connected trawl board. 2,618,879, Nov. 25.

Lewis, Harold, Indianapolis, Ind. Fluid content indicator for cigarette lighters. 2,605,634, Aug. 5.

Lewis, Harold A.: *See*—
Horn, Gerald B., and Lewis.

Lewis, Harold G., assignor of thirty-three and one-third per cent to J. C. Clendenin and thirty-three and one-third per cent to A. I. Clendenin, Peytone, W. Va. Coal cutting and loading machine. 2,595,398, May 6.

Lewis, Henry E., Murray, assignor of seventy per cent to S. L. Rasmussen, twenty percent to E. G. Jensen, and ten per cent to P. H. and P. A. Mallinckrodt, Salt Lake City, Utah. Decantation apparatus. 2,603,355, July 15.

Lewis, Howard B.: *See*—
Larson, Glen M., and Lewis.

Lewis, I., Cigar Manufacturing Company, assignee: *See*—
Lewis, Donald.

Lewis, Idwal O., Ardrossan, and R. D. J. Owens, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Production of ventless delay initiators for explosive or other charges capable of exothermic reaction. 2,619,035, Nov. 25.

Lewis Invisible Stitch Machine Company, assignee: *See*—
Mueller, Charles W.
Nelson, George W.

Lewis, James P., and R. R. Rader, Howard, Kans. Lawn mower sharpener. 2,586,236, Feb. 19.

Lewis, James P., and R. R. Rader, Howard, Kans. Lawn mower sharpening device. 2,613,483, Oct. 14.

Lewis, John B., Englewood, N. J., and L. Kenner, New York, N. Y., assignors to Amm-I-Dent, Inc., Jersey City, N. J. Dental paste. 2,588,324, Mar. 4.

Lewis, John H. W., Chaldon, near Caterham, England. Ironing stand. 2,609,626, Sept. 9.

Lewis, John P., Sr., Lumberton, N. C. Coin-operated game board and table. 2,596,259, May 13.

Lewis, Leonda L.: *See*—
Bachman, Gustave B., and Lewis.

Lewis, Lloyd V.: *See*—
Jerome, Arthur L., Lewis, and Pascoe.

Lewis, Lorena G., assignor to Parx Products Corp., New York, N. Y. Manicuring aid. 2,607,356, Aug. 19.

Lewis, Louis S., Winthrop, assignor to Marson Corp., Devere, Mass. Welting for fenders and the like. 2,616,722, Nov. 4.

Lewis, Louis S., Winthrop, assignor to Marson Corp., Revere, Mass. Automotive welting. 2,616,723, Nov. 4.

Lewis, Maggi: *See*—
Lewis, Margaret.

Lewis, Margaret, also known as Maggi Lewis, New York, N. Y. Plateau. 2,584,392, Feb. 5.

Lewis, Maxwell H., assignee: *See*—
Seeger, Robert W., and Felts.

Lewis, Morgan J., Philadelphia, Pa. Meter trough and box. 2,582,038, Jan. 15.

Lewis, Morgan J., Philadelphia, Pa. Electric instrument socket. 2,592,299, Apr. 8.

Lewis, Morgan J., Philadelphia, Pa. Circuit breaker contact. 2,620,417, Dec. 2.

Lewis, Paul F., Tulsa, Okla., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive dump shell. 2,594,780, Apr. 29.

Lewis, Paul M., Chicago, Ill., assignor to Peninsular Metal Products Corporation, Detroit, Mich. Helicopter rotor construction. 2,612,962, Oct. 7.

Lewis, R. V., assignee: *See*—
Bond, Virgil V.

Lewis, Richard W., Hawkhill Dundee, Scotland, and R. P. Richardson, Erith, assignors to Burndept Limited, London, England. Primary electric cell. 2,595,963, May 6.

Lewis, Robert C.: *See*—
Efromson, Philip C., and Lewis.

Lewis, Robert G., Caldwell, N. J., assignor to R. E. Bitner, Manhasset, N. Y. Copyholder. 2,620,771, Dec. 9.

Lewis, Robert G., Chippewa Falls, assignor of one-half to S. D. Wells, Combined Locks, Wis. Continuous pulp digester. 2,606,114, Aug. 5.

Lewis, Robert J.: *See*—
Longo, John, Tourshou, and Lewis.

Lewis, Roy K., Dallas, Tex. Hoist for transporting invalids. 2,598,570, May 27.

Lewis-Shepard Company, assignee: *See*—
Gilman, Wilbert M.

Lewis, Thomas G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lapping method and apparatus. 2,612,736, Oct. 7.

Lewis, Thomas M., assignor to Conveyor Cafeterias, Limited, London, England. Construction and arrangement of restaurants. 2,603,314, July 15.

Lewis, W. Walker, Jr., executor: *See*—
McCrery, Harold E.

Lewis, Warner, Company, assignee: *See*—
Lewis, Warner, Jr., and Clifton.

Lewis, Warner, Jr., and L. T. Clifton, assignors to Warner Lewis Company, Tulsa, Okla. Two-stage filter. 2,612,270, Sept. 30.

Lewis, Warren J.: *See*—
Donaldson, Raymond W., and Lewis.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Hanger for electric conductors. 2,616,827, Nov. 4.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley base. 2,616,992, Nov. 4.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Knife blade switch. 2,620,415, Dec. 2.

Lewis, Warren K., Cambridge, Mass., assignor to Standard Oil Development Company. Production of fuel gases. 2,623,817, Dec. 30.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Recovering condensible material from vaporous mixtures. 2,607,440, Aug. 19.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Production of sulfur dioxide. 2,608,467, Aug. 26.

Lewis, Warren K., Newton, and E. R. Gilliland, Arlington, Mass., assignors to Standard Oil Development Company. Control method in reactions between hydrocarbons and metal oxides. 2,603,608, July 15.

Lewis, Warren K., Jr., West Orange, N. J., assignor to Standard Oil Development Company. Production of gas mixtures containing carbon monoxide and hydrogen. 2,607,670, Aug. 19.

Lewis, Wilbur M., East McKeesport, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake equipment. 2,587,051, Feb. 26.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,585,562, Feb. 12.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-correcting amplifier. 2,592,716, Apr. 15.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant resistance pseudohybrid channel branching microwave filters. 2,595,680, May 6.

Lewis, Willard D., Little Silver, and W. W. Mumford, Atlantic Highlands, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,585,563, Feb. 12.

Lewis, Willard D., Little Silver, and J. R. Pierce, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pseudohybrid microwave filter. 2,617,881, Nov. 11.

Lewis, William H., Altadena, assignor to Standard Steel Corporation, Los Angeles, Calif. Concrete spreader. 2,583,108, Jan. 22.

Lewis, William H., Rockford, Ill. Tiltable and vertically adjustable bedside table. 2,605,155, July 29.

Lewis, William H., Oakland, Calif., assignor, by mesne assignments, to The Pennsylvania Research Corporation. System for the production of a high-pressure sound field. 2,617,874, Nov. 11.

Lewis, William M., Brownfield, Tex. Combined cigarette extinguisher, ash tray, and paperweight. 2,600,785, June 17.

Lewis, William R.: *See*—
Kimball, Charles N., Lewis, and Strecker.

Lewis, William Y., assignor to Yorath Lewis Boilers Limited, London, England. Water tube steam generator of the field tube type. 2,600,999, June 17.

Lewis, Wilma L., Douglas, Wyo. Filled cooky cutter. 2,620,755, Dec. 9.

Lewis, Yorath, Boilers Limited, assignee: *See*—
Lewis, William Y.

Lewith, Wilson, assignee: *See*—
Batista, Claudio P.

Lewus, Alexander J., Cicero, Ill. Relay for alternating-current motors. 2,588,257, Mar. 4.

Lewy, Archie, assignee: *See*—
Oakes, Earle D.

Lewyt Corporation, assignee: *See*—
Meyerhoefer, Carl E.

Lexington Supply Company, The, assignee: *See*—
Miller, Perry E.

Leydon, Arthur J., Waltham, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Making freely flowable composition of two rubbers. 2,593,681, Apr. 22.

Leyonmark, George F., Avenel, and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Producing aqueous dispersions of rubberlike plastics. 2,595,797, May 6.

L'Heureux, Gilbert, Basel, Switzerland. Extension end table leaf elevator with latching means. 2,621,991, Dec. 16.

Liaaen, Nils Johannes: *See*—
Tornes, Ferdinand, and Liaaen.

Liaci, Angelo R., West Long Branch, N. J. Electric terminal and conductor mounting. 2,584,476, Feb. 5.

Liakhoff, Leonide: *See*—
Jacob, Robert M., Liakhoff, and Robert.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Anderson, Thomas F.
Babcock, Eugene W.
Barkley, Dwight W.
Beckham, Robert R.
Bunnell, Raymond H.
Colbert, William H., Weinrich, and Morgan.
Cordier, David E.
Dearing, William C.
Dearing, William C., and Howald.
Dicks, Norman A., and Schultz.
Drake, John L.
Dunipace, Donald W.
Gaiser, Romey A.
Goodwillie, David H.
Goralske, Arthur W.
Hatcher, David B.
Hatcher, David B., and Bunnell.
Haven, Charles D.
Howald, Arthur M., and Meyer.
Jendrisak, Joseph E.
Jones, John L.
Kirkman, William, and Barnett.
Leighton, George A.
Love, Burton.
Mazur, Ferdinand J.
McLaughlin, Ell H.
Morris, Joseph R.
Pearse, John P.
Ricker, Richard W.
Rickner, George E., and Koenig.
Ritter, George F.

Libbey-Owens-Ford Glass Company, assignee: *See*—Con.
Rodman, Frank A.
Ryan, Joseph D., and Mattimoe.
Sharp, Donald E.
Simons, John K.
Walters, Emmett L.
Watkins, George B.
Watkins, George B., and Gaiser.
Weinrich, Arthur R.

Libbey, W. S., Company, assignee: *See*—
Libbey, Winfield S.

Libbey, Winfield S., assignor to W. S. Libbey Company, Lewiston, Maine. Coating and treating a pile fabric to set the fibers in the upstanding position. 2,590,713, Mar. 25.

Libby, Albion D. T., assignee: *See*—
Chiego, Bernard.

Libby, Carl F., Stoughton, Mass. Narrow web with locked selvage and making same. 2,584,891, Feb. 5.

Libby, Henry I., Hampden, Mass. Airplane control. 2,588,020, Mar. 4.

Libby, McNeill & Libby, assignee: *See*—
Grosvenor, Oliver.

Libby, Raymond L.: *See*—
Erickson, John O., Stamm, and Libby.

Libby, William H.: *See*—
Hoch, Paul E., and Libby.

Libenson, Leon, Flemington, N. J. Stabilized tetrathiodilactic and tetrathiodiglycollic acid pharmaceutical. 2,598,004, May 27.

Liberatore, Laurence C.: *See*—
Thompson, Robert D., and Liberatore.

Liberatore, Laurence C., assignor to Taylor Instrument Companies, Rochester, N. Y. Stabilising the molecular arrangement of glass thermometers. 2,610,445, Sept. 16.

Liberg, Edwin R., Brooklyn, N. Y., assignor to Radio Corporation of America. Relay counting circuit. 2,593,578, Apr. 22.

Liberman, Ada, Seattle, Wash.; now by change of name Loretta Liberman. Child's sewing kit. 2,585,946, Feb. 19.

Liberman, Arie, Chicago, Ill. Selective switching system. 2,594,043, Apr. 22.

Liberman, Loretta: *See*—
Liberman, Ada.

Liberty, Lance, assignee: *See*—
Shearer, Arthur H.

Libin, Leslie, and J. E. Spalding, Calgary, Alberta, Canada. Hoisting plug for drills. 2,622,916, Dec. 23.

Libman, Dennis D.: *See*—
Newbery, George, and Libman.

Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Control system for taxicab meters. 2,585,665, Feb. 12.

Libman, Earl E., Brooklyn, N. Y., assignor, by mesne assignments, to Burroughs Adding Machine Company. Throat mechanism for statistical card machines. 2,617,649, Nov. 11.

Libman, Earl E., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Interzone interference device for guns. 2,583,058, Jan. 22.

Libois, Louis-Joseph, Paris, France. Pulse shaping circuit. 2,587,741, Mar. 4.

Librascope, Incorporated, assignee: *See*—
Opocensky, Willard J.
Opocensky, Willard J., and Imm.

Libreg, Edwin R.: *See*—
Spencer, James A., and Liberg.

Licata, Francis J.: *See*—
Cunder, Joseph, and Licata.

Licentia Patent-Verwaltugns-G. m. b. H., assignee: *See*—
Leopold, Otto.

Lichaw, Milton, Brooklyn, N. Y. Portable radio receiving set. 2,593,579, Apr. 22.

Lichko, William V., Cleveland, Ohio. Wheeled sounding toy in the form of a pig. 2,583,658, Jan. 29.

Licht, Anna, New York, N. Y. Brace for lady's garment. 2,595,088, Apr. 29.

Licht, Anna, New York, N. Y., assignor to The French Look, Inc., Peterson, N. J. Lady's garment. 2,605,469, Aug. 5.

Licht, Hyman S.: *See*—
Tarter, Christopher C., and Licht.

Lichten Company, assignee: *See*—
Pietrzak, Henry S.

Lichtenstein, E., assignee: *See*—
Hills, Elmer G.

Lichtenstein, Herbert A., Bangor, Maine. Dispensing container having an electrically vibrated screen. 2,583,862, Jan. 29.

Lichtman, Samuel W., Oxon Hill, Md. Radio activity detector and discriminator. 2,584,138, Feb. 5.

Lickteig, Albert F., Jr., Grand Rapids, Mich. Reversible door latch. 2,605,126, July 29.

Lickteig, Albert F., Jr., Grand Rapids, Mich., assignor, by mesne assignments, to Harloc Products Corporation. Reversible latch mechanism. 2,622,908, Dec. 23.

Liddiard, Edwin A. G.: *See*—
Eborall, Esther M. D., Baker, and Liddiard.

Liddicoat, Percill, Niagara on the Lake, assignor to Thompson Products, Limited, St. Catharines, Ontario, Canada. Rock drilling tool. 2,592,440, Apr. 8.

Lidford, John A.: *See*—
Karlsson, Per H., and Lidford.

Lidgerwood Mnufacturing Company, assignee: *See*—
Binder, Charles F.

Lidov, Rex E.: *See*—
Herzfeld, Simon H., Lidov, and Bluestone.
Segel, Edward, Lidov, and Hyman.

Lidov, Rex E., J. Hyman, and E. Segel, Denver, Colo.; said Lidov and said Segel assignors to Velsicol Corporation, Chicago, Ill. Diels-Alder adducts of hexahalocyclopentadiene with quinones. 2,584,139, Feb. 5.

Liebe, August A.: *See*—
Köhler, Jacob W. L., Jonkers, Stigter, and Liebe.

Liebe, August A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Piston and connecting rod assembly. 2,616,247, Nov. 4.

Liebel-Flarsheim Company, The, assignee: *See*—
Fischer, Robert E.
Gieringer, Carl K., and Duckering.

Lieber, Eugene, Chicago, Ill., and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricating oil additives. 2,599,337, June 3.

Lieberknecht, Karl, Inc., assignee: *See*—
Smetana, Otto F.

Lieberman, Edgar M., Jackson County, Mo. Making pinking scissors. 2,590,024, Mar. 18.

Lieberman, Eli: *See*—
Lee, Aaron, and Lieberman.

Lieberman, Frank, Detroit, Mich. Brush container. 2,622,728, Dec. 23.

Lieberman, Nathan L., New York, N. Y. Hinge. 2,596,816, May 13.

Liebl, Albert W., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Conveyer mechanism for folding carton blanks. 2,598,809, June 3.

Liebl, Franz J., Bad Weilbach, near Wiesbaden, Germany. Steam locomotive. 2,619,043, Nov. 25.

Liebling, Rose, Atlanta, Ga. Toilet seat. 2,584,141, Feb. 5.

Liebowitz, Benjamin, Lewisboro, N. Y. Anticurl device for collars. 2,601,038, June 17.

Liebowitz, Benjamin, Lewisboro, N. Y. Spinning method and apparatus. 2,602,195, July 8.

Liebowitz, Benjamin, Lewisboro, N. Y. Shuttle mechanism for looms. 2,620,831, Dec. 9.

Liebowitz, Benjamin, New York, N. Y. Anticurl device for collars. 2,601,035, June 17.

Liebowitz, Benjamin, New York, N. Y. Article of wearing apparel. 2,601,036, June 17.

Liebowitz, Benjamin, New York, N. Y. Inserting stay strips in collars. 2,601,037, June 17.

Liebson, Sidney H., Washington, D. C. Iodine counter. 2,586,836, Feb. 26.

Liebson, Sidney H., Washington, D. C. Chlorine counter. 2,590,108, Mar. 25.

Liechti, Albert, Zurich, assignor to Micafil A. G., Zurich-Altstetten, Switzerland. Electrical condenser. 2,589,831, Mar. 18.

Liechty, Melvin E., Berne, Ind. Speaker's folding stand. 2,598,128, May 27.

Lieder, Bruno, Elsingen-on-the-Fils, Germany, assignor to Papierfabrik Fleischer G. m. b. H., Elsingen/Fils, West Germany. Corner mounts and method and apparatus for making same. 2,622,055, Dec. 16.

Liedholm, Carl A., Mountain Lake, N. J., assignor to Curtiss-Wright Corporation. Reinforced propeller blade. 2,615,520, Oct. 28.

Lien, Arthur P.: *See*—
Deters, John F., Lien, and Shalit.
Higley, Willard S., Zimmerschied, and Lien.
Johnson, Carl E., and Lien.
McCaulay, David A., and Lien.

Lien, Arthur P., Hammond, Ind., and D. A. McCaulay, assignors to Standard Oil Company, Chicago, Ill. Mesitylene manufacture. 2,589,621, Mar. 18.

Lien, Harold G., and W. A. Bishman, Minneapolis, Minn., assignors to G. C. Carlson, Chetek, Wis. Pivotally mounted axially traveling tire removing tool. 2,621,715, Dec. 16.

Lienart, Marcel, Brussels, Belgium, assignor to St. Regis Paper Company, New York, N. Y. Multiply bag tubing machine. 2,581,801, Jan. 8.

Lienhart, Jean, assignor to Compagnie Francaise De Raffinage, Paris, France. Apparatus for continuous catalysis. 2,599,466, June 3.

Liese, Harry G., assignee: *See*—
Howe, William H., and Reed.

Liesener, Delwyn, Jackson, Wis. Elevated carriage for vacuum cleaners. 2,591,365, Apr. 1.

Lieske, George A.: *See*—
McKenney, Henry F., and Lieske.

Lietz, Lilas L., Blank River Falls, Wis. Swingable armrest for desks. 2,605,153, July 29.

Lieutard, Emile A., San Francisco, Calif. Movable highway signal. 2,594,463, Apr. 29.

Lieuwen, Pete, New Holland, S. Dak. Liquid dispenser. 2,585,801, Feb. 12.

Life Ease Products, Inc., assignee: *See*—
Zimmermann, Karl G.

Lifschutz, Luba: *See*—
Kronhaus, Dina, and Lifschutz.

Lifshutz, David A., assignee: *See*—
Hayman, George C.

Lifson, William E., Elizabeth, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Motor fuel. 2,599,338, June 3.

Lifton, Samuel H., New York, N. Y. Combination overnight case and portfolio. 2,595,089, Apr. 29.

Liger, Andrew W., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Electroplating bath and process. 2,615,837, Oct. 28.

Ligett, Waldo B.: *See*—
Burt, William E. and J. T., and Ligett.
McBee, Earl T., and Ligett.
McBee, Earl T., Ligett, and Lindgren.
McBee, Earl T., Robb, and Ligett.

Ligett, Waldo B., Berkley, R. D. Closson, Detroit, and C. N. Wolf, Ferndale, Mich, assignors to Ethyl Corporation, New York, N. Y. N-organolead-2,3-dihydrophthalazine-1,4-diones. 2,595,798, May 6.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Brake hanger stabilizer. 2,590,714, Mar. 25.

Light, George G., Scarsdale, and W. B. Blanton, Rockville Centre, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system with sequence message numbers checking 2,582,707, Jan. 15.

Light, George S., Winsted, Conn. Plastic and metal headed pin. 2,611,168, Sept. 23.

Light, Harry B., San Gabriel, Calif. Infant's toilet seat. 2,612,210, Sept. 30.

Light, John S., Granby, and E. V. De Carli, Ellington, Conn., assignors to Emhart Manufacturing Company. Molten glass level control apparatus. 2,613,002, Oct. 7.

Lighter, Stephen, Whitefish Bay, Wis., assignor to Gaylord Container Corporation, St. Louis, Mo. Bottle carrier. Re. 23,501, May 20.

Lightfoot, Richard D., Oak Park, Ill. Flexible shaft remote-control switch. 2,614,197, Oct. 14.

Lighting Products, Inc., assignee: *See*—
Lacy, Kenneth B., and Janness.

Lighting Specialties, Inc., assignee: *See*—
Vogel, William E.

Liguori, Anthony: *See*—
Shenk, Eugene R., and Liguori.

Lile, John A., Wichita, Kans. Tool for removing dents from sheet metal. 2,602,358, July 8.

Lile, Walter L., Roswel, N. Mex. Cigarette extinguisher. 2,584,275, Feb. 5.

Liles, Elmer E., Harvard, Ill. Plating point assembly for electroplating racks. 2,595,681, May 6.

Lilley, John W., Ferndale, assignor of fifty-five per cent to M. J. Basso, Detroit, Mich. Door hinge operated switch. 2,620,411, Dec. 2.

Lilienfeld, Alexandre, assignee: *See*—
Artoni, Maurice.

Lilienfeld, Julius E., St. Thomas, V. I. Electrolytic condenser for alternating current power circuits and operating the same. 2,585,947, Feb. 19.

Liljefors, Anders, Karlskrona, Sweden. Controllable hydraulic power transmission. 2,587,866, Mar. 4.

Liljenroth, Frans G., assignee: *See*—
Larsson, Markus.

Lillethorup, Niels, Omaha, Nebr. Door and screen assembly. 2,604,156, July 22.

Lilley, Arthur, Boreham Wood, England. Variable resistance. 2,582,343, Jan. 15.

Lilley, Chester G. H., Mount Rainier, Md. Self-ejecting chuck key. 2,609,719, Sept. 9.

Lilley, Samuel C., assignor to Easthampton Rubber Thread Co., Easthampton, Mass. Apparatus for splitting rubber thread. 2,587,634, Mar. 4.

Lillie, Eugene F., Minnetonka Beach, assignor to A B C Corrugated Box Company, Minneapolis, Minn. Breadbox. 2,620,118, Dec. 2.

Lillquist, Torsten O., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Generating electric traction and control system. 2,591,840, Apr. 8.

Lillquist, Torsten O., La Grange Park, Ill., assignor to General Motors Corporation, Detroit, Mich. Dynamic braking control. 2,624,029, Dec. 30.

Lilly Associates, Inc., assignee: *See*—
Lilly, Clarence, Sr.

Lilly, Clarence, Sr., Lonoke, assignor, by mesne assignments, to Lilly Associates, Inc., Little Rock, Ark. Stabilizer for four-wheeled vehicles. 2,610,073, Sept. 9.

Lilly, Ell, and Company, assignee: *See*—
Behrens, Otto K., Jones, Soper, and Corse.
Bellard, Jean Q., and Schnakenberg.
Bray, Malcolm D.
Burnside, Carl B.
Jones, Reuben G.
Jones, Reuben G., and Kornfeld.
Leighty, John A.
Mills, Jack.
Pohland, Albert.
Small, Ian H., and Loman.
Van Heyningen, Earle M.
Wiley, Paul F.

Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Squeegee nozzle attachment for vacuum cleaners. 2,610,351, Sept. 16.

Lily-Tulip Cup Corporation, assignee: *See*—
Amberg, Walter E.
Brown, John H., Jr.
Miller, Albert F.

Lima, John: *See*—
Tambini, Albert L., Burnett, Fischer, and Lima.

Lime, Iola S., Kansas City, Mo. Measuring apparatus for beverage brewing machines. 2,606,697, Aug. 12.

Limerick, Jack M., Bathurst, New Brunswick, Canada. Removing hemicellulose from wood pulp. 2,592,300, Apr. 8.

Limpert Brothers, Incorporated, assignee: *See*—
Moser, Frank T.

Limpright, Clifford B., Marysville, Wash. Fishing reel. 2,613,883, Oct. 14.

Limpus, Isaac O., Shelbyville, Ind. Wire splicing pliers. 2,611,397, Sept. 23.

Linard, René: *See*—
D'Angely, Jean, and Linard.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing dianisidine. 2,586,837, Feb. 26.

Linck, Edwin A., Binghamton, N. Y. Target interceptor radar aircraft trainer. 2,602,243, July 8.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Circuit opening device. 2,587,341, Feb. 26.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electrical protective device. 2,600,305, June 10.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electrical protective device. 2,612,542, Sept. 30.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Flip-open disconnecting switch. 2,617,908, Nov. 11.

Lincks, George F., and S. R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company. Fuseless circuit interrupting device. 2,587,342, Feb. 26.

Lincoln, Alden A., assignor to Acme Shear Company, Bridgeport, Conn. Pivot for shears. 2,594,941, Apr. 29.

Lincoln Brass Works, Inc., assignee: *See*—
Du Perow, Donald W.

Lincoln, Clovis W., and P. B. Zeigler, Saginaw, and R. A. Malone, Chesaning, assignors to General Motors Corporation, Detroit, Mich. Direction signal device. 2,617,902, Nov. 11.

Lincoln Electric Company, The, assignee: *See*—
Payne, Harold S.

Lincoln Engineering Company, assignee: *See*—
Cook, Norbert F., and Walls.
Fox, Alexander P., and Reisert.
Fox, Alexander P., and Rotter.
Klein, Victor G., and Mueller.

Lincoln, James: *See*—
Drewitt, James G. N., and Lincoln.
Fisher, James W., and Lincoln.

Lincoln, Joseph, Manufacturing Company, Inc., The, assignee: *See*—
Weikert, Roy J.

Lincoln Rochester Trust Company, executor: *See*—
Schubert, Alvin E., Egan, and Hopkins.

Lincoln, Roland L., Dover, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,615,529, Oct. 28.

Lincoln, Wylys L., assignor to Monogram Manufacturing Company, Los Angeles, Calif. Sheet metal clamp operating tool. 2,594,942, Apr. 29.

Lincoln Park Industries, Inc., assignee: *See*—
Williamson, Donald E.

Lind, Alvin C., Detroit, and B. M. Zuhn, Mount Clemens, assignors to National Automotive Fibres, Inc., Detroit, Mich. Hog ring clinching device. 2,605,467, Aug. 5.

Lind, Carl J., Skokie, Ill., assignor to Gillette Safety Razor Company, Boston, Mass. Molding and assembling method and apparatus. 2,591,564, Apr. 1.

Lind, Erick W., Minneapolis, Minn. Trigger lock for one-trigger guns. 2,598,924, June 3.

Lind, Harry W., Rockford, Ill. Power drive. 2,587,343, Feb. 26.

Lind, John, assignor of one-half to A. E. Otis, Newberg, Oreg. Clock operated perpetual calendar. 2,592,047, Apr. 8.

Linda, Frank R., White Plains, assignor to St. Regis Paper Company, New York, N. Y. Fungus inhibiting container for peat moss and the like. 2,615,614, Oct. 28.

Lindahl, Henning W., Landskrona, Sweden. Automatically controlled burner apparatus for heating automobile engines. 2,605,821, Aug. 5.

Lindahl, Henning W., Landskrona, assignor to Aktiebolaget Nilsson & Johansson, Stockholm, Sweden. Sharpening machine. 2,617,235, Nov. 11.

Lindau, John H., Kansas City, Mo., R. P. Stewart, and J. D. Black, Wilmore, Kans. Hydraulic lift for cutter bars. 2,612,018, Sept. 30.

Lindau, Ora F., assignee: *See*—
Schurmann, Harold.

Lindbeck, Howard R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Circuit breaker. 2,589,010, Mar. 11.

Lindberg, Arthur F., assignor to De Vry Corporation, Chicago, Ill. Mechanical dowser for motion-picture projecting apparatus. 2,613,573, Oct. 14.

Lindberg, Carl A., Toledo, Ohio. Electric fan. 2,590,877, Apr. 1.

Lindberg Engineering Company, assignee: *See*—
Lang, Karl A.
Speck, William H.

Lindberg, Ernie L., assignee: *See*—
Lindberg, John E., Jr., Ray, and Walker.

Lindberg, John E., Jr., assignee: *See*—
Lindberg, John E., Jr., Ray, and Walker.

Lindberg, John E., Jr., Redwood City, C. H. Ray, Millbrae, and B. Walker, Piedmont, assignors, by mesne assignments, of fifty-one per cent to J. E. Lindberg, Jr., Lafayette, forty per cent to B. Walker, Piedmont, and nine per cent to E. L. Lindberg, Emeryville, Calif. Liquid level indicator. 2,618,248, Nov. 18.

Lindberg, Peter H., Detroit, Mich. Tank inlet and outlet seal. 2,580,802, Jan. 1.

Lindberg, William S.: *See*—
Hoven, Alfred C., Nordmark, and Lindberg.

Lindbergh, John H., Stockholm, and G. Larsson, Jonkoping, assignors to A B Svenska Flaktfabriken, Stockholm, Sweden. Electrofilter. 2,616,516, Nov. 4.

Lindblad, Robert H., and S. C. Pyk, Nynashamn, Sweden. Purifying zirconium tetrachloride vapors. 2,618,531, Nov. 18.

Lindblom, Frank W., Cranston, R. I., assignor to Welsh Manufacturing Company. Brow-bar support for goggles. 2,614,314, Oct. 21.

Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Inlaid ophthalmic mounting method. 2,589,103, Mar. 11.

Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Two-color spectacle bridge. 2,596,572, May 13.

Linde, Hilding, Kalmar, Sweden. Dust cart. 2,590,236, Mar. 25.

Linde, Hilding, Kalmar, Sweden. Dustbin with hinged cover. 2,622,761, Dec. 23.

Lindell, Aubrey O. E.: *See*—
James, Emrys G., and Lindell.

Lindell, Martin, West Los Angeles, Calif. Speed control apparatus. 2,594,663, Apr. 29.

Lindell, Sigurd I., assignor to S & C Electric Company, Chicago, Ill. Circuit interrupter. 2,591,950, Apr. 8.

Lindell, Sigurd I., Chicago, Ill., assignor to S & C Electric Company. Dropout fuse construction. 2,599,186, June 3.

Lindell, Sigurd I., assignor to S & C Electric Company, Chicago, Ill. Switch construction. 2,621,271, Dec. 9.

Lindell, Sigurd I., Chicago, and C. E. Schultheiss, Libertyville, assignors to S & C Electric Company, Chicago, Ill. Fuse housing construction. 2,591,949, Apr. 8.

Lindell, Sigurd I., Chicago, and C. H. Baker, Maywood, assignors to S & C Electric Company, Chicago, Ill. Circuit interrupter construction. 2,599,187, June 3.

Lindeman, Charles A., Jr., Maywood, Ill. Intake and exhaust pressure regulator for supercharged internal-combustion engines. 2,622,391, Dec. 23.

Lindeman, Jesse G., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Hydraulic tool supporting structure. 2,589,104, Mar. 11.

Lindeman, Jesse G., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Tractor frame structure. 2,604,176, July 22.

Lindeman, Jesse G., Yakima, L. F. Heinl, Zillah, R. D. Krehbiel, and O. L. Durland, Yakima, Wash., assignors, by mesne assignments, to Deere & Company, Moline, Ill. Integral tool carrier. 2,616,349, Nov. 4.

Lindemann, Harley B.: *See*—
Sohn, William H., and Lindemann.

Lindemann, Reinhard C., Lucca, N. Dak. Animal fountain. 2,612,138, Sept. 30.

Lindemann, Robert E., Le Roy, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Trimming apparatus. 2,603,290, July 15.

Lindemann, Waldemar, assignee: *See*—
Moser, Paul K.

Lindemann, Waldemar, and F. van Endert, Duesseldorf, Germany. Scrap bundling and briquetting press. 2,605,657, Aug. 5.

Lindemuth, Lewis B., Port Washington, N. Y., assignor, by mesne assignments, to Great Lakes Steel Corporation, Wilmington, Del. Fused ore agglomerates. 2,605,179, July 29.

Lindemuth, Lewis B., Port Washington, N. Y., assignor, by mesne assignments, to Great Lakes Steel Corporation, Wilmington, Del. Agglomeration of metal bearing materials. 2,606,111, Aug. 5.

Linden, Carl E.: *See*—
Knosp, Robert N., Linden, and Wetzel.

Linden, Carl E., Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Tool ejector. 2,590,629, Mar. 25.

Linden, Carl E., Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Key mechanism for radial drill arms. 2,602,682, July 8.

Linden, Carl E., Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Tool ejector. 2,618,180, Nov. 18.

Linden, Gosta R., Nutley, assignor to J. M. Lehmann Company, Inc., Lyndhurst, N. J. Hydraulic roll positioner. 2,592,048, Apr. 8.

Linden, Samuel, Chelsea, assignor to Bunny Bear, Inc., Everett, Mass. Convertible bassinet and child's seat. 2,586,237, Feb. 19.

Linden, Samuel, Swampscott, assignor to Bunny Bear, Inc., Everett, Mass. Car bed. 2,617,119, Nov. 11.

Lindenau, Gustav A., Stevenson, Wash. Extensible hack saw frame. 2,616,465, Nov. 4.

Lindenbaum, Bernard, Dayton, Ohio. Heater based on utilization of jet propulsion units. 2,590,109, Mar. 25.

Lindenberg, Fred, Los Angeles, Calif. Sachet. 2,615,754, Oct. 28.

Lindenberg, Theodore, Manhasset, and G. T. Loughlin, Crestwood, N. Y. Diaphragm for electrostatic loudspeakers. 2,615,994, Oct. 28.

Lindenblad, Nils E.: *See*—
Hansell, Clarence W., and Lindenblad.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Air-borne radio relaying system. 2,598,064, May 27.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna and matching circuit. 2,615,131, Oct. 21.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna system. 2,596,492, May 13.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Compact artificial transmission line. 2,606,968, Aug. 12.

Lindenfelser, Richard, Darien, and M. Kilthau, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Melamine-formaldehyde resinous composition containing acetyl benzamide. 2,619,480, Nov. 25.

Lindenmeyer, Ray S., Evanston, Ill. Construction toy connector. 2,609,638, Sept. 9.

Lindenmuth, Henry W., Dearborn, Mich., assignor to Auto-Go, Incorporated. Automobile self-starter with safety cutout. 2,584,477, Feb. 5.

Lindenmuth, Henry W., Dearborn, Mich., assignor to Auto-Go, Incorporated. Automobile self-starter safety switch. 2,584,478, Feb. 5.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Generating electrical energy from a radioactive source. 2,598,925, June 3.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Apparatus for utilizing cumulative ionization. 2,602,908, July 8.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Magnetron. 2,615,144, Oct. 21.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Internal-combustion engine ignition. 2,617,841, Nov. 11.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Electron beam device and system employing space charge neutralization. 2,622,225, Dec. 16.

Linderfelt, Hal R., West Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc. Latch mechanism. 2,587,867, Mar. 4.

Lindgren, Edward C., Maple Park, assignor of one-half to C. F. Dayton, De Kalb, Ill. Swimming appliance. 2,593,321, Apr. 15.

Lindgren, Frank A., assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mining machine. 2,619,338, Nov. 25.

Lindgren, Frank A., La Grange, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,610,048, Sept. 9.

Lindgren, Vincent V.: *See*—
McBee, Earl T., Ligett, and Lindgren.

Lindh, Karl S., and K. T. Tureson, assignors to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Fume exhauster for tiltable furnaces. 2,606,016, Aug. 5.

Lindhagen, Teodor I.: *See*—
Boestad, Gustav K. W., and Lindhagen.

Lindhe, Gunnar E., Halmstad, Sweden. Arrangement for the automatic feed of rodlike or tubular workpieces in machine tools, more especially centreless grinders. 2,608,037, Aug. 26.

Lindinger, Joseph R., Miami, Fla. Shallow-water diving helmet. 2,618,262, Nov. 18.

Lindkvist, Knut V., Stockholm, Sweden. Tube vibrator. 2,597,505, May 20.

Lindlar, Herbert: *See*—
Kirchensteiner, Hans, Spiegelberg, and Lindlar.

Lindlar, Herbert, and R. Rüegg, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pentaenes. 2,610,207, Sept. 9.

Lindley, Frederick A., Flushing, N. Y., and F. M. Arbuckle, Allenhurst, N. J., assignors to Radio-Television Institute, Inc., New York, N. Y. Stabilized electrical synchronizing system. 2,591,660, Apr. 1.

Lindly, James F., Dahlen, N. Dak. Combination salt and pepper shaker. 2,606,691, Aug. 12.

Lindman, Emrik I., assignee: *See*—
Von Heidenstam, Erik J., and Lindman.

Lindman, Emrik I., Ronninge, Sweden. Bomb. 2,607,294, Aug. 19.

Lindmark, Andrew C.: *See*—
Johnson, Ernest H., and Lindmark.

Lindner, Arthur E., and A. J. Burtscher, assignors to Toledo Scale Company, Toledo, Ohio. Meat guide for meat tenderizing machines. 2,617,146, Nov. 11.

Lindner, Paul, and J. Hoffmann, Vienna, Austria. Machine for husking cereal grains. 2,616,466, Nov. 4.

Lindow, Rudolph F.: *See*—
Miller, Arthur E., Lindow, and Shafer.

Lindow, Rudolph F., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Carriage and bucket for inclinable booms. 2,593,322, Apr. 15.

Lindquist, Alfred H., Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc. Calandria casing with telescopic sections. 2,621,902, Dec. 16.

Lindquist, August T., assignor of one-fourth to R. Nelson, one-fourth to S. Elfstrom, and one-fourth to J. Leskiw, Lancaster, Minn. Swather. 2,609,650, Sept. 9.

Lindquist, Gustav L., Stockholm, Sweden. Roof construction. 2,610,920, Dec. 2.

Lindquist, John C., Minneapolis, Minn. Tool for applying footwear identification. 2,600,551, June 17.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Station wagon or the like. 2,583,781, Jan. 29.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Self-supporting automobile structure and wheel supporting beam secured by vertical bolts. 2,590,025, Mar. 18.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Open automobile body. 2,597,837, May 20.

Lindsay, Frank E., assignor to The Austin Motor Company Limited, Birmingham, England. Internal-combustion engine poppet valve cooling. 2,611,348, Sept. 23.

Lindsay, Harold W., Redwood City, assignor to Ampex Electric Corporation, San Carlos, Calif. Aligning mechanism for tape recorders. 2,622,813, Dec. 23.

Lindsay, Lynn G., St. Paul, Minn. Control for water softening apparatus. 2,610,147, Sept. 9.

Lindsay, Robert M., Oak Park, and C. Randazzo, Elmwood, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Coupling structure. 2,583,956, Jan. 29.

Lindsay, Robert W., assignee: *See*—
Granberg, Albert J.

Lindsay, Wallace, Amsterdam, N. Y. Hydraulically operated duplex box machine. 2,620,711, Dec. 9.

Lindsay, William W., Jr., assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Radar antenna structure. 2,596,966, May 13.

Lindsay Wire Weaving Company, The, assignee: *See*—
Davis, Howell F., Southam, and Crossman.

Lindsell, Andrew E., Jamaica, N. Y. Christmas tree stand. 2,605,067, July 29.

Lindsey, Frederick W., Baltimore, Md. Food package. 2,609,301, Sept. 2.

Lindsey, Roy B., Phoenix, Ariz. Ore-washing apparatus. 2,599,402, June 3.

Lindsey, Seth R., Anoka, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispensing. 2,596,158, May 13.

Lindskog, Oskar L.: *See*—
Kalling, Bo M. S., and Lindskog.

Lindstaedt, Frank F., San Anselmo, Calif. Resilient connector for combination flowerpot and watering pan. 2,605,588, Aug. 5.

Lindstaedt, Frank F., and D. I. Shatto, San Anselmo, Calif. Removing bromine from brine. 2,622,966, Dec. 23.

Lindstedt, Walter J., Mount Clemens, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,621,911, Dec. 16.

Lindstedt, Paul M., assignor to Wingfoot Corporation, Akron, Ohio. Dewatering thermoplastic resinous materials. 2,615,206, Oct. 28.

Lindstrom, Alvin L., Atlanta, Ga. Fixture with wall receiving portion. 2,587,181, Feb. 26.

Lindstrom, Andrew E., Larkspur, Calif., assignor, by mesne assignments, to United Metal Seal Company, Dorchester, Mass. Container filling and capping machine. 2,587,180, Feb. 26.

Lindström, Dag V. L., Alsten, Bromma, and G. I. Jedvall, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Connecting device of the liquid manometer type. 2,621,268, Dec. 9.

Lindstrom, Frithjof J.: *See*—
Guyton, Boone T., and Lindstrom.

Lindstrom, Gust E., assignee: *See*—
Cedarleaf, Gordon R.

Lindström, Hugo: *See*—
Beckius, Ivar, and Lindström.

Lindstrom, Oscar, assignee: *See*—
Lindstrom, Robert C.

Lindstrom, Robert C., Los Angeles, Calif., assignor of fifty per cent to O. Lindstrom, Great Falls, Mont. Cigarette extinguisher. 2,590,425, Mar. 25.

Lindstrom, Ture: *See*—
Grissinger, George G., Lindstrom, and Sandin.

Lindstrom, Ture, Edgewood, J. Sandin, Forest Hills, and H. L. Rawlins, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic trip device. 2,611,013, Sept. 16.

Line, John H., Riverdale, Ill. Spectacle lens layout device. 2,582,048, Jan. 8.

Line Material Company, assignee: *See*—
Schultz, William O.
Linear, Inc., assignee: *See*—
Summers, Otto M.
Linehan, Albert C., Canadalgua, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Three unit wallet. 2,606,589, Aug. 12.
Lines Bros. Limited, assignee: *See*—
Lines, Walter.
Lines, Walter, Merton, assignor to Lines Bros. Limited, London, England. Folding baby carriage. 2,607,605, Aug. 19.
Linforth, Paul S., assignee: *See*—
Wells, William S.
Linforth, Robert L., and S. D. Hage, Seattle, Wash., assignors to Boeing Airplane Company. Aircraft heating system. 2,592,049, Apr. 8.
Lingenbrink, Hermann E. F. C., Hilltown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph apparatus. 2,597,113, May 20.
Lingenfelter, Paul B., Clinton, Okla. Hypodermic syringe. 2,615,446, Oct. 28.
Lingle, Myron K., Springfield, Ill. Indexing system. 2,606,043, Aug. 5.
Lingner, Dora A., Cloverdale, Calif. Fastener. 2,607,097, Aug. 19.
Linhardt, John H., Inglewood, Calif., and L. H. Lehman, Chicago, Ill.; said Linhardt assignor of his interest to said Lehman, as trustee. Vibrating equipment. 2,617,533, Nov. 11.
Link Aviation, Inc., assignee: *See*—
Schaefer, Hans F., Jr.
Link-Belt Company, assignee: *See*—
Erisman, John L.
Harvengt, Edmond.
Lattig, Charles I.
Lauenstein, Carl F.
Lotz, Charles W.
Musschoot, Albert.
Musschoot, Albert, and Regensburger.
Link, Edwin A.: *See*—
Nelson, Rolland D., and Link.
Link, Harry W., Merion, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Electrohydraulic ship steering gear. 2,601,405, June 24.
Link, Herbert W., assignee: *See*—
Maurer, Willy K., Schoen, and Frey.
Weber, Milton N.
Link, Karl P.: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.
Link, Karl P., Middleton, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Prophylactic composition for scours. 2,607,716, Aug. 19.
Linke, Roland: *See*—
Berger, Heinrich, and Linke.
Linker Machines, Inc., assignee: *See*—
Demarest, Daniel D.
Linklark, Inc., assignee: *See*—
Larkin, Lincoln M.
Linkletter, Olive-Sue, Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile decorating emulsion. 2,600,890, June 17.
Linn, Carl B.: *See*—
Hanson, Olaf M., and Linn.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Separation of hydrocarbons. 2,582,443, Jan. 15.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Hydrohalogenation of unsaturated conjunct polymers. 2,591,841, Apr. 8.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of alpha-beta unsaturated carboxylic acids. 2,594,570, Apr. 29.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Cyclic carbinols. 2,597,842, May 27.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Cyclopentenyl carbinols. 2,597,843, May 27.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Cyclic olefins. 2,615,055, Oct. 21.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polyalkylene glycol esters of nitrated alkylbenzoic acids and their preparation. 2,616,921, Nov. 4.
Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Hydration of olefins. 2,616,933, Nov. 4.
Linn, Everts B.: *See*—
Stranak, Michael, and Linn.
Linn, William J., Pittsburgh, Pa. Filter and vapor lock controller. 2,585,797, Feb. 12.
Linn, William J., Pittsburgh, Pa. Liquid fuel atomizer. 2,589,946, Mar. 18.
Linn, William J., Pittsburgh, Pa. Liquid fuel atomizer. 2,614,037, Oct. 14.
Linnard, Irvin R., Montclair, N. J. Manufacture of novel clay articles. 2,591,565, Apr. 1.
Linneman, Richard, Atlanta, Ga. Case with spring-urged pivoted sliding closure. 2,584,721, Feb. 5.
Linnert, Arthur: *See*—
Freeman, Sydney M., and Linnert.
Linney, Robert J., Port Henry, N. Y. Metal tempering apparatus. 2,596,493, May 13.
Linotype and Machinery Limited, assignee: *See*—
Scott, Richard H., and Hayward.
Linskey, Philip J., Coral Gables, Fla. Bottom margin indicating mechanism for typewriters. 2,606,642, Aug. 12.
Linsley, John W., Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for measuring and counting time intervals. 2,599,766, June 10.
Linsmeier, Charles A., Two Rivers, Wis. Boat launching apparatus. 2,590,715, Mar. 25.
Linstedt, William F., Freeport, Ill., assignor to Kraft Foods Company. Apparatus for setting up boxes. 2,581,491, Jan. 8.
Linster, Arthur A., assignee: *See*—
Longley, Horace E.
Linstrom, Hjalmer C., Milford, Iowa. Oil gauge wiping device. 2,611,145, Sept. 23.
Lintern, A. R., Inc., assignee: *See*—
Lintern, Alfred R.
Lintern, Alfred R., Grosse Pointe Farms, assignor to A. R. Lintern Inc., Detroit, Mich. Radiator type heat exchanger. 2,612,349, Sept. 30.
Linthout, Theodoor H.: *See*—
Breuers, Theo P. C., and Linthout.
Lintner, Josef: *See*—
Lehmann, René L., and Lintner.
Linton, Alfred E., Philadelphia, Pa., and E. Tillinger, Brooklyn, N. Y. Clothespin. 2,615,221, Oct. 28.
Linton, Earl M., Tampa, Fla. Cuticle guard. 2,610,640, Sept. 16.
Linton, Roy J., Elkhart, Ind. Woodwind musical instrument. 2,596,260, May 13.
Lintz, Ervin E., Millington, Mich. Station and street announcer and advertising machine. 2,597,114, May 20.
Linville, Robert G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric 1,4-dicyano-2-butene. 2,592,301, Apr. 8.
Linville, Roy E., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping mechanism. 2,621,809, Dec. 16.
Linxweiler, Carl J., R. Y. Moss, and J. T. Welch, assignors to The Sheffield Corporation, Dayton, Ohio. Manufacturing process. 2,586,073, Feb. 19.
Lion Oil Company, assignee: *See*—
Barnes, Marion D., Embrey, and Koons.
Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.
Bonanno, Joseph L., and Beger.
Pettit, Frank.
Lipa, Crispin H., Quezon City, Rizal, Philippines. Holder for books. 2,595,682, May 6.
Liparl, Vincent, Detroit, Mich. Food tray rack. 2,590,630, Mar. 25.
Lipe-Rollway Corporation, assignee: *See*—
Baule, Gerhard H. J.
Harney, Bernard C.
Root, Robert S.
Serednicky, Paul, and Jarrett.
Spase, Charles B.
Lipe, Roy J., and D. C. Casper, Dietrich, Idaho. Vine moving device. 2,603,053, July 15.
Lipets, Ovsay, New York, N. Y. Accessory for curtain drapes. 2,587,492, Feb. 26.
Lipic, Sylvester G., Sappington, Mo. Pyrophoric lighter with display chamber. 2,611,202, Sept. 23.
Lipic, Sylvester G., Sappington, F. F. Boyle, St. Louis, and L. S. Lyon, Webster Groves, assignors, to Ritepoint Co., St. Louis, Mo. Closure for table cigarette lighters. 2,589,011, Mar. 11.
Lipiner, Edmund, Brooklyn, N. Y. Safety door lock. 2,622,429, Dec. 23.
Lipke, Paul H., Jr.: *See*—
Kropscott, Earle L., and Lipke.
Lipkin, Harry J., Dorchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse transponder. 2,606,282, Aug. 5.
Lipman, Carle E. L., Evanston, Ill. Room cooler. 2,604,763, July 29.
Lipp, Rudolf W., Graz, Austria. Circle dividing machine. 2,584,393, Feb. 5.
Lipp, William, New York, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Secret pull-out billfold wallet. 2,612,201, Sept. 30.
Lippard, Thomas R., Gaylord, and J. E. Bendure, assignors to Federal Motor Truck, Detroit, Mich. Motorcar fender with movable section. 2,582,839, Jan. 15.
Lippel, Bernard, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. System for producing an encoding device. 2,590,110, Mar. 25.
Lippert, Arnold L., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Producing linen-like effects on textiles. 2,622,994, Dec. 23.
Lippert, Arnold L., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Resin impregnating cellulosic fabrics. 2,622,995, Dec. 23.
Lippert, Erhard M., assignor to Victor Adding Machine Co., Chicago, Ill. Inking ribbon spool. 2,600,409, June 17.

Lippert, Hanns, Zurich, assignor to Verwaltunzsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. One-piece breech block for automatic firearms with pivoted locking members. 2,600,007, June 10.
Lippert, Hanns, and E. Hepperle, Zurich, assignors to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Pivoted breech closure and lock member. 2,590,981, Apr. 1.
Lippert, Strohm E., Los Angeles, Calif. Telescopic sprinkler. 2,607,623, Aug. 19.
Lippert, Strohm E., Los Angeles, Calif. Telescopic sprinkler. 2,607,624, Aug. 19.
Lippey, David, Glendale, Calif. Multiple spool fishing line package. 2,603,348, July 15.
Lippey, David, Glendale, Calif. Fishing line. 2,614,451, Oct. 21.
Lippincott, Samuel B., Westfield, N. J. Self-leveling tiltable vacuum gauge. 2,608,096, Aug. 26.
Lippincott, Samuel B., Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Lubricating oil additives. 2,582,708, Jan. 15.
Lippincott, Samuel B., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Compositions containing a major amount of a wax and a minor amount of a copolymer of ethylene-1,2-dicarboxylic acids and their derivatives. 2,599,339, June 3.
Lippincott, Samuel B., and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil additives. 2,615,845, Oct. 28.
Lippincott, Samuel B., Westfield, F. N. Baumgartner, Cranford, and H. L. Yowell, Westfield, N. J., assignors to Standard Oil Development Company. Synthetic oil-soluble alkyl diphenylalkane sulfonates. 2,620,353, Dec. 2.
Lippitt, Kendrick H., Earlville, assignor to Technical Appliance Corporation, Sherburne, N. Y. High-gain directionalized antenna. 2,598,005, May 27.
Lippitt, Stephen W., Lakewood, Ohio, assignor to Sani-Tread Company Incorporated, Buffalo, N. Y. Machine for the manufacture of fiber footwear. 2,588,132, Mar. 4.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Vacuum producing apparatus. 2,606,714, Aug. 12.
Lippy, Fleming L., Richmond, Va. Electric shock eliminator. 2,614,155, Oct. 14.
Lipscomb, Patrick C., Bellaire, Tex., assignor of one-half to The Featherlite Corporation. Kiln for heat-treating materials. 2,600,306, June 10.
Lipscomb, Robert, Welwyn, England, assignor to Imperial Chemical Industries Limited. Apparatus for the continuous treatment of filamentary material. 2,618,021, Nov. 18.
Lipsey, Goldner F.: *See*—
Reynolds, William W., and Lipsey.
Lipshitz, Abraham, Flushing, N. Y. Multiple pocket panel construction. 2,614,260, Oct. 21.
Lipski, Edward G., Bristol, Pa., assignor to General Electric Company. Tub construction for washing machines and the like. 2,602,563, July 8.
Liptay, John M., Scarsdale, assignor to Laboratory Furniture Company, Inc., Mineola, N. Y. Island strip support. 2,605,865, Aug. 5.
Lipton, Bernard, Leicester, England. Air conditioning and/or humidifying apparatus. 2,588,736, Mar. 11.
Lipton, Nat, Long Beach, Calif. Collapsible tube squeezer and brush holder. 2,612,290, Sept. 30.
Liquid Carbonic Corporation, assignee: *See*—
Van Vliet, Paul D.
Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James, Rosenberg, and Small.
Liquidometer Corporation, The, assignee: *See*—
Edelman, Abraham.
Geiser, Carl.
Sonthelmer, Carl G.
Lisbin, David M., Sunbury, and I. Bivans, Northumberland, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable antenna. 2,613,319, Oct. 7.
Lisbon, Joseph C., Haverhill, and H. S. Lyness, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Making slip lasted shoes. 2,584,276, Feb. 5.
Lischick, Kurt E.: *See*—
Gordon, Malcolm K., Jr., and Lischick.
Lisi, Cosimo, and U. Casaccia, Turin, Italy. Musical wind instrument. 2,608,899, Sept. 2.
Lisignoli, Eupelio, Cloverdale, Calif. Folding gaff hook. 2,600,510, June 17.
Liskin, Louis D., Ridgefield, N. J., assignor to Standard Corrugated Case Corp. Carton. 2,596,261, May 13.
Lisle Corporation, assignee: *See*—
Brooks, Thomas E.
Lisle, Robert L., Dallas, Tex. Sign mounting. 2,613,464, Oct. 14.
Lisle, William G., East Bedfont, assignor to The Fairey Aviation Company Limited, Hayes, England. Power-operated flying control system for aircraft. 2,590,716, Mar. 25
Lisle, William G., East Bedfont, assignor to The Fairey Aviation Company Limited, Hayes, England. Aircraft control system with fluid operated holding device. 2,623,502, Dec. 30.
Lisman, Carson E.: *See*—
Sonia, Joseph A., and Lisman.
Lisota, Edward, Patterson, Calif. Adjustable tilting bed for trucks. 2,621,814, Dec. 16.
Lissac, Georges, assignee: *See*—
Passet, Robert.
Lister, Fred: *See*—
Zellner, Carl N., and Lister.
Lister, George H., assignor to The Electronic Research and Manufacturing Corporation, Cleveland, Ohio. Electric control. 2,613,253, Oct. 7.
Lister, R. A., & Company Limited, assignee: *See*—
Morris, Alberto J.
Liston, Marcia B., assignee: *See*—
Bentley, Clarence H.
Bletcher, Ralph E., Bentley, and Bucknell.
Listrat, Jean J., Noyelles-Godault, assignor of one-half to Societe Anonyme dite: Societe Miniere et Metallurgique de Penarroya, Paris, France. Obtention of metallic antimony. 2,596,100, May 13.
Litchford, George B.: *See*—
Lyman, Joseph and Litchford.
Lithgow, James D., Hamilton, Ontario, Canada. Printing slug slicing and shaving machine. 2,596,338, May 13.
Lith-I-Bar Company, The, assignee: *See*—
Corwin, Howard D.
Lithographic Technical Foundation, assignee: *See*—
Hartsuch, Paul J., and Wachtl.
Litsch, Orville D.: *See*—
Fischer, Richard C., and Litsch.
Littell, F. J., Machine Company, assignee: *See*—
Littell, Frederick M., and Skriba.
Littell, Frederick M., and R. A. Skriba, assignors to F. J. Littell Machine Company, Chicago, Ill. Hydraulic centering reel. 2,598,398, May 27.
Littig, Arthur L., Altadena, Calif. Lawn trimmer. 2,615,246, Oct. 28.
Little, Andrew H., Welwyn Garden City, England, assignor to Imperial Chemical Industries Limited. Textile product. 2,615,231, Oct. 28.
Little, Arthur D., Inc., assignee: *See*—
Collins, Samuel C.
Dawbarn, Waring L.
Eaton, Samuel E., and Fabian.
Eaton, Samuel E., and Harford.
Follett, Robert P., and Murray.
Latham, Allen, Jr.
McMahon, Howard O.
Wood, Harry P.
Little, Charles E.: *See*—
Rankin, Donald H., and Little.
Little, Eulus L.: *See*—
Langley, Carl F., Little, and Tomblin.
Little, Gordon H., Baltimore, Md., assignor to Dispensers, Inc., Wilmington, Del. Beverage vending machine. 2,617,510, Nov. 11.
Little, Gordon H., Essex, assignor to M. J. Rymland, Baltimore, Md. Combined couch and daybed hinge. 2,621,339, Dec. 16.
Little, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translating device. 2,606,960, Aug. 12.
Little, John M., and C. G. Blank, assignors to Toledo Scale Company, Toledo, Ohio. Weighing scale indicia illuminator. 2,616,389, Nov. 4.
Little, Ralph V., Jr., Swarthmore, Pa., and L. L. Evans, Audubon, N. J., assignors to Radio Corporation of America. Cathode-ray tube power supply. 2,621,305, Dec. 9.
Littleford Bros., Inc., assignee: *See*—
Haupt, Herbert P.
Osmond, Charles W.
Littlejohn, Lyman L., Glendale, and J. C. Gullett, Arbuckle, Calif. Water injecting system for internal-combustion engines. 2,591,272, Apr. 1.
Littman, Daniel, assignor to Industrial Equipment & Supply Co., Reading, Pa. Tape splitting machine. 2,593,388, Apr. 15.
Littmann, Hans, Heidenheim on the Brenz, assignor to Zeiss-Opton Optische Werke Oberkochen G.m.b.H., Oberkochen, Wurttemberg, Germany. Slit lamp apparatus with front lens attachment. 2,622,473, Dec. 23.
Littman, Martin F., West Middletown, and J. E. Heck, Monroe, assignors to Armco Steel Corporation, Middletown, Ohio. Increasing the permeability or oriented silicon steels. 2,599,340, June 3.
Litton, Charles V., Redwood City, Calif. Adjustable magnetron. Re. 23,517, July 1.
Litty, Paul: *See*—
Laetsch, Jean P., and Litty.
Litzenberg, Charles, assignee: *See*—
Stuffer, Rowen S.
Litzler, Cyril A., Cleveland, Ohio. Reel. 2,585,948, Feb. 19.
Litzler, Cyril A., Cleveland, Ohio. Reel. 2,605,536, Aug. 5.
Livengood, Jacob R., Jr.: *See*—
Shoaf, Floyd R., and Livengood.
Livermon, Carl R., Roxobel, N. C. Flying target. 2,620,189, Dec. 2.

Livermore, H. F., Corporation, assignee: *See*—
Dodge, Sherwood O.

Livermore, William T., Grosse Pointe, Mich. Automatic fluid pressure transmission. 2,604,197, July 22.

Livermore, William T., Grosse Pointe Farms, Mich. Slipper pump. 2,599,927, June 10.

Livers, Carlos B., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic motor cylinder with stroke limiting valve. 2,587,182, Feb. 26.

Livers, Carlos B., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Adjustable stroke hydraulic motor. 2,614,536, Oct. 21.

Livers, Carlos B., North Hollywood, and A. A. Meddock, Van Nuys, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Valve for sequential operation of hydraulic motors. 2,593,039, Apr. 15.

Livers, Carlos B., North Hollywood, and A. A. Meddock, Van Nuys, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic control valve with automatic hold and release. 2,594,664, Apr. 29.

Liversidge, Joseph H., Sheffield, England, assignor to General Electric Company. Positional correspondence control system. 2,615,150, Oct. 21.

Livesay, Everett G., Coral Gables, assignor to Livesay Industries, Inc., Miami Beach, Fla. Pipe-cutting machine. 2,623,742, Dec. 30.

Livesay Industries, Inc., assignee: *See*—
Livesay, Everett G.

Livestock Sprayer Mfg. Co., assignee: *See*—
Abildgaard, William H.
Herbert, Charles C.

Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking and producing same. 2,591,566, Apr. 1.

Livingston, Herman H., Bronx, N. Y. Intramedullary bar. 2,614,559, Oct. 21.

Livingston, Mervin A., El Monte, Calif. Marble game apparatus. 2,610,853, Sept. 16.

Livingston, Milton S., Belmont, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic peeler for proton synchrotron. 2,599,188, June 3.

Livingston, Stanley D., Freeport, assignor to R. Hoe & Co., Inc., New York, N. Y. Flywheel system. 2,600,552, June 17.

Livingston, Waltrus L., assignor to General Railway Signal Company, Rochester, N. Y. Switch and signal control system for railroads. 2,615,124, Oct. 21.

Livingstone, James, assignor to P. E. Livingstone, San Francisco, Calif. Rock drill tip. 2,604,305, July 22.

Livingstone, Jay G., Akron, Ohio. Nondrip pouring outlet. 2,587,344, Feb. 26.

Livingstone, Jay G., Akron, Ohio. Pouring spout. 2,601,039, June 17.

Livingstone, Jay G., Akron, Ohio. Fitting and sealing means therefor. 2,601,040, June 17.

Livingstone, Pearl E., assignee: *See*—
Livingstone, James.

Livoni, Ralph C.: *See*—
Stuart, Robert B., and Livoni.

Ljungberg, Ture A., Stuvsta, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement for adapting the speed of takeup to the speed of feed in producing thread or tape material with originally low mechanical strength. 2,582,639, Jan. 15.

Ljunggren, Thor H.: *See*—
Bryant, William J., Gates, and Ljunggren.
Bryant, William J., Ljunggren, and Moore.

Ljunggren, Thor H., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Carriage mounting. 2,622,939, Dec. 23.

Ljungström, Birger, Stockholm, Sweden. Turbine driven compressor. 2,611,532, Sept. 23.

Llewellyn, Frederick B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,591,842, Apr. 8.

Llewellyn, Rossiter S., Glen Ellyn, assignor to Armstrong-Bray & Co., Chicago, Ill. Belt connector. 2,605,523, Aug. 5.

Llewellyn, W. J., Limited, assignee: *See*—
Heath, Harold F.

Llewellyn, Walter E., Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Tetrafluoroethylene polymer compositions. 2,586,357, Feb. 19.

Llewellyn, Willis E., Compton, Calif. Automatic tree trimmer. 2,612,724, Oct. 7.

Llewhellin, Thomas G., Hillington, Glasgow, assignor to K. A. C. Limited, Glasgow, Scotland. Toggle fastener. 2,613,974, Oct. 14.

Llovet, Aurelio E.: *See*—
Navarro, Miguel, and E. J. and A. E. Llovet.

Llovet, Enrique J.: *See*—
Navarro, Miguel, and E. J. and A. E. Llovet.

Lloyd, Allen H., Milford, Ohio, assignor to Gaston County Dyeing Machine Company, Stanley, N. C. Apparatus for upsetting the ends of packages of yarn. 2,618,015, Nov. 18.

Lloyd, Arthur H., assignor to Alfred Herbert Limited, Coventry, England. Roller bearing. 2,589,560, Mar. 18.

Lloyd, Arthur H., and C. H. Jinman, Coventry, assignors to Alfred Herbert Limited, Foleshill, Coventry, England. Electrically operated chuck or machine tool. 2,583,299, Jan. 22.

Lloyd, Claire D., West Palm Beach, assignor to Harkiso Corporation, Palm Beach, Fla. Sliding door lock. 2,615,742, Oct. 28.

Lloyd, Eldon E., Maryville, Mo. Automobile tire chain. 2,582,493, Jan. 15.

Lloyd, Peter: *See*—
Powter, Geoffrey J., and Lloyd.

Lloyd, Rex R., Boulder City, Nev., and W. T. Rawles, Pittsfield, Mass., assignors to the United States of America as represented by the Secretary of the Interior. Dissolution of chromium from chromite ores. 2,601,306, June 24.

Lloyd, Stanley M., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,603,686, July 15.

Lloyd, Thomas F., Jr., Hartford, Conn. Fishing fly. 2,611,985, Sept. 30.

Lloyd, Tom C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Wet armature motor and pump combination with shaft bearings. 2,603,161, July 15.

Lloyd, Tom C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Wet armature motor and pump combination. 2,603,162, July 15.

Lloyd, Walter, Northampshire, England. Vehicle suspension means. 2,593,040, Apr. 15.

Lloyd, William R., Austin, Tex., and R. M. Sotres, Mexico City, Mexico, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Making a tortilla flour. 2,584,893, Feb. 5.

Lo, Chien-Pen, Philadelphia, Pa., E. Y. Shropshire, Moorestown, N. J., and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. 3-trichloromethylsulfenyl - 5 - aralkylidene - 2,4-thiazolidinediones. 2,613,207, Oct. 7.

Loader, Alfred, Millbury, and M. S. Koylowski, Worcester, Mass. Apparatus for grinding crankshafts. 2,612,013, Sept. 30.

Loaney, William T., Minneapolis, Minn. Boat mooring apparatus. 2,581,676, Jan. 8.

Loasby, Charles F., Ridgewood, N. J. Dog bed. 2,590,631, Mar. 25.

Lobanoff, Val S., Berkeley, Calif., assignor to United Iron Works. Centrifugal pump. 2,601,828, July 1.

Lobb, John B., Southgate, London, England. Toy mechanical scoop. 2,604,726, July 29.

Lobban, Fred P., Glen Ridge, N. J., assignor to The Texas Company, New York, N. Y. Removing phenols and mercaptans from light petroleum distillates. 2,605,212, July 29.

Lobbé, Georges, Brussels, Belgium. Electric arc lamp. 2,603,759, July 15.

Lobenthal, Michael S., executor: *See*—
Harris, Frederic R.

Lober, Clarence B., U. S. Army, Dayton, Ohio. Self-adjusting wrench. 2,599,114, June 3.

Lober, Konrad, Woodhaven, N. Y. Cork cutting machine. 2,615,480, Oct. 28.

Lobo, Walter E.: *See*—
Goff, Howard B., and Lobo.

Lobo, Walter E., Westfield, N. J., and G. T. Skaperdas, New York, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of alcohols. 2,597,009, May 20.

Lobosco, Roscoe R., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Line tracker control electronic drive. 2,611,887, Sept. 23.

Lobosco, Roscoe R., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Automatic gas ratio sampling device. 2,622,967, Dec. 23.

Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière with adjustable breast supporting members. 2,609,540, Sept. 9.

Lockair Pty. Limited, assignee: *See*—
Pegler, Joseph L.

Locke, Burton H., Framingham, Mass. Bobby pin tray. 2,581,592, Jan. 8.

Locke, Burton H., Framingham, Mass. Book match dispenser. 2,597,940, May 27.

Locke, Burton H., Framingham, Mass. Antiskid chain and positioning means. 2,609,027, Sept. 2.

Locke, George, Lombard, Ill. Dispenser for collapsible tube containers. 2,605,932, Aug. 5.

Locke, Jack, Greenville, S. C., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Liner for textile bobbins. 2,623,708, Dec. 30.

Locke, Louis P., Victor, N. Y. Making electrical terminals. 2,610,390, Sept. 16.

Locke, Roy C., Salem, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Nonstain hectograph colors. 2,621,184, Dec. 9.

Locke Steel Chain Company, The, assignee: *See*—
Stegeman, Henry J.

Lockett, Catherine, assignee: *See*—
Watts, William C.

Lockett, Ralph G., Narberth, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Two wire load measuring system. 2,600,059, June 10.

Lockhart, Carl B., Youngstown, Ohio. Combination neutral pressure point adjuster and draft diverter. 2,611,361, Sept. 23.

Lockhart, Charles F., Cleveland, Ohio. Automatic train pipe connector. 2,596,778, May 13.

Lockhart, Eugene M.: *See*—
Armstrong, Marshall C., and Lockhart.

Lockhart, Hughbert M., Highland Park, Mich. Screen roller. 2,595,364, May 6.

Lockhart, Hughbert M., Highland Park, Mich. Roller screen. 2,605,823, Aug. 5.

Lockhart, Margaret L., assignee: *See*—
Lockhart, Marshall L.

Lockhart, Marshall L., assignor of one-half to M. L. Lockhart, Detroit, Mich. Hypodermic syringe. 2,583,743, Jan. 29.

Lockhart, Marshall L., Rutherford, N. J. Syringe assembly. 2,586,068, Feb. 19.

Lockhart, Marshall L., Rutherford, N. J. Syringe assembly. 2,586,069, Feb. 19.

Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Plural-compartment admixing hypodermic syringe ampoule for segregated storage of ingredients of liquid medicinal solutions and therapeutic preparations. 2,591,706, Apr. 8.

Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Plural-compartment admixing vial for segregated storage of ingredients of solutions and liquid mixtures. 2,610,628, Sept. 16.

Lockhart, Robert K., Collingswood, N. J., assignor to Radio Corporation of America. Sawtooth wave generator. 2,611,872, Sept. 23.

Lockhart, William K., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Removable mountings and interlocking means for electrical devices. 2,610,998, Sept. 16.

Lockheed Aircraft Corporation, assignee: *See*—
Beman, Ward W.
Beman, Ward W., and Weaver.
Harness, Wayne E., and Hruby.
Holt, Albert T.
Howland, Walter L.
Jennings, Douglas H.
Johnson, Francis B., and Starleaf.
Kreimendahl, Rodney.
Kuka, George J.
Luther, Philip A.
McLane, Philip W.
Messinger, Bernard L.
Messinger, Bernard L., and Cousins.
Peterson, Lynn A., and Huber.
Pinaire, John S.
Pittman, Kenneth F.
Price, Nathan C.
Richolt, Robert R.
Sammons, Herbert F.
Shumaker, Maynard D.
Simon, Eli, and Thomas.
Stewart, Charles D.

Lockheed, Allan H., Arcadia, and H. T. Seale, Alhambra, Calif.; said Seale assignor to said Lockheed. Valve apparatus for fuel distribution systems. 2,590,333, Mar. 25.

Lockheed, Allan H., Los Angeles, Calif. Controllable pitch propeller. 2,609,056, Sept. 2.

Lock Joint Pipe Company, assignee: *See*—
Hirsh, Allan M., Jr.
Kennison, Hugh F.

Locks, Martha M., and C. D. Gregory, Chicago, Ill. Odor expelling doll. 2,618,892, Nov. 25.

Lockwood, Charles C., assignee: *See*—
Smith, Cecil W.

Lockwood, Jack C., Los Angeles, Calif. Mechanical cushioning device. 2,594,665, Apr. 29.

Lockwood, Joseph F., and J. S. Ball, assignors to Henry Simon Limited, Cheadle Heat, England. Plansifter. 2,592,917, Apr. 15.

Lockwood, Lloyd D., Millburn Township, Essex County, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Metallic getter compositions. 2,607,742, Aug. 19.

Lockwood Manufacturing Company, The, assignee: *See*—
Darnell, Jesse L.
Darnell, Jesse L., and Cormack.

Lockwood, Samuel P., Portland, Oreg. Double-run window. 2,600,786, June 17.

Lockwood, Thorval J., Gering, Nebr. Potato waxing machine. 2,595,151, Apr. 29.

Lockwood, Thorval J., Gering, Nebr. Potato brusher. 2,604,646, July 29.

Locomotive Finished Material Company, The, assignee: *See*—
Stahl, Leslie W.

Loder, Donald J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Solvent extraction of oils with dimethylammonium dimethylcarbamate. 2,594,044, Apr. 22.

Lodes, Frederick G., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Spray dispenser. 2,621,973, Dec. 16.

Lodge, Alvin, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Machine suspension. 2,583,579, Jan. 29.

Lodge, Landon C., St. Louis, Mo., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pyrometer with stable rectified voltage. 2,620,664, Dec. 9.

Lodi Flower Shop, The, assignee: *See*—
Reynolds, Theron E.

Lodwick Aircraft Industries, Inc., assignee: *See*—
Jenkins, Merl C.

Lodwick, Gwylim S., Mystic, Iowa. Hacksaw machine. 2,600,787, June 17.

Loe, Gerald M., Maywood, Ill., assignor to Zenith Radio Corporation. Variable ductance coil. 2,624,042, Dec. 30.

Loeb, Jacob H., Milwaukee, Wis. Cribbage board. 2,582,874, Jan. 15.

Loeb, Lawrence A., New Haven, Conn. Dishwashing machine. 2,591,080, Apr. 1.

Loebel, Frederick A., Milwaukee, Wis., assignor to Cleaver-Brooks Company. Regenerative evaporator. 2,584,357, Feb. 5.

Loecy, Joseph, Jr., Euclid, Ohio. Diamond tool assembly. 2,581,544, Jan. 8.

Loedding, Alfred C., Dayton, Ohio. Low aspect ratio aircraft. 2,619,302, Nov. 25.

Loeffelholz Company, assignee: *See*—
Jarrett, John W., Tangeman, and Schmidt.

Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Atomizer. 2,594,045, Apr. 22.

Loevenich, Joseph, New York, N. Y. Spring coin holder. 2,593,580, Apr. 22.

Loevenstein, Hirsch, New York, N. Y., assignor to The Nitralloy Corporation. Preparing iron oxide from ferrous chloride. 2,592,580, Apr. 15.

Loewe, Paul, Mexico City, Mexico. Flexible electric heater. 2,609,479, Sept. 2.

Loewe, Peter L.: *See*—
Boyce, Eugene L., and Loewe.

Loewe, Peter L., Chicago, Ill. Balancing wheels. 2,585,802, Feb. 12.

Loewenstein, Delia D., Kearney, Nebr. Hair curler. 2,589,832, Mar. 18.

Loewy Engineering Company Limited, The, assignee: *See*—
Henschker, Erhard, and Salter.
Henschker, Erhard R.

Loewy, Erwin, assignee: *See*—
Wood, Frank J.

Löfgren, Carl A.: *See*—
Axelson, Eskil A. A., and Löfgren.

Lofgren, Carl S., Moline, Ill. Combination floor brush and polisher. 2,601,537, June 24.

Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Suction cleaner. 2,580,644, Jan. 1.

Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Self-sealing receptacle for separating dust from an air stream. 2,596,808, May 13.

Lofgren, Gustaf E., Wesskum Wood, Riverside, and A. Peterson, Stamford, assignors to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,591,567, Apr. 1.

Lofstedt, Jack W., assignor to Metromatic Products Company, Los Angeles, Calif. Ice-cream freezer with refrigerant control. 2,610,478, Sept. 16.

Loft, Arne, Schenectady, N. Y., assignor to General Electric Company. Hydraulic pilot valve with reaction compensating means. 2,621,676, Dec. 16.

Loftus Engineering Corporation, assignee: *See*—
Francis, Charles B.

Loftus, Tobias J., assignor of one-half to C. H. Cummings, Sioux Falls, S. Dak. Sand pipe dispensing nozzle. 2,606,781, Aug. 12.

Loftus, Tobias J., and C. H. Cummings, Sioux Falls, S. Dak. Sand pipe dispensing nozzle. 2,606,780, Aug. 12.

Loftus-Tottenham, Henry T. L., and W. J. Coster, assignors to Chase Protected Cultivation Limited, Chertsey, England. Cloche. 2,603,036, July 15.

Logan, Chas. E., assignee: *See*—
Mourfield, Carl L.

Logan Co., Inc., assignee: *See*—
Gotthardt, Henry R.

Logan, Floyd J., Alabama City, and O. A. Trawick, Gadsden, Ala. Insect repellent device. 2,606,065, Aug. 5.

Logan, Frank G., Yonkers, N. Y., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich. Electric controlling apparatus. 2,585,332, Feb. 12.

Logan, George H., assignor, by mesne assignments, to G. W. Houlsby, Jr., Chicago, Ill. Door check mechanism. 2,598,926, June 3.

Logan, George R., Belleville, Ontario, assignor to Northern Electric Company, Limited, Montreal, Quebec, Canada. Phase measuring device. 2,580,803, Jan. 1.

Logan, George T., New Hope, Pa. Nonslip ratcheting wrench having double-hexagon-spaced jaw-face grooves. 2,618,996, Nov. 25.

Logan, Hector A.: *See*—
Kerr, Hugh M., Richardson, and Logan.

Logan, Henry L., Bronxville, assignor to Holophane Company, Inc., New York, N. Y. Direct lighting luminaire. 2,590,192, Mar. 25.

Logan, Henry L., New Rochelle, assignor to Holophane Company, Inc., New York, N. Y. Surgical lighting. 2,590,191, Mar. 25.

Logan, John W., Jr.: *See*—
Bone, Herbert L., Logan, and Gracey.

Logan, John W., Jr., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway traffic controlling apparatus. 2,585,144, Feb. 12.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Controlling mechanism for flue cleaning means for heating apparatus. 2,601,041, June 17.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Apparatus for removing oil from the ignition electrodes of oil burners. 2,619,287, Nov. 25.

Logan, Robert P., Portland, Oreg., assignor to The Dorr Company, Stamford, Conn. Anaerobic digester. 2,605,220, July 29.

Logan, Sandy, Chicago, Ill. Cribbage board. 2,594,943, Apr. 29.

Logansport Machine Co., Inc., assignee: *See*—
Smith, William A.

Loge, Joseph M., Los Angeles, Calif. Toggle switch. 2,623,958, Dec. 30.

Logue, Paul: *See*—
Thomas, Charles A., Logue, and Seelig.

Logue, Raymond L., Detroit, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Hood ornament construction. 2,611,687, Sept. 23.

Lohfert, Helmut, Hamburg-Blankensee, H. Günsicke, deceased, Hamburg-Fuhlsbuttel, and H. Bade, Hamburg, Germany; H. K. E., K. H. H., and W. A. P. Günsicke, sole heirs of said Hermann Günsicke. Drawing mechanism for spinning machines. 2,623,346, Dec. 30.

Lohman, William J., Jr., Morristown, assignor to Chelsea Products, Inc., Irvington, N. J. Automatic ventilating shutter. 2,594,944, Apr. 29.

Lohman, William J., Jr., Morristown, assignor to Chelsea Products, Inc., Irvington, N. J. Ventilating fan and mounting therefor. 2,612,831, Oct. 7.

Lohmann-Werke A. G., assignee: *See*—
Teegen, Hermann.

Lohr, Albert M., East Lampeter Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Drill grinder. 2,601,748, July 1.

Lohr, Arthur D.: *See*—
Buntin, George A., and Lohr.

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Alloys. 2,581,420, Jan. 8.

Lohr, Raymond J.: *See*—
Carver, Richard N., and Lohr.

Lohr, Raymond J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Automatically turning wheeled toy. 2,587,052, Feb. 26.

Lohr, Raymond J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Spring driven tandem vehicle toy. 2,607,163, Aug. 19.

Lohrman, William V.: *See*—
Silver, Walter H., and Lohrman.

Lohse, Elmer H., East Moline, Ill. Brake operated by steering means. 2,591,171, Apr. 1.

Lohutko, Floryan, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for grinding helical gears. 2,595,591, May 6.

Lohutko, Floryan, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for dressing grinding wheels. 2,602,436, July 8.

Loibl, Fred, Sr., Honolulu, Territory of Hawaii. Foldable table and seat unit. 2,613,728, Oct. 14.

Loipersbeck, Julius, assignee: *See*—
Polymeros, George N.

Loiselle, Frank, New York, N. Y. Swimming aid device. 2,620,495, Dec. 9.

Loken, Jenard C., Inglewood, Calif. Tripod leg connection. 2,613,902, Oct. 14.

Lolkema, Jan, Hoogezand, assignor to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Ice cream composition. 2,590,077, Mar. 25.

Lolkema, Jan, Hoogezand, and W. A. van der Meer, Haren, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Preparing cold-swelling starch products. 2,583,268, Jan. 22.

Lolkema, Jan, Hoogezand, and H. A. van Westen, Amsterdam, assignors to Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Hydrogenation of polysaccharides. 2,609,398, Sept. 2.

Lolkema, Jan, and P. J. A. Beersma, Hoogezand, assignors to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Producing insoluble coating from salts of carboxylic acids. 2,622,997, Dec. 23.

Lolmaugh, Francis B., Plymouth, Ind. Animal simulating velocipede. 2,614,855, Oct. 21.

Loman, William W.: *See*—
Small, Ian H., and Loman.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line connector circuit for code ringing. 2,583,782, Jan. 29.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system provided with party lines. 2,592,813, Apr. 15.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Connector circuit employing a sequence switch. 2,602,121, July 1.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Discriminating service telephone system. 2,615,092, Oct. 21.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic party line metering. 2,623,125, Dec. 23.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line metering system. 2,623,937, Dec. 30.

Lomax, Clarence E., Chicago, Ill., and J. M. Wild, Ithaca, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Pay station circuits for automatic telephone systems. 2,583,783, Jan. 29.

Lomazzo, Edmund J., assignor to Sparks Machine Tool Corporation, Norwalk, Conn. Chip conveying means. 2,612,986, Oct. 7.

Lomazzo, Edmund J., assignor to Sparks Machine Tool Corporation, Norwalk, Conn. Tailstock. 2,614,447, Oct. 21.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Support for internal combustion engines. 2,587,345, Feb. 26.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Combustion chamber for gas turbines and having flame tube mounting means allowing radial and axial expansion. 2,615,300, Oct. 28.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Control means for variable jet nozzles of jet-propulsion units. 2,619,794, Dec. 2.

Lombard, Adrian A., and F. W. W. Morley, Clitheroe, assignors to Rolls-Royce Limited, Derby, England. Mounting for the guide vanes of axial-flow compressors and turbines. 2,605,997, Aug. 5.

Lombard, Adrian A., Allestree, K. J. C. Vincent, Alvaston, and F. W. W. Morley, Aston-on-Trent, assignors to Rolls-Royce Limited, Derby, England. Multistage axial compressor and turbine. 2,618,463, Nov. 18.

Lombard, Bernard, Lakewood, Ohio. Device for containing and illuminating transparencies. 2,623,314, Dec. 30.

Lombard Corporation, assignee: *See*—
Lombard, Daniel L.

Lombard, Daniel L., Hubbard, assignor to Lombard Corporation, Youngstown, Ohio. Hydraulic press fluid supply with pressure intensifier. 2,587,571, Feb. 26.

Lombard, Nathaniel A., Glendale, and T. L. Taggart, Beverly Hills, said Lombard assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Method and apparatus for making structural elements. 2,581,421, Jan. 8.

Lombard, Paul J., Jr., Winnebago, Nebr. Drill through tailstock spindle for wood-turning lathes. 2,619,993, Dec. 2.

Lombardi, Frank S., North Hollywood, Calif. Method of and apparatus for manufacturing coiled edible pastes. 2,621,615, Dec. 16.

Lombardi, Joseph, Glen Burnie, Md. Antiskid device. 2,607,390, Aug. 19.

Lombardy, Frank: *See*—
Halstead, Ralph T., de Gaugue, and Lombardy.

Lommel, Hulmut, Beuerberg, near Wolfratshausen, Upper Bavaria, Germany. Tractor. 2,607,432, Aug. 19.

Lommen, Robert M., Lombard, Ill., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Time-delay relay system. 2,597,347, May 20.

Lommen, William A., Windom, Minn. Icebreaker for highway maintenance. 2,606,011, Aug. 5.

Lo Monte, Charles J., Los Angeles, Calif. Tweezer. 2,595,683, May 6.

Loncich, Joseph C., Medford, assignor to The Wilson Manufacturing Company, Inc., Boston, Mass. Billfold insert. 2,592,918, Apr. 15.

Londex Limited, assignee: *See*—
Besson, Alec P.

London, Albert: *See*—
Edelman, Seymour, and London.

London, Emmanuel M., assignor to A. L. Siegel Co., Inc., New York, N. Y. Mothproofing resistant plastic garment bag. 2,584,722, Feb. 5.

London, Milton H., Detroit, Mich. Safety interlocked ticket receiving and checking machine. 2,611,535, Sept. 23.

Lonergan, J. E., Company, assignee: *See*—
Bergquist, Theodore W.

Lonergan Manufacturing Company, assignee: *See*—
Greer, Carl S., Jr.

Lone Star Cement Corporation, assignee: *See*—
Posselt, Ejnar.

Lone Star Vendor Corp., assignee: *See*—
James, Frazier N.

Loney, Hugh W., assignor to C. G. Conn, Ltd., Elkhart, Ind. Woodwind musical instrument. 2,602,364, July 8.

Long, Alfred B., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Well logging apparatus. 2,590,982, Apr. 1.

Long, Ballard E., Jr., Knoxville, Tenn. Sheave. 2,610,514, Sept. 16.

Long, Eli M., Alamogordo, N. Mex., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Booster for lens edge grinding machines. 2,618,106, Nov. 18.

Long, Frank W., Los Angeles, J. F. Lee, Lynwood, A. F. Levi, Hermosa Beach, Calif., and C. C. Keane, Kansas City, Kans., said Lee, Levi and Keane, assignors to said Long doing business as the Vapor Recovery Systems Company, Compton, Calif. Sample taking apparatus. 2,598,183, May 27.

Long, Fred, Saltillo, Miss. Fertilizer distributor. 2,604,234, July 22.

Long, Fred R., Catawissa, Pa. Pendulum-type ball check valve. 2,603,450, July 15.

Long, George B.: *See*—
Louthan, Chester F., and Long.

Long, Glenn A.: *See*—
McFarland, Jesse R., and Long.

Long, Henry F., and J. S. Erickson, assignors to Sugar Creek Creamery Company, Danville, Ill. Cheese-milk food product and producing the same. 2,617,730, Nov. 11.

Long, Herbert J., assignor, by mesne assignments, to G. E. S. Devices Corp., New York, N. Y. Safety control apparatus for gaseous fuel burners. 2,600,252, June 10.

Long, James W., Chevy Chase, Md. Hypodermic needle package. 2,619,228, Nov. 25.

Long, Joe G., Houston, Tex. Rubber seal joint. 2,599,767, June 10.

Long, John B., Annville, Pa. Mouse or rat trap. 2,592,302, Apr. 8.

Long, John B., Fayetteville, W. Va. Guard for power-driven conveyers. 2,614,686, Oct. 21.

Long, John C., Charleston, S. C. Booklet. 2,583,699, Jan. 29.

Long, John C., Charleston, S. C. Lamp shade adjustably mounted directly on an elongated tube. 2,595,275, May 6.

Long, John E., assignor to Portable Air Cooler and Heating, Inc., Chico, Calif. Air conditioner. 2,606,009, Aug. 5.

Long, Loren M., Grosse Pointe Woods, and H. D. Troutman, Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. 4-thiazolidone derivatives and preparing the same. 2,623,048, Dec. 23.

Long, Louis W., Lorain, Ohio, assignor to United States Steel Company. Device for controlling movement of pipe or the like along a roller conveyer. 2,597,941, May 27.

Long, Merton W., Jr.: *See*—
Huscher, Myron E., Long, and Moore.

Long, Richard H.: *See*—
Thomas, Thomas H., Price, and Long.

Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical control mechanism. 2,598,184, May 27.

Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Tranmission operating mechanism. 2,616,304, Nov. 4.

Long, Richard H., and E. E. Prather, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,593,581, Apr. 22.

Long, Robert L., assignor to E. C. Paige, Dallas, Tex. Scrolling and twisting machine. 2,603,269, July 15.

Long, Robert S.: *See*—
Clauser, Herbert C., and Long.

Long, Robert S., and S. M. Tsang, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Tertiary amine salts of 3,7-diaminodibenzothiophenedioxide 2,8-disulfonic acid. 2,590,632, Mar. 25.

Long, Robert W.: *See*—
Doumani, Thomas F., and Long.

Long, Spencer W., Inglewood, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Clutch assembly for drawworks. 2,594,666, Apr. 29.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Electronic tuning device. 2,584,277, Feb. 5.

Long, Thomas L., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Wire line core barrel. 2,613,918, Oct. 14.

Long, Virgil P., Canyonville, and V. M. Wolfe, Corvallis, Oreg. Circular frozen food locker. 2,617,267, Nov. 11.

Long, Weldon H., Muskegon, Mich. Aquatic amusement device. 2,581,545, Jan. 8.

Longacre, Andrew, Exeter, N. H., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Compound protective device for radio detection system. 2,582,205, Jan. 8.

Longacre, Andrew, Exeter, N. H., and E. C. Pollard, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Range height indicator. 2,597,348, May 20.

Longenberger, Stephen G., Fort Wayne, Ind. Fish sack hoop and support therefor. 2,605,068, July 29.

Longenecker, Charles I.: *See*—
Lendved, John W., and Longenecker.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Valve for plastic concrete pressure. 2,589,012, Mar. 11.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Inclined axis rotatable drum concrete mixing apparatus. 2,611,591, Sept. 23.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Drum for inclined axis concrete mixers. 2,614,819, Oct. 21.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Rotary concrete pump. 2,619,913, Dec. 2.

Longenecker, Ernst A., Wauwatosa, assignor to Le Roi Company, Milwaukee, Wis. Detachable lifting jack for fluid actuated tools. 2,622,562, Dec. 23.

Longenecker, Joseph B., Granite City, Ill., assignor to Union Starch & Refining Company, Columbus, Ind. Caramel color manufacture. 2,582,261, Jan. 15.

Longenecker, Levi S., Mount Lebanon, Pa. Furnace tilt lift door and seal. 2,594,188, Apr. 22.

Longenecker, Levi S., Mount Lebanon, Pa. Furnace roof and wall structure. 2,606,017, Aug. 5.

Longenecker, Levi S., Mount Lebanon, Pa. Furnace roof structure. 2,612,124, Sept. 30.

Longenecker, Ruth H., Los Angeles, Calif. Double lens removable unit for eye glasses. 2,586,546, Feb. 19.

Longini, Richard L.: *See*—
Coltman, John W., and Longini.
Hushley, Walter J., and Longini.

Longley, Horace E., assignor of one-third to A. A. Linster, Elmira, N. Y. Sanding and abrading pad. 2,612,011, Sept. 30.

Longley, Raymond I., Jr.: *See*—
Emerson, William S., and Longley.

Longmire, Conrad L., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse width discriminator circuit. 2,585,803, Feb. 12.

Longmire, Conrad L., Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Radio navigational device. 2,597,349, May 20.

Longmire, Conrad L., Boston, and I. H. Sudman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse discriminator circuit. 2,589,833, Mar. 18.

Longmuir, James, Melbourne, Victoria, Australia. Dry cleaning apparatus. 2,598,571, May 27.

Longo, Anthony, assignee: *See*—
Scalera, Corrado.

Longo, John, and S. I. Tourshou, Philadelphia, Pa., and R. J. Lewis, Audubon, N. J., assignors to Radio Corporation of America. Amplifying system. 2,584,213, Feb. 5.

Longtin, Donald G., assignor to Guilford Hosiery Mills, Incorporated, High Point, N. C. Wrap stripe stop motion. 2,590,193, Mar. 25.

Longtin, William J., assignor to H. Brinton Co., Frankford, Philadelphia, Pa. Yarn changer with clamping and cutting means. 2,618,951, Nov. 25.

Longworth, John, Haddon Heights, N. J. Depth-of-groove gauge. 2,580,445, Jan. 1.

Lönne, Friedrich, Dusseldorf, Germany. Prophylactics. 2,586,674, Feb. 19.

Lonngren, Bruno L.: *See*—
Davidson, Trevor O., and Lonngren.

Lonskey, William H., Jr., administrator: *See*—
Lonskey, William H., Sr.

Lonskey, William H., Sr., deceased, Detroit, Mich; W. H. Lonskey, Jr., administrator. Drain pan attachment for cooking vessels. 2,614,482, Oct. 21.

Lontz, Dudley M., Cincinnati, Ohio. Traversing mechanism for mortars. 2,599,565, June 10.

Lontz, John F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coagulating aqueous dispersions of polytetrafluoroethylene. 2,593,583, Apr. 22.

Lontz, John F., Nutley, and L. E. Robb, Rutherford, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing tetrafluoroethylene polymer compositions. 2,593,582, Apr. 22.

Loock, Oscar H., Houston, Tex. Mold trimmer. 2,614,326, Oct. 21.

Loofbourrow, Alan G., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Mounting for driving units on motorboats. 2,595,863, May 6.

Loomer, Morris W., Bellwood, assignor to Sunbeam Corporation, Chicago, Ill. Combined heating element and thermomotive device for cooking devices or toasters. 2,590,334, Mar. 25.

Loomis, Fred H., Woodhaven, N. Y. Sewing-machine thread cutter. 2,591,447, Apr. 1.

Loomis Machine Company, assignee: *See*—
Loomis, Martin, and Sanderson.

Loomis, Martin, Clare, and W. M. Sanderson, Midland, assignors to Loomis Machine Company, Clare, Mich. Dockboard. 2,592,919, Apr. 15.

Loomis, Paul A., Philadelphia, Pa. Pressing device for garrison cap covers and the like. 2,593,682, Apr. 22.

Loomis, Peter B., Birmingham, Mich. Optical viewer for films. 2,601,619, June 24.

Looney, Theodore, Johnson City, Tenn. Adjustable and mobile broom and mop display rack. 2,623,642, Dec. 30.

Loop, Harvey K., Astoria, Oreg. Fry shield. 2,614,718, Oct. 21.

Loos, Robert A., Packanack Lake, and B. J. Mezger, Riverdale, N. J., and J. Modrovsky, Flushing, N. Y., assignors to Curtiss-Wright Corporation. Bleeding air from compressors. 2,618,433, Nov. 18.

Loose Leaf Metals Co., assignee: *See*—
Schroer, Walter E.

Looser, Gottlieb, Zurich, Switzerland. Coin-operated fuel issuing machine. 2,582,549, Jan. 15.

Loosjes, Robert, and A. J. v. Genuchten, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Thermionic cathode. 2,614,942, Oct. 21.

Loosli, D. H., Co., Inc., assignee: *See*—
Loosli, Dimond H. and D. L.

Loosli, Dimond H. and D. L., assignors to D. H. Loosli Co., Inc., Idaho Falls, Idaho. Apparatus for protecting workers against dust and the like. 2,604,840, July 29.

Loosli, Donald L.: *See*—
Loosli, Dimond H. and D. L.

Loper, Douglas A.: *See*—
Young, Howard H., and Loper.

Loper, George B., and S. N. Heaps, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Horizontal component low-frequency geophone. 2,587,346, Feb. 26.

Lopes, Antonio A., and A. Marmo, Sao Paulo, Brazil. Bumper for motor vehicles. 2,600,060, June 10.

Lopez, Charles M., Los Angeles, Calif. Joint construction for endless belts. 2,587,053, Feb. 26.

Loquens, Karel, Prague, Czechoslovakia. Tape measure. 2,604,274, July 22.

Lorain Products Corporation, assignee: *See*—
Huge, Henry M.
Pohm, George H.

Loral Electronics Corporation, assignee: *See*—
Axelrod, Albert, Lackoff, and McLaughlin.

Lord, Arthur H., Jr., Houston, and E. Pancake, Bellaire, Tex., assignors to The Texas Company, New York, N. Y. Prospecting using gamma ray detection. 2,617,945, Nov. 11.

Lord, Arthur V.: *See*—
Lawson, Dennis I., and Lord.

Lord, Harold W.: *See*—
Bondley, Ralph J., and Lord.

Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric ballast. 2,598,399, May 27.

Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Flash tube circuit. 2,622,229, Dec. 16.

Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Cushioned tire. 2,620,844, Dec. 9.

Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Cushioned tire. 2,620,845, Dec. 9.

Lord, Leonard P., Storridge, near Malvern, assignor to The Austin Motor Company Limited, Northfield, Birmingham, England. Device for operating fastenings for doors of vehicles. 2,581,265, Jan. 1.

Lord Manufacturing Company, assignee: *See*—
Keetch, William A.
Lord, Hugh C.
Owen, Ralph D.

Lord, Perley P., South Lancaster, Mass. Device for expanding piston packing. 2,600,061, June 10.

Lord, Wilfred, Keighley, England. Letoff device for textile machines. 2,609,006, Sept. 2.

Lord, William E., Harlington, assignor to Electric and Musical Industries Limited, Hayes, England. Manufacturing sound recording disks. 2,584,892, Feb. 5.

Lord, William E., Harlington, assignor to Electric & Musical Industries Limited, Hayes, England. Gramophone record. 2,619,440, Nov. 25.

Lord, William T., Freeport, N. Y. Collapsible tube holder with tube-winding spool. 2,600,553, June 17.

Lorea, John V., and T. F. O'Rourke, Providence, R. I. Cleaning of manufactured jewelry parts. 2,612,898, Oct. 7.

Loredo, Miguel A., Habana, Cuba. Apparatus for no-effort inhalation anesthesia. 2,593,774, Apr. 22.

Lorenc, Thomas, assignee: *See*—
Warchalowski, Boleslaw.

Lorentz, Melvin E., assignee: *See*—
Hedberg, Aldrich R.

Lorentzen, Edward C., Keokuk, Iowa. Article of furniture. 2,615,776, Oct. 28.

Lorentzen, Hans K., Florham Park, N. J., assignor to Lorentzen Hardward Mf'g. Corp., New York, N. Y. Venetian blind bottom bar organization. 2,600,062, June 10.

Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Anderle, Joseph A.
Lorentzen, Hans K.
Nelson, Harry.
Schaller, Maurice.

Lorens, Anton, assignee: *See*—
Luckhardt, Johannes.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,612,937, Oct. 7.

Lorens, Anton, Buffalo, N. Y. Convertible sofa seat and bed. 2,613,370, Oct. 14.

Lorens, Anton, Buffalo, N. Y. Reclining article of furniture. 2,613,727, Oct. 14.

Lorens, Anton, Buffalo, N. Y. Reclining article of furniture. 2,615,498, Oct. 28.

Lorenz, Anton, Buffalo, N. Y. Bed or the like. 2,617,118, Nov. 11.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,617,470, Nov. 11.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,617,471, Nov. 11.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,617,472, Nov. 11.

Lorenz, Anton, Buffalo, N. Y., and L. M. van der Rohe, Chicago, Ill. Chair. 2,603,276, July 15.

Lorenz, Anton, Buffalo, N. Y., and H. Nock, Elisabeth, N. J. Combined sofa seat and bed. 2,613,369, Oct. 14.

Lorenz, Anton, Buffalo, N. Y., and J. Luckhardt, Berlin-Dahlem, Germany; said Luckhardt assignor to said Lorenz. Reclining article of furniture. 2,615,496, Oct. 28.

Lorenz, Edward H., West Hartford, Conn., assignor to Emhart Manufacturing Company. Glassware inspecting machine. 2,582,494, Jan. 15.

Lorenz, Lothar, Ludwigshafen-on-the-Rhein, Germany. Acetylene solution. 2,599,649, June 10.

Lorenz, Richard L., Chicago, Ill., assignor to General Time Corporation, New York, N. Y. Elapsed time recorder. 2,591,448, Apr. 1.

Lorens, Vincent C., Anaconda, Mont. Froth breaking apparatus. 2,613,810, Oct. 14.

Lorenz, Wallace J., Arlington, Calif. Making wash mitts. 2,590,983, Apr. 1.

Lorenzen, Howard C.: *See*—
Rather, Roy L., Jr., and Lorenzen.

Lorenzen, Roy A., Chicago, Ill. Punch plug receptacle for hand punches. 2,590,984, Apr. 1.

Lores, Manuel, Miami, Fla. Corrector device for roentgenologic measurements. 2,605,960, Aug. 5.

Loretto, Helen C., Navarre, Ohio. Baby bunting bath set. 2,621,331, Dec. 16.

Loria, Anthony, R. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Thio-bis-acylamino pyrazolone couplers for color photography. 2,592,303, Apr. 8.

Loria, Anthony, A. Weissberger and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Halogen-substituted pyrazolone couplers for color photography. 2,600,788, June 17.

Lorig, Edwin T., Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for positioning strip. 2,593,157, Apr. 15.

Lorig, Edwin T., Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for positioning strip. 2,593,158, Apr. 15.

Lorig, Edwin T., Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for automatically centering and aligning moving objects. 2,622,448, Dec. 23.

Lorig, Edwin T., Pittsburgh, Pa., assignor to United States Steel Company. Roller conveyer. 2,622,720, Dec. 23.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Apparatus for continuously processing strands. 2,587,742, Mar. 4.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Continuous strand helical conveying apparatus. 2,589,411, Mar. 18.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Apparatus for continuously abrading elongated strands. 2,592,161, Apr. 8.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Method and apparatus for positioning strip. 2,592,581, Apr. 15.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Apparatus for continuously processing strands. 2,622,860, Dec. 23.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Company. Pivoted automatic pinch roll arrangement for continuous processing lines. 2,622,875, Dec. 23.

Lorimer, James H., Toronto, Ontario, Canada. Machine for cutting ties or the like. 2,591,568, Apr. 1.

Lorio, Angelo, Brooklyn, N. Y. Rail connecting device. 2,620,986, Dec. 9.

Loritsch, John A.: *See*—
Nordlander, Birger W., and Loritsch.

Loro, Eugene F.: *See*—
Drury, Thomas W., Weber, and Loro.

Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.

Lorz, Emil, assignee: *See*—
Baltzly, Richard, and Lorz.

Los, Cornelis B.: *See*—
Recourt, Johannes C. A., and Los.

Los Angeles Steel Casting Co., assignee: *See*—
Dok, Harry.

Losch, Raymond M., Summit Station, Pa. Water-cooled shaker grate divider. 2,583,433, Jan. 22.

Losch, William F., Jr., Los Angeles, Calif. Filing folder. 2,599,768, June 10.

Losee, Eugene W., Hebron, Ill., assignor to Losee Products Co. Pasteurizer. 2,623,449, Dec. 30.

Losee Products Co., assignee: *See*—
Losee, Eugene W.

Losey, M. S., assignee: *See*—
Hall, Charles W.

Losey, Thomas B.: *See*—
Taylor, Raymond G., Jr., and Losey.

Losiewicz, Edward, and G. Brocklehurst, Detroit, Mich. Helically wound brush and holder therefor. 2,603,807, July 22.

Losinski, John L., and J. E. Schwermer, Duluth, Minn. Pay-off reel. 2,598,572, May 27.

Lothrop, Marcus: *See*—
Harris, Robert L., and Lothrop.

Lott, Frank H., Lebanon, Oreg. Heated lunch pail. 2,611,851, Sept. 23.

Lott, William A., Maplewood, ad E. Pribyl, Metuchen, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Carbamate of 3-ortho-toloxy-1,2-propanediol. 2,609,386, Sept. 2.

Lotthammer, Eric K.: *See*—
Mucinccin, Frank, and Lotthammer.
Skorupa, Edward R., and Lotthammer.
Stanley, Ralph B., and Lotthammer.

Lotz, Charles W., Chicago, Ill., assignor to Link-Belt Company. Wash box discharge control. 2,606,661, Aug. 12.

Lotz, Charles W., Chicago, Ill., assignor to Link-Belt Company. Method of and apparatus for continuously cleaning and separating minerals of different settling rates. 2,609,098, Sept. 2.

Lotz, Walter A.: *See*—
Powers, John S., and Lotz.

Louckes, Frank L., Memphis, Tenn. Mold for casting flexible revetment mats. 2,594,324, Apr. 29.

Loucks, Charles M.: *See*—
Cardwell, Paul H., and Loucks.

Loucks, Fred B., Jr., Menomonee Falls, Wis. Collapsible sawhorse leg assembly. 2,594,464, Apr. 29.

Louden Machinery Company, The, assignee: *See*—
Johnson, Albert C.
Spafford, Ralph W.

Loudon, John A., assignee: *See*—
Ogg, Leon L.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative receiver. 2,588,021, Mar. 4.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerntive superheterodyne wave-signal receiver. 2,588,022, Mar. 4.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tunable superheterodyne superregenerative receiver. 2,609,492, Sept. 2.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Angular-velocity-modulation wave-signal translating system. 2,613,316, Oct. 7.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Frequency converter system for radio receivers. 2,614,212, Oct. 14.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative receiver. 2,617,928, Nov. 11.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative superheterodyne wave-signal receiver. 2,623,166, Dec. 23.

Loughlin, Grant T.: *See*—
Lindenberg, Theodore, and Loughlin.

Loughlin, William D., Mountain Lakes, and D. M. Hill, assignors to Boonton Radio Corporation, Boonton, N. J. Modulated signal generator. 2,587,493, Feb. 26.

Loughner, John N., Detroit, Mich. Gas burning heating apparatus. 2,622,586, Dec. 23.

Loughney, Charles E., Jr.: *See*—
Schroeder, Robert W., Loughney, and Engelhardt.

Louis Allis Company, The, assignee: *See*—
Robinson, Russell I.

Louisiana State University and Agricultural and Mechanical College, Board of Supervisors of, assignee: *See*—
Rusoff, Louis L., and Gelpi.

Louisville Metal Products Company, assignee: *See*—
Mason, William T.

Loukomsky, Serge A.: *See*—
Gabel, Joseph W., and Loukomsky.

Loukomsky, Serge A., and E. I. Stearns, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Tristimulus integrator. 2,603,123, July 15.

Lound, Ernest P., Crosby, Minn. Chicken holder. 2,606,526, Aug. 12.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Draft rigging. 2,596,262, May 13.

Louthan, Chester F., and G. B. Long, assignors to General Motors Corporation, Dayton, Ohio. Apparatus for charging and sealing tubing with solder. 2,613,863, Oct. 14.

Louthan, Clissolde L., Yucaipa, Calif. Bobber for use in casting for fish. 2,592,441, Apr. 8.

Louton, Kenneth, Des Plaines, Ill. Calking compounds. 2,618,569, Nov. 18.

Louzos, Demetrios V.: *See*—
Coleman, Joseph J., and Louzos.

Lovas, Joseph J., Ridgewood, assignor to Specific Pharmaceuticals, Inc., New York, N. Y. Anticoagulant, amide of 3,3'-carboxy-methylene bis(4-hydroxycoumarin). 2,601,308, June 24.

Love, Angus, and Gyorgy Sik (known as George Sik), assignors to Baldwin Instrument Company Limited, Dartford, Kent, England. Apparatus for measuring extension of ferromagnetic material during rolling. 2,580,934, Jan. 1.

Love, Ben, Carnegie, Pa. Pressure combustion and compressor. 2,604,934, July 29.

Love, Burton, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coloring amine aldebyde resin molding compositions. 2,623,028, Dec. 23.

Love, Jabez A., Silver Creek Township, Cass County, Mich. Disk harrow. 2,587,494, Feb. 26.

Love, Jabez A., Silver Creek Township, Cass County, Mich. Lift type disk harrow. 2,598,400, May 27.

Love, Jabez A., Silver Creek Township, Cass County, Mich. Tractor mounted disk harrow. 2,609,647, Sept. 9.

Love, Jabez A., Eau Claire, Mich. Plow. 2,609,742, Sept. 9.

Love, John, and W. M. Sutherland, assignors to K. A. C. Limited, Glasgow, Scotland. Hydraulic apparatus for controlling relative movement between associated bodies. 2,607,581, Aug. 19.

Love, Leland B., Memphis, Tenn. Folding cot structure. 2,616,098, Nov. 4.

Love, Louis, Philadelphia, Pa. Filling backed water resistant, air permeable textile weave. 2,621,684, Dec. 16.

Love, Mahlon L., Geneseo, assignor to Deere & Company, Moline, Ill. Power-transmitting mechanism for converting rotation to reciprocation. 2,619,839, Dec. 2.

Love, Mahlon L., Orion, assignor to Deere & Company, Moline, Ill. Counterweighted drive mechanism for harvesters. 2,616,234, Nov. 4.

Love, Richard R., Buhl, Idaho. Dual offset wheel mounting for vehicles. 2,596,035, May 6.

Love, Richard R., Buhl, Idaho. Oscillating wheel assembly. 2,620,203, Dec. 2.

Love, Robert M.: *See*—
Waddell, Mathis T., Earhart, Love, and Tiller.

Love, Robert M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of cracked napthas with a hypochlorite followed by an alkali sulfide. 2,581,117, Jan. 1.

Love, Robert M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Regeneration of spent doctor solutions. 2,605,165, July 29.

Lovegrove, Hubert J., Rio de Janeiro, Brazil. Hair comb. 2,599,115, June 3.

Lovelace, Cleo, Los Angeles, assignor of one-half to H. T. Edwards, Glendale, Calif. Folding baby chair and tray. 2,580,935, Jan. 1.

Lovelady, Ernest C., Colorado Springs, Colo. Corsage protector. 2,622,731, Dec. 23.

Lovelady, Isaac W., and S. P. Kroeker, assignors to Sivalls Tanks, Inc., Odessa, Tex. Gas and liquid separator apparatus. 2,610,697, Sept. 16.

Lovelady, Isaac W., and S. P. Kroeker, assignors to Sivalls Tanks, Inc., Odessa, Tex. Emulsion treater. 2,610,698, Sept. 16.

Loveland, George W.: *See*—
Mintz, Milton A., and Loveland.

Loveland, Robert P.: *See*—
Ross, Irvine E., and Loveland.

Loveland, Roy B., Roanoke, Va., assignor to C. M. O'Boyle, Wilmington, Del. Bushing puller. 2,622,315, Dec. 23.

Loveless, Donald L., Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel melting process. 2,621,119, Dec. 9.

Lovell, Clarence A.: *See*—
Dunlap, Kermit S., and Lovell.

Lovell, Clarence A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spaced pulse impulse sender. 2,594,325, Apr. 29.

Lovell, Clarence A., Summit, N. J. Game racket frame. 2,610,056, Sept. 9.

Lovell, Clarence A., Summit, N. J., and D. B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generator. 2,580,446, Jan. 1.

Lovell, Clarence A., Summit, and D. B. Parkinson, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spaced-pulse impulse sender. 2,587,635, Mar. 4.

Lovell, Clarence A., Summit, and D. B. Parkinson, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spaced-pulse impulse sender. 2,588,397, Mar. 11.

Lovell, Clarence A., Summit, N. J., and D. B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse sender. 2,603,718, July 15.

Lovell, Dale E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Vulcanizing sponge rubber. 2,595,964, May 6.

Lovell, Dale E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Cushion. 2,620,022, Dec. 2

Lovell, Edgar S., Brattleboro, Vt. Fracture supporting device. 2,614,558, Oct. 21.

Lovell, Edwin M., Topeka, Kans. Ring setting. 2,591,569, Apr. 1.

Lovell Manufacturing Company, assignee: *See*—
Kauffman, Walter L., II.

Lovell, Raymond L., Chicago, Ill. Cleaning apparatus for battery cages. 2,601,844, July 1.

Lovell-Foot, John B., Northwood, and D. O. Hawes, assignors to The General Electric Company Limited, London, England. Remote-control system. 2,617,873, Nov. 11.

Lovely, John E., and R. M. Gamble, assignors to Jones & Lamson Machine Company, Springfield, Vt. Lathe. 2,592,920, Apr. 15.

Loven, Nils O.: *See*—
Tuttle, Wainwright, and Loven.

Loven, Nils O., Monroe, and J. T. Efford, Stratford, assignors to Bridgeport Brass Company, Bridgeport, Conn. Dispensing apparatus. 2,582,262, Jan. 15.

Loverde, Anthony, Niagara Falls, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Photochemical chlorination of hydrocarbons. 2,590,426, Mar. 25.

Loveridge, Lawrence E.: *See*—
Skellett, Albert M., and Loveridge.

Loveridge, Lawrence E., Rutherford, assignor to National Union Radio Corporation, Orange, N. J. Wave guide. 2,623,212, Dec. 23.

Lovett, Leroy W.: *See*—
Berggren, George E., and Lovett.

Lovfald, Peer, Lincroft, N. J. Electric heater. 2,594,465, Apr. 29.

Lövy, Geza, Buenos Aires, Argentina. Interchangeable heel for shoes. 2,600,511, June 17.

Low, Frank D., La Grange Park, Ill., assignor to Hotpoint Inc. Soap dish. 2,618,884, Nov. 25.

Low, Frank K.: *See*—
Bachelet, Albert E., and Low.

Low, Frank K., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Decoder and translator with readily changeable translations. 2,603,716, July 15.

Low, Frank K., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse counting and registering circuits. 2,623,114, Dec. 23.

Low, Kenneth H., Ottawa, Ontario, Canada. Cushion device. 2,619,362, Nov. 25.

Lowden, William P.: *See*—
Yung, Ashun, and Lowden.

Lowe, Arthur J., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Unsheathed safety explosive composition. 2,613,146, Oct. 7.

Lowe, Arthur J., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Delay blasting device. 2,618,221, Nov. 18.

Lowe, Donald M., Washington, D. C. Coupling device. 2,591,707, Apr. 8.

Lowe, Earl W., Decatur, Ill., and E. M. Reedy, Los Angeles, Calif., assignors to Mueller Co., Decatur, Ill. Faucet. 2,596,419, May 13.

Lowe, Erwin A., Santa Rosa, Calif. Awning or canopy. 2,614,299, Oct. 21.

Lowe, Frank W.: *See*—
Poindexter, Franklin E., and Lowe.

Lowe, Henry E., and H. Cazier, Clearwater, Fla., said Cazier assignor to said Lowe. Educational and amusement device. 2,581,492, Jan. 8.

Lowe, Joe Corporation, assignee: *See*—
Friedman, Aaron.
Roth, Ernest J.
Thomas, Norman M.

Lowe, Mark W., Connersville, Ind. Apparatus for peeling tomatoes. 2,609,022, Sept. 2.

Lowe, Richard H.: *See*—
Swainson, Swain J., Herkenhoff, and Lowe.

Lowe, Russell E.: *See*—
Morgan, John D., and Lowe.

Lowe, Wallace K., Syracuse, assignor to Crucible Steel Company of America, New York, N. Y. Automatic gauge regulator for grinding and polishing machines. 2,590,717, Mar. 25.

Lowe, Wallace K., Syracuse, assignor to Crucible Steel Company of America, New York, N. Y. Coil grinding equipment. 2,612,730, Oct. 7.

Lowe, Walter D.: *See*—
Kuiczycki, Karol, and Lowe.

Lowe, Warren: *See*—
Woodruff, Richard L., Stewart, and Lowe.

Lowe, Warren, W. T. Stewart and J. O. Clayton, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Lubricant containing selenium compounds. 2,597,838, May 20.

Lowe, Warren, and J. O. Clayton, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Mercaptothiazines as sulfur-corrosion inhibiting agents. 2,620,303, Dec. 2.

Lowe, Wesley G., and J. E. Jones, assignors to Eastman Kodak Company, Rochester, N. Y. Chemical sensitization of photographic emulsions. 2,604,397, July 22.

Lowe, Wesley G., and K. P. Griffin, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing polyvinyl alcohol-silver halide photographic emulsions. 2,614,930, Oct. 21.

Lowe, Wesley G., and G. F. Frame, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose ester-silver-halide photographic emulsions. 2,614,931, Oct. 21.

Lowe, William B.: *See*—
Stanley, Richard W., and Lowe.

Lowell Specialty Company, assignee: *See*—
Wisner, Otto.

Lowell Specialty Company of Lowell, Mich., assignee: *See*—
Winks, John L., and Fletcher.

Lowell, Stephen E.: *See*—
Saxton, Stanley L., and Lowell.

Lowell, Walter D., Mansfield, Conn., assignor to Max Pollack & Company, Inc., New York, N. Y. Machine for processing synthetic threads. 2,623,496, Dec. 30.

Lowell Wrench Company, assignee: *See*—
Dodge, John S.

Lowen, Herbert: *See*—
Back, Frank G., and Lowen.

Lowenthal, Herman, assignor to General Scientific Corporation, Chicago, Ill. High-speed four-component photographic objective. 2,587,347, Feb. 26.

Lowenthal, Herman, assignor to General Scientific Corporation, Chicago, Ill. Highly corrected four component photographic objective. 2,601,805, July 1.

Lower, Frederick A., Wichita Falls, Tex. Vehicle mounted endless cutter for tree felling. 2,619,994, Dec. 2.

Lower, Louie H., Hayden Lake, Idaho. Combined well cylinder and force pump. 2,604,053, July 22.

Lowery, Clarence D.: *See*—
Barrett, Dean E., and Lowery.

Lowes, Frederick J.: *See*—
Head, James D., and Lowes.

Lowey, Francis J.: *See*—
Wellman, Samuel K., and Lowey.

Lowman, Robert K., Oroville, Calif. Detachable trailer hitch. 2,622,892, Dec. 23.

Lowman, Roderic V., New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Keyed direct current reinsertion circuit. 2,618,703, Nov. 18.

Lowman, Theodore A., Fairbanks, Alaska. Adjustable door hinge. 2,588,258, Mar. 4.

Lowndes, Richard I., Jr., Cleveland, Tenn. Templet etching device. 2,583,578, Jan. 29.

Lownes, Robert P.: *See*—
Seidel, Stephen G., and Lownes.

Lowrie, Mary, executrix: *See*—
Maclennan, William H., Clark, and Lowrie.

Lowrie, William J. D.: *See*—
Maclennan, William H., Clark, and Lowrie.

Lowry, Erwin F., Lynn, and A. Y. Mace, Marblehead, assignors to Sylvania Electric Products Inc., Salem, Mass. Coating fluorescent lamps. 2,607,706, Aug. 19.

Lowry, Jesse R., Des Moines, assignor to Ideal Manufacturing Company, Oskaloosa, Iowa. Reciprocating pump. 2,591,951, Apr. 8.

Lowry, Milton L., Los Angeles, Calif. Polyvinyl alcohol lucrose hemostat. 2,595,276, May 6.

Lowry, Robert D., Winchester, Mass., and H. L. Schaefer, assignors to The Dow Chemical Company, Midland, Mich. Presbrinking crystalline vinylidene chloride copolymer film. 2,603,838, July 22.

Lowry, Robert W., assignor to Hyster Company, Portland, Oreg. Demounting arrangement for tractor mounted equipment. 2,595,864, May 6.

Lowther, Franklin D., Sr., Belle, W. Va. Pump lubrication. 2,612,116, Sept. 30.

Lowy, Louis, and S. R. Emig, Detroit, Mich. Mechanism for finishing cylindrical surfaces. 2,591,273, Apr. 1.

Loy, Cyril W., and M. H. Mullis, York, S. C., assignors to Kileze Company, Inc. Engine exhaust operated fluent material distributor. 2,611,992, Sept. 30.

Loy, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Operation of multistage combustion gas turbines. 2,621,475, Dec. 16.

Loy, John W., Woods Cross, Utah, assignor to Phillips Carbons. 2,591,843, Apr. 8.

Lozano y Garcia de V., Ramon, Cordoba, Spain. Hydraulic elevator or jack. 2,593,903, Apr. 22.

Petroleum Company. Catalytic isomerization of hydro-

Luaces, Enrique L., and M. A. Crosby, Dayton, Ohio, assignors to The Dayton Rubber Company. V-belt having metallic neutral axis. 2,621,528, Dec. 16.

Lubatti, Eugenio, Turin, Italy. Electric glass furnace. 2,591,708, Apr. 8.

Lubatti, Eugenio, Turin, Italy. Furnace electrode. 2,591,709, Apr. 8.

Lubcke, Harry R., and J. P. Dean, Hollywood, assignors to General Teleradio, Inc., Los Angeles, Calif. Television phase-actuated control equipment. 2,623,173, Dec. 23.

Lübeck, Carl H. O., Stockholm, Sweden. Closure for tanks containing battery cells. 2,585,564, Feb. 12.

Lübeck, Carl H. O., Stockholm, Sweden. Alkaline accumulator with so-called double or two cells. 2,592,921, Apr. 15.

Lubeley, Anthony J., assignor to Anheuser-Busch, Inc., St. Louis, Mo. Fluid proportioning device. 2,592,304, Apr. 8.

Lubersky, Isadore: *See*—
Carey, Troy L., and Lubersky.

Lubic, George, assignee: *See*—
Miller, William S.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Print processing machine. 2,604,024, July 22.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Supplemental lens for camera objectives. 2,611,294, Sept. 23.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Centrifugal spray processing apparatus for sensitized materials. 2,614,472, Oct. 21.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Projection screen. 2,618,198, Nov. 18.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Film processing machine. 2,621,572, Dec. 16.

Lubrizol Corporation, The, assignee: *See*—
Asseff, Peter A., Mastin, and Rhodes.
Craig, Willis G.

Lubszynski, Hans G., Northwood, J. D. McGee, Ealing, London, W. E. Turk, Hayes, and H. Cassman, Harlington, assignors to Electric & Musical Industries Limited, Hayes, England. Electron discharge device suitable for use as television transmitting tubes. 2,598,401, May 27.

Lubszynski, Hans G., Northwood, and E. L. C. White, Richings Way, Iver, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Circuits for reinserting direct current and low-frequency components. 2,620,393, Dec. 2.

Luby, Henry N., Denver, Colo. Motor vehicle guard. 2,620,215, Dec. 2.

Lubzinski, James F., Steveston, British Columbia, Canada. Ship's steering wheel hub. 2,614,439, Oct. 21.

Lucas Development, Inc., assignee: *See*—
Bastian, Richard R., and Berkebile.

Lucas, Elmer A., deceased, Edgewood, R. I.; W. W. Harvey, executor, assignor to L. E. Lucas, Newport, R. I. Storm window fastener. 2,569,906, May 13.

Lucas, Elmer A., deceased, Edgewood, R. I.; W. W. Harvey, executor, assignor to L. E. Lucas, Newport, R. I. Furnace draft regulator. 2,596,907, May 13.

Lucas, Fred C. and R. P., Los Angeles, Calif. Ankle joint for artificial legs. 2,594,945, Apr. 29.

Lucas, Glennard R., Pittsfield, Mass., assignor to General Electric Company. Separating diorganohalogenosilanes from mixtures of the latter and organotrihalogenosilanes. 2,594,946, Apr. 29.

Lucas, Glennard R., Pittsfield, Mass., assignor to General Electric Company. Polysiloxane resins with lead tetraphenyl catalyst. 2,598,402, May 27.

Lucas, Glennard R., Pittsfield, and R. W. Martin, Lenox, Mass., assignors to General Electric Company. Making methyl-substituted disiloxane diols. 2,600,307, June 10.

Lucas, Harry C.: *See*—
Gillespie, Forest H., Lucas, and Motta.

Lucas, James J., assignor to Barber-Colman Company, Rockford, Ill. Machine for forming cutters. 2,597,648, May 20.

Lucas, John G., Saginaw, Mich. Device for mounting and interchanging accessories on a fishing spoon. 2,590,633, Mar. 25.

Lucas, John H., Salfords, near Redhill, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase-shift circuit for grid-controlled gas discharge tubes. 2,591,952, Apr. 8.

Lucas, Joseph E., assignor of thirteen-twentieths to R. T. Wells, and one-twentieth to J. S. T. McDowell, Longview, Tex. Hydraulic automobile lifting device. 2,619,319, Nov. 25.

Lucas, Joseph, Limited, assignee: *See*—
Clark, John S., and Collinson.
Clarke, Albert E., North, Holliday, and Clarke.
Clarke, John S. and A. E., and Coupe.
Clarke, John S., and Goddard.
Clarke, John S., Gregory, and Gerrard.
Harris, Thomas A.
Huyton, Alfred.
Ifield, Richard J.
Ifield, Richard J., and Watson.
Masterton, John.
Parkes, Eric B.
Rule, John.
Spencer, George D.
Swift, William.
Watson, Ernest A., and Clarke.

Lucas, Junious G., Madrid, Iowa. Sediment test card. 2,597,350, May 20.

Lucas, Luella E., assignee: *See*—
Lucas, Elmer A.

Lucas, Roy P.: *See*—
Lucas, Fred C. and R. P.

Lucas, Samuel W., Underdale, South Australia, Australia. Device for handling grain. 2,622,722, Dec. 23.

Lucas, Sydney, Harrow, and J. A. Baines, Acton, London, assignors to Rotax Limited, London, England. Aircraft deicing means. 2,622,828, Dec. 23.

Lucas, Walter D., W. Erbert, and J. S. Kessler, Kenosha, Wis., assignors to L. King, Chicago, Ill. Sediment tester head. 2,622,435, Dec. 23.

Lucas, William P.: *See*—
Condliffe, George E., Harker, and Lucas.

Luccous, John C.: *See*—
Otis, Herbert C., and Luccous.

Luce, Albert L., Jr., Fort Valley, Ga. Aisle seat. 2,621,708, Dec. 16.

Luce, Edward J.: *See*—
Zoerlein, Emil, Vincent, and Luce.

Luce Manufacturing Company, assignee: *See*—
Luce, Richard W.

Luce, Richard W., assignee: *See*—
Engstrom, Henry O.
Engstrom, Henry O., and Luce.

Luce, Richard W., Southport, Conn., assignor to Luce Manufacturing Company, Groton, Vt. Salt shaker arrangement with desiccant container. 2,592,162, Apr. 8.

Luce, Stewart B., La Grange, assignor to Swift & Company, Chicago, Ill. Copolymers of maleic anhydride. 2,602,786, July 8.

Luce, Stewart B., La Grange, assignor to Swift & Company, Chicago, Ill. Vinyl acetate polymerization. 2,611,762, Sept. 23.

Lucero, Juan D., Ciudad, Argentina. Projectile. 2,623,748, Dec. 30.

Luchsinger, Ernst, Zurich, assignor to Fibra A. G., Glarus, Switzerland. Filing tool. 2,622,310, Dec. 23.

Luchsinger, Eugénie, Kusnacht/Zurich, Switzerland, assignor to Palic Trading Corporation, New York, N. Y. Straight-bar knitting machine. 2,621,498, Dec. 16.

Luchsinger-Caballero, Rodolfo, Madrid, Spain. Replaceable tread tire. 2,609,026, Sept. 2.

Lucht, Donald C., Harrington, Wash. Cam actuated slidable jaw wrench. 2,582,444, Jan. 15.

Lucien, Clyde A., Lynn, Mass. Generator control for battery charging systems. 2,607,026, Aug. 12.

Lucier, James H., Northbridge, Mass. Corsage pin. 2,592,922, Apr. 15.

Lucius, Charles L., New York, N. Y. Lock. 2,623,379, Dec. 30.

Lucius, John D.: *See*—
Azola, Joseph R., Lucius, Tate, and Lyon.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Radio aid to navigation. 2,584,599, Feb. 5.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Indicating system. 2,585,565, Feb. 12.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Radio navigation system. 2,602,925, July 8.

Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Aircraft antenna system. 2,618,747, Nov. 18.

Lucker, Millard B., St. Joseph, C. R. Myers, Galien, and L. F. Dasse, Sodus, assignors, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Self-adjusting disk brake. 2,607,442, Aug. 19.

Luckhardt, Johannes: *See*—
Lorenz, Anton, and Luckhardt.

Luckhardt, Johannes, Berlin, Germany, assignor to A. Lorenz, Buffalo, N. Y. Reclining article of furniture. 2,615,497, Oct. 28.

Lucson Corporation, assignee: *See*—
Rifle, William V.

Luddington, Paul A., assignee: *See*—
Ogg, Leon L.

Ludeking, Clarence J., Decorah, Iowa. Forage unloader. 2,600,008, June 10.

Ludema, Joe, Hudsonville, Mich. Laterally adjustable endless tracks for tractors. 2,618,349, Nov. 18.

Ludewig, Max, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Image-inverting optical system. 2,593,904, Apr. 22.

Ludi & Co., assignee: *See*—
Broegger, Carl.

Lüdi, Fritz, Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Ultra-short wave electron tube. 2,597,506, May 20.

Lüdi, Fritz, Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding, A. G., Glarus, Switzerland. Microwave generator. 2,602,146, July 1.

Lüdi, Fritz, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Microwave generator. 2,607,905, Aug. 19.

Lüdi, Fritz, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Microwave amplifier. 2,622,158, Dec. 16.

Ludi, John, Toms River, N. J. Poultry feeder and waterer. 2,588,737, Mar. 11.

Ludlow, Edmund, Columbus, Ind., assignor to Arvin Industries, Inc. Muffler with tuned side branch silencing chambers. 2,580,564, Jan. 1.

Ludlow, Edmund, Columbus, Ind., assignor to Arvin Industries, Inc. Automobile-body heater. 2,610,833, Sept. 16.

Ludlow, Edmund, Columbus, Ind., assignor to Arvin Industries, Inc. Valve for automobile body heaters. 2,615,669, Oct. 28.

Ludlow, John L.: *See*—
Watson, Frederick K., Ludlow, and Tallman.

Ludlow, John L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Isolation of chlorosulfonated polymers of ethylene from solution. 2,592,814, Apr. 15.

Ludlow Typograph Company, assignee: *See*— McCauley, John C.

Ludvigsen, Gerhard, assignee: *See*— Baumer, Stig. G. Å.

Ludwick, George W., assignor of one-half to J. H. Ludwick, Camden, N. J. Aquarium drainage device. 2,595,965, May 6.

Ludwick, Joseph H., assignee: *See*— Ludwick, George W.

Ludwick, Maria T.: *See*— Murray, William S., and Ludwick.

Ludwig, Donald C., and G. W. Schatzman, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield assembly. 2,611,629, Sept. 23.

Ludwig, Frederic G., New Haven, Conn. Contact printing apparatus. 2,591,449, Apr. 1.

Ludwig, John W., New Canaan, Conn., assignor, by mesne assignments, to Askania Regulator Company, Chicago, Ill. Web register control system. 2,583,580, Jan. 29.

Ludwig, Leon R., Buffalo, N. Y., W. H. Stuellein, East McKeesport, and G. D. Gamel, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,590,634, Mar. 25.

Ludwig, Leon R., Pittsburgh, Pa., T. C. Fockler, and W. H. Formhals, Buffalo, N. Y., and H. T. Walton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fan-cooled motor. 2,615,937, Oct. 28.

Ludwig, Louis, Brooklyn, N. Y. Switch-socket structure. 2,595,799, May 6.

Ludwig, Milton, Berkeley, and W. R. Postlewaite, Menlo Park, assignors to California Research Corporation, San Francisco, Calif. Retarding roller for conveyers. 2,607,459, Aug. 19.

Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Retarded cement. 2,580,565, Jan. 1.

Ludwig, Ralph J., Tucson, Ariz. Stress breaker assembly for artificial dentures. 2,607,116, Aug. 19.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,582,495, Jan. 15.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,596,263, May 13.

Luebben, Ummo F., Omaha, Nebr. Vehicle power transmission system. 2,608,883, Sept. 2.

Luebbers, Herman E., Fort Dodge, Iowa. Load lifting mechanism. 2,610,752, Sept. 16.

Luebbert, Henry C., Cleveland, Ohio. Apparatus for setting pins. 2,591,450, Apr. 1.

Luebkenman, George C., Cincinnati, Ohio. Molding process. 2,596,573, May 13.

Luening, William D.: *See*— Moise, James E., and Luening, and Daroux. Smith, Warren M., Luening, and Lane.

Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for loading and unloading jars into and out of containers. 2,596,339, May 13.

Lufkin Rule Company, The, assignee: *See*— Witcher, Eugene J.

Luft, John, assignor to Oshkosh Trunks and Luggage, Oshkosh, Wis. Turntable base for trunks. 2,605,989, Aug. 5.

Luft, Lawrence L., Gahanna, Ohio. Piston cleaning apparatus. 2,616,108, Nov. 4.

Luger, Catherine P.: *See*— Zamboni, William E., and Luger.

Luger, Kenneth E.: *See*— Zamboni, William E., and Luger.

Luhdorff, Frederick H.: *See*— De Back, William, and Luhdorff.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Record feeding and analyzing apparatus. 2,615,626, Oct. 28.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,616,561, Nov. 4.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Rotary switch. 2,616,994, Nov. 4.

Luhn, Hans P., Armonk, B. F. Ambrosio, Long Island City, and K. W. Dean, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Data comparing apparatus. 2,602,545, July 8.

Lukacs, Joseph, Astoria, assignor, by mesne assignments, to Technicon Cardiograph Corporation, New York, N. Y. Electrical recording instrument for electrocardiographs. 2,590,554, Mar 25.

Lukasiewicz, Sigmund J.: *See*— Hartough, Howard D., Caesar, and Lukasiewicz. Hartough, Howard D., and Lukasiewicz.

Lukaszewicz, Felix F.: *See*— Brown, Myron J., and Lukaszewicz.

Luke, Victor J.: *See*— Merhige, Alexander, and Luke.

Lukens, C. Dewitt, Surgical Manufacturing Company, The, assignee: *See*— Harkness, Reed B., and Lacey.

Lukens, Hiram S., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Metal coating. 2,583,581, Jan. 29.

Lukens Steel Company, assignee: *See*— Donato, Dominick J. Edwards, Lewis W., and Von Stroh.

Lukes, Adolph F., Waterloo, Iowa. Cement gun. 2,592,815, Apr. 15.

Lukey, John B.: *See*— Armitage, Joseph B., Flannery, and Lukey.

Lukins, Richard H.: *See*— Peterson, Albert C., Hayes, and Lukins.

Lull, Le Grand H., Minneapolis, Minn. Load handling and transporting machine. 2,621,811, Dec. 16.

Lull, Le Grand H., Minneapolis, Minn. Machine for handling and transporting material. 2,621,812, Dec. 16.

Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical brush contact device. 2,581,266, Jan. 1.

Lumalampan Aktiebolag, assignee: *See*— Axberg, Gunnar F. Holm, Erik G. Hörberg, Erik A.

Lumb, Charles F., Kingston Hill, England. Soot blower with mechanism for converting rotary motion into straight line motion succeeded by rotary motion. 2,592,923, Apr. 15.

Lumb, David C., and B. Pundick, Schenectady, N. Y., assignors to General Electric Company. Torque dynamometer. 2,582,784, Jan. 15.

Lumbard, Henry G., Auburn, Maine. Process of and apparatus for slitting and stretching insole material. 2,588,869, Mar. 11.

Lumitype Corporation, assignee: *See*— Murphy, Joseph F.

Lummus Company, The, assignee: *See*— Blazer, Charles W. Bowles, Vernon O., and Schutte. Davis, Hyman R. Kniel, Ludwig. Kraft, Wheaton W. Kraft, Wheaton W., Davies, and Schauble. Morris, Layne H., and Parrish. O'Connor, Ward J. F., and Rowen. Rollins, Jennings F., and Brooks. Schauble, Otto C., and Tibbetts. Schutte, August H., and Bowles. Worn, George A.

Lummus Cotton Gin Company, assignee: *See*— Vandergriff, Arvel L.

Lunas, Lawrence J.: *See*— Young, Douglass A., Lunas, and Lenehan.

Lund, Alvin O., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator motor control system. 2,620,898, Dec. 9.

Lund, Alvin O., East Orange, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed-regulating control system. 2,600,308, June 10.

Lund, Arthur D.: *See*— Castner, George P., and Lund.

Lund, Perle M., Woodlake, Calif. Automatic tractor mounted vineyard plow. 2,608,146, Aug. 26.

Lundbäck, Sven V., Stockholm, and S. G. Sandström, Solna, assignors to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden. Preparing arsenate-containing plant-protective agents. 2,608,505, Aug. 26.

Lundberg, Bo K. O., Appelviken, assignor to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden. Reverse thrust arrangement for braking jet-propelled aircraft. 2,620,622, Dec. 9.

Lundberg, Gustave E., Chicago, Ill., assignor to The Seng Company. Drawer fixture. 2,594,571, Apr. 29.

Lundberg, John E., Lynn, Mass., assignor to General Electric Company. Temperature compensated floated gyroscope. 2,585,024, Feb. 12.

Lundberg, John E., Lynn, Mass., assignor to General Electric Company. Low friction shockproof bearings. 2,620,668, Dec. 9.

Lundberg, John E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Component checking burner control apparatus. 2,619,161, Nov. 25.

Lundberg, John E., Swampscott, and H. G. Swanson, Belmont, Mass., assignors to General Electric Company. Torque motor for gyroscopes. 2,592,582, Apr. 15.

Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Use of nonionic surface active agent in preparation of anionic resin in bead form. 2,610,156, Sept. 9.

Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Use of petroleum sulfonates in preparation of resinous condensation products in bead form. 2,610,170, Sept. 9.

Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Use of cationic surface active agent in preparation of anionic resin in bead form. 2,614,085, Oct. 14.

Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyethylene-melamine reaction products. 2,620,315, Dec. 2.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Pneumatic operating means for railway dump cars. 2,588,133, Mar. 4.

Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Power tong. 2,618,468, Nov. 18.

Lundeen, Eugene T., assignor to The Peltier Corporation, Chicago, Ill. Pallet support. 2,621,879, Dec. 16.

Lundell, Alvin O., assignor to The Allbright-Nell Company, Chicago, Ill. Dehairing apparatus for hog carcasses. 2,588,259, Mar. 4.

Lundell, Vernon, Meriden, Iowa. Trailer dump body. Re. 23,594, Dec. 9.

Lundgren, Axel G., Vasteras, Sweden. Tool for securing cable clamps. 2,588,738, Mar. 11.

Lundgren, Edwin, Frederick, Md., assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for testing aeronautical equipment. 2,615,331, Oct. 28.

Lundgren, Harold P.: *See*— Jones, Harrison W., Thorsen, and Lundgren.

Lundgren, Thord E.: *See*— Persson, Bengt E., Lundgren, and Eigenstierna.

Lundgren, William E.: *See*— Zabriskie, Arthur E., and Lundgren.

Lundholm, Carl H., Stockholm, Sweden. Adjusting buckle for the suspension straps leading from a parachute harness to the parachute. 2,584,358, Feb. 5.

Lundine, Gustav E., Jamestown, assignor to Jamestown Steel Partitions, Inc., Falconer, N. Y. Cabinet. 2,591,172, Apr. 1.

Lundman, Ben E., Mount Vernon, Wash. Garment hanger. 2,620,954, Dec. 9.

Lundquist, Carl E. E., Stockholm, Sweden. Adjustable chair back. 2,590,718, Mar. 25.

Lundquist, Gust, Seattle, Wash. Trap for rats and other rodents. 2,611,990, Sept. 30.

Lundquist, Wilton G. Quinn, Paul J. Rowe, Mark R., and Wiegand. Schuyler, Joe R. Tiedeman, Robert K., Mergen, and Chillson.

Lundquist, Wilton G., Hohokus, N. J., assignor to Curtiss-Wright Corporation. Turbine expansion section construction. 2,622,789, Dec. 23.

Lundsted, Lester G.: *See*— Jacobs, Edward C., and Lundsted.

Lundsted, Lester G., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Catalytic isomerization of propylene oxide to propionaldehyde, catalyst therefor, and synthesis of catalyst. 2,601,538, June 24.

Lundstrom, Carl B., Little Falls, N. Y. Typewriter cabinet. 2,585,566, Feb. 12.

Lundstrom, Edward W.: *See*— Palmquist, Marvin E., and Lundstrom.

Lundstrum, Ida, St. Louis, Mo. Curtain raising and lowering fixture. 2,588,641, Mar. 11.

Lundstrom, Oscar, Hempstead, N. Y., assignor to The Sperry Corporation. Ultrahigh-frequency power measuring apparatus. 2,619,540, Nov. 25.

Lundstrum, Allan W., Anderson, Ind. Clothes drier. 2,597,115, May 20.

Lundvall, Elmer E., Weld County, R. W. Becker, Arapahoe County, and C. Eckstein, Jefferson County, assignors to Instant Milk Cooling Company, Inc., Greeley, Colo. Milk cooling attachment for milking machines. 2,610,034, Sept. 9.

Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Floor rack. 2,607,301, Aug. 19.

Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Hatch construction for railway cars. 2,612,849, Oct. 7.

Lundy, Alvin S.: *See*— Schneible, Claude B., and Lundy.

Lundy, Charles W., Sr., North Charleroi, Pa. Trap for sewer catch basins. 2,586,967, Feb. 26.

Lundy, Daniel, assignor to American Potash & Chemical Corporation, Trona, Calif. Bromine water feeder. 2,610,148, Sept. 9.

Lundy, Richard T., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine brush. 2,613,239, Oct. 7.

Lunger, Roscoe, assignee: *See*— Ahlmeyer, Harvey.

Lunkenheimer Company, The, assignee: *See*— Bolton, John W., and Weigand. Weigand, Sylvester A., and Monnig.

Lunsford, Joseph C., assignor to H. C. Rhodes, Portland, Oreg. Doughnut forming machine. 2,595,865, May 6.

Lunsford, Joseph C., assignor to H. C. Rhodes, Portland, Oreg. Doughnut machine. 2,595,866, May 6.

Luntz, Richard, assignee: *See*— Griffin, John W. Griffin, John W., and Lazarus.

Luomala, Karl A. E., Cloquet, Minn. Milk can handling device. 2,606,732, Aug. 12.

Lupfer, George L., Bedford, R. G. Atkinson, Maple Heights, and J. D. Stubbs, assignors to The Standard Oil Company, Cleveland, Ohio. Clay decolorizing of solvent refined lubricating oils. 2,602,044, July 1.

Lupo, Frank J., Hackensack, assignor to Chatham Electronics Corporation, Newark, N. J. Voltage regulator. 2,594,572, Apr. 29.

Lupo, Mario, Chicago, Ill. Comb. 2,616,435, Nov. 4.

Luppold, George W., assignor to Sullivan Bros., Lowell, Mass. Ticket pad and dispensing tray therefor. 2,582,785, Jan. 15.

Lupton, Elmer H., Baltimore, Md., assignor to The Sinclair-Scott Company of Baltimore City. Peeling machine. 2,620,002, Dec. 2.

Lupu, Isabell J.: *See*— Coultier, Joseph F., and Lupu.

Lurgi Gesellschaft Fuer Waermetechnik m. b. H., assignee: *See*— Rottig, Walter, Gross, Royen, and Schenk.

Lurie, Hillis N.: *See*— Galhouse, Leonard B., and Lurie.

Lurie, Joseph M., Lewiston, assignor to Bonafide Mills, Inc., Lisbon, Maine. Laminated sheet for use as a wall or floor covering. 2,589,502, Mar. 18.

Lurie, Joseph M., Lewiston, assignor to Bonafide Mills, Inc., Lisbon, Maine. Making decorative sheets. 2,619,753, Dec. 2.

Luscalzo, Benjamin, assignee: *See*— Wertepny, Alexander W., and R. J.

Lüscher, Ernest, and A. Engeloch, assignors to Sandoz A. G., Basel, Switzerland. Dyeing only the flesh side of chrome-tanned fur skins. 2,583,269, Jan. 22.

Luscher, Leber & Co. A. G., assignee: *See*— Muff, Georg.

Luse, Melvin J., Moville, Iowa. Poult feed saver. 2,581,422, Jan. 8.

Luskin, Michael M.: *See*— Buck, Frank H., Luskin, and Sanders.

Lustbader, Melvin H., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Hectograph master sheet. 2,582,932, Jan. 15.

Lustek, John, Lorain, Ohio. Deodorizer block and holder. 2,613,990, Oct. 14.

Luster, Norman L., Chicago, Ill. Valve for delivering carbonated beverages. 2,612,182, Sept. 30.

Lustgarten, Abraham, New York, N. Y. Panty girdle combination. 2,597,587, May 20.

Lustig, Frank, Chicago, Ill., assignor to Revere Camera Company. Base for motion-picture projectors. 2,585,258, Feb. 12.

Lustig, Hans G.: *See*— Roughsedge, Robert H., and Lustig.

Lustig, Peter A., assignor to Star Products Company, Detroit, Mich. Spring sash balance. 2,581,423, Jan. 8.

Lustrafil Limited, assignee: *See*— Barker, Sydney W.

Lute, Carl, Hammond, Ind., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door safety catch. 2,587,348, Feb. 26.

Luten, Daniel B., Jr.: *See*— Schwarzer, Carl G., Ballard, and Luten.

Luten, Daniel B., Jr., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Controlling chemical reactions. 2,590,436, Mar. 25.

Luten, Daniel B., Jr., Berkeley, assignor to Shell Development Company, San Francisco, Calif. High-vacuum multistage distillation method and apparatus. 2,606,146, Aug. 5.

Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing phenolic derivatives.. 2,586,070, Feb. 19.

Luten, Daniel B., Jr., Berkeley, S. A. Ballard, Orinda, and C. G. Schwarzer, Walnut Creek, assignors to Shell Development Company, Emeryville, Calif. Production of bis(hydroxyphenyl) compounds. 2,602,821, July 8.

Luterick, Marcellus C., Montrose, assignor to Arden Farms Co., Los Angeles, Calif. Ice-cream whipping machine. 2,600,009, June 10.

Luterick, Marcellus C., Montrose, assignor to Arden Farms Co., Los Angeles, Calif. Ice-cream agitator or the like. 2,600,010, June 10.

Lutes, Harold R., Alhambra, Calif. Dual stereoscopic projector. 2,598,573, May 27.

Lutes, Oakley D., Jackson, Mich. Plow colter. 2,596,574, May 13.

Luth, Arno J., Oconto Falls, Wis. Sanitary teat cup protector. 2,622,559, Dec. 23.

Luther, Charles B.: *See*— Larson, Earl E., and Luther.

Luther, Otto H., New York, N. Y. Intermittent film feeding mechanism utilizing scroll gears. 2,594,466, Apr. 29.

Luther, Paul E., assignor of fifty-two one hundredths to F. M. Ball & Co., Oakland, Calif. Fruit pitting machine. 2,623,562, Dec. 30.

Luther, Philip A., Sepulveda, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Shock absorbing strut for aircraft. 2,608,403, Aug. 26.

Luther, William P., and G. Rudat, assignors to John Oster Manufacturing Company, Racine, Wis. Brush holder for electric motors and the like. 2,584,214, Feb. 5.

Luton, Gilbert L., assignee: *See*— Luton, Thomas C.

Luton, Thomas C., Indianapolis, assignor of one-fourth to G. L. Luton, Evansville, Ind. Guard for cigarette holders. 2,583,109, Jan. 22.

Luttenauer, Carlos, Mulhouse, France. Device for mounting engraved cylinders in machines for printing cloth and the like. 2,581,593, Jan. 8.

Luttge, William G., Rockville Centre, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Hat. 2,616,091, Nov. 4.

Lutton, Charles F.: *See*—
Maxwell, Charles A., Lutton, and Besha.

Luttringhaus, Hans, Chatham, and J. E. Flint, Glen Ridge, N. J., and A. A. Arcus, Bellerose, assignors to General Dyestuff Corporation, New York, N. Y. Application of leuco esters of vat dyestuffs on animal fibers using urea and an acid. 2,618,529, Nov. 18.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Wurttemberg, Germany. Seam for joining the meeting or overlapping edge portions of fabric sections. 2,595,152. Apr. 29.

Lutz, Leland J., Grand Island, N. Y., assignor to Mathieson Chemical Corporation. Preparation of ethylene urea. 2,615,025, Oct. 21.

Lutz, Marvin G.: *See*—
Toepfer, Francis H., Lutz, and Chadock.

Lutz, Otto, Braunschweig, Germany. Internal-combustion engine. 2,606,541, Aug. 12.

Lutz, Raymond H., Wilton, Conn. Coating compositions containing a synthetic resin and a liquid propellant. 2,617,780, Nov. 11.

Lutz, Samuel G., University Heights, N. Y. Time recording system. 2,580,447, Jan. 1.

Lutz, Vergil M., Springfield, Ohio. Anticreeper railway rail. 2,599,004, June 3.

Lutz, William A., Westport, assignor to The Dorr Company, Stamford, Conn. Fertilizer manufacture. 2,600,253, June 10.

Lutz, Wolfgang J., Haag, Austria. Chewing gum and making the same. 2,586,675, Feb. 19.

Lutz, Wolfgang J., Haag on the Hausruck, Austria. Coat. 2,586,676, Feb. 19.

Luwa, S. A., assignee: *See*—
Andermatt, Carl.

Lux Clock Manufacturing Company, Inc., The, assignee: *See*—
Lux, Frederick.

Lux, Frederick, Middlebury, assignor to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Timer. 2,593,905, Apr. 22.

Luxene of Canada Limited, assignee: *See*—
Galley, Andrew H.

Luxury Gifts, Inc., assignee: *See*—
Kavanagh, James O.

Lybrook, Malcolm T., and H. H. Clayton, assignors to Essex Wire Corporation, Logansport, Ind. Turn indicator. 2,611,842, Sept. 23.

Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel and making the same. 2,581,195, Jan. 1.

Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel and making the same. 2,618,581, Nov. 18.

Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for making laminated articles. 2,620,014, Dec. 2.

Lykken, Henry G., Minneapolis, Minn. Dehydrating lignite. 2,610,115, Sept. 9.

Lyle, Aaron K., West Hartford, Conn., assignor to Emhart Manufacturing Company. Mechanism for manufacturing small glass beads. 2,616,124, Nov. 4.

Lyle, Aaron K., West Hartford, Conn., assignor to Emhart Manufacturing Company. Electrode for contact with molten glass. 2,623,969, Dec. 30.

Lyle, Burton E.: *See*—
Hendrickson, Luther G., Dixon, and Lyle.

Lyle, Joel I., III, Orlando, Fla. Tree pulling arrangement. 2,597,740, May 20.

Lyle, John P., Jr., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Plastic alloy which sets at room temperature. 2,585,393, Feb. 12.

Lyle, Lowell A., Jr.: *See*—
Tucker, Charles, and Lyle.

Lyman, Albert A., Short Hills, assignor to Public Service Coordinated Transport, Newark, N. J. Fare box light unit. 2,583,182, Jan. 22.

Lyman, Harold T., Milford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Wide range high-frequency tuner. 2,598,810, June 3.

Lyman, Harold T., Milford, and D. R. De Tar, Stratford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Radio-frequency transformer. 2,591,081, Apr. 1.

Lyman, Homer F., Nutley, N. J. Control means for permitting the operation of the washing and rinsing apparatus of a dishwashing machine only when the washing and rinsing chamber of the machine is closed. 2,605,776, Aug. 5.

Lyman, Joseph, and G. B. Litchford, Huntington, N. Y., assignors to The Sperry Corporation. Air traffic control system. 2,616,076, Oct. 28.

Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Single leaf spring suspension for automobiles. 2,615,710, Oct. 28.

Lyman, Kenneth E., Lake Forest, assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Transversely movable piston type clutch. 2,620,053, Dec. 2.

Lyman, Samuel E., Elizabeth, N. J., assignor to Buensod-Stacey, Incorporated, New York, N. Y. Air conditioning system. 2,620,983, Dec. 9.

Lyman, Wendell G., Brooklyn, assignor to D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y. Wheel test stand. 2,601,120, June 17.

Lyn-Chicago Corporation, assignee: *See*—
La Tour, Clifford S.

Lynall, Ezra H., Four Oakes, England. Production of tubular rivets and similar articles. 2,583,270, Jan. 22.

Lynam, John E.: *See*—
Brown, Leonard, and Lynam.

Lynam, John E., and L. Brown, Nottingham, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Straight bar knitting machine. 2,585,804, Feb. 12.

Lynam, John E., Mapperly, and L. Brown, Nottingham, assignors to William Cotton Limited, Loughborough, England. Machine for the manufacture of run-resistant knitted fabric. 2,593,041, Apr. 15.

Lynch, Charles S.: *See*—
Corner, Eugene S., and Lynch.
Corner, Eugene S., McGee, and Lynch.

Lynch, Charles S., Plainfield, N. J., assignor to Standard Oil Development Company. Reforming hydrocarbon gases in the presence of a magnesia catalyst. 2,593,584, Apr. 22.

Lynch, Charles S., Plainfield, and E. S. Corner, Maplewood, N. J., assignors to Standard Oil Development Company. Oxidation carrier for the oxidation of hydrocarbons. 2,588,260, Mar. 4.

Lynch Corporation, assignee: *See*—
Sandberg, Oscar.

Lynch, Edward E., Wakefield, Mass., assignor to General Electric Company. Compass controlled directional gyro. 2,590,780, Mar. 25.

Lynch, Granville W., Jr., and J. M. Fischer, Charleston, S. C. Salt shaker. 2,594,467, Apr. 29.

Lynch, Harold C., Flint, Mich., assignor to Whistle Stop Incorporated. Sales device. 2,619,865, Dec. 2.

Lynch, Harold F., and J. F. Smith, Phoenix, Ariz. Device for removing restorations from teeth. 2,591,451, Apr. 1.

Lynch, Lora H., Chicago, Ill. Home hospital unit for poliomyelitis victims and invalids. 2,591,082, Apr. 1.

Lynch Package Machinery Corporation, assignee: *See*—
Coon, Harold R., Sr., and Rapp.
Rapp, Earl J., and Coon.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Magnetic testing apparatus. 2,594,947, Apr. 29.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Electromechanical transducer unit. 2,594,948, Apr. 29.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Ceramic electromechanical transducer. 2,596,494, May 13.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Pivot structure for phonograph tone arms. 2,604,326, July 22.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Self-justifying printing device. 2,609,907, Sept. 9.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Phonograph pickup stylus holding device. 2,616,709, Nov. 4.

Lynd, William E., Corpus Christi, Tex., assignor to Lane-Wells Company, Los Angeles, Calif. Well packer. 2,618,340, Nov. 18.

Lyne, John L., Mariemont, assignor of one-half to C. P. Boggs, Cincinnati, Ohio. Ventilator. 2,620,126, Dec. 2.

Lynes, Inc., assignee: *See*—
Lynes, John.

Lynes, John, Houston, Tex., assignor to Lynes, Inc. Sealing off well formations. 2,603,293, July 15.

Lynes, John, assignor to Lynes, Inc., Houston, Tex. High pressure inflatable packer. 2,611,437, Sept. 23.

Lyness, Arthur A., Jr., Towson, and T. P. Kinn, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency induction heating apparatus. 2,623,983, Dec. 30.

Lyness, Horatio S.: *See*—
Lisbon, Joseph C., and Lyness.

Lynn, Anthony P., Elmhurst, Ill. Lipstick container. 2,609,093, Sept. 2.

Lynn, George W., Fowlerville, Mich. Trowel device for plastering machines. 2,618,149, Nov. 18.

Lynn, John E.: *See*—
Burnell, Maurice R., and Lynn.
Fluck, Linton A., and Lynn.

Lynn Products Co., assignee: *See*—
Pohle, Werner P.

Lynn, Ralph: *See*—
King, William N., Romanchuk, and Lynn.

Lynskey, Arthur, Martins Ferry, Ohio. Golf-tee holder. 2,593,042, Apr. 15.

Lyon, Calvin M.: *See*—
Azola, Joseph R., Lucius, Tate, and Lyon.

Lyon, Edmond H., assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Device for feeding closure caps to containers. 2,583,700, Jan. 29.

Lyon, Edna B., Detroit, Mich. Washing bag. 2,602,482, July 8.

Lyon, Floyd A.: *See*—
Halahan, John, Aronson, and Lyon.
Halahan, John, Lyon, Mortimer, and Aronson.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,581,424, Jan. 8.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,584,142, Feb. 5.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,597,880, May 27.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,601,309, June 24.

Lyon, George A., Allenhurst, N. J. Apparatus for making cartridge casing blanks or the like. 2,603,987, July 22.

Lyon, George A., Detroit, Mich. Wheel structure. 2,581,425, Jan. 8.

Lyon, George A., Detroit, Mich. Shoe. 2,582,910, Jan. 15.

Lyon, George A., Detroit, Mich. Wheel structure. 2,584,143, Feb. 5.

Lyon, George A., Detroit, Mich. Wheel structure. 2,592,584, Apr. 15.

Lyon, George A., Detroit, Mich. Making wheel covers. 2,597,010, May 20.

Lyon, George A., Detroit, Mich. Wheel cover structure. 2,597,881, May 27.

Lyon, George A., Detroit, Mich. Hubcap. 2,597,882. May 27.

Lyon, George A., Detroit, Mich. Wheel cover. 2,598,705, June 3.

Lyon, George A., Detroit, Mich. Wheel cover. 2,600,410, June 17.

Lyon, George A., Detroit, Mich. Wheel cover. 2,600,411, June 17.

Lyon, George A., Detroit, Mich. Wheel cover structure. 2,600,412, June 17.

Lyon, George A., Detroit, Mich. Wheel cover. 2,601,209, June 17.

Lyon, George A., Detroit, Mich. Wheel cover. 2,602,705, July 8.

Lyon, George A., Detroit, Mich. Wheel cover. 2,607,632, Aug. 19.

Lyon, George A., Detroit, Mich. Wheel structure. 2,607,633, Aug. 19.

Lyon, George A., Detroit, Mich. Wheel cover. 2,609,245, Sept. 2.

Lyon, George A., Detroit, Mich. Wheel cover. 2,609,246, Sept. 2.

Lyon, George A., Detroit, Mich. Method of and apparatus for making plastic tubing. 2,612,656, Oct. 7.

Lyon, George A., Detroit, Mich. Combination dish. 2,619,816, Dec. 2.

Lyon, George A., Detroit, Mich. Cooking vessel. 2,621,825, Dec. 16.

Lyon, George A., Detroit, Mich. Wheel cover. 2,621,978, Dec. 16.

Lyon, Harry H., Fontana, Calif. Device for expressing mercury from dental amalgam. 2,618,854, Nov. 25.

Lyon, Hyland, Los Angeles, Calif. Clutch type friction catch. 2,607,949, Aug. 26.

Lyon Industries, Inc., assignee: *See*—
Reynolds, Donald.

Lyon, James G., assignor of forty-nine per cent to J. J. Habib, Sr., Detroit, Mich. Wire container. 2,620,997, Dec. 9.

Lyon, Jesse D., Cincinnati, Ohio. Golf ball marking die. 2,603,146, July 15.

Lyon, John C.: *See*—
Watter, Michael, and Lyon.

Lyon, John C., Upper Darby, assignor to The Budd Company, Philadelphia, Pa. Berth operating means for railway sleeping cars. 2,592,924, Apr. 15.

Lyon, Joseph P., Jr., and A. A. Harban, Phillips, Tex., assignors to Phillips Petroleum Company. Purification of mercaptans. 2,581,493, Jan. 8.

Lyon, Leonard S., assignee: *See*—
Key, James F.

Lyon, Luther S.: *See*—
Lipic, Sylvester G., Boyle, and Lyon.

Lyon Metal Products, Incorporated, assignee: *See*—
Bales, James E., and Monaco.
O'Connor, John B.

Lyon, Richard N., Oak Ridge, Tenn., S. G. Bankoff, Nutley, N. J., and F. J. Smetana, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Receptacle. 2,621,912, Dec. 16.

Lyon, Waldo K., San Diego, Calif. Recording tide current meter. 2,592,583, Apr. 15.

Lyon, Waldo K., and R. M. Sherwood, San Diego, Calif. Sono-optical recorder for antisubmarine attack training. 2,590,878, Apr. 1.

Lyons, Allan J., Glendale, Calif. Headrest. 2,581,802, Jan. 8.

Lyons, Allan J., Glendale, Calif. Sprinkler. 2,600,554, June 17.

Lyons, Edmund A., Brooklyn, N. Y. Venetian blind. 2,593,684, Apr. 22.

Lyons, Francis P.: *See*—
Cox, Thomas K., and Lyons.

Lyons, George W., North Guilford, Conn. Prefabricated stair. 2,593,683, Apr. 22.

Lyons, George W., Jr., West Haven, and J. M. Lyons, North Guilford, Conn. Supporting means for hinged covers. 2,603,819, July 22.

Lyons, George W., Jr., West Haven, and R. J. Lyons, North Guilford, Conn. Hinged cover for bulkheads. 2,605,494, Aug. 5.

Lyons, J., and Company Limited, assignee: *See*—
Babb, Alfred T. S.

Lyons, J., & Company Limited, assignee: *See*—
Hendrick, Walter T. S.

Lyons, John M.: *See*—
Lyons, George W., Jr., and J. M. Lyons.

Lyons, Lloyd F., Los Angeles, Calif. Seat for golf carts. 2,599,928, June 10.

Lyons, Lucy M., Newark, N. J. Culinary utensil. 2,595,684, May 6.

Lyons, Robert J.: *See*—
Lyons, George W., Jr., and R. J. Lyons.

Lyons, Walter: *See*—
Kahn, Leonard R., and Lyons.

Lyons, Walter, Bayside, N. Y., assignor to Radio Corporation of America. Signal selecting means. 2,604,587, July 22.

Lyophile-Cryochem Corporation, assignee: *See*—
Flosdorf, Earl W.

Lysak, John, Newark, N. J., assignor to Radio Corporation of America. Making seals for coaxial electron discharge devices. 2,603,915, July 22.

Lysen, Kermit V., Willmar, Minn. Fishhook. 2,583,863, Jan. 29.

Lyseng, Cameron R.: *See*—
Hansen, Donald A., and Lyseng.

Lysholm, Alf, Stockholm, Sweden. Gas turbine power plant having means for joint control of the fuel and the air supply. 2,613,500, Oct. 14.

Lysholm, Alf, Stockholm, Sweden. Gas turbine propulsion unit for aircraft. 2,620,626, Dec. 9.

Lysikowski, Carl A., Cleveland, Ohio. Trolling sinker. 2,589,715, Mar. 18.

Lysobey, John, Norwalk, Conn. Wall treatment of tubing. 2,600,254, June 10.

Lytle, Chester W., and F. Nienaber, Chicago, Ill., assignors, by mesne assignments, to Lytle Engineering & Mfg. Co. Tuner for radio and television receivers and the like. 2,594,667, Apr. 29.

Lytle Engineering & Mfg. Co., assignee: *See*—
Lytle, Chester W., and Nienaber.
Washburn, Neil E.

Lytle, Lawrence D.: *See*—
Bluemmel, Francis P., and Lytle.
Keller, Jacob L., and Lytle.

Lytle, Lawrence D., Plainfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Producing noncrystallizing copper phthalocyanine. 2,615,026, Oct. 21.

Lytle, Melba L.: *See*—
Caldwell, Joseph A., and Lytle.

Lytle, Melba L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Inhibiting corrosion in oil wells. 2,614,980, Oct. 21.

Lytle, Melba L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Inhibiting corrosion in oil wells. 2,614,981, Oct. 21.

Lytle, Orville C., assignor of one-half to William H. Campbell, Kittanning, Pa. Laterally adjustable oscillating hoe. 2,580,936, Jan. 1.

Lytle, Orville C., Kittanning, Pa. Hoe attachment for tractors. 2,604,833, July 29.

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Transparent conducting films. 2,583,000, Jan. 22.

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Applying electroconductive films. 2,614,944, Oct. 21.

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Electroconductive article and production thereof. 2,617,741, Nov. 11.

Lyttle, Douglas A.: *See*—
Weisblat, David I., and Lyttle.

Lytton, Marion R., West Chester, assignor, by mesne assignments, to The Chemstrand Corporation, Philadelphia, Pa. Copolymers of acrylonitrile and amine oxides. 2,586,238, Feb. 19.

Lytton, Marion R., West Chester, Pa., assignor, by mesne assignments, to The Chemstrand Corporation, Decatur, Ala. Copolymers from quaternary salts of butene-1 derivatives. 2,617,781, Nov. 11.

M B G Corporation, assignee: *See*—
Mitchell, Wallace F.

M B Manufacturing Company, Inc., The, assignee: *See*—
Stirnkorb, Fred E.

M and B Metal Products Company, assignee: *See*—
Brekle, Oliver R.

M. E. P. Company Limited, assignee: *See*—
Guthrie, Charles G.

M & J Engineering Co., assignee: *See*—
Annin, Douglas H.
Witt, Richard M.

M-M & M Engineering and Research Corporation, Inc., assignee: *See*—
Malouf, William M.

M. and M. Wood Working Company, assignee: *See*—
Malarkey, James H.
Pasquier, Michel.
M-O Valve Company, Limited, The, assignee: *See*—
Bell, James.
Willshaw, William E.
M & W Company, Inc., assignee: *See*—
Massier, Abraham I.
Maag, John R., San Francisco, Calif. Bumper. 2,593,586, Apr. 22.
Maag, Max, Zurich, Switzerland. Internal dimension gauge. 2,591,452, Apr. 1.
Maag, Max, Zurich, Switzerland. External caliper with demountable frame. 2,591,453, Apr. 1.
Maag-Zahnrader und Maschinen Aktiengesellschaft, assignee: *See*—
Aeppli, Albert.
Müller, Karl.
Maar, Zvonko, Rome, Italy. Mechanism for utilizing secondary movements arising on running vehicles. 2,593,467, Apr. 22.
Maar, Zvonko, Rome, Italy. Timepiece winding device. 2,593,685, Apr. 22.
Maar, Zvonko, Rome, Italy. Driving mechanism for timepieces in vehicles. 2,618,117, Nov. 18.
Maar, Zvonko, Zurich, Switzerland. Self-winding timepiece for vehicles. 2,593,686, Apr. 22.
Maas, Edmund W., Forest Park, Ill. Child's pull cart. 2,582,143, Jan. 8.
Maas, Leonhard A., Trenton, assignor to The Smith Bearing Company, Inc., Orange, N. J. Bearing assembly. 2,583,382, Jan. 22.
Maas, Louis J., Detroit, Mich. Key holder. 2,610,501, Sept. 16.
Maas-Rowe Electromusic Corporation, assignee: *See*—
Rowe, Paul H.
Maas, Wesley E., Rockford, Ill. Dental floss holder. 2,607,358, Aug. 19.
Maasdam, Abraham G., Steamboat Springs, Colo. Wire gripping clamp. 2,607,095, Aug. 19.
Maaskant, Leendert, assignor to N. V. Ondersoekingsinstituut Research, Arnhem, Netherlands. Spinning solutions of rubber. 2,605,507, Aug. 5.
Maass, William T., Chicago Heights, Ill. Bookkeeping device. 2,590,259, Mar. 25.
Maat, Marinus, Paramaribo, Dutch West Indies. Vehicle drive control mechanism. 2,580,449, Jan. 1.
Maatschappij voor Kolenbewerking Stamicarbon N. V., assignee: *See*—
Fontein, Freerk J.
Leeman, Jan N. J.
Mabee, Ralph H., Des Moines, Iowa. Device for holding outboard motors to boats. 2,592,925, Apr. 15.
Maben, Malcolm R., trustee, assignee: *See*—
Campbell, Rodney B.
Mabrey, Lawson C., Tulsa, Okla. Rotary impact delivery means for socket wrenches. 2,585,333, Feb. 12.
MacAfee, Merrill W., Los Angeles, Calif., assignor to The Dorr Company, Stamford, Conn. Oil field wash tank. 2,596,575, May 13.
Macaluso, Francis L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impedance matching apparatus. 2,615,947, Oct. 28.
Macaluso, Pat, Bronxville, assignor to Foster D. Snell, Inc., New York, N. Y. Making rigid foam composition. 2,584,082, Jan. 29.
MacAndrews and Forbes Company, assignee: *See*—
Kalkstein, Samuel I.
Macardler, Louis P., Lyon, assignor to Compagnie Generale d'Electricite, Paris, France. Terminal bushing with thin paper insulation. 2,606,950, Aug. 12.
Macario, Thomas M.: *See*—
Dalton, Harry, Jr., and Macario.
Macarthur, George D., Glendale, Calif. Opacity sensing device. 2,614,453, Oct. 21.
MacArthur, William A., Long Beach, Calif. Power-driven taper cutting saw. 2,587,054, Feb. 26.
Macaulay, John L., and A. Dal Favero, Corte Madera, Calif. Copyholder. 2,612,865, Oct. 7.
Macaulay, Malcolm: *See*—
Rohrback, Gilson H., Stoner, Macaulay, and Cardwell.
Standing, Marshall B., Yaplee, and Macaulay.
Macbeth, Albert C., Seattle, Wash. Instrument for measuring pupillary distances. 2,596,264, May 13.
Macbeth, Allan, Fernhurst, England. Scaffolding clip or clamp. 2,597,649, May 20.
Macbeth Engineering Corporation, assignee: *See*—
McBeth, Freeman M.
Maccaferri, Mario: *See*—
Nettler, Stanley, and Maccaferri.
Maccaferri, Mario, Rye, N. Y. Clip for clothes racks. 2,583,784, Jan. 29.
Maccaferri, Mario, Rye, N. Y. Stringed musical instrument. 2,597,154, May 20.
Maccaferri, Mario, Rye, assignor to French American Reeds Manufacturing Co., Inc., New York, N. Y. Bridges for stringed musical instruments. 2,614,448, Oct. 21.
MacCallum, Alan M.: *See*—
Noxon, Paul A., MacCallum, and Bennett.
MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering system. 2,589,834, Mar. 18.
MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Trim tab servomotor control. 2,594,326, Apr. 29.
MacCallum, Alan M., Plainfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Control signal generator. 2,606,944, Aug. 12.
MacCallum, Alan M., Maywood, and W. Hargreaves, Bergenfield, assignors to Bendix Aviation Corporation, Teterboro, N. J. Induction motor control system. 2,608,676, Aug. 26.
MacCallum, Alan M., Maywood, N. J., and S. L. Baring-Gould, New York, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Navigation system. 2,611,190, Sept. 23.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Method of and apparatus for binding boxes. 2,612,833, Oct. 7.
MacChesney, Chester M., and E. B. Wenger, assignors to Ellamac Incorporated, Chicago, Ill. Phonetic sound-producing dictionary apparatus. 2,603,006, July 15.
MacCheyne, George W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Ratchet wrench. 2,608,-119, Aug. 26.
Macco Oil Tool Company, assignee: *See*—
Carlisle, Willis C., and McCarvell.
MacCormack, John G., assignor to Vanton Pump Corporation, New York, N. Y. Pump. 2,585,949, Feb. 19.
MacCracken, Calvin D., New Rochelle, assignor to Jet-Heet, Inc., New York, N. Y. Heater for enclosed spaces. 2,611,599, Sept. 23.
MacCracken, Calvin D., New Rochelle, assignor to Jet-Heet, Inc., New York, N. Y. Diffuser. 2,613,587, Oct. 14.
MacCracken, Calvin D., New Rochelle, N. Y., and C. W. Wood, Nutley, assignors to Jet-Heet, Inc., Englewood, N. J. Fuel oil control system. 2,590,111, Mar. 25.
MacCracken, Calvin D., Tenafly, N. J., and C. W. Wood, Dayton, Ohio, assignors to Jet-Heet, Inc., Englewood, N. J. Temperature-responsive throttling valve. 2,590,112, Mar. 25.
MacCracken, William P., Jr., trustee, assignee: *See*—
Broussard, Robert.
Macdonald, Alexander J., Buffalo, N. Y., assignor to National Steel Corporation. Blast furnace. 2,585,394, Feb. 12.
Macdonald, Angus S., assignor, by mesne assignments, to Angus Snead Macdonald Corporation, Orange, Va. Building structure. 2,616,529, Nov. 4.
Macdonald, Angus Snead, Corporation, assignee: *See*—
Macdonald, Angus S.
MacDonald, Chester R., Ramsey, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Apparatus for applying an aqueous bituminous emulsion to a fibrous web. 2,622,313, Dec. 23.
MacDonald, Chester R., Ramsey, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Making multiply waterproofed sheets. 2,622,491, Dec. 23.
Macdonald, David E., Stockton, Calif. Universally movable magnetic eye. 2,618,890, Nov. 25.
MacDonald, Dennison H., East Haven, assignor to Revere Corporation of America, Wallingford, Conn. Float-switch assembly. 2,616,003, Oct. 28.
MacDonald, Dennison H., East Haven, and E. A. Poe, Millford, assignors to Revere Corporation of America, Wallingford, Conn. Fluid-flow responsive electrical switch device. 2,600,011, June 10.
MacDonald, Dennison H., East Haven, and E. A. Poe, Millford, assignors to Revere Corporation of America, Wallingford, Conn. Flow-responsive electrical switch means. 2,600,309, June 10.
MacDougall, Donald J.: *See*—
Cade, Phillip J., and MacDougall.
MacDougall, Franklin M., Kirkwood, assignor to Alco Valve Company, University City, Mo. Self-equalizing thermal valve. 2,605,050, July 29.
MacDonald, Frederick W., and A. Lavrino, assignors to Wheel Truing Brake Shoe Company, Detroit, Mich. Wheel truing brake shoe. 2,597,883, May 27.
MacDonald, Gilmour C., Ames, Iowa. Controllable rocket thrust device. 2,613,497, Oct. 14.
MacDonald, Gilmour C., Ames, Iowa. Fire extinguisher. 2,618,347, Nov. 18.
MacDonald, Harry F., Spokane, Wash. Air heater. 2,606,992, Aug. 12.
MacDonald, James R., assignor to Columbia Records Inc., Bridgeport, Conn. Phonograph record cutting machine. 2,584,479, Feb. 5.
MacDonald, Leslie A., Bellerose, and R. B. Mancke, Green Acres, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Single pulse generator. 2,585,805, Feb. 12.
Macdonald, Lester S.: *See*—
Ewart, John M., and Macdonald.
Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,589,412, Mar. 18.
Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,605,484, Aug. 5.
MacDonald, Raymore D., La Grange, assignor to Athey Products Corporation, Chicago, Ill. Rail lifter. 2,598,277, May 27.

MacDonald, Robert: *See*—
Clifford, Harry W., and MacDonald.
MacDonald, Robert N., New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Modification of synthetic alpha-amino acid polymers by means of N-substituted alpha-amino acid N-carboanhydrides. 2,592,446, Apr. 8.
MacDonald, Robert N., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Initiation by ammonia or amines of amino acid N-carboanhydride condensation polymerization. 2,592,447, Apr. 8.
MacDonald, Robert N., assignor to E. I. du Pont de Nemours and company, Wilmington, Del. Alpha-amino, 4,6,6-trimethyl heptanoic acid. 2,612,521, Sept. 30.
MacDonald, Robert T.: *See*—
Julian, Percy L., Circle, and MacDonald.
MacDonald, Waldron S.: *See*—
Park, Robert H., Russell, MacDonald, and Crookston.
Macdonald, William R., Glen Cove, N. Y. Switch for centrifugal oil and water separators. 2,593,043, Apr. 15.
MacDonald, William W., San Francisco, assignor to Peterbilt Motors Company, Oakland, Calif. Free lift hoist. 2,618,360, Nov. 18.
Macdonell, Roderick N., North Miami, Fla. Abrasive holding hand tool. 2,605,594, Aug. 5.
MacDougall, Donald J.: *See*—
Cade, Phillip J., and MacDougall.
MacDougall, Duncan P.: *See*—
Kistiakowsky, George B., MacDougall, Eyster, and Weltman.
MacDougall, Franklin M., Kirkwood, assignor to Alco Valve Company, University City, Mo. Hot-gas valve. 2,596,036, May 6.
MacDougall, Robert: *See*—
Prince, Earl S., and MacDougall.
MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Steering gear construction. 2,587,495, Feb. 26.
MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Steering mechanism. 2,605,854, Aug. 5.
Mace, Andrew Y.: *See*—
Lowry, Erwin F., and Mace.
Mace, James W., assignor of one-half to W. C. Young, and one-half to H. Young, Rainier, Oreg. Animal trap. 2,587,349, Feb. 26.
Macedo, Alvin J., Oakland, Calif., assignor to Transocean Air Lines. Tie-down means for seats, cargo, and the like. 2,622,298, Dec. 23.
Macerata, Stelio, Johannesburg, Transvaal, Union of South Africa. Manufacturing prestressed concrete structural members. 2,596,495, May 13.
Macey, Edward T.: *See*—
Sabel, Edward R., and Macey.
Macey, John, Buffalo, N. Y. Dispensing bottle stopper. 2,598,403, May 27.
Macey, Joseph H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrical-conductive rubbery composition and making same. 2,597,741, May 20.
MacFarland, Charles H., assignor to Scott & Fetzer Company, Cleveland, Ohio. Vacuum cleaner nozzle brush attachment. 2,594,189, Apr. 22.
MacFarland, Charles H., assignor to The Scott & Fetzer Company, Cleveland, Ohio. Deodorizer. 2,598,129, May 27.
MacFarland, Charles H., assignor to The Scott & Fetzer Company, Cleveland, Ohio. Extensible cord for electrical appliance. 2,607,863, Aug. 19.
MacFarland, Ruth P., Rocky River, Ohio. Storage device for vacuum cleaner and appurtenances. 2,603,816, July 22.
Macfarlane, James C. and W. I., Cathcart, Glasgow, Scotland. Synchronous dynamoelectric machine. 2,585,145, Feb. 12.
Macfarlane, William I.: *See*—
Macfarlane, James C. and W. I.
Macgeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Pressure flowmeter. 2,609,831, Sept. 9.
Macgeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Weighing system. 2,610,052, Sept. 9.
Macgeorge, William D., Havertown, and C. E. Roessler, Jr., assignors to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Plural scale indicator. 2,599,005, June 3.
MacGillivary, John V., El Monte, assignor of ten per cent to A. R. King, Hollywood, Calif. Wrist watch compact. 2,601,158, June 17.
MacGlashan, William F., Jr.: *See*—
Margraf, Harry J., and MacGlashan.
MacGlashan, William F., Jr., Alhambra, Calif., assignor to United States of America as represented by the Secretary of the Army. Valved pipe coupling. 2,612,389, Sept. 30.
MacGregor, David: *See*—
Markel, Michael A., and MacGregor.
MacGregor, David, assignor to Edward Valves, Incorporated, East Chicago, Ind. Valve construction. 2,621,016, Dec. 9.
MacGregor, David, Munster, Ind., assignor to Edward Valves, Inc. Valve construction. 2,621,015, Dec. 9.
MacGregor, David, Munster, assignor to Edward Valves Incorporated, East Chicago, Ind. Valve construction. 2,622,763, Dec. 23.
MacGregor, Elizabeth, Clearwater, Fla. Combing and cutting implement. 2,613,477, Oct. 14.
MacGregor, Forbes: *See*—
Trumbour, George P., and MacGregor.
MacGregor Instrument Company, assignee: *See*—
Trumbour, George P., and MacGregor.
MacGregor, Joseph, Whitley Bay, England. Ship's hatch cover. 2,590,985, Apr. 1.
Machado, Anthony B., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Decimal point indicator for calculating machines. 2,615,632, Oct. 28.
Machado, Anthony B., and G. Plunkett, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer control mechanism. 2,597,507, May 20.
Machálek, Ferdinand, Blatno, Czechoslovakia. String instrument. 2,614,449, Oct. 21.
MacHarg, James A., Gosforth, Newcastle-on-Tyne, England. Display device. 2,614,352, Oct. 21.
MacHenry, Richard, Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Seamless molded fabric breast receiving and supporting members and molding them. 2,617,102, Nov. 11.
MacHenry, Richard, Prospect Park, and C. A. Martin, Boothwyn Heights, Pa., assignors to American Viscose Corporation, Wilmington, Del. Bra forming device. 2,580,566, Jan. 1.
Machinefabriek Kiekens, N. V., assignee: *See*—
Sher, Alfred, and Vet.
Machinery Development Corporation, assignee: *See*—
Taylor, David L.
Machines Automatiques Bardet (Societe Anonyme), assignee: *See*—
Total, Henri.
Machine Tool Works Oerlikon, Administration Company, assignee: *See*—
Apotheloz, Robert.
Keller, Siegfried.
Lippert, Hanns, and Hepperle.
Schälkli, Otto.
Schnellmann, Oskar.
Stadelmann, Rudolf.
Machlett Laboratories Incorporated, assignee: *See*—
Doolittle, Howard D.
Leonard, George H.
Machlis, Samuel: *See*—
Michaels, Edwin B., and Machlis.
Machlis, Samuel, New Rochelle, N. Y., and E. B. Michaels, assignors to The Stamford Chemical Company, Stamford, Conn. Phosphate detergent composition in homogeneous liquid form. 2,581,677, Jan. 8.
Machroll, Pascal, Oak Park, Ill. Detachable securing mechanism for Venetian blind lifting cords. 2,602,503, July 8.
MacHutchin, John G., and L. C. Watson, Deep River, Ontario, assignors to National Research Council, Ottawa, Ontario, Canada. Recovery of radioactive phosphorus from neutron irradiated sulfur. 2,621,110, Dec. 9.
Maciejowski, John J., Ipswich, and F. T. MacKenzie, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of insoles. 2,611,912, Sept. 30.
MacInnes, Callum A.: *See*—
Rigby, Charles H., and MacInnes.
MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treatment of fluoric effluents to obtain magnesium silicofluoride and/or hydrofluoric acid. 2,584,894, Feb. 5.
MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treatment of fluoric effluents to obtain ammonium fluoride. 2,584,895, Feb. 5.
MacIntyre, John A., Bristol, R. I. Acoustical cloth. 2,613,696, Oct. 14.
Mack, Albert C., East Cleveland, Ohio. Faucet. 2,607,598, Aug. 19.
Mack, Charles, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Elastic and fibrous building composition. 2,585,806, Feb. 12.
Mack, Edward W.: *See*—
Cahenzli, Martin T., Jr., and Mack.
Mack, Gerry P., Jackson Heights, assignor to Advance Solvents & Chemical Corporation, New York, N. Y. Compositions comprising a polyvinyl chloride resin stabilized with organo-tin complex compounds. 2,604,460, July 22.
Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Halogen-containing resins stabilized with polymeric organo-tin dialkoxides. 2,592,926, Apr. 15.
Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Organo-tin compounds. 2,604,483, July 22.
Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Resins stabilized with organotinsulfonamides. 2,618,625, Nov. 18.

Mack, Louis P., and R. A. Winters, Chicago, Ill., said Winters assignor to said Mack. Truss. 2,609,815, Sept. 9.

Mack Manufacturing Corporation, assignee: *See*—
Soper, Guy E., and Christenson.

Mackay, Eric G., Hawthorn, Victoria, Australia. Magneto ignition system for internal-combustion engines. 2,612,886, Oct. 7.

Mackay, Eric G., Hawthorn, Victoria, Australia. Ignition system for internal-combustion and like engines. 2,612,887, Oct. 7.

MacKay, Irwin A.: *See*—
Sweeney, John F., Able, and MacKay.

Mackay, John D. M., West Kilbride, and A. W. S. Clark, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Spinneret and its production. 2,623,241, Dec. 30.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Guanidine synthesis. 2,590,257, Mar. 25.

Mackay, Margaret E., and R. A. Kekwick, assignors to National Research Development Corporation, London, England. Extracting of globulins. 2,606,180, Aug. 5.

Mackechnie, James G., Jr., Springfield, Mass. Wire stitching apparatus. 2,585,807, Feb. 12.

Mackechnie, James G., Jr., Springfield, Mass. Laundry sorting apparatus. 2,589,561, Mar. 18.

MacKellar, Donald G.: *See*—
Greenspan, Frank P., and MacKellar.

MacKendrick, David B., New York, N. Y. Electric heating pad. 2,617,011, Nov. 4.

MacKenzie, Charles A.: *See*—
Spialter, Leonard, and MacKenzie.

MacKenzie, Charles A., New Orleans, La., and M. Schoffman, Brooklyn, N. Y., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Polymerizing silicon acylates. 2,623,832, Dec. 30.

Mackenzie, Dorothy E.: *See*—
Wolfe, George H., and Mackenzie.

Mackenzie, Dorothy E., and G. H. Wolfe, Reno, Nev. Making combustible gas for use in internal-combustion engines. 2,594,468, Apr. 29.

MacKenzie, Douglas M., Toronto, Ontario, Canada. Clothesline connector and tightener. 2,597,351, May 20.

MacKenzie, Douglas M., Toronto, Ontario, Canada. Strand separating and cleaning device for twisted clotheslines. 2,598,404, May 27.

MacKenzie, Fred T.: *See*—
Maciejowski, John J., and MacKenzie.

MacKenzie, Fred T., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Controlling means for power-operated machines. 2,608,702, Sept. 2.

MacKenzie, Harry D.: *See*—
Borglin, Ernest O., and MacKenzie.

MacKenzie, Ritchie A., Seattle, Wash. Remote-controlled toy bulldozer. 2,586,239, Feb. 19.

MacKenzie, William, assignor to Scottish Seaweed Research Association, Edinburgh, Scotland. Apparatus for harvesting seaweed underwater. 2,610,459, Sept. 16.

MacKenzie, William E., South Croydon, England. Wrapping machine for lightly compressed granules. 2,590,427, Mar. 25.

MacKenzie, William E., South Croydon, England. Cartoning machine. 2,605,598, Aug. 5.

Mackereth, Edward J., Toronto, Ontario, Canada. Transformer. 2,604,519, July 22.

Mackey, Avis O., Homer, N. Y. Coat hanger. 2,587,743, Mar. 4.

Mackey, Charles O.: *See*—
Rogers, Gardiner M., and Mackey.

Mackey, Donald: *See*—
Achenbach, John C., Tourshou, and Mackey.
Sass, Earl J., and Mackey.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Variable inductance device. 2,584,723, Feb. 5.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Frequency discriminator network. 2,606,250, Aug. 5.

Mackey, Donald, Haddon Heights, and A. G. Lazzery, Oaklyn, N. J., assignors to Radio Corporation of America. Fastening device. 2,610,012, Sept. 9.

Mackie-Lovejoy Manufacturing Co., assignee: *See*—
Crockett, William P., Jr.

Macklewicz, Maria, New York, N. Y. Flapping wing flier for individual flying. 2,611,558, Sept. 23.

MacKimmie, George B., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Radio-frequency phase shift network. 2,584,600, Feb. 5.

MacKinnon, John H., assignee: *See*—
Haston, John L.

MacKinnon, William E.: *See*—
Stevenson, William G., and MacKinnon.

Macklanburg, Louis A., Oklahoma City, Okla. Sash balance. 2,589,413, Mar. 18.

Macklin, Justin W., trustee, assignee: *See*—
Tegarty, John B.

Macklin, Richard L., Oak Ridge, Tenn., assignor of one-half to J. M. Clark, Jamaica, N. Y. Fractional separation of crystalline solids. 2,620,263, Dec. 2.

Mackmann, Arthur, and B. S. Nelson, assignors to Foote Bros. Gear and Machine Corporation, Chicago, Ill. System of toothed gearing. 2,619,845, Dec. 2.

Macksoud, Michel E., Flushing, N. Y. Pocket sun health lamp. 2,615,120, Oct. 21.

Macksoud, Michel E., Newburyport, Mass., assignor to Cooper-Hewitt Electric Company, Hoboken, N. J. Thermostatic switch. 2,615,146, Oct. 21.

Mackta, Leo, Brooklyn, N. Y. High voltage measuring apparatus. 2,615,934, Oct. 28.

Mackta, Leo, Brooklyn, N. Y. Breech mechanism for guns having replaceable liner. 2,618,877, Nov. 25.

MacLaren, Frederick H.: *See*—
Duchon, Karman, and MacLaren.

MacLaurin, Robert D., and W. O. Israel, Lakewood, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Viscose spinning solution. 2,593,466, Apr. 22.

Maclay, William R., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Safety device for rotary motors. 2,586,968, Feb. 26.

MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America. Reaction apparatus. 2,583,110, Jan. 22.

MacLean, Alexander F., Robstown, and D. E. Pickart, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Production of aliphatic nitriles. 2,590,986, Apr. 1.

MacLean, Alexander F., Robstown, and D. E. Pickart, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Production of acrylonitrile. 2,621,204, Dec. 9.

MacLean, John B., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Fuse. 2,593,775, Apr. 22.

MacLean, Thomas T., assignor to Anglo-Iranian Oil Company Limited, London, England. Face mask for protection against dust and the like. 2,591,953, Apr. 8.

Macleish, Kenneth G., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic focusing arrangement. 2,596,702, May 13.

MacLelland, Willis G.: *See*—
Snyder, Clermont J., and MacLelland.

Maclennan, William H., and E. C. Clark, Norton-on-Tees, and W. J. D. Lowrie, deceased (by M. Lowrie, executrix), Middlesbrough, England, assignors to Imperial Chemical Industries Limited. Handling of building boards. 2,623,627, Dec. 30.

MacLeod, Norman A., Altadena, Calif. Method and apparatus for centrifugal elutriation. 2,616,619, Nov. 4.

MacMasters, Majel M., P. Baird, and C. E. Rist, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Corn milling test. 2,592,585, Apr. 15.

MacMasters, Majel M., and V. E. Hoglund, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of starch sponge. 2,597,011, May 20.

MacMeans, Marshall H., Bedford, and C. J. Oberdoerster, University Heights, Ohio, assignors to United States Steel Company. Automatic feed for die machining apparatus. 2,621,448, Dec. 16.

MacMillin Engineering Corporation, assignee: *See*—
Waldie, George A., and MacMillin.

MacMillin, Howard F.: *See*—
Waldie, George A., and MacMillin.

MacMullen, Clinton W., Fayetteville, N. Y., assignor to Cowles Chemical Company, Cleveland, Ohio. Making alkali metal salts of organosiloxanols and organosilanetriols. 2,587,636, Mar. 4.

MacNamara, Clifford J.: *See*—
Kingsley, David G., and MacNamara.

MacNeil, Charles S. J.: *See*—
Blanchard, Werner J., Haines, Martin, and MacNeil.

MacNeil, Elise M., administratrix: *See*—
Blanchard, Werner J., Haines, Martin, and MacNeil.

Macneil, William E.: *See*—
Batchelder, George E., and Macneil.

MacNeille, Stephen M., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Vacuum system leak detector. 2,600,801, June 17.

Macnelsh, Thomas S., Pointe a Pierre, Trinidad, British West Indies. Liquid metering device. 2,582,387, Jan. 15.

MacNeny, George A., Hempstead, N. Y. Bed construction. 2,620,492, Dec. 9.

MacNichol, Edward F., Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Decoding device. 2,597,352, May 20.

MacNichol, Edward F., Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sweep and range circuit. 2,597,353, May 20.

Macomber, Stanley, North Canton, Ohio. Double V stud section. 2,610,711, Sept. 16.

Macoy, Eugene W.: *See*—
Odquist, Harold T., and Macoy.

MacPhee, Paul A., assignor to The National Cash Register Company, Dayton, Ohio. Fluid dispensing container. 2,603,387, July 15.

MacPherson, Earle S., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Rotation permitting assembly for poppet valves. 2,590,719, Mar. 25.

Macpherson, Robert B., assignor to Trico Products Corporation, Buffalo, N. Y. Connector for windshield wiper blades. 2,618,806, Nov. 25.

Macpherson, Ronald H., Woodbury, N. J., assignor to General Electric Company. Electronic relay arrangement for protecting power systems. 2,581,196, Jan. 1.

MacQuaker, Gordon R.: *See*—
Pantin, John, and MacQuaker.

MacRae, Charles B.: *See*—
Havemann, Robert A., Bruce, and MacRae.

MacRae, Duncan, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Phase detector circuit. 2,582,596, Jan. 15.

MacRae, William R. S., Sydney, New South Wales, Australia, and A. R. Knejbler, assignors to Cooper's Incorporated, Kenosha, Wis. Sport shorts. 2,599,769, June 10.

Macrides, Philip C., Troy, and M. Solomon, Albany, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Necktie construction. 2,621,332, Dec. 16.

Macripo, Peter D., Allentown, Pa. Strip holder. 2,591,844, Apr. 8.

Macrow, Lawrence, Glenside, Pa., assignor to Carrier Corporation, Syracuse, N. Y. Ventilation system for boarding machines. 2,614,336, Oct. 21.

MacSorley, Olin L.: *See*—
Robinson, Harris A., and MacSorley.

MacSorley, Olin L., Collingswood, N. J., assignor to Radio Corporation of America. Wide-rang high stability frequency generating system. 2,581,594, Jan. 8.

MacSorley, Olin L., Collingswood, N. J., assignor to Radio Corporation of America. Voltage selective amplifier. 2,600,120, June 10.

MacSorley, Olin L., Collingswood, N. J., assignor to Radio Corporation of America. Variable frequency counter. 2,604,263, July 22.

MacSpadden, Chester H., Ephrata, Wash. Clothes hanger. 2,596,576, May 13.

Maculan, Rudolf, Vienna, Austria, assignor to Baumat A. G., Zurich, Switzerland. Producing hollow ceramic bodies. 2,599,268, June 3.

Macune, Charles W.: *See*—
Basham, Raymond B., and Macune.

MacVeigh, James, assignor to Patentes Talgo, S. A., Madrid, Spain. Articulated railway vehicle. 2,606,505, Aug. 12.

MacVeigh, James, New York, N. Y., assignor to Patentes Talgo, S. A., Madrid, Spain. Railway vehicle. 2,604,857, July 29.

MacVeigh, James J. P.: *See*—
Omar, Alejandro G., de Oriol y Urquijo, and MacVeigh.

MacWilliam, Wallace, Boonton, assignor to Eclipse Air Brush Co., Newark, N. J. Apparatus for spraying rotating radial surfaces. 2,613,635, Oct. 14.

MacWilliam, Wallace, Boonton, assignor to Eclipse Air Brush Co., Newark, N. J. Spraying rotating radial surfaces. 2,620,284, Dec. 2.

Macy, James C.: *See*—
Frank, Joseph J., and Macy.

Macy, James C., Elizabeth, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector. 2,600,012, June 10.

Macy, Rudolph, Baltimore, Md., B. L. Harris, and J. W. Eastes, U. S. Army, assignors to the United States of America as represented by the Secretary of War. Vesicant. 2,604,428, July 22.

Madden, Henry I., Marietta, Ga., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Line-sectionalized equipment. 2,605,324, July 29.

Madden, James J., Woodhaven, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preset type impulse-sender. 2,594,949, Apr. 29.

Madden, Sydney W., Chicago, Ill. Audible railroad crossing warning signal. 2,592,163, Apr. 8.

Madder, Harold B., assignor to O. W. Sanders, Houston, Tex. Hoist swivel. 2,594,950, Apr. 29.

Maddock-Clegg, Lawrence H., Birmingham, and O. D. Penzig, Sutton Coldfield, assignors to Fisher & Ludlow Limited, Birmingham, England. Thermostatic mixer for washing machines. 2,619,284, Nov. 25.

Maddox, Claude, Flemingsburg, Ky. Castrating band applying tool. 2,582,640, Jan. 15.

Maddox, Gerald H., Lincoln, Nebr. Tire pressure indicator. 2,621,274, Dec. 9.

Maddox, Ralph A., Los Angeles, Calif. Typewriter bail. 2,616,546, Nov. 4.

Maddux, Eddy A., Wichita, Kans. Artificial fish lure. 2,619,760, Dec. 2.

Madeira, John R., assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer loading station. 2,606,646, Aug. 12.

Madeira, John R., assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer belt support. 2,619,221, Nov. 25.

Madeira, Percy C., Jr., executor: *See*—
Stokes, John S.

Mader, Stewart S., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,610,448, Sept. 16.

Madgwick, Frederick K., Upper Darby, and J. A. Silvaggio, Philadelphia, Pa. Web feeding means for cutting machines. 2,593,585, Apr. 22.

Madigan, John J., assignor of one-half to P. M. Thomas, Akron, Ohio. Tractor-trailer coupling mechanism. 2,623,753, Dec. 30.

Madison, Martin J., Takoma Park, Md. Surveyor's level. 2,602,231, July 8.

Madison Mixers, Inc., assignee: *See*—
Ash, James O.

Madison, Ralph E.: *See*—
Nelson, Clare R., and Madison.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Weather-tight sliding car door. 2,580,804, Jan. 1.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Water-tight edge for railway car doors. 2,587,868, Mar. 4.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Weather-tight sliding car door. 2,588,134, Mar. 4.

Madlé, Alain M., deceased, Milwaukee, Wis., by D. H. Madlé, administratrix, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Current generating device. 2,605,753, Aug. 5.

Madlé, Dorothy H., administratrix: *See*—
Madlé, Alain M.

Madore, Arthur H., Los Angeles, Calif. Hair curler. 2,582,550, Jan. 15.

Madsen, Alvin R., Rupert, Idaho. Bean and pea plant cutter. 2,614,376, Oct. 21.

Madsen, Anna K. C. A. B.: *See*—
Madsen, Valdemar B. and A. K. C. A. B.

Madsen, Arild C., Aberdeen, S. Dak. Spinning sounding toy. 2,591,954, Apr. 8.

Madsen, Borge, Copenhagen, Denmark, assignor, by mesne assignments, to Flexico (U. S. A.) S. A., Tangier, North Africa. Slide fastener. 2,613,421, Oct. 14.

Madsen, Carl J., Hingham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency shift apparatus. 2,605,359, July 29.

Madsen, David C., Mission, Tex. Hydraulic fluid flow control device with electric switch. 2,617,901, Nov. 11.

Madsen Iron Works, Inc., assignee: *See*—
Schulze, Clarence G.

Madsen, Jens, Valby, Denmark. Gear device for motorcars. 2,603,111, July 15.

Madsen, Liv, administratrix, assignee: *See*—
Madsen, Nils.

Madsen, Nils, deceased, Liv Madsen, administratrix, of said Nils Madsen, assignor to Liv Madsen, San Pedro, Calif. Lawn mower having opposite handed helical cutting blades. 2,600,892, June 17.

Madsen, Paul S., Bethany, assignor to The Seamless Rubber Company, New Haven, Conn. Syringe. 2,588,135, Mar. 4.

Madsen, Paul S., Bethany, and G. W. Goodson, North Haven, assignors to The Seamless Rubber Company, New Haven, Conn. Nursing outfit. 2,616,581, Nov. 4.

Madsen, Valdemar B. and A. K. C. A. B., Holte, Denmark. Signal lantern. 2,581,803, Jan. 8.

Madson, Andrew B., Los Angeles, Calif. Louver construction. 2,580,937, Jan. 1.

Maeder, Arthur: *See*—
Albrecht, Otto, and Maeder.

Maeder, Arthur, assignor to Ciba Limited, Basel, Switzerland. Manufacture of the carbonyls of nickel. 2,590,078, Mar. 25.

Maeder, Henry G., Jr.: *See*—
Chase, Fred L., Jr., Maeder.

Maehren, George B., Seattle, Wash. Spring-operated spray gun. 2,597,650, May 20.

Maeser, Mieth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and machine for treating hides and skins with liquid. 2,590,194, Mar. 25.

Maeser, Mieth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Spring type clutch. 2,615,543, Oct. 28.

Maestas, Raymond B., Los Angeles, Calif. Fountain brush. 2,603,805, July 22.

Mafera, Frank J., Raymond, N. H. Woven wire fencing. 2,610,009, Sept. 9.

Maffie, James A., Belleville, assignor to Monroe Calculating Machine Company, Orange, N. J. Selective keyboard clearing means. 2,590,335, Mar. 25.

Maffris, Annebelle, Chicago, Ill. Lady's hearing aid hat construction. 2,584,896, Feb. 5.

Mafko, Rudolf, Wilmington, Del., assignor to Bayshore Industries, Inc., Elkton, Md. Face mask. 2,606,324, Aug. 12.

Magarinn, Masick C., Fresno, Calif. Signal arm. 2,610,603, Sept. 16.

Magdeburger, Edward C., Washington, D. C. Tuned supercharging. 2,588,261, Mar. 4.

Magdits, Louis, Chicago, Ill. Bow facing oar. 2,613,373, Oct. 14.

Magee Carpet Company, The, assignee: *See*—
Groat, Francis P.
Groat, Francis P., and Hill.

Magee, Gilbert F., New Brunswick, N. J., assignor to Johnson & Johnson. Pad. 2,616,428, Nov. 4.

Magee-Hale Park-O-Meter Company, assignee: *See*—
Hale, Gerald A.

Magee, Louis A., assignee: *See*—
Jones, Frederic M.

Magee, Paul B., Buffalo, N. Y., assignor to General Electric Company. Biasing protective system for high-power oscillators. 2,583,785, Jan. 29.

Magee, Richard B., Altoona, Pa. Surgical drainage collection belt. 2,612,895, Oct. 7.

Magerlein, Barney J.: *See*—
Newman, Melvin S., and Magerlein.
Welsblat, David I., and Magerlein.

Magerlein, Barney J., and D. I. Welsblat, assignors to The Upjohn Company, Kalamazoo, Mich. Preparing folic acid intermediates. 2,606,905, Aug. 12.

Magers, Lloyd E., Chicago, Ill. Ground inserted cemetery vase. 2,583,001, Jan. 22.

Maggio, John B.: *See*—
Affel, Herman A., and Maggio.

Maggio, Samuel, Baltimore, Md. Combined shaper and trimming scissors. 2,603,863, July 22.

Magicot Sleep Products Inc., assignee: *See*—
Fischer, Jacob G.

Magis, Auguste A. G., Paris, France. Acetylene generator. 2,581,871, Jan. 8.

Magiott, George F., Wrentham, Mass., assignor to Brown and Sharpe Manufacturing Company. Pilot operated fluid pressure control valve. 2,610,647, Sept. 16.

Magnaflux Corporation, assignee: *See*—
De Forest, Taber.

Magnani, Alessandro, Broni, Italy. Apparatus for making fibrous cement sheet material. 2,592,518, Apr. 8.

Magnani, Arthur: *See*—
Julian, Percy L., Meyer, Schroeder, and Magnani.

Magnavox (Australia) Pty. Ltd., assignee: *See*—
Charlesworth, Reginald D.

Magnavox Company, The, assignee: *See*—
Cutchin, Theodore R., and Friedrich.
Dreisbach, Robert H., and Hardwick.
Fordeck, William A.
Freimann, Frank, Hart, and Knox.
Knox, Arthur L.
Koonz, John C.
Koonz, John C., and Piper.
Martin, Norman F.
Martin, Norman F., and Knox.
Olson, Ray G.

Magnesium Elektron Limited, assignee: *See*—
Emley, Edward F.
Jessup, Alfred C.

Magnesium Products of Milwaukee, assignee: *See*—
Finlayson, Thomas R., and Lee.

Magnet Cove Barium Corporation, assignee: *See*—
Van Dyke, Orine W.

Magnetic Equipment, Inc., assignee: *See*—
Hare, Donald G. C.

Magnetic Power, Inc., assignee: *See*—
Morrison, Willard L., Jr.
Morrison, Willard L., Jr., and Cole.
Morrison, Willard L., Jr., and Daugherty.

Magnetrol, Inc., assignee: *See*—
Binford, Benjamin L.

Magnus, Carl E.: *See*—
Tomkins, Walter M., and Magnus.

Magnus, Edward R., assignor to Snowhill Manufacturing Company, St. Louis, Mo. Preventing entrainment of liquid refrigerant with refrigerant gas. 2,580,805, Jan. 1.

Magnus, Elmer G., assignor to The W. J. Fitzpatrick Company, Chicago, Ill. Apparatus for breaking up frozen foods. 2,614,597, Oct. 21.

Magnus Harmonica Corporation, assignee: *See*—
Ens, Emil J.

Magnuski, Henry, assignor to Motorola, Inc., Chicago, Ill. Highly selective radio receiver. 2,608,648, Aug. 26.

Magnuski, Henry, assignor to Motorola, Inc., Chicago, Ill. Highly selective radio receiver. 2,608,649, Aug. 26.

Magnuson, A., assignee: *See*—
Magnuson, Raymond A.
Magnuson, Raymond A., and Christiansen.

Magnuson, Ephraim E., Arlington, Mass. Music drafting apparatus. 2,622,333, Dec. 23.

Magnuson, Gunnar, assignor to Aktiebolaget Defibrator, Stockholm, Sweden. Defibering presoaked lignocellulose. 2,610,119, Sept. 9.

Magnuson, R. A., assignee: *See*—
Magnuson, Raymond A.
Magnuson, Raymond A., and Christiansen.

Magnuson, Raymond A., assignor to R. A. Magnuson and A. Magnuson, copartners doing business as Vogel-Peterson Co., Chicago, Ill. Garment support. 2,606,734, Aug. 12.

Magnuson, Raymond A., and N. M. Christiansen, assignors to R. A. and A. Magnuson, copartners doing business under the firm name of Vogel-Peterson Co., Chicago, Ill. Garment rack. 2,589,269, Mar. 18.

Magnuson, Raymond A., and N. M. Christiansen, assignors to R. A. and A. Magnuson, copartners doing business as Vogel-Peterson Co., Chicago, Ill. Garment rack. 2,589,947, Mar. 18.

Magnuson, Roy M., Campbell, Calif. Packing structure. 2,595,592, May 6.

Magnuson, Roy M., Campbell, Calif., assignor of one-third to G. H. Ballantyne, San Jose, Calif., and one-third to C. L. Kirk, Bozeman, Mont. Quick freeze apparatus and package. 2,618,131, Nov. 18.

Magnuson, Roy M., Campbell, Calif. Method and apparatus for sorting fruits and vegetables. 2,618,306, Nov. 18.

Magnuson, Roy M., San Jose, assignor to Basic Vegetable Products Co., Vacaville, Calif. Slicing machine and method. 2,590,987, Apr. 1.

Magnuson, Vernie G., Minneapolis, Minn. Cleaner with endless belt differentially pressed against the floor. 2,607,939, Aug. 26.

Magnussen, Herman A., and E. Johansen, Kristiansand, Norway, assignors to O. Stray, Forest Hills, N. Y. Collapsible saw frame. 2,593,323, Apr. 15.

Magnussen, Odd M., Oslo, Norway. Article adapted for use as transport sled, as slip container to be dropped from aircraft, and as stove respectively. 2,594,781, Apr. 29.

Magnusson, Ellis M., assignor to Aktiebolaget Ekonomiregister, Stockholm, Sweden. Bookkeeping machine. 2,588,023, Mar. 4.

Magnusson, John-Erik: *See*—
Hård af Segerstad, Carl G., and Magnusson.

Magnusson, Knut J., Princeton, N. J., assignor to Radio Corporation of America. Film shrinkage compensatory driving sprocket. 2,601,790, July 1.

Magoffin, James E., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Composition useful as an antioxidant for fats and oils. 2,607,745, Aug. 19.

Magoffin, James E., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Composition useful as an antioxidant for fats and oils. 2,607,746, Aug. 19.

Magoon, Leon E.: *See*—
Chavannes, Marc A., and Magoon.

Magoon, Osborn P., Alameda, Calif. Paintbrush. 2,591,845, Apr. 8.

Magor Car Corporation, assignee: *See*—
Lunde, Einar O.

Magri, Ralph J., Jr., Lynchburg, Va., assignor to Corhart Refractories Company, Louisville, Ky. Chromemagnesia refractories. 2,599,566, June 10.

Maguire, Patrick: *See*—
Lanegan, Frederick E., and Maguire.

Maguire, Robert H., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body belt molding construction. 2,617,679, Nov. 11.

Maguire, Walter N., executor: *See*—
Maroth, Arthur M.

Maguth, Michael J. Carlstadt, N. J. Vaporizer. 2,606,276, Aug. 5.

Maha, Otto J.: *See*—
Peterson, Victor W., and Maha.

Maha, Otto J., assignor to Hannifin Corporation, Chicago, Ill. Pilot operated solenoid controlled valve. 2,616,449, Nov. 4.

Mahaffay, William E., Evansville, Ind., assignor to International Harvester Company. Mounting device. 2,618,723, Nov. 18.

Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of substituted pyridines. 2,615,022, Oct. 21.

Mahan, John E., and S. D. Turk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Polymerization of aromatic nitriles. 2,598,811, June 3.

Mahan, John E., Bartlesville, Okla., and S. C. Fauske, Borger, Tex., assignors to Phillips Petroleum Company. Producing hydroxy sulfolenes. 2,610,192, Sept. 9.

Mahaney, William H.: *See*—
Ruthman, Alois H., and Mahaney.

Maher, James F., Shiprock, N. Mex. Portable fracture-traction splint. 2,606,550, Aug. 12.

Maher, Joseph L., and C. O. Meyers, assignors to National Tank Company, Tulsa, Okla. Recovering gaseous hydrocarbons. 2,614,658, Oct. 21.

Maher, William W., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Leaky can reject mechanism for can testing machines. 2,594,327, Apr. 29.

Maher, William W., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Fluxing mechanism with movable flux applying tank. 2,619,064, Nov. 25.

Mahle, Louis W., Abington, assignor to Frank H. Fleer Corporation, Philadelphia, Pa. Chewing gum manufacture. 2,604,056, July 22.

Mahler, George T.: *See*—
Handwerk, Erwin C., and Mahler.

Mahler, Joseph: *See*—
Moulton, Harold R., and Mahler.

Mahler, Joseph, Brookline, assignor to American Optical Company, Southbridge, Mass. Making light polarizers. 2,612,079, Sept. 30.

Mahler, Paul, New York, N. Y. Composition of calcium salts of tall oil and making it. 2,616,814, Nov. 4.

Mahlig, Arthur R., and R. B. Hinely, Orlando, Fla. Sprayer. 2,582,445, Jan. 15.

Mahlmeister, Louis J., assignor to The Sheffield Corporation, Dayton, Ohio. Ganging device for checking axis relationship. 2,594,046, Apr. 22.

Mahns, Maurice W., La Fayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Drawbench unloading arm mechanism. 2,596,340, May 13.

Mahoff, George A., Santa Monica, and R. O. Jessup, Los Angeles, assignors to Marman Products Co., Inc., Inglewood, Calif. Flexible V band tube coupling. 2,602,678, July 8.

Mahon, R. C., Company, The, assignee: *See*—
Bingman, Frederick P.

Mahon, Stephen, Fort Atkinson, Wis., assignors, by mesne assignments, to C. A. Frankenhoff, Scarsdale, N. Y. Fluid-actuated reciprocating shower. 2,612,876, Oct. 7.

Mahoney, Charles F., Baldwin, N. Y. Actuating apparatus responsive to change in liquid level. 2,619,566, Nov. 25.

Mahoney, Henry G., Little Rock, Ark. Ladder. 2,622,783, Dec. 23.

Mahoney, John F., Linden, N. J., and E. Pierson, Harrisonburg, Va., assignors to Merck & Co., Inc., Rahway, N. J. Azeotropic dehydration of aqueous chloral mixtures. 2,584,036, Jan. 29.

Mahoney, John J., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Spraying freely falling particles. 2,594,469, Apr. 29.

Mahoney, Joseph L., Joliet, C. J. Rundquist, Chicago, and C. R. Skarin, Western Springs, assignors to The Petersen Oven Company, Chicago, Ill. Tray for conveyer oven. 2,608,287, Aug. 26.

Mahoney, Thomas R., Greenville, Ohio. Rotary hoe wheel. 2,597,742, May 20.

Mahoney, Wilber B., Jr., Modesto, Calif. Flow control valve. 2,591,274, Apr. 1.

Mahr, Julius A., Minneapolis, Minn. Latch connector for sectional table tops. 2,619,394, Nov. 25.

Mahrt, Louis R., trustee, assignee: *See*—
Noodleman, Samuel.

Maichin, Joseph, assignee: *See*—
Paul, Leonard B.

Maiden Form Brassiere Company, Inc., assignee: *See*—
Coleman, Joseph A.

Maier, August R., Dallas, Tex., assignor to United States Steel Company. Slush pump piston. 2,596,703, May 13.

Maier, August R., Dallas, Tex., assignor to United States Steel Company. Pump valve. 2,613,054, Oct. 7.

Maier, August R., Oil City, Pa., assignor to United States Steel Company. Drive shaft assembly for rotary well-drilling apparatus. 2,600,555, June 17.

Maier, August R., and J. W. Jacoby, Oil City, Pa., assignors to United States Steel Company. Well drilling rig. 2,613,059, Oct. 7.

Maier, Curtis E., New York, N. Y., and R. A. Larson, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for cleaning can body blank seam margins. 2,623,233, Dec. 30.

Maier, Curtis E., Scarsdale, N. Y., F. L. Minnear, and H. E. Brockett, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Making lined lapped seam fiber containers. 2,623,444, Dec. 30.

Maier, Herbert N., Pottstown, Pa., assignor to Doehler-Jarvis Corporation, New York, N. Y. Removal of flash, fin, and burr. 2,591,083, Apr. 1.

Maier, W. K., assignee: *See*—
Costa, Leone.

Maier, Roy J., Los Angeles, Calif. Reed guard and portable holder for woodwind reeds. 2,604,978, July 29.

Maiese, Michael R.: *See*—
Kern, Charle J., Antoshkiw, and Maiese.

Maillard, Bernard, Geneva, Switzerland, assignor to Brevets Aero-Mecaniques S. A. Cartridge feed device for automatic firearms. 2,586,358, Feb. 19.

Maiman, Herbert A., Havertown, Pa. Hose coupling. 2,613,089, Oct. 7.

Main, David W., Denver, Colo. Flying toy. 2,615,281, Oct. 28.

Main, Everett G., assignor to Main Flo-Control Traffic Light, Inc., Ann Arbor, Mich. Traffic light accessory. 2,588,739, Mar. 11.

Main Flo-Control Traffic Light, Inc., assignee: *See*—
Main, Everett G.

Main, Robert C., La Canada, Calif., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Indicating means for thermostatic devices. 2,607,533, Aug. 19.

Main, Robert C., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control system for electrically operated heating means. 2,614,621, Oct. 21.

Main, Thomas C., Beaumont, Tex., assignor to Standard Oil Development Company. Controlling temperatures in a fluidized catalyst hydrocarbon synthesis process. 2,581,118, Jan. 1.

Mainmast Securities, Limited, assignee: *See*—
Bernhart, Alv W.

Maiocchi, Dario, Los Angeles, Calif. Pattern machine. 2,589,105, Mar. 11.

Maiorany, Robert T.: *See*—
Kimball, Vernon R., and Maiorany.

Maiorany, Robert T., Bronx, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Restraining springs for rate gyroscopes. 2,585,146, Feb. 12.

Mair, Jesse K.: *See*—
Gillespie, Robert N., Mair and McNally.

Mairs, Thomas, Tacoma, Wash. Marine engine water cooler. 2,612,858, Oct. 7.

Maisch, Oliver, Chicago, Ill., assignor to Rheem Manufacturing Company, Richmond, Calif. Self-sealing test plug. 2,581,537, Jan. 8.

Maisch, Oliver, Chicago, Ill. Sirup measuring and dispensing pump. 2,619,039, Nov. 25.

Maisch, Oliver, Chicago, Ill. Liquid measuring and dispensing pump. 2,619,040, Nov. 25.

Maison Breguet (Societe Anonyme), assignee: *See*—
Nuquet, Pierre E. C.

Maiwald, Ernest J., Jr., Oyster Bay, assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Rapid processing apparatus for photographic film. 2,587,350, Feb. 26.

Maize, James A., Redwood City, assignor to E. B. Gregg, San Francisco, Calif. Thermoelectric device. 2,622,116, Dec. 16.

Majer, John R.: *See*—
Kendall, John D., and Majer.

Majewski, Frank, Niles, Ill. Ear protector. 2,597,508, May 20.

Majewski, Walter, Norwood Park, Ill. Face powder dispensing receptacle. 2,581,267, Jan. 1.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Power valve assembly. 2,592,442, Apr. 8.

Majneri, Ludwig A., Grosse Pointe, Mich. Ski binding. 2,610,068, Sept. 9.

Majoros, Frank P.: *See*—
Katz, Julius, and Majoros.

Majors, Robert R., Muskogee, Okla. Anchor. 2,595,966, May 6.

Mak, Gerrit, Sydney, New South Wales, Australia, and A. W. Storm, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Circuit arrangement for the stabilization of alternating current voltages. 2,591,955, Apr. 8.

Makant, Joseph E., and G. W. Smithson, Pawtucket, and K. R. Wunschel, Johnston, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control for machine tools. 2,594,782, Apr. 29.

Makhonine, Jean, Paris, France. Device for changing the loading of aircraft wings. 2,585,480, Feb. 12.

Maki, George J., Moraga, Calif. Frequency shift radio telegraph receiver. 2,616,969, Nov. 4.

Makkonen, Osmo, Helsinki, Finland. Water purification apparatus. 2,585,808, Feb. 12.

Malachick, Joseph H., New York, N. Y. Sanitary dispenser for food boxes. 2,589,835, Mar. 18.

Malagio, Fred J., Akron, Ohio. Resilient bag support. 2,620,188, Dec. 2.

Malagrino, Francesco, Valenza, Italy. Opposed contact measuring device having adjustable transmission. 2,606,369, Aug. 12.

Malarkey, James H., assignor to M and M Wood Working Company, Portland, Oreg. Device for protecting door ends. 2,586,240, Feb. 19.

Malby, Seth G., Edgewater, N. J. Mirror. 2,582,786, Jan. 15.

Malchiodi, Dario S., New York, N. Y. Cornice construction. 2,590,555, Mar. 25.

Malcolm, Wilbur G., Nyack, N. Y., and J. J. Vance, Park Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y. Injectable penicillin preparations. 2,619,447, Nov. 25.

Malcom, Glen, assignor to Reeves Pulley Company, Columbus, Ind. Constant tension control. 2,581,328, Jan. 1.

Malcom, Robert, Jr., assignor to Chicago Eye Shield Company, Chicago, Ill. Protective device. 2,606,321, Aug. 12.

Male, Herman A., Brighton, assignor to Gleason Works, Rochester, N. Y. Loading mechanism for gear producing machines. 2,585,809, Feb. 12.

Malear, Herman E., Cleburne, Tex. Turret lathe attachment. 2,617,322, Nov. 11.

Malecki, Jerzy, London, England. Means of vapor concentrations determination. 2,623,391, Dec. 30.

Malek, Jack H.: *See*—
Malek, Morris S., and J. H.

Malek, Morris S. and J. H., New York, N. Y. Apparatus for applying a basting stitch to fabrics. 2,583,582, Jan. 29.

Malheiros, Luiz G., Syracuse, and L. E. Moncrief, North Syracuse, N. Y., assignors to General Electric Company. Illuminated multiscale dial structure. 2,619,068, Nov. 25.

Malherbe, Benjamin F.: *See*—
Oliver, Edward M., and Malherbe.

Malherbe, Gerhardus L., Snider-Paarl, Cape Province, Union of South Africa. Shoe heel structure. 2,582,551, Jan. 15.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Packaging machine. 2,603,047, July 15.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Article conveying and transferring mechanism. 2,603,339, July 15.

Mali, Harry E., Bonita Springs, Fla., and W. S. Reier, Zenda, Wis. Wardrobe case. 2,604,960, July 29.

Malick, Emil A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fuel metering control. 2,621,642, Dec. 16.

Malin, Jay B., Fishkill, assignor to The Texas Company, New York, N. Y. Fuel injection internal-combustion engine. 2,606,538, Aug. 12.

Malin, Joseph J., Kulpmont, Pa. Range-height indicator. 2,585,950, Feb. 19.

Malin, Ralph D., and A. C. Stockdale, Lansing, Mich., assignors to Food Machinery and Chemical Corporation. Wheeled spraying device. 2,581,678, Jan. 8.

Malina, Louis E., Philadelphia, Pa., assignor to Eugene J. Houdry. Deposition of a metal oxide catalyst on a carrier. 2,580,806, Jan. 1.

Malinowski, Theodore P., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Melamine coating resins. 2,619,476, Nov. 25.

Malir, Joseph J., Jr., Denver, Colo. Apparatus for vaporizing hydrocarbons. 2,618,935, Nov. 25.

Malkames, James P., Jr., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of Agriculture. Food product from whey. 2,585,951, Feb. 19.

Malkan, William A., New York, N. Y. Ball-actuated racing game device. 2,591,937, Apr. 8.

Malkan, William A., Oakwood Heights, N. Y. Ball-actuated racing game device. 2,591,956, Apr. 8.

Malke, Sven, assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe flash welder. 2,623,973, Dec. 30.

Malkin, Bernard A., assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Slice assembly for papermaking machines. 2,615,374, Oct. 28.

Malkoff, Hyman, assignor to Kramer Trenton Company, Trenton, N. J. Evaporative fluid cooling apparatus. 2,583,149, Jan. 22.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Flexible shaft coupling. 2,586,359, Feb. 19.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Flexible shaft coupling. 2,586,360, Feb. 19.

Mall Tool Company, assignee: *See*—
Mall, Arthur W.

Mallamas, Paul, Jr., assignee: *See*—
Pilkington, William T., Jr.

Mallard, James N., assignor of one-half to N. W. Day, North Little Rock, Ark. Applicator for liquid wax. 2,601,689, July 1.

Mallard, Logan L., Norfolk, Va. Deformable means for interlocking machine elements. 2,620,008, Dec. 2.

Mallard, Robert G.: *See*—
Rinne, John, Ashton, Mallard, and Lake.

Mallasch, Luther F., Glendale, Calif. Wirepulling device. 2,599,929, June 10.

Malleable Iron Fittings Company, assignee: *See*—
Jenne, Kenneth C.

Mallery, Ross W., Lebanon, assignor to The Charles Meis Shoe Manufacturing Company, Cincinnati, Ohio. Last puller. 2,605,485, Aug. 5.

Mallett, Charles, Chula Vista, Calif. Clothes hanger. 2,623,666, Dec. 30.

Mallett, Edwin A., and M. M. Seeloff, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Seam welder head. 2,614,146, Oct. 14.

Mallina, Rudolph F.: *See*—
Hickman, Clarence N., Mallina, and Reck.

Mallina, Rudolph F., Hastings-on-Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording system. 2,617,704, Nov. 11.

Mallinckrodt Chemical Works, assignee: *See*—
Dean, Walter K.
Farr, Henry V., and Ruhoff.
Homeyer, August H., and De La Mater.
Mallinckrodt, Edward, Jr., and Ruehle.
Stoughton, Roger W.
Wallingford, Vernon H.

Mallinckrodt, Edward, Jr., St. Louis, and A. E. Ruehle, Kirkwood, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preservation of ether. 2,587,744, Mar. 4.

Mallinckrodt, George E., St. Louis, Mo. Valveless pulse jet engine having electric arc heating means. 2,585,810, Feb. 12.

Mallinckrodt, Philip A., assignee: *See*—
Lewis, Henry E.

Mallinckrodt, Philip H., assignee: *See*—
Lewis, Henry E.

Mallison, Thomas D., Dallas, Tex. Lantern bracket. 2,598,130, May 27.

Mallory, Gerald D., Akron, and T. R. Ten Broeck, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Article comprising cord bonded to rubber by a vinylpyridine adhesive. 2,615,826, Oct. 28.

Mallory, Marion, Detroit, Mich. Charge control valve mechanism for internal-combustion engines. 2,588,136, Mar. 4.

Mallory, Marion, Detroit, Mich. Opposed piston engine. 2,608,964, Sept. 2.

Mallory, Marion, Detroit, Mich. Apparatus for lubricating shafts. 2,610,096, Sept. 9.

Mallory, Marion, Detroit, Mich. Cam and making same. 2,616,307, Nov. 4.

Mallory, P. R., & Co., Inc., assignee: *See*—
Aust, Robert J.
Booe, James M.
Huetten, Clarence.
King, Bernard H.
Poehlmann, George.
Puerner, George O.
Stinson, George H.

Mallory, P. R., & Company, Incorporated, assignee: *See*—
Conklin, William C.
De Bell, Ernest A.
Huetten, Clarence.
Huetten, Clarence, and Kaufmann.
Puerner, George O.

Mallory, Robert E., Oklahoma City, Okla. Infant milk bottle and food warmer. 2,595,685, May 6.

Mallory, Sterling D., Birmingham, Ala. Coat hanger shoulder shield. 2,597,509, May 20.

Mallory, Sterling D., Birmingham, Ala. Combined clothes hanger shoulder shield and hook. 2,601,442, June 24.

Malm, Carl J., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose triacetate. 2,582,049, Jan. 8.

Malm, Carl J., and L. J. Tanghe, assignors to Eastman Kodak Company, Rochester, N. Y. Lowering the viscosity of hydrolyzed cellulose esters and product. 2,592,305, Apr. 8.

Malm, Elaine F., St. Paul, Minn. Protective pad for playpens or cribs. 2,600,556, June 17.

Malm, Howard R., San Francisco, Calif. Valve spring tester. 2,616,292, Nov. 4.

Malm, Ignace L., Tallant, assignor to Cities Service Oil Company, Bartlesville, Okla. Processing of synthetic hydrocarbons. 2,593,159, Apr. 15.

Malm, Royal D.: *See*—
Peach, William H., and Malm.

Malm, William A. R., New Orleans, La. Kineto-optical scanning with modulated light beam in television image projection. 2,588,740, Mar. 11.

Malmgren, George V., Chicago, Ill. Forecasting calculator. 2,595,153, Apr. 29.

Malmquist, Robert E., Evanston, Ill. Tackle box. 2,608,459, Aug. 26.

Malmros, Gustav V. A.: *See*—
Johnson, Reynold B., Hendrich, and Malmros.

Malmsten, Philip C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Adjustable eccentric. 2,583,864, Jan. 29.

Malmsten, Philip C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Seal for stoker bearings. 2,602,679, July 8.

Malmvik, Elof, assignor to Jönköpings Mekaniska Werkstads Aktiebolag, Jonkoping, Sweden. Sealing mechanism for vertical axis centrifugal pumps. 2,622,902, Dec. 23.

Malnar, Frank J., Euclid, assignor to The Malnar Machine & Tool Company, Inc., Cleveland, Ohio. Attachment for milling machines. 2,604,019, July 22.

Malnar Machine & Tool Company, Inc., The, assignee: *See*—
Malnar, Frank J.

Maloit, Robert J.: *See*—
Cizmadia, Louis, and Maloit.

Malone, Alva, assignor of fifty per cent to R. A. Morris, Fresno, Calif. Wheeled clodbreaker. 2,618,439, Nov. 18.

Malone, Harold L., Rochester, N. Y., and G. C. Underwood, Boston, Mass., assignors to Eastman Kodak Company, Rochester, N. Y. Flashlight device. 2,600,789, June 17.

Malone, Harold L., and E. S. Marvin, assignors to Eastman Kodak Company, Rochester, N. Y. Flash lamp firing circuit. 2,614,409, Oct. 21.

Malone, Herbert E.: *See*—
Bain, Lewis A., Jr., and Malone.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Water heater thermostat. 2,597,651, May 20.

Malone Knitting Company, assignee: *See*—
Humphlett, Wilma D.

Malone, Lawrence J., Chicago, Ill. Resilient electrical outlet with puncturable sealing closure. 2,617,848, Nov. 11.

Malone, Ralph A.: *See*—
Kearful, Godfrey G., Verbrugge, and Malone.
Lincoln, Clovis W., Zeigler, and Malone.

Malone, Robert E., Canton, Ohio. Culinary fork and gripper. 2,600,013, June 10.

Maloney-Crawford Tank & Manufacturing Company, assignee: *See*—
Wilson, Samuel A.

Maloney, Henry B., Lynn, assignor to Sylvania Electric Products Inc., Salem, Mass. Filament transfer and mounting apparatus for lamp stems. 2,597,354, May 20.

Maloof, Leon S., Watertown, Mass. Visual electron flow indicator. 2,600,063, June 10.

Malott, Ira M., Louisville, Ky., and H. R. Crawford, Cincinnati, Ohio. Race track timing device. 2,612,948, Oct. 7.

Malouf, William M., Los Angeles, Calif., assignor to M-M & M Engineering and Research Corporation, Inc. Fuel treating device. 2,613,143, Oct. 7.

Malowan, John E., and F. R. Hurley, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Nitrogen-phosphorus composition and process for same. 2,596,935, May 13.

Maloy, Clifford T., Englewood, Colo. Rinse cylinder for attachment to rotary washing machine baskets. 2,615,321, Oct. 28.

Malpica, José M., Mexico City, Mexico. Electrostatic transformer. 2,620,447, Dec. 2.

Malsbary, James S., Glendale, assignor to Wagner Electric Corporation, St. Louis, Mo. Antibacklash coupling. 2,588,642, Mar. 11.

Malt-A-Plenty, Inc., assignee: *See*—
Olson, Harold C.

Maltby, Truman W.: *See*—
Bell, Locklin S., and Maltby.

Malter, Bernard T., Los Angeles, assignor of one-half to Oscar Salenger, Beverly Hills, Calif. Decolorizing and sterilizing spices. 2,615,813, Oct. 28.

Malter, Louis: *See*—
Webster, William M., Johnson, and Malter.

Malter, Louis, Princeton, N. J., assignor to Radio Corporation of America. Pulse energized gas tube circuits. 2,619,593, Nov. 25.

Malter, Louis, and E. O. Johnson, Princeton, N. J., assignors to Radio Corporation of America. Decreasing deionization of gas tubes. 2,617,969, Nov. 11.

Malthaner, Sylvester A.: *See*—
Forbes, Duncan P., and Malthaner.

Malthaner, William A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switching system employing repetitive impulsing. 2,620,399, Dec. 2.

Malthaner, William A., Summit, N. D. Newby, Leonia, and H. E. Vaughan, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse position dial receiver employing pulse superposition for identifying digits. 2,615,971, Oct. 18.

Maltz, Max L., Los Angeles, assignor to American Electro-Mechanics, Pasadena, Calif. Axial flow blower. 2,618,432, Nov. 18.

Malutich, Harry S., Erie, Pa., assignor to General Electric Company. Alarm switch. 2,596,704, May 13.

Maly, Bohuslav, Marion, Iowa. Automatic feeding machine. 2,602,275, July 8.

Malý, Jaroslav, and F. Kodeš, Prague, Czechoslovakia. Dirigible sled. 2,620,199, Dec. 2.

Malzacher, Fred, Elmhurst, N. Y. Aerating device. 2,603,465, July 15.

Mammen, Howard E., La Grange, and G. L. Hervert, Berwyn, assignors to Universal Oil Products Company, Chicago, Ill. Sulfonation with sulfur trioxide. 2,616,936, Nov. 4.

Mamola, Peter J., Astoria, assignor to Western Electric Company, Incorporated, New York, N. Y. Vulcanizing apparatus. 2,615,082, Oct. 21.

Mamor, Armand, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Testing circuits for group selectors in automatic systems. 2,586,838, Feb. 26.

Manago, Joseph R., Jr.: *See*—
Schubert, Milton V., Jr., Langohr, Manago, and Badskey.

Manasse, Mervyn H., assignee: *See*—
McNabb, Walter J., and W. J. McNabb, Jr.

Manchester Hosiery Mills, assignee: *See*—
Gordon, Melvin J.

Mancia, Henri: *See*—
Mégel, Guillaume E., and Mancia.

Mancini, George, New York, N. Y. Gas alarm device. 2,594,951, Apr. 29.

Mancini, Lory, Los Angeles, Calif. Window structure. 2,593,160, Apr. 15.

Mancke, Richard B.: *See*—
MacDonald, Leslie A., and Mancke.

Mandato, Henry E., Goshen, N. Y. Barber's comb. 2,613,678, Oct. 14.

Mandell, Bertram H., assignee: *See*—
Mandell, David E.

Mandell, David E., New York, assignor to B. H. Mandell, Elmhurst, N. Y. Truss. 2,613,668, Oct. 14.

Manderfeld, Emanuel C., Los Angeles, assignor to Mitchell Camera Corporation, Glendale, Calif. Removable Geneva movement for motion-picture projectors. 2,587,183, Feb. 26.

Manderfeld, Emanuel C., Los Angeles, assignor to Mitchell Camera Corporation, Glendale, Calif. Framing light and control for motion-picture machines. 2,605,673, Aug. 5.

Manders, John A., Minneapolis, Minn. Towing device. 2,612,383, Sept. 30.

Mandeville, Charles E., Drexelbrook, H. O. Albrecht, Springfield, Pa., and M. V. Scherb, Princeton, N. J., assignors to Nuclear Research Corporation, Philadelphia, Pa. Apparatus for detecting atomic and nuclear radiations. 2,617,955, Nov. 11.

Mándi, Andrew, and F. Ratkovszky, Budapest, Hungary. Two-pole turbogenerator rotor. 2,594,952, Apr. 29.

Mandolf, Henry I., and J. B. Morrow, assignors to Langley Corporation, San Diego, Calif. Weighing and measuring device. 2,603,474, July 15.

Mandolf, Henry I., and H. R. Chapin, assignors to Langley Corporation, San Diego, Calif. Fishing reel. 2,617,612, Nov. 11.

Manegold, Robert L., Shorewood, and I. H. Wynne, Milwaukee, assignors to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic separation. 2,597,652, May 20.

Manen-Mayol, Pedro, Barcelona, Spain. Book of perspective views. 2,586,071, Feb. 19.

Mangan, John R., La Crosse, Wis. Compressor pump. 2,583,583, Jan. 29.

Manganese Battery Corporation, assignee: *See*—
Fox, Abraham L.

Manger, Arthur O., Philadelphia, Pa., and E. A. Tomlin, Jr., Hampton, Conn., assignors, by mesne assignments, to Rathborne, Hair & Ridgway Box Co., Chicago, Ill. Shipping crate for livestock. 2,593,161, Apr. 15.

Mangold, George, North Bergen, and F. Zener, Hasbrouck Heights, assignors to Keuffel & Esser Company, Hoboken, N. J. Slide rule belt carrier. 2,602,574, July 8.

Mangos, Peter G., Minneapolis, Minn. Mechanical movement. 2,619,193, Nov. 25.

Manhartsberger, Albert, Bloomfield, assignor to Specialties Development Corporation, Belleville, N. J. Pilot operated valve with automatic holding means. 2,622,612, Dec. 23.

Manhasset Machine Company, assignee: *See*—
Jaeger, Edward T.

Maniaci, Dominic, Detroit, Mich. Positive disappearing knockout pin mechanism. 2,609,777, Sept. 9.

Manierre, George, Milwaukee, Wis. Portable loading and unloading conveyer. 2,596,265, May 13.

Manilych, Samuel, Brooklyn, and L. L. Lambert, Flushing, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cutting oil. 2,591,570, Apr. 1.

Maniscalco, Pietro, Chicago, Ill. Portable refrigerator. 2,596,037, May 6.

Maniscalco, Ralph, Brooklyn, N. Y. Meat tray support and price sign holder. 2,607,496, Aug. 19.

Manitowoc Shipbuilding Company, assignee: *See*—
Nickles, Edward B.
Winborn, Byron R., Jr., and Beduhn.

Mankin, Arthur H.: *See*—
Sunstein, David E., and Mankin.

Mankin, Arthur H., Chicago, Ill., and D. E. Sunstein, Cynwyd, assignors to Philco Corporation, Philadelphia, Pa. Grid-controlled electron tube. 2,593,044, Apr. 15.

Mankki, Onnie, Cleveland, Ohio, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoking stand. 2,615,578, Oct. 28.

Mankowich, Abraham, Darlington, Md., assignor to the United States of America as represented by the Secretary of the Army. Paint stripping compositions. 2,614,992, Oct. 21.

Manley, Fred J., Knoxville, Tenn. Ceiling construction. 2,610,365, Sept. 16.

Manley, John C., Barrington, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Electronic signal responsive predetermining circuit. 2,619,282, Nov. 25.

Manley, Robert T., Kansas City, Kans., assignor to The Vendo Company, Kansas City, Mo. Vending machine for bottled goods having vertical rotating basket unit. 2,586,241, Feb. 19.

Manley, Victor, Longmeadow, Mass. Sacroiliac block. 2,612,158, Sept. 30.

Mann, Alfred K., New York, N. Y., L. M. Mott-Smith, Houston, Tex., and L. R. Quarles, Charlottesville, Va., assignors to the United States of America as represented by the Secretary of the Navy. Parallax corrector for use in gun control. 2,591,846, Apr. 8.

Mann, Cecil E., Pontiac, Mich. Mason's line block. 2,592,717, Apr. 15.

Mann, Ernst, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Tubular electric discharge lamp unit. 2,581,546, Jan. 8.

Mann, Harvey B., Ben Avon, Pa. Drier for footwear. 2,617,204, Nov. 11.

Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Water system. 2,619,036, Nov. 25.

Mann, Julius W., Stellacoom Lake, Wash. Glue-setting platen. 2,599,930, June 10.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Controlling and placing of radio-frequency heat in a dielectric. 2,599,850, June 10.

Mann, Leslie, Detroit, Mich. Bicycle wheel attachment. 2,621,081, Dec. 9.

Mann, Lois S., Waterville, Vt. Colostomy belt. 2,611,364, Sept. 23.

Mann, Martin, assignor to Stetson China Company, Chicago, Ill. Imprinting machine for china. 2,603,148, July 15.

Mann, Martin, assignor to Stetson China Company, Chicago, Ill. Imprinting machine for china. 2,603,149, July 15.

Mann, Ralph J., and J. Biedawski, Spondon, near Derby, Engand, assignors to British Celanese Limited. Producing a textile product. 2,610,384, Sept. 16.

Mann, Ralph W., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Seismic exploration method. 2,604,954, July 29.

Mann, Smith & Coulter, assignee: *See*—
Coulter, George W.

Mann, Theodore C., Beloit, Wis., assignor to Ekstrom-Carlson & Co., Rockford, Ill. Conveyer chain. 2,593,324, Apr. 15.

Mann, Theodore G.: *See*—
Mann, Theodore H. and T. G.

Mann, Theodore H. and T. G., Los Angeles, assignors to Sound Engineering, Hollywood, Calif. Magnetic sound record. Re. 23,602, Dec. 23.

Mann, Theodore H. and T. G., Los Angeles, assignors to Sound Engineering, Hollywood, Calif. Magnetic sound record. 2,581,765, Jan. 8.

Mann, Walter R., Goodlett, Tex. Minnow trap. 2,602,261, July 8.

Mannal, Clifford, Schenectady, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Flowmeter. 2,594,668, Apr. 29.

Mannbro, Nils V., Fredriksberg, Sweden. Recoving hydrogen sulfide from sulfide containing soda liquors obtained in cellulose production. 2,611,682, Sept. 23.

Manne Enterprises, Ltd., assignee: *See*—
Manne, Moe.

Manne, Moe, assignor to Manne Enterprises, Ltd., New York, N. Y. Making gem settings. 2,610,385, Sept. 16.

Manners, Frank, New York, N. Y. Exercising apparatus. 2,613,932, Oct. 14.

Manners, Maurice: *See*—
Dovey, Anne P., Manners, and Partridge.

Manning, Albert C., Oakland, Calif. Machine for measuring, cutting, and rolling linoleum. 2,595,593, May 6.

Manning, Burwell D., Columbia, S. C. Mechanical bola. 2,611,340, Sept. 23.

Manning, Chauncey P., Hartford, assignor to The Walton Company, West Hartford, Conn. Lathe attachment. 2,616,338, Nov. 4.

Manning, Dave M., Hysham, Mont. Posthole digging machine. 2,595,686, May 6.

Manning, Elizabeth B., Shaker Heights, and A. von Haase, Parma Heights, Ohio; said von Haase assignor to said Manning. Cannister bin unit. 2,617,702, Nov. 11.

Manning, Franklin A.: *See*—
Smith, Ernest E., and Manning.

Manning, George B., Schenectady, N. Y., assignor to General Electric Company. Meter reset locking and sealing means. 2,602,349, July 8.

Manning, Howard H., assignor to Champion De Arment Tool Company, Meadville, Pa. Adjustable pliers. 2,592,927, Apr. 15.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Moore, George E.
Ostermann, Hans J., Wilkens, and Bryan.
Roper, Charles G.

Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Ingham, Robert J., Jr., and Kahn.

Manning, Ralph M., West Medford, Mass., assignor to General Electric Company. Thermostatic switch. 2,587,351, Feb. 26.

Manning, Richard D.: *See*—
Hodge, John M., and Manning.

Manning, Robert M., Pampa, Tex. Self air-escaping floating valve. 2,598,706, June 3.

Manning, Robert M., Pampa, Tex. Arrester trap float valve. 2,614,853, Oct. 21.

Manning, Ruben T., Maury City, Tenn. Ventilated footwear. 2,591,454, Apr. 1.

Manning, Sheldon F., assignor to Barnes Drill Co., Rockford, Ill. Thread-cutting machine having rapid traverse plus positive controlled feed. 2,587,352, Feb. 26.

Manning, William O.: *See*—
Legge, Charles N., and Manning.

Manoil, Jack, assignor to Manoil Manufacturing Co., Inc., Waverly N. Y. Toy vehicle wheel and axle. 2,597,588, May 20.

Manoil Manufacturing Co., Inc., assignee: *See*—
Manoil, Jack.

Manor Die Cast Corporation, assignee: *See*—
Beatty, Robert D., Jr.

Manotte, Jean, assignee: *See*—
Picard, Lucien.

Mansell, Leland R., Poland, Ohio. Length control apparatus. 2,618,046, Nov. 18.

Mansell, Leland R., Poland, Ohio. Length control apparatus. 2,618,047, Nov. 18.

Mansell, Stanley W.: *See*—
Owner, Frank M., Mansell, and Marchant.

Mansen, Harry, Barrington, assignor to Elgin Softener Corporation, Elgin, Ill. Valve actuator. 2,610,511, Sept. 16.

Mansfield, Edward H., Chicago, Ill. Filter. 2,582,388, Jan. 15.

Mansfield Engineering Company, assignee: *See*—
Mansfield, Vaughn.

Mansfield, Ernest J., assignor to W. Edwards & Co. (London) Limited, London, England. Stopcock rotor. 2,621,013, Dec. 9.

Mansfield Industries, Inc., assignee: *See*—
Aboltin, Bernard.

Mansfield Sanitary Pottery Inc., assignee: *See*—
Cramer, Willis B.
Smith, Harry F.

Mansfield, Vaughn, Whitehaven, assignor to Mansfield Engineering Company, Memphis, Tenn. Combustion air feeding structure for oil-burning locomotives. 2,580,807, Jan. 1.

Mansfield, Warren M., Glendale, Calif., assignor to Cutter Corporation, Dover, Del. Razor type hair trimmer. 2,597,653, May 20.

Mansfield, Warren M., Glendale, Calif., assignor, by mesne assignments, to Cutter Corporation. Hair trimming type razor. 2,612,684, Oct. 7.

Mansfield, Warren M., Glendale, Calif., assignor, by mesne assignments, to Cutter Corporation. Reversible hair trimmer. 2,615,244, Oct. 28.

Manske, Joseph J., L. J. Martin, and R. J. Bernake, Milwaukee, Wis. Spinning top. 2,610,440, Sept. 16.

Mansoff, Arthur P., Dauphin, Manitoba, assignor of one-tenth to O. C. Steele, Kelowna, British Columbia, Canada. Vaporizer for internal-combustion engines. 2,597,251, May 20.

Manson, Harry G.: *See*—
Hansen, William L., and Manson.

Manson, Magnus W., Johannesburg, Transvaal, Union of South Africa. Attaching parts to wooden poles. 2,582,050, Jan. 8.

Mansour, Edmund F., Kansas City, Mo. Bow necktie. 2,591,366, Apr. 1.

Mantel, Edward, Harvel, Ill. Truss. 2,595,154, Apr. 29.

Mantelet, Jean, Bagnolet, France, assignor, by mesne assignments, to Le Moulin-Legumes Corporation, Wilmington, Del. Household grater operating by means of a drum. 2,587,186, Feb. 26.

Mantelet, Jean, Bagnolet, France, assignor, by mesne assignments, to Le Moulin-Legumes Corporation, Wilmington, Del. Mounting of the drum in household graters. 2,604,916, July 29.

Manteria, Joseph, Springfield, Mass. Package delivery mechanism. 2,587,496, Feb. 26.

Manteria, Joseph, Springfield, Mass. Gas burner having radiant foraminous combustion chamber walls. 2,621,721, Dec. 16.

Mantes, T. R., assignee: *See*—
Brown, Robert B.

Mantes, T. R., Co., assignee: *See*—
Brown, Robert B.

Manthey, Everett C., and A. M. Thompson, assignors to Thompson Engineering & Mfg. Co., Chicago, Ill. Blade holder. 2,619,724, Dec. 2.

Manthey, Walter C., assignee: *See*—
Miller, Clifford O., and Behmer.

Manting, Jack F., assignor to Denham Manufacturing Company, Big Rapids, Mich. Magnetic latch for doors. 2,584,480, Feb. 5.

Mantle, Burr W., Pittsford, assignor to American Brake Shoe Company, New York, N. Y. Spray gun. 2,606,072, Aug. 5.

Mantle, Burr W., Pittsford, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Valve. 2,607,365, Aug. 19.

Manton, Ray, Rochester, N. Y. Device for making hamburger patty cakes. 2,605,498, Aug. 5.

Mantz, Marius R., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Combined radio and intercommunication system. 2,616,973, Nov. 4.

Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), assignee: *See*—
Bourdon, Pierre M.

Manufacture d'Horlogerie de Bethune, assignee: *See*—
Outrebon, Eugéne.

Manufacture de Machines de Haute Rhin, assignee: *See*—
Musyl, Robert.

Manufacture De Machines Du Haut-Rhin, assignee: *See*—
Cuttat, Georges E.

Manufacturers and Traders Trust Company, assignee: *See*—
Wilson, Frank C.

Manufacturers Trust Company, executor: *See*—
Emrick, George W.

Manufactures de Produits Chimiques du Nord Etablissements Kuhlman, assignee: *See*—
Kaikinger, Philippe.

Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, assignee: *See*—
Del Buttero, Enzo.

Manupello, Anthony B., Penns Grove, N. J. Pneumatic tire bead loosening tool. 2,606,602, Aug. 12.

Manus, Lee A.: *See*—
Harris, Melvyn J., Einbinder, and Manus.

Manville, Charles T.: *See*—
Gow, Arthur R., and Manville.

Manville, Charles T., Woodbury, assignor to The Seamless Rubber Company, New Haven, Conn. Syringe. 2,612,161, Sept. 30.

Manville, Henrietta P., Woodbury, assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Lipstick holder. 2,588,024, Mar. 4.

Manzano, Gertrudis, Landisville, N. J. Fringe forming apparatus. 2,600,014, June 10.

Manzano, Henrich: *See*—
Hönel, Herbert, and Manzano.

Manzer, Donald N., near Walnut Creek, assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif. Slow-setting, oil-in-water bituminous emulsion. 2,615,819, Oct. 28.

Manzer, Donald N., Walnut Creek, assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif. Bituminous emulsions. 2,615,851, Oct. 28.

Manzer, Donald N., near Walnut Creek, assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif. Making a bituminous emulsion. 2,620,312, Dec. 2.

Mape, E. T., assignee: *See*—
Armon, Robert L., and Winslow.

Mapelsden, George C., Easton, Conn., assignor to General Electric Company. Emergency release mechanism for power-driven wringers. 2,603,961, July 22.

Mapes Consolidated Manufacturing Company, assignee: *See*—
De Reamer, William J.
Nelson, Arthur W., and Alfreds.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Purging apparatus for fuel storage spaces and the like. 2,586,839, Feb. 26.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Valve operating means. 2,592,816, Apr. 15.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Valve. 2,602,466, July 8.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Electrostatic charge protected carbon dioxide dispensing shield. 2,603,299, July 15.

Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Valve. 2,607,367, Aug. 19.

Mapes, Daniel, West Caldwell, and W. A. V. Thomsen, Glen Ridge, assignors to Specialties Development Corporation, Belleville, N. J. Portable fire extinguishing apparatus. 2,580,448, Jan. 1.

Mapes, Leslie A., Palisade, N. J. Milk pump. 2,618,225, Nov. 18.

Mapson, Donald L., Los Angeles, Calif. Wall display fixture. 2,614,701, Oct. 21.

Marador Corporation, assignee: *See*—
Wiser, Guy B.

Maragliano, Domenico, Milan, Italy, assignor to Montecatini Società Generale per l'Industria Mineraria E Chimica Anonima. Preparation of vinylic ethers. 2,617,829, Nov. 11.

Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Loose leaf paper safe and dispenser. 2,609,219, Sept. 2.

Marasco, Anthony, Los Angeles, Calif. Selectively automatic, stitch-varying device. 2,623,487, Dec. 30.

Marasco, Harold E., Swampscott, Mass. Sole press of the turret type. 2,608,703, Sept. 2.

Marathon Coal Bit Company, Incorporated, assignee: *See*—
Keller, Spencer R.

Marathon Corporation, assignee: *See*—
Asmussen, Jes, and Gruper.
Cherepow, Frederic H., and Forcey.
Farrell, Robert A., and Mueller.
Farrell, Robert A., Mueller, and Bartes.
Rumberger, George G., and Heald.

Marbelite Company, Inc., The, assignee: *See*—
Diebold, Anton.

Marbeuf, Armand J., Rabat, Morocco. Tongs for test tubes or the like. 2,608,433, Aug. 26.

Marble, B. S., Chair Company, The, assignee: *See*—
Pettibone, Charles L.

Marble, Jarvis C., trustee, assignee: *See*—
Åhlén, Karl G.
Boestad, Gustav K. W.
Boestad, Gustav K. W., and Lindhagen.
Nilsson, Hans R.
Wahlsten, Gösta L. B., and Boestad.

Marbury, Ralph E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage protective gap device. 2,597,012, May 20.

Marcantel, Joe, assignor to Hillyer Deutsch Edwards, Inc., Oakdale, La. Pusher feed saw table loading device. 2,610,729, Sept. 16.

Marcantel, Joe, assignor to Hillyer Deutsch Edwards, Inc., Oakdale, La. Machine for spreading glue on the edges of boards. 2,622,557, Dec. 23.

Marcell, Howard K., Irvington, N. J. Whistling toy. 2,608,795, Sept. 2.

Marcellus, Ada C., New York, N. Y. Powder box compact. 2,601,940, July 1.

Marcellus, Brooks, assignor to Barber-Colman Company, Rockford, Ill. Condition responsive instrument. 2,602,350, July 8.

Marcellus, Brooks, assignor to Barber-Colman Company, Rockford, Ill. Cone winder tension compensator. 2,618,441, Nov. 18.

Marcellus, James D., Belvidere, Ill. Tap holder. 2,609,551, Sept. 9.

Marcerou, Paul, Paris, France, assignor to "Sonapar," Societe de Participation, S. A., Luxembourg, Luxembourg. Tool for drilling rocks and the like and drilling device comprising such tools. 2,599,770, June 10.

March, Laurel A., San Jose, Calif., assignor to General Electric Company. Dynamoelectric machine. 2,620,449, Dec. 2.

Marchadour, Henri, Quimper, France. Measuring and box filling machine. 2,590,556, Mar. 25.

Marchal, Raymond H.: *See*—
Bertin, Jean H., and Marchal.

Marchal, Raymond H., and O. Y. Durouchoux, assignors to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Moving fluid, particularly for lubrication of internal-combustion engine pistons. 2,599,851, June 10.

Marchand, Adamir, La Chaux de Fonds, Switzerland, assignor to Benrus Watch Company, Inc., New York, N. Y. Calendar timepiece. 2,581,268, Jan. 1.

Marchand, Adolph, Jackson Heights, N. Y. Glass grinding machine. 2,598,405, May 27.

Marchand, Joseph A.: *See*—
Honeycutt, James V., Platis, and Marchand.

Marchant Calculating Machine Company, assignee: *See*—
Avery, Harold T.
Boyden, Robert E.
Burns, Meryl C.
Hurni, George K.

Marchant, Francis C. I.: *See*—
Owner, Frank M., Mansell, and Marchant.

Marchant, Francis C. I., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Transmission gearing for power plants. 2,609,707, Sept. 9.

Marchant, Francis C. I., and G. M. Lewis, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Aircraft cabin pressurizing and air conditioning apparatus. 2,614,815, Oct. 21.

Marchant, Lawrence E., Toronto, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Oil supply and scavenge system. 2,604,188, July 22.

Marchant, Rodney H., Oakland, Calif. Operating mechanism for faucets. 2,603,445, July 15.

Marchese, Mary, New York, N. Y. Bedclothes clamp. 2,605,524, Aug. 5.

Marchese, Vincent J., Brooklyn, N. Y. Magnetic toy mouse. 2,606,397, Aug. 12.

Marchessault, George S., Lowell, Mass. Guardrail bracket for ladder staging. 2,618,515, Nov. 18.

Marchetti, John W., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Pulse modulator circuit. 2,597,013, May 20.

Marchetti, John W., Oceanport, N. J., assignor to the United States of America as represented by the Secretary of War. Antenna switching system. 2,594,328, Apr. 29.

Marchionda, Tony F., Struthers, Ohio. Apparatus for holding and elevating garment bags. 2,618,422, Nov. 18.

Marchisio, Robert G.: *See*—
Kingston, Ronald E., and Marchisio.

Marchment, William T., J. R. Boundy, and S. A. Bergen, Chiswick, London, assignors to Evershed and Vignoles Limited, London, England. Electrical controlling apparatus. 2,608,678, Aug. 26.

Marcks, O. D., assignee: *See*—
Carlson, Emil.

Marco Chemicals, Inc., assignee: *See*—
Muskat, Irving E.

Marco Company, Inc., assignee: *See*—
Marco, John.

Marco, Frederick J., Des Plaines, Ill. Brush having bristle cleaning apertures. 2,582,552, Jan. 15.

Marco, John, assignor to Marco Company, Inc., Wilmington, Del. Foam rubber mattresses, cushions, seats, and the like. 2,604,642, July 29.

Marco, John, assignor to Marco Company, Inc., Wilmington, Del. Unit equipment for successively treating and refining of food and analogous materials. 2,605,086, July 29.

Marco, Salvatore M., Columbus, assignor to Toledo Scale Company, Toledo, Ohio. Electric computing mechanism. 2,584,897, Feb. 5.

Marco, Salvatore M., and W. L. Davis, Columbus, assignors to Toledo Scale Company, Toledo, Ohio. Electrically actuated weighing scale. 2,598,812, June 3.

Marconi, Joseph, assignee: *See*—
Thomas, Orrin H., and Snyder.

Marconi's Wireless Telegraph Company Limited, assignee: *See*—
Brailsford, Joseph D., and Vass.
Hatch, James F., and Brittain.
Ramsay, John F., and Peat.
Whitaker, Leonard W.

Marcotte, Louis P., Montreal, Quebec, Canada. Fin type radiator. 2,602,650, July 8.

Marcotte, Norbert T.: *See*—
Goins, Edward K., and Marcotte.

Marcotte, Raymond J.: *See*—
Smith, Russell J., and Marcotte.

Marcou, Jean, assignor to Societe Anonyme Tecalemit, Paris, France. Tanking plant. 2,595,399, May 6.

Marcouiller, Ernest J., New York, N. Y. Apparatus for taking photographs of body cavities. 2,601,406, June 24.

Marcoux, Melvin W., assignor to Armour and Company, Chicago, Ill. Preparation of diacetyl with butter cultures. 2,586,072, Feb. 19.

Marcum, Jess I., Santa Monica, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-frequency microwave oscillator. 2,601,539, June 24.

Marcus, Arthur A., and J. S. Goldberg, Brooklyn, N. Y. Bracket for adjustably mounting oil burners. 2,601,540, June 24.

Marcus, Jerome, assignee: *See*—
Burke, James P.
Marcus, Joseph K., New York, N. Y. Calcium phosphate gels. 2,606,229, July 29.
Marcus, Nathan, Union City, N. J. Distant reading liquid reservoir gauge. 2,593,587, Apr. 22.
Marcus, William, Cleveland, Ohio. Vegetable grater. 2,615,486, Oct. 28.
Marcussen, Kenneth R., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Composite drain fitting. 2,583,300, Jan. 22.
Marcy, Grosvenor D.: *See*—
Knowland, Thomas M., and Marcy.
Marcy, Henry O., 3rd, Park Ridge, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Automatic gain control circuit for electron multiplier phototubes. 2,605,430, July 29.
Marcy, Henry T., Staten Island, N. Y., E. Mayer, Jersey City, N. J., and J. F. Reeves, Staten Island, N. Y., assignors to The M. W. Kellogg Co., Jersey City, N. J. Control and indicating means. 2,615,490, Oct. 28.
Marden, Edward R., Chicago, Ill. Train weighing method. 2,621,035, Dec. 9.
Mardis, Leonard C., San Angelo, Tex. Valved piston for deep-well lift pumps. 2,583,111, Jan. 22.
Marecki, Joseph J.: *See*—
Critchlow, Howard T., Jr., and Marecki.
Marek, Anthony J., London, England. Drip-feed device. 2,617,561, Nov. 11.
Marek, Jan I., Margate, and L. Steinberg, Ramsgate, England. Screen printing machine for textiles. 2,612,835, Oct. 7.
Marek, Josef, Moravska Ostrava, Czechoslovakia. Closure for fermentation vessels. 2,606,687, Aug. 12.
Maremont Automotive Products, Inc., assignee: *See*—
Hedrick, Gale H.
Mares, Lodovico: *See*—
Petrelli, Ivo, and Mares.
Mares, Vojtěch, Prague, Czechoslovakia. Method and apparatus for continuous refining and simultaneous deodorizing raw fats and oils by distilling free aliphatic acids therefrom. 2,594,953, Apr. 29.
Maresca, Peter T., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Positive pedestal switched video tube. 2,584,144, Feb. 5.
Margala, Charles E., Youngstown, Ohio. Dump body tilting mechanism. 2,593,776, Apr. 22.
Margaretten, Marcus: *See*—
Singer, Harold, Margaretten, and Hansen.
Margison, Arthur D., and A. Craigon, assignors to Margison & Babcock, Toronto, Ontario, Canada. Mechanism for raising aircraft hangar doors. 2,614,835, Oct. 21.
Margison and Babcock, assignee: *See*—
Craigon, Adam.
Margison & Babcock, assignee: *See*—
Margison, Arthur D., and Craigon.
Margolin, Edward, Philadelphia, Pa. Grinder. 2,588,025, Mar. 4.
Margolis, John A., assignee: *See*—
Seidel, Stephen G., and Lownes.
Margon Corporation, assignee: *See*—
Canham, George E.
Cohn, David, and Kusold.
Kusold, Charles.
Wilhelm, John H.
Margraf, Harry J., Altadena, and W. F. MacGlashan, Jr., Alhambra, Calif., assignors to the United States of America as represented by the Secretary of the Army. Valve actuated by fusible plug. 2,620,815, Dec. 9.
Margulis, Peter H., New York, N. Y. Footwear and making same. 2,599,116, June 3.
Mariani, Dominic, J. A. Patasce and G. Roebuck, Youngstown, Ohio. Variable number indicator. 2,600,790, June 17.
Mariani, Frank N., New York, N. Y. Ice crusher. 2,586,678, Feb. 19.
Mariani, Frank N., Washington Heights, New York, N. Y. Tank cap. 2,597,014, May 20.
Mariani, Frank N., New York, N. Y. Knuckle joint for rearvision reflectors. 2,600,893, June 17.
Marié, Pierre, Boston, Mass., assignor to Societe francaise Sadir-Carpentier, Paris, France. Directional coupler for polyphase networks. 2,614,170, Oct. 14.
Marié, Robert P., Neuilly, assignor to Societe francaise Sadir-Carpentier, Paris, France. High-frequency amplifying system. 2,594,954, Apr. 29.
Marien, Charles A.: *See*—
Sundberg, Gustave L., and Marien.
Marien, Charles A., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,589,106, Mar. 11.
Marien, Clement, Attleboro, Mass., assignor to Swank, Inc. Belt buckle. 2,597,155, May 20.
Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Cravat clasp. 2,584,215, Feb. 5.
Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Pivoted head cuff link. 2,586,434, Feb. 19.
Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Cuff button. 2,600,894, June 17.
Marien, Melvin W., Richmond Heights, Mo., assignor to Ramsey Corporation, Cleveland, Ohio. Piston packing ring. 2,600,310, June 10.
Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,585,952, Feb. 19.
Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,589,107, Mar. 11.
Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,609,260, Sept. 2.
Marienthal, Paul, deceased, Detroit, Mich.; National Bank of Detroit and Benjamin Shwayder, executors of the estate of said Marienthal, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Mixing machine. 2,603,461, July 15.
Marik, Edward, assignee: *See*—
Wincentsen, Forest R.
Marin, Rafael, Bronx, N. Y. Combination brassière slip. 2,585,567, Feb. 12.
Marinace, John C., and T. E. Le Loup, Schenectady, N. Y., assignors to General Electric Company. Crucible for the purification of molten substances. 2,615,060, Oct. 21.
Marine Aircraft Corporation, The, assignee: *See*—
McCarty, Lewis C., Jr., and Felio.
Marine Optical Manufacturing Co., assignee: *See*—
Ditto, Eugene D.
Mariner, Norman E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying ribbed strips to orthopedic insoles. 2,594,470, Apr. 29.
Mariner, Norman E., Beverly, and L. G. Knowles, Hamilton, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in making insoles. 2,613,377, Oct. 14.
Mariner, Thomas: *See*—
Stamm, Robert F., and Mariner.
Stamm, Robert F., Mariner, Barnes, and Stryker.
Marino, Joseph, Brooklyn, N. Y. Electric lamp with ball switch. 2,591,571, Apr. 1.
Marinovich, Sam G., Los Angeles, Calif. Pipe-cutting machine. 2,623,285, Dec. 30.
Marion Chair Company, Inc., The, assignee: *See*—
Pratt, Marion L.
Marion, Henry: *See*—
Buchy, Louis G., and Marion.
Marion, Jean: *See*—
Coyne, André, Bellier, and Marion.
Marion Power Shovel Company, assignee: *See*—
Wilson, Ellis C.
Marisic, Milton M.: *See*—
Porter, Charles A., and Marisic.
Marison Company, The, assignee: *See*—
Hill, Robert H.
Marjama, Alvin L., Monterey Park, Calif. Sandblast nozzle. 2,587,184, Feb. 26.
Mark, Clayton, Jr., Wilmette, assignor to Clayton Mark & Company, Evanston, Ill. Pump. 2,621,605, Dec. 16.
Mark, Clayton, & Company, assignee: *See*—
Mark, Clayton, Jr.
Mark, Jacob G., Brookline, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Chlorinated lime composition. 2,589,108, Mar. 11.
Mark, Louis, & Company, assignee: *See*—
Derham, Philip A.
Markarian, Moushy: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Ross, Sidney D., and Markarian.
Ross, Sidney D., Markarian, and Nazzewski.
Markel, John M.: *See*—
Shouler, John E., and Markel.
Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 2,602,389, July 8.
Markel, Michael A., East Chicago, and D. MacGregor, Munster, assignors to Edward Valves Incorporated, East Chicago, Ind. Valve bonnet structure. 2,610,820, Sept. 16.
Markem Machine Company, assignee: *See*—
Meyers, Otto B.
Marken, Richard F., Burlingame, Calif. Grain conditioner. 2,591,173, Apr. 1.
Markert, John E. R., Lititz, and J. D. Smith, assignors to Hamilton Watch Company, Lancaster, Pa. Semiautomatic pivot polisher. 2,614,465, Oct. 21.
Markes, Orland W., Detroit, Mich. Ink applicator for typewriter ribbons. 2,588,548, Mar. 11.
Market Forge Co., assignee: *See*—
Warshaw, Nathaniel.
Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Incubator and hatcher. 2,603,182, July 15.
Märki, Emil, Basel, Switzerland. Dental prothesis. 2,590,258, Mar. 25.
Markin, Louis, assignor, by mesne assignments, to Hook-Flex Company, Chicago, Ill. Eye-stay assembly for fabric fastening. 2,593,162, Apr. 15.
Markin, Louis, assignor, by mesne assignments, to Hook-Flex Company, Chicago, Ill. Fabrication of garment fastening element. 2,597,654, May 20.
Markkula, Armas C.: *See*—
Gallant, Alfred E., and A. C. and R. F. Markkula.

Markkula, Raymond F.: *See*—
Gallant, Alfred E., and A. C. and R. F. Markkula.
Markle, Carl F., Pennsboro, W. Va. Metal awning. 2,585,147, Feb. 12.
Markle, Edward D., Jefferson City, Mo. Photographic stand. 2,599,269, June 3.
Markle, Edward D., Jefferson City, Mo. Camera focusing device. 2,609,737, Sept. 9.
Markle, George M., Grand Rapids, Mich. Spring wire seat filler. 2,622,661, Dec. 23.
Markley, William F., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Resiliently mounted spool type insulator. 2,623,094, Dec. 23.
Marko, Adolf and K. Kordesch, Vienna, Austria, assignors to O. Burkli, Zurich, Switzerland. Manufacturing porous carbon electrodes. 2,615,932, Oct. 28.
Markoski, John A., Lancaster, Pa., assignor to Radio Corporation of America. Infrared quenchable zinc sulfide phosphors. 2,615,849, Oct. 28.
Markowitz, Albert A., Bronx, N. Y. Magnetic holder for pencils. 2,594,955, Apr. 29.
Markowitz, Joseph, New York, N. Y. Camera and lamp supporting device. 2,614,471, Oct. 21.
Marks, Bert H., assignor to Globe-Union Inc., Milwaukee, Wis. Multiple capacitor unit. 2,619,519, Nov. 25.
Marks, Charles B.: *See*—
Black, Leroy E., Marks, and Tenney.
Tenney, William L., and Marks.
Marks, Charles E., Lee, Mass., assignor to General Electric Company. Apparatus for affixing condenser tap straps to mounting strip material. 2,597,884, May 27.
Marks, Charles E., Lee, Mass., assignor to General Electric Company. Affixing condenser tap straps to mounting strip material. 2,597,885, May 27.
Marks, Frederick J., Barnsboro, N. J. Hydraulic brake fluid warning device. 2,613,293, Oct. 7.
Marks, Henry C., Glen Ridge, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. Y. Electrochemical method of automatically determining available chlorine in an aqueous liquid. 2,585,811, Feb. 12.
Marks, Henry C., Glen Ridge, and F. B. Strandskov, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for disinfecting aqueous liquids with bromine. 2,580,808, Jan. 1.
Marks, Henry C., Glen Ridge, and F. B. Strandskov, Clifton, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for purifying aqueous liquid. 2,580,809, Jan. 1.
Marks, Henry C., Glen Ridge, and D. H. Horchler, Pompton Plains, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Treatment of natural, grown products to inhibit deterioration. 2,604,408, July 22.
Marks, Henry C., Glen Ridge, and R. R. Joiner, Newark, assignors to Novadel-Agene Corporation, Belleville, N. J. Manufacture of chlorine dioxide. 2,616,792, Nov. 4.
Marks, Hirsch, New York, N. Y. X-ray therapy grid. 2,624,013, Dec. 30.
Marks, Jerome L., Milwaukee, and D. J. Pelk, Waukesha, Wis. X-ray table and cassette visualizing device. 2,617,943, Nov. 11.
Marks, Joseph D.: *See*—
Cassidy, John D., and Marks.
Marks, Joseph N., assignee: *See*—
Hills, Elmer G.
Marks, Louis W., Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,601,042, June 17.
Marks, Milton, Pittsburgh, Pa. Screw-hole liner. 2,588,860, Mar. 11.
Marks, Morris M., assignee: *See*—
Mellard, Prather O.
Marks, Roy L.: *See*—
Godshall, Nicholas G., and Marks.
Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Force measuring device of the diaphragm type provided with a valve for automatically applying a balancing pressure to the diaphragm. 2,593,906, Apr. 22.
Markunas, Peter C.: *See*—
Senkus, Murray, and Markunas.
Markus, Ernest, assignee: *See*—
Klagsbrunn, Josef.
Markvart, Edwin J., assignor to Spengler-Loomis Manufacturing Co., Rockford, Ill. Swivel knob construction. 2,621,947, Dec. 16.
Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Hydrolysis of steroid epoxides. 2,582,263, Jan. 15.
Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Trihydroxy steroid adducts. 2,592,586, Apr. 15.
Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kala-
Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid adducts. 2,621,181, Dec. 9.
mazoo, Mich. Steroid compounds. 2,615,017, Oct. 21.
Marler, George O., Tulsa, Okla., assignor of one-third to L. M. Herod, Hollywood, and one-third to J. M. Seal, Woodland Hills, Calif. Straight beam adjustable jaw cam clamp. 2,619,138, Nov. 25.
Marley, Leslie C., Milwaukee, Wis. Hand trap. 2,586,547, Feb. 19.
Marlin Firearms Company, The, assignee: *See*—
Robinson, Thomas R., Jr.
Marlin, Howard K., Milroy, Ind. Corn rake attachment. 2,594,573, Apr. 29.
Marling, Paul E.: *See*—
Nielsen, Morris L., and Marling.
Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl tall oil ester coating compositions. 2,587,497, Feb. 26.
Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated oil, styrene oxide-phenol resin, drying oil coating composition. 2,598,644, May 27.
Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated-unsaturated oil modified alkyd, drying oil, and a phenol-styrene oxide resin coating composition. 2,598,645, May 27.
Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated oil-tall oil vinyl esters coating compositions. 2,603,611, July 15.
Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrene-alkyd resin copolymer. 2,606,161, Aug. 5.
Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Coating compositions. 2,617,776, Nov. 11.
Marling, Paul E., and M. L. Nielsen, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Noncombustible coating composition and applying. 2,596,496, May 13.
Marlow, Chester K., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Keyboard key. 2,615,549, Oct. 28.
Marlow Pumps, Incorporated, assignee: *See*—
Moore, Charles R.
Marlowe, Elbert W., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Carrier inductive communication system for vehicles. 2,611,075, Sept. 16.
Marlowe, Harold J., assignor to W. Hughes, New York, and L. N. Weiss, New Rochelle, N. Y. Shoe with detachable upper. 2,607,133, Aug. 19.
Marman Products Co., Inc., assignee: *See*—
Christophersen, Clarence E.
Mahoff, George A., and Jessup.
Marx, Zeppo.
Marman Products Company, Inc., assignee: *See*—
Christophersen, Clarence E.
Marmo, Americo: *See*—
Lopes, Antonio A., and Marmo.
Marmon-Herrington Company, Inc., assignee: *See*—
Herrington, Arthur W.
Marmont, George H., Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich. Sonic tube. 2,582,141, Jan. 8.
Marmont, George H., Chicago, Ill., and B. M. Oliver, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing circuit. 2,607,892, Aug. 19.
Marmor, Ralph A., and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Decolorizing a soybean oil miscella. 2,608,566, Aug. 26.
Marnon, Donald E., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing organic pigments in finely divided form. 2,611,771, Sept. 23.
Marong, Michael P., Warsaw, N. Y. Ball and runway toy and handle therefor. 2,614,361, Oct. 21.
Maroshick, Max, Baltimore, Md. Fishing reel. 2,593,045, Apr. 15.
Maroth, Arthur M., Wilton, assignor of one-third to K. Christensen, Norwalk, Conn., and one-third to W. C. McTarnahan, New York, N. Y., G. K. McTarnahan, W. N. Maguire and Bankers Trust Company, executors of said W. C. McTarnahan, deceased. Vice jaw face plate. 2,609,717, Sept. 9.
Marotta, Ralph: *See*—
Wilson, Ivan V., and Marotta.
Marous, Leonard F.: *See*—
Comerford, Robert E., Fuhrman, and Marous.
Danzig, Meyer H., and Marous.
Marous, Leonard F., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with conjugated dienes. 2,616,883, Nov. 4.
Marous, Leonard F., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with cyclomonoolefins. 2,616,884, Nov. 4.
Marous, Leonard F., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with styrene and its derivatives. 2,616,885, Nov. 4.
Marquardt, Carlton M., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Flush system for specific gravity measuring devices equipped with bubble tubes. 2,604,778, July 29.

Marcus, Jerome, assignee: *See*—
Burke, James P.

Marcus, Joseph K., New York, N. Y. Calcium phosphate gels. 2,605,229, July 29.

Marcus, Nathan, Union City, N. J. Distant reading liquid reservoir gauge. 2,593,587, Apr. 22.

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Knowland, Thomas M., and Marcy.

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Marden, Edward R., Chicago, Ill. Train weighing method. 2,621,035, Dec. 9.

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Critchlow, Howard T., Jr., and Marecki.

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Hedrick, Gale H.

Mares, Lodovico: *See*—
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Singer, Harold, Margaretten, and Hansen.

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Margison and Babcock, assignee: *See*—
Craigon, Adam.

Margison & Babcock, assignee: *See*—
Margison, Arthur D., and Craigon.

Margolin, Edward, Philadelphia, Pa. Grinder. 2,588,025, Mar. 4.

Margolis, John A., assignee: *See*—
Seidel, Stephen G., and Lownes.

Margon Corporation, assignee: *See*—
Canham, George E.
Cohn, David, and Kusold.
Kusold, Charles.
Wilhelm, John H.

Margraf, Harry J., Altadena, and W. F. MacGlashan, Jr., Alhambra, Calif., assignors to the United States of America as represented by the Secretary of the Army. Valve actuated by fusible plug. 2,620,815, Dec. 9.

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Marien, Charles A.: *See*—
Sundberg, Gustave L., and Marien.

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Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Pivoted head cuff link. 2,586,434, Feb. 19.

Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Cuff button. 2,600,894, June 17.

Marien, Melvin W., Richmond Heights, Mo., assignor to Ramsey Corporation, Cleveland, Ohio. Piston packing ring. 2,600,310, June 10.

Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,585,952, Feb. 19.

Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,589,107, Mar. 11.

Marien, Melvin W., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston packing ring. 2,609,260, Sept. 2.

Marienthal, Paul, deceased, Detroit, Mich.; National Bank of Detroit and Benjamin Shwayder, executors of the estate of said Marienthal, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Mixing machine. 2,603,461, July 15.

Marik, Edward, assignee: *See*—
Wincentsen, Forest R.

Marin, Rafael, Bronx, N. Y. Combination brassière slip. 2,585,567, Feb. 12.

Marinace, John C., and T. E. Le Loup, Schenectady, N. Y., assignors to General Electric Company. Crucible for the purification of molten substances. 2,615,060, Oct. 21.

Marine Aircraft Corporation, The, assignee: *See*—
McCarty, Lewis C., Jr., and Fello.

Marine Optical Manufacturing Co., assignee: *See*—
Ditto, Eugene D.

Mariner, Norman E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying ribbed strips to orthopedic insoles. 2,594,470, Apr. 29.

Mariner, Norman E., Beverly, and L. G. Knowles, Hamilton, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in making insoles. 2,613,377, Oct. 14.

Mariner, Thomas: *See*—
Stamm, Robert F., and Mariner.
Stamm, Robert F., Mariner, Barnes, and Stryker.

Marino, Joseph, Brooklyn, N. Y. Electric lamp with ball switch. 2,591,571, Apr. 1.

Marinovich, Sam G., Los Angeles, Calif. Pipe-cutting machine. 2,623,285, Dec. 30.

Marion Chair Company, Inc., The, assignee: *See*—
Pratt, Marion L.

Marion, Henry: *See*—
Buchy, Louis G., and Marion.

Marion, Jean: *See*—
Coyne, André, Bellier, and Marion.

Marion Power Shovel Company, assignee: *See*—
Wilson, Ellis C.

Marisic, Milton M.: *See*—
Porter, Charles A., and Marisic.

Marison Company, The, assignee: *See*—
Hill, Robert H.

Marjama, Alvin L., Monterey Park, Calif. Sandblast nozzle. 2,587,184, Feb. 26.

Mark, Clayton, Jr., Wilmette, assignor to Clayton Mark & Company, Evanston, Ill. Pump. 2,621,605, Dec. 16.

Mark, Clayton, & Company, assignee: *See*—
Mark, Clayton, Jr.

Mark, Jacob G., Brookline, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Chlorinated lime composition. 2,589,108, Mar. 11.

Mark, Louis, & Company, assignee: *See*—
Derham, Philip A.

Markarian, Moushy: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Ross, Sidney D., and Markarian.
Ross, Sidney D., Markarian, and Nazzewski.

Markel, John M.: *See*—
Shouler, John E., and Markel.

Markel, John M., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 2,602,389, July 8.

Markel, Michael A., East Chicago, and D. MacGregor, Munster, assignors to Edward Valves Incorporated, East Chicago, Ind. Valve bonnet structure. 2,610,820, Sept. 16.

Markem Machine Company, assignee: *See*—
Meyers, Otto B.

Marken, Richard F., Burlingame, Calif. Grain conditioner. 2,591,173, Apr. 1.

Markert, John E. R., Lititz, and J. D. Smith, assignors to Hamilton Watch Company, Lancaster, Pa. Semiautomatic pivot polisher. 2,614,465, Oct. 21.

Markes, Orland W., Detroit, Mich. Ink applicator for typewriter ribbons. 2,588,548, Mar. 11.

Market Forge Co., assignee: *See*—
Warshaw, Nathaniel.

Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Incubator and hatcher. 2,603,182, July 15.

Märki, Emil, Basel, Switzerland. Dental prothesis. 2,590,258, Mar. 25.

Markin, Louis, assignor, by mesne assignments, to Hook-Flex Company, Chicago, Ill. Eye-stay assembly for fabric fastening. 2,593,162, Apr. 15.

Markin, Louis, assignor, by mesne assignments, to Hook-Flex Company, Chicago, Ill. Fabrication of garment fastening element. 2,597,654, May 20.

Markkula, Armas C.: *See*—
Gallant, Alfred E., and A. C. and R. F. Markkula.

Markkula, Raymond F.: *See*—
Gallant, Alfred E., and A. C. and R. F. Markkula.

Markle, Carl F., Pennsboro, W. Va. Metal awning. 2,585,147, Feb. 12.

Markle, Edward D., Jefferson City, Mo. Photographic stand. 2,599,269, June 3.

Markle, Edward D., Jefferson City, Mo. Camera focusing device. 2,609,737, Sept. 9.

Markle, George M., Grand Rapids, Mich. Spring wire seat filler. 2,622,661, Dec. 23.

Markley, William F., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Resiliently mounted spool type insulator. 2,623,094, Dec. 23.

Marko, Adolf and K. Kordesch, Vienna, Austria, assignors to O. Burkll, Zurich, Switzerland. Manufacturing porous carbon electrodes. 2,615,932, Oct. 28.

Markoski, John A., Lancaster, Pa., assignor to Radio Corporation of America. Infrared quenchable zinc sulfide phosphors. 2,615,849, Oct. 28.

Markowitz, Albert A., Bronx, N. Y. Magnetic holder for pencils. 2,594,955, Apr. 29.

Markowitz, Joseph, New York, N. Y. Camera and lamp supporting device. 2,614,471, Oct. 21.

Marks, Bert H., assignor to Globe-Union Inc., Milwaukee, Wis. Multiple capacitor unit. 2,619,519, Nov. 25.

Marks, Charles B.: *See*—
Black, Leroy E., Marks, and Tenney.
Tenney, William L., and Marks.

Marks, Charles E., Lee, Mass., assignor to General Electric Company. Apparatus for affixing condenser tap straps to mounting strip material. 2,597,884, May 27.

Marks, Charles E., Lee, Mass., assignor to General Electric Company. Affixing condenser tap straps to mounting strip material. 2,597,885, May 27.

Marks, Frederick J., Barnsboro, N. J. Hydraulic brake fluid warning device. 2,613,293, Oct. 7.

Marks, Henry C., Glen Ridge, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. Y. Electrochemical method of automatically determining available chlorine in an aqueous liquid. 2,585,811, Feb. 12.

Marks, Henry C., Glen Ridge, and F. B. Strandskov, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for disinfecting aqueous liquids with bromine. 2,580,808, Jan. 1.

Marks, Henry C., Glen Ridge, and F. B. Strandskov, Clifton, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for purifying aqueous liquid. 2,580,809, Jan. 1.

Marks, Henry C., Glen Ridge, and D. H. Horchler, Pompton Plains, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Treatment of natural, grown products to inhibit deterioration. 2,604,408, July 22.

Marks, Henry C., Glen Ridge, and R. R. Joiner, Newark, assignors to Novadel-Agene Corporation, Belleville, N. J. Manufacture of chlorine dioxide. 2,616,792, Nov. 4.

Marks, Hirsch, New York, N. Y. X-ray therapy grid. 2,624,013, Dec. 30.

Marks, Jerome L., Milwaukee, and D. J. Pelk, Waukesha, Wis. X-ray table and cassette visualizing device. 2,617,943, Nov. 11.

Marks, Joseph D.: *See*—
Cassidy, John D., and Marks.

Marks, Joseph N., assignee: *See*—
Hills, Elmer G.

Marks, Louis W., Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,601,042, June 17.

Marks, Milton, Pittsburgh, Pa. Screw-hole liner. 2,588,860, Mar. 11.

Marks, Morris M., assignee: *See*—
Mellard, Prather O.

Marks, Roy L.: *See*—
Godsball, Nicholas G., and Marks.

Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Force measuring device of the diaphragm type provided with a valve for automatically applying a balancing pressure to the diaphragm. 2,593,906, Apr. 22.

Markunas, Peter C.: *See*—
Senkus, Murray, and Markunas.

Markus, Ernest, assignee: *See*—
Klagsbrunn, Josef.

Markvart, Edwin J., assignor to Spengler-Loomis Manufacturing Co., Rockford, Ill. Swivel knob construction. 2,621,947, Dec. 16.

Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Hydrolysis of steroid epoxides. 2,582,263, Jan. 15.

Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Trihydroxy steroid adducts. 2,592,586, Apr. 15.

Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kala-

Marlatt, Paul E., A. R. Hanze, A V. McIntosh, Jr., and R. H. Levin, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid adducts. 2,621,181, Dec. 9. mazoo, Mich. Steroid compounds. 2,615,017, Oct. 21.

Marler, George O., Tulsa, Okla., assignor of one-third to L. M. Herod, Hollywood, and one-third to J. M. Seal, Woodland Hills, Calif. Straight beam adjustable jaw cam clamp. 2,619,138, Nov. 25.

Marley, Leslie C., Milwaukee, Wis. Hand trap. 2,586,547, Feb. 19.

Marlin Firearms Company, The, assignee: *See*—
Robinson, Thomas R., Jr.

Marlin, Howard K., Milroy, Ind. Corn rake attachment. 2,594,573, Apr. 29.

Marling, Paul E.: *See*—
Nielsen, Morris L., and Marling.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl tall oil ester coating compositions. 2,587,497, Feb. 26.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated oil, styrene oxide-phenol resin, drying oil coating composition. 2,598,644, May 27.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated-unsaturated oil modified alkyd, drying oil, and a phenol-styrene oxide resin coating composition. 2,598,645, May 27.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated oil-tall oil vinyl esters coating compositions. 2,603,611, July 15.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrene-alkyd resin copolymer. 2,606,161, Aug. 5.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Coating compositions. 2,617,776, Nov. 11.

Marling, Paul E., and M. L. Nielsen, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Noncombustible coating composition and applying. 2,596,496, May 13.

Marlow, Chester K., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Keyboard key. 2,615,549, Oct. 28.

Marlow Pumps, Incorporated, assignee: *See*—
Moore, Charles R.

Marlowe, Elbert W., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Carrier inductive communication system for vehicles. 2,611,075, Sept. 16.

Marlowe, Harold J., assignor to W. Hughes, New York, and L. N. Weiss, New Rochelle, N. Y. Shoe with detachable upper. 2,607,133, Aug. 19.

Marman Products Co., Inc., assignee: *See*—
Christophersen, Clarence E.
Mahoff, George A., and Jessup.
Marx, Zeppo.

Marman Products Company, Inc., assignee: *See*—
Christophersen, Clarence E.

Marmo, Americo: *See*—
Lopes, Antonio A., and Marmo.

Marmon-Herrington Company, Inc., assignee: *See*—
Herrington, Arthur W.

Marmont, George H., Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich. Sonic tube. 2,582,141, Jan. 8.

Marmont, George H., Chicago, Ill., and B. M. Oliver, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing circuit. 2,607,892, Aug. 19.

Marmor, Ralph A., and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Decolorizing a soybean oil miscella. 2,608,566, Aug. 26.

Marnon, Donald E., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing organic pigments in finely divided form. 2,611,771, Sept. 23.

Marong, Michael P., Warsaw, N. Y. Ball and runway toy and handle therefor. 2,614,361, Oct. 21.

Maroshick, Max, Baltimore, Md. Fishing reel. 2,593,045, Apr. 15.

Maroth, Arthur M., Wilton, assignor of one-third to K. Christensen, Norwalk, Conn., and one-third to W. C. McTarnahan, New York, N. Y., G. K. McTarnahan, W. N. Maguire and Bankers Trust Company, executors of said W. C. McTarnahan, deceased. Vice jaw face plate. 2,609,717, Sept. 9.

Marotta, Ralph: *See*—
Wilson, Ivan V., and Marotta.

Marous, Leonard F.: *See*—
Comerford, Robert E., Fuhrman, and Marous.
Danzig, Meyer H., and Marous.

Marous, Leonard F., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with conjugated dienes. 2,616,883, Nov. 4.

Marous, Leonard F., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with cyclomonoolefins. 2,616,884, Nov. 4.

Marous, Leonard F., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with styrene and its derivatives. 2,616,885, Nov. 4.

Marquardt, Carlton M., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Flush system for specific gravity measuring devices equipped with bubble tubes. 2,604,778, July 29.

Marquardt, Leonard A., Elmhurst, and C. E. Gorton, assignors to W. H. Miner, Inc., Chicago, Ill. Hand brake for railway cars. 2,586,969, Feb. 26.

Marquette Metal Products Company, The, assignee: *See*—
Carey, Leory J.
Gleitz, Herbert, Miller, and Gleitz.
Gorske, Stanley F.
Gorske, Stanley F., and Pepper.
Greenlee, Harry R.
Moulton, Lloyd J.
Pepper, Carl P.
Sacchini, Columbus R.
Weiser, Robert E.

Marquez, Charles L., Jr., Jersey City, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Waste heat vapor generator. 2,620,780, Dec. 9.

Marr, John E., assignor to L. D. Reimann, Salem, Oreg. Holder for carbons used in projecting machines. 2,598,006, May 27.

Marra, Anthony, Manhasset, N. Y. Disk operated electric player for carillons. 2,598,574, May 27.

Marrett, Henry R., Coventry, assignor to Airmed Limited, Harcourt House, London County, England. Apparatus for the administration of inhalant gas mixtures. 2,586,677, Feb. 19.

Marriott, Ruby M., Hollywood, Calif. Scalp apron. 2,600,557, June 17.

Mars, Incorporated, assignee: *See*—
Morrison, Robert F.
Morrison, Robert F., and Clement.
Schelb, Ludwig G.

Marsal, Paul A., Rocky River, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dry cell. 2,605,298, July 29.

Marsala, Joseph C., Watertown, N. Y. Illuminated license plate holder. 2,608,013, Aug. 26.

Marschak, Howard J., Chicago, Ill. Circular building. 2,587,353, Feb. 26.

Marschke, Berthold V., administrator: *See*—
Marschke, Reinhold B.

Marschke, Berthold V., Lucca, N. Dak. Baseball game board with sliding panel. 2,585,259, Feb. 12.

Marschke, Reinhold B., deceased, St. Paul, Minn., by B. V. Marschke, administrator. Foldable stairs. 2,613,866, Oct. 14.

Marsden, Douglas J., San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit breaker. 2,586,361, Feb. 19.

Marsden, George B., Chicago, Ill. Protractor. 2,594,574, Apr. 29.

Marsden, Jeremiah, Mulino, Oreg. Rodent trap. 2,602,260, July 8.

Marsden, Ross S., Jr.: *See*—
De Boisblanc, Deslonde R., and Marsden.

Marseille, Walter W., San Francisco, Calif. Rotatable disk number game device. 2,606,024, Aug. 5.

Marsh, Albert M., Wauwatosa, Wis. Round molded gyratory bolter sieve. 2,587,498, Feb. 26.

Marsh, Allan O., Los Angeles, Calif. Multiple punch. 2,587,185, Feb. 26.

Marsh, E. H., trustee: *See*—
Martin, Thomas A.

Marsh, Ernest J., assignor to B. Goldberg doing business as Towbar Sales Co., Chicago, Ill. Wheeled scissors jack. 2,621,891, Dec. 16.

Marsh, Frank L., C. J. Koehler, and W. L. Chrisler, Kenmore, assignors to National Gypsum Company, Buffalo, N. Y. Making rigid type felted mineral wood product. 2,615,806, Oct. 28.

Marsh, Frederick W., assignor to Kestral Corporation, Springfield, Mass. Valve construction. 2,589,716, Mar. 18.

Marsh, Howard E., Ventura, Calif. Protective collar for drill pipes. 2,606,792, Aug. 12.

Marsh, Jas. P., Corporation, assignee: *See*—
Rose, Alexander D.
Willach, Bernhard.

Marsh, John W., Alexandria, Va. Throttle valve application. 2,588,549, Mar. 11.

Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine thiocyanate. 2,615,044, Oct. 21.

Marsh, Oliver A., Quincy, Ill. Grave marker. 2,593,468, Apr. 22.

Marsh Stencil Machine Company, assignee: *See*—
Marsh, Walton C.

Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Dispensing machine. 2,601,159, June 17.

Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Making brush tips. 2,610,896, Sept. 16.

Marshall, Aldon E., Bronx, N. Y. Dispensing container. 2,605,933, Aug. 5.

Marshall, Allan, Whiting, Ind. Combination smoker's pipe and bowl cleaner therefor. 2,585,812, Feb. 12.

Marshall, Audie R., House, N. Mex., assignor of fifty per cent to T. R. Marshall, Abilene, Tex. Motor-driven sheep foot tamper. 2,617,488, Nov. 11.

Marshall, Calvert D., Georgetown, Ky. Gear-operated wrench construction. 2,594,669, Apr. 29.

Marshall, Charles O., Jr., and M. C. Yeasting, assignors to Toledo Scale Company, Toledo, Ohio. Ratio-indicating weighing scale. 2,617,641, Nov. 11.

Marshall, Charles W.: *See*—
Crabtree, John O., and Marshall.

Marshall, Curtis, Baltimore, Md. Electronic timing device. 2,607,907, Aug. 19.

Marshall, Donald E., Edina, Minn., assignor to Micro Processing Equipment Inc., Des Plaines, Ill. Compacting soap into sound bars. 2,621,368, Dec. 16.

Marshall, Donald E., Minneapolis, Minn., assignor to Micro Processing Equipment Inc., Des Plaines, Ill. Composite detergent bar. 2,613,185, Oct. 7.

Marshall, Donald E., Summit, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Supporting and content dispensing attachment for collapsible tubes. 2,591,455, Apr. 1.

Marshall, Donald E., Summit, N. J., assignor to Micro Processing Equipment, Inc., Des Plaines, Ill. Compacting pulverized materials and product resulting therefrom. 2,594,956, Apr. 29.

Marshall, Donald E., Summit, N. J., assignor to Micro Processing Equipment, Inc., Des Plaines, Ill. Process and apparatus for modifying the physical characteristics of plastic materials. 2,619,680, Dec. 2.

Marshall, Donald E., and J. A. Harrington, Minneapolis, and R. L. Crane, Glen Lake, Minn., assignors to Micro Processing Equipment Inc., Des Plaines, Ill. Method and apparatus for cold milling soap and other materials. 2,620,511, Dec. 9.

Marshall, Edward J., assignor to A. K. Dorman, Cambridge, England. Spray nozzle. 2,608,442, Aug. 26.

Marshall Field and Company, assignee: *See*—
Moberg, Ivar O.
Simpson, Glenn H.

Marshall, Fitz-Hugh B., Glenshaw, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray motion-picture photography. 2,616,050, Oct. 28.

Marshall, Fitz-Hugh B., Glenshaw, and J. W. Coltman, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radiation detector. 2,612,610, Sept. 30.

Marshall, Frank M., Green Bay, Wis. Safety friction toolholder. 2,593,907, Apr. 22.

Marshall, Henry F., Walla Walla, Wash. Log or pipe transporter. 2,589,948, Mar. 18.

Marshall, James R., Temple, Tex., assignor to International Harvester Company. Bowl scraper attachment for tractors. 2,587,869, Mar. 4.

Marshall, Joseph C., Baldwin, and J. J. Connolly, assignors to The Teleregister Corporation, New York, N. Y. Indicator setting mechanism operable by means of character comparisons. 2,609,439, Sept. 2.

Marshall, Lee W., Terre Haute, Ind. Device for supporting pipe fittings for welding. 2,601,407, June 24.

Marshall, Leonard J., Tenafly, N. J., assignor to Combustion Engineering-Superheater, Inc. Heat exchange apparatus. 2,594,471, Apr. 29.

Marshall, Leonard J., Tenafly, N. J., assignor to Combustion Engineering-Superheater, Inc. Superheater control. 2,600,895, June 17.

Marshall, Manuel A., Escalon, Calif. Device for the relief of bloat in cattle. 2,581,679, Jan. 8.

Marshall, Marcus W., and J. H. Waxweiler, assignors to Armco Steel Corporation, Middletown, Ohio. Electric cladding. 2,585,568, Feb. 12.

Marshall, Preston F., Washington, D. C. Method and apparatus for preparing grass seed for planting. 2,601,620, June 24.

Marshall, Robert H., Washington, D. C. Motion recorder for torpedo controls. 2,586,840, Feb. 26.

Marshall, Robert W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical cavity resonator for microwaves. 2,587,055, Feb. 26.

Marshall, Samuel J. E., and L. M. Wilhoit, assignors to Otis Engineering Corporation, Dallas, Tex. Retrieving tool. 2,605,131, July 29.

Marshall, Thomas E., III: *See*—
Von Wald, Walter A., Jr., Marshall, and Bridge.

Marshall, Thomas E., III, Arlington, Va. Electrically heated wire stripping tool. 2,620,692, Dec. 9.

Marshall, Thomas R., assignee: *See*—
Marshall, Audie R.

Marshall, Walter R.: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.

Marshall, Walton H., Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of hydrazine hydrate. 2,583,584, Jan. 29.

Marshall, Walton H., Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of hydrazine hydrate. 2,583,585, Jan. 29.

Marshall, William A., Jr.: *See*—
Leslie, John H., II, and Marshall.

Marshall, William A., Jr., assignor to Stewart-Warner Corporation, Chicago, Ill. Thermostatic heater control. 2,610,796, Sept. 16.

Marsico, Eugene A.: *See*—
Marsico, Theodore W., E. A., W. E. and V. N.

Marsico, Theodore W., E. A., W. E. and V. N., Denison, Tex. Power press. 2,622,511, Dec. 23.

Marsico, Victor N.: *See*—
Marsico, Theodore W., E. A., W. E. and V. N.

Marsico, William E.: *See*—
Marsico, Theodore W., E. A., W. E. and V. N.

Marson Corp., assignee: *See*—
Lewis, Louis S.

Marson, George J., East Williston, N. Y. Oxygen tent canopy. 2,597,655, May 20.

Marsters, Alton K., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,587,870, Mar. 4.

Marston, Arthur E., and M. D. Adcock, Washington, D. C. Broadband helical antenna. 2,611,868, Sept. 23.

Marston, Arthur E., and M. D. Adcock, Washington, D. C. Multielement helix antenna. 2,616,046, Oct. 28.

Marston, Walter W., Wednesfield, and F. Neale, Coventry, England, said Neale assignor to said Marston. Fluid actuated suspension device for vehicles, aircraft, and the like. 2,620,182, Dec. 2.

Martel, Charles S., Medford, assignor to Standard-Thomson Corporation, Boston, Mass. Heat exchange apparatus. 2,602,648, July 8.

Martell, Jack A.: *See*—
Hall, Claude C., Hompe, and Martell.

Martelliotti, Mario, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic line tracking machine. 2,622,485, Dec. 23.

Martenot, Maurice, Neuilly-sur-Seine, France. Movable tape condenser for electronic generators. 2,581,680, Jan. 8.

Martenot, Maurice, Neuilly-sur-Seine, France. Musical sound generating device. 2,613,568, Oct. 14.

Martens, Charles R., Parma Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Treating vulcanizable rubber surfaces. 2,622,044, Dec. 16.

Martens, Vincent G., Rockwell City, Iowa. Bobber. 2,607,154, Aug. 19.

Martens, William G., Jr., Chatham, assignor to Pulverizing Machinery Company, Summit, N. J. Multiple unit self-cleaning dust filter. 2,594,957, Apr. 29.

Martensen, William M., Chicago, Ill. Fence. 2,600,666, June 17.

Marti, Beatrice G., assignee: *See*—
Simon, Arthur.

Marti, Fritz, La Chaux-de-Fonds, Switzerland. Device for fixing the outer end of a hairspring to the cock of timepieces. 2,589,717, Mar. 18.

Martial, Jacques, Great Neck, and L. L. Ciampa, assignors to United States Electric Mfg. Corp., New York, N. Y. Animatable toy. 2,616,215, Nov. 4.

Martin, Albert E., assignor to C. A. Parsons & Company Limited, Newcastle-on-Tyne, England. Infrared gas analyzing apparatus. 2,583,221, Jan. 22.

Martin, Albert E., assignor to C. A. Parsons & Company Limited, Newcastle upon Tyne, England. Infra-red gas analyzing apparatus. 2,605,426, July 29.

Martin, Alexander I., assignee: *See*—
Nissen, Hans G.

Martin, Armor B., Butte, Mont. Apparatus for determining the solidifying temperatures of vapors dispersed in gases. 2,591,084, Apr. 1.

Martin, Austen W., assignor to Martins-Birmingham Limited, Birmingham, England. Spring band construction. 2,583,222, Jan. 22.

Martin, Bradford, Washington, assignor to Solar Engineering & Equipment Company, Beaver, Pa. Stencil decorating machine. 2,605,700, Aug. 5.

Martin Brothers Electric Company, The, assignee: *See*—
Martin, Wendell L.

Martin, Catherine H. L. B., widow, heir: *See*—
Schreiber, Louis J. J.

Martin, Charles A.: *See*—
MacHenry, Richard, and Martin.

Martin, Charles A., Buffalo, N. Y. Dust separator. 2,607,436, Aug. 19.

Martin, Charles C., and D. A. Round, assignors to David Round & Son, Cleveland, Ohio. Planetary gearing. 2,609,713, Sept. 9.

Martin, Charles L., Overland, Mo., assignor to American Car and Foundry Company, New York, N. Y. Lubricated valve. 2,616,657, Nov. 4.

Martin, Chester T., McColl, S. C. Toy or miniature bed. 2,598,813, June 3.

Martin, Clyde M., Orange Cove, assignor of one-half to N. J. Buratovich and one-half to M. T. Buratovich, Dinuba, Calif. Stacking apparatus. 2,589,718, Mar. 18.

Martin, Daniel W., Blackwood, N. J. Microphone pickup enclosure. 2,618,191, Nov. 18.

Martin, Delmas, Lamar, Colo. Automatic spring tension varying means. 2,599,403, June 3.

Martin, Don, Newark, assignor to Hercules Powder Company, Wilmington, Del. Plugging agent and process. 2,604,947, July 29.

Martin, Donald L., Ballston Lake, N. Y., assignor to General Electric Company. Magnetic alloy. 2,596,705, May 13.

Martin, Donald L., and A. H. Geisler, Schenectady, N. Y., assignors to General Electric Company. Heat-treating cobalt-platinum magnets. 2,622,050, Dec. 16.

Martin, Earnest E., Pasadena, assignor to Universal Properties Inc., Los Angeles, Calif. Container filling system. 2,580,567, Jan. 1.

Martin, Earnest E., assignor to A. A. Hutchins, Pasadena, Calif. Tool reciprocating device. 2,618,107, Nov. 18.

Martin, Edward G., assignee: *See*—
Fein, Louis.

Martin, Edward J., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Diesel fuel. 2,615,799, Oct. 28.

Martin, Edward J., Pleasant Ridge, and J. E. Wilson, assignors to General Motors Corporation, Detroit, Mich. Gun sight mounting. 2,585,395, Feb. 12.

Martin, Edward J., Pleasant Ridge, Mich., and R. N. Frawley, El Monte, Calif., assignors to General Motors Corporation, Detroit, Mich. Radiant energy transmission and reflection analyzer with adjustable filter. 2,589,414, Mar. 18.

Martin, Edward J., Jr., Richmond Hill, N. Y. Nonskid device. 2,607,387, Aug. 19.

Martin, Elizabeth B., assignee: *See*—
Buckley, John L. and L. G.

Martin, Elmore L., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic developing agents. 2,603,656, July 15.

Martin, Emile, Grenoble, France. Self-feeding lubricator. 2,588,026, Mar. 4.

Martin, Erle: *See*—
Lampton, Glen T., and Martin.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller control. 2,619,182, Nov. 25.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor speed governor. 2,623,598, Dec. 30.

Martin, Erle, West Hartford, and A. P. Edson, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Maintaining the desired joint thickness during a soldering operation. 2,606,362, Aug. 12.

Martin, Eugene, Wesleyville, Pa., assignor to Read Standard Corporation. Feed mechanism. 2,582,709, Jan. 15.

Martin, Eugene, Wesleyville, Pa., assignor to Read Standard Corporation. Feeder. 2,604,216, July 22.

Martin, Eugene, Wesleyville, Pa., assignor to Read Standard Corporation. Feeder. 2,604,218, July 22.

Martin Fabrics Corporation, assignee: *See*—
Andrews, George H.

Martin, Frank A.: *See*—
Gerber, Dale C., Martin, and Snyder.

Martin, Frank A., Akron, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner hose. 2,597,808, May 20.

Martin, Frank S., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Silicone elastomer golf ball core. 2,609,201, Sept. 2.

Martin, Fred P., Topeka, Kans. Fluid power steering gear for swinging axles. 2,582,142, Jan. 8.

Martin, Fred P., Topeka, Kans. Drive axle mounting for swinging and rocking motion. 2,595,594, May 6.

Martin, Fred S., Chicago, Ill. Portable traffic control light. 2,603,700, July 15.

Martin, Gayle, assignor to Popcorn Products Corporation, Milwaukee, Wis. Preserving popcorn in solid fat. 2,604,407, July 22.

Martin, George F., Oakland, Calif., assignor of one-half to P. A. Battagla. Lubricating system for rotary pumps. 2,606,715, Aug. 12.

Martin, George F., Oakland, Calif., assignor of one-half to P. A. Battagla. Rotary pump. 2,621,604, Dec. 16.

Martin, George H.: *See*—
Carroll, Joseph P., and Martin.

Martin, George O., Walnut Ridge, Ark. Combination staking tool. 2,613,434, Oct. 14.

Martin, Glenn L., Company, The, assignee: *See*—
Albrecht, Fritz, Davison, and Lambdin.
Bomhardt, Warren C., and Sorg.
Buchal, Werner, and Cooke.
Cooke, Conrad H.
Costello, Joseph, and Price.
Critchlow, Howard T., Jr., and Marecki.
Engel, Harry C., Raab, and Pajak.
Engel, Harry C., Troxell, and Pajak.
Engelhardt, Richardt A., Kershaw, and Schroeder.
Eshenaur, Ray E., and Brockman.
Hill, Thomas C.
Imler, Donald T.
King, Jack L.
Kline, Paul C., Crook, and Van Cutsem.
Larsen, Agnew E.
Merriman, Helen R.
Pajak, Theodore P.
Raab, Regis.
Rakowski, Paul B., Jr.
Schroeder, Robert W., Loughney, and Engelhardt.
Schulze, Richard B., Hessler, Davison, and Winter.
Turner, Harry M.

Martin, Gustav J.: *See*—
Avakian, Souren, and Martin.

Martin, Gustav J., and J. Wilkinson, assignors to The National Drug Company, Philadelphia, Pa. Anion exchange resin antacid. 2,581,035, Jan. 1.

Martin, Guy W., Birmingham, Ala. Label guiding attachment for typewriters. 2,609,909, Sept. 9.

Martin, Guy W., Birmingham, Ala. Label holding attachment for typewriters. 2,622,717, Dec. 23.

Martin, H. W., assignee: *See*—
Smith, Horace G.

Martin, Harold F., Milwaukee, Wis., assignor to The Rockwell Manufacturing Company, Pittsburgh, Pa. Drilling machine. 2,585,025, Feb. 12.

Martin, Harry C.: *See*—
Tone, Frank J., and Martin.

Martin, Harry M., Tucson, Ariz. Signal buoy balloon. 2,619,303, Nov. 25.

Martin, Henry: *See*—
Häfliger, Franz, Martin, and Denss.

Martin, Henry F., Centerline, assignor to Detroit Hoist and Machine Company, Detroit, Mich. Monorail tractor. 2,608,163, Aug. 26.

Martin, Henry F., Centerline, assignor to Detroit Hoist and Machine Company, Detroit, Mich. Tractor for use in transportation of a load. 2,617,365, Nov. 11.

Martin, Homer V., Lincoln, Nebr. Electric cord housing. 2,582,787, Jan. 15.

Martin, Homer V., Lincoln, Nebr. Telephone dial cleaner. 2,615,988, Oct. 28.

Martin, Homer Z.: *See*—
Barr, Frank T., and Martin.
Wurth, Walter A., Martin, and Jahnig.

Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Apparatus for treating carbonaceous solids. 2,607,666, Aug. 19.

Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Removal of carbon dioxide from hydrocarbon synthesis tail gas. 2,615,909, Oct. 28.

Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Apparatus for hydrocarbon synthesis. 2,622,970, Dec. 23.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Conversion of carbonaceous solids into volatile products. 2,582,710, Jan. 15.

Martin, Homer Z., Roselle, and I. Mayer, Summit, N. J., assignors to Standard Oil Development Company. Regeneration of Fischer-Tropsch catalyst. 2,582,713, Jan. 15.

Martin, Homer Z., Roselle, and F. T. Barr, Summit, N. J., assignors to Standard Oil Development Company. Fluidized distillation of shale. 2,589,109, Mar. 11.

Martin, Homer Z., Roselle, and I. Mayer, Summit, N. J., assignors to Standard Oil Development Company. Hydrocarbon synthesis. 2,610,976, Sept. 16.

Martin, Hugh E.: *See*—
Lee, John W., Martin, and Alexander.

Martin, Jack R.: *See*—
Jacobs, Harold, and Martin.

Martin, James, Higher Denham, near Uxbridge, England. Adjustable parachute pack container and back rest. 2,610,007, Sept. 9.

Martin, James H., assignee: *See*—
Neidig, Dan.

Martin, James M., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Harvesting machine with coupling mechanism to a tractor. 2,592,928, Apr. 15.

Martin, Jay R., Chicago, Ill. Extensible footrest attachment for chairs. 2,604,146, July 22.

Martin, Jean: *See*—
Sourdet, Maurice and Martin.

Martin, John H., Toronto, Ontario, Canada, assignor to General Electric Company. Conduit junction box. 2,611,500, Sept. 23.

Martin, John N., Tulsa, Okla. Well pump valve. 2,591,174, Apr. 1.

Martin, John R., Houston, Tex. Tubing spider. 2,612,671, Oct. 7.

Martin, José S., Buenos Aires, Argentina. Gramophone tone arm moving device. 2,585,396, Feb. 12.

Martin, Josef, Munich, Germany. Ash removal device. 2,589,836, Mar. 18.

Martin, Josef, Munich, Germany. Ash removal device. 2,600,896, June 17.

Martin, Joseph, Laurelton, assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y. Foldable sofa bed. 2,584,145, Feb. 5.

Martin, Joseph, Laurelton, assignor to Eclipse Sleep Products Inc., Brooklyn, N. Y. Couch bed linkage for folding, unfolding, and positioning a full length mattress in couch or bed formation. 2,584,146, Feb. 5.

Martin, Joseph G., Harrisburg, Pa. Policeman's portable traffic signal device. 2,580,938, Jan. .

Martin, Joseph K., Marietta, and D. W. Doughty, assignors to Thompson Venetians, Inc., Atlanta, Ga. Venetian blind. 2,598,575, May 27.

Martin, Lawrence A., White Bear Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrading. 2,621,450, Dec. 16.

Martin, Lawrence A., and T. J. Miller, St. Paul, and L. A. Wright, Robbinsdale, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrading. 2,621,449, Dec. 16.

Martin, Leonard, Springfield, Mass. Hanger. 2,617,538, Nov. 11.

Martin, Lester J.: *See*—
Manske, Joseph J., Martin, and Bernake.

Martin, Lewis W., Lancaster, Pa. Combined back and headrest. 2,589,013, Mar. 11.

Martin, Lloyd M., San Francisco, Calif., assignor to Winter & Company, Inc., New York, N. Y. Making piano action flanges. 2,610,358, Sept. 16.

Martin, Louis G., San Antonio, Tex. Vehicle actuated gate. 2,585,481, Feb. 12.

Martin, Louis R., assignor to Societe Anonyme so-called: Societe d'Etudes et de Recherches Industrielles "S. O. T. R. E. M. A." Casablanca, Morocco. Grab driving motions. 2,621,534, Dec. 16.

Martin, Lynden D.: *See*—
Czerwin, Edward P., and Martin.

Martin, Lynn P., assignor to W. A. Shaeffer Pen Company, Fort Madison, Iowa. Writing instrument. 2,610,611, Sept. 16.

Martin, Lynn P., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Writing instrument. 2,610,612, Sept. 16.

Martin, Marvin D., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Injector mechanism. 2,609,500, Sept. 2.

Martin, Marvin M., Bell, and H. M. Brown, Los Angeles, Calif.; said Brown assignor to said Martin. Counter-sinking tool. 2,608,114, Aug. 26.

Martin, Mervin E., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Preparation of organic acid esters of cellulose. 2,603,636, July 15.

Martin, Mervin E., and L. G. Reed, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of cellulose esters. 2,597,156, May 20.

Martin, Mervin E., Cumberland, and D. L. Sherk, La Vale, Md., assignors to Celanese Corporation of America. Two-step digestion of wood with aliphatic acid. 2,601,408, June 24.

Martin, Nicholas F., Wilmington, Del. Vernier-type oil burner nozzle. 2,583,659, Jan. 29.

Martin, Norman F., assignor to The Magnavox Company, Fort Wayne, Ind. Dual point phonograph pickup stylus. 2,586,362, Feb. 19.

Martin, Norman F., and A. L. Knox, Sr., assignors to The Magnavox Company, Fort Wayne, Ind. Phonograph pickup arm and mounting. 2,619,352, Nov. 25.

Martin, Orlie E., Beloit, Wis. Liquid soap dispenser having a valve and plunger mechanism. 2,622,539, Dec. 23.

Marsal, Paul A., Rocky River, and R. P. Fox, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Air depolarized cell. 2,597,116, May 20.

Martin, Paul M.: *See*—
Carlson, Walter A., Martin, and Sigel.

Martin, Paul N.: *See*—
Gilson, Robert M., and Martin.
O'Hagan, Bernard E., and Martin.

Martin, Paul N., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Railway track circuits. 2,591,456, Apr. 1.

Martin-Parry Corporation, assignee: *See*—
Buquor, Adolph P., and Crouse.

Martin, Paul N., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electron tube circuit means responsive to a signal pulse of short duration. 2,607,022, Aug. 12.

Martin, Perry S., Harrisonburg, Va. Draft operated combustion air inlet control device for combustion apparatus. 2,604,090, July 22.

Martin, Perry S., assignor to Shenandoah Equipment Company, Harrisonburg, Va. Poultry fountain water valve. 2,619,123, Nov. 25.

Martin, Peter: *See*—
Brown, Frederick E., and Martin.

Martin, Peter, Leicester, assignor to Power Jets (Research and Development) Limited, London, England. Absorption dynamometer. 2,590,781, Mar. 25.

Martin, Philip W., Huntington Park, Calif. Electrical deepwell pump. 2,604,049, July 22.

Martin, Philip W., Huntington Park, Calif. Measuring conditions in deep wells. 2,607,220, Aug. 19.

Martin, René, Asnieres, France. Drawplate made of removable elements for the mass production of various ceramic ware. 2,605,532, Aug. 5.

Martin, Robert, Spondon, near Derby, England, assignor to British Celanese Limited. Power-transmission belt. 2,590,988, Apr. 1.

Martin, Robert W.: *See*—
Lucas, Glennard R., and Martin.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Methylol phenol esters and plasticized materials therefrom. 2,598,406, May 27.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Alcohol-methylol-phenyl ether reaction products. 2,606,929, Aug. 12.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Alkylene oxide-methylol phenol reaction products. 2,606,934, Aug. 12.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Alkylene oxide-methylol phenol reaction products. 2,606,935, Aug. 12.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Preparing diphenylol methane. 2,617,832, Nov. 11.

Martin, Ruth M., Los Angeles, Calif. Snap hook. 2,586,679, Feb. 19.

Martin, Thomas A.: *See*—
Hunter, Joseph L., and Martin.

Martin, Thomas A., by E. H. Marsh, trustee, assignor to C. Bryant, Knoxville, Tenn. Ash tray. 2,591,175, Apr. 1.

Martin, Thomas A., and J. L. Hunter, assignors to Hunter Douglas Corporation, Riverside, Calif. Venetian blind ladder. 2,588,550, Mar. 11.

Martin, Thomas B.: *See*—
Blanchard, Werner J., Haines, Martin, and MacNeil.

Martin, Thomas C., Cohasset, Mass. Amphibian toy duck. 2,621,442, Dec. 16.

Martin, Thomas C., Natick, Mass. Fly swatter. 2,618,882, Nov. 25.

Martin, Vernon G.: *See*—
Hayes, Charles W., and Martin.

Martin, W. H., assignee: *See*—
Wahle, Adolph.

Martin, Wayne M.: *See*—
Feldman, Jack E., and Martin.

Martin, Wendell L., Shaker Heights, assignor to The Martin Brothers Electric Company, Cleveland, Ohio. apparatus for automatically reproducing contours. 2,622,871, Dec. 23.

Martin, William A., Sweetwater, Tex. Display sign structure. 2,610,423, Sept. 16.

Martin, William E., Kewanee, Ill. Bed ramp trailer. 2,605,916, Aug. 5.

Martin, William E., Kewanee, Ill. Foldable trailer hitch. 2,611,496, Sept. 23.

Martin, William E., Kewanee, Ill. Garment hanger. 2,620,953, Dec. 9

Martin, William E., Kewanee, Ill. Turret top luggage compartment. 2,597,656, May 20.

Martin, William H.: *See*—
Goodale, Walter D., Jr., and Martin.

Martin, William L.: *See*—
Shadley, George R., and Martin.

Martin, William M., San Mateo, Calif., assignor to James Dole Engineering Co. Product sterilizing apparatus and method. 2,607,698, Aug. 19.

Martin, Virgil L., Albuquerque, N. Mex. Detachable bed supporting frame for truck bodies. 2,601,684, July 1.

Martindale, Harvey E., and W. C. Gemuenden, Menominee, Mich. Suction device for steam radiators. 2,599,467, June 3.

Martindale, Harvey E., and F. E. Janquart, Marinette, assignors to J. H. Jerred, Madison, Wis. Radiant plate and baffle for heating burners. 2,614,514, Oct. 21.

Martinet, Eugene F., assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio. Airtight tubular coupling. 2,582,446, Jan. 15.

Martinet, Eugene F., and F. Koren, assignors to Royal Vacuum Cleaner Company, Cleveland, Ohio. Suction cleaner clamp. 2,602,685, July 8.

Martinetz, Charles F., New York, N. Y. Noninterlocking automobile bumper. 2,604,349, July 22.

Martinez, John M., assignor to Olin Industries, Inc., New Haven, Conn. Cathode. 2,594,047, Apr. 22.

Martini, Florian K., Los Angeles, Calif. Rotary storage receptacle for disk-like objects. 2,581,547, Jan. 8.

Martino, Albert B. F., assignee: *See*—
Martino, William C.

Martino, Ernest, assignee: *See*—
Martino, William C.

Martino, William C., assignor of thirty per cent to E. Martino and thirty per cent to A. B. F. Martino, Philadelphia, Pa. Portable knockdown article supporting device. 2,597,157, May 20.

Martino, William J., Garden City, Mich. Compartment comb. 2,608,979, Sept. 2.

Martino, William J., Garden City, Mich. Compartment comb. 2,612,175, Sept. 30.

Martins-Birmingham Limited, assignee: *See*—
Martin, Austen W.

Martinsen, Nikolai, Palo Alto, Calif. Detachable spout for containers. 2,580,811, Jan. 1.

Martinson, Edwin O., assignor to The C. S. Johnson Company, Champaign, Ill. Hopper discharge control. 2,603,342, July 15.

Martiri, Roberto, Buenos Aires, Argentina. Self-gasifying heating equipment. 2,611,425, Sept. 23.

Martis, Jerome M.: *See*—
Folmsbee, Clyde H., and Martis.

Martka, John, Brooklyn, N. Y. Machine for making Vienna rolls. 2,617,370, Nov. 11.

Martone, Joseph, Forest Hills, assignor to D. A. Bauer, Tuckahoe, N. Y. Shoulder pad. 2,617,993, Nov. 18.

Marty, Robert W.: *See*—
McCabe, John B., Strelow, and Marty.

Martyn, Roger W.: *See*—
Wright, Harold R., and Martyn.

Martyn, Roger W., Fairlie, Scotland, assignor to Imperial Chemical Industries Limited. Machine for charging detonator carrying plates. 2,615,363, Oct. 28.

Martyn, Roger W., Largs, Scotland, assignor to Imperial Chemical Industries Limited. Production of spinnerets. 2,605,173, July 29.

Marulli, Ernesto C., Holyoke, Mass. Detachable handle for cupcake pans and the like. 2,613,978, Oct. 14.

Marvel, Carl S., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cross-linked polymeric materials and making same. 2,598,407, May 27.

Marvel, Carl S., Urbana, Ill., and R. E. Miegel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl esters of aminocarbothiolic acids. 2,592,443, Apr. 8.

Marvel Equipment Corporation, assignee: *See*—
Roethel, John H.

Marvel, Harvey E., assignor to Bowser, Inc., Fort Wayne, Ind. Filter. 2,584,394, Feb. 5.

Marvel, Harvey E., assignor to Bowser, Inc., Fort Wayne, Ind. Filter aid feeder. 2,584,395, Feb. 5.

Marvel Jewelry Mfg. Company, assignee: *See*—
Kostka, Otto R.

Marvin, Edgar S.: *See*—
Malone, Harold L., and Marvin.

Marvin, George W., assignor of one-half to Standard Parts Co., Los Angeles, Calif. Piston ring assembly. 2,583,957, Jan. 29.

Marvin, Gregory L., Indianapolis, Ind. Trailer platform stabilizing structure. 2,595,474, May 6.

Marvin, John T., Dayton, and G. H. McFadden, Columbus, Ohio, assignors to General Motors Corporation, Detroit, Mich. Washing spongy material. 2,583,183, Jan. 22.

Marvin, John T., Dayton, and G. H. McFadden, Columbus, Ohio, assignors to General Motors Corporation, Detroit, Mich. Apparatus for washing spongy material. 2,609,826, Sept. 9.

Marvin, Philip R., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Device for controlling fluid flow. 2,588,137, Mar. 4.

Marvin, Stanley: *See*—
Gaubert, Rene J., and Marvin.

Marvin, W. H., Company, The, assignee: *See*—
Schafer, Arnold W.

Marvinney, Edward A. G.: *See*—
Saunders, Harold E., Lee, Marvinney, and Brownell.

Marwell, Edward M., Mount Kisco, and R. L. Kenngott, Pleasantville, N. Y., assignors, by mesne assignments, to the United States of America. Automatic arc starting device. 2,607,024, Aug. 12.

Marx, Graham E., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool drive. 2,581,804, Jan. 8.

Marx, Joe J., and E. M. Davis, Cincinnati, assignors to So-Lo Works Incorporated, Loveland, Ohio. Rubber footwear. 2,617,208, Nov. 11.

Marx, Louis, & Company, assignee: *See*—
Derham, Philip A.
Lohr, Raymond J.

Marx, Louis, & Company, Inc., assignee: *See*—
Carver, Richard N. and Lohr.

Marx, Zeppo, Beverly Hills, assignor to Marman Products Co., Inc., Inglewood, Calif. Vapor delivery pad for distributing moist heat. 2,590,026, Mar. 18.

Marxer, Adrian: *See*—
Miescher, Karl, and Marxer.

Maryland Devices, Inc., assignee: *See*—
Samuels, Abe O., and Kahn.

Marziani, Frank, deceased, Brooklyn, N. Y., by K. Marziani, administratrix. Pivoted spring actuated clasp. 2,622,300, Dec. 23.

Marziani, Joseph Philadelphia, Pa. Evacuating and heat-sealing machine. 2,608,333, Aug. 26.

Marziani, Joseph, Philadelphia, Pa. Forming head for bread roll machines. 2,612,850, Oct. 7.

Marziani, Katy, administratrix: *See*—
Marziani, Frank.

Marzolf, Joseph M., Washington, D. C. Circuit for measuring inductance or capacitance. 2,604,511, July 22.

Marzucco, Sebastian J., Wynnewood, Pa. Hurdle. 2,583,786, Jan. 29.

Mascaro, Anthony, assignee: *See*—
Mascaro, Thomas C.

Mascaro, Thomas C., assignor of one-half to A. Mascaro, West Point, Pa. Turf engaging element for cultivating apparatus. 2,591,572, Apr. 1.

Maschinenfabrik Oerlikon, assignee: *See*—
Storsand, Bjarne.

Maschinenfabrik, Scharer, assignee: *See*—
Siegenthaler, Walter.

Masciana, Andrea P., Washington, D. C. Garment hanger. 2,594,958, Apr. 29.

Mascuch, Joseph J., assignee: *See*—
Foster, Raymond H.
Nardone, Romeo M.

Mascuch, Joseph J., Maplewood, and M. F. Peters, East Orange, N. J. Ignition control. 2,621,312, Dec. 9.

Mashinter, William H., Chicago, Ill. Radial pump. 2,605,710, Aug. 5.

Masi, Anthony, Jr., and N. Barbieri, Providence, R. I., assignors to Uncas Manufacturing Company. Ring box. 2,608,296, Aug. 26.

Masini, Louis, Highwood, Ill. Tool for cutting circular holes. 2,591,847, Apr. 8.

Maskinaktiebolaget Karlebo, assignee: *See*—
Eliasson, Olof M., and Nöjd.

Maslin, John A., Claymont, Del., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Filtering apparatus. 2,604,995, July 29.

Maslow, Louis, Scarsdale, N. Y. Portable marketing truck. 2,583,513, Jan. 22.

Maslow, Louis, Scarsdale, N. Y. Nesting merchandise cart. 2,583,514, Jan. 22.

Mason, Arle M., Kansas City, Mo., assignor to Mason Plastics Co., Inc., Kansas City, Kans. Bowling pin dressing machine. 2,622,635, Dec. 23.

Mason, Arthur C., Wayne Township, Passaic County, N. J. Bead blank forming method and machine. 2,593,469, Apr. 22.

Mason Box Company, The, assignee: *See*—
Wethereil, Russell A.

Mason, Chester F.: *See*—
Barlow, Israel O., and Mason.

Mason, Clesson E., Brookline, assignor to Mason-Neilan Regulator Company, Boston, Mass. Pneumatic control mechanism. 2,616,440, Nov. 4.

Mason, Darrell V.: *See*—
Oberbeck, August L., and Mason.

Mason, Ernest G.: *See*—
Wickham, Hull, Burton, and Mason.

Mason, Ford S., Lockport, N. Y. Combined display sign and supporting base. 2,600,791, June 17.

Mason, Fred H.: *See*—
Deist, Herbert H., and Mason.
Rosenuworth, George P., and Mason.

Mason, Frederick H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Forming a composite structure comprising a chrome-containing member. 2,609,598, Sept. 9.

Mason, Frederick P., assignor to Creed and Company Limited, Croydon, England. Arrangement for receiving telegraph impulses. 2,581,426, Jan. 8.

Mason, Howard F., Los Angeles, Calif. Circuit breaker system. 2,621,236, Dec. 9.

Mason, Jack H.: *See*—
Mason, Porter H., W. D., and J. H.

Mason, James A., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, South Beloit, Ill. Automatic stop control for looms. 2,600,667, June 17.

Mason, James A., assignor to Molins Machine Company Limited, London, England. Switch control device for dynamically braked, electrically driven machines. 2,622,230, Dec. 16.

Mason, James A., and W. A. Roffey, assignors to Molins Machine Company Limited, Deptford, London, England. Conveyer mechanism for wrapping machines. 2,587,499, Feb. 26.

Mason, James G., Dayton, Ohio. Reversible rotary toothbrush. 2,618,161, Nov. 18.

Mason, John C., Greggton, Tex. Hydraulic pumping jack. 2,605,612, Aug. 5.

Mason-Neilan Regulator Company, assignee: *See*—
Mason, Clesson E.
Rockwell, Ralph A.
Robins, John W.

Mason Plastics Co., Inc., assignee: *See*—
Mason, Arle M.

Mason, Porter H., W. D., and J. H., Norfolk, Va. Hand stencil duplicator. 2,600,413, June 17.

Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of carboxylic acids from oxo alcohol esters. 2,607,787, Aug. 19.

Mason, Robert F., Magee, Miss. Piston ring. 2,591,176, Apr. 1.

Mason, Robert L., Washington, D. C. Golf tee setting device. 2,606,764, Aug. 12.

Mason, Roland G., Seattle, Wash. Fishing lure. 2,616,205, Nov. 4.

Mason, Samuel J., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Parabolic reflector. 2,605,415, July 29.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Torsional interferometer. 2,607,216, Aug. 19.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical transducer. 2,607,858, Aug. 19.

Mason, William D.: *See*—
Mason, Porter H., W. D., and J. H.

Mason, William T., assignor, by mesne assignments, to Louisville Metal Products Company, Louisville, Ky. Ladder structure. 2,598,278, May 27.

Masoner, William J., Chicago, Ill. Spring holder. 2,605,097, July 29.

Masonite Corporation, assignee: *See*—
Spence, Oswald.
Varner, Alvie E.

Masopust, Joe D., Oklahoma City, Okla. Steam cleaner. 2,604,881, July 29.

Massa, Frank, Cleveland Heights, Ohio. Loud-speaker with a tapered horn coupled to the speaker diaphragm. 2,604,182, July 22.

Massa, Frank, Cleveland Heights, Ohio. Underwater transducer. 2,613,261, Oct. 7.

Massey, Albert G.: *See*—
Rodeck, Armin H., and Massey.

Massey, B. & S., Limited, assignee: *See*—
Foster, John.

Massey, Everett E., Los Angeles, Calif. Rhythm stick. 2,620,701, Dec. 9.

Massey, Fred E., Greenville, Ky. Level for pinball machines. 2,620,572, Dec. 9.

Massey, Granvel D.: *See*—
Mefford, Cash O., and Massey.

Massey-Harris Company, assignee: *See*—
Everett, Charles V.

Massey-Harris Co. Ltd., assignee: *See*—
Brough, James.
Ego, George R.
Johnston, Howard M.
Knight, Lorne F., and Everitt.

Massey-Harris Company, The, assignee: *See*—
Dahl, Einar S.
Goble, William E.

Massey Machine Company, assignee: *See*—
Rodeck, Armin H., and Massey.

Massey, Peter J., River Forest, Ill., and F. C. Goodwill, Watertown, assignors to St. Regis Paper Company, New York, N. Y. Delinking and bleaching of paper. 2,582,496, Jan. 15.

Massingham, Henry R.: *See*—
Gross, Herbert R., and Massingham.

Massiot, Jean, Courbevoie, France. Arrangement for checking the temperature of the anode of X-ray tubes. 2,608,662, Aug. 26.

Massiot, Louis, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Device for gauging the water level in the bottom of hydrocarbon tanks and the like. 2,617,302, Nov. 11.

Massiot, Louis, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Partial condensation of vapors. 2,617,758, Nov. 11.

Massler, Abraham I., Irvington, assignor to M & W Company, Inc., Newark, N. J. Apparatus and method for producing disk phonograph records. 2,613,395, Oct. 14.

Masson, Claude M. E., assignor to Societe d'Electronique et d'Automatisme, Paris, France. Flip-flop stage control circuits. 2,611,085, Sept. 16.

Masson, Emile P., Saint-Maurice, France. Chronographic arrangement for electric stations. 2,594,048, Apr. 22.

Masson Scott & Company Limited, assignee: *See*—
Battersby, James E.

Mast, George W., Stamford, Conn., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Streptomycin glucuronate. 2,583,534, Jan. 29.

Mast, Gifford M., W. K. Gannett, and L. M. Shuh, Davenport, assignors to B. Glatstein, Muscatine, Iowa. Infant's convertible seat and bed. 2,584,481, Feb. 5.

Mast, Gifford M., and W. K. Gannett, Davenport, Iowa, assignors to Tru-Vue Company, Beaverton, Oreg. Stereoscopic film viewer. 2,590,260, Mar. 25.

Mast, Lowell R., East Rochester, assignor to Electromode Corporation, Rochester, N. Y. Explosion-proof heater. 2,590,336, Mar. 25.

Mast, William C., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of granular polymers. 2,588,398, Mar. 11.

Mast, William C., Philadelphia, C. E. Rehberg, Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Vulcanization of acrylic resins. 2,600,414, June 17.

Master Builders Company, The, assignee: *See*—
Scripture, Edward W., Jr.

Master Electric Company, The, assignee: *See*—
Schram, Orland L. R., and Smith.

Master Rule Manufacturing Co., Inc., assignee: *See*—
Nicholson, Ragnar C.

Master Technique Board Co., assignee: *See*—
Silver, Stan M.

Master Vibrator Company, assignee: *See*—
Boulton, Harold S.
McCrery, Harold E.

Masters, Aaron, Perth Amboy, N. J. Hair remover with central feed of skin lotion. 2,594,959, Apr. 29.

Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Electronic phonograph pickup. 2,603,722, July 15.

Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Combination photographic and magnetic sound film picture projector. 2,605,364, July 29.

Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Reeling system for reelable magnetic records. 2,623,702, Dec. 30.

Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Automatic reversing system for tape reeling machines. 2,623,750, Dec. 30.

Masterton, John, Dorridge, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Protective means for electricity storage battery cases. 2,601,043, June 17.

Mastin, Thomas W.: *See*—
Asseff, Peter A., Mastin, and Rhodes.

Mastney, Edward J., Berwyn, assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,594,190, Apr. 22.

Mastrangelo, Arthur, Queens Village, N. Y. Light socket adapter for photographic flashlight bulb. 2,595,155, Apr. 29.

Mastrangelo, Frank, Fitchburg, Mass. Guide plate for latches. 2,612,399, Sept. 30.

Mastrangelo, Sebastian V. R.: *See*—
Aston, John G., and Mastrangelo.

Mastripolito, Philip J., Philadelphia, Pa. Chamfer attachment for hand planes. 2,597,158, May 20.

Masucci, Peter: *See*—
Pennell, Robert B., and Masucci.

Masure, Mortimer P., El Cerrito, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of dehydrated carrots. 2,619,424, Nov. 25.

Masury-Young Company, assignee: *See*—
Lilly, Howard C.

Masuy, Rodolphe, Signy-le-Petit, France. Setwork for regulating the thickness of the boards cut off in reciprocating-carriage sawmills. 2,597,355, May 20.

Mataré, Herbert F., Vaucresson, G. Calon, Villemomble, and P. Philippoteaux, Le Raincy, assignors to Societe Anonyme dite Compagnie Des Freins & Signaux Westinghouse, Paris, France. Capacity-meter for measurement of low electric capacitance values. 2,598,576, May 27.

Mataré, Hérbert François, Vaucresson, assignor to Societe anonyme dite: Compagnie des Freins et Signaux Westinghouse, Paris, France. Varying electromagnetic waves in a wave guide. 2,588,262, Mar. 4.

Matasovic, John L., Chicago, Ill. Pressure regulator gauge guard. 2,595,156, Apr. 29.

Matchett, John C., East Pasadena, Calif. Liquid level gauge. 2,592,929, Apr. 15.

Matchett, Mahlon M., Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill. Safety device for door operating mechanism. 2,602,664, July 8.

Matchett, Mahlon M., Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill. Door operating mechanism. 2,605,100, July 29.

Matelena, John J., Trenton, N. J. Inflatable aerial projection display device. 2,592,444, Apr. 8.

Matera, Emanuele, deceased, Rivoli, near Turin, Italy; M. M. Borgini, administratrix, and E. Caretta, Turin, Italy. Gear-cutting machine. 2,606,481, Aug. 12.

Materials Handling Laboratories, Inc., assignee: *See*—
Cahners, Norman L., and Moffat.

Materials Transportation Company, assignee: *See*—
Avery, Fred J.

Mateu, Isidro S., Cabaiguan, Cuba. Machine for cutting or chopping fodder. 2,605,800, Aug. 5.

Mathels, Aaron, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Water dam for flooding roofs or the like. 2,618,356, Nov. 18.

Matheny, James L., and R. H. Perkins, Santa Ana, Calif. Windscreen for automobiles. 2,619,376, Nov. 25.

Mathes, Charles H., Seattle, Wash. Educational card game. 2,607,595, Aug. 19.

Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company. Glass fiber reinforced crepe paper. 2,604,424, July 22.

Mathes, Robert C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Color television with reduced band width. 2,580,685, Jan. 1.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 2-mercapto thiazoles. 2,603,646, July 15.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization accelerator comprising a mixture of a heterocyclic mercaptan derivative and a thiocarbamyl aminomethyl sulfide. 2,604,462, July 22.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Imino-substituted esters of dithiocarbamic acids. 2,608,575, Aug. 26.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Beta-dithiocarbasyl carboxylic acid compounds and their preparation. 2,623,059, Dec. 23.

Mathes, Wilhelm, and W. Sauermilch, assignors to Dr. F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhein, Germany. Sulfite compounds of pyridine aldehydes. 2,620,342, Dec. 2.

Matheson, Andrew A., Denver, Colo. Air accelerating engine and compressor. 2,620,779, Dec. 9.

Matheson, George L.: *See*—
Odell, William W., and Matheson.

Matheson, George L., Union, N. J., assignor to Standard Oil Development Company. Carbonizing subdivided solids. 2,614,069, Oct. 14.

Matheson, George L., Union, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Polyvalent metal tetra-isobutyl phenol sulfonic acid salt parasiticides. 2,586,680, Feb. 19.

Matheson, Mackay R., Leamington, Ontario, Canada. Variable-speed transmission. 2,593,163, Apr. 15.

Mathews, Bernard C.: *See*—
Andersen, Arthur A., and Mathews.

Mathews, Frank J., Owatonna, Minn. Liquid measuring apparatus. 2,612,300, Sept. 30.

Mathews, Harry A., Garvey, M. B. Riordan, Jr., Bell, and L. B. Scott, South Gate, assignors to Byron Jackson Co., Vernon, Calif. Sound indicator and fluid level indicator for wells. 2,615,080, Oct. 21.

Mathews, Jack S., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Coolant system for grinding machines. 2,586,242, Feb. 19.

Mathews, John C.: *See*—
Seddon, Robert M., and Mathews.

Mathews, Perry, assignee: *See*—
Harrison, Edward E.

Mathews, Ray V., Ottumwa, Iowa, assignor to Swift & Company, Chicago, Ill. Storage bin structure. 2,582,641, Jan. 15.

Mathews, Ray V., Ottumwa, Iowa, assignor to Swift & Company, Chicago, Ill. Poultry packing table. 2,593,325, Apr. 15.

Mathews, Warren E.: *See*—
Cutler, Cassius C., and Mathews.

Mathewson, Maxwell L., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Backrest for grinding machines. 2,612,014, Sept. 30.

Mathey, Alcide E., Allston, Boston, assignor to Scully Signal Company, Cambridge, Mass. Combined signaling and gauging unit. 2,617,303, Nov. 11.

Mathey, Frank H., Tulsa, Okla. Pipe-cutting apparatus. 2,594,191, Apr. 22.

Matheys, Gaston, Brussels, Belgium. Hydraulic system for obtaining automatic motor speed controls. 2,603,950, July 22.

Mathias, Berton M., Monte Vista, Colo. Reversible plow. 2,595,277, May 6.

Mathias, Berton M., Monte Vista, Colo. Drive motor control for engine electric driven vehicles 2,600,897, June 17.

Mathias, Berton M., Monte Vista, Colo. Wind-operated power generator. 2,616,506, Nov. 4.

Mathias, William F., Jr., assignee: *See*—
Kingsmore, Harry V.

Mathieson Chemical Corporation, assignee: *See*—
Boge, Herbert E.
Bramann, George M., and Switzer.
Braun, Richard T.
Feagin, Roy C., and Bandel.
Fusco, Victor C.
Fusco, Victor C., and Noyes.
Haller, John F.
Hayes, John J.
Henrich, Gustav J.
Hesse, Alfred H.
Kamlet, Jonas.
Lutz, Leland J.
Miller, Warren S., and Hirdler.
Robson, Homer L.
Schaeffer, Benjamin B.
Soule, Edward C., and Sheltmire.
Woodward, Eric R.

Mathieu, Paul C., Epinay-sur-Orge, assignor to Etablissements Jouan, Paris, France. Apparatus for spectrophotometry. 2,613,572, Oct. 14.

Mathis, Howard D., Edwardsville, Ill. Automatic sprinkler. 2,580,810, Jan. 1.

Mathis, Justine L.: *See*—
Holman, Emmette R., and Mathis.

Mathisen, Arne L., Sandvika, Norway. Vehicle. 2,614,857, Oct. 21.

Mathisen, Martin H., North Hollywood, Calif. Safety load equalizing and draft stabilizing coupling device for automobile towed trailers. 2,597,657, May 20.

Mathison, Albert O., Brooklyn, N. Y. Work holding clamp. 2,619,010, Nov. 25.

Mathson, Leslie J., Franklin Township, Milwaukee County, assignor of one-half to Riteway Tool and Die Company, Milwaukee, Wis. Adjustment indicator for precision machine tools. 2,612,697, Oct. 7.

Mathues, Thomas O., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for extruding rubber-like material. 2,612,655, Oct. 7.

Mathwich, Howard R.: *See*—
Wheeler, Benjamin F., and Mathwich.

Mathy, Eugene V.: *See*—
Helmers, Carl J., and Mathy.

Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Variable delivery pump. 2,588,861, Mar. 11.

Matignon, Edmond C., assignee: *See*—
Branson, Nathan E.

Matirko, Chester A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Apparatus for feeding ground materials. 2,615,693, Oct. 28.

Matlack, Jacob D., Picatinny Arsenal, N. J., and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of vinylidene chloride resins. 2,605,244, July 29.

Matlack, Ralph K.: *See*—
Conrad, Martin B., and Matlack.

Matlas, Alfred, assignor to D. Weinberger, New York, N. Y. Dispensing device for viscous materials. 2,618,414, Nov. 18.

Matos, Nicanor, New York, N. Y. Bathtub curtain frame. 2,594,049, Apr. 22.

Matosec, Stephen J., Hammond, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Roof welding machine. 2,620,421, Dec. 2.

Matson, Edward J., North Chicago, and L. R. W. Clemence, Highland Park, assignors to Abbott Laboratories, North Chicago, Ill. Therapeutic products. 2,606,200, Aug. 5.

Matson, Raymond N., assignee: *See*—
Hatfield, Cleburne B.
Ruppert, Clarence J.

Matson, Theodore C., Long Beach, R. N. Riewerts, and D. E. Mortensen, Bellflower, Calif. Portable bed lamp with adjustable shutter. 2,612,599, Sept. 30.

Matsukawa, Taizo, Suitashi, Osaka, and T. Iwatsu, Higashisumiyoshi-ku, Osaka, assignors to Takeda Yakuhin Kogyo Kabushikigaisha, Higashi-ku, Osaka-shi, Japan. Preparing vitamin B_1 and its allied compound. 2,592,930, Apr. 15

Matsukawa, Taizo, Suitashi, Osaka, and T. Iwatsu, Higashisumiyoshi-ku, Osaka, assignors to Takeda Yakuhin Kogyo Kabushikigaisha, Higashi-ku, Osaka-shi, Japan. Thiothiazolone-derivatives. 2,592,931, Apr. 15.

Matte, Andrew L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph system. 2,623,123, Dec. 23.

Mattei, Joseph, Jr., Chicago, Ill. Filter. 2,608,302, Aug. 26.

Matteoli, Albert J., Sacramento, Calif. Asparagus harvester. 2,581,119, Jan. 1.

Matter, Albert, J., Park Ridge, Ill. Table leveler. 2,608,794, Sept. 2.

Matter, Max, Worb near Berne, and H. von Sprecher, Gumligen near Berne, assignors to Haco-Gesellschaft A. G., Gumligen (Canton Berne), Switzerland. 6-alkoxy-2-tetralones. 2,599,650, June 10.

Matters, Gloria S., North Wildwood, N. J. Electric iron. 2,606,378, Aug. 12.

Mattersdorf, Gustav, New York, N. Y. Fluid pressure producing device. 2,585,953, Feb. 19.

Mattes, William T., Chicago, Ill. Foot enclosing device. 2,619,744, Dec. 2.

Matteson, Elwin A., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Hydraulic control for finishing rolls of terne plate rigs. 2,585,482, Feb. 12.

Matthewman, Rodger B., Stow, assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Automatically actuated wheel feed mechanism for saw grinding machines. 2,588,263, Mar. 4.

Matthews, Adrian M., Bristol, Conn. Sinusoidal potentiometer. 2,609,469, Sept. 2.

Matthews, Charles, and H. M. Wenger, East Earl, assignors to Terre Hill Machine Co. Inc., Terre Hill, Pa. Conveyer drive. 2,593,470, Apr. 22.

Matthews, Don T., Tulsa, Okla. Heater for oil wells and pipe lines. 2,608,256, Aug. 26.

Matthews, Ernest C., assignee: *See*—
Hobson, Alfred M., and Corbett.

Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Circuit breaker. 2,590,989, Apr. 1.

Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Electrical regulating apparatus. 2,617,978, Nov. 11.

Matthews, Henry A.: *See*—
Emmett, James R., and Matthews.

Matthews, John H., & Sons, assignee: *See*—
Matthews, Vincent J.

Matthews, Joseph N., Lakewood, Ohio. Liquid level gauge for ballast tanks. 2,581,427, Jan. 8.

Matthews, Othel L., Abilene, Tex. Combined tape holder and plaster pallet. 2,615,326, Oct. 28.

Matthews, Raymond H.: *See*—
Alban, Clarence F., and Matthews.

Matthews, Robinson E., Brevard, N. C., and W. D. Harrison, Milford, N. J., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,568, Jan. 1.

Matthews, Vincent J., Nutley, assignor to John H. Matthews & Sons, North Arlington, N. J. Crushing or pulverizing machine. 2,609,992, Sept. 9.

Matthews, W. N., Corporation, assignee: *See*—
Appleman, Glen.
Mosley, Carl E.
Sander, Vernon A.

Matthews, William O., assignee: *See*—
Oliver, Paul M.

Matthias, Bernd T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical device. 2,597,589, May 20.

Matthias, Bernd T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical device embodying ferro-electric substance. 2,598,707, June 3.

Matthiesen, Benhard A., San Antonio, Tex. Toothed ice-crusher drum. 2,588,741, Mar. 11.

Matthiesen, Christian: *See*—
Clausen, Mads, and Matthiesen.

Matthiesen, George H., Chicago, Ill. Clasp type closure for envelopes. 2,594,050, Apr. 22.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Compressible brazed connector. 2,586,471, Feb. 19.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Twist-on bus-support clamp. 2,616,646, Nov. 4.

Matthysse, Irving F., and H. P. Dupre, New York, N. Y., assignors to Burndy Engineering Company, Inc. Intermediate jaw pliers. 2,590,261, Mar. 25.

Mattle, William A., Chesterland, Ohio, assignor, by mesne assignments, of one-half to K. R. Proctor and one-half to D. G. Gill, New York, N. Y. Paint applicator. 2,584,724, Feb. 5.

Mattieson, Paul, Dearborn, Mich. Weedless fishhook. 2,601,160, June 17.

Mattikow, Morris, and D. Perlman, New York, N. Y. Recovery of sterols. 2,585,954, Feb. 19.

Mattil, Karl F., assignor to Swift & Company, Chicago, Ill. Winterized glyceride oil and producing the same. 2,610,915, Sept. 16.

Mattil, Karl F., assignor to Swift & Company, Chicago, Ill. Treatment of glyceride oils. 2,613,215, Oct. 7.

Mattimoe, Paul T.: *See*—
Ryan, Joseph D., and Mattimoe.

Mattingly, Charles D., Wichita, Kans., assignor of one-half to J. C. Cuffman, Malvern, Ark. Box and material for use therein. 2,605,922, Aug. 5.

Mattio, Christy, Lakewood, assignor to G. E. Straehle, doing business as Straehle Machine Products Company, Cleveland, Ohio. Stud for sheet metal construction. 2,622,468, Dec. 23.

Mattioli, Carl: *See*—
Page, Joseph, and Mattioli.

Mattis, Michael A.: *See*—
Petro, Joseph J., and Mattis.

Mattison, Norman D., Montclair, N. J. Sanitary accessory for toilet bowls. 2,598,577, May 27.

Mattox, Vernon R.: *See*—
Kendall, Edward C., and Mattox.

Mattox, William J., Baton Rouge, La., assignor to Standard Oil Development Company. Preconditioning hydrocarbon synthesis catalyst and removing fines therefrom. 2,601,121, June 17.

Mattox, William J., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons from carbon monoxide and hydrogen. 2,623,058, Dec. 23.

Mattson, George W., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Manufacture of alkyl chlorides. 2,622,107, Dec. 16.

Mattucci, Guido, New York, N. Y. Color correction gauge. 2,597,658, May 20.

Matuszak, Alfred H.: *See*—
Morway, Arnold J., and Matuszak.

Matuszak, Alfred H., Jersey City, N. J., assignor to Standard Oil Development Company. Rust inhibiting composition. 2,581,120, Jan. 1.

Matuszak, Alfred H., Jersey City, N. J., assignor to Standard Oil Development Company. Rust inhibiting composition. 2,587,546, Feb. 26.

Matuszak, Alfred H., Jersey City, N. J., assignor to Standard Oil Development Company. Rust inhibiting composition. 2,623,887, Dec. 30.

Matyas, Frank A., and G. Mohrlein, assignors to Tingstol Company, Chicago, Ill. Panel mounted socket unit with supporting strip. 2,606,226, Aug. 5.

Matz, Edward R., assignee: *See*—
Matz, Kenneth O.

Matz, Kenneth O., Bremen, assignor of one-half to E. R. Matz, Mishawaka, Ind. Collapsible hook structure. 2,602,689, July 8.

Matz, Norman: *See*—
Gold, Harold, Matz, and Straight.

Mauborgne, Paul, Niort, France. Line pickup device for fishing reel having nonrotary drums. 2,599,189, June 3.

Mauborgne, Paul, Niort, France. Fishing reel with nonrotary bobbin. 2,600,558, June 17.

Mauch, Hans A.: *See*—
Henschke, Ulrich K., and Mauch.

Mauchly, John W.: *See*—
Eckert, John P., Jr., and Mauchly.

Mauck, Robert J., Detroit, Mich. Rain trough for vehicle windows. 2,587,354, Feb. 26.

Maude, Aylmer H., and D. S. Rosenberg, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of polychloroethenes. 2,598,646, May 27.

Mauge, Marcel R.: *See*—
Borel, Pierre C., Escande, and Mauge.

Maui Pineapple Company, Ltd., assignee: *See*—
Baldwin, Henry J., A. N., and Mihara.
Sheffield, Eugene S., Jr., and Bainbridge.

Maullin, Leonard: *See*—
Schwimmer, William E., and Maullin.

Maurer, Edward C., St. Paul, Minn. Selectively operated garment finisher. 2,587,745, Mar. 4.

Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Synchronised centrifugal clutch. 2,613,782, Oct. 14.

Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Synchronised centrifugal pawl clutch. 2,613,783, Oct. 14.

Maurer, Fred C., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Adjustable chair with leg supporting platform. 2,604,141, July 22.

Maurer, Hiram V.: *See*—
Phelps, Herbert S., Curtis, and Maurer.

Maurer, Howard F., North Tonawanda, N. Y. Record changing device for phonographs. 2,616,706, Nov. 4.

Maurer, Marion F., Springfield, Ohio. Periodic mercury switch mechanism. 2,602,865, July 8.

Maurer, Michael H., Miami, Ariz., and E. S. Roberts, assignors to Chemical Construction Corporation, New York, N. Y. Apparatus for acid sludge decomposition. 2,605,171, July 29.

Maurer, Spencer B., and H. P. Ebert, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Gas hammer. 2,609,813, Sept. 9.

Maurer, Willy K., K. F. Schoen, and K. P. Frey, Augsburg, Germany, assignors to H. W. Link, Detroit, Mich. Stirring apparatus. 2,621,907, Dec. 16.

Maurey, Eugene E., Chicago, Ill. Pulley. 2,618,495, Nov. 18.

Maurice, George J., Muskego, Wis. Flint holder. 2,605,944, Aug. 5.

Maurice, Jean, Ablon, France, assignor to Societe Anonyme Francaise Du "Ferodo." Disk clutch. 2,597,356, May 20.

Maus, Lester F., Minnesota City, Minn. Stalk feeding mechanism. 2,606,559, Aug. 12.

Mauser, Francis P., Parkersburg, W. Va. Alphabet- and numeral-teaching guide. 2,584,601, Feb. 5.

Maussnest, Frederick K., Queens Village, N. Y., now by change of nnme Frederick K. Maust. Counterbalancing device. 2,610,524, Sept. 16.

Maust, Frederick K.: *See*—
Maussnest, Frederick K.

Mautner, Erwin W., assignee: *See*—
Mautner, Henry M., and Weiss.

Mautner, Henry M., and A. J. Weiss, assignors to E. W. Mautner and P. R. Unger, doing business as Mid-West Heat Service, Chicago, Ill. Cooling system and control. 2,620,635, Dec. 9.

Maves, Verner A. H., Ottawa, Ontario, Canada. Combination salt and pepper shaker with slidable perforate valve plate for selective discharge. 2,590,437, Mar. 25.

Mavity, Julian M.: *See*—
Bielawski, Mitchell S., and Mavity.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Supported phosphoric acid catalyst and its preparation. 2,584,102, Feb. 5.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Strengthening a calcined supported phosphoric acid catalyst. 2,596,497, May 13.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Supported phosphoric acid catalyst and manufacture. 2,596,498, May 13.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of a supported H_3PO_4 catalyst. 2,613,187, Oct. 7.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of a supported H_3PO_4 catalyst. 2,613,188, Oct. 7.

Mavor & Coulson, Limited, assignee: *See*—
Galloway, William S.
Gullick, Ernest D. M.
Jackson, David, and Thomson.
Mavor, John B.
McCulloch, Thomas.
Sproul, John C.
Weir, William.

Mavor, John B., assignor, by mesne assignments, to Mavor and Coulson, Limited, Glasgow, Scotland. Mining machine. 2,580,569, Jan. 1.

Mavor, John B., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Prop-withdrawing apparatus for use in mines. 2,597,807, May 20.

Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for applying pressure to shoe bottoms. 2,602,173, July 8.

Mawer, Frank C., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Production of ethylene oxide. 2,585,483, Feb. 12.

Mawney, Robert G., assignor to Metals & Controls Corporation, Attleboro, Mass. Control relay. 2,594,670, Apr. 29.

Max, Fritz, Staten Island, N. Y., and W. Schmidt-Nickels, Little York, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Benzothiophene anthraquinone dyestuffs. 2,615,898, Oct. 28.

Maxam, Allen B., Burbank, Calif. Model airplane wheel structure. 2,592,164, Apr. 8.

Maxant Button and Supply Co., assignee: *See*—
Maxant, Edwin A.
Maxant, Robert E.

Maxant, Edwin A., Riverside, Ill., assignor to Maxant Button and Supply Co. Gauge for marking garment belts. 2,601,621, June 24.

Maxant, Robert E., Riverside, Ill., assignor to Maxant Button and Supply Co. Ear muff frame and mounting. 2,615,169, Oct. 28.

Maxcy, William J.: *See*—
Sanders, Herbert L., and Maxcy.

Maxcy, William J., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Light sensitive diazotype layer containing a white opacifying pigment. 2,603,564, July 15.

Maxey, Kenneth H., Davis, and K. P. O'Toole, Vallejo, Calif. Tuning and locking tool. 2,601,795, July 1.

Maxfield, Henry J., Westerville, Ohio. Skein holder. 2,582,497, Jan. 15.

Maxham, Daniel W., Hogansville, Ga. Spinning machine. 2,598,185, May 27.

Maxim Motor Company, assignee: *See*—
Arps, Edmund J.

Maxim Silencer Company, The, assignee: *See*—
Williamson, William R., and Tyskewicz.

Maxon, Glenway, Jr., Milwaukee, Wis. Flame cutting machine. 2,583,002, Jan. 22.

Maxon, Glenway, Jr., Milwaukee, Wis. Concrete mixing apparatus. 2,590,438, Mar. 25.

Maxon, Glenway, Jr., Milwaukee, Wis. Dump body construction. 2,613,106, Oct. 7.

Maxson, Joe E., Sandusky, Ohio. Ladder extension. 2,599,117, June 3.

Maxson, Louis A., Claremont, N. H., assignor to Joy Manufacturing Company. Feeding device. 2,581,805, Jan. 8.

Maxwell, Charles A., Freeville, C. F. Lutton and L. A. Besha, Ithaca, N. Y. Animal trap. 2,587,500, Feb. 26.

Maxwell, Charles S.: *See*—
Wilson, Lucius H., Landes, and Maxwell.

Maxwell, Charles S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Sizing fibrous materials with modified urea-formaldehyde resin. 2,582,840, Jan. 15.

Maxwell, Fred A., Bedford, Ohio. Recessing tool. 2,601,541, June 24.

Maxwell, John A., Detroit, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Automobile body front pillar. 2,588,643, Mar. 11.

Maxwell, John A., Detroit, Mich. Sirup dispensing unit for soda fountains. 2,603,389, July 15.

Maxwell, John B., assignor to Maxwell Refrigeration Limited, Vancouver, British Columbia, Canada. Portable refrigerating apparatus. 2,610,472, Sept. 16.

Maxwell, Loyal C., Chicago, and W. P. Hinkel, Brookfield, assignors to Armour and Company, Chicago, Ill. Preparation of insulin from pancreas glands. 2,595,278, May 6.

Maxwell Refrigeration Limited, assignee: *See*—
Maxwell, John B.

Maxwell, Robert W., assignee: *See*—
Nickerson, Richard W.

Maxwell, Vasco T., Houston, Tex. Hydraulically operated valve seat. 2,600,898, June 17.

Maxwell, Walter, Marshfield, Wis. Traction device for motor vehicle wheels. 2,622,933, Dec. 23.

May, Anthony A., Decatur, Ga. Spring construction for cradles. 2,589,562, Mar. 18.

May, Arthur E., Jr., Boise, Idaho. Material conveying toy. 2,618,376, Nov. 18.

May, Arthur E., Jr., North Bend, Oreg. Toy conveyer. 2,618,377, Nov. 18.

May & Baker Limited, assignee: *See*—
John, David H. O., and Field.
Newbery, George, and Libman.

May, Edward M., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich. Hydraulic system comprising a servomotor of the follow-valve type and improved control means therefor. 2,580,686, Jan. 1.

May, Edward M., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich. Hydraulic transmitter mechanism. 2,607,196, Aug. 19.

May, Edward M., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich. Charging valve in refrigeration apparatus. 2,614,400, Oct. 21.

May, Elmer I.: *See*—
Miller, Einer A., and May.

May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Producing lithium sulfate from lithium phosphates. 2,608,465, Aug. 26.

May, Harold F., Valley Stream, assignor to The Teleregister Corporation, New York, N. Y. Electrical storage and signaling system. 2,594,960, Apr. 29.

May, Harry C., East McKeesport, and R. R. Stevens, Forest Hills, Pa., assignors to Westinghouse Air Brake Company. Control mechanism. 2,594,575, Apr. 29.

May, Harry C., East McKeesport, and R. R. Stevens, Forest Hills, Pa., assignors to Westinghouse Air Brake Company. Fluid pressure control apparatus. 2,594,576, Apr. 29.

May, Harvey, assignee: *See*—
Granberg, Albert J.

May Hosiery Mills, assignee: *See*—
Minton, Clarence W.
Schwartz, Shepard B., and Blum.

May, John, and J. C. May, Youngstown, Ohio. House trailer heating system. 2,587,871, Mar. 4.

May, John C.: *See*—
May, John and J. C.

May, John W., assignor to Deering Milliken Research Trust, Pendleton, S. C. Spindle. 2,597,015, May 20.

May, John W., assignor to Deering Milliken Research Trust, Pendleton, S. C. Yarn guide for automatic bobbin winders. 2,611,547, Sept. 23.

May, Joseph F.: *See*—
Strughold, Peter, and May.

May, La Verne E., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Centering mechanism for aircraft controls. 2,611,561, Sept. 23.

May, Merrill R., Brooklyn, assignor to Sun Chemical Corporation, Long Island City, N. Y. Printing ink. 2,612,480, Sept. 30.

May, Otto H., Schwabisch Gmund, Germany. Toggle press linkage. 2,587,746, Mar. 4.

May, Otto H., Schwabisch Gmund, Germany. Toggle press. 2,600,242, June 10.

May, Paul D.: *See*—
Lee, Robert J., and May.

May, Paul D., Galveston, and R. J. Lee, La Marque, assignors to Pan American Refining Corporation, Texas City, Tex. Condensation of aromatic hydrocarbons with formaldehyde catalyzed by formic acid. 2,597,159, May 20.

May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Shaft positioning device. 2,585,955, Feb. 19.

May, Sam, assignor of one-half to R. T. Moloney, Chicago, Ill. Coin control. 2,581,681, Jan. 8.

May and Scofield, assignee: *See*—
Ward, James L.

May, Stuart L., Huntington, N. Y. Loupe. 2,599,716, June 10.

May, Thomas P., Washington, D. C., and O. D. Shreve, Chapel Hill, N. C. Rain repellent coating composition. 2,605,192, July 29.

May, Walter G., Roselle, and S. B. Sweetser, Cranford, N. J., assignors to Standard Oil Development Company. Hydrocarbon synthesis process with two-stage coke gasification. 2,620,348, Dec. 2.

May, William A., Philadelphia, Pa. Dental impression tray. 2,598,927, June 3.

Mayack, Stanley, Frankfort, N. Y. Artificial leg. 2,590,782, Mar. 25.

Maybach, Gerald E., Bowmansville, N. Y., assignor to National Battery Company, St. Paul, Minn. Battery liquid level indicator. 2,615,337, Oct. 28.

Maybarduk, Leon A., Sunnyside, N. Y., assignor to General Precision Laboratory Incorporated. Full-view concentric indicator. 2,613,629, Oct. 14.

Mayberry, De E. B., Detroit, Mich. Drain trap scraping and cleaning means. 2,610,696, Sept. 16.

Maycock, Russel L., Oakland, and C. L. Dunn, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing and refining ethyl alcohol. Re. 23,507, May 27.

Mayer, Allan, Katonah, N. Y., assignor to General Precision Laboratory Incorporated. Rapid developer trap. 2,618,210, Nov. 18.

Mayer, Bruno, New York, N. Y. Foldable serving table. 2,593,471, Apr. 22.

Mayer, Carl F., Lakewood, Ohio. Cooling system for industrial ovens of the conveyer type. 2,603,882, July 22.

Mayer, Charles H., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Torque-limiting rotary power transmission device. 2,618,186, Nov. 18.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Broiler burner and radiant screen for gas cooking ranges. 2,582,642, Jan. 15.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven burner control mechanism. 2,584,147, Feb. 5.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for cooking ranges. 2,607,316, Aug. 19.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Solenoid operated valve. 2,607,368, Aug. 19.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven burner ignition and control mechanism. 2,607,416, Aug. 19.

Mayer, Charles M., and S. T. Craig, assignors to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for gas burners. 2,607,407, Aug. 19.

Mayer, Ernest: *See*—
Marcy, Henry T., Mayer, and Reeves.

Mayer, Hans: *See*—
Riat, Henri, Anderau, Wegmann, Mayer, and Menzi.
Riat, Henri, and Mayer.

Mayer, Harry F., Baldwinsville, N. Y., assignor to General Electric Company. Electronic time-delay system. 2,590,783, Mar. 25.

Mayer, Ivan: *See*—
Martin, Homer Z., and Mayer.

Mayer, Jack, New York, N. Y. Clock mechanism and parts for the assembly thereof. 2,595,157, Apr. 29.

Mayer, John: *See*—
Kirkbride, John F., and Mayer.
Padilla, Carlos, and Mayer.

Mayer, John J., Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Foot and leg rest for row seats. 2,583,223, Jan. 22.

Mayer, Joseph: *See*—
Krieg, Anthony W., and Mayer.

Mayer, Joseph, Oxford, Ohio. Umbrella. 2,621,669, Dec. 16.

Mayer, Joseph P., Chicago, Ill., assignor to Birtman Electric Company. Speed governor for motors. 2,586,841, Feb. 26.

Mayer, Louis, Whitewood, S. Dak. Cattle guard. 2,618,469, Nov. 18.

Mayer, Louis T., Detroit, assignor to No-Sag Spring Company, Warren Township, Mich. Spring construction. 2,617,123, Nov. 11.

Mayer, Margaret B., Hollywood, Pa. Bunion and foot corrective means. 2,596,038, May 6.

Mayer, Martin E., assignor to J. Solomon, New York, N. Y. Double container. 2,611,499, Sept. 23.

Mayer, Max J., Scarsdale, N. Y. Treating metatitanic acid. 2,622,010, Dec. 16.

Mayer, Max J., Scarsdale, N. Y. Treating metatitanic acid. 2,622,011, Dec. 16.

Mayer, Max J., Scarsdale, N. Y. Treating metatitanic acid. 2,622,012, Dec. 16.

Mayer, Max J., Scarsdale, N. Y. Treating metatitanic acid. 2,622,013, Dec. 16.

Mayer, Oscar, & Co., Inc., assignee: *See*—
Botts, Robert E.

Mayer, Raoul G.: *See*—
Adams, Orlando P., and Mayer.

Mayer, Robert O., Cincinnati, Ohio. Sectional molder's flask. 2,590,720, Mar. 25.

Mayer, Robert W.: *See*—
Ward, Newton E., Mayer, and Mersman.

Mayer, Waldemar F., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Cooling system for air supplied to compartments of aircraft. 2,581,964, Jan. 8.

Mayer, William H., Fort Wayne, Ind. Torque wrench. 2,601,044, June 17.

Mayers, David I. D.: *See*—
Mayers, Fred T., and D. I. D.

Mayers, Fred T., and D. I. D., Ruthland, Va. Bottle carrier and combination thereof with bottle crate. 2,603,377, July 15.

Mayes, Fred M., Ridley Park, Pa., and A. J. Tickner, Hollywood, Calif. Magnetometer gradiometer apparatus and method. 2,620,381, Dec. 2.

Mayes, Lorenzor, C., Sikes, La. Chain release for load binders. 2,604,678, July 29.

Mayfield, Evart E., assignor to Hercules Powder Company, Wilmington, Del. Adhesive comprising vinsol and a butadiene-acrylonitrile synthetic rubber. 2,606,884, Aug. 12.

Mayhew, David D.: *See*—
Hedquist, Milton T., Mayhew, Van De Sampel, and Whalen.

Mayhew, Robert L., Great Neck, assignor to Hydrocarbon Research, Inc., New York, N. Y. Gas generator. 2,594,329, Apr. 29.

Mayhew, Robert L., Great Neck, assignor to Hydrocarbon Research, Inc., New York, N. Y. Gas generator. 2,594,330, Apr. 29.

Maykemper, Henry, Milwaukee, assignor to National Pressure Cooker Company, Eau Claire, Wis. Steaming and pressing iron. 2,615,265, Oct. 28.

Maykuth, Daniel J.: *See*—
Jaffee, Robert I., Ogden, and Maykuth.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Use of spent Fischer-Tropsch catalyst for manufacture of carbon monoxide-hydrogen synthesis gas. 2,598,186, May 27.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of hydrocarbon synthesis gas. 2,609,382, Sept. 2.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of carbon monoxide and hydrogen synthesis gas. 2,618,543, Nov. 18.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of hydrogen and carbon monoxide synthesis gas. 2,618,611, Nov. 18.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reforming natural gas to produce hydrogen and carbon monoxide synthesis gas. 2,622,089, Dec. 16.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Counter circuit. 2,583,003, Jan. 22.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments to Farnsworth Research Corporation. Electronic timing circuit. 2,589,270, Mar. 18.

Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Multilane traffic warning circuit. 2,607,000, Aug. 12.

Maylen, Jack H., Bartlesville, Okla. Hedge and shrubbery trimmer. 2,594,961, Apr. 29.

Maynard, James, assignor to Elgin Rowland Parker, Compton, Calif. Valve. 2,612,337, Sept. 30.

Maynard, John E., Fulton, and R. L. Shetler, Syracuse, N. Y., assignors to General Electric Company. Sensitivity time control. 2,602,922, July 8.

Maynard, John T.: *See*—
Hill, Arthur J., and Maynard.

Maynard, John T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyureas. 2,595,400, May 6.

Maynard, Kermit W., Chula Vista, and J. C. Weidel, Bonita, assignors to Rohr Aircraft Corporation, Chula Vista, Calif. Utility stand. 2,602,615, July 8.

Maynard, Philip A., and E. M. O'Reilly, St. Paul, and F. G. Gnauck, Birchwood, White Bear, Minn. Snowplow. 2,605,561, Aug. 5.

Mayne, Robert, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Airfoil, and particularly helicopter blade. 2,589,193, Mar. 11.

Mayne, William H., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,591,177, Apr. 1.

Mayne, Willis O., assignee: *See*—
Washburn, Frank.

Mayner, Stanley, Cleveland Heights, assignor of two-fifth to T. S. Mayner, Russell Township, Ohio. Fluid power transmission. 2,601,045, June 17.

Mayner, Stanley, Cleveland Heights, assignor of two-fifths to T. S. Mayner, Russel Township, Ohio. Fluid power transmission. 2,623,407, Dec. 30.

Mayner, Stanley, Cleveland Heights, assignor of two-fifths to T. S. Mayner, Russel Township, Ohio. Turbine type hydraulic torque converter. 2,623,408, Dec. 30.

Mayner, Thomas S.: *See*—
Mayner, Stanley.

Mayner, Thomas S., Chagrin Harbor, Willoughby Township, Lake County, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Fluid treating helically advancing threads. 2,583,515, Jan. 22.

Maynes, Emma C., executrix, assignee: *See*—
Maynes, Hyla F.

Maynes, Hyla F., deceased, assignor of one-half to E. C. Maynes, Miami, Fla.; E. C. Maynes, executrix of said H. F. Maynes. Syringe operating device. 2,591,457, Apr. 1.

Mayo, Clyde R., assignor to The Haloid Company, Rochester, N. Y. Xerographic plate holder. 2,619,418, Nov. 25.

Mayo, Clyde R., Fairfield, Ill., and M. Katcher, New York, N. Y.; said Mayo assignor to said Katcher. Shock absorber. 2,607,443, Aug. 19.

Mayo, Edward L., Cleveland, Ohio, assignor to Teledex, Inc., New York, N. Y. Universal mounting frame for use with telephones. 2,588,862, Mar. 11.

Mayo, Edward L., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat valve mounting. 2,606,718, Aug. 12.

Maytag Company, The, assignee: *See*—
Faust, Stewart W.
Scott, William F.
Smith, Thomas R.
Smith, Thomas R., and Combs.

Mazanek, Walter: *See*—
Junkunc, Bela B., and Mazanek.

Maze, Perry V., Rulo, Nebr. Fishing pole holder. 2,592,306, Apr. 8.

Mazer Bros. Inc., assignee: *See*—
Mazer, Samuel.

Mazer, Samuel, New York, N. Y., assignor to Mazer Bros. Inc. Centrifugal casting machine. 2,618,031, Nov. 18.

Mazur, Ferdinand J., Natrona Heights, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mounting for rearview mirrors. 2,616,335, Nov. 4.

Mazurk, Louis R.: *See*—
Ayers, George W., Harton, and Masurk.

Mazzel, Oswald, assignor to Aircraft Hardware Mfg. Co. Inc., New York, N. Y. Wire holding and prestressing device. 2,614,801, Oct. 21.

McAdam, Harry H., Redwood City, assignor to Hodges Research and Development Company, San Francisco, Calif. Apparatus for aging meats and storing vegetables. 2,591,178, Apr. 1.

McAdams, Don R., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of a sintered hydrocarbon-synthesis catalyst bed. 2,623,022, Dec. 23.

McAdoo, Harold L., Bartlesville, Okla. Pliers for round work. 2,593,164, Apr. 15.

McAfee, Don G., Grand Rapids, Mich. Cupboard door closure. 2,598,814, June 3.

McAfee, Jerry, Port Arthur Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Desulfurization of a hydrocarbon oil. 2,623,006, Dec. 23.

McAfee, William T., Roanoke, Va. Dental matrix-retainer. 2,618,065, Nov. 18.

McAlear Manufacturing Company, assignee: *See*—
Henderson, James P.

McAleer, Howard J., Detroit, Mich. Buffing wheel. 2,616,227, Nov. 4.

McAlevy, Ambrose, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizable chlorosulfonated polymers. 2,586,363, Feb. 19.

McAlister, Hubert P., Wyandotte, Mich. Torque mechanism. 2,590,635, Mar. 25.

McAlister, Lawrence C., Jr., Cheverly, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Insecticidal composition comprising DDT, pyrethrins, and piperonyl butoxide. 2,600,668, June 17.

McAllister, Robert W., Carlisle, Mass. Making calcium carbonate. 2,617,711, Nov. 11.

McAllister, Sumner H., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Alkylation of isoparaffins with isomerized olefins. 2,591,367, Apr. 1.

McAloon, Francis R.: *See*—
Harris, Wilbur T., and McAloon.

McAlpine, Francis J. and M. L. Rowan, and R. E. L. Aldrich, Jr., Belmond, Iowa. Bale conveyer for rotary baler. 2,589,837, Mar. 18.

McAlpine, Melvin L.: *See*—
McAlpine, Francis J. and M. L., and Aldrich.

McAlpine, Roderick K., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk frame designation transfer. 2,590,262, Mar. 25.

McAlpine, Roderick K., U. S. Army, Arlington, Va. Relay ring circuit. 2,590,879, Apr. 1.

McAneny, Michael J., assignee: *See*—
Craig, Burnie M.

McAneny, Michael J., Hillsboro, N. Mex. Strap fastening tool. 2,612,802, Oct. 7.

McAneny, Michael J., Hillsboro, N. Mex. Strap fastening tool. 2,613,803, Oct. 7.

McAninch, Herbert A.: *See*—
Tharpe, Rollin B., and McAninch.

McArthur, Donald A., assignor to The Wean Engineering Co., Inc., Warren, Ohio. Strip lifting device for pickling tanks. 2,594,192, Apr. 22.

McArthur, Donald F., and W. J. Goertz, Wichita, Kans.; said McArthur assignor to said Goertz. Control for flying model airplanes. 2,601,409, June 24.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,613,332, Oct. 7.

McArthur, John E., Dauphin, Manitoba, Canada. Shuttle winder. 2,586,548, Feb. 19.

McAskill, James I., Kingston, Ontario, Canada. Conditioning and granulating finely divided materials. 2,593,326, Apr. 15.

McAulay, Alexander E.: *See*—
Galvin, Gerald D., and McAulay.

McAuley Manufacturing, Inc., assignee: *See*—
Graetz, William P.

McAuliffe, Clifford L., San Pedro, Calif. Tube slotting machine. 2,600,669, June 17.

McAuliffe, Patrick D., Los Angeles, Calif. Lawn edge trimmer. 2,608,044, Aug. 26.

McBean, Douglas M., assignor to McBean Research Corporation, Rochester, N. Y. Heat exchanger. 2,591,179, Apr. 1.

McBean, Douglas M., Rochester, L. C. Tallman, Churchville, and R. E. Moyer, East Rochester, assignors to McBean Research Corporation, Rochester, N. Y. Machine for filling cans. 2,621,844, Dec. 16.

McBean Research Corporation, assignee: *See*—
McBean, Douglas M.
McBean, Douglas M., Tallman, and Moyer.

McBee Company, The, assignee: *See*—
Burke, William F., and Essex.
Connor, Roger.
Connor, Roger, and Hooe.
Davis, Herbert C.
Decker, David A.
Feiertag, Arthur W.
Hooe, Hunter E.
McBee, Harry B., and Selby.
Nolan, Merrill C.
Torkelson, Torkel E.
Young, Don H.

McBee, Earl T., Lafayette, Ind., W. B. Ligett, Detroit, Mich., and V. V. Lindgren, West Lafayette, assignors to Purdue Research Foundation, Lafayette, Ind. Chloropentafluorobenzene. 2,586,364, Feb. 19.

McBee, Earl T., and J. S. Newcomer, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Preparation of trichlorovinylpentachlorocyclopentadiene. 2,597,016, May 20.

McBee, Earl T., West Lafayette, Ind., and M. R. Frederick, Wadsworth, Ohio, assignors to Purdue Research Foundation, West Lafayette, Ind. Chlorination of (perfluoroalkyl) benzenes. 2,601,310, June 24.

McBee, Earl T., West Lafayette, Ind., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind. Perfluoro-alkyl-cyclohexanes. 2,606,212, Aug. 5.

McBee, Earl T., R. M. Robb, and W. B. Ligett, La Fayette, assignors to Purdue Research Foundation, West Lafayette, Ind. Perfluorination. 2,614,129, Oct. 14.

McBee, Harry B., and D. R. Selby, St. Louis, Mo., assignors to The McBee Company, Athens, Ohio. Binder. 2,620,802, Dec. 9.

McBeth, Freeman M., assignor to Macbeth Engineering Corporation, Harrisburg, Pa. Food cooking apparatus. 2,601,823, July 1.

McBiles, Mike: *See*—
Tong, Jerry E., and McBiles.

McBirney, Nettie C., Tulsa, Okla. Cooky molding cutter. 2,596,159, May 13.

McBride, Byron V., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sprayed metal coating. 2,607,983, Aug. 26.

McBride, Byron V., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compositions embodying solid lubricants. 2,619,458, Nov. 25.

McBride, Cleao W., Burley, Idaho. Rotary sprinkler. 2,596,577, May 13.

McBride, Edward J., Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Blade element for rotary fluid machines. 2,597,510, May 20.

McBride, Eugene B.: *See*—
Benedict, Walter E., and McBride.

McBride, Frank D., Philadelphia, Pa. Fluxing stick. 2,616,384, Nov. 4.

McBride, Jesse E., Highland Park, and W. G. Boehm, assignors to Palmer-Bee Company, Detroit, Mich. Caterpillar drive chain. 2,609,086, Sept. 2.

McBroom, James C.: *See*—
Cuthill, Annandale, and McBroom.

McBurney, Charles H., assignor to Rohm & Haas Company, Philadelphia, Pa. Resinous insoluble reaction products of tertiary amines with haloalkylated vinyl aromatic hydrocarbon copolymers. 2,591,573, Apr. 1.

McBurney, Charles H., assignor to Rohm & Haas Company, Philadelphia, Pa. Nitrogenous anion-exchange resins. 2,591,574, Apr. 1.
McBurney, Charles H., assignor to Rohm & Haas Company, Philadelphia, Pa. Diketone ion-exchange resins. 2,613,200, Oct. 7.
McBurney, Willard B., Atlanta, Ga. Fly ash arrester. 2,588,138, Mar. 4.
McCabe, Chester V., Crown Point, Ind., assignor to United States Steel Company. Discharge apparatus for coal charging hoppers. 2,612,299, Sept. 30.
McCabe, Hilton H., J. M. Connell, M. H. Dalley, and L. W. Richards, Palm Springs, Calif. Adjustable ventilator. 2,616,355, Nov. 4.
McCabe, Ira E., Chicago, Ill. Electric refrigeration and defroster controller. 2,584,482, Feb. 5.
McCabe, John B., assignor to The Heil Co., Milwaukee, Wis. Self-venting valve. 2,589,622, Mar. 18.
McCabe, John B., and H. A. Strelow, Milwaukee, and R. W. Marty, Waukesha, assignors to The Heil Co., Milwaukee, Wis. Loading device for bottle washers or the like. 2,583,787, Jan. 29.
McCabe, John J., New York, N. Y. Tag for an infusing substance containing bag and package resulting therefrom. 2,606,836, Aug. 12.
McCabe-Powers Auto Body Co., assignee: *See*—
Balogh, Roy O.
Humpal, Eugene G., and Balogh.
Smith, Merton, and Stewart.
McCabe, William E., Jr., Denver, Colo. Fill and discharge valve for liquefied hydrocarbon containers. Re. 23,487, Apr. 29.
McCaffrey, Francis H. G.: *See*—
Chalmers, John B., and McCaffrey.
McCain, Edward H.: *See*—
Neal, Claude E., and McCain.
McCain, George L., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electromechanical transmission. 2,588,751, Mar. 11.
McCaine, Harry B., Atlantic City, N. J. Direction indicator with swingable arrow. 2,604,524, July 22.
McCallip, Medford A.: *See*—
Hughes, Mary F., McCallip, Paine, and Rosenberg.
McCall, Arthur B., Springfield, assignor of one-half to Vertus C. Barnett, Greenview, Ill. Air filter and breather for fluid fuel containers. 2,603,308, July 15.
McCall, Donald O., assignor to Basalt Rock Company, Inc., Napa, Calif. Side-fed forming press for elongated workpieces and feed and discharge mechanism therefor. 2,588,325, Mar. 4.
McCall, Donald O., assignor to Basalt Rock Company, Inc., Napa, Calif. Machine for bending sheets. 2,591,085, Apr. 1.
McCall, J. S., assignee: *See*—
Squyres, Clarence W.
McCall, John F., Minneapolis, Minn. Combined hitch and trailer guard. 2,601,993, July 1.
McCallum, Donald M.: *See*—
Moody, Norman F., and McCallum.
McCallum, Donald M., Edinburgh, Scotland, assignor to Ferranti Limited, Hollinwood, England. Servo control system. 2,588,742, Mar. 11.
McCallum, Donald M., Edinburgh, Scotland, assignor to Ferranti Limited, Hollinwood, England. Servo control system. 2,588,743, Mar. 11.
McCallum, Robert A., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,586,842, Feb. 26.
McCallum, Robert A., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,615,683, Oct. 28.
McCammon, Robert F.: *See*—
Johnson, Charles E., Haraden, and McCammon.
McCamy, Robert G., assignor to Cabin Crafts, Inc., Dalton, Ga. Cover for toilet seat lids. 2,608,694, Sept. 2.
McCandless, Edward L.: *See*—
Barnes, Malcolm H., and McCandless.
McCandless, Stanley, Hamden, Conn., assignor to Century Lighting, Inc., New York, N. Y. Reflector for controlling at a predetermined angle direct and reflected rays from a light source. 2,591,661, Apr. 1.
McCann, Bert P., Seattle, Wash. Radiant heating pad for the feet and lower limbs. 2,612,585, Sept. 30.
McCann, Clyde D., Des Moines, Iowa. Securing light socket cups to supporting plates. 2,604,580, July 22.
McCann, Forest G., San Diego, Calif. Plier type, toggle actuated wrench. 2,604,803, July 29.
McCann, John J., Lowell, Mass. Pot spinning apparatus. 2,594,783, Apr. 29.
McCann, Judith, New York, N. Y. Earring. 2,610,486, Sept. 16.
McCants, Henry C., Hartsdale, assignor to Penn-Dixie Cement Corporation, New York, N. Y. Conversion of Portland cement kiln dust to an adsorbent material and adsorbent material made thereby. 2,605,236, July 29.
McCargar, George L., Detroit, Mich. Packaging machine. 2,597,120, May 20.
McCarron, Donald F.: *See*—
Kochner, William B., and McCarron.
McCarthy, Charles S., Brimingham, assignor to American Forging and Socket Company, Pontiac, Mich. Brake actuator. 2,588,027, Mar. 4.
McCarthy, James F., Mars, Pa., assignor, by mesne assignments, to Treesdale Laboratories and Textile Processing Company. Water- and flameproofing composition. 2,591,368, Apr. 1.
McCarthy, James F., Oaks Corners, and H. T. Fluck, assignors to Shuron Optical Company, Inc., Geneva, N. Y. Lens blocking device. 2,603,922, July 22.
McCarthy, Jane F., Minneapolis, Minn. Receptacle and wiper. 2,609,560, Sept. 9.
McCarthy, John C., assignee: *See*—
Schwenzer, George A.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Smooth-textured lithium-base greases. 2,580,570, Jan. 1.
McCarthy, Rollin H., Madison, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Flyer mechanism for toroidal coil winding machines. 2,588,139, Mar. 4.
McCarthy, Severus E., Sitkum, Oreg. Fish lure. 2,592,445, Apr. 8.
McCarthy, Stanley J., Detroit, Mich. Foldable closure for openings in walls. 2,616,497, Nov. 4.
McCarthy, Thomas F., Washington, D. C. Mimeograph stencil signature shield. 2,584,806, Feb. 5.
McCarthy, Thomas F., Washington, D. C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Pay station time signal. 2,602,119, July 1.
McCarthy, Thomas O., Pawling, N. Y. Compass correction system. 2,581,428, Jan. 8.
McCarthy, Thomas O., Pawling, N. Y. Motion transmission system. 2,581,436, Jan. 8.
McCarthy, Thomas O., Pawling, N. Y. Motion transmission system. 2,585,956, Feb. 19.
McCartney, Robert L., Renton, Wash. Rocking horse. 2,581,269, Jan. 1.
McCarty, Lewis C., Jr., and H. G. Felio, assignors to The Marine Aircraft Corporation, New York, N. Y. Controller for monogram signs. 2,583,184, Jan. 22.
McCarty, Lewis C., Jr., and H. G. Felio, assignors to The Marine Aircraft Corporation, New York, N. Y. Paneled display for airplane wing surfaces. 2,617,220, Nov. 11.
McCarty, Lourdes V.: *See*—
Johnson, Roy W., Zarwell, and McCarty.
Pawelsky, Vernon R., McCarty, and Zarwell.
McCarty, Lourdes V., Milwaukee, Wis., assignor to A P Controls Corporation. Adjustable fluid metering valve. 2,583,788, Jan. 29.
McCarty, William H.: *See*—
Demirjian, Stephen G., and McCarty.
McCarvell, John H.: *See*—
Carlisle, Willis C., and McCarvell.
McCash, Perry V., Seattle, Wash. Combination spinning and casting fishing reel. 2,621,869, Dec. 16.
McCaskey Register Company, The, assignee: *See*—
West, Fletcher L.
McCaskie, William, New Bedford, Mass., assignor to William McCaskie, Inc. Reel. 2,582,597, Jan. 15.
McCaskie, William, Inc., assignee: *See*—
McCaskie, William.
McCaul, Edward W.: *See*—
Boyko, John, and McCaul.
Webb, Jervis B., and McCaul.
McCaul, Edward W., Birmingham, and S. W. Jessop, assignors to Jervis B. Webb Company, Detroit, Mich. Submerged drive line conveyer for floor trucks. 2,621,609, Dec. 16.
McCaulay, David A.: *See*—
Llen, Arthur P., and McCaulay.
McCaulay, David A., Chicago, Ill., and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Thioether-HF-copper complex compounds. 2,615,908, Oct. 28.
McCauley, John C., Mattapan, Mass., assignor to Ludlow Typograph Company, Chicago, Ill. Mold for casting printers' rules, leads, and the like. 2,600,559, June 17.
McCauley, Myron D., Huntington Woods, assignor to Rinshed-Mason Company, Detroit, Mich. Closure for paint cans. 2,585,334, Feb. 12.
McCaulley, Daniel B., Pueblo, Colo. Saw filer. 2,618,176, Nov. 18.
McCharen, Roy L., Borger, Tex. Outboard motor carrier for automobile bumpers. 2,592,050, Apr. 8.
McChesney, Howard H., Bala-Cynwyd, assignor to The Welsbach Corporation, Philadelphia, Pa. Tamperproof valve. 2,602,629, July 8.
McClain, Benjamin M., Seattle, Wash. Fishhook leader carrier. 2,594,472, Apr. 29.
McClain, Dorothy J.: *See*—
McClain, Harold L. and D. J.
McClain, Edward F., Jr., Washington, D. C. High stability radio wave frequency converter. 2,605,400, July 29.
McClain, Francis L., Jacksonville, Fla. Dental appliance. 2,600,899, June 17.
McClain, Harold L., Walnut Creek, Calif. Mortar mixer and tumbler. 2,599,852, June 10.
McClain, Harold L. and D. J., Walnut Creek, Calif. Multiple-unit muffin pan. 2,599,853, June 10.
McClean, Herbert G., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Power generating locomotive. 2,591,848, Apr. 8.
McCleary, Charles D.: *See*—
Romeyn, Hendrik, Jr., and McCleary.

McCleary, Rush F., Beacon, N. Y., and L. W. Devaney, Waco, Tex., assignors to The Texas Company, New York, N. Y. Production of fused cyclic thiophene compounds. 2,591,710, Apr. 8.
McClees, Ernest L., Stockton, Calif. Antikicking device for cows. 2,591,958, Apr. 8.
McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Eliminating spurious frequencies. 2,586,365, Feb. 19.
McClellan, James M., Jr.: *See*—
Wehmer, Frederick J., and McClellan.
McClellan, Lee W., Willoughby, F. J. Holberger, Cleveland, and H. E. Rose, Peninsula, assignors to The Motch & Merryweather Machinery Co., Cleveland, Ohio. Stock feed mechanism. 2,617,176, Nov. 11.
McClellan, Marcus E., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Side delivery rake and frame therefor. 2,583,383, Jan. 22.
McClellan, Marcus E., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Bale loader with wide pickup means. 2,612,979, Oct. 7.
McClellan, Marcus E., and L. G. Cheatum, Ottumwa, assignors to Deere Manufacturing Co., Dubuque, Iowa. Preliminary compacting feeding mechanism for balers. 2,592,932, Apr. 15.
McClellan, Marcus E., and L. G. Cheatum, Ottumwa, Iowa, and G. E. Hill, New Holland, Pa., assignors to Deere Manufacturing Co., Dubuque, Iowa. Automatic baler. 2,612,099, Sept. 30.
McClellan, Paul P., Old Greenwich, Conn., assignor to Jefferson Chemical Company, Inc., New York, N. Y. Producing ethylene oxide substantially free of acetaldehyde. 2,615,901, Oct. 28.
McClellan, William R., Kennett Square, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyethylene terephthalate monofils drawn and heat set for use as bristles. 2,615,784, Oct. 28.
McClelland, Clarence P., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper drive apparatus. 2,617,315, Nov. 11.
McClelland, Lewis W., Topeka, Kans. Device for milling keyway slots. 2,593,777, Apr. 22.
McClelland, Marcus E., and L. G. Cheatum, Ottumwa, Iowa, and G. B. Hill, New Holland, Pa., assignors to Deere Manufacturing Co., Dubuque, Iowa. Tying mechanism for balers. 2,621,588, Dec. 16.
McClelland, Richard P., Sidney, and W. E. Kishbaugh, Unadilla, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,624,018, Dec. 30.
McClendon, Ernest A., Odessa, Tex., assignor to Phillips Petroleum Company. Portable amine gas treater. 2,616,513, Nov. 4.
McClendon, Wallace R., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Cementing head. 2,620,037, Dec. 2.
McClenehan, Samuel, Jr., assignor to Valley Manufacturing Company, Valley, Nebr. Invertible rolling harrow. 2,615,291, Oct. 28.
McClernon, Francis H., Springfield, Mo. Foldable chair. 2,603,274, July 15.
McClintock, Cecil V.: *See*—
Lacy, Roy, Rossier, and McClintock.
McClintock, Hazel C., executrix: *See*—
Lacy, Roy, Rossier, and McClintock.
McClintock, Imogene, assignee: *See*—
McClintock, Sherman E.
McClintock, James A.: *See*—
Hewitson, Edward H., and McClintock.
McClintock, Sherman E., assignor of one-half to P. J. Stine, Orlando, Fla., and one-half to I. McClintock. Drive-in service device. 2,613,762, Oct. 14.
McClintock, Walter O.: *See*—
Le Baron, Ira M., McClintock, and Lawver.
McClish, Frank J., Portland, Oreg. Micrometer. 2,620,567, Dec. 9.
McCloskey, Thomas P., Jr., Charleston, Mo. Mowing machine. 2,582,051, Jan. 8.
McCloud, Robert A.: *See*—
De Back, William P., and McCloud.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting refrigeration apparatus. 2,598,408, May 27.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch for refrigerators. 2,595,967, May 6.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerating apparatus. 2,608,834, Sept. 2.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting refrigerating apparatus. 2,616,272, Nov. 4.
McClung, Clifford F.: *See*—
Taliaferro, David B., McClung, and Mueller.
McClung, Louis A., Denver, Colo. Nail holder. 2,599,651, June 10.
McClure, Truman J., Olney Springs, Colo. Door mounting. 2,596,706, May 13.
McCollum, Thomas A., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Expandible fastener insert. 2,591,575, Apr. 1.
McCollum, William, Jr., Westfield, and J. M. Wallace, Rahway, N. J., assignors to Tingley Reliance Rubber Corporation. Automobile fender flap clamp. 2,585,397, Feb. 12.
McColpin-Christie Corp., assignee: *See*—
Christie, Soren L.
McCombie, Frederick W., London, assignor to Megator Pumps & Compressors Limited, Feltham, England. Venting and draining means for pumps. 2,612,846, Oct. 7.
McConaughy, Donald, Darien, assignor to Production Associates, Incorporated, Fairfield, Conn. Container for washing stockings. 2,618,143, Nov. 18.
McConnaughy, Walter H., Washington, D. C. Leaf holder for desk calendars. 2,614,566, Oct. 21.
McConnel Bomford Limited, assignee: *See*—
McConnel, Frederic W., and Bomford.
McConnel, Frederic W., Pensax, and D. R. Bomford, Evesham, assignors to McConnel Bomford Limited, Pensax, England. Grain harvesting machine. 2,620,614, Dec. 9.
McConnell, Edward R., Syracuse, N. Y. Guide device for portable power saws. 2,581,766, Jan. 8.
McConnell, Frank, assignor to The American Hardware Corporation, New Britain, Conn. Latch. 2,614,876, Oct. 21.
McConnell, Frank, assignor to The American Hardware Corporation, New Britain, Conn. Door lock. 2,620,646, Dec. 9.
McConnell, Lee W., Butler, Ind. Garden hose sprayer attachment. 2,608,440, Aug. 26.
McConnell, Margaret O., Punta Gorda, Fla. Combination diaper and moistureproof cover. 2,584,898, Feb. 5.
McConnell, Nealy C.: *See*—
Goldblatt, Leo A., McConnell, and Summers.
McConnell, Robert A., Cambridge, Mass. Supersonic test device. 2,612,772, Oct. 7.
McConnell, Robert A., Emsworth, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target indication radar system. 2,600,255, June 10.
McConnell, Robert A., Emsworth, Pa. Supersonic testing apparatus. 2,618,968, Nov. 25.
McConnell, Robert A., Pittsburgh, Pa., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Single side band modulator. 2,589,838, Mar. 18.
McCool, John C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing carbothiolic acids. 2,587,580, Mar. 4.
McCool, John C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of zinc dithiocarbamate amine complexes. 2,604,484, July 22.
McCord Corporation, assignee: *See*—
Willard, Hobart H., and Gale.
McCord, Jesse L., Covington, Ga. Tool for extracting bushings. 2,614,318, Oct. 21.
McCorkell, Ernest A., Chicago, Ill. Holder for telephone handsets. 2,598,928, June 3.
McCorkle, James S., Hinton, W. Va. Underwater explosion gauge. 2,583,004, Jan. 22.
McCormack, Charles M., Scarsdale, and S. S. Faranda, Yonkers, assignors of one-third to said McCormack, one-third to said Faranda, and one-third to E. J. Freeman, Yonkers, N. Y. Water saving device for flush tanks. 2,602,934, July 15.
McCormack, Ralph H.: *See*—
Bolley, Don S., and McCormack.
McCormack, Thelma C., and C. G. Clark, Washington, D. C. Hair curling device. 2,609,822, Sept. 9.
McCormack, William B., and F. B. Stilmar, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixture of phthalocyanine vat dyes and making the same. 2,613,129, Oct. 7.
McCormic, John T., Indianapolis, Ind. Fishing bait or lure. 2,590,990, Apr. 1.
McCormick, Charles E., Detroit, Mich., assignor to The Acklin Stamping Company, Toledo, Ohio. Combined hinge and latch mechanism for motor car hoods. 2,620,889, Dec. 9.
McCormick, Clarence J., Chicago, Ill. Jet propulsion engine. 2,601,311, June 24.
McCormick & Company, Incorporated, assignee: *See*—
Towt, Louis V.
McCormick, Connie M., Hialeah, Fla. Vehicle elevating apparatus. 2,617,368, Nov. 11.
McCormick, Elmer L., Dunns Station, Pa. Wedge sawing machine. 2,581,682, Jan. 8.
McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,587,187, Feb. 26.
McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Power-operated control. 2,596,039, May 6.
McCormick, Frank, Nyack, N. Y., assignor to Federal Carton Corporation, North Bergen, N. J. Holder for rolls of tape with inserts. 2,591,576, Apr. 1.
McCormick, Hamilton L., Carmel, assignor to Fletcher Trust Company, trustee, Indianapolis, Ind. Generator speed control. 2,597,357, May 20.
McCormick, Thomas E., Florence, Ala. Animal trap. 2,598,007, May 27.
McCormick, William P., Glasgow, and R. G. Wilson, Cardross, Scotland. Stenciling machine. 2,623,456, Dec. 30.

McCoubrey, James A.: *See*—
Cave, William T., Alexander, and McCoubrey.
McCouch, Gordon P., Boonton, N. J., and D. K. Reynolds, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Panoramic receiver. 2,597,358, May 20.
McCouch, Gordon P., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Panoramic receiving system. 2,603,745, July 15.
McCourtie, George W.: *See*—
Wertz, Ralph D., and McCourtie.
McCoy, Carl J., Orcutt, Calif. Wet plug for well pipes. 2,605,847, Aug. 5.
McCoy, Charles W., Dayton, Ohio. High-voltage spark gap voltmeter with micrometer scale. 2,607,811, Aug. 19.
McCoy, David O.: *See*—
Hancock, Noel W., and McCoy.
McCoy, David O., assignor to Collins Radio Company, Cedar Rapids, Iowa. Linear sweep generator. 2,606,287, Aug. 5.
McCoy, David O., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-speed slewing. 2,611,893, Sept. 23.
McCoy, Ernest E., Grand Lake, Colo. Drip-catching spoon rack. 2,594,473, Apr. 29.
McCoy, Harold W.: *See*—
Nichols, Charles A., Bower, Welser, Edwards, Fletcher, McCoy, and Sample.
McCoy, Lawrence, Riverton, Wyo. Scraper and apron actuating mechanism. 2,597,659, May 20.
McCoy, Lloyd L., assignor to Ball Ice Machine Co., St. Louis, Mo. Manufacture of ice. 2,595,968, May 6.
McCoy, Marcus A., Los Angeles, assignor to United Geophysical Company, Inc., Pasadena, Calif. Frequency modulation. 2,588,551, Mar. 11.
McCoy, Marion M., Newark, N. J. Electric control for brake mechanisms. 2,596,779, May 13.
McCoy, Paul E., assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif. Quick-breaking bituminous emulsion. 2,585,336, Feb. 12.
McCoy, Paul E., assignor, by mesne assignments, to American Bitumuls & Asphalt Company, San Francisco, Calif. Bituminous emulsion. 2,615,818, Oct. 28.
McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Demodulating circuits. 2,597,886, May 27.
McCoy, Rawley D., Bronxville, and T. J. Kusto, New York, N. Y., assignors to The Sperry Corporation. Electronic signal mixer. 2,620,441, Dec. 2.
McCoy, Robert, New York, N. Y. Head protector and temple guard for baseball players. 2,607,036, Aug. 19.
McCoy, Robert E.: *See*—
Kalfaian, Meguer, and McCoy.
McCoy, Robert L., Baltimore, Md., assignor to General Electric Company. Combined grading and corona shield. 2,597,590, May 20.
McCracken, Edward A.: *See*—
Betts, Joseph L., Jr., McCracken, Rose and Wood.
McCracken, John H., Tulsa, Okla., assignor to Socony-Vacuum Oil Company, Incorporated. N(thiophenalkyl)-arylamines. 2,584,278, Feb. 5.
McCready, Rolland M., Berkeley, and V. G. Silveira, Albany, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of pea proteins. 2,607,768, Aug. 19.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic frequency divider. 2,602,153, July 1.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic radio weather station. 2,605,343, July 29.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Frequency generator employing a magnetic double cross valve. 2,611,119, Sept. 16.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic cross valve having self-starting characteristics. 2,611,120, Sept. 16.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Apparatus for utilizing the Hall effect. 2,616,074, Oct. 28.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voltage regulating system. 2,623,205, Dec. 23.
McCreery, Cecil W., Toledo, Ohio, and M. W. Hatfield, Muncie, Ind., assignors to Owen-Illinois Glass Company. Burner block and burner. 2,596,341, May 13.
McCrery, Harold E., Dayton, Ohio, and A. E. Jesser, Alhambra, Calif., assignors to Plyfiber Container Company, Garwood, N. J. Bag bottom structure. 2,599,567, June 10.
McCrery, Harold E., assignor, by mesne assignments, to Master Vibrator Company, Dayton, Ohio., Troweling machine. 2,594,331, Apr. 29.
McCrery, Harold E., deceased, Dayton, Ohio, by The Winters National Bank and Trust Co., and W. Walker Lewis, Jr., executors, assignors to Master Vibrator Company, Dayton, Ohio. Protective tip for concrete vibrators. 2,603,459, July 15.
McCrory, Kenneth W., and A. W. Rollins, assignors to Parker-McCrory Manufacturing Company, Kansas City, Mo. Luggage carrier attachment for automobiles. 2,596,800, May 13.
McCrory, William, Los Angeles, Calif. Ironing board cover. 2,608,774, Sept. 2.
McCrory, Willis E., deceased, Okmulgee, Okla., by R. W. Morgan, executor, Wichita Falls, Tex. Space heater with means to preheat fuel therefor. 2,608,967, Sept. 2.
McCrystle, John, New Brunswick, N. J. Screening of fibrous material. 2,608,910, Sept. 2.
McCue, Cyril F., Kingston, and W. E. J. Broom, Westminster, London, England, assignors to Standard Oil Development Company. Rust preventing composition and preparing same. 2,595,158, Apr. 29.
McCulloch, Albert M., London, England. Rack for plates and other disk-like objects. 2,616,567, Nov. 4.
McCulloch, Donald J.: *See*—
Gay, Fred G., Jr., and McCulloch.
McCulloch, Thomas, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Conveyer and jack for shifting the same. 2,598,815, June 3.
McCullough, Dan C.: *See*—
Hunsaker, Harold J., and McCullough.
McCullough, I. J., assignee: *See*—
Sweetman, William G.
McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.
McCullough, Jack A., Millbrae, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Ultrahigh frequency electron tube. 2,609,517, Sept. 2.
McCullough, James D.: *See*—
Beckman, Arnold O., and McCullough.
McCullough, O. J., assignee: *See*—
Sweetman, William G.
McCullough, Paul J., assignor to Joseph Pavelka, St. Louis, Mo. Pressure chamber liquid control unit. 2,587,747, Mar. 4.
McCullough, Paul J., assignor, by mesne assignments, to The Toastswell Company, Incorporated, St. Louis, Mo. Method and machine for winding electrical resistance units. 2,589,503, Mar. 18.
McCullough, Ray, Fresno, Calif. Bearing assembly for disk harrows. 2,597,942, May 27.
McCullough, Robert W., Stamford, and C. K. Hanyen, Bridgeport, assignors to Deering Milliken Research Trust, Greenwich, Conn. Lubricating metal surface and article resulting therefrom. 2,622,993, Dec. 23.
McCullough Tool Company, assignee: *See*—
Bond, John A., and Wiley.
Toelke, Lester W.
Tow, James O.
McCune, William J., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Photographic element containing a processing liquid. 2,600,004, June 10.
McCune, William J., Jr., South Lincoln, assignor to Polaroid Corporation, Cambridge, Mass. Photographic product. 2,612,452, Sept. 30.
McCurdy, E. D., trustee, assignee: *See*—
Brennan, Joseph B.
McCurdy, Everett D., trustee, assignee: *See*—
Brennan, Joseph B.
McCurdy, Howard, Walnut Park, Calif. Spherical shell fluid separator. 2,588,863, Mar. 11.
McCurdy, John L.: *See*—
Amos, James L., McCurdy, and Hanson
McCurdy, William N., Jr., Elizabeth, and J. V. Whittlesey, Roselle, N. J., assignors to Standard Oil Development Company. Changing baffle pitch in a heat exchanger. 2,581,121, Jan. 1.
McCurrie, Hugh C., Morgan Hill, Calif. Cage-type rattrap. 2,601,622, June 24.
McCutchen, Brunson S. and C. W., Princeton, N. J. Radio navigation system. 2,604,620, July 22.
McCutchen, Charles W.: *See*—
McCutchen, Brunson S. and C. W.
McCutchen, James M.: *See*—
Atkinson, John F., Kelley, and McCutchen.
McCutchen, Joe K., Ellijay, and D. A. Tillman, Cartersville, Ga. Loom having means for severing tuft forming strands. 2,598,579, May 27.
McCutchen, Joseph K., and D. A. Tillman, Ellijay, Ga. Severing machine for looms. 2,598,578, May 27.
McCutcheon, John W., New York, N. Y. Automatically recording the speed and identity of vehicles. 2,619,402, Nov. 25.
McDaniel, Eskel J., and A. R. Summers, St. Louis, Mo. Shoe last. Re. 23,495, May 20.
McDaniel, George R., Cincinnati, assignor to Diamond Alkali Company, Cleveland, Ohio. Making sodium silicate compositions. 2,582,206, Jan. 8.
McDaniel, Leo A., Phillipsburg, Kans. Tie breaker. 2,608,219, Aug. 26.
McDaniel, Lloyd E.: *See*—
Foster, Jackson W., and McDaniel.
McDaniel, Walter O., Jefferson, Wis. Sofa bed. 2,602,169, July 8.
McDaniel, William F., Fort Dodge, Iowa. Awning structure. 2,583,701, Jan. 29.
McDaniel, William R., Englewood, Tenn. Machine for removing metallic elements from flexible strips. 2,612,949, Oct. 7.
McDermott, Charles W.: *See*—
Hausmann, George J., Johnson, and McDermott.

McDermott, Eugene, Dallas, Tex. Geochemical prospecting. 2,590,113, Mar. 25.
McDermott, Eugene P.: *See*—
Halfpap, Paul A., and McDermott.
McDermott, Henry J.: *See*—
Merion, Howard D., and McDermott.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Doffing arrangement for spinning buckets. 2,580,571, Jan. 1.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning box hub. 2,585,148, Feb. 12.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for spinning artificial filaments. 2,586,970, Feb. 26.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinneret supporting bracket. 2,586,971, Feb. 26.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinneret and liquid supply assembly for wet spinning. 2,607,076, Aug. 19.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning apparatus. 2,609,567, Sept. 9.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Device for wrapping hollow packages. 2,615,606, Oct. 28.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning apparatus. 2,617,147, Nov. 11.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for handling yarns. 2,623,240, Dec. 30.
McDermott, John E., and W. E. Gainey, Danville, Ill. Poultry watering device. 2,618,237, Nov. 18.
McDermott, John P.: *See*—
McNab, John G., Hakala, and McDermott.
McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Hydrocarbon oil composition. 2,585,813, Feb. 12.
McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Lubricating oil containing disulfide derivatives of organo-substituted thiophosphoric acids. 2,591,577, Apr. 1.
McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. New phosphorus containing compounds. 2,599,341, June 3.
McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Hydrocarbon thiophosphoric acid salts of thialdine and certain homologues. 2,610,182, Sept. 9.
McDermott, Julian A., Elmhurst, N. Y. Bulb changer. 2,592,165, Apr. 8.
McDermott, Michael C., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Filer. 2,583,516, Jan. 22.
McDevitt, John J., assignee: *See*—
Di Renzo, Vincent P.
McDevitt, John W., Davenport, Iowa. Overload release clutch. 2,621,767, Dec. 16.
McDonald, Angus, assignor to Baldwin Rubber Company, Pontiac, Mich. Fluid operated press construction. 2,608,064, Aug. 26.
McDonald, Bertrand N.: *See*—
Sprague, Theodore S., and McDonald.
McDonald, Bertrand N., Aurora, Ill., assignor to The Babcock & Wilcox Company, New York, N. Y. Aspirating two-way control valve. 2,594,962, Apr. 29.
McDonald, Charles D., Alice, V. M. Williams, Robstown, and W. D. Swilling, Agua Dulce, Tex. Lawn sprinkler. 2,608,438, Aug. 26.
McDonald Company, The, assignee: *See*—
McDonald, John J., and Klyce.
McDonald, Daniel T., Jr., and T. H. King, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separating light hydrocarbon from high-pressure gas. 2,608,270, Aug. 26.
McDonald, Donald, Dayton, and P. W. Frobe, Cincinnati, Ohio. Paper dispenser. 2,608,356, Aug. 26.
McDonald, Dorothy L., assignee: *See*—
McDonald, Herman M.
McDonald, Fletcher M., Portland, Oreg. Aluminum creel. 2,582,875, Jan. 15.
McDonald, George H., Long Beach, Calif. Apparatus for expanding perlite. 2,603,471, July 15.
McDonald, Herman M., assignor to D. L. McDonald, Evanston, Ill. Garment construction. 2,601,046, June 17.
McDonald, Hiram J., Jeffersonville, Ind. Lifting grab for industrial trucks. 2,586,843, Feb. 26.
McDonald, James D., McKean, Pa., assignor to General Electric Company. Brush holder. 2,602,100, July 1.
McDonnell, James L. C., Castro Valley, Calif. Frankfurter toaster. 2,608,928, Sept. 2.
McDonald, John E., Hatboro, Pa., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Helicopter control. 2,604,949, July 29.
McDonald, John H., and J. Novak, assignors, by mesne assignments, to Glenbard Tool Mfrs., Chicago, Ill. Relieving fixture. 2,584,483, Feb. 5.
McDonald, John J., Newton, and S. D. Klyce, Lexington, assignors to The McDonald Company, Boston, Mass. Dishwashing apparatus. 2,597,359, May 20.
McDonald, John W., Grampian, Pa. Piercing valve. 2,608,989, Sept. 2.
McDonald, Louis, Boston, Mass. Detergent composition. 2,588,264, Mar. 4.
McDonald, Louis, Inyokern, Calif. Detergent composition. 2,587,637, Mar. 4.
McDonald, Neil J.: *See*—
Eustis, Irving N., and McDonald.
McDonald, Otis S., Green Cove Springs, Fla. Paddle. 2,590,991, Apr. 1.
McDonald, Richard V., Amarillo, Tex. Paper binder. 2,583,224, Jan. 22.
McDonald, Taylor M., assignor of ten per cent to F. M. Gregory, W. D. Loache, and J. O. Gibson, twelve and one-half per cent to G. A. Horkan, six and one-fourth per cent to F. H. Hood, six and one-fourth per cent to B. H. Winn, and twelve and one-half per cent to C. Brannen, Moultrie, Ga. Dispensing closure. 2,619,266, Nov. 25.
McDonald, Ward A., Pontiac, Mich. Control means for the throttle valves of internal-combustion engines. 2,585,814, Feb. 12.
McDonald, William C., Hartford, Conn., assignor to Emhart Manufacturing Company. Apparatus for gauging thickness. 2,616,068, Oct. 28.
McDonald, William E., Salt Lake City, Utah. Workstand. 2,593,588, Apr. 22.
McDonnell Aircraft Corporation, assignee: *See*—
Burke, Walter F.
McDonnell & Miller, Inc., assignee: *See*—
Kmiecik, Leo J.
Kmiecik, Leopold J.
McDonnell, Randall L., Hattiesburg, Miss. Carburetor system. 2,582,389, Jan. 15.
McDonough, Edward D.: *See*—
Woldman, Henry, and McDonough.
McDonough, Everett G.: *See*—
Evans, Ralph L., and McDonough.
McDonough, Linus J., assignor to Corson Manufacturing Company, Lockport, N. Y. Double-walled carton. 2,620,116, Dec. 2.
McDonough, Owen A.: *See*—
Collier, Fred W., and McDonough.
McDougall, George F., Portland, Oreg. Air cleaner. 2,586,243, Feb. 19.
McDougal, Taine G., and E. W. Pierce, Flint, assignors to General Motors Corporation, Detroit, Mich. Spark plug cleaner. 2,603,045, July 15.
McDowall, Charles J.: *See*—
Hazen, Ronald M., and McDowall.
McDowell, Esther K., Minneapolis, Minn., assignor to E. K. Leggate, New Galilee, Pa. Surgical garment. 2,584,279, Feb. 5.
McDowell, John S. T., assignee: *See*—
Lucas, Joseph E.
McDowell, Thomas E.: *See*—
Heehler, Arthur C., and McDowell.
McDowell, Thomas E., assignors to The Pyle-National Company, Chicago, Ill. Distribution unit for ventilating systems. 2,585,666, Feb. 12.
McDowell, Thomas E., assignor to The Pyle-National Company, Chicago, Ill. Warning light. 2,607,838, Aug. 19.
McDowell, Walter R., Western Springs, Ill., assignor to Hotpoint Inc. Heating circuit control for electric appliances. 2,591,849, Apr. 8.
McDowell, William J., South Gate, Calif., assignor to Benj. C. Betner Company, Devon, Pa. Siftproof automatic bag and making. 2,622,786, Dec. 23.
McDuffie, Archie D.: *See*—
Fischer, Albert W., and McDuffie.
McEachran, Paul R., Downey, assignor of fifty per cent to H. R. Pauley, Los Angeles, Calif. Apparatus for reconditioning road-surfacing materials. 2,619,013, Nov. 25.
McEachran, Paul R., assignor to Olympic Manufacturing Corporation, Los Angeles, Calif. Material conditioning apparatus. 2,623,737, Dec. 30.
McElhinney, Eric M., Dysart, and T. A. Podhajsky, Traer, Iowa. Loader machine. Re. 23,466, Mar. 4.
McElhinney, Eric M., Dysart, and T. A. Podhajsky, Traer, Iowa. Sharp turn steering apparatus for vehicles. 2,609,216, Sept. 2.
McElhinney, Thomas R., and T. D. Woodruff, Lockport, assignors to Vallite Corporation, New Orleans, La. Composition of matter for making molded phonograph records. 2,592,051, Apr. 8.
McElrath, Thomas, Jr., Chatham, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Gas blanketed metal arc welding. 2,606,267, Aug. 5.
McElroy, Archie K., Springfield, and L. C. McNutt, Scotch Plains, N. J. Detecting faults in the welds while being made. 2,587,056, Feb. 26.
McElroy, Clifford T., Temple City, and J. G. Davidson, Pasadena, assignors to Davidson Plywood and Lumber Co., Los Angeles, Calif. Machine for treating wood surfaces. 2,617,223, Nov. 11.
McElroy, Roy H., assignor to International Clay Machinery Co., Dayton, Ohio. Method and apparatus for working clay. 2,605,531, Aug. 5.

McEnroe, William J., Jr., Albany, assignor of fifty per cent to A. Jarmann, Jr., Schodack Landing, and ten per cent to T. Fogerite, Schuylerville, N. Y. Slidable side jaw wrench. 2,596,266, May 13.
McEntire Brothers, Incorporated, assignee: *See*— McEntire, George P.
McEntire, George P., assignor to McEntire Brothers, Incorporated, Topeka, Kans. Folding seat and back rest. 2,620,860, Dec. 9.
McEvoy, James E., Cleveland, Ohio, assignor to Bailey Meter Company. Pump mechanism. 2,607,525, Aug. 19.
McEwan, Archibald J., U. S. N. Test means for aircraft gyro-controlled altitude indicator. 2,603,696. July 15.
McEwan, James, San Jose, Calif. Saw holder. 2,580,812, Jan. 1.
McEwan, James, San Jose, Calif. Variable-speed drive. 2,581,683, Jan. 8.
McEwan, James, San Jose, Calif. Saw sharpener. 2,590,992, Apr. 1.
McEwan, James, San Jose, Calif. Saw sharpener. 2,607,243, Aug. 19.
McEwan, James J., assignor to The Batesville Casket Company, Batesville, Ind. Casket construction. 2,582,841, Jan. 15.
McEwan, James J., assignor to The Batesville Casket Company, Batesville, Ind. Casket construction. 2,587,355, Feb. 26.
McEwen, Robert L., Williamsville, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Sizing and bleaching a wet web. 2,613,579, Oct. 14.
McEwen, Robert L., Williamsville, and F. R. Sheldon, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching or brightening a web of mixed fibers. 2,598,580, May 27.
McFadden, George H.: *See*— Boyd, Robert E., McFadden, and Bennett. Marvin, John T., and McFadden.
McFadden, Harry M., assignor to Boeing Airplane Company, Wichita, Kans. Hydraulically controlled adjustable back rest for seats and chairs. 2,581,197, Jan. 1.
McFadden, William E., Flin Flon, assignor to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Apparatus for regulating the flow of thixotropic colloids and the like. 2,587,188, Feb. 26.
McFall, Bruce, Johnson City, Tenn. Bicycle lock. 2,604,774, July. 29.
McFall, Dana F.: *See*— Plaucon, George H., Baker, and McFall.
McFarland, Arley, Augusta, W. H. Reetz, Wichita, and W. E. Burbank, El Dorado, Kans. Walking support. 2,594,051, Apr. 22.
McFarland, Arthur E., assignor to McFarland Manufacturing Corporation, Houston, Tex. Pump and motor therefor. 2,594,577, Apr. 29.
McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Blasting. 2,609,750, Sept. 9.
McFarland, Donald L., Stratford, Conn., assignor to General Electric Company. Electric heater. 2,612,591, Sept. 30.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,584,965, Feb. 5.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,595,969, May 6.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,620,684, Dec. 9.
McFarland, Forest R., Huntington Woods, H. L. Misch, Ferndale, and J. E. Foley, assignors to Packard Motor Car Company, Detroit, Mich. Fluid control device. 2,588,140, Mar. 4.
McFarland, Howard L., assignor to C. K. Farr and J. W. Turek, Beaumont, Tex. Artificial bait. 2,587,189, Feb. 26.
McFarland, James L., Schenectady, and N. B. Jones, Ballston Lake, N. Y., assignors to General Electric Company. Continuous type furnace. 2,588,141, Mar. 4.
McFarland, Jesse R., and G. A. Long, Sunnyside, Utah. Mine timber setting machine. 2,603,373, July 15.
McFarland Manufacturing Corporation, assignee: *See*— McFarland, Arthur E.
McFarland, Robert J., White Bear Lake, Minn. Fish lure. 2,608,790, Sept. 2.
McFarland, Rolland, Jr., assignor to Hills-McCanna Company, Chicago, Ill. Valve diaphragm. 2,615,471, Oct. 28.
McFarlane, John, Bangor, Northern Ireland. Mechanism for automatically positioning a member in a series of predetermined positions. 2,581,548, Jan. 8.
McFarlane, John A., Bellflower, Calif. Suspension mechanism for overhead swinging doors. 2,602,955, July 15.
McFarlane, Samuel B.: *See*— Dolmetsch, Carl R., and McFarlane.
McFarlane, Samuel B., Jr., and A. L. Miller, Summit, N. J., assignors to Celanese Corporation of America. Reacting azelaic dihydrazide with oxalic acid. 2,615,862. Oct. 28.
McFee, William, Pittsburgh, Pa. Hedge trimmer. 2,618,059, Nov. 18.
McFerran, Joe W., Detroit, Mich. Multiple station game board. 2,589,839, Mar. 18.
McFerren, Edgard L., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Control mechanism for machine tools. 2,607,234, Aug. 19.
McFerron, Alfred V., Rocky River, and H. D. Myers, Cleveland Heights, assignors to McFerron-Myers Products Company, Rocky River, Ohio. Three-way clamping fixture. 2,594,052, Apr. 22.
McFerron-Myers Products Company, assignee: *See*— McFerron, Alfred V., and Myers.
McGaffey-Taylor Corporation, assignee: *See*— Taylor, Claude C.
McGaffin, Ralph C., Plainfield, N. J., and A. G. Battaglia, assignors to National Starch Products Inc., New York, N. Y. Thermoplastic adhesive compositions. 2,613,156, Oct. 7.
McGaffin, Ralph C., Plainfield, N. J., and A. G. Battaglia, assignors to National Starch Products Inc., New York, N. Y. Thermoplastic adhesives. 2,613,191, Oct. 7.
McGah, William J., trustee, assignee: *See*— Erwood, Joseph. Erwood, Joseph and John.
McGan, Herman L., Uniontown, assignor of one-half to E. C. Walker, Henderson, Ky. Double-decked stock truck cooling and ventilating system. 2,612,027, Sept. 30.
McGanty, Alma L., Houston, Tex. Foldable tent. 2,623,532, Dec. 30.
McGarigal, John J., Batavia, assignor to Doehler-Jarvis Corporation, New York, N. Y. Die casting apparatus. 2,612,666, Oct. 7.
McGarry, James A.: *See*— Engel, Edward W., Giolito, McGarry, Morris, and Weidner.
McGarry, James W., Cincinnati, Ohio. Safety lock for railway switches. 2,610,291, Sept. 9.
McGarry, James W., and H. A. Eads, assignors to Railroad Products Company, Cincinnati, Ohio. Water service device. 2,598,708, June 3.
McGarry, Leo J., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Boot and the like. 2,585,260, Feb. 12.
McGary, Charles E.: *See*— McGary, Francis L., and C. E.
McGary, Francis L., and C. E., Hardinsburg, Ky. Cable cutting device. 2,602,994, July 15.
McGary, Francis L., and C. E. McGary, Hardinsburg, Ky. Shear. 2,604,695, July 29.
McGarvey, Robert W., Detroit, assignor to V. A. Wicks and F. J. Dupure, Dearborn, Mich. Rheostatic switch. 2,596,420, May 13.
McGaugh, Calvin C., Dallas, Tex. Reflecting signal glove. 2,581,549, Jan. 8.
McGaughey, James H., Wesleyville, Pa. Combined slidable jaw wire cutting and holding tool. 2,615,181, Oct. 28.
McGauley, Patrick J., Glen Cove, assignor to Chemical Construction Corporation, New York, N. Y. Isolation of nickel sulfide. 2,588,265, Mar. 4.
McGee, Gerald W.: *See*— Raymond, Roger S., and McGee.
McGee, Howard H., Olathe, Kans. Coin counter. 2,621,665, Dec. 16.
McGee, James D.: *See*— Lubasnyski, Hans G., McGee, Turk and Cassman.
McGee, James D., London, and W. E. Turk, assignors to Electric & Musical Industries Limited, Hayes, England. Deposition of material onto a mosaic screen through a stencil. 2,600,121, June 10.
McGee, Leland T., Los Angeles, Calif. Making hydraulic cylinders with plungers. 2,613,431, Oct. 14.
McGee, Robert V. J.: *See*— Corner, Eugene S., McGee, and Lynch.
McGehee, Charles L., Los Angeles, Calif. Wax paper dispenser. 2,614,015, Oct. 14.
McGehee Company, assignee: *See*— McGehee, Wallace L.
McGehee, Wallace L., Kansas City, Mo. Dehydrator. 2,617,529, Nov. 11.
McGehee, Wallace L., assignor to McGehee Company, Kansas City, Mo. Separating assembly for dehydrating plants. 2,617,530, Nov. 11.
McGerry, James J., and J. P. McGerry, Grand Rapids, Mich. Combined sunshade and wind guard. 2,619,101, Nov. 25.
McGerry, James P.: *See*— McGerry, James J., and J. P.
McGhan, Elmer W., and H. S. Ungerleider, Salt Lake City, Utah. Ticket severing device. 2,613,742, Oct. 14.
McGhee, Charles R., Gastonia, assignor to Southern Spindle & Flyer Co., Inc., Charlotte, N. C. Mounting for drawing rolls. 2,592,718, Apr. 15.
McGibbon, Reginald H.: *See*— Skillman, Thomas S., Owen, and McGibbon.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Company, San Francisco, Calif. Filling machine with rotary valve. 2,601,542, June 24.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Co., San Francisco, Calif. Hoist. 2,614,802. Oct. 21.
McGill, Daniel F., assignor to D. W. Green, Portland, Oreg., trustee. Power transmission system. 2,585,149, Feb. 12.

McGill, Daniel F., Portland, Oreg. Ladder step. 2,585,150, Feb. 12.
McGill, Daniel F., assignor to Donald W. Green, trustee, Portland, Oreg. Rotary hydraulic torque converter. 2,610,468, Sept. 16.
McGill, Dennis M., Lancaster, Pa., assignor of twenty-five per cent to H. Christi, Cocoli, C. Z. Making luminous signs. 2,595,970, May 6.
McGill Manufacturing Company, Inc., assignee: *See*— Popp, Rudolf.
McGill, William, Trenton, N. J. Pocket cigarette lighter. 2,621,502, Dec. 16.
McGinn, James B., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Steel shipping package for section beams. 2,593,472, Apr. 22.
McGinnis, David M., Los Angeles, Calif. Electric water heater. 2,623,153, Dec. 23.
McGinnis, Robert F., Cedar Rapids, Iowa. Carton. 2,593,778, Apr. 22.
McGinty, Daniel A., Grosse Pointe, assignor to Parke, Davis & Company, Detroit, Mich. Therapeutic compositions. 2,589,210, Mar. 18.
McGlynn Hays Industries, Inc., assignee: *See*— Norcross, Gilbert F.
McGoldrick, William J., Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,597,789, May 20.
McGory, Maurice J., Sandusky, Ohio. Foot fastening device for garments. 2,605,472, Aug. 5.
McGovern, Bernard J., Chicago, and S. P. Skoll, Elmwood Park, assignors to Mojonnier Bros. Co., Chicago, Ill. Evaporator structure in refrigerating apparatus. 2,617,264, Nov. 11.
McGovney, James E., Cranford, N. J., assignor to Standard Oil Development Company. Slide valve. 2,596,817, May 13.
McGowan, Douglas C.: *See*— Elwell, William E., and McGowan.
McGowan, Kenneth J. J.: *See*— Bone, Herbert L., and McGowan.
McGowan, Kenneth J. J., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Locking apparatus. 2,585,151, Feb. 12.
McGowan, John F., administrator: *See*— Buckey, Jefferson P.
McGowan, Kenneth J. J.: *See*— Bone, Herbert L., McGowan, and Dodd.
McGowan, Michael E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for cutting off lengths of tubing. 2,603,038, July 15.
McGowan, Roger G., Youngstown, Ohio. Wheel truck or dolly. 2,592,307, Apr. 8.
McGown, Floyd, assignee: *See*— Kelley, James B., Jr.
McGown, Floyd, Jr., assignee: *See*— Kelley, James B., Jr.
McGrath, Charles H., New York, and R. L. Webster, Elmhurst, N. Y. Knockdown box and crate. 2,593,779, Apr. 22.
McGrath, Henry G.: *See*— Burton, William P., McGrath, and Rubin. Rubin, Louis C., and McGrath. Rubin, Louis C., Riblett, and McGrath.
McGrath, Henry G., Elizabeth, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,596,160, May 13.
McGrath, Henry G., Elizabeth, assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrogenation of carbon monoxide with promoted iron catalyst. 2,598,647, May 27.
McGrath, Lewis J., Newtonville, Mass. Refrigerated display tank. 2,594,474, Apr. 29.
McGrath, Richard J., Virginia Beach, assignor to Atlantic and Gulf Stevedores, Inc., Norfolk, Va. Dust collector for cargo loading and trimming device. 2,584,037, Jan. 29.
McGrath, William L., assignor to Carrier Corporation, Syracuse, N. Y. Capacity control for air conditioning systems. 2,614,394, Oct. 21.
McGrath, William L.: *See*— Ashley, Carlyle M., and McGrath.
McGraw Colorgraph Company, assignee: *See*— Alexewicz, Werner C., Plotin, and McGraw.
McGraw Electric Company, assignee: *See*— Coe, William G. Gomersall, John R. Gomersall, John R., and Ireland. Gustafson, David A. Ireland, Murray. Kyle, William D., Jr., and Schindler. Olving, Bror G. Petersen, Clifford W. Riordan, George L. Schultz, William O. Sefton, Robert C., and Zimsky. Steinmayer, Alwin G. Stoelting, Herman O., and Wood. Van Ryan, Anthony. Van Ryan, Anthony, and Harry. Von Liedtke, Rudolph H. Weinfurt, William J.
McGraw, Leslie D., C. L. Faust, and E. R. Mueller, Columbus, assignors, by mesne assignments, to Ohio Plate Glass Company, Toledo, Ohio. Composite backing for mirrors. 2,595,800, May 6.
McGraw, Leslie D., C. L. Faust, and E. R. Mueller, Columbus, assignors, by mesne assignments, to Ohio Plate Glass Company, Toledo, Ohio. Organic backing. 2,595,867, May 6.
McGraw, Richard F.: *See*— Alexewicz, Werner G., Plotin, and McGraw.
McGraw, Roy E., Hoquiam, and J. F. Warden, Montesano, Wash. Typist's copyholder. 2,606,528, Aug. 12.
McGreal, Martin E.: *See*— Niederl, Joseph B., and McGreal. Niederl, Joseph B., V., and McGreal.
McGrew, Edward N., Fort Smith, Ark. Insect trap. 2,606,391, Aug. 12.
McGrew, Frank C., Wilmington, Del., and P. S. Pinkney, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetylene-vinyl carboxylate copolymers. 2,617,789, Nov. 11.
McGrew, Robert R.: *See*— Ryan, George R., and McGrew.
McGrew, William A., Denver, Colo. Coaster. 2,601,312, June 24.
McGuckin, Warren F., and E. C. Kendall, Rochester, Minn., assignors to Research Corporation, New York, N. Y. Introduction of a double bond in ketosteroids. 2,590,993, Apr. 1.
McGuigan, William D., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Remote direction finder system. 2,592,719, Apr. 15.
McGuinness, Walter L., Waltham, Mass. Antiskid device for automobile tires and the like. 2,597,160, May 20.
McGuinness, Walter L., Waltham, Mass. Emergency tire chain. 2,607,391, Aug. 19.
McGuire, F. Willis, trustee, assignee: *See*— Huber, Elmer J.
McGuire, John P., North Tarrytown, H. J. Reed, Jr., and G. R. Paine, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Frequency discriminatory amplifier. 2,622,157, Dec. 16.
McGuire, Leonard, Sioux City, Iowa. Handle fastener for brushes and the like. 2,611,658, Sept. 23.
McGuire, Le Roy A., Leonardo, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Pilot burner and flame retaining means. 2,591,458, Apr. 1.
McGuire, Wayne, Berkeley, Calif. Smoking accessory. 2,582,598, Jan. 15.
McGuire, Winston B., assignor to P. O. M. Company, New York, N. Y. Installation for collecting and handling fibrous waste material. 2,612,278, Sept. 30.
McHale, Clifford B., and E. H. Janssen, Torrington, Wyo., said Janssen assignor to said McHale. Packaging machine. 2,585,335, Feb. 12.
McHale, Clifford B., Morrill, Nebr., and E. H. Janssen, Torrington, Wyo.; said Janssen, assignor to said McHale. Bag holding and packaging machine. 2,619,271, Nov. 25.
McHale, Michael J., Scranton, Pa. Flier construction. 2,588,266, Mar. 4.
McIlhinney, Evelyn, Ottawa, Ontario, Canada. Brassière. 2,581,036, Jan. 1.
McIlhinney, Evelyn, Ottawa, Ontario, Canada. Bathing suit. 2,583,865, Jan. 29.
McIlvaine, Douglas K.: *See*— Griffith, Leonard F., and McIlvaine.
McIlvaine, Robert L., Glencoe, assignor, by mesne assignments, to H. S. Simpson, trustee, Evanston, Ill. Sand cooling device. 2,593,327, Apr. 15.
McIlvaine, Robert L., Glencoe, assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Variable unit pressure muller. 2,610,802, Sept. 16.
McIlvried, Edwin J., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Mechanism for drawing wire. 2,609,087, Sept. 2.
McIlvried, Edwin J., Stow, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire drawing mechanism. 2,609,088, Sept. 2.
McIlwraith, John W., New Castle, Pa. Leg support for vehicle drivers. 2,585,398, Feb. 12.
McIntire, Otis R.: *See*— Costa, John E., and McIntire.
McIntosh, A. Vern, Jr.: *See*— Levin, Robert H., and McIntosh. Levin, Robert H., McIntosh, and Spero. Marlatt, Paul E., Hanze, McIntosh, and Levin.
McIntosh, George R., Oakland, Calif. Reciprocating blade for carry-type scraper. 2,619,748, Dec. 2.
McIntosh, Harold J., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Sprayer. 2,584,484, Feb. 5.
McIntosh, Harold J., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Dump rake. 2,593,780, Apr. 22.
McIntosh, Harris, assignor to Toledo Scale Company, Toledo, Ohio. Steak machine. 2,607,952, Aug. 26.
McIntosh, Maurice D., Cleveland Heights, assignor to L. S. Sanders, Shaker Heights, Ohio. Medium for use in making camera copy and preparing the same. 2,601,161, June 17.
McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat construction. 2,606,592, Aug. 12.

McIntyre, Brouwer D. and W. D., assignors to Monroe Auto Equipment Company, Monroe, Mich. Dumping box and supporting structure therefor with means for receiving contents of said box. 2,596,908, May 13.
McIntyre, Donald B., assignee: *See*— McIntyre, Frederic
McIntyre, Elmer L., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Flexible sprocket hub. 2,622,419, Dec. 23.
McIntyre, Frederic, Newton, assignor to D. B. McIntyre, Wellesley, Mass. Apparatus for imposing pressure on liquid. 2,621,608, Dec. 16.
McIntyre, Glenn H.: *See*— Skinner, Robert E., and McIntyre.
McIntyre, Glenn H., Cleveland Heights, and M. G. Ammon, Cleveland, Ohio. Producing a corrosion resistant coating on steel. Re. 23,540, Aug. 26.
McIntyre, Grace H. and M., Riverside, Conn. Wheeled suitcase. 2,596,578, May 13.
McIntyre, Jean F.: *See*— Pleydell, Albert, R., and McIntyre.
McIntyre, John, Portobello, Scotland. Machine for grinding or refining paint, cellulose, chocolate, and other substances 2,604,270, July 22.
McIntyre, John, Portobello, Midlothian, Scotland. Machine for grinding or refining paint, cellulose, chocolate, and similar substances. 2,613,037, Oct. 7.
McIntyre, John C., Ticonderoga, N. Y. Cording attachment for sewing machines. 2,593,589, Apr. 22.
McIntyre, Malcolm: *See*— McIntyre, Grace H. and M.
McIntyre, Marjorie E., Valdosta, Ga. Hair cutting and curling device. 2,611,376, Sept. 23.
McIntyre, Sidney S., Sedro Woolley, Wash. Power transmission mechanism. 2,600,065, June 10.
McIntyre, Sidney S., Sedro Woolley, Wash. Open side cable carriage. 2,600,066, June 10.
McIntyre, William D.: *See*— McIntyre, Brouwer D. and W. D.
McIntyre, William D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Pallet. 2,602,619, July 8.
McIver, Robert F.: *See*— Hay, John M., and McIver.
McKay, Arthur F., Kingston, Ontario, and G. A. Grant, assignors to Ayerst, McKenna & Harrison, Limited, Montreal, Quebec, Canada. Preparation of Δ^2-1,3-diazacycloalkenes. 2,586,844, Feb. 26.
McKay, Augusta P., assignor to Rome Plow Company, Cedartown, Ga. Tractor borne disk harrow. 2,596,579, May 13.
McKay Company, The, assignee: *See*— Albertson, Lawrence E. Gise, Frank G.
McKay, Dwight L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractional crystallizer. 2,613,136, Oct. 7.
McKay, George C., Battle Creek, Mich. Gun sight. 2,607,993, Aug. 26.
McKay, George F., Brownwood, Tex. Lawn trimmer. 2,612,741, Oct. 7.
McKay, H. V., Massey Harris Proprietary Limited, assignee: *See*— Connor, Thomas J. B.
McKay, Harry M., Winfield, Kans. Window construction. 2,595,595, May 6.
McKay, Herbert C., assignor to Warren Dunham Foster, Eustis, Fla., and himself as trustees. Automatic thermal metal-joining tool. 2,605,379, July 29.
McKay, James A., Westmount, Quebec, Canada. Control gate. 2,601,410, June 24.
McKay, James B., Balmertown, Ontario, Canada, and J. V. Thompson, Denver, Colo., assignors to The Dorr Company, Stamford, Conn. Treating arsenical gold ores. 2,596,580, May 13.
McKay, James G., Chicago, Ill. Printing mechanism synchronizer. 2,595,279, May 6.
McKay, James G., Chicago, Ill. Printing wheel. 2,607,293, Aug. 19.
McKay, James G., Chicago, Ill. Code printing attachment for tape dispensing machines. 2,613,598, Oct. 14.
McKay, John F., Jr.: *See*— Yowell, Howard L., McKay, and Jasion.
McKay, John F., Jr., Cranford, H. L. Yowell, Westfield, and L. Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company. Herbicidal compositions containing still bottoms from alcohol synthesis by the "Oxo" process. 2,586,681, Feb. 19.
McKay, Joseph, Port Vue, Pa. Braking apparatus for roller conveyers. 2,590,904, Apr. 1.
McKay Machine Company, The, assignee: *See*— Honen, Carl J. Shenk, William E. Todd, Russell T.
McKay, Neil, Moncton, New Brunswick, Canada. Plaster cast cutting shears. 2,602,224, July 8.
McKay, Neil, Moncton, New Brunswick, Canada. Fountain pen. 2,603,188, July 15.
McKay, William R., Compton, and R. H. Mitchell, Huntington Park, Calif., assignors to John Deere Killefer Company. Offset disk harrow. 2,597,121, May 20.
McKeag, Alfred H., North Wembley, England, assignor to General Electric Company. Manganese activated zinc lithium silicate phosphor. 2,615,850, Oct. 28.
McKeag, Alfred H., and P. W. Ranby, North Wembly, England, assignors to General Electric Company. Zinc sulfide type phosphors. 2,597,660, May 20.
McKechnie, Ian C., Detroit, assignor to Elox Corporation of Michigan, Clawson, Mich. Automatic electric space-discharge material removal method and apparatus. 2,588,744, Mar. 11.
McKechnie, Ian C., assignor to Primeweld Corporation, Detroit, Mich. Electric coil. 2,592,817, Apr. 15.
McKee, Albert E., Chicago, Ill. Oxygen administration. 2,593,046, Apr. 15.
McKee, Arthur G., & Co., assignee: *See*— Baier, John F.
McKee, Chester W. and R. W., Chicago, Ill., assignors, by mesne assignments, to Teledetector, Inc. Multiple coil pickup. 2,594,332, Apr. 29.
McKee, Chester W. and R. W., Chicago, Ill., assignors, by mesne assignments, to Teledetector, Inc. Electromagnet for rail fissure detectors. 2,602,840, July 8.
McKee, Chester W. and R. W., Chicago, Illl., assignors, by mesne assignments, to Teledetector, Inc. Portable rail flaw detector. 2,622,131, Dec. 16.
McKee Door Company, assignee: *See*— Matchett, Mahlon M. McKee, James H. McKee, John F., and Hartzler.
McKee, Edward S., assignor to Eastman Kodak Company, Rochester, N. Y. Footage indicator for motion-picture apparatus. 2,614,752, Oct. 21.
McKee, Harry G., assignor of ten per cent to N. C. Schneider, Syracuse, N. Y. Fish lure releaser. 2,586,073, Feb. 19.
McKee, Hilton J.: *See*— Burge, James S., McKee, Rider, Conrad, and Foust. Foust, Floyd J., Shaw, McKee, Rider, and Burge.
McKee, James H., assignor to McKee Door Company, Aurora, Ill. Counterbalancing means. 2,607,410, Aug. 19.
McKee, John F., Ardmore, assignor to Yarnall-Waring Company, Philadelphia, Pa. Steam trap. 2,622,886, Dec. 23.
McKee, John F., Aurora, and M. E. Hartzler, Downers Grove, assignors to McKee Door Company, Aurora, Ill. Airplane hangar door. 2,610,366, Sept. 16.
McKee, Max B., and A. R. Bohn, Detroit, Mich.; said Bohn assignor to said McKee. Freight handling apparatus. 2,619,917, Dec. 2.
McKee, Percil C., Downers Grove, Ill. Inside gauge. 2,584,602, Feb. 5.
McKee, Raymond E.: *See*— Harris, McLean H., and McKee.
McKee, Richard W.: *See*— McKee, Chester W. and R. W.
McKeever, Charles H., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Oxidation of acetals to acids. 2,583,112, Jan. 22.
McKeever, Charles H., Glenside, assignor, to Rohm & Haas Company, Philadelphia, Pa. Nonadecyl glycols. 2,599,468, June 3.
McKeever, Charles H., Glenside, and J. W. Nemec, assignors to Rohm & Haas Company, Philadelphia, Pa. Bis-1,4-dialkylamino-1,3-butadienes. 2,617,827, Nov. 11.
McKeever, Eloy C., assignor of one-half to F. A. Dapoloniа, Des Moines, Iowa. Lineal measuring device for elongated objects. 2,582,644, Jan. 15.
McKellar, Malcolm, Toronto, Ontario, Canada. Applying a bottom margin indicating mark to a paper sheet in a typewriting machine. 2,595,801, May 6.
McKellar, Robert: *See*— Bauman, William C., and McKellar.
McKellin, Wilbur H., and F. G. Bordwell, Evanston, Ill., assignors to The Texas Company, New York, N. Y. 3-substituted derivatives of 2,3-dihydrothianaphthene-1-dioxide. 2,610,183, Sept. 9.
McKelvey, James K., Massillon, Ohio. Fishing line oiling, greasing, and drying reel. 2,613,048, Oct. 7.
McKelvy, Neville C.: *See*— Weyandt, Carl S., and McKelvy.
McKendrick, James H., Los Angeles, Calif. Reservoir handle for floor wax applicators. 2,595,687, May 6.
McKendry, John K.: *See*— Garman, Raymond L., and McKendry.
McKendry, John K., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio pulse transmitter with rotating antenna. 2,594,965, Apr. 29.
McKendry, John K., and R. L. Garman, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Motor generator circuit. 2,610,315, Sept. 9.
McKenna, Denis, Belmont, Mass. Device for applying tire chains. 2,619,857, Dec. 2.
McKenna, George W.: *See*— Breisch, Edgar W., and McKenna.
McKenna, John C., Jr., Madison, Wis. Planting. 2,592,052, Apr. 8.
McKenna, John S.: *See*— Morgan, Charles K., Meddick, and McKenna.
McKenna, Philip M., Greensburg, and W. L. Kennicott, assignors to Kennametal Inc., Latrobe, Pa. Cutting tool. 2,598,581, May 27.
McKenna, William F., Ogdensburg, N. Y. Tidal drainage and irrigating unit. 2,602,448, July 8.

McKenna, William L.: *See*— Hale, Clifford E., and McKenna.
McKenney, Henry F., Flushing, and G. A. Lieske, Brooklyn, N. Y., assignors to The Sperry Corporation. Register control system. 2,609,197, Sept. 2.
McKenney, James F.: *See*— Minneci, Salvatore, McKenney and De Noyera.
McKenzie, Clarence V., Courtenay, British Columbia, Canada. Rapidly adjustable press. 2,588,745, Mar. 11.
McKenzie, Dennis I., assignor to Moraine Box Company, Dayton, Ohio. Container. 2,609,135, Sept. 2.
McKenzie, Herbert W., Temple City, assignor to Western Sales Agency Corporation, Arcadia, Calif. Desiccator. 2,581,684, Jan. 8.
McKenzie, James G., Houston, Tex. Elevator apparatus. 2,609,112, Sept. 2.
McKenzie, Joseph A., Rapid City, S. Dak. Remote controlled shooting gallery. 2,598,008, May 27.
McKenzie, Neville P., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Valve mechanism operated by a plurality of thermostats. 2,586,972, Feb. 26.
McKernan, John G., Kansas City, Mo. Cable testing device. 2,618,153, Nov. 18.
McKewen, George E., Baltimore, Md. Child's chair protector with bib feature. 2,594,053, Apr. 22.
McKibbin, George N., Baton Rouge, La. Panel-type heater. 2,598,279, May 27.
McKim, Walter E., White Rock, British Columbia, Canada. Rodent trap. 2,608,021, Aug. 26.
McKiney, James F.: *See*— Gusey, William, Jr., Curlett, and McKiney.
McKinley, Boyd R., Long Beach, Calif. Formation tester and pipe perforator. 2,588,746, Mar. 11.
McKinley, Boyd R., Long Beach, Calif. Formation tester and pipe perforator with control means therefor. 2,601,122, June 17.
McKinley, Joseph B., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Destructive hydrogenation of hydrocarbon oils with molybdenum oxide catalyst. 2,585,337, Feb. 12.
McKinley, Joseph B., and W. C. Starnes, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Destructive hydrogenation. 2,602,773, July 8.
McKinley, Orman O., Indianapolis, Ind. Awning or jalousie. 2,582,448, Jan. 15.
McKinney, Dwight D., Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Gas disengaging combination for catalytic contacting apparatus. 2,599,568, June 10.
McKinney, Guy E., and P. J. Motter, Canton, Ohio. Treating ferrous metals with aluminum. 2,609,289, Sept. 2.
McKinney, James F., Aurora, Ill. Spring mounted vehicle seat. 2,597,252, May 20.
McKinney, James R., Cleveland, Ohio. Clothes hanger. 2,594,966, Apr. 29.
McKinney, John F., Jr.: *See*— Say, Theodore, and McKinney.
McKinney, Leon L. and L. H., Hartford, Conn. Reclining self-adjusting chair. 2,611,419, Sept. 23.
McKinney, Leonard L.: *See*— Cowan, John C., Evans, and McKinney.
McKinney, Leonard L., E. H. Uhing, E. A. Setzkorn, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. N,2-carboalkoxyethyl derivatives of alpha-amino acids and of acylated alpha-amino acids. 2,607,797, Aug. 19.
McKinney, Leonard L., and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Skin cleaning composition. 2,610,153, Sept. 9.
McKinney, Lucius H.: *See*— McKinney, Leon L. and L. H.
McKinney, William M., Manteca, Calif. Leg assembly and connecting means for table tops. 2,589,719, Mar. 18.
McKinnie, Roxton C., Santa Monica, Calif. Adjustable worktable. 2,596,267, May 13.
McKinnis, Art C.: *See*— Bills, John L., and McKinnis.
McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Flame synthesis of hydrogen cyanide. 2,596,421, May 13.
McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Manufacture of hydrogen cyanide. 2,620,259, Dec. 2.
McKinnon, Bain L., Seattle, Wash. Nebulizer for administering medicaments. 2,586,845, Feb. 26.
McKinstry, Alston R., assignor to Knt-Kwick Tool Corporation, Brunswick, Ga. Portable power saw for cutting timber or the like. 2,597,017, May 20.
McKissick Products, assignee: *See*— McKissick, William H., and Fate.
McKissick, William H., and J. E. Fate, Jr., assignors to McKissick Products, Tulsa, Okla. Retaining means for idler units. 2,622,946, Dec. 23.
McKnight, John R., Jr., United States Navy, San Diego, Calif. Electrically operated liquid level indicator. 2,593,473, Apr. 22.
McKnight, Joseph H., Pittsburgh, Pa., assignor to Star Electronics, Inc. Push-pull resistance type phonograph pickup. 2,590,439, Mar. 25.
McKone, Archie, Vancouver, British Columbia, Canada. Preloader. 2,591,180, Apr. 1.
McKowen, William, Des Moines, Iowa. Loose-leaf binder. 2,607,350, Aug. 19.
McKown, Sherman, Pampa, Tex. Scraping and wiping tool. 2,586,472, Feb. 19.
McKusick, Blaine C.: *See*— Bartlett, Paul D., and McKusick.
McLachlan, Dan, Jr., Salt Lake City, Utah, and E. F. Champaygne, Stamford, Conn.; said Champaygne assignor, by mesne assignments, to said McLachlan. X-ray microscope. 2,617,942, Nov. 11.
McLain, Harold O., Highland Park, Ill. Icing machine. 2,587,872, Mar. 4.
McLain, Harold O., Highland Park, and A. L. Blatti, deceased, Chicago, Ill.; R. C. Blatti, executrix, assignor to said McLain. Icing machine. 2,602,303, July 8.
McLain, Harold O., Highland Park, and A. L. Blatti, deceased, Chicago, Ill.; R. C. Blatti, executrix of said A. L. Blatti, assignor to said McLain. Portable platform for refrigerator cars. 2,621,084, Dec. 9.
McLamore, William M.: *See*— Whitehill, Lynwood N., and McLamore.
McLane, Philip W., Roscoe, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Variable ratio booster. 2,620,772, Dec. 9.
McLarty, Gordon, Battle Creek, Mich. Apparatus for modifying thermostat operation. 2,599,569, June 10.
McLauchlan, Arthur B., Salem, Oreg. Berry cleaner. 2,591,086, Apr. 1.
McLauchlan, Arthur B., Salem, Oreg. Vegetable and fruit washer. 2,601,411, June 24.
McLaughlin, Bernard A., San Francisco, Calif. Portable accessory case. 2,609,073, Sept. 2.
McLaughlin, Daniel J., Cleveland, Ohio, assignor to Swift & Company, Chicago, Ill. Casing stick holder. 2,616,572, Nov. 4.
McLaughlin, Donald: *See*— Rogers, Arthur P., and McLaughlin.
McLaughlin, Edward F., Philadelphia, Pa. Safety shoe. 2,601,162, June 17.
McLaughlin, Edward F., Philadelphia, Pa. Instep guard for safety shoes. 2,613,457, Oct. 14.
McLaughlin, Eli H., Parkersburg, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Hardware attachment. 2,609,069, Sept. 2.
McLaughlin, Eli H., Vienna, W. Va. Tube drill adapter. 2,588,267, Mar. 4.
McLaughlin, Frederick D., Shaker Heights, assignor to The Chandler & Price Company, Cleveland, Ohio. Paper cutting machine. 2,608,254, Aug. 26.
McLaughlin, George F., Berkeley, Calif. Storage system for pressurized fluids. 2,600,015, June 10.
McLaughlin, George H.: *See*— Cartier, William O., McLaughlin, Robinson, and Wise.
McLaughlin, Henry E.: *See*— Bibb, Carlisle H., and McLaughlin.
McLaughlin, John J., assignor to The Wilkie Company, Philadelphia, Pa. Telescoping conveyer line. 2,613,788, Oct. 14.
McLaughlin, John J., assignor to The Wilkie Company, Philadelphia, Pa. Gravity conveyer section. 2,613,789, Oct. 14.
McLaughlin, Kenneth M., Summit, N. J., assignor to Radio Corporation of America. Electrode support for semiconductor devices. 2,595,475, May 6.
McLaughlin, Thomas J.: *See*— Axelrod, Albert, Lackoff, and McLaughlin.
McLaughlin, William T.: *See*— Kamlet, Jonas, and McLaughlin.
McLean, Colin C., and S. A. Davis, assignors to Hospital Furniture, Inc., Chicago, Ill. Safety bed. 2,592,166, Apr. 8.
McLean, David A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impregnated electrical condenser. 2,615,955, Oct. 28.
McLean, Henry N., Sr.: *See*— Burton, James R., Jr., and McLean.
McLean, John O.: *See*— Putt, John W., Smith, and McLean.
McLean, Loretta P., assignee: *See*— Rawlings, Jack V.
McLean, Lyle, Los Angeles, Calif. Classifier. 2,601,923, July 1.
McLean, Lyle G., Warden, Wash. Vacuum separator. 2,621,792, Dec. 16.
McLean, Paul L., assignor of twenty-five per cent to M. L. Morgan, Levelland, Tex. Paraffin removing and preventing apparatus. 2,598,280, May 27.
McLean, Robert E., Fort Benning, Ga., assignor to J. C. Hockery, Kansas City, Mo. Rotary type can opener. 2,591,181, Apr. 1.
McLean, Robert E., Fort Benning, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,592,933, Apr. 15.
McLean, Robert E., Fort Benning, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,592,934, Apr. 15.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,592,935, Apr. 15.

McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,592,936, Apr. 15.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,592,937, Apr. 15.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,600,792, June 17.
McLean, William B., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Hydraulic acceleration integrator switch. 2,603,726, July 15.
McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread advancing reel. 2,618,837, Nov. 25.
McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of viscose rayon. 2,620,258, Dec. 2.
McLellan, Kenneth M., Cleveland, and R. W. Stanley, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Method and apparatus for handling continuously spun artificial threads or the like. 2,611,924, Sept. 30.
McLemore, Harvey B., Okmulgee, Okla. Truss for quilting frames. 2,599,404, June 3.
McLenegan, David W., Richland, Wash., assignor to General Electric Company. Fluid heating system, including a heat pump. 2,619,326, Nov. 25.
McLeod, Gordon D., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Grease compositions. 2,620,301, Dec. 2.
McLeod, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing view finder system. 2,589,014, Mar. 11.
McLeod, Robert E., assignee: *See*—
Abrams, Ruby K.
McLeod, Roderick C., Leicester, assignor to Power Jets (Research & Development) Limited, London, England. Construction of stator elements of turbines, compressors, or like machines. 2,584,899, Feb. 5.
McLeod, Roderick C., Cropston, assignor to Power Jets (Research and Development) Limited, London, England. Bladed stator assembly primarily for axial flow compressors. 2,622,790, Dec. 23.
McLeod, Roderick C., Cropston, Leicester, assignor to Power Jets (Research & Development) Limited, London, England. Rotor structure for turbines and compressors. 2,623,727, Dec. 30.
McLeod, Roderick C., Cropston, Leicester, G. B. R. Feilden, Lutterworth, near Rugby, and J. Hodge, Narborough, Leicester, assignors to Power Jets (Research and Development) Limited, London, England. Supporting and reinforcing structure for gas turbine engines. 2,614,386, Oct. 21.
McLeod, Roy D., Detroit, assignor of two-thirds to W. Carls, Milford, Mich., and one-third to S. L. Brussel and the Detroit Trust Company, coexecutors of F. H. Brussel, deceased. Rapid operating poppet air valve. 2,583,185, Jan. 22.
McLeod, Roy D., Detroit, assignor of two-thirds to W. Carls, Milford, Mich., and one-third to S. L. Brussel and Detroit Trust Company, coexecutors of F. H. Brussel, deceased. Pilot valve. 2,588,552, Mar. 11.
McLeod, Stewart B., Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Pump and motor hydraulic system. 2,586,682, Feb. 19.
McLeod, Stewart B., Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Solenoid valve assembly. 2,586,683, Feb. 19.
McLeod, Stewart B., Dearborn, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Hydraulic power unit. 2,588,644, Mar. 11.
McLinden, James E., Jr., Rego Park, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Cold cathode tube. 2,604,603, July 22.
McLintock, Duncan M., Kilmacolm, Scotland. Injection syringe. 2,585,815, Feb. 12.
McLoad, Kenneth W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Selector arrangement for seismic prospecting system. 2,590,531, Mar. 25.
McLoad, Kenneth W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Double coil cable geophone. 2,601,543, June 24.
McLoud, Elbert S.: *See*—
Wilder, Edward A., and McLoud.
McMahon, Edward F.: *See*—
McMahon, Robert E., and E. F.
McMahon, George A.: *See*—
Kaysing, Charles W., and McMahon.
McMahon, George F., assignor to S & C Electric Company, Chicago, Ill. Circuit interrupting means. 2,586,171, Feb. 19.
McMahon, Harold H., Pasadena, Calif., assignor to Illinois Tool Works, Chicago, Ill. Fuse clip device. 2,621,227, Dec. 9.
McMahon, Howard J., Park Rapids, Minn. Blackout cigarette smoker. 2,620,804, Dec. 9.
McMahon, Howard O., Lexington, assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass. Packed column for contacting two fluid phases. 2,607,572, Aug. 19.
McMahon, Howard O., Lexington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Low-pressure product drying. 2,620,573, Dec. 9.
McMahon, Jerome B., Wilmette, Ill., and F. B. Miller, Cleveland, Ohio, assignors to Republic Flow Meters Company, Chicago, Ill. Tare-setting control mechanism for filling containers. 2,608,371, Aug. 26.
McMahon, Joseph H., Belleville, N. J. Adjustable cylinder coating machine. 2,622,556, Dec. 23.
McMahon, Joseph H., Newark, N. J. Film transfer machine. 2,617,338, Nov. 11.
McMahon, Morgan E., Oakland, Calif. Position selector. 2,620,672, Dec. 9.
McMahon, Robert E., and E. F., Seattle, Wash. Corrosion inhibitor for heat exchangers and the like. 2,609,340, Sept. 2.
McMahon, Thomas L., Amarillo, Tex., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Prefabricated bank of ribbon for making ornamental pompon bows. 2,587,502, Feb. 26.
McMahon, William T., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Static frequency changer. 2,600,560, June 17.
McMann, William E. J., Danville, Va. Apparatus for controlling the flow of dye liquor through kiers. 2,586,244, Feb. 19.
McManus, Albert R.: *See*—
Koenig, Joseph J., Erskine, and McManus.
McMaster, Archie J., Deerfield, assignor to G-M Laboratories, Inc., Chicago, Ill. Projection slide file, 2,608,193, Aug. 26.
McMaster, Archie J., and W. H. Kitto, assignors to G-M Laboratories, Inc., Chicago, Ill. Overload release mechanism. 2,589,194, Mar. 11.
McMaster, Elmer L., assignor to The Dow Chemical Company, Midland, Mich. Aminating halomethylated copolymers. 2,616,877, Nov. 4.
McMaster, Robert C., Columbus, Ohio, assignor, by mesne assignments, to The Indiana Steel Products Company, Valparaiso, Ind. Continuous process for leaching an iron-aluminum alloy. 2,608,469, Aug. 26.
McMath, Charles W., Fort Worth, Tex. Bin level switch. 2,615,102, Oct. 21.
McMath, Marl, Newport, Ky., assignor to Graflex, Inc., Rochester, N. Y. Electronic device. 2,589,720, Mar. 18.
McMeen, Harry H.: *See*—
Kirkpatrick, Alton, and McMeen.
McMenimen, William V., East Orange, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Spud method of installing oil well drilling bases. 2,592,448, Apr. 8.
McMillan, Charles E., Alton, Ill. Mount for candlestick lubricators for car and locomotive wheel flanges. 2,580,687, Jan. 1.
McMillan, Edward B.: *See*—
Olson, Arthur R., McMillan, and Davis.
McMillan, Edward B., Greenwood, and R. M. Redheffer, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna housing. 2,617,934, Nov. 11.
McMillan, Edwin M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Synchro-cyclotron. 2,615,129, Oct. 21.
McMillan, Elmer E. and G. E., Mansfield, Mo. Shears with interchangeable cutting blade. 2,584,603, Feb. 5.
McMillan, Frank M., and D. E. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Softening agent for rubber and resultant rubber composition. 2,582,264, Jan. 15.
McMillan, Frank M., and E. T. Bishop, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Shortstopping the addition polymerization of unsaturated organic compounds. 2,601,673, June 24.
McMillan, George E.: *See*—
McMillan, Elmer E. and G. E.
McMillan, Jerry N., Colville, Wash. Sharpener for revolving cutter blade lawn mowers. 2,619,852, Dec. 2.
McMillan, John P., Kosciusko, Miss. Fertilizer distributor. 2,599,118, June 3.
McMillan, Wallace A., Glenham, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,580,572, Jan. 1.
McMillan, Wallace A., Glenham, assignor to The Texas Company, New York, N. Y. Impregnation of absorbent material. 2,581,685, Jan. 8.
McMillen, Drury A., and A. Stuxberg, Sao Paulo, Brazil. Spherically curved plotting body and compass for use therewith. 2,619,726, Dec. 2.
McMiller, Urban C., assignor to G. D. Godwin, Minneapolis, Minn. Covered carrier adapted to be mounted on automobile tops. 2,621,836, Dec. 16.
McMillin, James R., and W. Sakarash, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Cushion. 2,610,337, Sept. 16.
McMillin, John H., Monroe, Mich. Fundus camera, including eye fixation. 2,586,973, Feb. 26.

McMullen, Claud S., New York, N. Y., assignor to National Smokehouse Equipment, Inc., Clifton, N. J. Smoke generator. 2,606,546, Aug. 12.
McMullin, C. M., assignee: *See*—
James, Frazier N.
McMurdy, Paul A., and O. N. Donehoo, Houston, Tex. Well-drilling bit. 2,599,854, June 10.
McMurray, Anthony V.: *See*—
Lemonds, Robert D., and McMurray.
McMurray, Edward, Kensington, Conn., assignor, by mesne assignments, to Awninglite Window Manufacturers, Inc., Miami, Fla. Window. 2,617,150, Nov. 11.
McMurry, Everett D.: *See*—
Garrett, Henry U., Peters, and McMurry.
McMurtrie, Dallas W., Veedersburg, Ind. Trailer for farm tractors. 2,609,212, Sept. 2.
McMurtrie, Robert H., assigned to Ferdinand Furniture Company, Inc., Huntingburg, Ind. Sectional toy furniture. 2,582,553, Jan. 15.
McNab, John G., Cranford, N. J., assignor to Standard Oil Development Company. Diesel fuel composition. 2,612,439, Sept. 30.
McNab, John G., Cranford, N. J., Hakala, Railway, and J. P. McDermott, Springfield, N. J., assignors to Standard Oil Development Company. Oxidation resisting hydrocarbon products. 2,618,597, Nov. 18.
McNabb, Louis A., Glenview, assignor to Bell & Howell Company, Chicago, Ill. Reel drive mechanism for motion-picture film reels. 2,607,545, Aug. 19.
McNabb, Walter J., Delhi, and W. J. McNabb, Jr., assignors of one-third to M. H. Mannasse, Napa, Calif., and two-thirds to said W. J. McNabb, Jr. Infant's crib. 2,590,337, Mar. 25.
McNabb, Walter J., and W. R. Cochrane, Delhi, Calif. Crib actuating mechanism. 2,593,590, Apr. 22.
McNabb, Walter J., Jr.: *See*—
McNabb, Walter J., and W. J. McNabb, Jr.
McNair, Irving M., Emmaus, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Leak detector for immersion heaters. 2,614,200, Oct. 14.
McNairy, Jacob W.: *See*—
Clark, David L., and McNairy.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Toaster timing mechanism. 2,584,725, Feb. 5.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Control circuit with temperature and/or humidity compensation. 2,611,854, Sept. 23.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Control device. 2,613,630, Oct. 14.
McNall, John W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tunable magnetron. 2,617,079, Nov. 4.
McNally, Christopher J.: *See*—
Gillespie, Robert N., Muir, and McNally.
McNally, James A., United States Navy. Jet airfoil brake. 2,609,168, Sept. 2.
McNamara, Francis J., Yonkers, N. Y. Fuse testing terminal. 2,586,366, Feb. 19.
McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Loading attachment for tractors. 2,603,374, July 15.
McNamara, Gordon G., Jr., Chicago, Ill. Rotating and reciprocating table top. 2,610,099, Sept. 9.
McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Tractor-mounted power loader. 2,621,817, Dec. 16.
McNamara, John P., assignor of one-third to Romisons Confectionery Limited, Dunedin, New Zealand. Making a decorative or distinctive marking on chocolate, caramel, icing, and like confectionery substances. 2,586,084, Feb. 19.
McNamara, Patrick V., and R. E. Nicholson, Detroit, Mich. Garbage disposal apparatus. 2,594,054, Apr. 22.
McNamara, Timothy L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Contacting of immiscible liquids. 2,609,277, Sept. 2.
McNamara, William J., Perth Amboy, N. J., assignor to M. H. Treadwell Company, Inc., New York, N. Y. Knockout mechanism for casting wheels. 2,605,522, Aug. 5.
McNaney, Joseph T., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Voltage indicating system. 2,589,721, Mar. 18.
McNaught, William K., Sausalito, Calif. Jet engine with compressor driven by rotating jets which exhaust into thrust augmenting duct. 2,592,938, Apr. 15.
McNea, Albert T., Cleveland, Ohio. Float operated switch. 2,613,294, Oct. 7.
McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Pressure control valve. 2,622,613, Dec. 23.
McNealy, Raymond W., and J. A. Glassman, Chicago, Ill. Insulated container. 2,591,578, Apr. 1.
McNeel, Jess M., San Antonio, Tex. Blade adjuster for brush cleaning mechanisms. 2,584,485, Feb. 5.
McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,581,122, Jan. 1.
McNeely, Lowell, and E. P. Whitlow, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Apparatus for maintaining liquid level in absorption refrigeration systems. 2,615,311, Oct. 28.
McNeil, Alvin G., assignor to Ralph N. Brodie Company, Oakland, Calif. Liquid dispensing apparatus having rate of closing control for the flow control valve. 2,605,930, Aug. 5.
McNeil, Jack G., Fort Leonard Wood, Mo. Polishing guard. 2,608,808, Sept. 2.
McNeil, John R.: *See*—
Kish, Michael, Jr., McNeil, and Kirby.
McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.
McNeill, Albert G., assignor to Bachmann Bros. Inc., Philadelphia, Pa. Toy house. 2,600,900, June 17.
McNeill, Alexander W., Lynn, Mass. Collapsible last. 2,601,687, July 1.
McNeill, Francis R., New Carlisle, K. A. Grillot, Spring Valley, and F. Abel, assignors to The Huffman Manufacturing Company, Dayton, Ohio. Wheeled supporting device attachable to bicycles or containers. 2,612,388, Sept. 30.
McNeill, James K., Gary, Ind., assignor to International Harvester Company. Apparatus for cultivation by flame. 2,587,873, Mar. 4.
McNeill, James M., Placentia, assignor to Union Oil Company of California, Los Angeles, Calif. Off-shore drilling. 2,606,003, Aug. 5.
McNeill, Robert M.: *See*—
Schneck, Frederick W., and McNeill.
McNellis, James: *See*—
Vaterrodt, Peter, and McNellis.
McNerney, Robert P., Sharpsville, assignor of fifty per cent to C. J. Songer, Farrell, Pa. Deceleration signal. 2,586,685, Feb. 19.
McNerny, Clyde F., and M. S. Davidson, Denver, Colo., and L. N. Jeffries, Missoula, Mont. Apparatus for separating sugar beets or the like from heavier articles such as rocks, sand, and mud. 2,586,846, Feb. 26.
McNicoll, David, Solihull, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Tapered roller bearing. 2,594,578, Apr. 29.
McNiece, Irwin, Los Angeles, Calif. Four-in-hand necktie knot anchors. 2,599,190, June 3.
McNinch, James N., assignor to Sterling Electronic Door Control Corporation, Sterling, Ill. Electric overhead door operating device. 2,588,028, Mar. 4.
McNulty, Carrell S., and Carrell S. McCarthy, Jr., Westport, Conn. Sign. 2,580,688, Jan. 1.
McNulty, Carrell S., Jr.: *See*—
McNulty, Carrell S., and Carrell S. McCarthy, Jr.
McNulty, John V., Binghamton, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical circuit analyzing apparatus. 2,604,515, July 22.
McNulty, John V., assignor to General Laboratory Associates, Inc., Norwich, N. Y. Magnetically fired ignition device. 2,580,689, Jan. 1.
McNulty, John V., and L. I. Knudson, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Electrical circuit analyzing apparatus. 2,604,516, July 22.
McNutt, Anderson D., Newark, and R. L. Newton, Bridgeton, N. J., assignors to Owens-Illinois Glass Company. Machine for gauging bottleneck openings. 2,596,342, May 13.
McNutt, Louis C.: *See*—
McElroy, Archie K., and McNutt.
McNutt, Ralph L., Fort Worth, Tex. Telephone operated lighting means. 2,616,972, Nov. 4.
McOmber, Loren W., assignor to C. E. Bobenmyer, Peoria, Ill. Dispensing apparatus for vending machines. 2,584,726, Feb. 5.
McPhail, Robert G., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Direct lighting luminaire and/or refractor for use therein. 2,623,160, Dec. 23.
McPhail, Silas F., Windsor, Ontario, Canada. Grain saving device for threshing machines. 2,581,198, Jan. 1.
McPhee, Duncan S., Seattle, Wash. Apparatus for scribing dental models. 2,597,661, May 20.
McPhee, Duncan S., Seattle, Wash. Apparatus for use in the preparation of dental prosthetic devices. 2,621,406, Dec. 16.
McPhee, John E., assignor to John Widdicomb Company, Grand Rapids, Mich. Pallet conveyer and selector. 2,613,798, Oct. 14.
McPhee, William F., Ringwood, assignor of six-tenths to I. M. Slepicka, Chicago, Ill. Power-operated pivoted shears. 2,613,437, Oct. 14.
McPheron, Leo M.: *See*—
Winefordner, Roland A., and McPheron.
McPherson, Albert E.: *See*—
Weaver, Preston R., and McPherson.
McPherson, George L., Lebanon, Oreg. Lock nut. 2,621,697, Dec. 16.
McPherson, Hal W., Chicago, Ill., assignor, by mesne assignments, to The Skinner Chuck Company. Reversible valve structure. 2,587,356, Feb. 26.
McPherson, Hal W., Chicago, Ill., assignor to The Skinner Chuck Company, Norwalk, Conn. Valve. 2,587,357, Feb. 26.
McPherson, Hal W., Chicago, Ill. Disposal device. 2,604,633, July 29.
McPherson, Hal W., Chicago, Ill. Bearing mount. 2,616,770, Nov. 4.

McPherson, John B., Abington, assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa. Intake construction for infant incubators. 2,616,414, Nov. 4.
McPherson, Robert R.: *See*—
Kagy, John F., and McPherson.
McQuaid, Daniel J., Sr., Denver, Colo. Geometrical instrument. 2,610,407, Sept. 16.
McQuay-Norris Manufacturing Company, assignee: *See*—
Mudd, Harry A.
Persons, Lawrence M.
Smith, Dallas M.
McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene/butene-1,4-diolic acid monoester copolymers. 2,599,119, June 3.
McQueen, David M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Radical stabilized polymers. 2,619,479, Nov. 25.
McQueen, Peter T., Milnathort, assignor of one-third to W. W. Bowie and one-third to H. Gibson, Edinburgh, Scotland. Package delivery chute. 2,588,142, Mar. 4.
McQuilkin, Willard H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner nozzle with rocking lever type adjustable brush. 2,597,808, May 20.
McQuin, Clarence F., Milwaukee, Wis. Scaffold support. 2,588,399, Mar. 11.
McQuiston, Harry G., Emporia, Kans. Auxiliary air tank for automobile tires. 2,609,857, Sept. 9.
McRae, Donald K., Wilmington, N. C. Combination gaff hook and scale. 2,586,245, Feb. 19.
McRae, Fred W., assignor to Security Valve Co., Los Angeles, Calif. Valve. 2,587,358, Feb. 26.
McRae, Fred W., Los Angeles, Calif. Quick opening valve. 2,591,959, Apr. 8.
McReary, Ronald, Corvallis, Oreg. Interlocking sections for paper boxes. 2,610,782, Sept. 16.
McRoberts, Charles G., Brooklyn, N. Y. Artificial bait. 2,588,400, Mar. 11.
McRoskey, Edward L., San Francisco, Calif. Spring construction. 2,581,686, Jan. 8.
McShan, Dermon B.: *See*—
Erickson, Gustav F., and McShan.
McShane, Oscar T., assignee: *See*—
Dunning, Homer K.
McSheehy, Justin A., Somerville, and W. A. Raimond, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of alpha-amino anthraquinone. 2,610,971, Sept. 16.
McShirley, Robert C., Glendale, Calif. Power supply means for percussor apparatus. 2,581,806, Jan. 8.
McShirley, Robert C., Glendale, Calif. Tip for colon therapy appliances. 2,603,217, July 15.
McSpedon, William J., III, Yonkers, N. Y. Carburetor. 2,601,977, July 1.
McSweeney, William J., Chicago, Ill., assignor to National Thrift Plans, Inc., West Bend, Wis. Lock structure for coin savings banks. 2,600,311, June 10.
McTarnahan, Grace K., executrix: *See*—
Maroth, Arthur M.
McTarnahan, William C., assignee: *See*—
Maroth, Arthur M.
McTighe, Edward F., New York, N. Y. Tubular cloth casing. 2,614,261, Oct. 21.
McTyre, Henry, and S. H. Aspden, Natchitoches, La. Internal reverse taper reamer. 2,594,671, Apr. 29.
McVay, Millard S., Washington, D. C., and J. H. Greig, New York, N. Y. Cathode-ray indicator. 2,590,114, Mar. 25.
McVay, Millard S., Washington, D. C., and J. H. Greig, New York, N. Y. Adjustable reference marker indicating system for echo ranging devices. 2,603,778, July 15.
McVeigh, John R., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Automotive power plant with air preheater and reverse axial flow through combustion chamber to power and compressor turbines. 2,587,057, Feb. 26.
McVey, Elden N., Ashtabula, Ohio. Variable abrasive belt backup wheel. 2,581,270, Jan. 1.
McVicar, Harold R., Berea, Ohio. Roller and harrow implement. 2,607,176, Aug. 19.
McVicker, Ansley A., Jeannette, and H. D. McVicker, Latrobe, Pa. Machine for producing pads for journal lubrication. Re. 23,450, Jan. 15.
McVicker, Howard D.: *See*—
McVicker, Ansley A. and H. D.
McWatters, Robert S., Ottawa, Ontario, Canada. Surface treating appliance having an adjustable brush head. 2,618,802, Nov. 25.
McWethy, Arthur, Grand Rapids, Mich. Welder's eye shield. 2,588,553, Mar. 11.
McWhirter, Eric M. S., and F. W. Warden, Mount Vernon, assignors to International Standard Electric Corporation, New York, N. Y. Space reservation system. 2,604,530, July 22.
McWhirter, Eric M. S., and R. H. Dunn, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electrical measuring circuits. 2,607,528, Aug. 19.
McWhorter, Cullen J.: *See*—
Blackman, Glenn R., and McWhorter.
McWhorter, Henry L., assignor to The Goss Printing Press Company, Chicago, Ill. Ink roller vibrator. 2,581,687, Jan. 8.
McWhorter, Henry L., assignor to The Goss Printing Press Company, Chicago, Ill. Magazine press ink fountain. 2,623,461, Dec. 30.
McWhorter, Henry L., Hinsdale, assignor to The Goss Printing Press Company, Chicago, Ill. Inking arrangement for printing presses. 2,613,600, Oct. 14.
McWilliam, William M., New Orleans, La. Boiler cleaner nozzle. 2,586,367, Feb. 19.
Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nonlinear pulse code modulation system. 2,592,308, Apr. 8.
Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laborntories, Incorporated, New York, N. Y. Pulse modulation system. 2,600,561, June 17.
Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Percentage time division multiplex for pulse code modulation. 2,603,714, July 15.
Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current regulation. 2,607,030, Aug. 12.
Mead, Bruce R.: *See*—
Fisher, John H., and Mead
Mead Corporation, The, assignee: *See*—
Ruff, Harold T., and Stevenson.
Mead, Edward D., Caldwell, N. J., and O. S. A. Mesch, St. Albans, assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Electrical control apparatus. 2,590,263, Mar. 25.
Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Inserts for current collectors. 2,607,677, Aug. 19.
Mead, Gideon R., Plattsburg, assignor to Pal Blade Co., Inc., New York, N. Y. Magazine for safety razor blades. 2,589,722, Mar. 18.
Mead, Gideon R., Plattsburg, assignor to Pal Blade Co. Inc., New York, N. Y. Magazine for safety razor blades. 2,622,320, Dec. 23.
Mead, Gideon R., Plattsburg, assignor to Pal Blade Co. Inc., New York, N. Y. Magazine for safety razor blades. 2,622,321, Dec. 23.
Mead, Homer A., Turlock, Calif. Adjustable pliers. 2,600,512, June 17.
Mead, Howard C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spot lamp mirror. 2,585,399, Feb. 12.
Mead, Howard C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spotlight attachment for mirrors. 2,594,784, Apr. 29.
Mead, Howard C., and G. W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Combined tail lamp and fuel tank inlet cover. 2,606,772, Aug. 12.
Mead, John C., and W. C. Schneider, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Wood laminate bonded with an adhesive comprising melamine formaldehyde resin and an ester of glycerol and sebacic acid. 2,586,473, Feb. 19.
Mead, Louis W., Chicago, Ill., and F. C. Armistead, Marblehead, Mass., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber for neutron flux measurements. 2,604,598, July 22.
Mead, Theodore E., Wilmette, Ill. Pressure fluid motor control. 2,607,324, Aug. 19.
Mead, Theodore E., Wilmette, Ill. Power tool feed device. 2,609,714, Sept. 9.
Mead, Theodore E., Wilmette, Ill. Indexing apparatus. 2,618,982, Nov. 25.
Mead, Theodore E., Wilmette, Ill. Power-actuated pin-setting apparatus. 2,621,930, Dec. 16.
Mead, Vincent A., United States Navy. Latch release mechanism. 2,586,847, Feb. 26.
Mead, William H., assignee: *See*—
Bishop, Lewis H., and Finn.
Meade, Harold W., Covington, Ind. Pressure-operated mechanism for controlling fluid flow. 2,621,482, Dec. 16.
Meade, Reginald E., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Milk product method of manufacture. 2,602,746, July 8.
Meade, Reginald E., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Milk product process of manufacture. 2,602,747, July 8.
Meade, Richard K.: *See*—
Peebles, David D., Clary, and Meade.
Meador, Horace C., Houston, assignor to South Houston Machine Company, South Houston, Tex. Valve assembly. 2,585,667, Feb. 12.
Meadors, Victor G., Tulsa, Okla., assignor to Standard Oil Development Company. Drilling fluid compositions. 2,587,501, Feb. 26.
Meadors, Victor G., Tulsa, Okla., assignor to Standard Oil Development Company. Controlling drilling fluid viscosity. 2,589,949, Mar. 18.
Meadors, Victor G., Tulsa, Okla., assignor to Standard Oil Development Company. Increasing drilling fluid viscosity. 2,599,342, June 3.

Meadors, Victor G., Tulsa, Okla., assignor to Standard Oil Development Company. Controlling alkalinity of drilling fluids. 2,603,598, July 15.
Meadows, Ernest D., and R. K. Whitehead, assignors to Meadows Manufacturing Company, Atlanta, Ga. Pulley. 2,620,675, Dec. 9.
Meadows, George W.: *See*—
Van Heeckeren, Willem, Meadows, and Jacobson.
Meadows Manufacturing Company, assignee: *See*—
Meadows, Ernest D., and Whitehead.
Meaker, John W., New York, N. Y. Perforated multiple ply bag. 2,593,328, Apr. 15.
Meakin, Edgar N., San Francisco, Calif. Extrusion mill. 2,603,170, July 15.
Means, Eldon A.: *See*—
Welsh, Dolan H., and Means.
Means, Winthrop J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic testing system. 2,615,961, Oct. 28.
Meany, Robert E., Chicago, Ill. Bird feeder. 2,591,459, Apr. 1.
Meares, Lillian J., Rutherford, N. J., assignor to Venus Corporation, New York, N. Y. Bust supporter. 2,585,338, Feb. 12.
Mears, Robert B., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Packaged electrodes for the cathodic protection of metallic underground structures. 2,621,154, Dec. 9.
Mecasco, Inc., assignee: *See*—
Goodemoot, Russell.
Mechanical Equipment Corp., assignee: *See*—
Baum, Frederick W.
Mechanical Handling Systems Inc., assignee: *See*—
Mullen, Edward.
Mullen, Edward, and Boyko.
Mullen, Edward, and Garman.
Mechanical Products, Inc., assignee: *See*—
Ingwersen, Richard C.
Mechanical Resuscitator Corporation, assignee: *See*—
Rausch, Chester C.
Mechanics National Bank of Worcester, The, executor: *See*—
Persons, Charles A.
Mechano Gear Shift Company, assignee: *See*—
Kenyon, Bertrand F.
Mechem Engineering, Inc., assignee: *See*—
Elerman, Jack F.
Mechlin, Wilmer, Washington, D. C. Attaching means for the sides of convertible top fabric. 2,606,060, Aug. 5.
Meckel, Leona M., assignee: *See*—
Reilly, Gordon P.
Meckenstock, John W., assignor to Meckum Engineering, Inc., Chicago, Ill. Sand valve. 2,598,409, May 27.
Meckum Engineering, Inc., assignee: *See*—
Meckenstock, John W.
Meco-Pilot Manufacturing Company, assignee: *See*—
May, Edward M.
Mecorney, John W.: *See*—
Anderson, John, Mecorney, and Ham.
Medart Company, The, assignee: *See*—
Chervenka, George R., and Kane.
Medcalf, Henry V. G., New Cross, London, assignor to Hunter-Penrose Limited, London, England. Dusting cabinet. 2,602,417, July 8.
Meddick, Lorrain D.: *See*—
Morgan, Charles K., Meddick, and McKenna.
Meddick, Lorrain D., Huntington Park, and J. T. Gardiner, assignors to Lane-Wells Company, Los Angeles, Calif. Well packer. 2,618,341, Nov. 18.
Meddock, Alvin A.: *See*—
Deardorff, Clinton E., and Meddock.
Livers, Carlos B., and Meddock.
Meddock, Alvin A., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Control valve with free position. 2,610,022, Sept. 9.
Meddock, Alvin A., Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic control system with automatic stop. 2,615,432, Oct. 28.
Medlcus, Gustav K., Dayton, Ohio. Gas arc torch. 2,594,333, Apr. 29.
Medill, Edward C., Snohomish, and F. P. Hewitt, Monroe, Wash. Bottle carrier. 2,609,227, Sept. 2.
Medina, Francisco S. and L. M., and A. M. Tey, Barcelona, Spain. Centrifugal molding machine. 2,589,950, Mar. 18.
Medlar, Lewis A.: *See*—
Godshalk, James B., and Medlar.
Medlar, Lewis A., Oreland, and J. B. Godshalk, assignors, by mesne assignments, to Fox Products Company, Philadelphia, Pa. Apparatus for testing batteries. 2,621,231, Dec. 9.
Medley, Harry B.: *See*—
Egerer, William E., Medley, and Kittler.
Medlin, Milton, New York, N. Y. Belt buckle. 2,613,417, Oct. 14.
Medlock, Laurance H., Great Lakes, Ill. Educational device. 2,618,868, Nov. 25.
Medlock, Reginald S., Luton, England, assignor to Leeds and Northrup Company, Philadelphia, Pa. Oscillator-controlled rebalance measuring system. 2,586,686, Feb. 19.
Medlock, Reginald S., Luton, England, assignor to Leeds and Northrup Company, Philadelphia, Pa. Paramagnetic gas analyzer. 2,603,965, July 22.
Mednick, Philip, Brooklyn, N. Y. Resiliently supported tilting chair. 2,606,595, Aug. 12.
Medway, Kenneth R., Worcester Park, England. Parking arrangement with movable vehicle carrying platforms. 2,605,911, Aug. 5.
Meech, Ralph E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,596,861, May 13.
Meehan, John J., Chicago, Ill. Selective sterilization of food products. 2,614,938, Oct. 21.
Meek, George W.: *See*—
Wheeler, William H., von Bergen, and Meek.
Meeker Company, Inc., The, assignee: *See*—
Elliff, Orla S.
Hughes, Edgar.
Meeker, David A., G. B. Fox, and B. E. Sullenberger, assignors to The Hobart Manufacturing Company, Troy, Ohio. Meat saw with cleaning and scrap collecting apparatus. 2,585,957, Feb. 19.
Meeker, Herbert J., Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Comminutor. 2,594,785, Apr. 29.
Meeker, Willard F., and F. H. Slaymaker, Rochester, N. Y., assignors to Stromberg-Carlson Company. Echo ranging system. 2,611,445, Sept. 23.
Meeker, William H.: *See*—
Valsey, Harold C., and Meeker.
Meeker, William H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Reversible front cuff link. 2,597,887, May 27.
Meeker, William H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Reversible front cuff link. 2,598,281, May 27.
Meeker, William H., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie clasp. 2,608,729, Sept. 2.
Meeker, William H., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Key ring. 2,615,324, Oct. 28.
Meeker, William H., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Money clip. 2,619,699, Dec. 2.
Meerbott, William K., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Olefin polymerization. 2,619,512, Nov. 25.
Meers, Richard A., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical wave transmission system. 2,621,253, Dec. 9.
Mefford, Cash O., Sapulpa, and G. D. Massey, Tulsa, assignors of one-third to H. W. Evans, Sapulpa, Okla. Combination check and block valve. 2,584,900, Feb. 5.
Mefina S. A., assignee: *See*—
Casas-Robert, Ramon.
Mefina, S. A., Binningen, assignee: *See*—
Kunz, Paul A.
Mega Corporation, assignee: *See*—
Seaman, Richard H.
Megator Pumps & Compressors Limited, assignee: *See*—
McCombie, Frederick W.
Megaw, Eric C. S., London, England, assignor to Radio Corporation of America. Magnetron. 2,599,270, June 3.
Mégel, Guillaume E., and H. Mancia, assignors of one-half to Usines Tornos Fabrique de Machines Moutier S. A., Moutier, Switzerland. Bearing structure. 2,597,161. May 20.
Mégel, Guillaume E., and H. Mancia, assignors to Usines Tornos Fabrique de Machines Moutier S. A., Moutier, Switzerland. Adjusting and engaging mechanism. 2,608,879, Sept. 2.
Meggitt, Harry E., Portland, Oreg. Control means for vehicle mirrors, fog lights, and the like. 2,614,437, Oct. 21.
Megla, John A., Youngstown, Ohio. Hose holding clip. 2,592,053, Apr. 8.
Mehan, Thomas O., and G. J. Uhlig, Park Ridge, assignors to Victor Adding Machine Co., Chicago, Ill. Columnar selection carriage. 2,597,162, May 20.
Meidinger, Edwin, Lethbridge, Alberta, Canada. Cultivator. 2,608,925, Sept. 2.
Meier, Allen S., Xenia, and P. D. Coleman, Dayton, Ohio, assignors to the United States of America as represented by the Secretary of War. Antenna matching section. 2,593,474, Apr. 22.
Meier, Donald R., Erie, Pa., assignor to General Electric Company. Flexible coupling. 2,592,309, Apr. 8.
Meier, Donald R., Erie, Pa., assignor to General Electric Company. Commutator for dynamoelectric machines. 2,600,312, June 10.
Meier, Edwin H., Tulsa, Okla., assignor to Standard Oil Development Company. Automatic volume control time response switching. 2,582,714, Jan. 15.
Meier, Erwin, Neuewelt, near Basel, assignor to Ciba Limited, Basel, Switzerland. Printing of woolen textiles with a nonaqueous paste comprising a dyestuff containing an acid group, a water-insoluble vinyl polymer, and an acid-liberating agent. 2,589,951, Mar. 18.
Meier, Jersy W., Ottawa, Ontario, Canada, assignor to Her Majesty the Queen in the right of Canada, as represented by the Minister of Mines and Technical Surveys. Magnesium alloy and treatment. 2,609,309, Sept. 2.
Meier, Johann: *See*—
Mettler, Erhard K., and Meier.
Meier, Johann H., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Automatic feed for cable tool drill. 2,587,638, Mar. 4.

Meier & Pohlmann Furniture Company, assignee: *See*— Haven, David S.

Meierjohan, Ernest, assignor of fifty per cent to J. W. Kinney, Jr., Cincinnati, Ohio. Fishing reel. 2,617,611, Nov. 11.

Meighan, William A., Oswego, Oreg. Quick releasable ship clamp. 2,602,690, July 8.

Meighan, William A., Oswego, Oreg. Choker hook. 2,605,130, July 29.

Meighan, William A., Oswego, Oreg. Bundling choker. 2,611,638, Sept. 23.

Meighan, William A., and T. L. Hume, Portland, Oreg. Tensioning and joining device for strap ends. 2,611,164, Sept. 23.

Meijer, Hendrik W., Veendam, Netherlands. Crease-proofing cellulose textiles with glucose-ureide formaldehyde condensation product. 2,596,268, May 13.

Meijer, Hendrik W., Veendam, Netherlands. Manufacture of hexoseureides and thioureides. 2,612,497, Sept. 30.

Meijer, Rudolf H. M.: *See*— de Nie, Willem L. J., and Meijer.

Meiklejohn, George T., Runcorn, England, assignor to Imperial Chemical Industries Limited. Electrolytic cell. 2,596,583, May 13.

Meiklejohn, William H., Lynnfield Center, Mass., assignor to General Electric Company. Magnetic hardness testing and sorting. 2,585,668, Feb. 12.

Meiler, John G., C. D. Stone, and R. J. Hilton, assignors to Plywood Research Foundation, Tacoma, Wash. Edge gluing wood veneer sheets and edge glued product. 2,616,824, Nov. 4.

Meili, Ernst, Bad Ragaz, assignor to Elektro-Watt Elektrische und Industrielle Unternehmungen A. G., Zurich, Switzerland. Photoelectric device for indicating the diminution of light. 2,581,271, Jan. 1.

Meiling, John C., Provo, Utah. Wheel assembly. 2,599,120, June 3.

Meilstrup, Emil E., and R. M. Sigmon, Jr., Winston-Salem, N. C., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing pedestal for radar antenna. 2,600,513, June 17.

Meincke, A. M., & Son, Inc., assignee: *See*— Yarber, Clifford J.

Meincke, Edward, Summit, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Powder valve. 2,594,786, Apr. 29.

Meinecke, Helmuth A., Grosse Pointe, Mich. Hydraulic valve tappet operable to vary valve-lift and valve-timing. 2,614,547, Oct. 21.

Meinig, Friedrich, Goettingen, Germany. Optical projecting precision balance. 2,582,876, Jan. 15.

Meis, Alfred L., St. Paul, Minn. Tree protector band. 2,593,781, Apr. 22.

Meis, Charles, Shoe Manufacturing Company, The, assignee: *See*— Mallery, Ross W.

Meissner, Harold G., Mount Vernon, and G. P. Jackson, Flushing, assignors to Combustion Engineering-Superheater, Inc., New York, N. Y. Feeder apparatus for spreader stokers. 2,581,037, Jan. 1.

Meissner, Herman P., Watertown, and R. W. Hyde, Arlington, Mass., assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Preparing substantially iron-free ammonium sulfate from spent pickle liquor. 2,584,280, Feb. 5.

Meissner, Joseph A., Grandview, Wash. Combination lift and drawbar for tractors. 2,617,342, Nov. 11.

Meissner, Karl W., New York, N. Y. Stencil printing apparatus. 2,613,596, Oct. 14.

Meissner, William E., East Orange, N. J. Method and apparatus for shaping thermoplastic sheet material. 2,608,720, Sept. 2.

Meissner, William E., Newark, N. J. Flexible tubing. 2,609,002, Sept. 2.

Meites, Gilbert E., assignee: *See*— Ballen, Jacob L.

Mejean, Jacques G., assignor to The Aerotec Corporation, Greenwich, Conn. Electric flasher switch. 2,583,789, Jan. 29.

Mekanä Strip Company, Inc., assignee: *See*— Havely, William J.

Mekelburg, Earl F., Wauwatosa, and W. M. Shallcross, Milwaukee, Wis., assignors to Square D Company, Detroit, Mich. Electric switch. 2,623,136, Dec. 23.

Mekelburg, Earl L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Plug-in contact jaw. 2,604,504, July 22.

Mekler, Lev A., Chicago, Ill. Valve closure. 2,582,877, Jan. 15.

Melamed, Louis, M. U. Greenberg, and I. J. Swartzman, Brooklyn, N. Y. Portable self-contained reading lamp. 2,597,662, May 20.

Melamed, Sidney: *See*— Croxall, Willard J., and Melamed.

Melamed, Sidney, Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Acetonyl alkylbenzyl dialkyl ammonium salts. 2,605,286, July 29.

Melanson, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,617,128, Nov. 11.

Melaro, Rose E., Oakmont, Pa. Apparatus for waving hair. 2,608,194, Aug. 26.

Melcher, Walter P., and H. H. Voels, Chicago, Ill., assignors to The Rauland Corporation. Cathode-ray tube sealing apparatus. 2,580,450, Jan. 1.

Melchior, Albert N. A., assignor to A. C. Cossor Limited, London, England. Universal type spring-pressed binding post. 2,599,006, June 3.

Melchior, Effie B., assignee: *See*— Melchior, Frederick C.

Melchior, Frederick C., assignor of one-half to E. B. Melchior, New York, N. Y. Jet propulsion nozzle. 2,597,253, May 20.

Melchior, Frederick C., assignor of one-half to E. B. Melchior, New York, N. Y. Sensitive control and indicating instrument. 2,603,728, July 15.

Melchor's Incorporated, assignee: *See*— Jones, Willis R.

Meldau, Fred J., Denver, Colo. Beverage carbonating device. 2,600,901, June 17.

Mele, Michael R., Albany, N. Y. Multipurpose hair-waving instrument. 2,602,457, July 8.

Melendy, Norman G., Lowell, assignor to H. E. Fletcher Company, West Chelmsford, Mass. Drill. 2,614,811, Oct. 21.

Melges, Harry, Zenda, Wis. Sail control device. 2,620,760, Dec. 9.

Melhase, Fred: *See*— Woodward, Teynham, and Melhase.

Melin, Thomas N., Los Angeles, Calif. Apron construction for fork lift trucks. 2,621,821, Dec. 16.

Melin, Thomas N., Pasadena, Calif. Apron construction for lift trucks. 2,621,822, Dec. 16.

Meline, Irving, Boston, Mass., assignor to Glenbrooke Manufacturing Company of Connecticut, Incorporated, New Haven, Conn. Plate hanger. 2,604,286, July 22.

Melkon, Onnig D., South Weymouth, Mass. Film magazine. 2,616,634, Nov. 4.

Mell-Hoffmann Mfg. Co., assignee: *See*— Hoffmann, Carl.

Mellard, Prather O., Philadelphia, assignor of one-half to M. M. Marks, Oreland, Pa. Interval timer. 2,590,027, Mar. 18.

Mellen, Glenn L., Framingham Center, assignor to National Research Corporation, Boston, Mass. Velocity metering of gas flow. 2,611,268, Sept. 23.

Mellen, Glenn L., Framingham Center, and V. C. Hall, Jr., West Roxbury, assignors to National Research Corporation, Cambridge, Mass. Selectively demetalizing condenser paper. 2,597,511, May 20.

Mellen, Joseph G., Gulfport, Miss. Storage system for treating material. 2,584,727, Feb. 5.

Meller, Chris F., Booker, Tex. Hook setter for fishing tackle. 2,615,273, Oct. 28.

Meller, Reginald B., Oakland, Calif., assignor to Bemiss-Jason Company. Self-locking folding box. 2,605,955, Aug. 5.

Meller, Reginald B., Oakland, assignor to Bemiss-Jason Company, San Francisco, Calif. Self-locking folding box. 2,617,580, Nov. 11.

Mellert, Allen J., Euclid, assignor, by mesne assignments, to The Carpenter Manufacturing Corporation, Cleveland, Ohio. Fluid fuse. 2,615,675, Oct. 28.

Mellett, Dana S., Dearborn, Mich., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gate valve. 2,584,083, Jan. 29.

Mellin, Curtis F., Chicago, Ill. Artificial fish lure. 2,619,764, Dec. 2.

Melling, Herman W., Jackson, Mich. Cribbage board. 2,620,131, Dec. 2.

Mellinger, George R., Los Angeles, Calif., assignor to North American Aviation, Inc. Balanced control surface. 2,603,436, July 15.

Mellinger, Paul B., Pequea Township, Lancaster County, and M. E. Lehman, Manheim Township, Lancaster County, Pa., said Lehman assignor to said Mellinger. Pole supported fruit gatherer. 2,603,056, July 15.

Mellion, Harvey H., Spring Valley, N. Y. Freezer defroster. 2,583,271, Jan. 22.

Mello, Samuel T.: *See*— Hooz, Benjamin, and Mello.

Mellon National Bank and Trust Company, executor: *See*— James, John L.

Mellon, Russell, Sloatsburg, N. Y. Closure cap for liquid spray containers. 2,586,687, Feb. 19.

Mellor, Adrien R., Loma Linda, Calif. Striking toy. 2,613,475, Oct. 14.

Mellor, Albert: *See*— Ewing, Henry, and Mellor.

Mellor Bromley and Company Limited, assignee: *See*— Shortland, Arthur.

Mellor, Duncan McL., Plainfield, N. J. Money packet. 2,623,632, Dec. 30.

Mellor, Harold C.: *See*— Brown, William, and Mellor.

Mellott, Walter, assignee: *See*— Hoyt, Karl R.

Mellwig, Bernhard J., assignor to Binney & Smith Company, Easton, Pa., and New York, N. Y. Pasty vehicle for artist's paint. 2,594,273, Apr. 29.

Melmar, Incorporated, assignee: *See*— Kramer, Melvin L.

Melnick, Daniel, Teaneck, N. J., assignor to The Best Foods, Inc., New York, N. Y. Food compositions and producing same. 2,598,282, May 27.

Meloy, Eugene J.: *See*— Droeger, Carl C., Meloy, and Roggie.

Meloy, Thomas P., Cambridge, Mass., assignor to Melpar, Inc., Alexandria, Va. X-ray spectrograph. 2,602,142. July 1.

Melpar, Inc., assignee: *See*— Brough, James R. Isaacs, Charles H. Kiser, James L. Meloy, Thomas P. Tuller, William G. Worthen, William L.

Melrose, Robert G., Lloyd Harbor, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Unitary pivot pin or bolt. 2,587,058, Feb. 26.

Melsheimer, Charles A., Oak Park, assignor to John E. Fast & Co., Chicago, Ill. Metallizing process and apparatus. 2,590,557, Mar. 25.

Melstrom, Donald S., Oakland, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Ether esters of glycerol. 2,604,489, July 22.

Meltaner, Harry F., Charlotte, N. C., assignor to Radiator Specialty Company. Flush tank ball valve. 2,589,110, Mar. 11.

Melzer, Frederick A., Gary, Ind. Door latching mechanism. 2,598,582, May 27.

Melzer, Herman M., McKeesport, Pa. Portable loudspeaker heater attachment for drive-in theaters. 2,613,757, Oct. 14.

Melzer, Julius, Bellaire, assignor to American Can Company, New York, N. Y. Mechanism for handling sheets of material. 2,623,773, Dec. 30.

Memlinck, Charles, Utica, Mich. Line protractor. 2,586,074, Feb. 19.

Menaker, George, New York, N. Y. Method of printing and apparatus therefor. 2,622,560, Dec. 23.

Ménard, Paul, Lac des Ecorces, Quebec, Canada. Single pedal for brakes and accelerators. 2,620,050, Dec. 2.

Ménard, Paul H.: *See*— Sédille, Marcel H. L., and Ménard.

Mendels, Irwin J., assignee: *See*— Fay, Joseph W.

Mendelsohn, Benjamin, New York, N. Y. Knitted neckwear. 2,601,772, July 1.

Mendelsohn, Lewis I.: *See*— Goss, James H., Mendelsohn, and Bakke.

Mendelsohn, Lewis I., Lynn, Mass., assignor to General Electric Company. Magnetic suspension for horizontal shafts. 2,582,788, Jan. 15.

Mendelsohn, Lewis I., Lynn, Mass., assignor to General Electric Company. Gauss meter. 2,588,143, Mar. 4.

Mendelsohn, William A., Chicago, Ill. Sunglasses. 2,582,554, Jan. 15.

Mendelson, Charles, New York, N. Y. Portable and manually operable apparatus for the cleaning and/or finishing of carpeted or uncarpeted floors. 2,622,254, Dec. 23.

Mendelson, Charles, New York, N. Y. Sectional ironing board with cover. 2,622,353, Dec. 23.

Mendelson, Hans, Camden, N. J., assignor to Radio Corporation of America. Cover latch for plastic radio cabinets and the like. 2,610,763, Sept. 16.

Mendelson, Hans, Camden, N. J., assignor to Radio Corporation of America. Radio receiver case, including snap-lock fastener. 2,621,286, Dec. 9.

Mendes, Bram, New Rochelle, N. Y. Drafting instrument. 2,594,193, Apr. 22.

Mendez, Alfredo, Chicago, Ill. Chemical heating pad. 2,612,155, Sept. 30.

Mendez, Francisco, and R. O. Almodóvar, assignors to Red Star Mfg. Co. Inc., Santurce, P. R. Blank separator and feeding apparatus. 2,622,459, Dec. 23.

Mendius, Carl, Riverside, Ill. Making strong, hard silica-lime brick. 2,584,604, Feb. 5.

Mendro, Joseph N., Williston, R. L. Callahan, and R. E. Horner, Minot, N. Dak. Tool for checking alignment of transmissions of automotive and like equipment. 2,616,184, Nov. 4.

Meneely Bell Company, assignee: *See*— Meneely, Clinton, and Miller.

Meneely, Clinton, and A. W. Miller, assignors to Meneely Bell Company, Troy, N. Y. Electric bell striking device. 2,585,569, Feb. 12.

Menes, Herman C., Wyckoff, N. J., assignor to Fairchild Camera & Instrument Corporation, Jamaica, N. Y. Making high-frequency transmission line. 2,585,484. Feb. 12.

Menge, Charles, Jersey City, N. J. Tape applying tool. 2,619,248, Nov. 25.

Mengel, Arthur C., Ballston Lake, N. Y. Testing lubricating oil. 2,619,408, Nov. 25.

Mengel Company, The, assignee: *See*— Kramer, Charles.

Menhall, James W., Benton, Ill. Well derrick, rig, and pipe racking apparatus. 2,615,585, Oct. 28.

Menhall, James W., Benton, Ill. Well drilling rig. 2,615,679, Oct. 28.

Menkemeller, Raymond, Cedar Rapids, Iowa, assignor to American Meter Company, Incorporated, Chicago, Ill. Fluid meter. 2,599,514, June 3.

Menkin, Benjamin D., Los Angeles, and F. M. Darling, Pasadena, Calif. Adjustable automatic fluid dispenser. 2,593,591, Apr. 22.

Menkin, Burnett, New York, N. Y. Electrical burglar alarm system. 2,617,868, Nov. 11.

Menlo Research Laboratory, assignee: *See*— Weeks, Charles.

Mennecier, Maurice, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Side wall sample taking apparatus. 2,599,405, June 3.

Mennesson, Marcel, assignor to "Societe d'Applications et de Constructions pour Materiel Automobile (S. A. C. M. A.)," S. A. R. L., Neuilly-sur-Seine, France. Instrument for measuring diameters. 2,620,653, Dec. 9.

Mennesson, Marcel L., assignor to Societe Solex, Neuilly-sur-Seine, France. Speed limiting device. 2,582,052, Jan. 8.

Mennie, John H., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Bridge network. 2,607,827, Aug. 19.

Menough, Paul S., Rocky River, Ohio. Annealing tray. 2,601,980, July 1.

Mention, Maurice, Tapis Vert, Melle, Deux-Sevres, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Polymerizing methyl methacrylate. 2,616,878, Nov. 4.

Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear-finishing method. 2,585,261, Feb. 12.

Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Work holder orienting device. 2,593,687, Apr. 22.

Menze, Frank G., Chicago, Ill. Counting attachment for scales. Re. 23,595, Dec. 9.

Menzel, Donald H., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Photoelectric centering device. 2,604,601, July 22.

Menzi, Karl: *See*— Riat, Henri Anderau, Wegmann, Mayer, and Menzi.

Menzi, Karl, assignor to Ciba Limited, Basel, Switzerland. Trisazo-dyestuffs. 2,622,175, Dec. 16.

Menzies, Clifford G., Iron Mountain, Mich. Transport truck arrangement for hospital beds. 2,599,717, June 10.

Menzies, Stewart D.: *See*— Nogler, Raymond S., and Menzies.

Meohas, Isaac, Long Beach, Calif. Hair clamp. 2,597,254, May 20.

Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, assignee: *See*— Krecan, Jaroslav.

Meopta, national corporation, assignee: *See*— Kadlec, Zdenek, and Dousa.

Mercer, James A., assignee: *See*— Abel, James A., and Mercer.

Mercer, Kenneth K., Houston, Tex., and W. E. Catterall, Elizabeth, N. J., assignors to Standard Oil Development Company. Dehydrating isophorone fatty acid extract. 2,588,268, Mar. 4.

Mercer, Mary C., Midwest, Wyo. Ice-cream scoop. 2,592,720, Apr. 15.

Mercer, Norman J., Brooklyn, N. Y. Child's feeding tray. 2,614,407, Oct. 21.

Mercer, Paul W.: *See*— Abel, James A., and Mercer.

Mercer, Richard, London, England. Telephone system with cyclic route busy test. 2,621,255, Dec. 9.

Merchant, Chester O., assignor to Swanson Tool and Machine Products, Inc., Erie, Pa. Transferring, spacing, and selecting device for aligning workpieces. 2,620,959, Dec. 9.

Merchant & Evans Company, assignee: *See*— Newlin, John S.

Merchant, Jacob B., Red Oak, Iowa. Gate. 2,585,152, Feb. 12.

Merchant, Reuben, Nassau, assignor to Cluett, Peabody & Co., Troy, N. Y. Needle positioning means for sewing machines. 2,604,864, July 29.

Merchants Trust Co., executor: *See*— Reichart, James H.

Mercier, Edward G., New York, N. Y., assignor to General Precision Laboratory Incorporated. Intermittent movement. 2,596,581, May 13.

Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Multiple slide valve and operator therefor. 2,593,047. Apr. 15.

Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Apparatus for removing dust from gases. 2,603,309, July 15.

Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Vapor and gas power plant utilizing equipressure vapor generator. 2,613,495, Oct. 14.

Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Vapor generator. 2,618,247, Nov. 18.

Mercier, Jean: *See*— Greer, Edward M., and Mercier.

Mercier, Jean, New York, N. Y. Flow regulator. 2,583,384, Jan. 22.

Mercier, Marc, Paris, France. Comparing or measuring the constants of electric circuit elements. 2,621,229, Dec. 9.

Mercier, Robert E., Paris, France. Constructional toy element. 2,589,052, Mar. 18.

Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer shaft counterbalancing and indicating apparatus. 2,588,864, Mar. 11.

Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Multirubber tired conveyer idler. 2,596,499, May 13.

Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Cooling means for elevator bearing shafts. 2,607,637, Aug. 19.

Merck & Co., Inc., assignee: *See*—
Brink, Norman G., and Wolf.
Brink, Norman G., and Wood.
Chamberlin, Earl M., and Tishler.
Dunning, Ronald G.
Foster, Jackson W., and McDaniel.
Gakenheimer, Walter C.
Gloss, Gunter H.
Heal, Ralph E.
Hendlin, David.
Hirschmann, Ralph F., and Wendler.
Hoffman, Dorothea H.
Holland, Arnold J.
Holly, Frederick W., Shunk, and Folkers.
Howe, Eugene E., and Tishler.
Jones, Robert E., and Bailey.
Kaczka, Edward A., and Folkers.
Koniuszy, Frank R., Brink, and Folkers.
Mahoney, John F., and Pierson.
Phillips, Richard F.
Phillips, Richard F. and Cates.
Pierson, Earl, and Tishler.
Rasmussen, Ida M., and Rogers.
Sarett, Lewis H.
Sarett, Lewis H., and Beyler.
Schnebel, Verne H.
Stein, Gustav A., and Stevens.
Stein, Gustav A., Vogel, and Valerio.
Walton, Robert B., and Woodruff.
Wilson, Andrew N., and Harris.
Wilson, Evelyn H., and Tishler.
Wissow, Lennard J.
Wolf, Frank J.
Wood, Thomas R., and Hendlin.
Woodruff, Harold B.

Merck, John, Franklin, Pa., assignor to Joy Manufacturing Company. Articulated conveyer take-up. 2,613,800, Oct. 14.

Merck, William A., Rutherford, and M. W. Olson, Allendale, N. J., assignors to United States Rubber Company, New York, N. Y. Plastic tube manufacture. 2,616,126, Nov. 4.

Merco Centrifugal Co., assignee: *See*—
Zimmerman, Albert E.

Mercury Engineering Corporation, assignee: *See*—
Baumgartner, John R.

Meredith, Frederick W., Cricklewood, assignor to S. Smith & Sons (England) Limited, London, England. Apparatus for actuating control surfaces of dirigible craft. 2,607,025, Aug. 12.

Meredith, Frederick W., Cricklewood, assignor to S. Smith & Sons (England) Limited, London, England. Automatic control system for controlling moving craft. 2,619,623, Nov. 25.

Meredith, Frederick W., assignor to S. Smith & Sons (England) Limited, London, England. Automatic control apparatus. 2,607,550, Aug. 19.

Meredith, Frederick W., assignor to S. Smith & Sons (England) Limited, London, England. Automatic control system. 2,611,559, Sept. 23.

Meredith, Frederick W., assignor to S. Smith & Sons (England) Limited, London, England. Automatic control system. 2,620,463, Dec. 2.

Meredith, Frederick W., assignor to S. Smith & Sons (England) Limited, London, England. Automatic control apparatus for aircraft. 2,621,003, Dec. 9.

Meredith, Frederick W., and D. W. Righton, Cricklewood, assignors to S. Smith and Sons (England) Limited, London, England. Fluid pressure operated actuator. 2,605,615, Aug. 5.

Mereniender, Israel, Paris, France. Draining probe. 2,616,429, Nov. 4.

Mergen, Joseph M.: *See*—
Tiedeman, Robert K., Mergen, and Chillson.

Mergenthaler Linotype Company, assignee: *See*—
Becker, William O.
Yufang, Lin.

Merhige, Alexander, and V. J. Luke, New Orleans, La. Tray attachment for motor vehicle instrument panels. 2,621,093, Dec. 9.

Meriam Instrument Company, The, assignee: *See*—
Krieger, Conrad P., Jr.

Meriam, Joseph B., Lakewood, Ohio. Article support and relatively adjustable gas burner. 2,580,939, Jan. 1.

Meriam, Joseph B., Lakewood, Ohio. Flow metering device. 2,621,515, Dec. 16.

Merian, Ernest: *See*—
Kartaschoff, Valentin, and Merian.

Merica, Jonathan R.: *See*—
Otte, Lowell M., and Merica.

Merion, Howard D., West Chester, and H. J. McDermott, Collingdale, Pa., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for producing high tenacity artificial yarn and cord. 2,611,925, Sept. 30.

Merion, Howard D., West Chester, and H. J. McDermott, Collingdale, Pa., assignors to American Viscose Corporation, Wilmington, Del. Producing high tenacity artificial yarn and cord. 2,611,928, Sept. 30.

Merit Engineering, Inc., assignee: *See*—
Stevenson, Robert.

Merkel, Charles M., and T. E. Wright, Leland, Miss., dedicated to the free use of the People in the territory of the United States. Stick remover for seed cotton extracting machines. 2,580,451, Jan. 1.

Merker, Robert L., Washington, D. C., and C. R. Singleterry, Arlington, Va. Lubricant. 2,597,018, May 20.

Merkl, Rupert, Ossining, N. Y. Rodent trap. 2,587,748, Mar.

Merkle, Alfred, East Northport, assignor to American Sealcone Corporation, New York, N. Y. Apparatus for securing a closure supporting ring in the end of a receptacle body. 2,608,914, Sept. 2.

Merkle, Arthur G., assignor to Sherer-Gillett Company, Marshall, Mich. Counter for the cooling, storage, display, and dispensing of meat and other foodstuffs. 2,622,954, Dec. 23.

Merkle, Arthur G., and H. Eldridge, assignors to Sherer-Gillett Company, Marshall, Mich. Adjustable shelf. 2,590,195, Mar. 25.

Merkle, Bernard J., Chicago, Ill. Gear casing. 2,581,123, Jan. 1.

Merklinger, John J., assignor to Philco Corporation, Philadelphia, Pa. Radio apparatus. 2,580,690, Jan. 1.

Merla Tool Corporation, assignee: *See*—
Kagay, Vestal A., and Robison.
Walton, Robert O.

Merles, Antoine J., Paris, France. Positioning device. 2,610,720, Sept. 16.

Merley, Sylvan R., Riverton, and A. Kofoet, Bellmawr, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y. Purifying soaps of fatty acids. 2,597,844, May 27.

Merlin, Alfred G., Cleveland, Ohio. Shoe spike. 2,582,053, Jan. 8.

Mero, Ralph M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for vacunmizing, gassing, and closing containers. 2,583,866, Jan. 29.

Merodian, Yervant E., Boston, Mass. Cutting device. 2,600,067, June 10.

Merola, Anthony, Pittsburgh, Pa. Battery-operated sound signal. 2,608,612, Aug. 26.

Merow, Edward J., Little Valley, assignor to Purity Manufacturing Company, Inc., Cattaraugus, N. Y. Milk weighing and handling apparatus. 2,618,410, Nov. 18.

Merrell, Wm. S., Company, The, assignee: *See*—
Amstutz, Edward D.
Cusic, John W.
Shelton, Robert S.
Shelton, Robert S., and Andrews.
Shelton, Robert S., Farmer, and Tilford.
Shelton, Robert S., and Tilford.
Tilford, Charles H., and Shelton.
Tilford, Charles H., and Van Campen.
Wheeler, Keith W., and Gash.

Merriam, Charles J., Winnetka, Ill., assignor to Chicago Bridge & Iron Company. Storing volatile liquids. 2,601,313, June 24.

Merriam, Charles W., Jr., Taunton, and W. L. Morey, Melrose, Mass. Bearing circle. 2,590,115, Mar. 25.

Merriam, Edmund S., Marietta, Ohio, and F. Squires, Champaign, Ill. Thermal drive method for recovery of oil. 2,584,605, Feb. 5.

Merriam, Edmund S., Marietta, Ohio, and F. Squires, Champaign, Ill. Thermal drive method for recovery of oil. 2,584,606, Feb. 5.

Merriam Manufacturing Company, The, assignee: *See*—
Holder, Arthur, and Niedszwecki.

Merrill, Bennett W., assignor to Standard Packaging Corporation, Chicago, Ill. Article timing and indexing mechanism. 2,619,217, Nov. 25.

Merrill Brothers, assignee: *See*—
Gardner, Edward M.

Merrill, Charles A.: *See*—
Merrill, Wallace D. and C. A.

Merrill, David R.: *See*—
Perry, William A., and Merrill.
Vaughan, James L., and Merrill.

Merrill, Faylon M., Grand Rapids, Mich., assignor to Sackner Products, Inc. Woven fabric adapted for use as upholstery covers and the like. 2,590,995, Apr. 1.

Merrill, Grayson, U. S. Navy. Pilotless aircraft. 2,603,434, July 15.

Merrill, Henry M., assignor to J. P. Seeburg Corporation, Chicago, Ill. Coin controlled credit mechanism. 2,621,770, Dec. 16.

Merrill, Henry M., assignor to J. P. Seeburg Corporation, Chicago, Ill. Coin controlled dispensing machine. 2,621,771, Dec. 16.

Merrill, Josiah L., Jr., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative impedance repeater and loading system. 2,582,498, Jan. 15.

Merrill, Lawrence V.: *See*—
Cahill, Arthur T., and Merrill.

Merrill, Leslie M., trustee assignee: *See*—
Ahlén, Karl G.
Boestad, Gustav K. W.
Boestad, Gustav K. W., and Lindhagen.
Nilsson, Hans R.
Wahlsten, Gösta L. B., and Boestad.

Merrill, Oliver B., Amesbury, Mass. Vehicle window glass run weather or trim strip. 2,619,375, Nov. 25.

Merrill, Patterson D., South Bend, Ind. Film holder. 2,603,017, July 15.

Merrill, Ralph K., A. C. Hoven, and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Folding chair. 2,620,019, Dec. 2.

Merrill, Roland A., Van Nuys, Calif. Pole climber with automatic impact drive. 2,590,338, Mar. 25.

Merrill Trust Company, The, executor: *See*—
Terrill, Delmer D.

Merrill, Wallace D., Monrovia, and C. A. Merrill, Santa Barbara, Calif. Agricultural scaffold. 2,614,893, Oct. 21.

Merriman, Helen R., Riderwood, assignor to The Glenn L. Martin Company, Middle River, Md. Honeycomb structure and making same. 2,608,502, Aug. 26.

Merriman, Henry H., assignor to Aeroquip Corporation, Jackson, Mich. Mechanical connecting means. Re. 23,586, Nov. 18.

Merrington, Robert S.: *See* —
Carlson, Carl S., Merrington, and Biribauer.

Merrion, Earl P., assignor to Townsend Citrus Supply Company, Lake Wales, Fla. Fruit picker's bag. 2,586,974, Feb. 26.

Merrion, Marshel D., assignor of one-half to Geneva Leverett, Brooklyn, N. Y. Page turner. 2,601,047, June 17.

Merritt, Daniel P., Gouverneur, N. Y. Apparatus for maintaining optimum temperatures in motor vehicles. 2,606,298, Aug. 5.

Merritt, Eleanor K., assignee: *See*—
Merritt, William F.

Merritt, Ericsson H., Lockport, N. Y., assignor, by mesne assignments, to Solem Machine Company, Rockford, Ill. Knife and knife holder assembly in veneer cutting machines. 2,607,377, Aug. 19.

Merritt, Ericsson H., Lockport, N. Y., assignor, by mesne assignments, to Solem Machine Company, Rockford, Ill. Pressure bar and pressure bar holder assembly in veneer cutting machines. 2,607,378, Aug. 19.

Merritt, Mortimer M., Santa Barbara, and J. W. Dadisman, San Diego, Calif., said Dadisman assignor to said Merritt. Mileage service indicator for motor vehicles. 2,589,623, Mar. 18.

Merritt, Thomas W., St. Charles, and C. A. Thomas, Lake Forest, Ill., assignors to Babson Bros. Co. Inflation for milkers. 2,604,873, July 29.

Merritt, William F., assignor to E. K. Merritt, Middletown, N. Y. Antiskid device. 2,617,465, Nov. 11.

Merriweather, Arthur E., Los Angeles, Calif. Fishing float. 2,587,190, Feb. 26.

Merrow Machine Company, The, assignee: *See*—
Pierce, Bernard N.
Washburn, John M.

Merry, Clayton B., Alderwood Manor, Wash. Walking cultivator. 2,614,474, Oct. 21.

Merry, Edward C., assignor of one-half to G. M. Turner, Greensboro, N. C. Differential wheel unit for trailers or the like. 2,599,469, June 3.

Merry, Richard C., Oakville, Ontario, Canada. Apparatus for assembling partitions for packing cells. 2,612,085, Sept. 30.

Merryman, Carl, assignor to Dur-O-Lite Pencil Company, Melrose Park, Ill. Drive construction for mechanical pencils. 2,611,342, Sept. 23.

Merryman, Carl, assignor to Dur-O-Lite Pencil Company, Melrose Park, Ill. Mechanical pencil. 2,613,643, Oct. 14.

Mersereau, Everard C., Westfield, N. J., assignor to National Brake Company, Inc., New York, N. Y. Hand brake mechanism. 2,587,059, Feb. 26.

Mersereau, Everard C., Westfield, N. J., assignor to National Brake Company, Inc., New York, N. Y. Hand brake mechanism. 2,618,169, Nov. 18.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,586,368, Feb. 19.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulating system. 2,600,313, June 10.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulating system. 2,608,635, Aug. 26.

Mersman, William: *See*—
Ward, Newton E., Mayer, and Mersman.

Merson, David A., Great Neck, N. Y., and S. R. Bell, Stamford, Conn., assignors to Irving J. Moritt, Brooklyn, N. Y. Miniature lockstitch sewing machine. 2,604,861, July 29.

Merson, David A., Great Neck, N. Y., and S. R. Bell, Stamford, Conn., assignors to Irving J. Moritt, Brooklyn, Miniature power-driven sewing machine. 2,604,862, July 29.

Merten, Eugen, and M. M. Robinson, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Viscosity meter. 2,607,217, Aug. 19.

Mertens, Raymond O.: *See*—
Rinehart, Cleo A., and Mertens.

Mertes, Richard W., assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,623,016, Dec. 23.

Mertz, Fred A., and R. S. Walker, assignors to Traylor Engineering & Manufacturing Company, Allentown, Pa. Barking drum. 2,592,054, Apr. 8.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Metal treatment of oxo alcohols. 2,585,816, Feb. 12.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Controlled distillation of oxo alcohols containing high-boiling impurities. 2,614,128, Oct. 14.

Merullo, Roland A., Revere, Mass. Dispenser for products packaged in collapsible tubes. 2,587,191, Feb. 26.

Merwin, Robert E., Erie, Pa. Magnetic separator. 2,612,268, Sept. 30.

Merz, Max, Seattle, Wash., assignor to Engineering Research, Inc. Chain saw. 2,589,015, Mar. 11.

Mesa, Joseph O., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Electrical apparatus for detecting unbalance in rotating bodies. 2,616,288, Nov. 4.

Mesch, Orwar S. A.: *See*—
Mead, Edward D., and Mesch.

Mesh, Theodore J.: *See*—
Riddle, Roy A., and Mesh.
Tapp, Harry F., and Mesh.

Mesh, William E., Brookfield, assignor to Sperry Products, Inc., Danbury, Conn. Variable angle ultrasonic transducer. 2,602,101, July 1.

Meshberg, Philip, Trumbull, Conn. Cocktail shaker. 2,589,415, Mar. 18.

Mesinger, William F., Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for pumping a volatile liquid. 2,598,816, June 3.

Meske, Wilhelm: *See*—
Goedecker, Jacob, and Meske.

Mesnager, Jacques, Paris, France. Recoiling closure for shelters against heavy explosions. 2,604,672, July 29.

Mesnager, Jacques, Paris, France. Dam. 2,609,666, Sept. 9.

Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Angular modulation. 2,612,634, Sept. 30.

Mess, Arthur G.: *See*—
Branstrator, Wayne P., Rabb, and Mess.

Messer, John S., and D. L. Davis, assignors, by mesne assignments, to Economy Fuse and Manufacturing Co., Chicago, Ill. Fuse. 2,595,688, May 6.

Messerschmidt, Henry L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical test circuit. 2,582,499, Jan. 15.

Messerschmidt, Otto, assignor to Aluminiumwerke Goettingen G. m. b. H., Goettingen, Germany. Insulating handle. 2,600,902, June 17.

Messiah, Philip C., Bronx, N. Y. Thaw drain device for curbs. 2,604,023, July 22.

Messick, George G., assignor of one-fourth to H. E. Beck, Charlotte, N. C. Rotatable display stand. 2,606,664, Aug. 12.

Messick, Kirwan Y., Arlington, Va. Knife adjusting means for power shears. 2,605,836, Aug. 5.

Messler, Albert J., assignor to C. Miller, New York, N. Y. Picnic wagon. 2,603,500, July 15.

Messler, Rudolph J., Providence, R. I. Loom shuttle. 2,581,494, Jan. 8.

Messina, Salvatore, San Jose, assignor to California Packing Corporation, San Francisco, Calif. Machine having divergently related bag supporting conveyer for filling such bags with discrete objects. 2,620,958, Dec. 9.

Messing, Benjamin, Hoboken, N. J. Forming laminated quilted material. 2,621,138, Dec. 9.

Messing, Benjamin, Hoboken, N. J. Laminated sheet material and making such material. 2,621,139, Dec. 9.

Messing, Hjalmar S., assignor to American Defibrator Inc., New York, N. Y. Continuous-flow press for removing moisture from material such as bark, bagasse, peat moss, and the like. 2,615,387, Oct. 28.

Messing, Hjalmar S., New York, N. Y. Treatment chambers for ligno-cellulose material and the like. 2,623,820, Dec. 30.

Messinger, Bernard L., Pacific Palisades, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft heating system. 2,582,842, Jan. 15.

Messinger, Bernard L., Los Angeles, and H. M. Cousins, Tujunga, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft pressurizing and cooling system. 2,585,570, Feb. 12.

Messinger, Lester H., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Retaining device. 2,590,196, Mar. 25.

Messinger, William, Philadelphia, Pa. Eccentric adjustment for roll drive. 2,586,975, Feb. 26.

Messinger, William, Philadelphia, Pa. X-type bearing. 2,607,641, Aug. 19.
Messman, Sidney R., Sandpoint, Idaho. Cylinder type rubber oarlock holder. 2,602,172, July 8.
Mesta Machine Company, assignee: *See*—
Iversen, Lorenz.
Meszaros, George W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,617,087, Nov. 4.
Metal Carbides Corporation, assignee: *See*—
Kaehni, William L., and F. J.
Metal Carrier Corporation, assignee: *See*—
Nadolsky, Isaac, and Morehouse.
Stevenson, Ralph W.
Metal Closures Limited, assignee: *See*—
Webb, Edward T.
Metal Engineering Company, assignee: *See*—
Steine, George J.
Metal Hydrides Incorporated, assignee: *See*—
Alexander, Peter P.
Gibb, Thomas R. P., Jr.
Metal Parts & Equipment Company, assignee: *See*—
Kranc, Casimir.
Metal Products Corporation, assignee: *See*—
Conrad, Owen.
Metal Textile Corporation, assignee: *See*—
Hartwell, Ralf L.
Metal & Thermit Corporation, assignee: *See*—
Church, James M., and Johnson.
Church, James M., Johnson, and Ramsden.
Johnson, Ernest W., and Church.
Richter, Hartmut W.
Metalnsilk Limited, assignee: *See*—
Grantham, Cyril.
Metallic Building Company, assignee: *See*—
Brown, Brinkley B.
Metallizing Engineering Co. Inc., assignee: *See*—
Shepard, Arthur P.
Metalmasters, Inc., assignee: *See*—
Greenberg, Morris, and Lefferdink.
Metals & Controls Corporation, assignee: *See*—
Mawney, Robert G.
Schrumn, Jewett F.
Thomas, Elton K.
Vaughan, Victor G., Schaefer, and Wood.
Volterra, Renzo U.
Williams, Joseph M.
Metalwash Machinery Company, assignee: *See*—
Zademach, Erich R., and Clarke.
Metcalf, Alpha H., Plainville, assignor to L. S. Peterson Company, North Attleboro, Mass. Bracelet. 2,582,878, Jan. 15.
Metcalf, Earl H., Ridgefield Park, N. J. Refillable eraser device. 2,601,544, June 24.
Metcalf, Herbert E., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Two-way sectional read-out tube. 2,618,697, Nov. 18.
Metcalf, Lee A., Fairgrove, Mich. Cultivator attachment. 2,585,669, Feb. 12.
Metcalf, Ruth M., Bremerton, Wash. Knockdown pedestal lawn table. 2,607,648, Aug. 19.
Metcalfe, William K., Long Island City, assignor to J. O. Ross Engineering Corporation, New York, N. Y. Paper-making machine. 2,622,343, Dec. 23.
Met-L-Wood Corporation, assignee: *See*—
Kendrick, John W.
Metra, narodni podnik, assignee: *See*—
Barvitius, František.
Metromatic Products Company, assignee: *See*—
Lofstedt, Jack W.
Metropolitan Device Corporation, assignee: *See*—
Rypinski, Albert B.
Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Burrows, Godfrey.
Metsger, Charles S., Morris Plains, assignor to Bendix Aviation Corporation, Teterboro, N. J. Oil seal for engine starters. 2,594,194, Apr. 22.
Mettenleiter, Michael W.: *See*—
Del Pozo, Albert, Jr., and Mettenleiter.
Mettler, Erhard K., Zollikon (Zurich), and J. Meier, Kusnacht (Zurich), Switzerland. Analytical balance. 2,581,807, Jan. 8.
Mettler, Erhard K., Zollikon Zurich, J. Meier, Kusnacht Zurich, Switzerland. Calculating instrument with optical projection system for magnification. 2,588,269, Mar. 4.
Mettler, Matilda M., Fort Wayne, Ind. Dress. 2,582,643, Jan. 15.
Metz, Charles, Youngstown, Ohio. Captive hoop toy. 2,613,476, Oct. 14.
Metz, Christopher, Baldwin, N. Y. Polarized electromagnetic shuffleboard. 2,585,153, Feb. 12.
Metz, George F., Diamond Point, assignor to Shawinigan Products Corp., New York, N. Y. Molding composition suitable for phonograph records comprising tough polyvinyl acetal resin and petroleum-hydrocarbon insoluble resinous wood extract. 2,599,570, June 10.
Metz, Paul F.: *See*—
Kahn, Bertrand B., and Metz.
Metz, Samuel T., New York, assignor to Treo Co. Inc., Jamaica, N. Y. Girdle. 2,585,262, Feb. 12.
Metzenberg, Robert L.: *See*—
Kidd, Wesley E., and Metzenberg.
Metzger, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Bearing. 2,616,771, Nov. 4.
Metzger, Floyd J., New York, N. Y. Aerosol insecticide bomb. 2,593,165, Apr. 15.
Metzger, George F., assignee: *See*—
Leahy, Patrick T.
Metzger, Henry L., Castleton-on-Hudson, N. Y. Box. 2,596,707, May 13.
Metzger, Henry L., Castleton-on-Hudson, N. Y. Box. 2,610,781, Sept. 16.
Metzger, Leo F., Lakewood, Ohio. Automatic latch grip. 2,611,636, Sept. 23.
Metzger, Leopold H.: *See*—
Fantozzi, Vincent J., and Metzger.
Metzger, Paul, Chicago, Ill. Trolling device. 2,596,269, May 13.
Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Retractable car coupler. 2,584,486, Feb. 5.
Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,585,958, Feb. 19.
Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,591,275, Apr. 1.
Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Closure means for car couplers. 2,614,716, Oct. 21.
Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,617,539, Nov. 11.
Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,617,540, Nov. 11.
Metzler, Charles L.: *See*—
Schladermundt, Peter, and Metzler.
Metzler, Charles L., Palisades Park, N. J., assignor to Gillette Safety Razor Company, Boston, Mass. Blade dispensing magazine. 2,595,280, May 6.
Metzler, Earl G., Latrobe, Pa. Resilient mounting for airplane wings. 2,603,435, July 15.
Metzler, May V., assignee: *See*—
Metzler, William H.
Metzler, Silas J., and R. H. Thayer, Belmont, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Apparatus for testing projectile fuse safety devices. 2,603,970, July 22.
Metzler, William H., assignor of fifty per cent to M. V. Metzler, Stirling, N. J. Reversing attachment for garden tractors. 2,583,272, Jan. 22.
Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. 2,619,365, Nov. 25.
Metzner, Albert W., Dayton, and A. J. Kosul, Troy, assignors to The Standard Register Company, Dayton, Ohio. Autographic register. 2,619,366, Nov. 25.
Meucci, William J., Glenview, Ill. Duck call. 2,604,731, July 29.
Meunier, Roland J., Southbridge, Mass. Dental brush having looped bristles. 2,599,191, June 3.
Meunier, Vincent C.: *See*—
Auten, Robert W., and Meunier.
Meurk, Bengt E.: *See*—
Kennedy, William M., and Meurk.
Mexia Tubing Rotator Company, assignee: *See*—
Williams, William W.
Meydrech, Raymond F., Riverside, assignor to Monark Silver King, Inc., Chicago, Ill. Power-actuated automatic spoke-tightening machine. 2,607,402, Aug. 19.
Meyer, A. F., Mfg. Co., assignee: *See*—
Getz, Benjamin E.
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Axial flow compressor, particularly for combustion gas turbine plants. 2,599,470, June 3.
Meyer, Adolph F., St. Paul, Minn. Valve apparatus. 2,610,648, Sept. 16.
Meyer, Albert W., Nutley, and W. A. Hermonat, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Forming plastisols. 2,600,122, June 10.
Meyer, Alova H., Jr., Melrose, Minn. Electrified gate construction. 2,605,565, Aug. 5.
Meyer, Alva H., Arlington Heights, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Spray booth. 2,583,489, Jan. 22.
Meyer, Arthur E., Flushing, assignor to Fellows Medical Manufacturing Company, Inc., New York, N. Y. Gelatin capsules containing chloral hydrate. 2,585,903, Feb. 19.
Meyer, Arthur E., Flushing, assignor to Fellows Medical Manufacturing Co., Inc., New York, N. Y. Preparing choline salts of bile acids. 2,589,840, Mar. 18.
Meyer, Charles W.: *See*—
Schwartz, Eli P., and Meyer.
Meyer, Curtis E., and W. H. De Vries, assignors to The Upjohn Company, Kalamazoo, Mich. Preparation of vitamin B_{12} concentrates from streptomyces griseus cultures. 2,595,159, Apr. 29.
Meyer, Edwin H., assignee: *See*—
Rosenberg, Dewey W.

Meyer, Edwin L., assignor to Van Dusen and Meyer, Incorporated, Bridgeport, Conn. Liquid measuring and dispensing valve. 2,598,583, May 27.
Meyer, Edwin W.: *See*—
Julian, Percy L., and Meyer.
Julian, Percy L., Meyer and Printy.
Julian, Percy L., Meyer, Schroeder, and Magnani.
Meyer, Ehler, Jersey City, and M. Bassin, Bayonne, N. J. Apparatus for extinguishing fires. 2,616,505, Nov. 4.
Meyer, Elsie: *See*—
Braunwalder, John, and Meyer.
Meyer, Felix, Brussels, Belgium, assignor to Sterling Drug Inc., New York, N. Y. Method and apparatus for manufacture of ampoules and other containers. 2,616,232, Nov. 4.
Meyer, Ferdinand C., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of gentisic acid. 2,588,336, Mar. 11.
Meyer, Frank A., Sharon Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatically and manually controlled servomotor for interceptor valve of turbine and reheater apparatus. 2,586,688, Feb. 19.
Meyer, Frank J., East Orange, N. J. Making adhesive tapes and adhesive units. 2,608,503, Aug. 26.
Meyer, Franklin, Jr., Philadelphia, Pa. Fluid pressure regulator and valve structure thereof. 2,581,429, Jan. 8.
Meyer, Fred, Chicago, Ill. Process and machine for printing upon the open edges of books. 2,603,147, July 15.
Meyer, Fred G., Portland, Oreg. Retail store and check-stand apparatus. 2,604,190, July 22.
Meyer, Friedrich, assignor to Felsa S. A., Grenchen, Switzerland. Calendar timepiece. 2,582,879, Jan. 15.
Meyer, Friedrich, assignor to Felsa S. A., Grenchen, Switzerland. Timepiece automatic winding mechanism. 2,593,688, Apr. 22.
Meyer, Friedrich, assignor to Felsa S. A., Grenchen, Switzerland. Double winding for horological movements. 2,620,619, Dec. 9.
Meyer, Friedrich, assignor of Felsa S. A., Grenchen, Switzerland. Timepiece with automatic and manual winding mechanism. 2,620,620, Dec. 9.
Meyer, Geo. J., Manufacturing Company, assignee: *See*—
Carter, Sidney T.
Keil, Clarence E.
Meyer, George L. N.
Meyer, George L. N., Milwaukee, Wis. Filler valve with automatic and emergency cutoff. 2,597,943, May 27.
Meyer, George L. N., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Filler valve. 2,621,845, Dec. 16.
Meyer, Gerhard, assignor to Lane-Wells Company, Los Angeles, Calif. Control device for well tools. 2,618,342, Nov. 18.
Meyer, Hans: *See*—
Thommen, Hans, and Meyer.
Meyer, Hans, Renens, Switzerland, assignor, by mesne assignments, to Brown & Sharpe Manufacturing Company, Providence, R. I. Internal micrometer caliper. 2,604,703, July 29.
Meyer, Hans, Richmond, England, assignor, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. Treating yellowish or off-white materials to obtain a white appearance using umbelliferone or methyl umbelliferone. 2,590,485, Mar. 25.
Meyer, Harry R., Santa Barbara, Calif. Apparatus for lubricating internal-combustion engines. 2,587,060, Feb. 26.
Meyer, Henry A., St. Louis, Mo. Torque converter. 2,587,503, Feb. 26.
Meyer, Henry C. A., Syracuse, N. Y. Instant liquid heater. 2,616,023, Oct. 28.
Meyer, Herbert, and B. M. Walkey, Los Angeles, assignors to Motion Picture Research Council, Inc., Hollywood, Calif. Strippably mounting paper on a wall panel and product. 2,608,504, Aug. 26.
Meyer, Herbert G., Los Angeles, assignor to Surgident, Ltd., East Los Angeles, Calif. Dental impression compositions. 2,623,808, Dec. 30.
Meyer, Herman, Long Beach, Calif. Portable packoff tool for tubing. 2,580,573, Jan. 1.
Meyer, Herman, Long Beach, Calif. Leakage tester for threaded pipe couplings. 2,587,192, Feb. 26.
Meyer, Hugo H. M., Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Oil vaporizer. 2,593,166, Apr. 15.
Meyer, Jean G. A. M. J., Neuilly-sur-Seine, and R. L. Rambert, Gonesse, assignors to the Society S. A. T. A. M. Societe Anonyme pour tous Appareillages Mecaniques, La Courneuve, France. Fluid measuring and dispensing apparatus. 2,590,440, Mar. 25.
Meyer, Jean G. A. M. J., Neuilly-sur-Seine, assignor to S. A. T. A. M. Societe Anonyme pour tous Appareillages Mecaniques, La Courneuve, France. Variable ratio transmission. 2,600,562, June 17.
Meyer, Jean G. A. M. J., Neuilly sur Seine, assignor to Societe Anonyme pour tous Appareillages Mecaniques, La Courneuve, France. Distributor for fluid meters. 2,603,971, July 22.
Meyer, Jerome C., Bladensburg, Md. Automatic control device for the electrical systems of motor vehicles. 2,606,626, Aug. 12.
Meyer, Joe D., Parkersburg, Iowa. Surgical truss. 2,609,816, Sept. 9.
Meyer, John G.: *See*—
Larsen, Einer W., and Meyer.
Meyer, John H., Rutherford, N. J. Floor chipping machine. 2,606,012, Aug. 5.
Meyer, John J.: *See*—
Winslow, Charles A., and Meyer.
Meyer, John J., New York, N. Y. Glass and dish breakage protector for sinks. 2,583,702, Jan. 29.
Meyer, John V.: *See*—
Aschner, Thomas C., and Meyer.
Meyer, Jules: *See*—
Ackermann, Frans, and Meyer.
Meyer, Jules, assignor to Ciba Limited, Basel, Switzerland. Manufacture of addition products of hydrocyanic acid and acrylic acid nitrile. 2,623,882, Dec. 30.
Meyer, Leo J., San Antonio, Tex. Nut-cracking machine. 2,622,642, Dec. 23.
Meyer, Leonard S.: *See*—
Howald, Arthur M., and Meyer.
Meyer, Leonard S., Newark, Ohio. Printing roller testing device. 2,617,356, Nov. 11.
Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Polystyrene plastics containing resorcinol monobenzoate. 2,592,310, Apr. 8.
Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl chloride plastics containing resorcinol monobenzoate. 2,592,311, Apr. 8.
Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Self-extinguishing cellulose acetate molding compositions. 2,618,568, Nov. 18.
Meyer, Maximilian C., Brooklyn, N. Y. Pin and clasp for jewelry. 2,594,475, Apr. 29.
Meyer, Maximilian C., and F. Cherry, Brooklyn, N. Y., assignors to Richelieu Corporation. Bead coating machine. 2,601,307, June 24.
Meyer, Percy, assignor to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,606,141, Aug. 5.
Meyer, Peter W., Noroton Heights, and M. R. Riola, Bridgeport, assignors to Deering Milliken Research Trust, Greenwich, Conn. Step-by-step operated partial revolution wrench. 2,602,361, July 8.
Meyer, Richard R., Sacramento, Calif. Retaining attachment for shower curtains. 2,608,250, Aug. 26.
Meyer, Royal L., Willoughby, assignor to The Swartwout Company, Cleveland, Ohio. Valve. 2,598,187, May 27.
Meyer, Rudolf H. M., and F. J. F. van der Plas, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Preparation of trichloroethane. 2,621,153, Dec. 9.
Meyer, Siegfried, New York, N. Y. Traveling case for shoes. 2,609,897, Sept. 9.
Meyer, Sven F. E., assignor to Svenska Lasmutter Aktiebolaget, Stockholm, Sweden. Timing device. 2,583,434, Jan. 22.
Meyer, Walter R.: *See*—
Siekmann, Harold J., and Meyer.
Meyer, Walter R., assignor to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Crankshaft chuck. 2,620,699, Dec. 9.
Meyer, Walter R., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Work handling apparatus for machine tools. 2,623,429, Dec. 30.
Meyer, Walter W., Arlington Heights, assignor to Rotary Seal Company, Chicago, Ill. Shaft seal. 2,583,867, Jan. 29.
Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle and attachment therefor. 2,616,118, Nov. 4.
Meyers, Albert E., Bridgeport, Conn., assignor of one-half to W. F. Ames, South Weymouth, Mass. Slidable bar ratchet wrench. 2,594,964, Apr. 29.
Meyers, Charles O.: *See*—
Maher, Joseph L., and Meyers.
Meyers, Donald N., Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Rotor blade. 2,596,818, May 13.
Meyers, F. E., & Bro. Co., The, assignee: *See*—
Conery, William J.
Meyers, Fred N., Andover, assignor to The H. N. White Company, Cleveland, Ohio. Valve for wind instruments. 2,612,811, Oct. 7.
Meyers, George L., Willoughby, and J. C. Shutt, Wickliffe, assignors, by mesne assignments to The Ohio Rubber Company, Willoughby, Ohio. Sleeve type fastening device for resilient plastic articles and the like. 2,590,264, Mar. 25.
Meyers, George L., Willoughby, and J. C. Shutt, Wickliffe, assignors to The Ohio Rubber Company, Willoughby, Ohio. Resilient member and fastening device therefor. 2,596,780, May 13.
Meyers, Henry, Norwalk, Conn. Handbag. 2,582,447, Jan. 15
Meyers, Henry W., East Detroit, Mich. Machine for cutting and grooving bottoms of tenpins. 2,622,639, Dec. 23.
Meyers, Irving J., Richmond, Va. Traveling case cover. 2,617,504, Nov. 11.

Meyers, John V., San Dimas, assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Vehicle construction for hauling bulk material. 2,616,758, Nov. 4.

Meyers, Louis G., New York, N. Y. Bookmark. 2,610,074, Sept. 9.

Meyers, Morris, assignor of one-half to J. J. Ohlis, Chicago, Ill. Explosion-type mounting for windows. 2,621,377, Dec. 16.

Meyers, Otto B., Quakertown, Pa., assignor to Markem Machine Company, Keene, N. H. Device for removing individual sheets from a stack. 2,600,068, June 10.

Meyers, Roy L., Janesville, Wis. Milk can rack. 2,620,073, Dec. 2.

Meyers, Sidney E., New York, N. Y., assignor, by meane assignments, to Continental Foundry & Machine Company, East Chicago, Ind. Valve mechanism for soot blowers. 2,590,441, Mar. 25.

Meyfarth, Herbert J.: *See*—
Sower, George W., and Meyfarth.

Meynig, Robert E., La Porte, Tex. Removing paraffin from wells. 2,588,554, Mar. 11.

Meyrick, Thomas J.: *See*—
Coffey, David H., Edgar, Meyrick and Watts.

Meys, Johan M.: *See*—
Kayser, Guillaume M. A., Meys, and van Dijk.

Meystre, Charles: *See*—
Miescher, Karl, and Meystre.
Wettstein, Albert, and Meystre.

Meystre, Charles, and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 21-halocholadienes. 2,599,007, June 3.

Mezger, Bernard J.: *See*—
Loos, Robert A., Mesger, and Modrovsky.

Miao, Thomas, Shanghai, China. Venetian blind slat. 2,603,286, July 15.

Micafil A.-G., assignee: *See*—
Brãm, Alfred.
Liechti, Albert.

Micha, Louis, Rue Augustin Vento, Principality de Monaco. Cordless telephone switchboard with interlocks. 2,613,281, Oct. 7.

Michael, Evalina E., assignee: *See*—
White, Felix L.

Michael, Henry J.: *See*—
Busch, Aloysius J., and Michael.

Michael, Henry J., Mineola, N. Y., and W. Whitney, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse conversion system. 2,596,584, May 13.

Michael, Pierre L., Houston, Tex. Billboard frame molding. 2,603,014, July 15.

Michael, Pierre L., and K. L. Robison, Houston, Tex. Billboard construction. 2,599,129, June 3.

Michael, Robert J.: *See*—
Chamberlain, Nugent F., and Michael.

Michael, Vernon H., Loveland, Ohio. Concrete block molding machine. 2,602,981, July 15.

Michael, Vesta F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Azeotropic distillation of ketone-containing alcohols. 2,617,757, Nov. 11.

Michael, Vesta F., assignor to Wood River Oil & Refining Co., Inc., Wichita, Kans. Purification of phenolic acids. 2,606,936, Aug. 12.

Michael, Vesta F., Wichita, Kans., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Purifying synthetic oil-soluble carboxylic acids. 2,615,912, Oct. 28.

Michaelis, Wolfgang M., assignor to The General Electric Company Limited, London, England. Apparatus for generating repeated electric pulses. 2,585,817, Feb. 12.

Michaels, Adial E., Cranford, and N. V. Hakala, Rahway, N. J., assignors to Standard Oil Development Company. Lubricating oil additives. 2,602,048, July 1.

Michaels, Edwin B.: *See*—
Machlis, Samuel, and Michaels.

Michaels, Edwin B., Stamford, Conn., and S. Machlis, New Rochelle, N. Y. Heat-resistant nylon cloth produced by reaction with quinones. 2,597,163, May 20.

Michaelson, Stanley D., and W. S. Springer, Birmingham, Ala., assignors to United States Steel Company. Proportioning distributor for mineral pulp or the like. 2,610,646, Sept. 16.

Michal, Joseph, Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Permanent-signal indicating system. 2,591,579, Apr. 1.

Michal, Joseph, Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Special trunk circuits for transmitting tones to calling subscribers. 2,591,580, Apr. 1.

Michard, Louis M., Fontenay Aux Roses, assignor to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Engine cowl for aircraft. 2,597,663, May 20.

Michatek, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic round head screw stick driver. 2,589,016, Mar. 11.

Michaudet, Alfred, assignor to Les Produits Du Lynx Jaune, Reims, Marne, France. Flexible, extensible, and compressible tube with regular passage section. 2,622,623, Dec. 23.

Michaux, William W., Jr., Richmond, Va. Load-handling attachment for lift trucks. 2,599,855, June 10.

Michaux, William W., Jr., Richmond, Va. Automatic feeder and transfer mechanism for tobacco ordering machines. 2,612,982, Oct. 7.

Michel, Daniel, Chicago, Ill. Container closure member having a dispensing valve therein. 2,612,293, Sept. 30.

Michel, Josef M., and K. F. Hager, Fort Bliss, Tex., assignors to the United States of America as represented by the Secretary of the Army. Protecting metals against corrosion. 2,602,760, July 8.

Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Electronic relay. 2,584,728, Feb. 5.

Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Audio-frequency amplifier. 2,599,271, June 3.

Michel, Ralph, Chicago, Ill. Street sign. 2,596,582, May 13.

Michelet, Marcel, Paris, France, assignor to Welding Research, Inc., Chicago, Ill. Welding system. 2,602,155, July 1.

Michelich, John E., Auburn, Ill. Valve silencer. 2,619,946, Dec. 2.

Michelman, Nathan, Brooklyn, N. Y. Driving mechanism for rolling doors and the like. 2,622,452, Dec. 23.

Michels, Bernard H.: *See*—
Charters, George W., and Michels.

Michels, Walter C., Strafford, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic frequency eliminating apparatus. 2,609,446, Sept. 2.

Michelsen, Henry, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Mounting for slidable members. 2,607,636, Aug. 19.

Michelsen, William O.: *See*—
Veltman, John C., and Michelsen.

Michiana Products Corporation, assignee: *See*—
Klouman, Henning and Nygren.

Michie, James T.: *See*—
Harmon, Robert R., and Michie.

Michigan Tool Company, assignee: *See*—
Razor, George C.

Michon, Jacques B. M., assignor to La Cellulose Du Pin, Paris, France. Pulping process. 2,582,054, Jan. 8.

Michnoff, David, Brooklyn, N. Y. Key retainer. 2,600,563, June 17.

Mickel, Allen W., Camden, N. J., assignor to Kaumagraph Company. Transfer iron. 2,620,427, Dec. 2.

Mickelson, Lloyd J., St. Clair Shores, Mich., assignor to C. Miller, New York, N. Y. Fishing lure. 2,590,558, Mar. 25.

Mickle, Alex T.: *See*—
Frost, Jack, Mickle, and Pettey.

Microfilming Corporation of America, assignee: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.

Micromatic Hone Corporation, assignee: *See*—
Kline, John E.
Peden, Douglas T.
Peden, Douglas T., and Kline.

Micromax, Inc., assignee: *See*—
Robinson, Thomas.

Micronizer Company, The, assignee: *See*—
Trost, Conrad.

Micro-Poise Engineering and Sales Company, assignee: *See*—
Lannen, Joseph P.
Lannen, Robert J.

Micro Processing Equipment Inc., assignee: *See*—
Marshall, Donald E.
Marshall, Donald E., Harrington, and Crane.

Micro Recording Company, assignee: *See*—
Lee, Robert H.

Midas, Beatrice H., Chicago, Ill. Tufting needle. 2,610,598, Sept. 16.

Mid-Continent Supply Company, Inc., assignee: *See*—
Helm, Clyde D.

Middendorf, Leonard, Frankfurt (Main)-Hoechst, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt (Main), Germany. Choline preparations. 2,581,038, Jan. 1.

Middlemark, Marvin P., Woodside, N. Y. Television and high-frequency antenna systems. 2,585,670, Feb. 12.

Middlemark, Marvin P., Woodside, N. Y. Selective direction television and high-freqeuncy antenna system. 2,609,503, Sept. 2.

Middlestadt, Fred J., assignor to J. B. Waller, Baltimore, Md. Bottle carrier. 2,616,602, Nov. 4.

Middleton, Burton E., Hatfield, assignor to The Econotool Company, Jenkintown, Pa. Cutting tool. 2,595,090, Apr. 29.

Middleton, Carl W., Larchmont, and E. F. Middleton, New Rochelle, N. Y. Display container. 2,591,276, Apr. 1.

Middleton, Donald R., assignee: *See*—
Bixby, William H.

Middleton, Earl F.: *See*—
Middleton, Carl W. and E. F.

Middleton, John L., Jr., assignee: *See*—
Lawrance, Richard B., and Middleton.

Mided, Louis, and H. C. Gorden, assignors to Good Manufacturing Company, Inc., Chicago, Ill. Jointed fluorescent lamp fixture which may be collapsed for shipment. 2,588,144, Mar. 4.

Midgage Models, Inc., assignee: *See*—
Stewart, Willis G.

Midgette, Ernst L., assignor to American Engineering Company, Philadelphia, Pa. Pump. 2,612,837, Oct. 7.

Midgley, Albert H., Moor Park, Northwood, England. Time switch. 2,603,287, July 15.

Midgley, Albert H., Northwood, England. Synchronous electric motor. 2,620,450, Dec. 2.

Midland Dynamo Company Limited, The, assignee: *See*—
Starfield, Cyril P.

Midland Engineering Company, assignee: *See*—
Warhol, Peter.

Midland Tar Distillers Limited, The, assignee: *See*—
Scott, Roland, and Joscelyne.

Midlock, Bernard J.: *See*—
Barker, John L., and Midlock.

Mid-West Bottle Cap Co., assignee: *See*—
Sonnenberg, Rudolph.

Midwest Engineering & Equipment Co., assignee: *See*—
Watkins, John E.

Mid-West Heat Service, assignee: *See*—
Mautner, Henry M., and Weiss.

Midwest Metal Stamping Co., assignee: *See*—
Holmdahl, Arthur C.

Miegel, Ralph E.: *See*—
Marvel, Carl S., and Miegel.

Miegel, Ralph E., Elsmere, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Solutions of homopolymers of certain optically active alpha-amino acids in polychloro- and poly fluoro-acetic acids. 2,612,487, Sept. 30.

Mieher, Walter W.: *See*—
Holschuh, Carl G., White, Mieher, and Shepherd.

Miehle Printing Press and Manufacturing Company, assignee: *See*—
Grossarth, Albert A.
Jacobson, Arthur G.
Peyrebrune, Henri E.

Mierns, Merritt A., Detroit, and A. F. Millington, Northville, assignors to Novi Equipment Company, Novi, Mich. Automobile heater structure. 2,586,689, Feb. 19.

Mierendorf, Robert C.: *See*—
Anger, Ernest G., and Mierendorf.

Mierley, George M., Havertown, and H. W. Semar, Drexel Hill, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing support. 2,603,540, July 15.

Mierley, George M., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine bearing support structure. 2,616,662, Nov. 4.

Miers, Archie M., Croton-on-Hudson, N. Y., assignor to Chrysler Corporation, Highland Park, Mich. Brake beam balancing link. 2,588,645, Mar. 11.

Miers, Archie M., Croton-on-Hudson, N. Y., assignor to Chrysler Corporation, Highland Park, Mich. Brake rigging. 2,613,766, Oct. 14.

Mies, Alexander G., Alhambra, and T. S. Pflueger, Altadena, Calif.; said Mies assignor to said Pflueger. Transmission for fishing reels. 2,615,352, Oct. 28.

Miescher, Karl, Riehen, and J. R. Billeter, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Ketohalogenodimethylperhydrophenanthrenes and making same. 2,590,636, Mar. 25.

Miescher, Karl, Riehen, L. Ehmann, and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Direct halogenation of steroids with an unsaturated side chain in 17-position and the dehydrohalogenation of resultant products. 2,590,637, Mar. 25.

Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 2-cyclohexyl and 2-cyclohexylidene-1-(3-piperidino-propyl)-cyclohexanols. 2,590,638, Mar. 25.

Miescher, Karl, Riehen, and P. Wieland, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. β-naphthyl-(2)-β-alkyl-2,α-dialkyl-propionic acids and esters thereof. 2,595,200, Apr. 29.

Miescher, Karl, Riehen, and P. Wieland, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Production of compounds of the androstane series. 2,598,648, May 27.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Octahydrophenanthrene carboxylic acid esters and making same. 2,599,471, June 3.

Miescher, Karl, Riehen, and E. Urech, Binningen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. α-Phenylamino-propionic acid amidine and its salts. 2,613,225, Oct. 7.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Isomerization of 1-keto-2-alkyl-octahydrophenanthrene-2-carboxylic acid esters. 2,621,206, Dec. 9.

Miescher, Karl, Riehen, J. Heer, J. Billeter, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hexahydrophenanthrene carboxylic acid esters and process. 2,621,208, Dec. 9.

Miescher, Karl, Riehen, J. Heer, J. Billeter, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hexahydrophenanthrene carboxylic acids. 2,621,210, Dec. 9.

Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Compounds of the cyclopentanopolyhydrophenanthrene series and making same. 2,623,885, Dec. 30.

Miesner, Martin D., Berkeley, Calif. Folding bed. 2,605,480, Aug. 5.

Miessmer, Emil: *See*—
Bucknell, William H., and Miessmer.

Miessner, Benjamin F., Morristown, N. J. Antileak fountain pen. 2,597,664, May 20.

Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding Township, Morris, County, N. J. Apparatus for production of music. 2,594,967, Apr. 29.

Miessner Inventions, Inc., assignee: *See*—
Miessner, Benjamin F.

Mietzsch, Fritz: *See*—
Behnisch, Robert, Mietzsch, and Schmidt.
Schmidt, Hans, Behnisch, and Mietzsch.

Mighton, Charles J., Madelyn Gardens, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated products and adhesive compositions of matter. Re. 23,451, Jan. 15.

Miglarese, John, Cincinnati, Ohio, assignor to The United States Leather Company, New York, N. Y. Manufacture of syntans. 2,597,809, May 20.

Mihara, Tetsuo: *See*—
Baldwin, Henry J., A. N., and Mihara.

Mika, Thomas F.: *See*—
Tess, Roy W. H., and Mika.

Mikay Optical Company, assignee: *See*—
Kidzus, Michael F., and Kaye.

Mikeska, Louis A.: *See*—
Lippincott, Samuel B., and Mikeska.
Matheson, George L., and Mikeska.
Smith, Paul V., Jr., Mikeska and Popkin.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Pour depressants. 2,586,690, Feb. 19.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Water-soluble surface active agents from olefin polymers. 2,600,415, June 17.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Salt of n thiuronium base and an acid of phosphorus. 2,605,278, July 29.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Preparation of dicarboxylic acids from saturated monocarboxylic acids. 2,614,122, Oct. 14.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Antistripping agents for asphalts. 2,623,831, Dec. 30.

Mikeska, Louis A., Westfield, and L. T. Eby, Linden, N. J., assignors to Standard Oil Development Company. Polyether-alcohols containing thioether side chains. 2,619,508, Nov. 25.

Miketta, C. A., assignee: *See*—
Crickmer, Charles S.

Mikina, Stanley J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Helicopter control system. 2,597,164, May 20.

Mikina, Stanley J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frictional gear mechanism. 2,583,790, Jan. 29.

Mikkelsen, Adolph E., Fox River Grove, assignor to Inland Wallpaper Company, Chicago, Ill. Machine for coating web material. 2,622,558, Dec. 23.

Mikkelson, Ole W., Sr., Sioux Falls, S. Dak. Toy repeating rubber band gun. 2,610,619, Sept. 16.

Mikolas, Franz, Vienna, Austria. Blind stitch sewing machine. 2,618,232, Nov. 18.

Mikolay, Raymond M., Chicago, Ill., assignor to Tybond Tool Engineering Company. Cap discharge device. 2,611,999, Sept. 30.

Mikolic, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Wire-wound tangential telemetric transmitter. 2,599,406, June 3.

Mikolic, Charles R., and G. D. Beling, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electromagnet with removable armature guide of hard material. 2,599,856, June 10.

Mikulas, William, Staten Island, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Slide fastener. 2,622,295, Dec. 23.

Mikulic, Milos N., Jackson County, Mo. Cleaning accessory for radiator systems. 2,582,880, Jan. 15.

Milam, William A., Longview, Tex. Decoy spreader. 2,616,200, Nov. 4.

Milano, Peter J., Salt Lake City, Utah. Time and humidity controlled fluid dispensing system. 2,612,901, Oct. 7.

Milans, Serafin J., Montevideo, Uruguay. Airplane with variable incidence slotted wing and arrowlike behavior about the lateral axis. 2,587,359, Feb. 26.

Milbourn, Thomas H., Alston, England. Machine for harvesting potatoes and other root crops. 2,601,412, June 24.

Milbrath, Arthur F., assignor to Wisconsin Motor Corporation, Milwaukee, Wis. Internally ribbed manifold for multicylinder internal-combustion engines. 2,587,360, Feb. 26.

Milburn, John R., assignee: *See*—
Pierce, Ernest P.

Milburn, Robert, London, England, assignor, by mesne assignments, to General Register Corporation, Long Island City, N. Y. Electric impulse collecting and registering installation. 2,592,312, Apr. 8.

Milcent, Robert, Paris, France, assignor, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Contrivance for the placing of sanitary cotton pads. 2,607,346, Aug. 19.

Mildner, Raymond C., Oxhey, assignor to Telegraph Construction and Maintenance Company Limited, London, England. Manufacture of insulation for coaxial cables. 2,599,857, June 10.

Miles, Alfred M., Spartanburg, S. C. Fluorescent street lighting system. 2,610,310, Sept. 9.

Miles, George, assignee: *See*—
Wallis, Grover.

Miles, George N., Orangeburg, N. Y., assignor to General Electric Company. Automatic electric range control. 2,623,976, Dec. 30.

Miles, James, Los Angeles, Calif. Ladder bracket for supporting paint pails. 2,601,413, June 24.

Miles, James G., Sidney, N. Y. Vacuum tube characteristic tracer. 2,612,626, Sept. 30.

Miles, John A., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Guide for centrifugal spinning. 2,603,939, July 22.

Miles, John C., Urbana, Ill., assignor to The University of Illinois Foundation. Coal stove. 2,601,314, June 24.

Miles, John R., assignor to M. S. Wolk, Chicago, Ill. Slide viewer and dispenser. 2,621,993, Dec. 16.

Miles, John R., Des Plaines, assignor to Chicago Aerial Survey Company, Chicago, Ill. Optical system for objectives and eyepieces. 2,603,128, July 15.

Miles Laboratories, Inc., assignee: *See*—
Hanson, Carl V., Jr.

Miles, Lawrence D., Baltimore, Md. Nipple and dispensing device. 2,584,359, Feb. 5.

Miles, Russell W., Waverly, Iowa. Nest guard. 2,621,627, Dec. 16.

Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly. 2,582,144, Jan. 8.

Mileski, William J., Norwich, Conn. Manufacture of leakproof inner tubes. 2,581,767, Jan. 8.

Mileti, Joseph A., Jr.: *See*—
Bayuk, Robert R., and Mileti.

Miley, Hunter, Petrolia, Pa., assignor to L. Sonneborn Sons., Inc. Rotary kiln for the recovery of acid values. 2,587,639, Mar. 4.

Miley, Hunter, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Recovery of acid values from petroleum refining sulfuric acid sludges. 2,587,640, Mar. 4.

Milford, Francis H., Syracuse, N. Y. Vane type hydraulic clutch or coupling. 2,613,779, Oct. 14.

Milford Shoe Co., assignee: *See*—
Sherbrook, Victor A.

Milkweed Products Development Corporation, assignee: *See*—
Berkman, Boris.

Milla, Alford J., Fresno, Calif. Agricultural implement. 2,591,851, Apr. 8.

Millar, John R., Reno, Nev., R. J. Stack, Grosse Pointe, and C. J. Davies, assignors to National Automotive Fibres, Inc., Detroit, Mich. Apparatus for producing seat pads. 2,582,449, Jan. 15.

Millar, John R., Reno, Nev., R. J. Stack, Grosse Pointe, and C. J. Davies, assignors to National Automotive Fibres, Inc., Detroit, Mich. Seat cushion construction. 2,621,712, Dec. 16.

Millar, Warren G., assignor to Filtaire Products, Inc., Springfield, Ill. Oil removal apparatus. 2,609,890, Sept. 9.

Millard, Arthur C., Plainfield, N. J., and O. C. Morrill, Bronxville; said Millard assignor to Bell Telephone Laboratories, Incorporated, and said Morrill assignor to O. C. and A. H. Morrill, co-partners, doing business as Morrill and Morrill, New York, N. Y. Torque measuring tool. 2,607,219, Aug. 19.

Millard, Arza E., Dayton, Ohio. Activated sign. 2,610,424, Sept. 16.

Millard, Harper, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap action device. 2,600,564, June 17.

Millard, Julien, assignee: *See*—
Picard, Lucien.

Millard, Lee P., Chicago, Ill., assignor to International Harvester Company. Drive mechanism. 2,600,416, June 17.

Millatt, Edwin G.: *See*—
Johnson, Arthur, and Millatt

Millen, Ben, Cleveland, Ohio. Resettable circuit breaker. 2,615,963, Oct. 28.

Millen, Stanley S., Glendale, Calif. Hand truck. 2,607,606, Aug. 19.

Miller, Abba, Cleveland, Ohio. Towel washing and ironing machine. 2,609,623, Sept. 9.

Miller, Adam E., Baltimore, Md. Mounting chassis for electrical and electronic circuit elements. 2,583,586, Jan. 29.

Miller, Albert A.: *See*—
Wilson, Andrew G., and Miller.

Miller, Albert E., Lakeside, Ohio. Protective device for lubricant fittings. 2,599,472, June 3.

Miller, Albert F., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Dispenser for delivering a series of individual containers at one time. 2,618,394, Nov. 18.

Miller, Alfred J., Garwood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid control system. 2,580,691, Jan. 1.

Miller, Alfred J., Garwood, W. C. Weidner, Cranford, and J. Kolody, Basking Ridge, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, Selector valve mechanism. 2,608,212, Aug. 26.

Miller, Alfred L.: *See*—
McFarlane, Samuel B., Jr., and Miller.

Miller, Alf W.: *See*—
Meneely, Clinton, and Miller.

Miller, Alvin J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination high and low pressure absorption process. 2,608,516, Aug. 26.

Miller, Anna H., Hickory, N. C. Ventilated console. 2,618,076, Nov. 18.

Miller, Anthony: *See*—
Crawford, Clark A., and Miller.

Miller, Arthur E., Milwaukee, R. F. Lindow, Wauwatosa, and S. Shaffer, Jr., assignors to Chain Belt Company, Milwaukee, Wis. Finishing machine for concrete slabs. 2,603,132, July 15.

Miller, Arthur J., Teaneck, N. J., assignor to Republic Pictures Corporation, New York, N. Y. Apparatus for treating sound tracks of color film. 2,600,565, June 17.

Miller, Arthur W., Milwaukee, Wis. Can opener. 2,593,329, Apr. 15.

Miller, August A., Springfield, Ohio. Tire lifter with fulcrum element. 2,619,320, Nov. 25.

Miller, Avy L., North Hollywood, Calif. Safety control valve for gas burners. 2,599,063, June 3.

Miller, Avy L., North Hollywood, and R. V. Glertz, assignors to Mission Appliance Corporation, Los Angeles, Calif. Combination main and pilot valve. 2,616,494, Nov. 4.

Miller, Barnet, Hartford, Conn. Level and inclinometer. 2,596,422, May 13.

Miller, Benjamin H.: *See*—
Fletcher, James, Miller, and Selnick.

Miller, Bernard, Sheffield, England. Making knife blades. 2,584,470, Feb. 5.

Miller, Boyd R., and J. Gobatti, Pueblo, Colo. Rod weeder attachment for cultivators. 2,596,270, May 13.

Miller, Carl, assignee: *See*—
Messler, Albert J.
Michelson, Lloyd J.

Miller, Carroll D.: *See*—
Becker, Francis N., and Miller.

Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Multiple spindle lathe. 2,614,446, Oct. 21.

Miller, Carroll E., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Adjustable end working tool mechanism for lathes. 2,621,395, Dec. 16.

Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Tool slide actuating mechanism. 2,621,522, Dec. 16.

Miller, Cecil: *See*—
Snyder, Paul L., and Miller.

Miller, Cecil, Pomona, Calif. Bagging apparatus. 2,603,443, July 15.

Miller, Cecil, and P. L. Snyder, Pomona, and R. H. Swaisgood, Los Angeles, assignors to Consumer-Pak Machine Co., Pomona, Calif. Package sealing device. 2,603,376, July 15.

Miller, Charles: *See*—
Romanelli, Pat, and Miller.

Miller, Charles A.: *See*—
Ashby, Carl T., and Miller.

Miller, Charles F., Frederick, and C. J. Murphy, Baltimore, assignors to Price Electric Corporation, Frederick, Md. Coaxial relay. 2,584,901, Feb. 5.

Miller, Charles C., Jr., Springfield, assignor to Piasecki Helicopter Corporation, Morton, Pa. Main drive unit for tandem rotor helicopters. 2,612,062, Sept. 30.

Miller, Charles C., Jr., Springfield, and G. C. Abbe, Swarthmore, assignors, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Rotary wing aircraft with plural rotors. 2,623,597, Dec. 30.

Miller, Charles E.: *See*—
Gleitz, Herbert, Miller, and Gleitz.

Miller, Charles E., East Palestine, assignor of one-half to The Belden Brick Company, Canton, Ohio. Removing fire flash from burned clay product surfaces. 2,618,109, Nov. 18.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Controller. Re. 23,554, Sept. 30.

Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Knitting machine for and method of plating. 2,616,276, Nov. 4.

Miller, Charles F., Jr., assignee: *See*—
Williams, Vaughan B., Sr.

Miller, Charles E., Pittsburgh, Pa., assignor to United States Steel Company. Knockdown type platform for metal sheets and the like. 2,614,689, Oct. 21.

Miller, Charles S.: *See*—
Sprague, James M., and Miller.

Miller, Charles S., Prospect Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Dialkyl sulfamyl benzoic acids. 2,608,507, Aug. 26.

Miller, Charles S., Prospect Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Butylsulfamylbenzoic acid. 2,608,511, Aug. 26.

Miller, Charles S., Prospect Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Cyclohexylsulfamylbenzoic acid. 2,608,512, Aug. 26.

Miller, Charles W., Sale, England, assignor to General Electric Company. Wave guide switch. 2,588,934, Mar. 11.

Miller, Clarence A., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif. Horizontal tray type oil burner. 2,587,361, Feb. 26.

Miller, Clarence R.: *See*—
Wisner, Arthur S., and Miller.

Miller, Clarence W.: *See*—
Eklund, Henrik J., and Miller.

Miller, Claud C.: *See*—
Childers, Robert A., and Miller.

Miller, Clifford O., Minneapolis, and E. A. Behmer; said Behmer assignor of one-tenth to W. C. Manthey, St. Paul, Minn. Planimeter. 2,596,423, May 13.

Miller, Coleman J., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Antenna coupling system. 2,594,055, Apr. 22.

Miller, Coleman J., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode-ray tube circuit. 2,608,672, Aug. 26.

Miller Company, The, assignee: *See*—
Keller, Karl H.
Runge, Richard M., and Naysmith.

Miller, Cyril C., Altadena, Calif. Apparatus for popping corn by high-frequency radiation. 2,603,142, July 15.

Miller, Dariel E., East Los Angeles, assignor to Kelite Products, Inc., Los Angeles, Calif. Rotary drum reactor. 2,603,556, July 15.

Miller, David: *See*—
Berggren, Lloyd E., and Miller.

Miller, David C., Cleveland Heights, Ohio, assignor to General Electric Company. Starting and operating circuit and device for electric discharge devices. 2,597,591, May 20.

Miller, Delbert M., Davenport, Iowa, assignor to International Harvester Company. Corn snapping roll construction. 2,589,841, Mar. 18.

Miller, Desie O. H.: *See*—
Young, William A., and Miller.

Miller, Donald B.: *See*—
Preston, William E., Cappelen, and Miller.

Miller, Donald D.: *See*—
Schnippel, Edward V. and N. F., and Miller.

Miller, Donald J., Los Angeles, Calif., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Rubber skin doll. 2,606,398, Aug. 12.

Miller, Donald J., Los Angeles, Calif., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Stopperless water bottle or the like. 2,622,646, Dec. 23.

Miller, Donald L., Elmira, N. Y., assignor to Bendix Aviation Corporation. Centrifugal switch. 2,583,273, Jan. 22.

Miller, Donald L., Horseheads, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,593,167, Apr. 15.

Miller, Donald L., Horseheads, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,595,802, May 6.

Miller, Donald L., Horseheads, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,602,335, July 8.

Miller, Donald L., Horseheads, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,605,642, Aug. 5.

Miller, Donald W.: *See*—
Miller, Herbert G., and D. W.

Miller, Dorothy L., assignor of one-fourth to S. A. Miller, one-fourth to S. Jourgensen, and one-fourth to J. L. Jourgensen, Casper, Wyo. Diaper. 2,612,164, Sept. 30.

Miller, Dorothy L. and S. A., Casper, Wyo., assignors of twenty-five per cent to S. Jourgensen and twenty-five per cent to J. L. Jourgensen. Pants. 2,591,182, Apr. 1.

Miller, Douglass: *See*—
Bleam, Howard A., Singleman, and Miller.

Miller, Earl E.: *See*—
Curtis, John C., and Miller.

Miller, Earl E., El Paso, Tex., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Tunnel mucking apparatus. 2,587,362, Feb. 26.

Miller, Earle C., Worcester, and W. B. Hewitt, Cambridge, assignors to Riley Stoker Corporation, Worcester, Mass. Fuel feeding apparatus. 2,602,706, July 8.

Miller, Edgar E., Kent, Wash. Combined table and bench. 2,621,710, Dec. 16.

Miller, Edgar H., Detroit, Mich., assignor of one-half to E. E. Edmiston, Cleveland, Ohio. Roller mill. 2,610,801, Sept. 16.

Miller, Edward E., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna sector scanning control. 2,605,453, July 29.

Miller, Edward R., Oakland, assignor to Pillar Furniture Manufacturing Co., San Lorenzo, Calif. Sectional divan. 2,582,555, Jan. 15.

Miller, Edward S., Los Angeles, Calif. Electrical connector. 2,623,092, Dec. 23.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear shaping machine with eccentric cutter relief. 2,596,343, May 13.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for rough milling and generative finishing of machine elements. 2,599,408, June 3.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for cutting taper grooves. 2,608,137, Aug. 26.

Miller, Edwin A., Fairfield, Conn. Latch release contact for electric switches. 2,586,075, Feb. 19.

Miller, Edwin A., Fairfield, Conn. Longitudinally shiftable switch blade. 2,589,563, Mar. 18.

Miller, Edwin A., Fairfield, Conn. Thermal relay. 2,599,473, June 3.

Miller, Edwin A., Fairfield, Conn. Push on-push off single button switch. 2,601,545, June 24.

Miller, Einer A., Clearwater, and E. I. May, Yucaipa, Calif. Mobile bale handling equipment. 2,615,586, Oct. 28.

Miller, Elmer: *See*—
Folkins, Hillis O., and Miller.

Miller, Elmer C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Photometric analyzer. 2,612,608, Sept. 30.

Miller, Elmer L.: *See*—
Crampton, Carl T., and Miller.

Miller, Emery P., Williams Creek, assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Thread unwinding apparatus and method. 2,605,982, Aug. 5.

Miller, Ernest A., Long Beach, Calif. Coin-actuated time-control mechanism. 2,586,549, Feb. 19.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Catalytic reactor. 2,617,718, Nov. 11.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Rotatable adsorption apparatus. 2,617,986, Nov. 11.

Miller, Ernest F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion chamber having telescoping walls and corrugated spacers. 2,610,467, Sept. 16.

Miller, Ernest F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor construction. 2,614,796, Oct. 21.

Miller, Eugene B., Chicago, Ill. Razor blade handle attachment. 2,599,407, June 3.

Miller, Eugene B., Chicago, Ill. Fence post mold. 2,618,037, Nov. 18.

Miller, F. Brock, trustee: *See*—
Mishler, Archie L.

Miller, Floyd F.: See—
Gilbert, Harry, and Miller.

Miller, Floyd F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilization of monomeric 1,1-dicyano ethylene. 2,614,118, Oct. 14.

Miller, Floyd F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with styrene and substituted styrenes. 2,615,868, Oct. 28.

Miller, Frank, Orange, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Load indicating device. 2,614,420, Oct. 21.

Miller, Frank G., and S. Paullin, Mount Sterling, Ohio. Courtesy light. 2,605,338, July 29.

Miller, Frank W., Philadelphia, assignor to Yarnall-Waring Company, Chestnut Hill, Philadelphia, Pa. Flat glass insert assembly. 2,608,095, Aug. 26.

Miller, Franklin S., Elmwood Park, Ill. Kite string reel. 2,585,263, Feb. 12.

Miller, Fred F., Jr., Berkley, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Lubricating device for universal joints. 2,617,279, Nov. 11.

Miller, Fred S.: *See*—
Miller, Glen W. and F. S.

Miller, Frederick B.: *See*—
McMahon, Jerome B., and Miller.

Miller, Frederick B., Chicago, Ill. Power transmission. 2,614,388, Oct. 21.

Miller, Frederick B., Chicago, Ill. Mining machine. 2,614,822, Oct. 21.

Miller, Frederick, Jr.: *See*—
Braun, Karl J., and Miller.

Miller, George B. C., Jr., Baltimore, Md. Window shade pull. 2,599,121, June 3.

Miller, George E., Knoxville, Tenn. Applying fluid to fabrics. 2,616,761, Nov. 4.

Miller, George W., Cedars, Pa. Device for extracting pipes from wells. 2,584,902, Feb. 5.

Miller, Glen W.: *See*—
Kells, Edward L., and Miller.

Miller, Glen W., Covina, and F. S. Miller, Monrovia, Calif. Heating device. 2,590,442, Mar. 25.

Miller, Glenn H.: *See*—
Krumhansl, James A., and Miller.

Miller, Gustave, assignee: *See*—
Ezba, Peter.

Miller, Gustave L., Geneseo, Ill. Apparatus for use with tractors and cultivators. 2,580,813, Jan. 1.

Miller, Gustave L., Geneseo, Ill. Deodorizer apparatus and germ destroyer. 2,585,339, Feb. 12.

Miller, Harold C., assignor to Charles Hardy, Inc., New York, N. Y. Reducing metal powders. 2,621,137, Dec. 9.

Miller, Harold V., Arlington, Va. Door check. 2,584,903, Feb. 5.

Miller, Harry, Lincoln, Nebr. Processing alfalfa. 2,600,903, June 17.

Miller, Harry W., Samoa, Calif. Collapsible vehicle body. 2,589,416, Mar. 18.

Miller, Helen P., assignee: *See*—
Miller, Julian D.

Miller, Henry C.: *See*—
Gall, John F., and Miller.

Miller, Henry C. L., and H. A. Raddin, Richmond, Va., assignors to The Hofft Company, Inc., Indianapolis, Ind. Method of and vortex-type furnace for burning waste fuel. 2,614,513, Oct. 21.

Miller, Henry F.: *See*—
Taylor, Marvel E., and Miller.

Miller, Henry J.: *See*—
Broussard, Robert F., and Miller.

Miller, Henry J., Baltimore, Md. Garden and insecticide sprayer. 2,594,476, Apr. 29.

Miller, Herbert G., Jr., and D. W. Miller, Saginaw, Mich. Wrench handle detachably connectible to rigid-jaw type wrench head. 2,608,894, Sept. 2.

Miller, Hercheal W.: *See*—
Buss, Benjamin A., and Miller.

Miller, Herman J.: *See*—
Bothe, Werner H., and Miller.

Miller, Hoke S., Stamford, Conn., assignor to Air Reduction Company, Inc., New York, N. Y. Vinyl chloride preparation. 2,615,054, Oct. 21.

Miller, Homer H., Bridgeport, Conn., assignor to General Electric Company. Electric cooking appliance. 2,588,145, Mar. 4.

Miller, Joe, Houston, and J. W. Workman, Katy, Tex., assignors, by mesne assignments, to Standard Oil Development, Elizabeth, N. J. Meter house. 2,588,270, Mar. 4.

Miller, Howard A., Greenback, Tenn. Soap-dispensing bag. 2,607,940, Aug. 26.

Miller, Howard C., New York, N. Y. Controlling device for refrigerator systems. 2,587,363, Feb. 26.

Miller, Hubert E., assignor to R. M. Carey and L. W. Schmucker, Wichita, Kans. Vehicle lifting strut. 2,581,688, Jan. 8.

Miller, Hugh, and W. H. Kreamer, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for dry spinning filaments. 2,619,676, Dec. 2.

Miller, Hugh A.: *See*—
Curry, Harold E., and Miller.

Miller, Huguenin, assignor to Watervliet Paper Company, Watervliet, Mich. Pulping wood with sodium carbonate-lime solution. 2,599,571, June 10.

Miller, Hugenin, assignor to Watervliet Paper Company, Watervliet, Mich. Alkaline pulping of preimpregnated deciduous wood. 2,599,572, June 10.

Miller, Ida, L., executrix: *See*—
Miller, Max C.

Miller, Ira A., Dallas, Tex. Well treating and flow controlling device. 2,604,169, July 22.

Miller, Iva L., Minerva, Ohio. Shelf for wash tubs. 2,599,192, June 3.

Miller, Jack C., assignor to Everest & Jennings, Inc., Los Angeles, Calif. Removable footrest for wheel chairs. 2,592,449, Apr. 8.

Miller, Jack M., Kansas City, Mo. Sausage linker. 2,592,939, Apr. 15.

Miller, James A., Darien, Conn. Manufacture of plastic articles. 2,605,506, Aug. 5.

Miller, James E., assignor to Dryco Corporation, Syracuse, N. Y. Spotting apparatus. 2,598,410, May 27.

Miller, James H., Norfolk, Va. Automatic control system for aircraft retractable landing gear. 2,580,452, Jan. 1.

Miller, John, Elmhurst, N. Y. Temperature indicator device. 2,608,862, Sept. 2.

Miller, John A.: *See*—
Smythe, Carl Y., Drake, and Miller.

Miller, John A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Automatic shoe machine. 2,581,272, Jan. 1.

Miller, John C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rate gyroscope. 2,581,965, Jan. 8.

Miller, John H., Jr., Wyndmoor, Pa. Hubcap removing handle. 2,621,980, Dec. 16.

Miller, John M., Jr., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Noise suppressor for audio circuits. 2,589,723, Mar. 18.

Miller, John N., and E. Gairing, Detroit, Mich. Offset locking adjustment collar. 2,594,969, Apr. 29.

Miller, John R.: *See*—
Sackett, Loren C., Miller, and Kelto.

Miller, John V., Phoenix, Ariz. Gravity actuated door mounting. 2,590,028, Mar. 18.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Valve. 2,595,160, Apr. 29.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Fuel control for combustion apparatus. 2,600,123, June 10.

Miller, Joseph: *See*—
Kline, Richard C., and Miller.

Miller, Joseph A.: *See*—
Nordmark, Walter E., Miller, and Poel.

Miller, Joseph B., Mobile, Ala. Injector for medicaments. 2,620,797, Dec. 9.

Miller, Joseph C., Compton, assignor to Coast Envelope Company, Los Angeles, Calif. Loose-leaf binder. 2,617,423, Nov. 11.

Miller, Joseph C., St. Paul, Minn. Cigarette holder. 2,607,353, Aug. 19.

Miller, Joseph F., Alhambra, assignor of one-fourth to K. F. Weikel, Long Beach, Calif. Combination throttle and shift control. 2,617,311, Nov. 11.

Miller, Joseph J., assignor to P. A. Sussman and E. H. Jacobs, San Francisco, Calif. Rotary saw with swingable tension rollers. 2,589,624, Mar. 18.

Miller, Julian D., assignor to himself and H. P. Miller, Denton, Md. Chicken drinking fountain. 2,594,968, Apr. 29.

Miller, Karl B., Chicago, Ill. Means for mounting removable panels in door frames. 2,623,249, Dec. 30.

Miller, Kay, Muskegon, Mich., assignor to Dana Corporation, Toledo, Ohio. Automatic wear compensator for friction clutches. 2,616,540, Nov. 4.

Miller-Lauffer Printing Equipment Corp., assignee: *See*—
Lauffer, Jacob R.

Miller, Laurence R., Fond du Lac, Wis. Releasable holder for broom handles. 2,598,065, May 27.

Miller, Lawrence E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cover means for terminals of dynamoelectric machines. 2,590,559, Mar. 25.

Miller, Leo A., J. H. Dunn, C. M. Neher, and S. N. Hall, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Manufacture of benzene hexachloride. 2,622,105, Dec. 16.

Miller, Leo A., J. H. Dunn, and C. M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Apparatus for chlorination reactions. 2,622,205, Dec. 16.

Miller, Leon F., Fairview Park, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Molding machine. 2,623,252, Dec. 30.

Miller, Leon F., Fairview Village, and L. C. Cole, Cleveland Heights, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Molding machine and molding. 2,613,409, Oct. 14.

Miller, Leonidas C.: *See*—
Jones, George D., and Miller.

Miller, Leonidas C., Los Angeles, Calif. Orientation device for wells. 2,590,880, Apr. 1.

Miller, Leonidas C., Los Angeles, Calif. Fluid driven actuator for tools. 2,612,140, Sept. 30.

Miller, Leonidas C., Los Angeles, Calif. Portable pneumatic power unit. 2,620,965, Dec. 9.

Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,590,197, Mar. 25.

Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,618,793, Nov. 25.

Miller, Lorin O., Dunkirk, Ind. Stoker ash scoop. 2,621,958, Dec. 16.

Miller Manufacturing Co. Inc., assignee: *See*—
Guzey, William, Jr., Curlett, and McKiney.

Miller Manufacturing Company, Incorporated, assignee: *See*—
Goff, John W.

Miller, Mathias J., Evansville, Ind. Telephone attachment. 2,584,807, Feb. 5.

Miller, Max C., deceased, Cumberland, R. I.; I. L. Miller executrix. Stocking blank and knitting. 2,582,756, Jan. 15.

Miller, Merton R.: *See*—
Dvorak, Howard A., Juvinall, and Miller.

Miller, Merton R., Lombard, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Temperature control apparatus. 2,610,797, Sept. 16.

Miller Meters, Inc., assignee: *See*—
Anderson, Florence B.

Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminous brazing product and brazing. 2,602,413, July 8.

Miller, Monroe E., Washington, D. C. Electrical impulse device. 2,610,583, Sept. 16.

Miller, Morris M., Des Moines, Iowa. Window stop device. 2,612,398, Sept. 30.

Miller, Myron G., Springs, Pa. Driving mechanism for mining machines. 2,594,195, Apr. 22.

Miller, Myron M., Latham, assignor to Cluett, Peabody and Co., Inc., Troy, N. Y. Necktie and form therefor. 2,618,378, Nov. 18.

Miller, Neil B., Massillon, Ohio, assignor to Griscom-Russell Company, New York, N. Y. Box support for fin tubing. 2,608,388, Aug. 26.

Miller, Nicholas, Berwyn, Ill., assignor to Hotpoint, Inc. Temperature control device. 2,585,340, Feb. 12.

Miller, Nicholas, Berwyn, Ill., assignor to Hotpoint Inc. Temperature control device. 2,611,845, Sept. 23.

Miller, Nicholas S., Chicago, Ill., assignor, by mesne assignments, to Cummins-Chicago Corp. Latch mechanism for perforator matrix elements. 2,589,271, Mar. 18.

Miller, Oliver S., Long Beach, assignor to Mill-Mont Company, Los Angeles, Calif. Protector for the lips and teeth. 2,589,504, Mar. 18.

Miller, Paul H., Indianapolis, Ind. Slicing device for culinary purposes. 2,613,714, Oct. 14.

Miller, Paul V., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Thread gauge drive. 2,602,347, July 8.

Miller, Perry E., Cleveland Heights, assignor to The Lexington Supply Company, Cleveland, Ohio. Hoist. 2,586,369, Feb. 19.

Miller, Philip, New York, N. Y., assignor to Tennessee Valley Authority. Production of calcium metaphosphate. 2,589,272, Mar. 18.

Miller Pottery Engineering Company, assignee: *See*—
Ryckman, George E.

Miller Printing Machinery Co., assignee: *See*—
Upham, Burt F.

Miller, Ralph A., Dayton, Ohio, assignor, by mesne assignments, to The Dayton Taximeter Co. Taximeter casing and support. 2,616,622, Nov. 4.

Miller, Ralph H., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Apparatus for using one cylinder of an internal combustion engine interchangeably as a pump and a power cylinder. 2,595,281, May 6.

Miller, Ransom G., III, Stratford, assignor to The Alfred B. King Company, New Haven, Conn. Annealing spider. 2,601,443, June 24.

Miller, Raymond J., Detroit, Mich. Distortable fastener. 2,585,485, Feb. 12.

Miller, Raymond J., C. H. Garmager, and G. E. Whelpley, assignors to Bendix Aviation Corporation, Detroit, Mich. Transmission. 2,612,791, Oct. 7.

Miller, Raymond S., Hollywood, Calif. Fruit press. 2,589,724, Mar. 18.

Miller, Richard D., Pasadena, Calif. Grill. 2,593,592, Apr. 22.

Miller, Richard F., Harvard, Nebr. Method and apparatus for testing and locating faults in continuous conductors. 2,615,076, Oct. 21.

Miller, Robert A.: *See*—
Fulton, Roy R.
Olson, Henry L., Hale and Miller.
Olson, Henry L., and Miller.

Miller, Robert E., Sierra Madre, Calif. Folding door. 2,614,627, Oct. 21.

Miller, Robert J.: *See*—
Darragh, John L., and Miller.

Miller, Robert S., Portland, Oreg. Conveyer flight and chain link. 2,614,685, Oct. 21.

Miller, Rody, Akron, Ohio. High-frequency antenna. 2,583,745, Jan. 29.

Miller, Roland E., Freeport, assignor to Kraft Foods Company, Chicago, Ill. Dumping device. 2,601,163, June 17.

Miller, Roy G., Bayside, assignor to East Coast Aeronautics, Inc., New York, N. Y. Closure. 2,609,117, Sept. 2.

Miller, Roy G., Tacoma, Wash. All purpose hydraulic jack. 2,620,737, Dec. 9.

Miller, Roy G., Jr., Sea Cliff, N. Y. Film-developing tank. 2,606,485, Aug. 12.

Miller, Roy W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Tubular contactor with conical distribution plate. 2,602,647, July 8.

Miller, Rudolph W., assignee: *See*—
Harkenrider, Robert J.

Miller, Russell H., Hutchinson, Kans. Ventilated toilet bowl. 2,610,328, Sept. 16.

Miller, S. Linn, Poplar Bluff, Mo. Hitch including manually operated sliding latch mechanism. 2,611,461, Sept. 23.

Miller, Samuel, Washington, D. C. Foldable dispensing and closure device. 2,617,563, Nov. 11.

Miller, Samuel, New York, and A. C. Emelin, Mamaroneck, assignors to Schenley Industries, Inc., New York, N. Y. Inhaler. 2,604,094, July 22.

Miller, Samuel J., assignor to The Du Bois Company, Cincinnati, Ohio. Conveyer lubricant dispenser. 2,603,534, July 15.

Miller, Sheldon M., Lakewood, Ohio, assignor to Curtiss-Wright Corporation. Aircraft gun mount. 2,591,960, Apr. 8.

Miller, Stanton A.: *See*—
Miller, Dorothy L.
Miller, Dorothy L. and S. A.

Miller, Theadore, Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave guide incident wave measurement. 2,602,827, July 8.

Miller, Theodore J.: *See*—
Martin, Lawrence A., Miller, and Wright.

Miller, Theodore J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Rotary disk platen. 2,586,848, Feb. 26.

Miller, Thomas H., Wilmington, Del., assignor to Kaumagraph Company. Treating textile fabrics to prevent unraveling at cut edges thereof. 2,597,888, May 27.

Miller, Titus, Baltic, assignor of forty per cent to D. J. Parker, Parma, Ohio. Hydraulic drawbar control. 2,600,016, June 10.

Miller, Verle A., Wadsworth, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Packaging films and manufacturing same. 2,604,668, July 29.

Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic tool for cleaning switch banks. 2,602,180, July 8.

Miller, Waldemar W., Henderson, Nev. Cigarette novelty. 2,588,146, Mar. 4.

Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Turntable for record changers. 2,598,584, May 27.

Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Record changer spindle. 2,615,720, Oct. 28.

Miller, Walter E., Placentia, assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Apparatus for handling stacked containers. 2,619,238, Nov. 25.

Miller, Walter E., West Hartford, Conn. Toy sky-writing airplane. 2,608,025, Aug. 26.

Miller, Warren S., Houston, Tex., and L. C. Hirdler, Maplewood, La., assignors to Mathieson Chemical Corporation. Cyclic process for production of sodium bicarbonate and ammonium chloride. 2,622,004, Dec. 16.

Miller, Warren W., State College, Pa., J. Turkevich, Princeton, N. J., and N. Zwiebel, Whitestone, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Production of carbon dioxide. 2,622,008, Dec. 16.

Miller & Weber, Inc., assignee: *See*—
Weber, Joseph J., and Wilhelm.

Miller, Wellington E.: *See*—
Penberthy, Paul, and Miller.

Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Flow control device. 2,607,369, Aug. 19.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Circuits employing germanium diodes as active elements. 2,581,273, Jan. 1.

Miller, William A., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Computing device. 2,587,193, Feb. 26.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multivibrator circuit. 2,603,751, July 15.

Miller, William A., near Weston, Colo. Floor-laying tool. 2,588,401, Mar. 11.

Miller, William A., Elizabeth, and T. W. Ratcliffe, Westfield, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Insulating fire brick and manufacture. 2,588,646, Mar. 11.

Miller, William C., Pasadena, Calif., assignor to Beckman Instruments, Inc. Fery-prism monochromator. 2,594,334, Apr. 29.

Miller, William, Corporation, assignee: *See*—
Miller, William W.

Miller, William E., assignor to The Morse Instrument Company, Hudson, Ohio. Automatically operated film winding mechanism. 2,583,385, Jan. 22.

Miller, William E., assignor to The Morse Instrument Company, Hudson, Ohio. Spool for photographic film processing machines. 2,608,876, Sept. 2.

Miller, William H., Hazleton, assignor to Cloverleaf-Freeland Corporation, Honesdale, Pa. Metal bobbin. 2,610,004, Sept. 9.

Miller, William J., Portland, Oreg. Deep well electric cooker. 2,601,546, June 24.

Miller, William J., assignor to Hy-Way Machinery, Incorporated, Youngstown, Ohio. Cutoff plate for spreader boxes. 2,590,443, Mar. 25.

Miller, William J., Youngstown, Ohio. Oil heater. 2,607,337, Aug. 19.

Miller, William J., assignor to Hy-Way Machinery, Incorporated, Youngstown, Ohio. Apparatus for heating and handling bituminous materials. 2,613,665, Oct. 14.

Miller, William J., and A. C. Johnson, assignors to Elliott Bay Mill Co., Seattle, Wash. Piston valve. 2,605,079, July 29.

Miller, William S.: *See*—
Isherwood, Fred, and Miller.

Miller, William S., assignor to The Calico Printers' Association Limited, Manchester, England. Dyeing of cellulosic textile materials by forming lakes of basic dyes in the fibers. 2,589,953, Mar. 18.

Miller, William S., assignor of fifty per cent to G. Lubic, Youngstown, Ohio. Apparatus for continuously marking metal objects. 2,580,574, Jan. 1.

Miller, William T., Ithaca, N. Y., assignor to The United States of America as represented by the United States Atomic Energy Commission. Copolymers of perfluoropropene and tetrafluoroethylene and making same. 2,598,283, May 27.

Miller, William T., Ithaca, A. L. Dittman, Schenectady, N. Y., and S. K. Reed, Lewisburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Halogen-substituted acetyl peroxide catalyst for halo-olefin polymerization. 2,586,550, Feb. 19.

Miller, William T., Ithaca, N. Y., and E. W. Fager, Chicago, Ill., assignors to The United States of America as represented by the United States Atomic Energy Commission. Rearrangement of saturated halocarbons. 2,598,411, May 27.

Miller, William W., Los Angeles, assignor to William Miller Corporation, Pasadena, Calif. Optical imaging system. 2,614,460, Oct. 21.

Millerwise, Carl H., assignor to Detroit Lubricator Company, Detroit, Mich. Trip and reset mechanism for float operated liquid fuel controlling valves. 2,591,581, Apr. 1.

Millet, Roger P.: *See*—
Dubar, Leon J. M. J., and Millet.

Millhiser Bag Company, Inc., assignee: *See*—
Golden, Bertie C.

Millholland, Ernest: *See*—
Millholland, Raymond A. and E.

Millholland, Raymond A. and E., Indianapolis, Ind. Metal working tool. 2,604,800, July 29.

Millican, Edward L., assignee: *See*—
Millican, Roy E.

Millican, George L., assignee: *See*—
Millican, Roy E.

Millican, Roy E., assignor of one-third to C. C. Johnston, Jr., one-third to G. L. Millican, one-sixth to E. L. Millican and one-sixth to M. M. M. Phillips, Dallas, Tex. Hydropneumatic graduator. 2,591,087, Apr. 1.

Milligan, William B.: *See*—
Penther, Carl J., and Milligan.

Milliken, Edward C., Bowerston, and J. M. Roth, Uhrichsville, assignors to The Bowerston Shale Company, Bowerston, Ohio. Tile perforating machine. 2,582,645, Jan. 15.

Milliken, George A., South Walpole, and K. E. Topping, Foxboro, assignors to Bird Machine Company, South Walpole, Mass. Centrifugal separator. 2,600,372, June 10.

Milliken, Thomas H., Jr., Chester, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Process and apparatus for producing hydrogel beads. 2,588,402, Mar. 11.

Milliken, Thomas H., Jr., Moylan, Pa., and I. H. Welinsky, Claymont, assignors to Houdry Process Corporation, Wilmington, Del. Drying a silica-zirconia hydrogel containing an alkali salt. 2,597,889, May 27.

Millington, Alfred F.: *See*—
Mieras, Merritt A., and Millington.

Milliquet, Vladimir: *See*—
Ehrat, Kurt, and Milliquet.

Milliquet, Wladimir, Baden, assignor to "Patelhold" Patentverwertungs-& Elektro-Holding A.-G., Glarus, Switzerland. Secrecy system whereln frequency bands of messages are intermixed during multiplexing. 2,586,475, Feb. 19.

Mills, Keith D., Rahway, A. P. Gagnebin, Red Bank, and N. B. Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Steel-like alloy containing spheroidal graphite. 2,610,912, Sept. 16.

Milliman, Jacob, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control of movable elements. 2,604,614, July 22.

Milliman, Jacob, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Coordination circuit. 2,605,408, July 29.

Milliman, Jacob, Flushing, N. Y., and H. P. Stabler, Williamstown, Mass., assignors to American Machine and Foundry Company. Bowling machine totalizer. 2,590,444, Mar. 25.

Milliman, Jacob, Brookline, Mass., and R. C. Allen, Carthage, Mo., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Video blanking circuit. 2,591,088, Apr. 1.

Mill-Mont Company, assignee: *See*—
Miller, Oliver S.

Millns, Terence W., Shepherds Bush, and C. C. Jones, Acton, assignors to Rotax Limited, London, England. Engine starting apparatus. 2,605,705, Aug. 5.

Mills, Albert W., Point Pleasant, N. J., F. J. Furman, Endicott, and E. J. Rabenda, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,615,551, Oct. 28.

Mills, Bert, Corporation, The, assignee: *See*—
Mills, Bert E.

Mills, Bert E., St. Charles, assignor to The Bert Mills Corporation, Chicago, Ill. Beverage dispensing machine. 2,614,738, Oct. 21.

Mills, Bryan F. F., Inc., assignee: *See*—
Cobert, Arthur J.

Mills, Burton L., assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,623,792, Dec. 30.

Mills, Edward L., and D. A. Donahue, assignors to Buchanan Steel Products Corporation, Buchanan, Mich. Sickle guard. 2,619,787, Dec. 2.

Mills, Ellsworth L., Highland Park, and R. R. Zimmer, assignors to The Bastian-Blessing Company, Chicago, Ill. Excess flow check valve. 2,586,691, Feb. 19.

Mills, Florence P., executrix, assignee: *See*—
Haun, Joye C.

Mills, George A., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of a catalyst from clay. 2,584,148, Feb. 5.

Mills, Herbert E., Detroit, Mich. Stove door and window unit. 2,612,154, Sept. 30.

Mills, Herbert E., Detroit, Mich., assignor to Wilson Mills Inc. Oven control. 2,616,661, Nov. 4.

Mills Industries, Incorporated, assignee: *See*—
Bendfelt, Herbert A.
Ramclow, Axel.
Ramclow, Axel E.

Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.

Mills, Jack, assignor to Eli Lilly and Company, Indianapolis, Ind. N-dimethylaminoethyl-9-methylacridan and acid addition salts thereof. 2,586,370, Feb. 19.

Mills, James M., Jr., and James M. Mills, III, Hamilton City, Calif. Frozen prune process. 2,618,564, Nov. 18.

Mills, James M. III: *See*—
Mills, James M., Jr., and James M. Mills, III.

Mills, John H., assignor to G. Troiz, Jackson, Mich. Oil bath air cleaner construction. 2,589,111, Mar. 11.

Mills, Kenneth N., assignor to International Derrick and Equipment Company, Columbus, Ohio. Gear case with magnetic lubricant purifying means. 2,622,699, Dec. 23.

Mills, Le Roy K.: *See*—
Slaby, Ollie F., and Mills.

Mills, Lindley E., Kalamazoo, Mich. Fluid proportioning apparatus. 2,618,510, Nov. 18.

Mills, Thomas A. M.: *See*—
Bedford, Howard E., and Mills.

Mills, Verna S., Mill Valley, Calif. Child carrier. 2,599,474, June 3.

Mills, William J. E., Los Angeles, Calif. Necktie holding attachment for garment hangers. 2,608,306, Aug. 12.

Millsap, Leander W., Los Angeles, Calif. Power-driven film rewind machine. 2,586,976, Feb. 26.

Millsap, Rosemary U., Lakeland, Fla. Reversible apron. 2,620,474, Dec. 9.

Millspaugh, Frederick W., Haddonfield, and H. N. Kozanowski, Audubon, N. J., assignors to Radio Corporation of America. Synchronizing system. 2,597,743, May 20.

Millspaugh, George: *See*—
Foulder, Henry B., and Millspaugh.

Millstein, Jacob H., Jeannette, Pa. Candy dispensing toy pump. 2,581,039, Jan. 1.

Milne, David T., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for two-way stretching a continuous sheet. 2,618,012, Nov. 18.

Milne, John C., assignor to The Electric Construction Company Limited, Wolverhampton, England. Direct current electrical supply system. 2,615,066, Oct. 21.

Milne, John N.: *See*—
Cleverdon, Desmond, Standinger, Faulkner, and Milne.
Faulkner, Donald, and Milne.

Milner, David W., and E. C. Holdsworth, assignors to The Vulcan Chemical Company Limited, Cleckheaton, England. Preparation of salts of benzene sulfonic acid. 2,607,801, Aug. 19.

Milo, John J., assignee: *See*—
Nelson, Robert C.

Miloche, Herman A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,590,996, Apr. 1.

Milone, Louis J., Livingston, assignor to Orange Screen Company, Maplewood, N. J. All-weather window. 2,611,934, Sept. 30.

Milprint, Inc., assignee: *See*—
Rosen, Shy.
Rosenfeld, Harry.

Milsom, Frederick R., Boreham Wood, England. Electric integrating circuit. 2,583,587, Jan. 29.

Milsom, Frederick R., Boreham Wood, assignor to S. Smith & Sons (England) Limited, London, and Furzehill Laboratories Limited, Boreham Wood, England. Automatic control system. 2,595,868, May 6.

Milsted, W. H., trustee, assignee: *See*—
Arnold, Charles R.
Grevich, John J.
Humphrey, James M., and Grevich.

Milster, Arthur N., assignor to Wagner Electric Corporation, St. Louis, Mo. Bumper hitch. 2,613,949, Oct. 14.

Milton, Clare L., Jr., Roslyn Heights, N. Y., and C. A. Nielson, Takoma Park, Md., assignors to the United States of America as represented by the Secretary of the Army. Making flexible resinous replicas. 2,599,573, June 10.

Milton, Josephine E., Ferguson, Mo. Catamenial pad. 2,582,344, Jan. 15.

Milwaukee Electric Tool Corporation, assignee: *See*—
Ristow, Edward W.

Milwaukee Gas Specialty Company, assignee: *See*—
Marvin, Philip R.
Thornberry, John H.
Wasson, Loerwood.
Witzel, Ernst.

Mims, Lisso S., New Canaan, Conn. Multistage gas turbine blade cooling with air in high-pressure turbine stages. 2,603,948, July 22.

Mims, Samuel S., Atlanta, Ga. Dehorning device. 2,582,450, Jan. 15.

Minami, Kay, Seattle, Wash. Bamboo rake. 2,608,047, Aug. 26.

Minas, Giorgio, Genoa, Italy. Earth induction compass. 2,620,570, Dec. 9.

Mindel, Joseph, New York, N. Y., assignor of one-half to J. Goor, and one-half to A. J. Kramer, Arlington, Va. Educational toy. 2,623,303, Dec. 30.

Minder, George A., Bremerton, Wash. Mold for shaping and amalgamating food products. 2,597,592, May 20.

Minder, Otto, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Multicylinder two-cycle internal-combustion engine. 2,619,079, Nov. 25.

Minder, Robert J., and F. E. Fowler, Athens, Ga. Sirup and water dispenser. 2,618,217, Nov. 18.

Mindheim, Daniel J., Newark, N. J. Burling tool. 2,608,698, Sept. 2.

Mine Safety Appliances Company, assignee: *See*—
Bub, Robert A., and Young.
Evans, Robert B.
Haller, Robert B., and Yant.
Strange, John P., and Yant.

Miner, Charles H., Denver, Colo. Variable pitch pulley. 2,612,055, Sept. 30.

Miner, Earl W., Denver, Colo. Dispensing device. 2,606,696, Aug. 12.

Miner, John D., Jr., B. O. Austin, and R. D. Jessee, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control and protection of electric power system. 2,590,265, Mar. 25.

Miner, Leonard, Bridgeport, Conn. Curtain stretcher and drier. 2,598,585, May 27.

Miner, Milton A.: *See*—
Harpoothian, Edward, and Miner.

Miner, Raymond F., West Branch, Iowa. Bait holder. 2,600,314, June 10.

Miner, Robert G., and A. O. Andersen, assignors to The Trane Company, La Crosse, Wis. Air-conditioning apparatus. 2,594,477, Apr. 29.

Miner, W. H., Inc., assignee: *See*—
Danielson, Vernon S.
Dath, George E.
Dath, George E., and Milcahy.
Dath, George E., and Peterson.
Haseltine, Stacy B.
Leiman, Edward H.
Lounsbury, Harvey J.
Marquardt, Leonard A., and Gorton.
Mulcahy, Harry W.
Olander, Roland J.
Peterson, Arnold G.
Withall, William E.

Minerec Corporation, assignee: *See*—
Fischer, Arthur H.

Minerley, Frederick K., Chicago, Ill. Suction operated floor cleaning device employing liquid. 2,607,068, Aug. 19.

Minerley, Frederick K., Lincolnwood, Ill. Suction operated floor cleaning tool. 2,607,067, Aug. 19.

Mines Domaniales de Potasse d'Alsace, assignee: *See*—
Colin, Jules, Burr, Friedrich, and Herrgott.
Colin, Jules, Burr, and Gafanesch.

Mingasson, Georges, assignor to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Benzothiazole-2-dimethylsulfinamide and preparing the same. 2,585,155, Feb. 12.

Minghetti, Paul, Elk Grove, Calif. Floating cooling device for bulk liquids. 2,612,762, Oct. 7.

Minich, Arthur, Mountainside, and M. Nowak, Union, assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Oil soluble gelling agent. 2,618,596, Nov. 18.

Minick's Ice Cream Co., Inc., assignee: *See*—
Kelley, Walter C., and Phillips.

Mining Engineering Company Limited, The, assignee: *See*—
Duncan, Angus W.

Mining Process and Patent Company, assignee: *See*—
Bailey, Thomas S., Jr.
Daman, Arthur C.

Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Ashmead, John.
Bowen, Edward G., Taylor, Williams, Brown, and Touch.
Cary, Rex H. J.
Kronberger, Hans.
Ramsey, Victor H.
Williams, Frederic C.

Minit-Man, Inc., assignee: *See*—
Rousseau, Leo J.

Minium, Bernice A., executrix: *See*—
Minium, George S.

Minium, George S., deceased, Chicago, Ill.; B. A. Minium, executrix. Track and hanger unit for doors. 2,600,670, June 17.

Mink, Leon D., assignor to Swift & Company, Chicago, Ill. Preserving shell eggs. 2,598,586, May 27.

Minkler, Chester T., Newport, R. I., assignor to the United States of America as represented by the Secretary of the Navy. Torpedo recording mechanism. 2,617,703, Nov. 11.

Minkow, Robert, New York, N. Y. Machine for applying glue in stripes to sheet material. 2,590,339, Mar. 25.

Minkow, Robert, New York, N. Y. Doctoring means for gluing rollers. 2,596,585, May 13.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Alberts, Lawrence E.
Baak, Albert E.
Barnes, George W., Jr.
Bielski, Alex J.
Bishofberger, Carl J.
Bodey, Charles E.
Booth, John G.
Bursack, William W.
Caldwell, John A.
Crum, Stephen.
Crum, Stephen, and Sparrow.
Considine, Douglas M.
Cuckler, Lee E.
Donna, Joseph D.
Dyer, Clarence A.
Eckman, Donald P.
Ellis, David H.
Ergen, William K.
Felgal, Richard S.
Fitzgerald, Frank R.
Gaddis, Gene T.
Gille, Willis H.
Hagen, Jerry.
Hanson, Henry L.
Hartung, Charles A.
Horn, Joseph G.
Huntington, William L.
Huntington, William L., and Sogge.
Johnson, Bertil L.
Kautz, Murrell F.
Kliever, Waldo H.
Kliever, Waldo H., and Stone.
Koch, Alfred R., Jr.
Kronmiller, Carl G.
Kronmiller, Carl G., and Gille.
Kutzler, Robert J., and Wilson.
Laing, Marvin R., and Myers.
Lange, Frederick.
Lodge, Landon C.
Lundberg, John E.
McGoldrick, William J.
Michels, Walter C.
Miller, John C.
Millard, Harper.
Mouzon, James C.
Newton, Alwin B.
Odell, Malcolm P.
Ransome, Stafford G.
Riche, Arthur L.
Roetter, Robert P.
Ross, Wayne M.
Russell, Robert W.
Salisbury, Mack L.
Sanders, Charles M.
Schoeppel, John F., and Stone.
Shivers, Paul F.
Side, Frederick W.
Smith, Myron R.
Sparrow, Hubert T.
Stanton, Leonard.
Stone, Wayne A.
Strother, Fred P.
Stutzman, Warren S.
Thorsheim, Joseph O.
Underwood, Orville J.
Von Eschen, Garvin L.
Wannamaker, William H., Jr.
Wannamaker, William H., Jr., and Eckman.
Wild, Rudolf F.
Wild, Rudolf F., Dyer, Mouzon, and Wills.
Wills, Walter P.
Wilson, John M.
Wilson, John M., and Feigal.
Wilson, John M., and Nickells.
Wissmiller, Vernon D., and Beveridge.

Minneapolis-Moline Company, assignee: *See*—
Even, Nicholas.
Halgren, Henry A., and Albertson.
Preising, William J., and Ray.
Preising, William J., and Stutzke.
Ronning, Martin, and Keith.
Simpson, William F.
Swenson, William E., and Halgren.
Turkenkoph, Sylvanus C., and Evans.
Wuertz, Paul P.

Minnear, Festus L.: *See*—
Maier, Curtis E., Minnear, and Brockett.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Phase modifier. 2,595,869, May 6.

Minneci, Salvatore, J. F. McKenney and E. J. De Noyers, Pittsfield, Mass., assignors to General Electric Company. Fast-acting switching device. 2,599,272, June 3.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Ahlbrecht, Arthur H., and Husted.
Beck, Warren R.
Bihary, William A.
Boese, Alvin W.
Buzzell, Maurice W., and Kanninen.
Dlesslin, Albert R., Kauck, and Simons.
Douglas, Donald J.
Fisher, Kenneth W., and Heltzer.
Guenthner, Richard A.
Hendricks, James O.
Hendricks, James O., and Dahlquist.
Hoffman, Harry J.
Holm, Torkil.
Huhn, Paul J.
Kauck, Edward A., and Simons.
Keene, Howard B., Anderson, and Aldrich.
La Zerte, James D.
Lindsey, Seth B.
Martin, Lawrence A.
Martin, Lawrence A., Miller, and Wright.
McMahon, Thomas L.
Miller, Theodore J.
Nestor, Leonard R.
Pearlson, Wilbur H., and Hals.
Reid, Thomas S.
Schmelzle, Ambrose F., and Eastwold.
Simons, Joseph H., and Brice.
Thomson, Andrew F.
Wehmer, Frederick J., and McClellan.

Minnesota and Ontario Paper Company, assignee: *See*—
Anderson, Emitt S., and Haley.
Barrett, William H., and Asdell.
Lahaie, Fred J.
Lauring, Edgar A.

Minnick, Leonard J., Cheltenham, and C. Presgrave, East Whitemarsh Township, Montgomery County, assignors to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Electrolytic process of producing alkali and alkaline earth metals. 2,615,838, Oct. 28.

Minnis, Harold F., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Hoist. 2,601,970, July 1.

Minnis, Harold F., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Axial flow fan with yieldingly centered fan element. 2,621,849, Dec. 16.

Minock, Robert M., Denver, Colo. Expander tool for elastic bands. 2,601,547, June 24.

Minor, Burt S.: *See*—
Barnes, Byron H., and Minor.

Minor, Burt S., Whittier, assignor to Regan Forge and Engineering Company, San Pedro, Calif. Hook. 2,613,981, Oct. 14.

Minor, Charles G., deceased, Evanston, Ill., assignor of one-half to C. F. Welsh, Highland Park, Mich.; H. H. Gmeiner, executor of C. G. Minor. Barrel supporting and cooling device. 2,622,851, Dec. 23.

Minor, Edward E.: *See*—
Dougherty, Charles E., and Minor.

Minor, Francis W.: *See*—
Brown, Alfred E., Sookne, and Minor.

Minor, Francis W., Arlington, Va., A. M. Sookne, Washington, D. C., M. Harris, Bethesda, Md., and G. L. Pyle, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Method and composition for imparting water resistance to textile material. 2,615,824, Oct. 28.

Minor, James B., Sr., Fairmont, W. Va. Tool for handling substantially cylindrical articles. 2,593,782, Apr. 22.

Minorsky, Nicholas, Bethesda, Md., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Torque amplifying system. 2,590,029, Mar. 18.

Minser, Donald R.: *See*—
Moore, Arleigh R., and Minser.

Minshall-Estey Organ, Inc., assignee: *See*—
Campbell, Richard H., Jr., and Hadden.
Hadden, George H.

Minsk, Louis M., and E. W. Taylor, assignors to Eastman Kodak Company, Rochester, N. Y. Improved method for polymerizing vinyl acetate in tertiary butyl alcohol. 2,582,055, Jan. 8.

Minsk, Louis M., W. P. Van Deusen, and E. M. Robertson, assignors to Eastman Kodak Company, Rochester, N. Y. Photosensitization of polymeric cinnamic acid esters. 2,610,120, Sept. 9.

Minter, Clarke C., Washington, D. C., assignor to Minter Instrument Corporation, New York, N. Y. Thermal conductivity bridge for gas analysis. 2,585,959, Feb. 19.

Minter, Clarke C., Washington, D. C. Compensated convection current responsive instrument. 2,588,403, Mar. 11.

Minter, Herbert F., N. C. Foster, and M. M. Leven, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Styrene-polyester copolymer for photoelastic studies. 2,583,150, Jan. 22.

Minter Instrument Corporation, assignee: *See*—
Minter, Clarke C.

Minton, Clarence W., assignor to May Hosiery Mills, Nashville, Tenn. Automatic transfer knitting apparatus. 2,622,421, Dec. 23.

Minton, Ernest D., Ault, Colo. Adjustable stroke dispensing pump. 2,598,188, May 27.

Minton, John, assignor of 50 per cent to K. V. Minton, Baton Rouge, La. Wrench having slidable side jaw actuated by pivoted handle. 2,589,565, Mar. 18.

Minton, John H., Opa-Locka, Fla. Machine for molding drain tile. 2,608,739, Sept. 2.

Minton, John P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filter for seismic prospecting. 2,590,822, Mar. 25.

Minton, John P., Dallas, Texas, assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismic prospecting. 2,599,064, June 3.

Minton, Kenneth V., assignee: *See*—
Minton, John.

Minturn, Franklin J., Toms River, N. J. Condiment dispenser. 2,597,165, May 20.

Mintz, Henry A., Norwood, Mass. Pallet for stamping machines. 2,591,369, Apr. 1.

Mintz, Henry A., Norwood, Mass. Automatic foil-feeding mechanism for stamping machines. 2,604,387, July 22.

Mintz, Jacob J., Plainfield, N. J., assignor to A. L. Siegel Co., Inc., New York, N. Y. Mothproof garment bag. 2,619,225, Nov. 25.

Mintz, Jacob J., Somerville, N. J., assignor to A. L. Siegel Co., Inc., New York, N. Y. Mothproof garment bag. 2,591,277, Apr. 1.

Mintz, Milton A., Lafayette Hill, and G. W. Loveland, Ardmore, Pa. Knitted garment. 2,615,170, Oct. 28.

Mintz, Victor W., Maplewood, N. J. Dental paralleling device. 2,591,183, Apr. 1.

Mioduski, Joseph W., and R. H. Lesner, Chicago, Ill. Educational apparatus. 2,581,595, Jan. 8.

Miollis, Raymond, Shelbina, Mo., assignor to The Borden Company, New York, N. Y. Cheese press. 2,604,036, July 22.

Miottel, Elton L.: *See*—
Henkes, Peter M., and Miottel.

Mir, Antonio J.: *See*—
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir.

Mir, Enrique J.: *See*—
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir.

Miralles, Jaime I., assignee: *See*—
Albrich, Julián I.

Mirau, André H., assignor to Society "La Precision Mecanique," Paris, France. Interferometer. 2,612,074, Sept. 30.

Mirfield, George E., deceased, Youngstown, Ohio; T. W. Craver, executor. Apparatus for bundling pipes, bars, and the like. 2,596,862, May 13.

Miro Container Company, Inc., assignee: *See*—
Rosenfield, Louis.

Miron, Simon, Galveston, assignor to Pan American Refining Corporation, Texas City, Tex. Hydrofluoric acid refining of hydrocarbon oils. 2,600,671, June 17.

Mis, Frank J., assignor of fifty per cent to Sealy, Incorporated, Chicago, and fifty per cent to Harris Hub Bed and Spring Company, Cicero, Ill. Support frame assembly for seat beds. 2,601,682, July 1.

Misch, Arthur C., South Bend, assignor to Misch Manufacturing Company, Mishawaka, Ind. Sprinkler. 2,622,928, Dec. 23.

Misch, Herbert L.: *See*—
McFarland, Forest R., Misch, and Foley.

Misch Manufacturing Company, assignee: *See*—
Misch, Arthur C.

Mischke, Alice, Zurich, Switzerland. Sheet-cutting machine having a traveling cutter-carriage and a motor driven reciprocating cutter. 2,584,487, Feb. 5.

Miscovich, John A., Fairbanks, Territory of Alaska, assignor of one-half to G. S. Allin, Seattle, Wash. Hydraulic giant nozzle. 2,612,402, Sept. 30.

Misfeldt, Charles C., Chicago, Ill. Extrusion molding machine. 2,581,550, Jan. 8.

Mish, John, Jr., assignee: *See*—
Wiesstort, Vincent K.

Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Dosmann, Lucian P.
Pepperman, Woods J., Jr.

Mishler, Archie L., Portland, Oreg., F. Brock Miller trustee of the estate of said A. L. Mishler, bankrupt. Pattern roll table. 2,608,780, Sept. 2.

Misiak, John F., Jr., Chicago, Ill. Notebook. 2,606,041, Aug. 5.

Miskovsky, Anton: *See*—
Zimic, Michael, and Miskovsky.

Mission Appliance Corporation, assignee: *See*—
Miller, Avy L., and Giertz.

Mississippi Valley Research Laboratories, Inc., assignee: *See*—
Doelling, George L., and Adams.

Misson, William H., Los Altos, Calif. Paper punch. 2,587,749. Mar. 4.

Missouri Automatic Control Corporation, assignee: *See*—
Allan, William J.
Cobb, Clifton A.
Garner, Claude M.
Garner, Claude M., and Allan.
Pratt, Ryder.
Watson, Robert A.
Yelda, John O.

Mitacek, George C., San Francisco, and C. T. Hammons, Berkeley, assignors to Spark Stove Co., Inc., Oakland, Calif. Space heater and air circulating accessory therefor. 2,613,663, Oct. 14.

Mitchell, Alec B.: *See*—
Frankel, Adolf, and Mitchell.

Mitchell, Allan F., assignor to Drenching Equipment Company Limited, Wanganui, Wellington, New Zealand. Device for administering drenches to livestock. 2,609,819, Sept. 9.

Mitchell, Amelia E. M., Ponchatoula, La. Bedpan. 2,591,850, Apr. 8.

Mitchell, Archibald R., Hornchurch, England. Door latch and adjustable keeper. 2,609,224, Sept. 2.

Mitchell Camera Corporation, assignee: *See*—
Evnaets, Vernon J., and Mitchell.
Manderfeld, Emanuel C.
Mitchell, George A.
Silent, Harold C.

Mitchell, Charles, Longview, Wash., assignor to H. Mitchell. Logger's pike. 2,584,488, Feb. 5.

Mitchell, Clarence E., Garden Grove, Calif. Auxiliary seat for vehicles and the like. 2,587,194, Feb. 26.

Mitchell, Clifford E., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of microphonic carbon. 2,606,817, Aug. 12.

Mitchell, Clyde O., Clifton, N. J., assignor to Howe Machinery Company, Inc. Apparatus for making belts. 2,588,647, Mar. 11.

Mitchell, Colin C., assignor to Brown Brothers & Co. Limited, Edinburgh, Scotland. Cylinder and piston construction. 2,603,190, July 15.

Mitchell, Courtney N., deceased, Strongsville, Ohio, by E. Mitchell, administratrix, Cleveland, Ohio. Balling gun. 2,587,364, Feb. 26.

Mitchell, Don G., Summit, N. J., assignor to Sylvania Electric Products, Inc. Lamp container. 2,593,689, Apr. 22.

Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Tuner. 2,581,966, Jan. 8.

Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Simplified chassis for electronic equipment. 2,581,967, Jan. 8.

Mitchell, Edith, administratrix: *See*—
Mitchell, Courtney N.

Mitchell, Edward, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Separating colloidally dispersed iron particles from organic liquids. 2,590,997, Apr. 1.

Mitchell, Edward J.: *See*—
Druge, Daniel O., and Mitchell.

Mitchell, Fred L., Greenbrae, Calif. Cutter device for composition floor tiles. 2,608,255, Aug. 26.

Mitchell, Frederick G., London, England. Carrier-type endless conveyer. 2,582,881, Jan. 15.

Mitchell, Frederick G., London, England. Endless bucket conveyer. 2,595,689, May 6.

Mitchell, Frederick G., London, England. Vehicle chocking mechanism for tipplers. 2,620,077, Dec. 2.

Mitchell, George A.: *See*—
Evnaets, Vernon J., and Mitchell.

Mitchell, George A., Pasadena, assignor to Mitchell Camera Corporation, Glendale, Calif. Intermittent film movement with fast pulldown. 2,618,196, Nov. 18.

Mitchell, George E.: *See*—
Phelps, Byron E., and Mitchell.

Mitchell, Gerald A.: *See*—
Bennett, Arthur L., and Mitchell.

Mitchell, Gladys C., Eugene, Oreg. Folding bed. 2,617,999, Nov. 18.

Mitchell, Harold R., assignee: *See*—
Plough, Harold E.

Mitchell, Helen, assignee: *See*—
Mitchell, Charles.

Mitchell, Henry R.: *See*—
Broadbent, John H., and Mitchell.

Mitchell, Howard B., Larkspur, Calif. Multicolored electric flashlight. 2,606,242, Aug. 5.

Mitchell, Jack C.: *See*—
Grizzard, Earle D., Collar, and Mitchell.

Mitchell, James, assignor to J. H. Fenner & Company Limited, Marfleet, Hull, England. Expansible pulley. 2,611,277, Sept. 23.

Mitchell, James H., assignee: *See*—
Smith, Frank H.

Mitchell, Jesse C., Seven Mile, Ohio. Fishing rod holder. 2,593,783, Apr. 22.

Mitchell, John T., Memphis, Tenn. Water-powered actuator. 2,599,273, June 3.

Mitchell, Len B., Wheaton, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line identification dial. 2,581,689, Jan. 8.

Mitchell, Len B., Wheaton, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Station identification for party lines. 2,615,094, Oct. 21.

Mitchell, Lesher A.: *See*—
Crouch, Willie W., and Mitchell.

Mitchell, Malcolm, assignee: *See*—
Fallon, Eduardo.

Mitchell, Percival H., Toronto, Ontario, Canada. Elliptical type street lighting reflector incorporating parabolic reflecting areas. 2,600,514, June 17.

Mitchell, Percival H., Toronto, Ontario, Canada. Street lighting reflector with parabolic upward curvature formation. 2,619,581, Nov. 25.

Mitchell, Reginald F., Mount Vernon, N. Y. Layout or hole locating device. 2,599,652, June 10.

Mitchell, Reginald F., Mount Vernon, N. Y. Optical means for evaluating surface finish by measurement of differential light scattering in a Schlieren type optical system. 2,604,809, July 29.

Mitchell, Reginald G., Brighton, H. C. Tait, Teddington, W. C. Webber, New Malden, R. G. Aickin, Teddington, P. A. Winsor, Great Sutton, and A. V. Billinghame, Eltham, England, assignors to Shell Development Company, San Francisco, Calif. Emulsifier compositions. 2,612,477, Sept. 30.

Mitchell, Reid L.: *See*—
Schlosser, Paul H., and Mitchell.

Mitchell, Rollie H.: *See*—
McKay, William R., and Mitchell.

Mitchell, Wallace F., assignor to M B G Corporation, Chicago, Ill. Spring. 2,614,830, Oct. 21.

Mitchell, Walter F., Brimingham, Ala., assignor to United States Steel Company. Railway car retarder. 2,618,364, Nov. 18.

Mitchell, Walter G., assignor to Independent Pneumatic Tool Company, Aurora, Ill. Impact type clutch. 2,585,486, Feb. 12.

Mitchell, William H., Limo, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush mechanism. 2,615,939, Oct. 28.

Mitchell, William J.: *See*—
Jacobsen, Bent B., and Mitchell.

Mitchell, Winifred R., Lynbrook, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Producing tyrothricin. 2,602,043, July 1.

Mitcheltree, Walter F., Lincolnshire, assignor to Cardox Corporation, Chicago, Ill. Electrically ignited match head and making the same. 2,606,475, Aug. 12.

Mittag, Albert H.: *See*—
Alexanderson, Ernst F. W., Mittag, and Kuenning.

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Phase shifting network. 2,598,433, May 27.

Mittag, Albert H., and M. J. Mulhern, Schenectady, N. Y., assignors to General Electric Company. Voltage control system. 2,600,315, June 10.

Mittell, Carl E., Sumter, S. C., assignor of one-half to John Evans Manufacturing Company, Inc., and one-half to T. N. Busch, Mobile, Ala. Transportation assembly. 2,589,842, Mar. 18.

Mittelmann, Eugene: *See*—
Jenett, Henry, and Mittelmann.

Mittelmann, Eugene, Chicago, Ill., assignor to H. Jenett, Montclair, N. J. Apparatus for heating and mixing plastic compositions. 2,589,417, Mar. 18.

Mittelstaedt, Victor, Poughkeepsie, N. Y. Fabric cutter. 2,601,414, June 24.

Mittendorf, Harvey C.: *See*—
Caracristi, Virginius Z., and Mittendorf.
Paulison, William L., Jr., and Mittendorf.

Mittendorf, Harvey C., East Orange, and W. L. Paulison, Jr., Ridgewood, N. J., said Mittendorf assignor to Combustion Engineering-Superheater, Inc., and said Paulison assignor to Bailey Meter Company. Control system for electric steam generators. 2,612,593, Sept. 30.

Mittomme, Peter: *See*—
Bunch, Peter, Mittomme and Jennings.

Mitzeldfeld, Thomas H., and A. W. Zmuda, assignors to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,589,418, Mar. 18.

Mix, Alexander, San Diego, Calif. Razor blade magazine and receiver. 2,622,322, Dec. 23.

Mix, Edward E.: *See*—
Palmer, Oscar C., and Mix.

Mix, Edwin S., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie clasp. 2,581,274, Jan. 1.

Mix, Edwin S., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Mounting for character bearing members. 2,603,016, July 15.

Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., New York, N. Y. Protective device for sorting machines. 2,605,102, July 29.

Mixing Equipment Co., Inc., assignee: *See*—
Boutros, Richard D.
Everett, Harvey J.

Mixon, Lawson W.: *See*—
Roberts, Edward N., and Mixon.

Mize, George G., assignor to Diamond Chain Company, Inc., Indianapolis, Ind. 2,587,365, Feb. 26.

Mize, Paul D., Detroit, Mich. Machine for applying solid rubber tires to wheel rims. 2,613,736, Oct. 14.

Mjelva, Ingvald, Seattle, Wash. Lawn edger. 2,592,450, Apr. 8.

Mlynczak, Lawrence L., West Allenhurst, N. J., assignor to the United States of America as represented by the Secretary of War. High-frequency oscillator. 2,619,597, Nov. 25.

"Mme E. Garnett," assignee: *See*—
Garnett, Eleanora.

Mo Och Domsjo Aktiebolag, assignee: *See*—
Ekman, Sven U.

Mo och Domsjö Aktiebolag, Ornskoldsvik, assignee: *See*—
Samuelson, Hans O.

Moberg, Ivar O., Spray, N. C., assignor to Marshall Field and Company, Chicago, Ill. Distortion weave fabric structure. 2,613,695, Oct. 14.

Mobile Sets, Inc., assignee: *See*—
Pelton, Fred E.

Mobley, Edwin H., assignor to Bloomer Bros. Company, Newark, N. Y. Device for setting up collapsible cellular cartons. 2,586,551, Feb. 19.

Mochel, John M., Louisville, Ky., assignor to Corning Glass Works, Corning, N. Y. Electrically conducting coating on glass and other ceramic bodies. Re. 23,555, Sept. 30.

Mochel, John M., Louisville, Ky., assignor to Corning Glass Works, Corning, N. Y. Electrically conducting coating on glass and other ceramic bodies. Re. 23,556, Sept. 30.

Mochel, John M., Oak Ridge, Tenn., assignor to Corning Glass Works, Corning, N. Y. Making compositions of tin oxide. 2,585,341, Feb. 12.

Mochel, Norman L., Ridley Park, and J. A. Pratt, Prospect Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacturing turbine blades. 2,620,554, Dec. 9.

Mociun, Anthony T. A., Manhattan Beach, Calif., assignor to North American Aviation, Inc. Resistance welded dome nut. 2,583,868, Jan. 29.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel feed responsive to air pressure and temperature, fuel flow, and speed for gas turbines. 2,581,275, Jan. 1.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel feed and power control system for gas turbines, jet propulsion, and the like. 2,581,276, Jan. 1.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Jet engine fuel control for modifying fuel pressure drop across throttle in accordance with altitude. 2,616,254, Nov. 4.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Combustion chamber with air inlet means providing a plurality of concentric strata of varying velocities. 2,616,257, Nov. 4.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Jet engine combustion apparatus, including pilot burner for ignition and vaporization of main fuel supply. 2,616,258, Nov. 4.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Control system for gas turbine propeller engines. 2,616,508, Nov. 4.

Mock, Henri L., Garfield Heights, Ohio. Eyecup attachment for containers. 2,585,264, Feb. 12.

Mock, Leon R.: *See*—
Eckert, John P., Jr., and Mock.

Mock, Ray E.: *See*—
Hall, Robert C., and Hall.

Mock, Thomas M., Los Angeles, Calif. Fluid pump. 2,615,401, Oct. 28.

Mockel, Fred A., Kettle Falls, Wash. Load binder. 2,587,874, Mar. 4.

Modée, Gustav V. G., J. H. Strandlund and F. Ek, Stockholm, Sweden. Switching system for communication of intelligence. 2,598,412, May 27.

Model Crafters Inc., assignee: *See*—
Allen, William M.

Modern-Aire Mfg. Corp., assignee: *See*—
Turek, Stanley P.

Modern Equipment Company, assignee: *See*—
Richardson, John N.

Modern Faucet Mfg. Co., assignee: *See*—
Bletcher, Ralph E., Bentley, and Ward.

Modern Metal Products Company, assignee: *See*—
Smith, Harvey J.

Modern Music, Inc., assignee: *See*—
Burnett, John L., and Smith.

Modern Products, Inc., assignee: *See*—
Wilcox, Warren, and Daniel.

Modern Telephone Corporation, assignee: *See*—
Ivens, Edgar, and Wall.

Modes, Edward E., assignor to The Powers Regulator Company, Chicago, Ill. Balanced three-way valve. 2,601,989, July 1.

Modigliani, Piero, Manhasset, assignor to Johns-Manville Corporation, New York, N. Y. Making flexible unwoven fabric. 2,609,320, Sept. 2.

Modine Manufacturing Company, assignee: *See*—
Simpelaar, Clyde S.
Spieth, Benjamin.

Modoc Laboratories, Inc., assignee: *See*—
Cox, Lee R.

Modrey, Henry J., Newark, N. J. Electrical coupling for detachably connecting conductor ends. 2,606,224, Aug. 5.

Modrovsky, Joseph: *See*—
Loos, Robert A., Mezger, and Modrovsky.

Moe Brothers Manufacturing Company, assignee: *See*—
Boutelle, Allen O., and Kuder.

Moe, Einar, Seattle, Wash. Clothesline container. 2,615,582, Oct. 28.

Moe Light, Inc., assignee: *See*—
Sperry, Edward B.

Moe, Owen A.: *See*—
Opie, Joseph W., Warner, and Moe.

Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Gels of carboxyalkyl ethers of carbohydrate gums. 2,599,771, June 10.

Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Gamma-nitro-gamma-carbalkoxy butyraldehydes and process. 2,599,653, June 10.

Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of 1,5-ketonaldehydes. 2,610,204, Sept. 9.

Moe, Robert E., Syracuse, N. Y., assignor to General Electric Company. Sawtooth wave generator. 2,581,199, Jan. 1.

Moe, William W.: *See*—
Hall, Vincent C., and Moe.

Moe, William W., Stratford, Conn., assignor to Time, Incorporated, New York, N. Y. Modulation system. 2,580,692, Jan. 1.

Moe, William W., Stratford, Conn., assignor to Time, Inc., New York, N. Y. Alternating-voltage compression network. 2,581,124, Jan. 1.

Moede, Jerome A., New Brunswick, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Purification of silver nitrate solutions. 2,614,029, Oct. 14.

Moehl, Reno W.: *See*—
Webb, Glenn M., and Moehl.

Moehle, Walter, and Walter Moehle, Jr., Morristown, N. J. Locking thread structure. 2,581,690, Jan. 8.

Moehle, Walter, Jr.: *See*—
Moehle, Walter and Walter, Jr.

Moehler, Otto J., assignor to Conmar Products Corporation, Newark, N. J. Separable slide fastener. 2,583,386, Jan. 22.

Moehler, Otto J., assignor to Conmar Products Corporation, Newark, N. J. Separable slide fasterner. 2,588,648, Mar. 11.

Moehler, Otto J., assignor to Conmar Products Corporation, Newark, N. J. Slide fastener with releasing top stop. 2,601,710, July 1.

Moehler, Otto J., assignor to Conmar Products Corporation, Newark, N. J. Slide fastener with releasing end stop. 2,618,828, Nov. 25.

Moeller, George L., assignor, by mesne assignments, to Knapp-Monarch Co., St. Louis, Mo. Fan blade structure. 2,585,265, Feb. 12.

Moeller, Harry A., and Claude L. Orr, assignors to The Buckeye Steeel Castings Company, Columbus, Ohio. Slack adjuster for brakes. 2,612,240, Sept. 30.

Moeller, Ruth A., Miami, Fla. Drop seat garment. 2,611,132, Sept. 23.

Moeller, William C., assignor, by mesne assignments, to Parmelee Plastics Company, Kansas City, Mo. Eyeshield structure. 2,582,345, Jan. 15.

Moeller, William C., assignor, by mesne assignments, to Parmelee Plastics Company, Kansas City, Mo. Hinged structure. 2,594,335, Apr. 29.

Moeller, William C., assignor, by mesne assignments, to Parmelee Plastics Company, Kansas City, Mo. Optical eye shield. 2,617,100, Nov. 11.

Moeller, William P.: *See*—
Eckler, Leopold, and Moeller.

Moen, Alfred M., assignor of one-tenth to R. O. Boyker, Seattle, Wash. Faucet. 2,609,205, Sept. 2.

Moen, Alfred M., assignor of one-tenth to R. O. Boyker, Seattle, Wash. Mixing faucet. 2,609,206, Sept. 2.

Moen, Anver B., St. James, Minn. Wagon steering mechanism. 2,603,503, July 15.

Moen, Otto, Riisvelen, Vinderen, Oslo, Norway. Driving means for dynamo hubs. 2,602,339, July 8.

Moen, Rolf, and M. S. Dalquist, Minneapolis, Minn., assignors to General Mills, Inc. Grain handling. 2,585,026 Feb. 12

Moergeli, Eduard, Neuewelt, near Basel, assignor to Ciba Limited, Basel, Switzerland. Di(1.4 diamino-2-arylketone anthraquinone) amides of aromatic dicarboxylic acids. 2,598,587, May 27.

Moerger, John N., assignee: *See*—
Noel, William A.

Moerman, Willem, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric arc welding. 2,587,195, Feb. 26.

Moersch, George W., and A. C. Moore, assignors to Parke, Davis & Company, Detroit, Mich. 1-p-nitrophenyl-2-dihalonacetamidopropane-1,3-diol cyclic carbonate and sulfite. 2,587,641, Mar. 4.

Moesinger, Fred, Jr., Morristown, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. External powder scarfing process and apparatus. 2,622,048, Dec. 16.

Moessinger, Albert, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Thread brake. 2,592,818, Apr. 15.

Moessinger, Albert, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Claw clutch. 2,592,819, Apr. 15.

Moessinger, Albert, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Harness control. 2,592,820, Apr. 15.

Moffat, Alexander W.: *See*—
Cahners, Norman L., and Moffat.

Moffett, Frank W., Jr., Chill, N. Y. Heating frozen food packages. 2,600,566, June 17.

Moffett, Le Roy, Tarrytown, N. Y., assignor to Radio Corporation of America. Signal gain control circuits. 2,610,260, Sept. 9.

Moffett, Robert B.: *See*—
Hunter, James H., and Moffett.

Moffett, Robert B., assignor to The Upjohn Company, Kalamazoo, Mich. 2-Isopropylmethylaminoethyl ester of phenylcyclohexenylacetic acid and salts thereof. 2,586,849, Feb. 26.

Moffett, Robert B., assignor to The Upjohn Company, Kalamazoo, Mich. 2-Isopropylmethylaminopropyl ester of phenylcyclohexenylacetic acid and salts thereof. 2,586,850, Feb. 26.

Moffett, Robert B., assignor to The Upjohn Company, Kalamazoo, Mich. Steroid 20-21 enol acetates. 2,595,596, May 6.

Moffett, Thomas S., Vancouver, Wash. Flexible frame seed drill. 2,586,246, Feb. 19.

Moffitt, Ralph C., Louisville, and C. C. Chelf, Lebanon, Ky., assignors of one-third to said Moffitt and two-thirds to said Chelf. Vehicle operation recorder. 2,584,149, Feb. 5.

Mogel, Alvin S., Limerick, Pa. Grass cutter. 2,583,113, Jan. 22.

Mogridge, William P., assignor to Slumber Products Corporation, Memphis, Tenn. Spring assembly. 2,621,340, Dec. 16.

Mohawk Carpet Mills, Inc., assignee: *See*—
Ammerall, Albert J.
Cogovan, Edward J., and Friderici.
Faris, Harold P.
Faris, Harold P., and Ammerall.
Hamilton, Kenneth, Jr.
Pospiszel, Joseph T.
Rice, Walter A.

Mohler, Donald, Schenectady, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Preparation of organohalogenosilanes from organohalogenopolysilanes. 2,598,434, May 27.

Mohler, Donald, Schenectady, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Treating organopolysilanes. 2,598,435, May 27.

Mohler, Donald, Schenectady, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Preparing organohalogenosilanes. 2,598,436, May 27.

Mohler, James B.: *See*—
Schaefer, Ralph A., and Mohler.

Mohn, Wm. A., & Søn, A/S, assignee: *See*—
Ugelstad, John.

Mohnkern, Gerald E.: *See*—
Chenault, Roy L., and Mohnkern.

Mohns, Leslie F., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate with vibration dampener. 2,613,785, Oct. 14.

Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable frequency relaxation oscillator. 2,593,330, Apr. 15.

Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized multivibrator oscillator. 2,601,444, June 24.

Mohr, Milton E., Pacific Palisades, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse repeater. 2,585,571, Feb. 12.

Mohr, Milton E., Pacific Palisades, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical counter circuit. 2,594,336, Apr. 29.

Mohring, Robert W., Wheaton, Ill. Sash mounting. 2,598,817, June 3.

Mohrlein, George: *See*—
Matyas, Frank A., and Mohrlein.

Mohrmann, Albert L., Brooklyn, N. Y. Weighting member for card sorting racks. 2,613,815, Oct. 14.

Moir, Evelyn: *See*—
Murad, B Bill, and Moir.

Moise, James E., and W. D. Luening, Baton Rouge, La., and W. G. Daroux, Coventry, England, assignors to Standard Oil Development Company. Absorption of ketene. 2,589,112, Mar. 11.

Moise, James E., J. S. Anderson, and F. B. Johnson, Baton Rouge, La., assignors to Standard Oil Development Company. Distillation of oxo alcohols in the presence of intermediate boiling diluents. 2,614,071, Oct. 14.

Mojonnier Bros. Co., assignee: *See*—
McGovern, Bernard J., and Skoll.
Mojonnier, Harry G.

Mojonnier, Harry G., Oak Park, assignor to Mojonnier Bros. Co., Chicago, Ill. Filling machine for liquid containers. 2,617,575, Nov. 11.

Mol, Evert A. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical conductors and making the same. 2,600,567, June 17.

Moland, Warren P., Dorchester, and H. H. Ferris, Milton, Mass. Vacuum tube comparator. 2,590,116, Mar. 25.

Molde, Luthard S.: *See*—
Brunelle, Henry E., Jr., and Molde.

Moldenhauer, August J., Menfro, assignor of one-third to J. H. Bruninga, St. Louis County, Mo. Treating legumes. 2,588,865, Mar. 11.

Moledzky, Sydney, Brooklyn, N. Y. Burglar alarm for vehicles and the like. 2,594,196, Apr. 22.

Moledzky, Sydney, Brooklyn, N. Y. Contact switch for electrical contacts. 2,618,712, Nov. 18.

Molinare, Nicholas, Nutley, assignor to Bendix Aviation Corporation, Teterboro, N. J. Tool for manufacturing spiral groove tubing. 2,611,413, Sept. 23.

Molins, Desmond W., assignor to Molins Machine Company Limited, Deptford, London, England. Machine for making cigarettes having filter or like plug or other mouthpieces. 2,606,560, Aug. 12.

Molins, Desmond W., and F. F. Ruau, Deptford, assignors to Molins Machine Company Limited, London, England. Length sorting device. 2,580,940, Jan. 1.

Molins, Desmond W., and F. F. Ruau, Deptford, assignors to Molins Machine Company Limited, London, England. Tobacco feeding device with suction devices. 2,585,572, Feb. 12.

Molins, Desmond W., and C. Best, Deptford, London, England, and E. A. Chandler, Montreal, Quebec, Canada, assignors to Molins Machine Company Limited, London, England. Photoelectric weighing mechanism. 2,595,803, May 6.

Molins, Desmond W., F. F. Ruau, S. A. Nichols, N. W. Jackson, and H. Williams, Deptford, London, assignors to Molins Machine Company Limited, London, England. Collecting mechanism for cigarettes and other rod-shaped articles. 2,603,395, July 15.

Molins, Desmond W., and F. F. Ruau, Deptford, London, assignors to Molins Machine Company Limited, London, England. Cigarette tray dumping device. 2,605,909, Aug. 5.

Molins, Desmond W., F. F. Ruau, N. W. Jackson, and C. G. Bruce, Deptford, London, assignors to Molins Machine Company Limited, London, England. Receptacle. 2,614,703, Oct. 21.

Molins, Desmond W., and N. W. Jackson, assignors to Molins Machine Company, Limited, Deptford, London, England. Apparatus for making mouthpiece cigarettes. 2,622,602, Dec. 23.

Molins Machine Company Limited, assignee: *See*—
Best, Cyril.
Chalmers, John W., and Jackson.
Hall, Charles T.
Harvey, Valentine P.
Jackson, Donald R. P.
Kemp, William J.
Mason, James A.
Mason, James A., and Roffey.
Molins, Desmond W.
Molins, Desmond W., Best, and Chandler.
Molins, Desmond W., and Jackson.
Molins, Desmond W., and Ruau.
Molins, Desmond W., Ruau, Jackson, and Bruce.
Molins, Desmond W., Ruau, Nichols, Jackson, and Williams.
Roffey, William A., and Tredget.
Ruau, Felix F.

Moll, Pierre, Paris, France. Frequency control device. 2,614,221, Oct. 14.

Molla, Charles P., New Hyde Park, assignor to Molla Incorporated, New York, N. Y. Knockdown chaise longue. 2,620,021, Dec. 2.

Molla, Charles P., New Hyde Park, assignor to Molla Incorporated, Westbury, N. Y., Knockdown metal armed furniture. 2,620,023, Dec. 2.

Molla Incorporated, assignee: *See*—
Molla, Charles P.

Mollendorf, Jean D., Park Ridge, assignor to Illinois Prestcrete Co., Chicago, Ill. Slab handling device. 2,609,225, Sept. 2.

Moller, Conrad G., New Canaan, assignor to The Berger Brothers Company, New Haven, Conn. Fluid control apparatus. 2,622,609, Dec. 23.

Möller, Fredrik André, Haren, assignor to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Manufacturing foodstuffs from cereals. 2,621,126, Dec. 9.

Moller, Poul, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Protective apparatus for bearings. 2,605,859, Aug. 5.

Moller, Poul, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Protective apparatus for bearings. 2,606,081, Aug. 5.

Moller, Wharton E., Los Fresnos, Tex. Automatic cigarette lighter. 2,582,882, Jan. 15.

Mollo, Eugene, Farnham, assignor to Cheecol Processes Limited and Aerocem Limited, London, England. Applying plasterlike material to structures. 2,602,759, July 8

Molloy, Everett W., Wilmar, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pocket radiation alarm. 2,596,500, May 13.

Molloy, James F., Oakland, Calif. Combined valve and water silencer. 2,588,555, Mar. 11.

Molloy, John A., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Core-supplying means for winding machines. 2,600,793, June 17.

Molloy, John A., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Core-supplying means for winding machines. 2,600,794, June 17.

Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Frequency modulated tone units. 2,589,113, Mar. 11.

Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Carrier telephone system. 2,603,717, July 15.

Moloney, Peter J.: *See*—
May, Sam.
Taylor, Edith M., and Moloney.

Moloney, Raymond T., assignee: *See*—
Auer, William F.
Benak, George R.
Breitenstein, Charles T.
Collins, Edward J.
Collins, Edward J., Breither, and Pearl.
Henry, Earle G., and Galinski.
Hooker, Donald E.
Hooker, Donald E., and Breither.
Nelson, Nels A.

Molstedt, Byron V.: *See*—
Nicolai, Lloyd A., and Molstedt.

Moludy, Rudolph J., Akron, Ohio. Dolly for transporting tripod cameras. 2,613,083, Oct. 7.

Molyneux and Aspenwall, Inc., assignee: *See*—
Molyneux, Cecil P.

Molyneux, Cecil P., Hampton Bays, assignor to Molyneux and Aspenwall, Inc., Long Island City, N. Y. Electromechanical speed governor. 2,611,352, Sept. 23.

Monaco, George C., Little Neck, N. Y. Article wrapping machine. 2,617,240, Nov. 11.

Monaco, Matt: *See*—
Bales, James E., and Monaco.

Monaghan, J. J., Company, Inc., assignee: *See*—
Wilm, Carl C.

Monaghan, James, Bournemouth West, England. Toilet seat sanitation device. 2,592,167, Apr. 8.

Monahan, Fred A., assignor to Morris Farm Machinery Company, Detroit, Mich. Flexible shaft. 2,592,055, Apr. 8.

Mona Lisa Foundations, Inc., assignee: *See*—
Leonard, Joseph.

Monarch Aluminum Mfg. Company, assignee: *See*—
Keating, John H.

Monarch Fuse Co., Ltd., assignee: *See*—
Lear, Max M., Jr.

Monarch Machine Tool Co., The, assignee: *See*—
Bickel, Clifford A., Brandenburg, and Foster.
Greene, Claude E.

Monarch Machine Tool Company, The, assignee: *See*—
De Haas, Max.
Foster, Theodore D., and Lauterbur.
Green, Claude E.
Green, Claude E., and Lesher.

Monarch Manufacturing Works, Inc., assignee: *See*—
Murphy, Thomas W., and Carroll.

Monarch Marking System Company, The, assignee: *See*—
Hamisch, Paul H.
Rieger, Frederic L.

Monarch Tool & Machinery Co., assignee: *See*—
Budreck, Frances.

Monark Silver King, Inc., assignee: *See*—
Meydrech, Raymond F.

Monchablon, Jacques, Marignane, France. Micromanipulator. 2,595,282, May 6.

Moncrief, Lloyd E.: *See*—
Malheiros, Luiz G., and Moncrief.

Moncrieff, Leslie J., London, England, assignor to Celanese Corporation of America. Forming articles such as spectacle frames. 2,589,419, Mar. 18.

Mondet, Paul, assignor to Ateliers Ventil, Lyon, France. Pressure gauge. 2,596,271, May 13.

Moneagle, Otto F.: *See*—
Johnson, Reynold B., Jurgens and Moneagle.

Monette, Gib, assignor to Atomiko, Inc., Chicago, Ill. Welding transformer. 2,591,582, Apr. 1.

Mong, Edgar W., and W. O. Anderson, Los Angeles, Calif. Actuator for reciprocating well pumps. 2,589,420, Mar. 18.

Mongan, Charles E., Jr., Hartford, Conn., assignor to Emhart Manufacturing Company. Apparatus for treating glassware. 2,613,480, Oct. 14.

Monger, Beatrice W., executrix, assignee: *See*—
Monger, Maynard L.

Monger, James F., Chicago, Ill. Hinge mechanism for swinging barriers. 2,584,904, Feb. 5.

Monger, Maynard L., deceased, Royal Oak; by B. W. Monger, administratrix, Detroit, Mich., assignor to B. W. Monger. Buffing and polishing device. 2,601,048, June 17.

Mongin, Georges P.: *See*—
Lambert, Henri J. M., and Mongin.

Monick, John A., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Cooling of sprayed products. 2,612,266, Sept. 30.

Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.

Monitor Process Corporation, assignee: *See*—
Hopwood, John A.
Tamminga, William.

Monk, George S., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Viewing device for radioactive materials. 2,594,970, Apr. 29.

Monk, Ivan, United States Navy, Washington, D. C. Rotary power unit operable on atmospheric energy. 2,597,890, May 27.

Monkres, Omey M.: *See*—
Stein, Sigurd C., and Monkres.

Monkres, Omey M., assignor of fifty per cent to A. P. Smith, Long Beach, Calif. Ball game device. 2,614,840, Oct. 21.

Monleone, Carlo, Suvigliana, near Lugano, Switzerland. Four cylinder four-cycle unitary combustion motor with cylinders in H-disposition. 2,619,943, Dec. 2.

Monnberg, Bror R. M., and A. J. Ora, Rauma, Finland, assignors of one-half to Rauma-Raahe Oy. Making duroquinone. 2,608,561, Aug. 26.

Monnig, Anthony B.: *See*—
Weigand, Sylvester A., and Monnig.

Mono-Cam Limited, assignee: *See*—
Friedlander, William.

Monochrome Limited, assignee: *See*—
Wilsdon, Sydney C.

Monogram Manufacturing Company, assignee: *See*—
Lincoln, Wyiys L.

Monoyer, Maurice, Brussels, Belgium. Pressure transformer. 2,592,940, Apr. 15.

Monro, Randolph, Edgewood, I. C. Brown, Baltimore, Md., C. N. Hinkamp, and F. J. M. Parduhn, Washington, D. C., assignors to United States of America as represented by the Secretary of War. Diaphragm optical gas mask. 2,586,851, Feb. 26.

Monroe Auto Equipment Company, assignee: *See*—
McIntyre, Brouwer D.
McIntyre, Brouwer D. and W. D.
McIntyre, William D.
Stoner, Frank H.
Thompson, Keith R.

Monroe Calculating Machine Company, assignee: *See*—
Burkhart, William H.
Burkhart, William H., and Fleming.
Burkhart, William H., and Sepahban.
Gang, Herman.
Jagacinski, Theodore E.
Maffie, James A.
Pfleger, Frederick W.
Pinckney, Harold W.

Monroe, Homer K.: *See*—
Herrman, Donald D., and Monroe.

Monroe, Homer K., assignor to Hartzell Propeller Fan Company, Piqua, Ohio. Reversible propeller blade. 2,609,055, Sept. 2.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Synthetic resins from natural polyhydroxy phenols. 2,582,265, Jan. 15.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Synthetic resins from natural polyhydroxy phenols. 2,582,266, Jan. 15.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Surface coating compositions containing ethers of catechol type of tanning agent. 2,582,500, Jan. 15.

Monroe, Lawrence W., Long Beach, Calif. Overflow indicator. 2,604,522, July 22.

Monroe, Paul S., Elyria, Ohio, assignor to The Pfaulder Co., Rochester, N. Y. Variable speed rotary hydraulic coupling. 2,601,548, June 24.

Monsanto Chemical Company, assignee: *See*—
Adams, James F., Bauer, and Taylor.
Baer, Massimo, and Fordyce.
Bartram, Thomas W.
Basdekis, Costas H., and Jackson.
Bauer, Edmund S., Jr.
Beardsell, Wallace A., and Hay.
Beaver, David J.
Benignus, Paul G.
Bonzagni, Francis A.
Bowen, Albert H.
Boyd, Thomas.
Boyd, Thomas, and Green.
Bruner, Harold E.
Butler, John M.
Cameron, Martha E.
Chadwick, David H.
Chapin, Earl C.
Chapin, Earl C., and Weeks.
Cohen, Oscar P.
Craig, Alfred B., and Gluesenkamp.
Creed, Kenneth E., Jr.
Dazzi, Joachim.
Durgin, Charles B.
Dye, William T., Jr.
Eaker, Charles M.
Emerson, William S.
Emerson, William S., and Heimsch.
Emerson, William S., and Longley.
Fantl, Joel.
Fields, Joseph E., and Wesp.
Fincke, John K.
Gamrath, Harry R., and Craver.
Gamrath, Harry R., and Weesner.
Gehrke, Willard H.
Gluesenkamp, Earl W.
Gluesenkamp, Earl W., and Dazzi.
Gluesenkamp, Earl W., and Patrick.
Golick, Alexander J.

Monsanto Chemical Company, assignee: *See*—Continued.
Ham, George E.
Ham, George E., and Chapin.
Hardy, Edgar E.
Hardy, Edgar E., and Jackson.
Harman, Marion W.
Harris, Jay C., and Kosmin.
Hartzog, Buford H.
Harvey, Dorothy J., and Zienty.
Heider, Rudolph L.
Heimsch, Robert A., and Emerson.
Hill, Rutherford B.
Hood, Ralph S.
Hubbard, Harold L., and Steahly.
Hurley, Forrest R.
Ingram, Joseph R.
Jackson, Elwood F.
Kaberg, Russell A.
Kosmin, Milton.
Kosmin, Milton, and Butler.
Kosmin, Milton, and Gluesenkamp.
Kosmin, Milton, and Harris.
Kosolapoff, Gennady M.
Kyrides, Lucas P.
Lang, William A.
Lefforge, John W., and Hudson.
Malinowski, Theodore P.
Malowan, John E., and Hurley.
Marling, Paul E.
Marling, Paul E., and Nielsen.
Meyer, Ferdinand C.
Morrill, Henry L.
Mowry, David T.
Mowry, David T., and Schlesinger.
Nichols, William T.
Nielsen, Lawrence E.
Nielsen, Morris L.
Nielsen, Morris L., Arnold, and Chapin.
Nielsen, Morris L., and Marling.
Nielsen, Morris L., and Nason.
Niles, George E.
Park, Harold F.
Park, Harold F., and Scott.
Park, Harold F., and Walter.
Patrick, Tracy M., Jr.
Rogers, David F.
Rossin, Elmer H.
Schlesinger, Arthur H., and Mowry.
Scott, Milton J., and Jackson.
Skalkeas, Basil G.
Slocombe, Robert J.
Slocombe, Robert J., and Wesp.
Stehman, Carlyle J.
Thomas, Charles A., Logue, and Seelig.
Throdahl, Monte C.
Tomlin, Andrew.
Trementozzi, Quirino A.
Walter, Henry A.
Weesner, William E.
Wilson, Ivan V., and Marotta.
Wilson, Robert A.
Wolf, Robert L.
Yates, William F.
Zerbe, Richard O.
Zienty, Ferdinand B.

Monserrat, Enrique, Manila, Philippine Islands. Anus spraying apparatus. 2,605,477, Aug. 5.

Monson, David: *See*—
Deysher, William L., and Monson.

Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Inhibiting scale deposition. 2,589,195, Mar. 11.

Monson Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Mixture of surface-active materials and making same. 2,589,196, Mar. 11.

Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Mixture of surface-active materials and making same. 2,589,197, Mar. 11.

Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation. Inhibiting foam. 2,622,070, Dec. 16.

Monson, Louis T., Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking oil-in-water emulsions. 2,589,198, Mar. 11.

Monson, Louis T., Puente, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking emulsions of the oil-in-water class. 2,589,199, Mar. 11.

Monson, Louis T., Puente, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking emulsions of the oil-in-water class. 2,589,200, Mar. 11.

Monson, Louis T., Puente, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking emulsions of the oil-in-water class. 2,589,201, Mar. 11.

Monson, Louis T., Puente, Calif., assignor to Petrolite Corporation. Inhibiting foam. 2,622,069, Dec. 16.

Monson, Oscar P., Kenosha, Wis. Valve. 2,583,869, Jan. 29.

Montabone, Oscar, assignor to Fiat S. A., Turin, Italy. Device for circulating cooling water in internal-combustion engines. 2,597,512, May 20.

Montague, Homer R.: *See*—
Hurrey, Ross C., and Montague.

Montali, Andrew, Avonmore, Pa. Spinning fish lure. 2,587,360, Feb. 26.

Montanus, Richard C., Dayton, assignor to The Springfield Machine Tool Co., Springfield, Ohio. Indicating and setting mechanism for machine tools. 2,584,360, Feb. 5.

Montanus, Richard C., Dayton, R. H. Mumma, Springfield, and R. H. Davies, Shaker Heights, assignors to The Springfield Machine Tool Co., Springfield, Ohio. Machine tool construction. 2,621,552, Dec. 16.

Montclair Research Corporation, assignee: *See*—
MacKenzie, Charles A., and Schoffman.
Robertson, John W.
Rust, John B.
Rust, John B., and Pfeifer.
Splaiter, Leonard, and MacKenzie.

Monte, Albert, assignee: *See*—
Starke, Nathan.

Montecatini Societa Generale per l'Industria Mineraria e Chimica Anonima, assignee: *See*—
Maragliano, Domenico.
Valgiusti, Serafino.

Montegna, Bruno: *See*—
Romine, Earnest C., and Montegna.

Monteith, Bennett D., Oklahoma City, Okla. Differential jack and carrier. 2,583,114, Jan. 22.

Montel, Joseph I.: *See*—
Thurber, Walter P., and Montel.

Montelius, Carl O. J., Stockholm, Sweden. Screw pump. 2,590,561, Mar. 25.

Montelius, Carl O. T., Stockholm, Sweden. Screw pump. 2,590,560, Mar. 25.

Montemarani, Ferdinand, Fort Erie, Ontario, Canada. Variable speed mechanism. 2,609,700, Sept. 9.

Montenare, Anthony, Reading, Pa. Reed for wind instruments. 2,599,574, June 10.

Montenyohl, Victor I., West Chester, Pa., and C. M. Olson, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of silica sols from silicon metal. 2,614,993, Oct. 21.

Monteverde, Armando P., Caracas, Venezuela. Automobile bumper attachable rack. 2,593,908, Apr. 22.

Montgomery, Carol G.: *See*—
Purcell, Edward M., and C. G. and D. D. Montgomery.

Montgomery, Carol G., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ultrahigh-frequency mixing circuits. 2,589,843, Mar. 18.

Montgomery, Charles W., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Synthesizing hydrocarbons. 2,602,810, July 8.

Montgomery, Charles W., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Synthesis of hydrocarbons. 2,602,811, July 8.

Montgomery, Charles W., and W. I. Gilbert, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Deoxygenating and isomerizing a Fischer-Tropsch stock. 2,589,273, Mar. 18.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Sprocket or the like. 2,596,501, May 13.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Collet. 2,619,357, Nov. 25.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Holder for circular tools. 2,617,177, Nov. 11.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Collet plug. 2,608,414, Aug. 26.

Montgomery, Donald J., Aberdeen, and K. A. Yamakawa, Bel Air, Md. Radiation intensity meter. 2,623,184, Dec. 23.

Montgomery, Dorothy D.: *See*—
Purcell, Edward M., and C. G. and D. D. Montgomery.

Montgomery, Duncan B., Gardenville, and E. V. Hegg, Eggertsville, N. Y., assignors to Blaw-Knox Company, Pittsburgh, Pa. Flaking fused crystalline solids. 2,613,396, Oct. 14.

Montgomery, Edna M., Peoria, H. F. Conway, Creve Coeur, and F. B. Weakley, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Slurry adsorption separation and fractionation of sugars. 2,610,931, Sept. 16.

Montgomery, Edward: *See*—
Price, Herbert K., and Montgomery.

Montooth, George A., Long Beach, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Pin changer for bowling pin setters. 2,621,045, Dec. 9.

Montgomery, George E., assignor to Crane Packing Company, Chicago, Ill. Drive for rotary mechanical seals with O rings. 2,585,154, Feb. 12.

Montgomery, Harold R., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Mixed borides. 2,613,154, Oct. 7.

Montgomery, Hugh E., Jacksonville, Fla. Machine for folding paper box blanks on a stack thereof. 2,609,736, Sept. 9.

Montgomery, John R., Chicago, Ill., assignor to American Totalisator Company, Inc., Baltimore, Md. Ticket printing and issuing machine. 2,594,787, Apr. 29.

Montgomery, John R., assignor to Truscon Steel Company, Youngstown, Ohio. Pressed steel doorframe construction. 2,601,164, June 17.

Montgomery, John T., assignor to Pilot Manufacturing Company, San Francisco, Calif. Pipe machining tool. 2,607,376, Aug. 19.

Montgomery, Orin C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Sealed shaft and alignment coupler for use in electrical assembly. 2,614,157, Oct. 14.

Montgomery Steel Products Corp., assignee: *See*—
Jenkins, Howard M., Jr.

Montgomery Ward & Co., assignee: *See*—
Quelle, Frederick W.

Montgomery Ward and Company, Inc., assignee: *See*—
Anderson, Louis A., and Slattery.

Montgomery Ward & Co., Incorporated, assignee: *See*—
Muerle, Richard W.

Montgomery, William E., Wilmington, Del., assignor to American Car and Foundry Company, New York, N. Y. Packing and application. 2,608,728, Sept. 2.

Monticello Bobbin Company, assignee: *See*—
Harvey, David N., Jr.

Montifrost, Maurice, assignor to Societe Anonyme des Etablissements Ducellier, Paris, France. Engine ignition timer. 2,595,690, May 6.

Montooth, George A., Long Beach, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin pickup apparatus. 2,616,693, Nov. 4.

Montooth, George A., Long Beach, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin handling apparatus. 2,616,694, Nov. 4.

Montooth, George A., Long Beach, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin pickup apparatus. 2,610,750, Nov. 4.

Montooth, George A., and A. M. Bowen, Long Beach, Calif., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling ball and pin handling apparatus. 2,615,716, Oct. 18.

Montopoli, George J.: *See*—
Clark, James D., and Montopoli.

Montres Rolex S. A. (Rolex Watch Co. Ltd.), assignee: *See*—
Huguenin, Marc.
Prêtre, Armand.

Montrose Chemical Company, assignee: *See*—
Rosin, Jacob.

Montrose Chemical Corporation of California, assignee: *See*—
Kallok, John L.

Montrose-Oster, Louis E. W., Brussels, Belgium, assignor of one half to Pollopas Patents Limited, London, England. Suspension system for vehicles. 2,621,057, Dec. 9.

Montrose-Oster, Louis E. W., Brussels, Belgium, assignor of one half to Pollopas Patents Limited, London, England. Suspension system for vehicles. 2,621,058, Dec. 9.

Montross, Eugene E., assignor to The Polymer Corporation, Reading, Pa. Forming nylon strip stock. 2,585,156, Feb. 12.

Monyhan, Clyde W., Evansville, Ind. Hair clipper guide. 2,593,168, Apr. 15.

Moody, Arthur J., administrator: *See*—
Moody, Charles E.

Moody, Charles E., deceased, Visalia, Calif.; A. J. Moody, administrator. Scraping and leveling machine. 2,586,977, Feb. 26.

Moody, Clark J., New York, N. Y., assignor to California Research Corporation, San Francisco, Calif. Starting of internal-combustion engines. 2,590,445, Mar. 25.

Moody, John W.: *See*—
Wicker, Dan B., Yehling, and Moody.

Moody, Kenneth L., Manitowish, Wis. Hydraulic pumping device. 2,608,160, Aug. 26.

Moody, Leonard E., Elizabeth, and J. W. Hand, Jr., Summit, N. J., assignors to Standard Oil Development Company. Rust preventive. 2,591,583, Apr. 1.

Moody, Norman F.: *See*—
Williams, Frederic C., and Moody.

Moody, Norman F., and D. M. McCallum, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Alternating current impedance bridge. 2,623,929, Dec. 30.

Moody, Thomas J., Louisville, Ky., assignor to Robertshaw-Fulton Controls Company. Safety device for Diesel and internal-combustion engines. 2,603,690, July 15.

Moody, Vernon N.: *See*—
Kadets, Martin, and Moody.

Moody, Walter F., Thompsonville, Conn., assignor, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y. Cleaned and degreased wool sliver and processes employing the same. 2,587,504, Feb. 26.

Moody, Walter F., assignor to Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn. Pile fabric floor covering and pile yarn therefor made from cleaned and degreased wool sliver. 2,587,505, Feb. 26.

Moohl, Johan G., Cleveland Heights, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Grinding machine. 2,619,851, Dec. 2.

Moohl, Johan G., Cleveland Heights, and V. T. Tanski, assignors to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Stock clamp. 2,602,215, July 8.

Moolten, Sylvan E., New York, N. Y., assignor to American Cholesterol Products, Inc. Blood platelet count influencing factors preparation. 2,616,826, Nov. 4.

Moomaw, Lewis H., Great Neck, assignor to DeJur-Amsco Corporation, Long Island City, N. Y. Projection and rewinding system for motion-picture projectors. 2,604,271, July 22.

Moomaw, Lewis H., Great Neck, N. Y., and H. Bernzott, Niles, assignors to Bell & Howell Company, Chicago, Ill. Photographic camera. 2,581,691, Jan. 8.

Moon, Arthur W., Middletown, Ohio. Dust cover for books. 2,600,672, June 17.

Moon, Clifford G., assignor to Draper Corporation, Hopedale, Mass. Stop motion for looms. 2,619,128, Nov. 25.

Moon, James, Altadena, assignor to Western Oil Tool & Engineering Co. Inc., Glendale, Calif. Portable derrick. 2,583,958, Jan. 29.

Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Drill head. 2,595,401, May 6.

Moon, James, Altadena, assignor to Western Oil Tool & Engineering Co. Inc., Hollydale, Calif. Hoist drum control. 2,620,909, Dec. 9.

Moon, James, Altadena, Calif. Power slip. 2,623,257, Dec. 30.

Moon, Robert J., Chicago, Ill., assignor to the United States of America as represented by the Secretary of War. Electron ratchet tube. 2,597,360, May 20.

Moon, Sterling C., Worthington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic transmission of the swash plate type pump and motor, and control mechanism therefor. 2,588,866, Mar. 11.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Belt conveyor drive. 2,591,089, Apr. 1.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Wheel suspension and steering assembly. 2,591,584, Apr. 1.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Drill feed mechanism with reciprocating nonrotating feed cylinder. 2,610,029, Sept. 9.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Electric cable reel. 2,612,569, Sept. 30.

Moonert, Harold F., assignee: *See*—
Dickey, Charles N.
Freedman, Benjamin H.
Freedman, Benjamin H., and Heggedal.
Heggedal, Emil J.

Moonert, Harold F., Willoughby, assignor, by mesne assignments, to Mark King Corporation, Cleveland, Ohio. Fountain pen. 2,623,227, Dec. 30.

Mooney, Melvin, Mountain Lakes, N. J., assignor to United States Rubber Company, New York, N. Y. Thermally compensated rubber springs. 2,612,369, Sept. 30.

Mooney, Melvin, Mountain Lakes, N. J., and L. E. Copeland, Des Plaines, Ill., assignors to United States Rubber Company, New York, N. Y. Vibration isolating support. 2,580,815, Jan. 1.

Mooney, William T., Highland Park, Mich. Exercising apparatus. 2,622,878, Dec. 23.

Moonshower, Ralph L., Huntington, Ind. Garden hose reel assembly. 2,583,151, Jan. 22.

Mooradian, Victor G., East Orange, assignor to The H. A. Wilson Company, Newark, N. J. Clad beryllium-copper alloys. 2,608,753, Sept. 2.

Moore, Alan E.: *See*—
Tresidder, Thomas B., and Moore.

Moore, Albert J., Watchung, assignor to The Thomas & Betts Co., Elizabeth, N. J. Conductor protector. 2,582,267, Jan. 15.

Moore, Allen C.: *See*—
Moersch, George W., and Moore.

Moore, Alvan A., Corpus Christi, Tex. Portable support for rotary and working platforms. 2,594,197, Apr. 22.

Moore, Archie F., Havertown, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Platen spacing means for presses. 2,586,474, Feb. 19.

Moore, Arleigh R., Canton, and D. R. Minser, Hartville, Ohio. Multiple section piston ring. 2,620,245, Dec. 2.

Moore, Arnold R., New Brunswick, N. J., assignor to Radio Corporation of America. Semiconductor translating device. 2,600,373, June 10.

Moore, Arthur R.: *See*—
Chadwick, Lee S., Cheeseman, and Moore.

Moore, Bernard J., Stoke-on-Trent, England. Kiln for ceramic ware. 2,595,804, May 6.

Moore, Buell, Houston, Tex. Cutting device. 2,604,694, July 29.

Moore, Burke A., and W. N. Swinney, Dallas, Tex. Utensil washing apparatus. 2,622,608, Dec. 23.

Moore Business Forms, Inc., assignee: *See*—
Winston, Rodney W.

Moore, Caleb L., assignor of ten per cent to F. A. Bright, ten per cent to F. M. Bright, five per cent to E. B. Tritt and five per cent to E. D. Tritt, Roanoke Rapids, N. C. Pattern lathe. 2,589,017, Mar. 11.

Moore, Charles R., Millburn, assignor to Marlow Pumps, Incorporated, Ridgewood, N. J. Transmission dynamometer. 2,582,145, Jan. 8.

Moore, Charles R., Millburn, assignor to Marlow Pumps, Incorporated, Ridgewood, N. J. Apparatus for measuring water power. 2,582,146, Jan. 8.

Moore, Charles R., Millburn, assignor to Marlow Pumps, Incorporated, Ridgewood, N. J. Transmission dynamometer. 2,616,290, Nov. 4.

Moore Company, The, assignee: *See*—
Moore, Junius T., Jr.
Moore, Robert D.

Moore, Craig M.: *See*—
Morgan, Thomas J., and Moore.

Moore, Cyril A., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Rotatable trigger guard for firearms. 2,610,425, Sept. 16.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Elastic fluid engine control system responsive to a temperature factor of of the motive fluid. 2,606,420, Aug. 12.

Moore, Dewey R., Dallas, Tex., assignor to United States Steel Company. Spudding beam. 2,596,709, May 13.

Moore, Donald C., Okmulgee, Okla. Reversible plow. 2,591,711, Apr. 8.

Moore, Donald E., Kokomo, and H. D. Moore, Frankfort, Ind. Wagon hoist. 2,599,772, June 10.

Moore, Dudley E., Kansas City, Mo. Towel or cloth holder. 2,613,000, Oct. 7.

Moore, Dwight W., McKees Rocks, Pa. Toolholder. 2,585,487, Feb. 12.

Moore, Earl K., Manchester, and A. P. Edson, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Joining metal parts. 2,585,819, Feb. 12.

Moore, Earl W., Oelwein, Iowa, assignor to E. W. Moore and H. A. Wardell, doing business as Wardell-Moore Machine Company. Tire removing apparatus of the percussion type. 2,582,390, Jan. 15.

Moore, Edmund L., Agawam, Mass. Belt-supporting device. 2,585,157, Feb. 12.

Moore Electronic Laboratories, Inc., assignee: *See*—
Bordewieck, Robert W.

Moore Electronic Laboratories, Incorporated, assignee: *See*—
Bordewieck, Robert W., Roebuck, and Sleeper.

Moore Fabric Company, assignee: *See*—
Schiappa, Anthony.

Moore, Frances E.: *See*—
Moore, Marvin D. and F. E.

Moore, Francis J., Minneapolis, Minn. Holder for roll toilet tissue. 2,614,762, Oct. 21.

Moore, Frank J., Wappingers Falls, H. V. Hess and R. K. Gould, Beacon, assignors to The Texas Company, New York, N. Y. Recovery and utilization of olefins from gases. 2,617,839, Nov. 11.

Moore, Frank L.: *See*—
Roberts, Willard A., Moore, and Conforti.

Moore, Frank L., assignor to The Gray Manufacturing Company, Hartford, Conn. Sound recording and reproducing machine. 2,613,939, Oct. 14.

Moore, Frederick D., Portland, Oreg. Combined cap and disk. 2,609,955, Sept. 9.

Moore, George A., New York, N. Y. Heat-sealing wrapping machine. 2,603,925, July 22.

Moore, George A, assignor to National Biscuit Company, New York, N. Y. Display package with transparent wrapper. 2,604,983, July 29.

Moore, George A., New York, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Package for plural articles. 2,618,380, Nov. 18.

Moore, George C., Company, assignee: *See*—
Siciliano, Samuel F.

Moore, George E., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Load-handling sling. 2,596,502, May 13.

Moore, Harold, & Partners (Engineers) Limited, assignee: *See*—
Howard, Geoffrey J. E.

Moore, Harrington, Medford, Mass. Making wing nuts. 2,614,274, Oct. 21.

Moore, Harvey G., Rochester, N. Y., assignor to A. D. Karpoff, Boston, Mass., doing business as American Muffler Co. Carburetor choke mechanism. 2,612,790, Oct. 7.

Moore, Herman D.: *See*—
Moore, Donald E. and H. D.

Moore, Inc., assignee: *See*—
Mercier, Ernest, and Ehlinger.

Moore, Irving, Scotch Plains, N. J. Change-speed gearing multiple drive transmission. 2,589,844, Mar. 18.

Moore, James A.: *See*—
Wagner, Romeo B., and Moore.

Moore, James B., Chicago, Ill. Tennis net. 2,615,715, Oct. 28.

Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Time wave generating system. 2,604,608, July 22.

Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Synchronized pulse-echo detection system. 2,605,464, July 29.

Moore, James W.: *See*—
Blood, Walter R., and Moore.

Moore, James W., Norfolk, Va. Spraying device. 2,591,585, Apr. 1.

Moore, Jess C., Birmingham, Ala. Wrench for truck wheel nuts. 2,614,444, Oct. 21.

Moore, John C.: *See*—
Huscher, Myron E., Long, and Moore.

Moore, John C., 2nd., Oceanside, Calif. Toilet chair. 2,611,416, Sept. 23.

Moore, John D., Long Branch, and B. S. Wood, Toronto, assignors to A. V. Roe Canada Limited, Malton, Ontario, Canada. Control level assembly. 2,587,875, Mar. 4.

Moore, John H., Springfield, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Fluid pressure measuring apparatus. 2,593,169, Apr. 15.

Moore, John L., Alexandria, Minn. Fish baiter. 2,605,580, Aug. 5.

Moore, John R.: *See*—
Denker, Charles T., and Moore.

Moore, Joseph A., Boone, Iowa. Garment hanger. 2,589,564, Mar. 18.

Moore, Joseph L., New Carlisle, assignor of one-half to I. E. van Pelt, East Cleveland, Ohio. Delimiting appliance for closures. 2,608,711, Sept. 2.

Moore, Junius T., Jr., assignor to Moore Company, Charleston, W. Va. Basket. 2,620,074, Dec. 2.

Moore, Laurence L.: *See*—
Winslow, Charles A., Nostrand, and Moore.

Moore, Laurence L., assignor to Winslow Engineering Co., Oakland, Calif. Filter. 2,613,814, Oct. 14.

Moore, Lawrence A., Elkhart, Ind., assignor, by mesne assignments, to American Coating Mills Corporation. Automatic sheet throwout apparatus. 2,617,528, Nov. 11.

Moore, Lou Q., Pueblo, Colo. Spike retaining device. 2,582,757, Jan. 15.

Moore, Marjorie B., and C. A. Stainbrook, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Sulfates of aminobenzoic diethylaminoethylamide. 2,617,824, Nov. 11.

Moore, Mark, Davenport, Nebr. Liquid lure ejecting device useful in fishing. 2,583,660, Jan. 29.

Moore, Marvin D. and F. E., North Sacramento, Calif. Rigid metal awning. 2,611,157, Sept. 23.

Moore Milling Company, Inc., assignee: *See*—
Moore, Thomas M.

Moore, Norman C.: *See*—
Bennert, Malcolm O., and Moore.

Moore, Norman C., West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Work holder for riveting machines. 2,582,501, Jan. 15.

Moore, Paul B., assignor to York Corporation, York, Pa. Air conditioner. 2,600,316, June 10.

Moore, Paul B., assignor to York Corporation, York, Pa. Drip-evaporating unit for air conditioners. 2,617,637, Nov. 11.

Moore, Philip D., and J. F. Williams, Huntington Park, Calif. Device for teaching time and rhythm. 2,619,868, Dec. 2.

Moore, Ralph T., Lakewood, assignor to The American Monorail Company, Cleveland, Ohio. Suspended traveling blower for removing lint and the like from wall surfaces of textile mill rooms. 2,610,349, Sept. 16.

Moore, Raymond J.: *See*—
Briggs, Robert F., and Moore.

Moore, Raymond P., Jr., Haddonfield, N. J., and E. Eberhard, Phoenix, Ariz., assignors to Radio Corporation of America. Transistor ring counter. 2,591,961, Apr. 8.

Moore, Raymond W.: *See*—
Harder, Edwin L., Stringer, Moore, and Greenwood.

Moore, Richard F., Trumbull, Conn., assignor to Moore Special Tool Co. Inc. Machine for assembling and trying out dies. 2,623,413, Dec. 30.

Moore, Richard S., Dallas, Tex. Window screen hook. 2,592,452, Apr. 8.

Moore, Richard S., Dallas, Tex. Bathtub head hammock. 2,604,637, July 29.

Moore, Robert C., Erdenheim, assignor to Philco Corporation, Philadelphia, Pa. Direct current reinsertion circuit. 2,598,929, June 3.

Moore, Robert C., Erdenheim, assignor to Philco Corporation, Philadelphia, Pa. Electrical system. 2,606,304, Aug. 5.

Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Fan. 2,596,781, May 13.

Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Apparatus for cooling liquids. 2,596,782, May 13.

Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Electric motor for fans. 2,596,783, May 13.

Moore, Robert E., Winnetka, Ill. Hot-water heating system. 2,607,535, Aug. 19.

Moore, Robert F., Pueblo, Colo. Sealing device for meters and the like. 2,587,876, Mar. 4.

Moore, Robert J.: *See*—
Stross, Fred H., Abrams, and Moore.

Moore, Robert J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Lubricating grease. 2,614,079, Oct. 14.

Moore, Robert J., Oakland, and W. Saarni, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Manufacture of grease compositions. 2,588,556, Mar. 11.

Moore, Robert J., and A. Wachter, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Vapor phase corrosion inhibition. 2,592,451, Apr. 8.

Moore, Robert J., Oakland, and W. Saarni, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease compositions. 2,614,076, Oct. 14.

Moore, Robert J., Oakland, and W. Saarni, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease composition. 2,614,077, Oct. 14.

Moore, Robert L.: *See*—
Golick, Joseph J., and Moore.

Moore, Robert R., Spokane, Wash. Speed indicator for trolling boats. 2,617,297, Nov. 11.

Moore, Robert S., Lancaster, Pa., assignor to Radio Corporation of America. Contact spaced target-mesh assembly for television pickup tubes. 2,582,843, Jan. 15.

Moore, Sam F., Utica, N. Y. Boxing head guard. 2,594,478, Apr. 29.

Moore Special Tool Co., Inc., assignee: *See*—
Moore, Richard F.
Victory, Frederick C.

Moore, Stanley S., Stockton, Calif. Disk harrow. 2,601,165, June 17.

Moore, Thomas M., deceased, Salem, Va., by The Bank of Salem, administrator, assignor to Moore Milling Company, Inc., Salem, Va. Feed control for hammer mills. 2,609,153, Sept. 2.

Moore, Walter L., Austin, Tex., and G. P. Carver, Northridge, Calif.; said Carver assignor to said Moore. Skitow apparatus. 2,608,935, Sept. 2.

Moore, Warren H., Bennington, Vt. Fish lure. 2,582,646, Jan. 15.

Moore, William A.: *See*—
Rosenblatt, Louis, and Moore.

Moore, William D., assignor to Brunson Instrument Company, Inc., Kansas City, Mo. Apparatus for determining location of bubbles in tubes in level instruments. 2,592,941, Apr. 15.

Moore, William D., assignor to Brunson Instrument Co., Kansas City, Mo. Dustproof leveling screw. 2,592,942, Apr. 15.

Moore, William E., Oakland, Calif. Packaged refrigerant. 2,594,672, Apr. 29.

Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Electric arc furnace. 2,596,708, May 13.

Moore, Willis F.: *See*—
Bryant, William J., Ljunggren, and Moore.

Moore, Willis F., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Variable frequency power supply system. 2,585,573, Feb. 12.

Moorehead, James R., Renton, and R. S. Reinhold, Seattle, Wash., to Boeing Airplane Company. Collector ring mount. 2,608,819, Sept. 9.

Moores, Urban A., Togus, Maine. Log loading and unloading apparatus. 2,603,365, July 15.

Moores, Zach H., Texarkana, Tex. Frame for rotary ground pulverizers. 2,595,091, Apr. 29.

Moorhead, John P., Dearborn Township, Wayne County, assignor to Wall Wire Products Company, Plymouth, Mich. Stacking stock basket. 2,620,083, Dec. 2.

Moorhouse, Donald G.: *See*—
Turechek, George F., and Moorhouse.

Moors, Harry J., Galveston, Tex. Batten cleat protector. 2,597,945, May 27.

Moos, Anthony M., New York, N. Y., assignor to Eversharp, Inc., Chicago, Ill. Ball point pen ink. 2,623,827, Dec. 30.

Moos, Frank D., New York, N. Y. Doll head and making it. 2,620,595, Dec. 9.

Mooser, Heinrich W., Maastricht, Netherlands. Utilization of blast furnace slag in rotary cement furnaces. 2,600,515, June 17.

Moosman, Jack A., Los Angeles, Calif., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Fluid pressure recorder. 2,602,331, July 8.

Mora, Fernando M., Buenos Aires, Argentina. Method and apparatus for the thermolytic decomposition of heavy liquid hydrocarbons. 2,621,150, Dec. 9.

Morain, Paul, assignor to Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme), Paris, France. Fuel feeding of engines arranged at the ends of the blades of a rotary wing. 2,594,788, Apr. 29.

Morain, Paul H. L., Paris, France. Helicopter with-jet-propelled rotor. 2,620,882, Dec. 9.

Morain, Willard.: *See*—
Lewis, Frank M., and Morain.

Morain, Willard A., Hamilton, Ohio, assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Control for free piston engines. 2,583,115, Jan. 22.

Moraine Box Company, assignee: *See*—
McKenzie, Dennis I.

Morales, John: *See*—
Berger, Martin M., and Morales.

Moran, Harold J., assignor to Switlik Parachute Company, Inc., Trenton, N. J. Parachute. 2,581,808, Jan. 8.

Moran, James G., assignee: *See*—
Fuchslocher, Theodor F. E.

Moran, Jesse N.: *See*—
Friedman, Alvin H., and Moran.

Moran, Jesse N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons from carbon monoxide and hydrogen by means of a fluidized fixed-bed. 2,612,512, Sept. 30.

Moran, William O., Tulsa, Okla. Pipe line heater. 2,618,293, Nov. 18.

Morano, Patrick J., Newark, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Adjustable garter belt. 2,618,785, Nov. 25.

Morasco, Eugene, assignee: *See*—
Pattyn, Pierre P.

Moratta, Mathew M., Princeton, Ind. Piston ring. 2,589,274, Mar. 18.

Moravec, Jan, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Method and device for an automatic supply of low molecular raw material for continuous production and spinning of polyamides. 2,596,272, May 13.

Moravec, Josef, Mala Chuchle, Czechoslovakia. Device for generation of high pressure. 2,585,818, Feb. 12.

Morawski, London T.: *See*—
Parker, John J., and Morawski.

Morcaldi D', Rosaria F., East Boston, Mass. Flexible ladder. 2,585,671, Feb. 12.

Mordell, Donald L., Montreal, Quebec, Canada, and J. B. Holliday, assignors to Rolls-Royce Limited, Derby, England. Speed responsive device with fluid pressure modifier. 2,590,340, Mar. 25.

Morden, Charles W., assignor to Morden Machines Company, Portland, Oreg. Machine for treating fibrous material. 2,596,586, May 13.

Morden Machines Company, assignee: *See*—
Morden, Charles W.

More, Robert W., assignor to Beatrice Creamery Company, Chicago, Ill. Container case. 2,623,670, Dec. 23.

Morecroft, Lola K., Santa Clara, Calif. Collapsible rest for the extremities and bodies of humans. 2,587,196, Feb. 26.

Moree, Leland E., assignor to Toledo Scale Company, Toledo, Ohio. Meat tenderizing machine. 2,607,951, Aug. 26.

Morehead, French H., Whittier, Calif., assignor, by mesne assignments, to Walworth Company, New York, N. Y. Valve. 2,608,374, Aug. 26.

Morehouse, Eugene M., Tujunga, assignor, by mesne assignments, to A. S. Van Denburgh and J. G. Donaldson, Los Angeles, Calif. Valve for spray controlling apparatus. 2,616,660, Nov. 4.

Morehouse, Llewellyn D.: *See*—
Nadolsky, Isaac, and Morehouse.

Morel, Charles J.: *See*—
Stoll, Willy, and Morel.

Morel, Stanislas, Paris, France. Filter. 2,586,692, Feb. 19.

Moreland, George L., Peoria, Ill. Fire alarm. 2,587,506, Feb. 26.

Moreland, Henry W., Camden, Ark. Canopy structure for attachment to trays. 2,593,909, Apr. 22.

Moreland, Stephen T.: *See*—
Dahl, Harry, and Moreland.

Morell, John P., Struthers, Ohio. Rotary brush for cleaning Venetian blinds. 2,615,192, Oct. 28.

Morell, Le Grand, and A. T. Knutson, Midland, Mich., assignors to The Dow Chemical Company. Lubricating composition. 2,585,820, Feb. 12.

Moreno, Theodore: *See*—
Hansen, William W., and Moreno.

Moreno, Theodore, Cambridge, Mass., assignor to The Sperry Corporation. Ultrahigh-frequency directional coupling apparatus. 2,602,859, July 8.

Moreno, Theodore, Garden City, N. Y., assignor to The Sperry Corporation. Ultrahigh-frequency bridge. 2,616,951, Nov. 4.

Moreton, Douglas H., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Silicone oil lubricating composition. 2,618,600, Nov. 18.

Moreton, Douglas H., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Lubricant containing a dimethyl silicone polymer and a trialkyl phosphate. 2,618,601, Nov. 18.

Morey, Arthur H.: *See*—
Buckland, Bruce O., and Morey.

Morey, Arthur H., Erie, Pa., assignor to General Electric Company. Fuel supply system. 2,608,246, Aug. 26.

Morey, Carl, assignor to Economy Pumps, Inc., Hamilton, Ohio. Electrohydraulic valve operating mechanism. 2,582,556, Jan. 15.

Morey, Harlan A., Beverly Hills, Calif. Steering and throttle control for outboard motors. 2,618,985, Nov. 25.

Morey, Leon P., assignor to Eastman Kodak Company, Rochester, N. Y. Web centering device. 2,607,588, Aug. 19.

Morey Machinery Co. Inc., assignee: *See*—
Kurzweil, Robert.
Trudeau, Max O.

Morey, William L.: *See*—
Merriam, Charles W., Jr., and Morey.

Morey, William L., Melrose, and R. A. Taylor, Newburyport, Mass. Ship maneuvering and battle tactics trainer. 2,591,715, Apr. 8.

Morfit, Oliver: *See*—
Passino, Herbert J., and Morfit.

Morgan, Adolph R., Princeton, N. J., assignor to Radio Corporation of America. Signal volume varying system. 2,592,313, Apr. 8.

Morgan, Bryan E., and G. K. Dumbauld, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Composition for cementing wells. 2,609,882, Sept. 9.

Morgan, Burton D., Evanston, Ill. Valve control mechanism. 2,623,535, Dec. 30.

Morgan, Burton D., Loudonville, N. Y. Dispensing device for tape. 2,600,904, June 17.

Morgan, Charles K., Sierra Madre, assignor to Lane-Wells Company, Los Angeles, Calif. Self-sealing packer. 2,620,036, Dec. 2.

Morgan, Charles K., and L. D. Meddick, Los Angeles, and J. S. McKenna, Alhambra, assignors to Lane-Wells Company, Los Angeles, Calif. Packer. 2,612,953, Oct. 7.

Morgan, Clarence A., Albany, Calif. Clothespin. 2,590,881, Apr. 1.

Morgan Construction Company, assignee: *See*—
Hitchcock, John H.
Hitchcock, John H., and Chapman.
Kinnicutt, Roger, Jr.
Morgan, Myles.
Morgan, Myles, and Comtois.
Morgan, Myles, and O'Malley.
Morgan, Weld, and Wesson.
Sheperdson, John W.
Sheperdson, John W., and O'Malley.

Morgan, Donald P., Warren, Pa. Circuit closing panel. 2,608,626, Aug. 26.

Morgan, Dwight C.: *See*—
Morgan, Thomas H. and D. C.

Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Damper construction. 2,590,998, Apr. 1.

Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Bottle carrier. 2,616,600, Nov. 4.

Morgan, Erving B., and A. J. Plachecki, assignors to American Seating Company, Grand Rapids, Mich. Seat supporting bracket. 2,597,255, May 20.

Morgan Fairest Limited, assignee: *See*—
Fairest, Derek H.

Morgan, George T., Pacific Palisades, Calif. Pedal skirt garment. 2,613,363, Oct. 14.

Morgan, Glenn L., Bremerton, Wash. Herring rig. 2,602,257, July 8.

Morgan, Gorton P., Westport, Conn. Pen supporting head for replaceable ink containers. 2,585,488, Feb. 12.

Morgan, Jack F.: *See*—
Bestehorn, Heinrich H., and Morgan.
Grimmel, Harry W., Richter, and Morgan.

Morgan, Jack R., New York, N. Y., N. E. Alexander, Mount Airy, Md., and E. A. Comley, Minneapolis, Minn., assignors to the United States of America as represented by the Secretary of the Navy. Manometer. 2,608,865, Sept. 2.

Morgan, Jerome P., Maplewood, and J. A. Patterson, Beverly, N. J., assignors to Standard Oil Development Company. Temperature control of adsorption systems. 2,592,453, Apr. 8.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y. Resin base dispersion products and synthetic greases. 2,612,474, Sept. 30.

Morgan, Kenneth F., Los Angeles, Calif. Pulley winch. 2,623,732, Dec. 30.

Morgan, Leonard C., Detroit, Mich. Combination rocking chair and ladder. 2,622,658, Dec. 23.

Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Shaft. 2,599,575, June 10.

Morgan, Melvin L., assignee: *See*—
McLean, Paul L.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling bars. 2,597,944, May 27.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling metal bars. 2,607,467, Aug. 19

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Furnace for heating metal bars. 2,616,679, Nov. 4.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Apparatus for coiling hot metal rods. 2,621,914, Dec. 16.

Morgan, Myles, and J. M. O'Malley, assignors to Morgan Construction Company, Worcester, Mass. Bearing. 2,604,366, July 22.

Morgan, Myles, and J. M. O'Malley, assignors to Morgan Construction Company, Worcester, Mass. Rolling mill coupling box support. 2,612,271, Sept. 30.

Morgan, Myles, and E. R. Comtois, assignors to Morgan Construction Company, Worcester, Mass. Shearing apparatus. 2,621,734, Dec. 16.

Morgan, Paul E., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Workpiece area measuring machine. 2,612,696, Oct. 7.

Morgan, Philip F., Kalamazoo, Mich., J. A. Tapleshay, Chicago, Ill., and P. M. Thayer, Milwaukee, Wis., assignors to Chicago Pump Company. Apparatus for treating sewage. 2,616,565, Nov. 4.

Morgan, Ralph W., executor: *See*—
McCrory, Willis E.

Morgan, Robert F., assignee: *See*—
Lane, Basil H.

Morgan, Russell H.: *See*—
Tuttle, Clifton M., and Morgan.

Morgan-Sabalol Products, Inc., assignee: *See*—
Frost, Walter S.

Morgan, Thomas D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Indicating changes in the composition of a gas. 2,582,647, Jan. 15.

Morgan, Thomas H., Herminie, and D. C. Morgan, Oakmont, assignors to The Butalite Corporation, Pittsburgh, Pa. Lighter mechanism. 2,608,081, Aug. 26.

Morgan, Thomas J., and C. M. Moore, assignors to The Superior Switchboard & Devices Company, Canton, Ohio. Disconnectible hinge construction for parking meter doors. 2,588,271, Mar. 4.

Morgan, Wallace E., Winamac, Ind. Adjustment for tractor mounted scoop type ditchers. 2,591,278, Apr. 1.

Morgan, Weld, and C. D. Wesson, assignors to Morgan Construction Company, Worcester, Mass. Wire coiling machine. 2,607,541, Aug. 19.

Morgan, Willard L.: *See*—
Colbert, William H., Weinrich, and Morgan.

Morgan, William H., Glendale, Calif. Clubfoot splint. 2,585,342, Feb. 12.

Morgan, Xenophon W., Erie, Pa. Fountain pen. 2,602,424.

Morgann, Robert O., and R. J. Bush, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Sealing strip for steel sash windows. 2,609,071, Sept. 2.

Morganson, Peter H., assignor to The William L. Gilbert Clock Corporation, Winsted, Conn. Self-starting direct-current motor. 2,595,870, May 6.

Morgenstern, David M., assignor to Nelmor Corporation, Cleveland, Ohio. Reversible rearview mirror assembly. 2,594,056, Apr. 22.

Morgenstern, David M., assignor to Nelmor Corporation, Cleveland, Ohio. Rearview mirror assembly. 2,604,818, July 29.

Morgenstern, David M., Euclid, Ohio. Electric plug. 2,605,318, July 29.

Morgenstern, Morris: *See*—
Stitz, Harry, and Morgenstern.

Morgenstern, Stephen, Toledo, Ohio. Bather's safety pocket. 2,609,980, Sept. 9.

Morgenthaler, Gottlieb J., Philadelphia, Pa. Oil filter. 2,581,277, Jan. 1.

Morgenthaler, Gottlieb J., Philadelphia, Pa. Automobile body repair tool. 2,585,158, Feb. 12.

Morgenthaler, Gottlieb J., Philadelphia, Pa. Automobile body repair jack. 2,606,469, Aug. 12.

Moricco, Gregory J.: *See*—
Moricco, John A. and G. J.

Moricco, John A., Brooklyn, and G. J. Moricco, New York, N. Y. Removable panel frame for television receiving sets. 2,596,710, May 13.

Morici, Antonio, St. Louis, Mo. Animal trap. 2,583,116, Jan. 22.

Morin, Edmund M., Providence, R. I., assignor to Felmore Company, Inc. Hinged box. 2,605,925, Aug. 5.

Morin, George G., South Hadley Falls, assignor to Morin Manufacturing Company, Incorporated, Holyoke, Mass. Drag bucket. 2,610,753, Sept. 16.

Morin, Louis H.: *See*—
Gries, Otto, and Morin.

Morin, Louis H., Bronx, N. Y. Forming plastic castings with metallic inserts. 2,580,816, Jan. 1.

Morin, Louis H., Bronx, N. Y. Scoop removal pliers. 2,594,789, Apr. 29.

Morin, Louis H., Bronx, N. Y. Box and pin separator for separable fastener stringers. 2,600,905, June 17.

Morin, Louis H., Bronx, N. Y. Slider for separable fastener stringers. 2,605,528, Aug. 5.

Morin, Louis H., Bronx, N. Y. Apparauts for pressure injecting casting material by diaphragm pumps. 2,609,575, Sept. 9.

Morin, Louis H., Bronx, N. Y. Self-locking slider. 2,616,141, Nov. 4.

Morin Manufacturing Company, Incorporated, assignee: *See*—
Morin, George G.

Morine, Charles V., Wahiawa, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Harvesting machine. 2,584,361, Feb. 5.

Morison, William J., Chelmsford, England. Apparatus for cleaning vehicles. 2,583,703, Jan. 29.

Morita, Seiti: *See*—
Tange, Otoyuki, and Morita.

Morith, Franklin J., Bell, Calif. Lift. 2,620,218, Dec. 2.

Moritt, Irving J., assignee: *See*—
Bell, Sidney R.
Merson, David A., and Bell.

Moritz, Jean, Chatou, France. Continuous apparatus for the manufacture of superphosphates and similar products. 2,587,367, Feb. 26.

Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Front-digging rear-dumping earth-moving scraper. 2,606,376, Aug. 12.

Mork, George W., and G. Reuter, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Fluid pressure control valve and associated parts. 2,581,430, Jan .8.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Tractor mounted cultivator. 2,584,217, Feb. 5.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Rocking front wheel mounting for tricycle-type tractor. 2,595,476, May 6.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Beet topper. 2,611,228, Sept. 23.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Lift mechanism for tractor implements. 2,611,308, Sept. 23.

Morley, Charles G., Ashbourne, assignor to Rolls-Royce Limited, Derby, England. Fuel system for internal-combustion engines. 2,594,790, Apr. 29.

Morley, Frank F., assignor to Wichita Scale & Manufacturing Co., Inc., Wichita, Kans. Automatic scale. 2,595,871, May 6.

Morley, Frank W.: *See*—
Warburton, Ray W., and Morley.

Morley, Frederick W. W.: *See*—
Lombard, Adrian A., and Morley.

Morley, Frederick W. W., Aston-on-Trent, and T. E. G. Gardiner, Shelton Lock, Derby, assignors to Rolls-Royce Limited, Derby, England. Gas-turbine engine. 2,620,157, Dec. 2.

Morley, Herbert F., Arlington, Va. Storage building and mechanism for loading same. 2,598,413, May 27.

Morley, James C., Seattle, Wash. Cable reel. 2,585,159, Feb. 12.

Morley, Joseph, Los Angeles, Calif., assignor to M. F. Morley. Doughnut baking machine. 2,620,723, Dec. 9.

Morley, Mabel F., assignee: *See*—
Morley, Joseph.

Morley, Maurice C., Brooklyn, N. Y. Window wiper. 2,580,814, Jan. 1.

Morley, Ronald J., and S. F. Weston, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Apparatus for measuring the rate of flow of particulate solids through vessels. 2,503,089, July 15.

Morlock, Harry E., Medina, Ohio. Pot type burner apparatus. 2,584,281, Feb. 5.

Morner, Hans G., New York, N. Y. Upholstery unit. 2,614,272, Oct. 21.

Morosoff, Dimitrij A.: *See*—
Nordström, Vilhelm F. A., and Morosoff.

Morral Brothers, Inc., assignee: *See*—
Morral, Oscar G.

Morral, Oscar G., assignor to Morral Brothers, Inc., Morral, Ohio. Apparatus for preparing green corn for canning. 2,610,635, Sept. 16.

Morrell, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Separation of close-boiling oxygenated compounds from their liquid mixtures. 2,591,714, Apr. 8.

Morrell, Charles E., Westfield, C. S. Carlson, Roselle, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Distillation of oxygenated organic compounds. 2,588,272, Mar. 4.

Morrell, Charles E., Westfield, F. A. Biribauer, Cranford, and C. S. Carlson, Roselle, N. J., assignors to Standard Oil Development Company. Distillation of oxo alcohols. 2,589,018, Mar. 11.

Morrell, Charles E., Westfield, N. J., and N. C. Robertson, Corpus Christi, Tex., assignors to Standard Oil Development Company. Extractive distillation of close-boiling organic compounds from their liquid mixtures. 2,591,712, Apr. 8.

Morrell, Charles E., Westfield, C. S. Carlson, Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohol-containing mixtures. 2,591,713, Apr. 8.

Morrell, Charles E., Westfield, N. J., N. C. Robertson, Corpus Christi, Tex., and C. S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company. Extractive distillation of close-boiling alcohols having partial immiscibility with water. 2,595,805, May 6.

Morrell, Charles E., Westfield, and C. S. Carlson, Roselle, N. J., and N. C. Robertson, Corpus Christi, Tex., assignors to Standard Oil Development Company. Extractive distillation of ethanol contaminated by n-propanol. 2,612,467, Sept. 30.

Morrell, Charles E., Westfield, N. J., and E. R. Gilliland, Arlington, Mass., assignors to Standard Oil Development Company. Extractive distillation with salt solutions. 2,612,468, Sept. 30.

Morrell, Charles E., Westfield, and L. M. Welch, Madison, N. J., assignors to Standard Oil Development Company. Separating C_5 diolefins. 2,614,969, Oct. 21.

Morrell, Charles E., Westfield, N. J., J. Stewart, Brooklyn, N. Y., and C. S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohol-aldehyde solutions. 2,614,970, Oct. 21.

Morrell, Jacque C.: *See*—
Thomas, Charles L., and Morrell.

Morrell, Jacque C., Philadelphia, Pa. Kaolin-phosphoric acid polymerization catalyst. 2,586,852, Feb. 26.

Morrell, Leon C., Bloomfield, N. J., assignor to Radio Corporation of America. Apparatus for welding double tabs to cathode sleeves. 2,618,839, Nov. 25.

Morrill, Albert H., assignee: *See*—
Millard, Arthur C., and Morrill.

Morrill, Alfred R., deceased, late of Woodstock, Vt., by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,610,339, Sept. 16.

Morrill, Frank B., and D. S. Warner, North Adams, Mass. Reel. 2,597,839, May 20.

Morrill, Henry L., Clayton, assignor to Monsanto Chemical Company, St. Louis, Mo. Making o-ethyl s-ethyl o-para nitrophenyl thiophosphate. 2,601,219, June 17.

Morrill, Melvin A., assignee: *See*—
Crowe, Louis, and Worrel.

Morrill and Morrill, assignee: *See*—
Millard, Arthur C., and Morrill.

Morrill, Otis C., assignee: *See*—
Millard, Arthur C., and Morrill.

Morrill, Ruth W., administratrix: *See*—
Morrill, Alfred R.

Morrill, Weston, Pittsfield, Mass., assignor to General Electric Company. Providing magnetic sheet steel with an insulative film. 2,591,460, Apr. 1.

Morris, Alberto J., assignor to R. A. Lister & Company Limited, Dursley, England. Pump injector for oil engines. 2,589,505, Mar. 18.

Morris, Charles E., assignor of one-half to F. W. Schammel, Phoenix, Ariz., and one-half to L. S. Spencer, Watertown, S. Dak. Form disjointer. 2,595,807, May 6.

Morris, Charles E., and F. P. Khym, assignors to Armour and Company, Chicago, Ill. Recovery of catalyst from hydrogenated oil. 2,602,807, July 8.

Morris, Charles L., Jr.: *See*—
Booth, Robert B., and Morris.

Morris, Charles R., Norristown, Pa. Fitting for sanitary fixtures. 2,607,045, Aug. 19.

Morris, Charles W., Los Angeles, assignor to Doak Aircraft Co., Inc., Torrance, Calif. Lounging chair. 2,588,029, Mar. 4.

Morris, Constantine H., Springfield, N. J. Hat shaping apparatus. 2,609,128, Sept. 2.

Morris, David M., Richmond, Ind., assignor to International Harvester Company. Cover fastener. 2,613,969, Oct. 14.

Morris, David M., Richmond, Ind., assignor to International Harvester Company. Adjusting mechanism for material discharge devices. 2,618,405, Nov. 18.

Morris, Earl D., and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Interpolymers of styrene with styrene-butadiene copolymers. 2,606,163, Aug. 5.

Morris, Edgar A.: *See*—
Morris, Edwin A. and Edgar A.

Morris, Edith, assignee: *See*—
Morris, Edward L.

Morris, Edward H., Ashtead, E. Danvers, Gloucester, and T. E. Godden, Cheltenham, assignors to Rotol Limited, Gloucester, England. Variable pitch reversible propeller. 2,593,910, Apr. 22.

Morris, Edward H., Ashtead, E. Danvers, Churchdown, Gloucester, and T. E. Godden, Cheltenham, assignors to Rotol Limited, Gloucester, England. Variable pitch reversible propeller. 2,600,017, June 10.

Morris, Edward L., assignor to E. Morris, Lee's Summit, Mo. Rope fitting. 2,595,806, May 6.

Morris, Edward L., assignor to E. Morris, Lee's Summit, Mo. Combined rope thimble and clamp. 2,600,417, June 17.

Morris, Edwin A., Hutchinson, and Edgar A. Morris, Fredonia, Kans. Hydraulic jack for handling rod strings or the like in wells. 2,592,168, Apr. 8.

Morris, Elton K., assignor to The Dow Chemical Company, Midland, Mich. Pyrolytic production of chlorohydrocarbons. 2,588,867, Mar. 11.

Morris Farm Machinery Company, assignee: *See*—
Monahan, Fred A.

Morris, Frank E., Portland, Oreg. Underground storage tank assembly and locator. 2,617,215, Nov. 11.

Morris, Fred L., and A. W. Peterson, Portland, Oreg. Rack for holding Venetian blind slats. 2,588,537, Mar. 11.

Morris, Garland J., Hampton, Va. Audible leveling means for cameras and other devices. 2,600,363, June 10.

Morris, George, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Explosive primer. 2,617,326, Nov. 11.

Morris, George R., deceased, Rochester, N. Y.; M. H. Morris, administratrix, assignor to H. E. Stonebraker, Rochester, N. Y. Hand scraping tool. 2,599,193, June 3.

Morris, Harrison D., and C. H. Ellason, Grayslake, Ill. Telescoping handle. 2,606,050, Aug. 5.

Morris, Herman J., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of nutlike products from dry beans. 2,584,150, Feb. 5.

Morris, Howard H., Hampton, Va. Apparatus for multiple grinding. 2,608,033, Aug. 26.

Morris, Howard I., San Marcos, Calif. Mechanism for operating a closure for an opening. 2,598,709, June 3.

Morris, Ivey C., Lowell, N. C. Pattern mechanism for dobby looms. 2,587,507, Feb. 26.

Morris, John M., Atlanta, Ga. Fountain pen. 2,582,391, Jan. 15.

Morris, John N.: *See*—
Issigonis, Alexander A., Morris, and Harrison.

Morris, Jolly L., Ellwood City, Pa. Fence structure. 2,588,147, Mar. 4.

Morris, Joseph H., Jr., Jackson, Miss. Combined tray and dolly. 2,607,205, Aug. 19.

Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Device for cutting sheet material. 2,595,402, May 6.

Morris, Kenneth G., Cranford, and R. A. Van Sweringen, Jr., Roselle Park, N. J., assignors to Standard Oil Development Company. Turbojet fuel. 2,609,279, Sept. 2.

Morris, Layne H., Seelyville, and R. W. Parrish, Honesdale, Pa., assignors to The Lummus Company, New York, N. Y. Plating tube sheets. 2,618,846, Nov. 25.

Morris, Levin F., Easton, Md. Shoeshine kit. 2,618,006, Nov. 18.

Morris, Lloyd C., and F. M. Smith, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of a hydrocarbon solvent. 2,604,494, July 22.

Morris, Lloyd P., Elmwood Park, and F. H. Clarke, assignors to Motorola, Inc., Chicago, Ill. Railroad communication system. 2,602,842, July 8.

Morris, Mabel H., administratrix: *See*—
Morris, George R.

Morris Machine Tool Company, The, assignee: *See*—
Kahle, Walter R., and Johnson.

Morris, Merchant U., and H. J. Westerfield, Indianapolis, Ind. Artificial frog fishing bait. 2,607,151, Aug. 19.

Morris Motors Limited, assignee: *See*—
Issigonis, Alexander A., Morris, and Harrison.

Morris, Myron J., Yonkers, N. Y., assignor to Tele King Corporation. Television receiver chassis. 2,605,351, July 29.

Morris, Nathan, assignor to American Instrument Company, Inc., Silver Spring, Md. Electric heater and thermostatic control means therefor. 2,606,271, Aug. 5.

Morris Paper Mills, assignee: *See*—
Arneson, Edwin L.
Arneson, Lawrence E.
Laabs, Gustave H.

Morris, R. A., assignee: *See*—
Malone, Alva.

Morris, Rupert C.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Esters of unsaturated acid-branched chain hexadiene polymer adducts. Re. 23,518, July 1.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Production of β-α-olefinic ethers of halohydrins. 2,608,587, Aug. 26.

Morris, Vlon N.: *See*—
Engel, Edward W., Giolito, McGarry, Morris, and Weidner.

Morris, Vlon N., Highland Park, C. L. Weidner, Cranbury, N. J., and L. W. Eger, East Hampton, Conn., assignors to Industrial Tape Corporation. Adhesive sheet or tape. 2,599,576, June 10.

Morris, William C., Mayfield Heights, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Screen vehicle. 2,617,740, Nov. 11.

Morris, William G., Statesville, N. C. Railway switch joint. 2,588,148, Mar. 4.

Morrisett, O. L., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Drillable packer. 2,589,506, Mar. 18.

Morrisey, James W., assignee: *See*—
Henne, Julius A.

Morrison, Archie T.: *See*—
Johnson, Carl A. P., and Morrison.

Morrison-Bergmann Corporation, assignee: *See*—
Hucknall, Richard H.

Morrison, Bernard H.: *See*—
Clark, Charles W., and Morrison:

Morrison, Charles C., assignee: *See*—
Willis, Maurice B.

Morrison, Charles S., assignor to Deere & Company, Moline, Ill. Tractor mounted sprayer. 2,608,437, Aug. 26.

Morrison, Chester C., assignor to H. A. Kraeling, Pittsburgh, Pa. Gasoline or other liquid dispensing means. 2,611,320, Sept. 23.

Morrison, Clyde W., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Treatment of galvanizing skimmings. 2,622,020, Dec. 16.

Morrison, Creighton H., Minneapolis, Minn., assignor to General Mills, Inc. Middlings purifier. 2,615,570, Oct. 28.

Morrison, David K.: *See*—
De Florez, Luis, and Morrison.

Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Switch for use in defrosting systems. 2,583,661, Jan. 29.

Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Switch and actuator therefor. 2,602,126, July 1.

Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Snap switch. 2,602,127, July 1.

Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Refrigerator defrosting timer. 2,617,900, Nov. 11.

Morrison, Donald E., Nobel, assignor to A. V. Roe Canada Limited, Peel, Ontario, Canada. Cooling of gas turbine engine flame. 2,612,023, Sept. 30.

Morrison, Ella P., executrix: *See*—
Morrison, Samuel O.

Morrison, Floyd L., Weirton, W. Va., assignor to National Steel Corporation. Blowing ferrous metal. 2,584,151, Feb. 5.

Morrison, Floyd L., Trenton, Mich., assignor to National Steel Corporation. Blowing iron. 2,584,152, Feb. 5.

Morrison, George L., Evanston, Ill. Photographing printing forms. 2,609,293, Sept. 2.

Morrison, George O., Milltown, N. J., and D. Schoenholz, assignors to Shawinigan Products Corporation, New York, N. Y. Manufacture of polyvinyl acetate emulsion paints. 2,601,315, June 24.

Morrison, Gilbert H., Peotone, Ill. Funnel with spout and vent closure. 2,584,216, Feb. 5.

Morrison, Harold E.: *See*—
Geidhof, Peter E., and Morrison.

Morrison, Harold E., St. Joseph, Mich., assignor to Whirlpool Corporation. Washing machine control circuit. 2,604,497, July 22.

Morrison, Howard L., Boise, Idaho, assignor to Radio Corporation of America. Polarity-switching output circuit for wide-band video amplifiers. 2,580,941, Jan. 1.

Morrison, Hugh S., assignor to Fairfield Paper and Container Company, Baltimore, Ohio. Sheet conveying, stacking, and delivering apparatus. 2,606,669, Aug. 12.

Morrison, James A., Washington, Iowa. Seat controlled mechanism for the control of the operation of motor vehicles. 2,612,232, Sept. 30.

Morrison, James L. D.: *See*—
Miller, Walter, and Morrison.

Morrison, James J., Worcester, Mass., assignor to United States Steel Company. Making an electrical cable. 2,621,703, Dec. 16.

Morrison, John A., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft control lock. 2,584,038, Jan. 29.

Morrison, John L. M.: *See*—
Peel, Robert, Porter, and Morrison.

Morrison, John L. M., Bristol, R. T. C. Woodward, R. Peel, and E. Greaves, assignors to F. N. F. Limited, Burton-on-Trent, England. Thread controlling apparatus in textile machines. 2,600,256, June 10.

Morrison, John O., Chatham, N. J., and B. H. Perkins, Brooklyn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of iron blue pigments. 2,592,169, Apr. 8.

Morrison, Laurence B., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand. 2,584,489, Feb. 5.

Morrison, Leslie A., assignor to Morrison Starter Company, Pampa, Tex. Engine starter. 2,623,393, Dec. 30.

Morrison, Montford, Rochester, N. Y. Preparing facsimile transmission copies for degraded reception. 2,604,532, July 22.

Morrison, Montford, Upper Montclair, N. J. Vacuum tube oscillator system. 2,587,750, Mar. 4.

Morrison, Montford, Upper Montclair, N. J. Luminous flux modulator. 2,589,421, Mar. 18.

Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. Apparatus for measuring time intervals. 2,607,414, Aug. 19.

Morrison, Montford, Upper Montclair, N. J. Electric wave filter. 2,623,944, Dec. 30.

Morrison, Price W., Chester, S. C. Selvage motion. 2,602,471, July 8.

Morrison, Robert F., Oak Park, assignor to Mars, Incorporated, Chicago, Ill. Candy making equipment. 2,612,851, Oct. 7.

Morrison, Robert F., Oak Park, assignor to Mars, Incorporated, Chicago, Ill. Candy slicing equipment. 2,612,852, Oct. 7.

Morrison, Robert F., Oak Park, and E. C. Clement, assignors to Mars, Incorporated, Chicago, Ill. Candy slicing machine. 2,620,753, Dec. 9.

Morrison, Robert T.: *See*—
Klotz, Irving M., and Morrison.

Morrison, Samuel O., Pine Ridge, Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Filter and temperature control. 2,581,125, Jan. 1.

Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison, executrix, assignor to Sunroc Refrigeration Company, Dover, Del. Tube-in-tube heat transfer unit. 2,597,744, May 20.

Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison, executrix, assignor to Sunroc Refrigeration Company, Dover, Del. Refrigerator and stove. 2,597,745, May 20.

Morrison, Samuel O., deceased, Pine Ridge, by E. P. Morrison, executrix, Pine Ridge, Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler and filter. 2,623,367, Dec. 30.

Morrison, Samuel O., Media, and J. G. Wehrwein, Havertown, Pa., assignors to Sunroc Refrigeration Company, Dover, Del. Filter for removable cartridges. 2,605,901, Aug. 5.

Morrison Starter Company, assignee: *See*—
Morrison, Leslie A.
Morrison, Wilbert H.: *See*—
Schaefer, Ralph A., Cerness, and Morrison.
Morrison, Willard L., Highland Park, Ill. Food freezing apparatus. 2,582,789, Jan. 15.
Morrison, Willard L., Lake Forest, Ill. Food package. 2,600,069, June 10.
Morrison, Willard L., Lake Forest, Ill. Freezing food. 2,618,939, Nov. 25.
Morrison, Willard L., Lake Forest, Ill. Method and apparatus for maintaining uniform temperature in frozen masses. 2,621,486, Dec. 16.
Morrison, Willard L., Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del. Magnetic power device. 2,595,872, May 6.
Morrison, Willard L., Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del. Magnetic power unit lock. 2,619,331, Nov. 25.
Morrison, Willard L., Jr., Lake Forest, Ill., assignor to Magnetic Power, Inc., Wilmington, Del. Magnetic power unit and rotor therefor. 2,619,606, Nov. 25.
Morrison, Willard L., Jr., Akron, and J. D. Cole, Kent, Ohio, assignors to Magnetic Power, Inc., Wilmington, Del. Magnetic power unit reversing drive. 2,600,795, June 17.
Morrison, Willard L., Jr., Akron, and F. Z. Daugherty, Kent, Ohio, assignors to Magnetic Power, Inc., Wilmington, Del. Magnetic power unit shock absorber. 2,603,676, July 15.
Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Cleansing device for rock drills. 2,614,535, Oct. 21.
Morrison, William E., assignor to The Torrington Manufacturing Co., Torrington, Conn. Propeller fan blade retaining construction. 2,581,872, Jan. 8.
Morrison, William E., assignor to The Torrington Manufacturing Co., Torrington, Conn. Fan blade and its formation. 2,581,873, Jan. 8.
Morrisroe, John J., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Detergent composition. 2,610,950, Sept. 16.
Morrissey, John P., East Orange, N. J., assignor to General Electric Company. Inert gas welding torch. 2,612,584, Sept. 30.
Morrissey, Patrick W., assignor to J. I. Case Company, Racine, Wis. Tractor-drawn combine. 2,607,179, Aug. 19.
Morrissey, Richard T., Cuyahoga Falls, and R. A. Crawford, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubbery adhesive composition and making and using the same. 2,583,387, Jan. 22.
Morrone, Joseph A., Westerly, R. I. Tire attached anti-skid device. 2,608,233, Aug. 26.
Morrow, Ben W., assignee: *See*—
Tincher, Chester A.
Morrow, Charles T., assignor to The Sperry Corporation, Great Neck, N. Y. Angular velocity responsive apparatus. 2,616,681, Nov. 4.
Morrow, Herbert E.: *See*—
Carlston, Hamilton S., and Morrow.
Morrow, John B.: *See*—
Mandolf, Henry L., and Morrow.
Morrow, John D. A., Sewickley, Pa., assignor to Joy Manufacturing Company. Timber setting machine. 2,597,086, May 20.
Morrow, Philip G.: *See*—
Dickens, Samuel P., Coghlan, and Morrow.
Morse Chain Company, assignee: *See*—
Bremer, Norman C.
Faber, Clarence M.
Howison, Robert J.
McIntyre, Elmer L.
Riopelle, Earl F.
Morse, Erwin E., Woodland, Calif. Continuous titration apparatus. 2,604,383, July 22.
Morse, George E., Vandalia, and J. K. Allbright, Dayton, Ohio. Automatic drift for boring mill spindles. 2,608,886, Sept. 2.
Morse, Glenn B., Grand Rapids, assignor to Ionia Manufacturing Company, Ionia, Mich. Folding chair. 2,596,424, May 13.
Morse Instrument Company, The, assignee: *See*—
Miller, William E.
Morse, John F., Hudson, Ohio. Combined throttle and clutch control for marine engines. 2,588,649, Mar. 11.
Morse, John F., Hudson, Ohio. Marine engine control. 2,588,650, Mar. 11.
Morse, John F., Hudson, Ohio. Control mechanism for marine engines. 2,593,170, Apr. 15.
Morse, John F., Hudson, Ohio. Adjustable light for insertion in the hull of boats. 2,593,171, Apr. 15.
Morse, John F., Hudson, Ohio. Push-pull control cable. 2,601,791, July 1.
Morse, John F., Hudson, Ohio. Liquid low-level warning device. 2,601,894, July 1.
Morse, John F., Hudson, Ohio. Docking light installation for marine craft. 2,619,582, Nov. 25.
Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Pivotal frame mounting structure for offset printing machine cylinders. 2,598,414, May 27.
Morse, Lyman D., Butte City, Calif. Motor vehicle mounted mower. 2,621,462, Dec. 16.
Morse, Philip W., Elnora, and M. F. Davis, Syracuse, N. Y., assignors to General Electric Company. Ultra-high-frequency heater. 2,583,338, Jan. 22.
Morse, Reginald A., Scarsdale, assignor to Oscar Kohorn & Co. Ltd., New York, N. Y. Production of pigmented rayon. 2,598,066, May 27.
Morse, Reginald A., Sr., Edgewood, R. I. Bridge for eyeglasses. 2,607,271, Aug. 19.
Morse, Shirley P., East Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Motor speed and circuit governing electrical system. 2,610,314, Sept. 9.
Morseth, Richard H., Everett, Wash. Telescoping handle. 2,595,597, May 6.
Morsette, Delore J., Palatine, Ill. Corn popping apparatus. 2,606,489, Aug. 12.
Morsink, Albert, Enschede, Netherlands. Dust gun. 2,618,883, Nov. 25.
Morson, Terrill F.: *See*—
Buckman, Edward A., and Morson.
Mortensen, Dale E.: *See*—
Matson, Theodore C., Riewerts, and Mortensen.
Mortensen, Robert W.: *See*—
Richmond, Howard B., and Mortensen.
Mortenson, Sheldon A.: *See*—
Calihan, Paul F., and Mortenson.
Mortimer, Lynn H.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
Mortley, Wilfrid S., Great Baddow, Chelmsford, England, assignor to Radio Corporation of America. Piezoelectric crystal circuit arrangement. 2,600,124, June 10.
Morton, Clyde M., Hawthorne, Calif. Feeder for fowl. 2,585,400, Feb. 12.
Morton, Dudley J., New York, N. Y. Orthopedic insole. 2,623,307, Dec. 30.
Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam iron vaporizing chamber. 2,588,747, Mar. 11.
Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cleaning apparatus. 2,592,314, Apr. 8.
Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing machine having a resiliently supported tub structure. 2,613,837, Oct. 14.
Morton, Evans T., assignor to Admiral Corporation, Chicago, Ill. Multiple temperature refrigerator. 2,586,853, Feb. 26.
Morton, Evans T., assignor to Admiral Corporation, Chicago, Ill. Refrigerator. 2,613,510, Oct. 14.
Morton, Evans T., and C. L. Geever, assignors to Admiral Corporation, Chicago, Ill. Fastening device. 2,581,692, Jan. 8.
Morton, Evans T., Chicago, and G. R. Heidenblut, Des Plaines, assignors to Admiral Corporation, Chicago, Ill. Restricting valve. 2,601,549, June 24.
Morton, Frederick S., assignor to Thermomatic (Engineers) Limited, Enfield, England. Steam-lifting trap for steam-circulating systems. 2,596,587, May 13.
Morton, Glenn R.: *See*—
Walker, Le Roy E., and Morton.
Morton, Henry C.: *See*—
Walters, Gustav, and Morton.
Morton, Henry E., Muskegon Heights, Mich. Flash removing machine. 2,580,817, Jan. 1.
Morton, Henry E., Muskegon Heights, Mich. Formed stock flash removing machine. 2,602,378, July 8.
Morton, Jack A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal responsive circuit. 2,595,691, May 6.
Morton, James E., Abilene, Tex. Fluid operable motor embodying annular series of opposed coaxial cylinders and pistons. 2,614,540, Oct. 21.
Morton, John W.: *See*—
Way, Alben W., and Morton.
Morton Manufacturing Company, assignee: *See*—
Motter, Charles S.
Osborne, Horace A.
Morton, Paul L., Long Beach, Calif. Soil penetrating terminal. 2,595,598, May 6.
Morton, Paul L., Long Beach, Calif. Farm implement lift and frame. 2,607,276, Aug. 19.
Morton, Richard N., Yakima, Wash. Rotatable display sign. 2,593,331, Apr. 15.
Morton, Robert B., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,607,066, Aug. 19.
Morton Salt Company, assignee: *See*—
Bowes, Leslie H.
Diamond, Horace W.
Farnsworth, William H.
Morton, Stanley A., Wilkes-Barre, Pa. Tamping or stemming plug. 2,590,882, Apr. 1.
Morway, Arnold J.: *See*—
Beerbower, Alan, and Morway.
Smith, Paul V., Jr., and Morway.
Morway, Arnold J., Rahway, N. J., assignor to Standard Oil Development Company. High-temperature grease. 2,583,435, Jan. 22.
Morway, Arnold J., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Lubricating grease and manufacture. 2,610,947, Sept. 16.

Morway, Arnold J., Clark Township, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricating grease. 2,581,126, Jan. 1.
Morway, Arnold J., Rahway, N. J., and E. W. Ball, New Rochelle, N. Y., assignors to Standard Oil Development Company. Heavy-duty lubricating grease. 2,583,436, Jan. 22.
Morway, Arnold J., Rahway, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. High-temperature lubricating grease. 2,581,127, Jan. 1.
Morway, Arnold J., Rahway, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,586,693, Feb. 19.
Morway, Arnold J., Rahway, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Lubricating compositions. 2,588,273, Mar. 4.
Morway, Arnold J., Clark Township, Union County, and A. H. Matuszak, Westfield, N. J., assignors to Standard Oil Development Company. High-temperature lubricating greases. 2,591,586, Apr. 1.
Morway, Arnold J., Clark Township, Union County, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,595,161, Apr. 29.
Morway, Arnold J., Clark, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. High-temperature lubricating grease manufacture. 2,596,343, June 3.
Morway, Arnold J., Clark Township, Union County, D. W. Young, Roselle, and D. L. Cottle, Highland Park, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,604,450, July 22.
Morway, Arnold J., Clark Township, Union County, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Twister ring lubricant. 2,604,452, July 22.
Morway, Arnold J., Clark Township, Union County, and W. C. Howell, Jr., Union, N. J., assignors to Standard Oil Development Company. Lubricating compositions. 2,610,948, Sept. 16.
Morway, Arnold J., Rahway, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,612,472, Sept. 30.
Morway, Arnold J., Rahway, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,612,473, Sept. 30.
Morway, Arnold J., Clark Township, Union County, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. High-temperature lubricating grease. 2,618,598, Nov. 18.
Morway, Arnold J., Clark Township, Union County, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,623,854, Dec. 30.
Mosca, Nestor, Oakland, Calif. Lathe jig for turning crankshafts. 2,599,931, June 10.
Moscarello, Salvatore A., Brooklyn, N. Y. Spraying device with dilator. 2,586,553, Feb. 19.
Moschetto, Louis, Ridgewood, N. Y. Iced food container prop. 2,594,479, Apr. 29.
Mosegaard, Marius, Copenhagen, Denmark, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate straining mechanism for use in printing machines. 2,619,904, Dec. 2.
Moseley, Francis L.: *See*—
Biggs, John A., Heald, and Moseley.
Moseley, James T. W., Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Two-fuel carburetor. 2,621,029, Dec. 9.
Moseley, James T. W., Richmond Heights, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor deicer. 2,603,199, July 15.
Moseley, Mortimer H., Eddyville, Ky. Solar heat converter. 2,608,968, Sept. 2.
Moseley, Tomlinson L., Atherton, Calif. Jalousie. 2,613,405, Oct. 14.
Moser, Eduard: *See*—
Schmid, Max, and Moser.
Schmid, Max, Danuser, Johner, Moser, and Wuergler.
Moser, Eduard, assignor to Ciba Limited, Basel, Switzerland. Azo dyestuff. 2,590,639, Mar. 25.
Moser, Eduard, assignor to Ciba Limited, Basel, Switzerland. Azo dyestuff. 2,590,640, Mar. 25.
Moser, Frank T., Easton, Pa., assignor to Limpert Brothers, Incorporated, New York, N. Y. Cup depressor. 2,614,740, Oct. 21.
Moser, Helen A.: *See*—
Schwab, Arthur W., Moser, and Evans.
Moser, Otto, Berne, Switzerland. Translating apparatus for electric signal pulse combinations. 2,612,556, Sept. 30.
Moser, Paul K., Buderich, near Dusseldorf, assignor to Waldemar Lindemann, Dusseldorf, Germany. Metal chip crusher. 2,606,719, Aug. 12.
Moser, Werner, Lenzburg, Switzerland. Device for rolling-over the edges of flat-flanged dished can bottoms or lids. 2,611,412, Sept. 23.
Moses, Elmer A., Pawnee, Ill. Swinging drawbar hitch and standardizing unit. 2,622,890, Dec. 23.
Mosher, Richard K., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical circuit for straight course navigation. 2,603,088, July 15.
Mosher, Roland R., Jackson, Mich. Reversible rotary fluid coupling. 2,597,527, May 20.
Mosimann, Albert T., Jr., Houston, Tex. Connector block. 2,588,558, Mar. 11.
Mosinee Paper Mills Company, assignee: *See*—
Green, Charles M.
Moskowitz, Morris, Corporation, assignee: *See*—
Kohn, Leo.
Mosler Safe Company, The, assignee: *See*—
Bremer, Frederick J., and Bauer.
Murtaugh, John J., Jr.
Mosley, Carl E., Overland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Current limiter. 2,614,189, Oct. 14.
Mosley, Clifton E., Jackson, Miss. Universal electric fixture hanger. 2,592,315, Apr. 8.
Moslo, Ernest P., Cleveland Heights, Ohio. Safety mechanism for conveyer transfers. 2,622,725, Dec. 23.
Moss, Charles W., Canton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric protection for looms. 2,586,552, Feb. 19.
Moss, Charles W., Canton, and W. A. Blanchard, Millbury, assignors to Crompton & Knowles Loom Works, Wircester, Mass. Electric protection for looms. 2,586,371, Feb. 19.
Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for measuring curved surfaces. 2,592,316, Apr. 8.
Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking parts of cylindrical articles. 2,609,609, Sept. 9.
Moss, Edward, New York, N. Y. Slide projector-sound synchronization system. 2,613,574, Oct. 14.
Moss, Eric B., and C. W. Cooper, Cricklewood, London, England. Electrical indicating device. 2,614,244, Oct. 14.
Moss, Harris W., Phoenix, Ariz. Fur steam glazer. 2,602,317, July 8.
Moss, Jesse R., Johnson City, N. Y. Removable head spool structure. 2,610,811, Sept. 16.
Moss, Norman N.: *See*—
Wertheim, Oscar, and Moss.
Moss, Philip H.: *See*—
Cook, Elmer W., and Moss.
Cook, Elmer W., Moss, and Hook.
Hook, Edwin O., and Moss.
Moss, Richard Y.: *See*—
Linxweller, Carl J., Moss, and Welch.
Moss, Walter E., Brookfield, and O. Garapolo, Chicago, Ill., assignor to Wilson & Co., Inc. Weighing system. 2,605,694, Aug. 5.
Moss, William N., Vancouver, British Columbia, Canada. Mortising attachment for drill presses. 2,612,915, Oct. 7.
Mossbauer, William E., Forest Hills, N. Y. Mechanical toy cowboy. 2,595,971, May 6.
Mossberg, O. F., & Sons, Inc., nssignee: *See*—
Benson, Carl H.
Mosse, Pierre, Lyon, assignor to Societe Rhodiaceta, Paris, France. Plastic compositions of acrylonitrile polymers. 2,585,672, Feb. 12.
Mosse, Pierre, Lyon, assignor to Societe Rhodiaceta, Paris, France. Plastic compositions of acrylonitrile polymers. 2,592,317, Apr. 8.
Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydraulic control apparatus for spreader stokers. 2,603,421, July 15.
Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Traveling grate stoker. 2,615,406, Oct. 28.
Mossman, Donald P., Sr., Chicago, Ill. Lever switch. 2,611,835, Sept. 23.
Mössmer, Viktor, Sewalchen-on-the-Attersee, assignor to Lenzinger Zellwolle-und Papierfabrik Aktiengesellschaft, Lenzing-Agerzell, Austria. Textile intermediate product and manufacturing the same. 2,587,877, Mar. 4.
Mosteller, James C., Fairfield, Ohio. Less inflammable hydraulic fluid. 2,583,588, Jan. 29.
Mostowicz, Witold, New York, N. Y. Device for splitting clams. 2,609,565, Sept. 9.
Moszelt, Steve, Akron, Ohio. Windshield cover. 2,614,630, Oct. 21.
Motch & Merryweather Machinery Co., The, assignee: *See*—
McClellan, Lee W., Holberger, and Rose.
Moohl, Johan G.
Moohl, Johan G., and Tanski.
Rose, Howard E.
Motion Picture Research Council, Inc., assignee: *See*—
Meyer, Herbert, and Walkey.
Vlahos, Petro.
Motl, Albert C., Alpha, Minn. Trough lifter. 2,594,791, Apr. 29.
Motley, Lewis, London, England. Turret gun mounting. 2,594,198, Apr. 22.
Motley, Lewis, Much Wenlock, England. Apparatus for projecting rounds of ammunition. 2,594,199, Apr. 22.

Moto Guzzi Soc. p. Az., assignee: *See*—
Guzzi, Carlo.
Moto, Inc., assignee: *See*—
Stone, John A.
Moto-Mower Company, The, assignee: *See*—
Timmins, Harold V.
Motor Adapter Corporation, assignee: *See*—
Grenat, John J.
Motor Car Corporation, assignee: *See*—
Ardussi, Wallace F.
Motor Products Corporation, assignee: *See*—
Chapman, Harry J.
Dupuis, Arthur G.
Schweitzer, Louis.
Whitmore, Harland W.
Motor Wheel Corporation, assignee: *See*—
Horn, Harry J.
Hunt, J. Harold.
Huntley, Frederick H.
Jones, Don F., and Figg.
Miller, John W.
Motorola, Inc., assignee: *See*—
Brewster, Franklin C.
Budlane, Stanley J.
Cairnes, William E.
Crooker, Robert M.
Crooker, Robert M., and Heisig.
Dusek, Robert, and Budlane.
Everitt, William L.
Frihart, Henry N., and Hassler.
Fyler, George W.
Fyler, George W., and Crooker.
Fyler, George W., and Wingert.
Goldfus, Samuel M.
Heisig, Garth J.
Korshak, Harvey.
Lense, Ralph J., and Holzinger.
Magnuski, Henry.
Mitchell, Donald H.
Morris, Lloyd P., and Clarke.
Nieter, Temple.
Noble, Daniel E.
Parks, William J.
Race, William J.
Richards, Hans K.
Roberts, David E.
Sacre, Leo D.
Schlesinger, Kurt.
Wallin, Gus W.
Waterman, Herbert C., and Winkler.
White, Raymond J.
Wingert, Raymond R.
Motorspeed Corporation, The, assignee: *See*—
Knauth, Berthold A., and Chin.
Moto-Sway Corporation of America, assignee: *See*—
Aron, Edmund.
Mott, Carl W.: *See*—
Orelind, John R., and Mott.
Mott, Carl W., La Grange Park, assignor to Elgin Sweeper Company, Elgin, Ill. Street-sweeping machine. 2,586,554, Feb. 19.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Hammer knife mower. 2,589,845, Mar. 18.
Mott, Carl W., La Grange Park, assignor to Elgin Sweeper Company, Elgin, Ill. Street sweeping machine. 2,614,279, Oct. 14.
Mott, Carl W., Lake Ozark, Mo., assignor to International Harvester Company. Mower structure. 2,590,065, Mar. 18.
Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filter using magnetostrictive rings. 2,592,721, Apr. 15.
Mott, Lawrence F., Walton, Stone, assignors to H. M. Hobson Limited, London, England. Hydraulic servomotor and the like. 2,597,361, May 20.
Mott, Lawrence F., Walton, Stone, assignor to H. M. Hobson Limited, London, England. Hydraulic servomotor. 2,613,650, Oct. 14.
Mott, Loammia O., Bristow, Okla. Automatic vertically pivoted gate. 2,608,775, Sept. 2.
Mott-Smith, Lewis M.: *See*—
Mann, Alfred K., Mott-Smith, and Quarles.
Motta, Dominic P.: *See*—
Gillespie, Forest H., Lucas, and Motta.
Mottelson, Anita, Seattle, Wash. Self-cleaning clothesline cleaner. 2,604,650, July 29.
Motter, Charles S., assignor to Morton Manufacturing Company, Chicago, Ill. Wall cabinet with lighting fixture to illuminate the interior thereof and direct light downwardly therefrom. 2,594,792, Apr. 29.
Motter, Paul J.: *See*—
McKinney, Guy E., and Motter.
Mottern, Henry O.: *See*—
Arundale, Erving, and Mottern.
Brooks, John D., and Mottern.
Mottern, Henry O., Bloomfield, N. J., assignor to Standard Oil Development Company. Catalytic dehydrogenation of alcohols to carbonyl compounds. 2,586,694, Feb. 19.
Mottu, André, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Projection apparatus for inspecting timepiece jewels. 2,600,906, June 17.
Mould, Geoffrey J. J., Flin Flon, assignor to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Electrolytic method of winning zinc. 2,602,776, July 8.
Moulden, Tony M., Montrose, Calif. Combined honing and lapping machine. 2,622,372, Dec. 23.
Moule, Rex E., Holden, assignor to Norton Company, Worcester, Mass. Stripper mechanism for encapsulating machines. 2,581,874, Jan. 8.
Moullin, Eric B., Sale, England, assignor, by mesne assignments, to General Electric Company. Barrier nonreflectant to incident electromagnetic waves. 2,594,971, Apr. 29.
Moulsdale, W. E., and Company Limited, assignee: *See*—
Brown, Robert H.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Composition for reducing the reflection of light. 2,601,123, June 17.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Solution for reducing light reflection. 2,601,124, June 17.
Moulton, Harold R., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Surface reflection modifying solutions. 2,584,905, Feb. 5.
Moulton, Harold R., Southbridge, and J. Mahler, Brookline, assignors to American Optical Company, Southbridge, Mass. Adhesive composition for laminating optical elements. 2,596,863, May 13.
Moulton, Joseph D., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Negative electrode for battery cells. 2,623,915, Dec. 30.
Moulton, Joseph D., West Orange, and R. F. Enters, Hackensack, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Making positive electrodes for battery cells. 2,615,930, Oct. 28.
Moulton, Lloyd J., Mentor, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Control mechanism. 2,622,402, Dec. 23.
Moulton, Robert, Norristown, and C. J. Stover, Jenkintown, Pa., assignors to Goodman Manufacturing Company, Chicago, Ill. Sliding frame for shaker conveyers. 2,610,728, Sept. 16.
Moulton, Stephen W., assignor to Philco Corporation, Philadelphia, Pa. Heterodyne frequency modulator with automatic deviation control. 2,590,784, Mar. 25.
Mounce, Alfred R., Fort Wayne, Ind., assignor to General Electric Company. Sliding door assembly. 2,613,844, Oct. 14.
Mounce, Whitman D., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for underwater gravity surveying. 2,595,092, Apr. 29.
Mount, George W., Greenfield, Mass. Pliers for bending connecting clips about wire members. 2,582,056, Jan. 8.
Mounting & Finishing Company, Inc., assignee: *See*—
Albertson, Richard H.
Mount Sinai Hospital Research Foundation, Inc., assignee: *See*—
Shwartzman, Gregory.
Mountinho, Antonio, Oakville, Conn. Clock train periodic switch. 2,614,183, Oct. 14.
Mourer, Kermit L., and L. E. Harris, assignors to Norden Laboratories, Lincoln, Nebr. Sulfonamide composition. 2,582,147, Jan. 8.
Mourfield, Carl L., assignor to C. E. Logan, Dallas, Tex. Pneumatically actuated marble game apparatus. 2,582,844, Jan. 15.
Mourfield, Carl L., Dallas, Tex. Device for making multiple exposures of images. 2,605,675, Aug. 5.
Mouron, B. Deleray: *See*—
Adams, Clarence R., Sherwood, and Mouron.
Mousel, Canellen K., Edison, Nebr. Cooling system for motor vehicles. 2,587,197, Feb. 26.
Moutsulkerindustrie, N. V., & Exiractiebedrijf Maltostase, assignee: *See*—
Krenger, Pieter.
Mouw, Andrew, Huntington Woods, assignor to No-Sag Spring Company, Detroit, Mich. Spring construction 2,613,733, Oct. 14.
Mouw, Garrett H., Royal Oak, Mich. Tool grinding fixture. 2,595,093, Apr. 29.
Mouzon, James C.: *See*—
Wild, Rudolf F., Dyer, Mouzon, and Wills.
Mouzon, James C., Chevy Chase, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Servomotor damping system. 2,583,339, Jan. 22.
Mowat, John F., La Grange, Ill., assignor to United States Steel Company. Soaking pit. 2,611,600, Sept. 23.
Mowat, John H.: *See*—
Waller, Coy W., and Mowat.
Mowat, John H., Pearl River, and C. W. Waller, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Benzoylpolyglutamic acid amides and preparation of the same. 2,592,454, Apr. 8.
Mowbray, Douglas T., Waterloo, Iowa. Protective sock with tubular marginal air enclosure having valve means. 2,582,648, Jan. 15.
Mowbray, Douglas T., Waterloo, Iowa. Antiskid foot operated bellows. 2,609,000, Sept. 2.
Mowbray, Harry L., Medford, Okla. Rod weeder for chisel plows. 2,614,475, Oct. 21.

Mowll, Philip W.: *See*—
Seagren, Carl E., and Mowll.
Mowrey, Lester D.: *See*—
Smith, Ellis B., and Mowrey.
Mowry, David T.: *See*—
Schlesinger, Arthur H., and Mowry.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tri-alkenyl benzene. 2,591,587, Apr. 1.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Fungicidal use of certain furfuryl carbanilates. 2,591,588, Apr. 1.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Gamma-nitroalkyl-alpha,beta-dichloro-gamma-crotonolactones. 2,591,589, Apr. 1.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Bis (p-chlorophenylmercapto) methane and insecticidal compositions thereof. 2,594,480, Apr. 29.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyamide resins from dinitriles and formaldehyde. 2,617,786, Nov. 11.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Thiocyanoalkyl carbanilates. 2,617,818, Nov. 11.
Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. 1,3,5-tris (α-hydroxyethyl) benzene. 2,617,831, Nov. 11.
Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Destroying undesired plants. 2,617,722, Nov. 11.
Moxley, Stephen D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Apparatus for grinding and gauging objects such as nuts. 2,603,042, July 15.
Moyer, Andrew J.: *See*—
Blom, Russell H., Sohns, and Moyer.
Crocker, Charles K., Moyer, and Pfeifer.
Moyer, C. L., Company, assignee: *See*—
Moyer, Charles L.
Moyer, Charles L., deceased, by C. S. Bassett, executor, assignor to C. L. Moyer Company, Chicago, Ill. Feed and transfer mechanism for book-trimming machines. 2,590,198, Mar. 25.
Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Drain for floating roof tanks. 2,601,316, June 24.
Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Vapor vent for floating roof tanks. 2,601,317, June 24.
Moyer, Frederick D., and L. P. Zick, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal hanger for floating roofs. 2,587,508, Feb. 26.
Moyer, Hyman, deceased, by R. C. Moyer, executrix, Marblehead, assignor to Bunny Bear, Inc., Everett, Mass. Portable infant's crib. 2,586,247, Feb. 19.
Moyer, Melvin L., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,596,273, May 13.
Moyer, Melvin L., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,596,425, May 13.
Moyer, Melvin L., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,602,779, July 8.
Moyer, Ralph D., Dunbar, Pa. Apparatus for measuring, indicating, and recording true vertical and horizontal distances. 2,607,996, Aug. 26.
Moyer, Rebecca C., executrix: *See*—
Moyer, Hyman.
Moyer, Richard C., N. J. Oliver, and M. L. Rysdon, assignors to Sioux Steel Company, Sioux Falls, S. Dak. Louver. 2,587,509, Feb. 26.
Moyer, Richard E.: *See*—
McLean, Douglas M., Tallman, and Moyer.
Moyer, Walter W., Company, assignee: *See*—
Godshall, Nicholas G., and Marks.
Moyer, Wendell W.: *See*—
Marmor, Ralph A., and Moyer.
Moyer, Wendell W., Camas, Wash., and W. F. Allen, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Nutrient adjunct for the preparation of streptomycin. 2,597,019, May 20.
Moyers, W. T., assignee: *See*—
Spann, Ben A.
Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. O-2,4,5-trichlorophenyl O,O-dialkylphosphates. 2,599,515, June 3.
Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. O-2,4,5-trichlorophenyl O,O-dialkylthiophosphates. 2,599,516, June 3.
Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. O,O-Di(4-chlorophenyl) N-alkylamidothiophosphates. 2,615,037, Oct. 21.
Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. O,O-Di(polyhalophenyl) N-substituted amidothiophosphates. 2,615,038, Oct. 21.
Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 2,2'-alkylidene-bis(6-alkyl-4-chlorophenols). 2,623,907, Dec. 30.
Moyle, Clarence L., Clare, and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. 3-alkyl-2,2'-dihydroxy - 3', 5, 5', 6' - tetrachlorodiphenylmethanes. 2,606,210, Aug. 5.
Moyle, Clarence L., Clare, and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Dihydroxydiphenylmethanes. 2,616,932, Nov. 4.
Moynahan Bronze Company, assignee: *See*—
Cudini, Roger G.
Moynihan, John D., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-frequency oscillator. 2,615,985, Oct. 28.
Mozal, William H., trustee, assignee: *See*—
Nardulli, Michael J.
Mozley, Robert F., Berkeley, Calif., assignor to The Sperry Corporation. Circuits for object locator apparatus. 2,613,317, Oct. 7.
Mozur, Kasimier W., Erie, Pa. Gear train. 2,581,128, Jan. 1.
Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Draveil, France. Method and apparatus for controlling machines driven by direct-current motors. 2,583,301, Jan. 22.
Mrstik, Adolph V., Harvey, Ill., assignor to Sinclair Refining Company, New York, N. Y. Alkylation reactor. 2,618,534, Nov. 18.
Mrstik, Adolph V., Harvey, Ill., assignor to Sinclair Refining Company, New York, N. Y. Two-stage alkylation process. 2,618,669, Nov. 18.
Mucher, George J., Rochester, assignor to Clarostat Mfg. Co. Inc., Dover, N. H. Operating control. 2,593,332, Apr. 15.
Muchmore, Robert B.: *See*—
Sensiper, Samuel, Muchmore, and Hupcey.
Muciaccia, Frank, Hoboken, N. J., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Muciaccia. Car protector. 2,623,481, Dec. 30.
Muckala, Hugo H., Bagley, Minn. Automatic liquid supply regulator for milk driers. 2,612,181, Sept. 30.
Muckler, Frank, Sappington, assignor to Southern Equipment Company, St. Louis, Mo. Drain valve for sinks and the like. 2,580,575, Jan. 1.
Mudd, Harry A., Maplewood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Control device. 2,591,184, Apr. 1.
Mudry, Rodolfo A.: *See*—
Giaccaglia, Mario C. L., and Mudry.
Muecke, Edward, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cone support for sewing machines. 2,592,318, Apr. 8.
Muehlenkamp, George T., Columbus, Ohio, assignor, by mesne assignments, to Fostoria Glass Company, Moundsville, W. Va. Electric furnace. 2,594,972, Apr. 29.
Muehlenkamp, George T., Columbus, Ohio, assignor, by mesne assignments, to Fostoria Glass Company, Moundsville, W. Va. Electric furnace and lead electrode. 2,594,973, Apr. 29.
Muehling, Anthony A., Detroit, Mich. Universal chuck vice. 2,594,057, Apr. 22.
Muehling, Anthony A., Detroit, Mich. Clamp operating and locking means. 2,603,323, July 15.
Mueller, Carl H.: *See*—
Klein, Victor G., and Mueller.
Mueller, Charles, Oak Ridge, N. J. Hair clipper attachment. 2,614,323, Oct. 21.
Mueller, Charles W., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company. Sewing machine. 2,588,274, Mar. 4.
Mueller Co., assignee: *See*—
Bowan, Walter J., and Tratzik.
Gould, Wallace E.
Grosboll, Lorin E.
Lowe, Earl W., and Reedy.
Mueller, Frank H.
Mueller, Robert H.
Preston, William E., Cappelen, and Miller.
Tratzik, Frederick.
Mueller Electric Company, assignee: *See*—
Flynn, Alfred A.
Mueller, Erich O.: *See*—
Wright, Willard L., and Mueller.
Mueller, Ernest R.: *See*—
McGraw, Leslie D., Faust, and Mueller.
Mueller, Ervin H., Grosse Pointe, Mich. Simmer control for a valve for a gaseous fuel. 2,583,959, Jan. 29.
Mueller, Ervin H., Grosse Pointe, Mich. Valve with adjustable flow control. 2,592,056, Apr. 8.
Mueller, Ervin H., Grosse Pointe, Mich. Lighter structure for gas burners. 2,612,218, Sept. 30.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Diverter valve with O ring seal. 2,621,886, Dec. 16.
Mueller, Fritz G.: *See*—
Tallaferro, David B., McClung, and Mueller.
Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Antistatic photographic film. 2,584,362, Feb. 5.
Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Antistatic photographic film. 2,591,590, Apr. 1.
Mueller Furniture Co., assignee: *See*—
Oothoudt, Howard H.
Mueller, Hans, assignee: *See*—
Rines, Robert H.

Mueller, Hans, Cambridge, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Determining the polarization of a light beam. 2,583,186, Jan. 22.

Mueller, Hans, Belmont, and R. H. Rines, Brookline, Mass. Modulated light communication system. 2,623,165, Dec. 23.

Mueller, Herbert B., Los Angeles, Calif. Traffic signal. 2,616,388, Nov. 4.

Mueller, Herbert H., Winchester, Mass., assignor to E. F. Drew & Co., Inc., New York, N. Y. Reconstruction of glyceride oils. 2,585,027, Feb. 12.

Mueller, Herman G., Erie, Pa. Fluid pump unit. 2,607,296, Aug. 19.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Roller chain. 2,582,057, Jan. 8.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Vehicle wheel. 2,609,244, Sept. 2.

Mueller, John, deceased, by A. Whittaker, administratrix, North Bergen, N. J., assignor to Remington Rand Inc., New York, N. Y. Combined tabulator and summary punch. 2,580,693, Jan. 1.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,610,023, Sept. 9.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,621,019, Dec. 9.

Mueller, Margaret E., New York, N. Y. Insulation board. 2,608,492, Aug. 26.

Mueller, Max B., Dumont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing pyridine carboxylic acids. 2,586,555, Feb. 19.

Mueller, Moritz L., Silver Spring, Md. Air-heating furnace. 2,620,786, Dec. 9.

Mueller, Otto, Dearborn, Mich. Hydraulic punch and stripping device. 2,586,695, Feb. 19.

Mueller, Otto, Dearborn, Mich. Punch-retaining assembly. 2,616,712, Nov. 4.

Mueller, Paul, assignor to Paul Mueller Company, Springfield, Mo. Forced air flow air heating furnace. 2,619,082, Nov. 25.

Mueller, Paul, Company, assignee: *See*—
Mueller, Paul.

Mueller, Paul G., Los Angeles, Calif. Liquid measuring and dispensing. 2,585,821, Feb. 12.

Mueller, Paul M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Blade finishing machine. 2,606,406, Aug. 12.

Mueller, Reinhold H., Jefferson City, and G. W. Fossleck, University City, Mo. Tobacco smoking pipe. 2,592,455, Apr. 8.

Mueller, Robert A., assignor to Gray Tool Company, Houston, Tex. Valve. 2,588,149, Mar. 4.

Mueller, Robert A., and R. L. Crain, assignors to Gray Tool Company, Houston, Tex. Casing completion and method. 2,620,880, Dec. 9.

Mueller, Robert E., New York, N. Y. Audible bicycle. 2,619,931, Dec. 2.

Mueller, Robert H.: *See*—
Russell, Francis R., and Mueller.

Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Valve. 2,614,852, Oct. 21.

Mueller, Robert K., Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Electromagnetic apparatus. 2,596,711, May 13.

Mueller, Robert K., Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Electromagnetic apparatus. 2,596,712, May 13.

Mueller, Rudolph R., Marion, Ind. Toaster and the like. 2,595,283, May 6.

Mueller, Rudolph R., Marion, Ind. Timer for toasters. 2,605,832, Aug. 5.

Mueller, Waldemar B., Chicago, Ill. Grade indicator for automotive vehicles. 2,609,616, Sept. 9.

Mueller, William G.: *See*—
Farrell, Robert A., and Mueller.
Farrell, Robert A., Mueller, and Bartes.

Mueller, Willy, Riehen, assignor to Ciba Limited, Basel, Switzerland. Manufacture of acetoacetic acid amides. 2,615,917, Oct. 28.

Mueller, Willy, and M. Schmid, Riehen, assignors to Ciba Limited, Basel, Switzerland. Azo dyestuffs. 2,617,798, Nov. 11.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Diamond holder for 180 degree concave radii in grinding wheels. 2,591,591, Apr. 1.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Diamond holding tool for cutting concave grinding wheel face. 2,602,439, July 8.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Dressing tool fixture. 2,622,580, Dec. 23.

Muench, Walter, Incorporated, assignee: *See*—
Muench, Walter.

Muenchinger, Herman G., South Foster, R. I. Fastening device and making same. 2,588,404, Mar. 11.

Muerle, Richard W., Springfield, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Air intake device for water pumps. 2,594,793, Apr. 29.

Muff, Georg, assignor to Luscher, Leber & Co. A. G., Berne, Switzerland. Breakup bank for composing rooms. 2,584,039, Jan. 29.

Mufich, Frank J., Inglewood, Calif., and H. S. Ross, Twin Falls, Idaho, assignors to Wemac Company, Inglewood, Calif. Valve device. 2,596,909, May 13.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for measuring intensity of magnetic fields. 2,598,284, May 27.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for measuring intensity of magnetic fields. 2,598,285, May 27.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Detecting device. 2,608,602, Aug. 26.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Electric pulse-forming shot-firing device. 2,623,922, Dec. 30.

Muffly, Glenn, Springfield, Ohio. Ice-cream freezer. 2,596,274, May 13.

Mugdan, Magdalena, executrix: *See*—
Fenne, Derrick J., and Mugdan.

Mugdan, Martin: *See*—
Fenne, Derrick J., and Mugdan.

Mugler, Charles M., Los Angeles, Calif. Coring or perforating device. 2,611,434, Sept. 23.

Mugnier, Joachim, Seynod, France. Multiple table desk. 2,614,017, Oct. 14.

Muhlenkort, Mike, Sioux Falls, S. Dak. Air-heating furnace for grain dehydration. 2,603,207, July 15.

Muhlethaler, Ernest F., Geneva, Switzerland. Nose clip for administering medicines. 2,620,795, Dec. 9.

Muhlsteff, Robert P.: *See*—
Alsberg, Dietrich A., and Muhlsteff.

Muir, Charles M., Toledo, Ohio. Wheel mounting. 2,622,932, Dec. 23.

Muir, Hunter M., assignee: *See*—
Jinks, Charles A.

Muirhead & Company Limited, assignee: *See*—
Bell, John.

Muirhead, James, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Filter. 2,598,818, June 3.

Mulanax, Walter W.: *See*—
Bausch, Evan J., and Mulanax.

Mulcahy, David E., Williamsburg, Mich. Bath table. 2,602,167, July 8.

Mulcahy, Harry W.: *See*—
Dath, George E., and Mulcahy.

Mulcahy, Harry W., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake for railway cars. 2,618,170, Nov. 18.

Mulcahy, Harry W., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,623,743, Dec. 30.

Mulder, Johannes G. W., and T. Hagenberg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Sealing glass windows to metallic cones for cathode-ray tubes. 2,598,286, May 27.

Muldoon, Bernard F., Verona, N. J., assignor to H. Hyman, New York, N. Y. Portable electric flashlight with retractable mount for auxiliary lamps. 2,581,129, Jan. 1.

Mulford, Stewart F., Van Nuys, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Compensated thermocouple. 2,612,779, Oct. 7.

Mulhern, Marvin J.: *See*—
Miltag, Albert H., and Mulhern.

Mulhern, William A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hub cap clip and mounting. 2,595,873, May 6.

Mulholland, David E., Reading, Pa. Cloth texturnig apparatus. 2,617,170, Nov. 11.

Mull, Bruce D., Tullahoma, Tenn. Suture gun. 2,611,366, Sept. 23.

Mull, Raymond A., St. Joseph Township, Berrien County, Mich. Parallel screw machinist's clamp. 2,594,794, Apr. 29.

Mull, Raymond A., Saint Joseph Township, Berrien County, Mich. Sine protractor. 2,609,612, Sept. 9.

Mullan, Joseph, Baltimore, Md. Key ejecting lock. 2,589,422, Mar. 18.

Mullan, Joseph, Baltimore, Md. Lock and key ejector. 2,603,082, July 15.

Mullaney, Ralph A.: *See*—
Gerber, George A., and Mullaney.

Mullaney, Ralph A., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Continuously variable-speed turntable driving system. 2,615,342, Oct. 28.

Mullaney, Ralph A., Elmwood Park, K. Emde, Itasca, and H. H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation. Record changing apparatus. 2,622,885, Dec. 23.

Mullen, Edward, assignor to Mechanical Handling Systems Inc., Detroit, Mich. Electrical power collector assembly. 2,617,898, Nov. 11.

Mullen, Edward, and J. Boyko, assignors to Mechanical Handling Systems, Inc., Detroit, Mich. Loading equipment for vehicle carrying trailers. 2,595,533, May 6.

Mullen, Edward, and L. H. Garman, assignors to Mechanical Handling Systems Inc., Detroit, Mich. Air spring dual wheel running gear. 2,597,122, May 20.

Mullen, Edward P., Somerset, Mass. Apparatus for treating web material. 2,620,544, Dec. 9.

Mullen, Harris H., Tampa, Fla. Shiftable shade. 2,598,588, May 27.

Mullen, James T., assignor to The Dyment Company, Cleveland, Ohio. Advertising display device. 2,614,351, Oct. 21.

Mullen, Theodore E.: *See*—
Powell, George M., 3rd, and Mullen.

Mullen, William G., Winchester, Mass., assignor, by mesne assignments, to A. B. Dick Company, Village of Niles, Ill. Photographic printing plate. 2,598,189, May 27.

Mullen, William G., Winchester, Mass., assignor, by mesne assignments, to A. B. Dick Company, Village of Niles, Ill. Dampening apparatus and method for lithographic printing. 2,604,848, July 29.

Mullenbach, William, Charles City, Iowa. Cam actuated adjustable mold clamp. 2,581,040, Jan. 1.

Muller, Albert, Plainfield, N. J., assignor to Air Reduction Company, Incorporated. Electric arc welding. 2,621,278, Dec. 9.

Müller, Albert, Jr., assignee: *See*—
Müller, Albert.

Müller, Albert, Uster, assignor to A. Müller, Jr., Glattbrugg, Switzerland. Loom picking motion. 2,583,005, Jan. 22.

Müller, Beat, Zurich, Switzerland. Removable partial denture. 2,594,200, Apr. 22.

Muller, Caroline A., Minneapolis, Minn. Post-operation belt. 2,596,275, May 13.

Muller, Ferdinand, Elmhurst, N. Y. Brewer's cereal cooker. 2,592,170, Apr. 8.

Müller, Ferdinand H., Roseland, N. J. Flashlight comprising permanently assembled lamp, cell, housing, and switch structure. 2,600,418, June 17.

Muller, George H.: *See*—
Kahl, Joseph, and Muller.

Muller, George J., Philadelphia, assignor, by mesne assignments, to Taylor Fibre Co., Norristown, Pa. Vibration isolator. 2,591,461, Apr. 1.

Muller, Georges: *See*—
Velluz, Leon, and Muller.

Müller, Hans, Erlenbach/Zurich, Switzerland. Device for mixing, stirring, emulsifying, etc. 2,615,692, Oct. 28.

Müller, Hans K., Winterthur, Switzerland, assignor, by mesne assignments, to Rodney Hunt Machine Company, Orange, Mass. Apparatus for evaporating and concentrating liquids. 2,596,086, May 6.

Muller, Heinrich, Manchester, England. Variable electric chokes, transformers, or the like. 2,602,097, July 1.

Muller, Herman E., Jr., Youngstown, Ohio, assignor to United States Steel Company. Roll grooving method and apparatus. 2,603,131, July 15.

Müller, Josef, and J. Patry, Zurich, W. Baumberger, Puidoux, and A. Klein, assignors to Albiswerk Zuerich A. G., Zurich, Switzerland. High-frequency control system for traffic signals. 2,622,140, Dec. 16.

Müller, Karl, assignor to Maag-Zahnräder und Maschinen Aktiengesellschaft, Zurich, Switzerland. Gear wheel testing apparatus. 2,602,236, July 8.

Müller, Karl E.: *See*—
Schmidt, Friedrich W., and Müller.

Müller, Karl E., Leverkusen-Bayerwerk, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Synthetic polymeric product and producing the same. 2,620,516, Dec. 9.

Müller, Theodor, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Radial pump and radial motor hydraulic transmission. 2,585,574, Feb. 12.

Muller, Victor C., U. S. Navy, assignor to the United States of America as represented by the Secretary of the Navy. Nestable leg caliper. 2,597,891, May 27.

Mullerheim, Kurt, New York, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Conveyer switching system. 2,614,506, Oct. 21.

Mulligardt, Alex S., San Francisco, Calif., assignor to Weber Aircraft Corporation. Adjustable object handling cradle. 2,620,930, Dec. 9.

Mulligan, James H., Jr.: *See*—
Snyder, Ellery P., and Mulligan.

Mulligan, Leo: *See*—
Camilli, Guglielmo, and Mulligan.
Camilli, Guglielmo, Gray, and Mulligan.

Mullikin, Alfred, San Francisco, Calif. Flexible binder post. 2,586,556, Feb. 19.

Mullin, Henry A., Albuquerque, N. Mex. Disk ripper plow assembly. 2,603,049, July 15.

Mullings, John E.: *See*—
Jahn, Fred S., Carmien, and Mullings.
Jahn, Walter K., Carmien, and Mullings.

Mullinix, Charles D., Los Angeles, Calif. Cooky bag. 2,582,346, Jan. 15.

Mullins, Gerald L., Camden, Ark. Screw pump. 2,614,499, Oct. 21.

Mullins Manufacturing Corporation, assignee: *See*—
Stanitz, Jacques.
Stanitz, Jacques, and Schlobohm.

Mullins, Paul V.: *See*—
Baird, Carl E., and Mullins.

Mullins, Paul V., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of the Interior. Method and apparatus for treatment of gaseous hydrocarbon mixtures. 2,595,284, May 6.

Mullis, Maxwell H.: *See*—
Loy, Cyril W., and Mullis.

Mullner, Louis, St. Paul, Minn. Earth pulverizer with rock separating means. 2,619,294, Nov. 25.

Mulno, Lester F., assignor to Harrington & Richardson Arms Co., Worcester, Mass. Magazine fastening device for shotguns. 2,597,746, May 20.

Mulno, Lester F., assignor to Harrington & Richardson Arms Co., Worcester, Mass. Unitary trigger, sear, bolt stop, and cartridge ejector. 2,618,878, Nov. 25.

Mulock-Bentley, Desmond: *See*—
Bradford, George, Mulock-Bentley, and Auret.

Multi-Deck Corporation of America, assignee: *See*—
White, Ellis E.

Multiscreen Corporation, assignee: *See*—
Weldon, Joseph T.

Mulvaney, John F.: *See*—
Murphy, James G., and Mulvaney.

Mulvany, Harry A., Berkeley, Calif. Preservation of eggs. 2,618,216, Nov. 18.

Mulvany, Harry A., Berkeley, Calif. Preservation of eggs. 2,618,562, Nov. 18.

Mulvihill, Thomas N., Grand Junction, Colo. Educational toy. 2,608,006, Aug. 26.

Muma, Richard A., assignor to Beech Aircraft Corporation, Wichita, Kans. Automatic propeller feathering system. 2,601,901, July 1.

Mumberg, Fritz H., Philadelphia, Pa. Thermometer. 2,597,362, May 20.

Mumford, William W.: *See*—
Lewis, Willard D., and Mumford.

Mumma, Elmer L., assignor to F. X. Hooper Company, Inc., Glen Arm, Md. Single facer drive. 2,600,907, June 17.

Mumma, Harold J., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Quick-change sizer counter switch mounting. 2,581,693, Jan. 8.

Mumma, Robert E.: *See*—
Desch, Joseph R., and Mumma.

Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counting device. 2,584,363, Feb. 5.

Mumma, Roy H.: *See*—
Montanus, Richard C., Mumma, and Davies.

Muncy, James H.: *See*—
Ashby, Robert M., and Muncy.

Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Production of aromatic amines. 2,620,356, Dec. 2.

Munday, John C., Cranford, N. J., and E. W. S. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company. Process and apparatus for the reforming of naphtha hydrocarbons. 2,602,771, July 8.

Mundell, Earl L.: *See*—
Sanders, Ellmore F., and Mundell.

Mundell, John O., Des Moines, Iowa. Universal halter. 2,622,381, Dec. 23.

Mundet Cork Corporation, assignee: *See*—
Suthers, Harold F.

Munding, Louis H., Jr.: *See*—
Smith, George T.

Mundt, Theodorus W., Bilthoven, Netherlands. Rail chair. 2,609,148, Sept. 2.

Mundy, Arthur L.: *See*—
Mundy, Edward R. and A. L.

Mundy, Edward R., Ephrata, Wash., and A. L. Mundy, Ben Hill, Ga. Collapsible map and schedule display device. 2,591,279, Apr. 1.

Mundy, Paul A., and C. A. Bashford; said Mundy assignor to said C. A. Bashford, Detroit, Mich., doing business as Bashford Machine Company. Connector for conduits. 2,580,818, Jan. 1.

Mungen, Richard: *See*—
Hujsak, Karol L., Kratzer, and Mungen.

Munger, Nelson W., Detroit, Mich. Folding table. 2,588,405, Mar. 11.

Mungo, Thomas A., Bronx, N. Y. Posture-corrective brassière. 2,591,462, Apr. 1.

Mungovan, Robert E., and H. W. Orr, Fort Wayne, Ind., assignors to General Electric Company. Standoff insulator stud. 2,615,954, Oct. 28.

Munk, Max M., Cottage City, Md. Laminated propeller. 2,599,718, June 10.

Munn, John R., Silver Creek, Minn. Bricklayer's guide. 2,585,160, Feb. 12.

Munoz, Alfred, Brooklyn, N. Y. Compressor. 2,622,942, Dec. 23.

Munschauer, Frederick E., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Fluid engaged and spring released clutch. 2,620,054, Dec. 2.

Munsingwear, Inc., assignee: *See*—
Chatfield, Franklin.
Chatfield, Franklin, and Folsom.

Munro, George R.: *See*—
Dilg, Walter C., and Munro.

Munro, James H., Hermosa Beach, Calif. Golf puppet ball projector. 2,616,700, Nov. 4.

Munroe, David J., assignor to Webster Electric Company, Racine, Wis. Dual stylus phonograph pickup. 2,580,694, Jan. 1.

Munroe, David J., assignor to Webster Electric Company, Racine, Wis. Visual signal type annunciator. 2,605,336, July 29.

Munschauer, Frederick E., Jr., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Hydraulic press control system. 2,617,389, Nov. 11.

Munsinger, Theodor R., Meeker, Colo. Portable well servicing rig. 2,612,242, Sept. 30.

Munsingwear, Inc., assignee: *See*—
Anderson, Carroll R.
Chatfield, Franklin.

Munson, Alonzo R., Sr., Shreveport, La. Quick-change bait casting fish lure. 2,592,171, Apr. 8.

Munson, Donald J., Anderson, Ind. Manually operated electrical throttle control. 2,604,115, July 22.

Munson, Ivan K., Forrest Heights, Md. Variable inductive coupler. 2,588,406, Mar. 11.

Munson, Joseph J., Houma, La. Cane mill. 2,607,288, Aug. 19.

Munson, Whitney K., assignee: *See*—
Condon, John C.

Munson, William H., Callahan, Calif. Adjustable roller-way for sawmill feed carriages. 2,613,702, Oct. 14.

Munster, Allen C., assignor to Philco Corporation, Philadelphia, Pa. Automatic frequency control system. 2,594,263, Apr. 22.

Munster Simms & Company Limited, assignee: *See*—
Eves, Frederick S.

Munters, Carl G., Stocksund, Sweden. Method of and apparatus for removing moisture from the interior of the walls of cold storage rooms. 2,623,364, Dec. 30.

Munter, Casimir J., St. Clair Township, Allegeheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Abrasive detergent composition. 2,581,278, Jan. 1.

Murad, B Bill, Cleveland, and E. Moir, Lakewood, Ohio. Portable wading pool. 2,580,942, Jan. 1.

Murakami, Tomomi, Philadelphia, Pa., assignor to Radio Corporation of America. Ultrahigh-frequency structure. 2,601,445, June 24.

Murana, Ett J. F., Algonquin, Ill. Cable fitting. 2,610,376, Sept. 16.

Murata, Yoshiko, Honolulu, Territory of Hawaii. Pickling. 2,580,943, Jan. 1.

Murback, Mistress A., assignee: *See*—
Amlet, Oscar.

Murbach, Mistress Albert, assignee: *See*—
Amlet, Oscar.

Murbach, Oskar, Lucerne, Switzerland. Kettle drum. 2,586,476, Feb. 19.

Murchison, Bessie F., assignee: *See*—
Murchison, Blackwell K.

Murchison, Blackwell K., assignor, by mesne assignments, to B. F. Murchison, Brooklyn, N. Y. Manual sharpening implement. 2,598,589, May 27.

Murchison, Blackwell K., Brooklyn, N. Y. Holder for shanks having protuberances. 2,616,647, Nov. 4.

Murchison, Blackwell K., Brooklyn, N. Y. Sharpening device with adjustable work support guides. 2,621,547, Dec. 16.

Murdoch, Colin D.: *See*—
Kellogg, Bruce H., and Murdoch.

Murdoch, Kenneth A.: *See*—
Jobling-Purser, Ernest J., Cox, Kirby, and Murdoch.

Murdock, Forest L., Sr., assignee: *See*—
Williams, Elmer R.

Murdock Mfg. & Supply Co., The, assignee: *See*—
Bart, Thomas E.

Murdock, Thomas B., and R. H. Ball, Schenectady, N. Y., assignors to General Electric Company. Centrifugal balance fuel valve for rotating combustion products generators. 2,596,161, May 13.

Murdock, Thomas B., Santa Monica, Calif., and R. H. Ball, Schenectady, N. Y., assignors to General Electric Company. Centrifugal balance fuel valve for rotating combustion products generators. 2,622,394, Dec. 23.

Mureau, Charles A., Sherman Oaks, Calif. Combined brush applicator mounting and closure sealing means. 2,587,198, Feb. 26.

Mureau, Charles A., Van Nuys, Calif. Retractable applicator. 2,582,451, Jan. 15.

Murfitt, Harry C.: *See*—
Oxley, Horace F., Thomas, and Murfitt.

Murl, Homer T., assignor of one-half to F. A. Collins, Kansas City, Mo. Juvenile seating device. 2,581,279, Jan. 1.

Murle, Gilbert G.: *See*—
Jeter, Edgar C., Murle, and Pascoe.

Murnane, John A., and R. L. Curry, assignors to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Air pump cylinder. 2,604,258, July 22.

Murnin, Edward A., Jr., Bethlehem, Pa. Rotary plug valve. 2,599,274, June 3.

Muros, Joseph, Newtonville, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,591,280, Apr. 1.

Muros, Joseph, Newtonville, Mass., assignor to The Gillette Company. Blade package. 2,604,977, July 29.

Muros, Joseph, Newtonville, Mass., assignor to The Gillette Company. Blade dispensing and receiving package. 2,616,556, Nov. 4.

Muros, Joseph, Newtonville, Mass., assignor to The Gillette Company. Blade dispensing package. 2,621,781, Dec. 16.

Murphey, Odas, Pomona, Calif. Scaffold jack. 2,592,057, Apr. 8.

Murphree, Dewey, administratrix: *See*—
Murphree, Henry O.

Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Converting carbohydrates into bituminous substances. 2,581,130, Jan. 1.

Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Fluidized solids contacting apparatus. 2,612,438, Sept. 30.

Murphree, Henry O., deceased, Heavener, Okla.; D. Murphree, administratrix. Automatic flange oiler for car wheels. 2,595,692, May 6.

Murphrey, Dorsey P., Grand Rapids, Mich. Combination tea pot and hot water dispenser. 2,604,233, July 22.

Murphy, Arthur A., Palatka, Fla., dedicated to the free use of the People in the territory of the United States. Bark hack and attachment for holding a spray bottle. 2,591,716, Apr. 8.

Murphy, Arthur J., assignor of one-half to S. Lawrence Atkins, New York, N. Y. Loom. 2,609,840, Sept. 9.

Murphy, Bernard J., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Adjustable height vehicle seat. 2,587,751, Mar. 4.

Murphy, Charles J.: *See*—
Miller, Charles F., and Murphy.

Murphy, Charles M., Jr.: *See*—
Saunders, Charles E., and Murphy.

Murphy, Charles T., assignee: *See*—
Barrett, Arthur J.

Murphy, Daniel C., Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Container-carrier. 2,598,710, June 3.

Murphy, David Z., Portland, assignor of forty-five per cent to W. L. Wilbert, Seaside, Oreg. Crucible or melting pot. 2,621,916, Dec. 16.

Murphy, Donald D., New Philadelphia, Ohio, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Resilient supporting means for conveyor belts. 2,622,447, Dec. 23.

Murphy, Elias S., and S. A. Davidson, Ogden, Utah. Production of aluminum. 2,606,814, Aug. 12.

Murphy, Francis H., Webster Groves, Mo., assignor to Switzer Companies. Edge piling machine. 2,586,172, Feb. 19.

Murphy, Francis H., Webster Groves, Mo., assignor to Switzer Companies. Article feeding device for wrapping machines. 2,599,932, June 10.

Murphy, Frank L., Chicago, R. W. Haman, Flossmoor, and S. W. Kay, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway vehicle. 2,621,612, Dec. 16.

Murphy, George B., New York, N. Y. Sheet metal cutter. 2,598,287, May 27.

Murphy, Gilbert C., Indianapolis, Ind. Registering color plates. 2,614,491, Oct. 21.

Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Passenger accommodations for railway cars and similar vehicles. 2,583,960, Jan. 29.

Murphy, Harold P., Ridley Park, Pa. assignor to The Electric Storage Battery Company. Reducing local action in lead acid storage batteries. 2,582,845, Jan. 15.

Murphy, Harry E.: *See*—
Murphy, Harry N., Weinhart, and Murphy.

Murphy, Harry N., M. Weinhart, and H. E. Murphy, Sioux City, Iowa. Rodent and animal trap. 2,608,020, Aug. 26.

Murphy, James G., Brooklyn, N. Y., and J. F. Mulvaney, Jersey City, N. J., assignors to R. L. Evans, Bay Shore, N. Y. Preparation of beta, beta-dithio dicarboxylic acids and esters. 2,623,066, Dec. 23.

Murphy, John B., Freeport, assignor to American Water Works Company, Incorporated, New York, N. Y. Device for removing seals from water wells and other purposes. 2,598,930, June 3.

Murphy, John E., and G. W. P. Beckemeier, Spokane, and E. C. Couture, Colbert, assignors of fifty per cent to F. N. Norton, North Richland, Wash. Can punch. 2,584,490, Feb. 5.

Murphy, John F., Nashua, N. H. Soap container. 2,612,650, Oct. 7.

Murphy, Joseph F., West Roxbury, assignor to Lumitype Corporation, Roxbury, Mass. Type assembly device. 2,587,368, Feb. 26.

Murphy, Joseph F., West Roxbury, assignor to Lumitype Corporation, Roxbury, Mass. Contact printing machine with phototype. 2,615,380, Oct. 28.

Murphy, Paul N., Hobart, Ind., assignor to United States Steel Company. Cleaning hot-dip tin-plate. 2,601,863, July 1.

Murphy, Reginald J., assignor to Harrison (Birmingham) Limited, Birmingham, England. Bracket for supporting curtain rails. 2,590,446, Mar. 25.

Murphy, Richard J., Peabody, Mass. Sliding closure. 2,602,693, July 8.

Murphy, Robert H., West Hartford, and F. P. D'Esopo, assignors to The Wiremold Company, Hartford, Conn. Connection device for open front conduits. 2,597,513, May 20.

Murphy, Robert P.: *See*—
Hartline, Ralph E., and Murphy.

Murphy, Roy D., assignee: *See*—
Bergeron, Rosaire.

Murphy, Thomas W., and J. M. Carroll, Narberth, assignors to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Air admission director for oil burners. 2,609,869, Sept. 9.

Murphy, William G., Jr., North Hollywood, Calif. Garment reinforcement. 2,583,225, Jan. 22.

Murphy, William G., Jr., North Hollywood, Calif. Undergarment. 2,583,226, Jan. 22.

Murphy, William H., Chicago, Ill. Frame construction for chairs or the like. 2,608,244, Aug. 26.

Murphy, William P., Jr., assignor to Harvard Apparatus Company, Inc., Dover, Mass. Change-speed apparatus. 2,596,819, May 13.

Murray, Addie P., and O. E. Barthel, Detroit, Mich. Articulator for making artificial dentures. 2,613,440, Oct. 14.

Murray, Alan R., Arlington, Va. Cryptographic system and apparatus. 2,621,424, Dec. 16.

Murray, Alan E., New York, N. Y. Roller skating suspension skates. 2,581,809, Jan. 8.

Murray, Alan E., New York, N. Y. Making shoes. 2,606,333, Aug. 12.

Murray, Alan E., New York, N. Y. Producing shoes. 2,617,130, Nov. 11.

Murray, Alfred T., Pasadena, Calif. Self-renewing valve. 2,614,791, Oct. 21.

Murray, Aubrey S., Elizabethton, Tenn. Pedestal drafting table or the like. 2,601,998, July 1.

Murray, Christopher A., Nederland, Tex., assignor to The Pure Oil Company, Chicago, Ill. Prevention of ammonium sulfide corrosion. 2,589,114, Mar. 11.

Murray Company of Texas, Inc., The, assignee: *See*—
Graebe, Herman C.

Murray Corporation of America, The, assignee: *See*—
Gould, Byron C.
Haberstump, Alfred H.
Hess, Werner G.
Stevens, Robert H.

Murray, D. J., Manufacturing Co., assignee: *See*—
Eklund, Henrik J., and Miller.

Murray, Donald E., Modesto, Calif. Hydraulically controlled apron and ejector assembly for earth working scrapers. 2,609,622, Sept. 9.

Murray, Ernest E., Birmingham, Mich. Polishing belt control means. 2,597,256, May 20.

Murray, Forrest H.: *See*—
Straus, Henry A., Bell, and Murray.

Murray, George E. R., Feasterville, and B. J. Wilson, Oreland, assignors to Leeds and Northrup Company, Philadelphia, Pa. Reflecting measuring device with dual sensitivity. 2,615,367, Oct. 28.

Murray, George H.: *See*—
Barlow, Benjamin W., and Murray.

Murray, Gilbert: *See*—
Coote, Jack H., and Murray.

Murray, Gregory J.: *See*—
Hughes, Floyd H., and Murray.

Murray, Harold C., Rehoboth, Mass., assignor to United States Rubber Company, New York, N. Y. Card clothing. 2,619,683, Dec. 2.

Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. Oxygenation of steroids by mucorales fungi. 2,602,769, July 8.

Murray, Jack W., Salem, Wis. End bracket for utility stands. 2,597,166, May 20.

Murray, James V., Jr.: *See*—
Doughty, Edward W., Murray, and Fales.

Murray, Jerome L., New York, N. Y. Pressure cooking device. 2,610,764, Sept. 16.

Murray, Jerome L., Stamford, Conn. Fruit reamer. 2,610,663, Sept. 16.

Murray, Jerome L., Stamford, Conn. Knife sharpener. 2,616,231, Nov. 4.

Murray, John W., Richmond Heights, Mo. Inlay for molded plastic articles. 2,586,978, Feb. 26.

Murray, Joseph M.: *See*—
Corbet, Harold L., Holland, and Murray.

Murray Manufacturing Corporation, assignee: *See*—
Rypinski, Albert B.

Murray, Matthew T.: *See*—
Holland, Carl A., and Murray.

Murray, Michael F., assignor of thirty per cent to G. A. Strawn, and forty per cent to M. L. Gans, Springfield, Oreg. Fishing lure. 2,600,673, June 17.

Murray Ohio Manufacturing Company, The, assignee: *See*—
Douglas, Alvin P., and Walters.

Murray, Orval D., Fort Collins, Colo. Drier. 2,617,203, Nov. 11.

Murray, Peter R., and D. C. Bright, Dayton, Ohio, assignors to United States of America as represented by the Secretary of War. Remote-control system for aircraft. 2,580,453, Jan. 1.

Murray, Robert C., assignor to Rubber & Tire Materials Company, Dallas, Tex. Curing tube. 2,582,715, Jan. 15.

Murray, Russell T., El Cerrito, and F. Viti, San Francisco, assignors to Grove Regulator Company, Oakland, Calif. Pressure welding machine. 2,585,266, Feb. 12.

Murray, Victor E., assignor of 60 per cent to C. H. Reedy, Cincinnati, Ohio. Passenger car type two-speed axle. 2,585,028, Feb. 12.

Murray, Wallace J.: *See*—
Follett, Robert P., and Murray.

Murray, Willard M.: *See*—
Ayers, Charles L., and Murray.

Murray, William, Leamington Spa, England. Automatic control for electric heaters and other purposes. 2,591,852, Apr. 8.

Murray, William S., Utica, and M. T. Ludwick, assignors to The Indium Corporation of America, New York, N. Y. Soldered joint and making same. 2,623,273, Dec. 30.

Murrell, Ernest B., assignor of one-half to J. A. Boyd, Little Rock, Ark. Broom and mop rack. 2,584,219, Feb. 5.

Murrill, James, San Francisco, Calif. Safety lock for trailers. 2,609,211, Sept. 2

Mursch, William H., Pittsburgh, Pa., assignor to United States Steel Company. Stock-feeding hopper for blast furnaces. 2,619,344, Nov. 25.

Murtagh, James J.: *See*—
Kinker, Clarence C., and Murtagh.

Murtaugh, John J., Jr., Floral Park, N. Y., assignor to The Mosler Safe Company, Hamilton, Ohio. Receipt issuing night depository. 2,604,967, July 29.

Muscott, Lawrence W.: *See*—
Dieckmann, James R., Muscott, and Roche.

Musebeck, George E., Nashotah, and J. C. Boehm, Belgium, assignors to Musebeck Shoe Company, Oconomowoc, Wis. Shoe construction. 2,583,302, Jan. 22.

Musebeck Shoe Company, assignee: *See*—
Musebeck, George E., and Boehm.

Musgrove, Edward H., Denver, Colo. Air actuated time delay control switch. 2,610,990, Sept. 16.

Musikant, Solomon, Lodi, N. J., assignor to Curtiss-Wright Corporation. Stator blade construction. 2,599,654, June 10.

Musk, Henry A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency shift monitor. 2,590,641, Mar. 25.

Muskat, Irving E., Plainfield, N. J., assignor to Marco Chemicals, Inc. Polymerizing fiber-reinforced resinous materials and product. 2,596,162, May 13.

Muskat, Irving E., and R. H. Taylor, Plainfield, N. J., assignors to The Vulcan Detinning Company. Recovering tin in the form of tin sulfide from a low-grade unreduced tin ore. 2,585,161, Feb. 12.

Muskat, Irving E., Plainfield, N. J., and F. Strain, Norton Center, Ohio, assignors, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Polyvinyl alcohol ester of an acid ester of carbonic acid and an unsaturated alcohol. 2,592,058, Apr. 8.

Muskat, Louis R., Oak Park, assignor to Triangle Package Machinery Company, Chicago, Ill. Automatic weighing machine. 2,613,905, Oct. 14.

Musschoot, Albert, Park Ridge, and H. W. Regensburger, Chicago, Ill., assignors to Link-Belt Company. Feeder for oscillating conveyers. 2,588,030, Mar. 4.

Musschoot, Albert, Chicago, Ill., assignor to Link-Belt Company. Mount for oscillating materials handling equipment. 2,591,281, Apr. 1.

Mussell, Dorsey R.: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Musselman, Glenn H., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse transmitter synchronizing system. 2,612,601, Sept. 30.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricating oil additive. 2,606,182, Aug. 5.

Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants and additives for lubricating oils and greases. 2,587,642, Mar. 4.

Musselwhite, Joseph A.: *See*—
Musselwhite, Yolanda H. and J. A.

Musselwhite, Yolanda H., Washington, D. C. Bib. 2,621,330, Dec. 16.

Musselwhite, Yolanda H. and J. A., Washington, D. C. Doll with movable arms. 2,614,365, Oct. 21.

Musser, Clarence W., Philadelphia, Pa. Combination drawing die and stripper. 2,580,454, Jan. 1.

Musso, Ferdinando P., Chicago, Ill. Shaver. 2,598,711, June 3.

Musso, Marcel, Paris, France. Electric regulator incorporating piled up carbon elements. 2,581,280, Jan. 1.

Mustard, James A., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,620,774, Dec. 9.

Muster, Harold B.: *See*—
Allen, Edwin L., De Vito, and Muster.

Musyl, Robert, Vienna, Austria. Machine for grinding the main bearing pins and crankpins of crankshafts. 2,597,167, May 20.

Musyl, Robert, Vienna, Austria, assignor to Manufacture de Machines de Haute Rhin, Moulhause-Burtzwiller, France. Device for producing noncircular profiles. 2,606,403, Aug. 12.

Mutchnik, Henry, Baltimore, Md. Separable fastener for furniture legs and frames. 2,620,248, Dec. 2.

Muth, Charles H., New York, N. Y. Fishing apparatus. 2,590,721, Mar. 25.

Muth, Friedrick W., Seattle, Wash. Adjustable flag holder. 2,602,617, July 8.

Muth, Henry M., Lafleche, Saskatchewan, Canada. Drop-leaf table with mechanical actuator mechanism. 2,602,716, July 8.

Mutter, Robert A.: *See*—
Baumgartner, Cecil A., Ferguson, Koch, and Mutter.

Mutter, Walter E., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Cathode-ray storage tube. 2,597,363, May 20.

Mutual Machine Company, assignee: *See*—
Cahill, John J.

Muzzey, Clifford L.: *See*—
Carson, Howard, and Muzzey.

Muzzey, Clifford L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller pitch control apparatus. 2,590,199, Mar. 25.

Muzzey, Clifford L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulically operated propeller pitch control. 2,612,960, Oct. 7.

Muzzey, Clifford L., Lexington, Mass., and H. Carson, Seattle, Wash., assignors to General Motors Corporation, Detroit, Mich. Engine governor with modifier. 2,605,095, July 29.

Muzzy, Maurice F.: *See*—
Terdina, Frank, and Muzzy.

Myard, Francis E., Paris, France. Rotatable piston machine. 2,622,567, Dec. 23.

Mycalex Corporation of America, assignee: *See*—
Klebert, Martin V., Jr., and Backus.

Myer, Claus D., assignor to Myer Flushometer Co., Grantwood, N. J. Flush valve. 2,604,905, July 29.

Myer Flushometer Co., assignee: *See*—
Myer, Claus D.

Myers, Albert F., Berkley, assignor to Patent Developers, Inc., Detroit, Mich. Shackle and mounting therefor. 2,585,489, Feb. 12.

Myers, Arthur R., Sr., Silver Spring, Md. Reticle for use in gun sights. 2,601,726, July 1.

Myers, C. Stowe, assignee: *See*—
Ivins, Barbara, and Peltz.

Myers, Charles B. P., Victoria, British Columbia, Canada. Gaff hook and movable hook holding means therefor. 2,623,777, Dec. 30.

Myers, Claude R.: *See*—
Lambert, Homer T., and Myers.
Lucker, Millard B., Myers, and Dasse.

Myers, Clayton S.: *See*—
De Coudres, Robert A., and Myers.

Myers, Davis R., Singers Glen, assignor to The Shenandoah Equipment Company, Harrisonburg, Va., Automatic water valve. 2,601,166, June 17.

Myers, Elman B., Pompton Plains, N. J. Air inlet valve for cyclically operating jet motors. 2,605,109, July 29.

Myers, Ernest W., Dayton, Ohio. Corn fritter batter and making same. 2,617,735, Nov. 11.

Myers, Errol L., Detroit, Mich., assignor to H. O. Trerice, doing business as H. O. Trerice Company. Steam trap. 2,613,685, Oct. 14.

Myers, F. E., & Bro. Co., The, assignee: *See*—
Conery, William J.
Spreng, Warren M.
Spreng, Warren M., and Zehner.

Myers, Floyd H., Lyons, Ohio. Water fountain standard. 2,586,979, Feb. 26.

Myers, Frank A.: *See*—
Leedy, Herbert R., and Myers.

Myers, Frederick, Charlestown, Mass. Smoking pipe. 2,601,446, June 24.

Myers, Harold C.: *See*—
Biles, John L., Myers, Petry, and Cowell.

Myers, Harold C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Modified double solvent treatment. 2,582,883, Jan. 15.

Myers, Harold C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Deasphalting mixtures of hydrocarbons. 2,587,643, Mar. 4.

Myers, Harold D.: *See*—
McFerron, Alfred V., and Myers.

Myers, Harold L., Morristown, N. J. Display container. 2,593,333, Apr. 15.

Myers, Harold L., Morristown, N. J. Container having slide-operated fold-back covers. 2,597,810, May 20.

Myers, Herman E.: *See*—
Kinney, Everett F., and Myers.

Myers, Jacob C., Wake Forest, N. C. Radio signal enhancing frequency conversion method. 2,608,650, Aug. 26.

Myers, James F., and J. R. Harclerode, assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Valve for relieving high and low pressures. 2,619,113, Nov. 25.

Myers, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic desulfurization of hydrocarbons. 2,623,007, Dec. 23.

Myers, Joe T., U. S. Navy. Air valve. 2,580,455, Jan. 1.

Myers, John R., New York, N. Y., assignor to Westinghouse Air Brake Company. Emergency control apparatus for railway switches. 2,618,742, Nov. 18.

Myers, John W.: *See*—
Owen, James R., and Myers.

Myers, Joseph W.: *See*—
Stevenson, Robert O., Myers, and Turner.

Myers, Louis, Rockford, Ill. Receptacle holder for electric drink mixers. 2,585,822, Feb. 12.

Myers, Louis, Rockford, Ill. Dispenser and drink mixer. 2,586,980, Feb. 26.

Myers, Mae L., also known as M. L. Brune, Washington, D. C. Skirt. 2,602,931, July 15.

Myers, Merle F., Detroit, Mich. Platen roller support. 2,603,917, July 22.

Myers, Murray E., Lindenhurst, N. Y. Adjustable wood plug cutter. 2,598,712, June 3.

Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Party line identification system. 2,619,546, Nov. 25.

Myers, Philip, Baltimore, Md. Box. 2,596,426, May 13.

Myers, Robert C., Cambridge City, assignor to Perfect Circle Corporation, Hagerstown, Ind. Centrifugal casting coating composition for centrifugal molds and coating molds. 2,623,809, Dec. 30.

Myers, Robert L., Burnt Hills, N. Y., assignor to General Electric Company. Polymerizing tetrafluoroethylene. 2,613,203, Oct. 7.

Myers, Robert R., Jr., Des Moines, Iowa. Registering multicolor printing plates. 2,580,576, Jan. 1.

Myers, Watt: *See*—
Laing, Marvin R., and Myers.

Myers, William H.: *See*—
Septer, Leslie E., and Myers.

Myers, William H., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Printed circuit construction. 2,586,854, Feb. 26.

Myhr, Harold G., Pacific Grove, Calif. Roller support for sliding doors. 2,594,058, Apr. 22.

Myhr, Harold G., Pacific Grove, Calif. Exhaust propulsion engine including means for igniting the fuel within exhaust chambers exteriorly of the cylinders. 2,609,657, Sept. 9.

Myhre, John S., Butte, Mont., assignor to Anaconda Copper Mining Company, New York, N. Y. Rock drill rod joint. 2,606,778, Aug. 12.

Myles, Herbert N., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Telephone instrument with magnetic handset latch. 2,623,128, Dec. 23.

Myles, William J.: *See*—
Horback, William B., Wickson, and Myles.
Wickson, Edward J., Myles, and Horback.

Mylting, Lauritz E., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Self-clearing star feeder. 2,594,974, Apr. 29.

Mylting, Lauritz E., Merchantville, N. J., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Mixing apparatus. 2,594,975, Apr. 29.

Mylting, Lauritz E., Merchantville, N. J., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Seal for ash hoppers. 2,594,976, Apr. 29.

Mynssen, Jacob W., assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Transversely divided, plural-section demountable wheel-rim. 2,611,654, Sept. 23.

Myrmirides, George M., Brooklyn, N. Y. Powering vehicles. 2,581,551, Jan. 8.

Mysels, Karol J., assignee: *See*—
Garik, Serge.

Myshock, Louis, Detroit, Mich. Mop holder and fountain spray device. 2,609,236, Sept. 2.

Mzik, Charles F., Chagrin Falls, Ohio. Basket-like device and making same. 2,609,958, Sept. 9.

N. F. B. Displacement Pump Co. Limited, assignee: *See*—
Brown, Norman F.

N. V. Betonfabriek "De Meteoor," assignee: *See*—
Voslamber, Berend J.

N. V. Chemische Fabriek "Naarden," assignee: *See*—
Van der Kerk, Gerrit J. M.

N. V. Exploitatie Maatschappij "Quod Bonum," assignee: *See*—
De Goeij, Henricus J. A.
De Goeij, Henricus J. A., and Stals.

N. V. H. Verheij's Machines, assignee: *See*—
Verheij, Hendrik.

N. V. Koninklijke Maatschappij "De Schelde," assignee: *See*—
Kapsenberg, Cornelis.

N. V. Koninklijke Metaalwarenfabrieken v. h. J. N. Daalderop & Zonen, assignee: *See*—
Van Toorn, Cornelis H.

N. V. Octrooien Maatschappij "Activit," assignee: *See*—
Ramondt, Dirk.

N. V. Onderzoekingsinstituut Research, assignee: *See*—
Koch, Theodoor.
Maaskart, Leendert.

N. V. Optische Industrie "De Oude Delft," assignee: *See*—
Bouwers, Albert.

N. V. P. F. van Vlissingen & Co.'s Katoenfabrieken, assignee: *See*—
Rodenburg, Gudo H., and Holst.

N. V. Philips' Gloeilampenfabrieken, assignee: *See*—
Kronouer, Johan G.

N. V. Vereenigde Stearine Kaarsenfabrieken "Gouda-Apollo," assignee: *See*—
Treub, Jacobus P.

N. V. Zuid-Nederlandsche Spiritusfabriek, assignee: *See*—
Jansen, Max P. J. M.

Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Compressor. 2,616,613, Nov. 4.

Naamloose Vennootschap: W. A. Scholten's Chemische Fabrieken, assignee: *See*—
Kool, Cornelis M. H., van Westen, and Hartstra.
Loikema, Jan.
Loikema, Jan, and Beersma.
Loikema, Jan, and van der Meer.
Loikema, Jan, and van Westen.
Möller, Fredrik A.

Nabholz, Orvie E., Shellsburg, assignor to Le Febure Corporation, Cedar Rapids, Iowa. Tray binder. 2,582,058, Jan. 8.

Nabholz, Orvie E., Shellsburg, Iowa. Filing cabinet. 2,590,341, Mar. 25.

Naccache, Albert, Beirut, Lebanon. Internal-combustion engine having multiple compression and expansion. 2,621,473, Dec. 16.

Nace, Melvin F., Phoenix, Md. Combined stirrer and hydrometer tester. 2,616,287, Nov. 4.

Nacey, Harry M.: *See*—
Jackson, Frank W., and Nacey.

Nachbar, Benjamin, Hewlett, N. Y. Pocket atomizer. 2,591,962, Apr. 8.

Nachman Corporation, assignee: *See*—
Gleason, William W.

Nachman, Jack, Philadelphia, Pa. Ornamental trimming or fagoting strip for box pleats. 2,600,908, June 17.

Nachtigall, Milton, Fifield, Wis. Key container. 2,622,432, Dec. 23.

Nachtrieb, Norman D., Chicago, Ill. Leveling instrument. 2,587,878, Mar. 4.

Nack, Herman: *See*—
Bonner, Frank E., and Nack.
Davis, Oliver F., and Nack.

Nadal, Alessandro, assignor of two-thirds to R. and P. Abel (Abeles), Rome, Italy. Screw closure with retaining means for containers. 2,588,275, Mar. 4.

Nadasdy, Henry H., assignor to Harper-Wyman Company, Chicago, Ill. Inclined gas nozzle and horizontal mixing tube for gas burners. 2,604,151, July 22.

Nadeau, Gale F.: *See*—
Hunter, Clarence S., Hoyt, and Nadeau.

Nadeau, Gale F., and A. M. Glasoe, assignors to Eastman Kodak Company, Rochester, N. Y. Casting apparatus for film support or sheeting. 2,592,319, Apr. 8.

Nadeau, Gale F., and C. B. Starck, assignors to Eastman Kodak Company, Rochester, N. Y. Antihalation layer for cellulose ester lithographic printing plates. 2,596,713, May 13.

Nadeau, Gale F., C. B. Starck, and C. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic stripping film. 2,614,932, Oct. 21.

Nadel, Frederick P.: *See*—
Rosen, Jack, and Nadel.

Naden, Dora L., Tampa, Fla. Toe covering and making same. 2,594,482, Apr. 29.

Nadherny, Russell J.: *See*—
Cloud, Kenneth, and Nadherny.

Nadir, Mark, New York, N. Y., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Deflection circuit for cathode-ray oscillographs. 2,611,105, Sept. 16.

Nadler, Martin L., assignor to E. I du Pont de Nemours & Company, Wilmington, Del. Tetramethyl-thiuram-disulfide. 2,605,255, July 29.

Nadolsky, Isaac, Grand Rapids, and L. D. Morehouse, Marion, assignors, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carrier and handle for use therewith. 2,589,423 Mar. 18.

Naef, Alfred H., and J. P. Smith, Jr., Chatham, assignors to Daven Company, Newark, N. J. Totalizer and calculator. 2,597,123, May 20.

Naegeli, Werner, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Bearing structure for spinning and twisting spindles. 2,593,334, Apr. 15.

Naegeli, Werner, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Resilient drive connection. 2,620,140, Dec. 2.

Naekel, Charles E., Valley City, N. Dak. Loading and unloading chute for vehicles. 2,584,396, Feb. 5.

Naffziger, Theodore R.: *See*—
Lathrop, Elbert C., and Naffziger.

Nafziger, Ralph L., Los Angeles, Calif. Bread pan. 2,583,870, Jan. 29.

Nagel, Charles E., New York, N. Y., assignor to Illinois Tool Works, Chicago, Ill. Self-locking nut. 2,595,201, Apr. 29.

Nagel, Charles J., Evansville, Ind. Conveyer loader. 2,586,981, Feb. 26.

Nagel, Edward H., and A. O. Hubbell, assignors to C. F. Norris, Long Beach, Calif. Doughnut dough dispenser. 2,608,940, Sept. 2.

Nagel, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flame control apparatus. 2,594,059, Apr. 22.

Nagel, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilized control circuit. 2,600,317, June 10.

Nagel, John D., and W. Lang, Chicago, Ill.; said Lang assignor to said Nagel. Miniature bowling game and ash tray. 2,589,725, Mar. 18.

Nagel, Robert J., assignor of one-half to R. Archbold, Lake Placid, Fla. Reel for extensible antennas. 2,621,863, Dec. 16.

Nagel, Theodore, Brooklyn, N. Y. Effecting combustion of paraffinic hydrocarbon gases and vapors. 2,604,937, July 29.

Nagelburg, Irving: *See*—
Elving, Philip J., Shoemaker, Kabacoff, and Nagelburg.

Nagels, Frederik, Arcen, and J. H. G. Selen, Venlo, Netherlands, assignors to Chemische Fabriek L. van der Grinten. Apparatus for semiwet development of photoprints. 2,605,684, Aug. 5.

Nagin, Harry S., Philadelphia, assignor to Reliance Steel Products Co., McKeesport, Pa. Grating. 2,617,503, Nov. 11.

Nagin, Henry J., Brooklyn, N. Y. Safety automobile steering wheel. 2,596,784, May 13.

Nagle, Harold J., assignee: *See*—
Langdon, Samuel W.

Nagle, Reginald A., assignee: *See*—
Langdon, Samuel W.

Nagler, Raymond J., Seattle, Wash. Flap holder. 2,582,502, Jan. 15.

Nagy, Charles E., Newark, Ohio. Bracket for attaching index cards to telephones. 2,580,819, Jan. 1.

Nagy, Charles E., Newark, Ohio. Spring-held index card attachment for telephones. 2,620,407, Dec. 2.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Light stable phenolic syntans. 2,592,587, Apr. 15.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Tanning with sulfonate tanning agents and a formaldehyde-arylamine-cyanamide type compound. 2,621,102, Dec. 9.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of sulfonated phenolic resins. 2,621,164, Dec. 9.

Nagy, Rudolph, and R. W. Wollentin, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lead activated calcium tungstate phosphor. 2,617,773, Nov. 11.

Nahas, Kennedy M., Valley Cottage, N. Y. Producing ferric hydrate from aniline sludge. 2,608,468, Aug. 26.

Nahm, Eugene A., Baldwin, N. Y., assignor to Johnson Fare Box Company, Chicago, Ill. Zone ticket holder. 2,598,415, May 27.

Nahoom, Kereami J., St. Petersburg, Fla. Sun visor attachable receptacle. 2,617,573, Nov. 11.

Naillon, Jacob D., Oakland, Calif. Block lifter. 2,588,276, Mar. 4.

Nailmaster, Inc., assignee: *See*—
Brown, Harvey H., and Reed.
Brown, Harvey H., and Williams.

Nakae, Takuro: *See*—
Fletcher, Edward H., Hanson, and Nakae.

Naken, Morris I., Chicago, Ill. Receptacle for tableware and the like. 2,594,483, Apr. 29.

Naken, Morris I., Chicago, Ill. Silverware container. 2,609,921, Sept. 9.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Controllable cooling system for internal-combustion engines. 2,611,347, Sept. 23.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Diesel engine with precombustion chamber. 2,622,570, Dec. 23.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Device for the control of the temperature in combustion engines. 2,622,572, Dec. 23.

Naillon, Jacob D., Oakland, Calif. Adjustable rack for handling bricks and the like. 2,595,599, May 6.

Nally, David A., Downey, Calif. Windshield wiper balancer. 2,580,577, Jan. 1.

Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Freight loading. 2,613,615, Oct. 14.

Nampa, Sulo M., Detroit, assignor to Evans Products Company, Plymouth, Mich. Apparatus for loading freight or the like. 2,616,375, Nov. 4.

Nance, William T., Kilgore, Tex., assignor to Shell Development Company, San Francisco, Calif. Automatic tank switcher. 2,605,780, Aug. 5.

Napiecinski, Peter A., Milwaukee, Wis. Card shuffling aid. 2,583,871, Jan. 29.

Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W.
Barlow, Benjamin W., and Murray.
Barlow, Benjamin W., and Simonis.
Chamberlin, Reginald H. D.
Chamberlin, Reginald H. D., Wynne, and Skellern.
Chatterton, Ernest E.
Cowdrey, Cecil L., and Greenly.
Cowdrey, Cecil L., and Kinsella.
Giles, Thomas C.
Kinsella, John.
Wynne, Charles H. L.
Wynne, Charles H. L., and Chamberlin.

Napier, James W., deceased, Macon, Ga., assignor of one-tenth to W. J. Ruano, Pittsburgh, Pa.; M. H. Napier, executrix of estate of said J. W. Napier. Brooding method. 2,588,868, Mar. 11.

Napier, Margaret H., executrix: *See*—
Napier, James W.

Naples, Angelo F., trustee, assignee: *See*—
Nardulli, Michael J.
Napoli, John, Monterey, Calif. Power drive mechanism for apparatus for generating electrical energy. 2,596,276, May 13.
Napper, Albert, Woodlands, Southland, New Zealand. Method for use in the preservation of eggs. 2,595,808, May 6.
Naranick, Nicholas T., Chicago, Ill. Combination container package and heating device. 2,581,131, Jan. 1.
Naranick, Nicholas T., Chicago, Ill. Combination package. 2,584,040, Jan. 29.
Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic starting control. 2,580,820, Jan. 1.
Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Torque limiting means for engine starters and the like. 2,592,320, Apr. 8.
Nardone, Romeo M., Teaneck, assignor to Joseph J. Mascuch, Maplewood, N. J. Regulation of alignment of fluid supply with respect to gas turbine blades in accordance with turbine speed. 2,609,661, Sept. 9.
Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter. 2,619,815, Dec. 2.
Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Maplewood, N. J. Gas-driven engine starting motor using solid fuel cartridges. 2,620,627, Dec. 9.
Nardone, Romeo M., Teaneck, N. J. Average speed indicator. 2,620,975, Dec. 9.
Nardulli, Michael J., Elmwood Park, Ill., assignor to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, as trustees, under a trust known as "Western Engineering Trust." Venetian blind. 2,584,607, Feb. 5.
Nardulli, Peter F., trustee, assignee: *See*—
Nardulli, Michael J.
Narmco, Inc., assignee: *See*—
Godfrey, Melvin C.
Havens, Glenn G.
Narrin, Austin R., Lake Orion, assignor to G. I. Goodwin, Birmingham, Mich. Clutch driven plate. 2,584,906, Feb. 5.
Narrin, Austin R., Lake Orion, assignor to B. G. Quirk, Birmingham, Mich. Compressible clutch plate. 2,596,588, May 13.
Narron, James H.: *See*—
Floyd, Claude C., and Narron.
Narsted, John, Hampstead, Montreal, Quebec, Canada, assignor to Fuller Company. Clinker cooler. 2,598,931, June 3.
Nase, Benjamin M., Lederach, assignor to Superior Tube Company, Norristown, Pa. Tube-forming machine. 2,604,136, July 22.
Nase, Benjamin M., Lederach, assignor to Superior Tube Company, Norristown, Pa. Tube-forming machine. 2,604,137, July 22.
Nash, Daniel J., Jersey City, and R. L. Hatfield, East Orange, assignors to Nash Inc., Jersey City, N. J. Key pouch. 2,583,961, Jan. 29.
Nash, David D., executor, assignee: *See*—
Wilson, Frank C.
Nash Engineering Company, assignee: *See*—
Adams, Harold E.
Nash, Frank A.: *See*—
Gill, Robert L., and Nash.
Nash, Gerald J., Wichita Falls, Tex. Overload torque release mechanism. 2,597,514, May 20.
Nash, Harold E., St. Louis, Mo. Discerptible structure. 2,611,460, Sept. 23.
Nash, Henry R., Leigh, England. Vehicle drive axle roller and wheel assembly. 2,617,489, Nov. 11.
Nash Inc., assignee: *See*—
Nash, Daniel J., and Hatfield.
Nash, James E., West Point, Ga. Organ or other toy with equalized pressure supply. 2,598,416, May 27.
Nash, John, Brentford, England, assignor to The Sperry Corporation. Altitude controlling autopilot for aircraft. 2,597,892, May 27.
Nash, John D., Boston, Mass. Rectangular framework clamp. 2,619,136, Nov. 25.
Nash, John J., Normandy, assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo. Knockdown leg for tables. 2,605,158, July 29.
Nash-Kelvinator Corporation, assignee: *See*—
Bjorksten, Johan, and Yaeger.
Fruhmpel, Alvah V.
Giffard, Whitney.
Goulooze, Martin J.
Kishline, Floyd F., Phelps, and Voigt.
Philipp, Lawrence A.
Semple, John A.
Ulrich, Theodore.
Voigt, Johnston S.
Wahlberg, Nils E.
Wahlberg, Nils E., and Sladky.
Nash, Nat H., Bronx County, N. Y., assignor to Lanco Products Corporation. Adding emulsifying agents to prepared ice cream mixes. 2,587,369, Feb. 26.
Nash, Paul H., White Deer, Tex. Apparatus for liquefying paraffin in wells. 2,587,879, Mar. 4.
Nash, Paul H., White Deer, Tex. Impact attachment for wheel lug wrenches. 2,600,796, June 17.
Nash, Paul H., White Deer, Tex. Valve key placing tool. 2,602,357, July 8.
Nash, Ralph W. E., Nashua, N. H. Bag-filling device. 2,597,364, May 20.
Nash, Sidney: *See*—
Speaker, Mannie H., and Nash.
Nash, Thomas D., administrator: *See*—
Johanson, Elof.
Nash, Thomas L.: *See*—
Knopp, Wallace A., and Nash.
Nashua Corporation, assignee: *See*—
Perry, Lloyd M.
Prew, Robert H.
Nasmith, John L., assignor to Vickers-Armstrongs Limited, London, England. Automatic safety mechanism for mechanically operated cutting knives severing strip materials. 2,591,592, Apr. 1.
Nasmith, John L., and W. Kirby, assignors to Vickers-Armstrongs Limited, London, England. Wire stitching machine. 2,594,201, Apr. 22.
Nasmith, John L., and F. K. Daniels, assignors to Vickers-Armstrongs Limited, London, England. Mounting of impression plates on platens. 2,615,394, Oct. 28.
Nason, Harold A., Erie, Pa., assignor to General Electric Company. Insulation arrangement for combination refrigerators. 2,595,874, May 6.
Nason, Howard K.: *See*—
Nielsen, Morris L., and Nason.
Nassimbene, Ernest: *See*—
Anderson, Leon, and Nassimbene.
Murry, James A., and Nassimbene.
Nast, Paul H., West Springfield, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Valve for percussive tools. 2,591,853, Apr. 8.
Nast, Paul H., West Springfield, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Valve for rock drills. 2,604,073, July 22.
Nast, Paul H., West Springfield, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Fluid operated rotary motor and lubricating means therefor. 2,604,077, July 22.
therefor. 2,604,077, July 22.
Natcon Industries, Incorporated, assignee: *See*—
Stephan, Alfred W.
Natelson, Samuel: *See*—
Weiss, Max, and Natelson.
Nathan, Alan H.: *See*—
Hogg, John A., and Nathan.
Nathan, Albert F., Plainfield, N. J. Hydraulically operated jig saw. 2,613,701, Oct. 14.
Nathan, Emanuel, Maplewood, N. J. Spectacle case. 2,616,555, Nov. 4.
Nathan, Jerome: *See*—
Rosenthal, Daniel, Adler, and Nathan.
Nathan Manufacturing Company, assignee: *See*—
Folke, Bengt E.
Nathan, Matthew L., Godalming, assignor to Power Jets (Research & Development) Limited, London, England. Combustion apparatus with vaned fuel injector means. 2,618,928, Nov. 25.
Nathan, Tracy D., Cuyahoga Falls, Ohio, assignor to Hamilton Kent Manufacturing Company. Sealing ring. 2,615,740, Oct. 28.
Nathan, Tracy D., Cuyahoga Falls, Ohio, assignor to Hamilton Kent Manufacturing Company. Sealing ring. 2,615,741, Oct. 28.
Nathanson, John, assignee: *See*—
Fischler, Paul E.
Natho, Paul J., Lockport, La., assignor to Pan American Production Company, Houston, Tex. Well pressure gauge. 2,598,932, June 3.
National Acme Company, The, assignee: *See*—
Drissner, Alfred E.
Drissner, Alfred E., and Beacom.
Hogg, William J., and Powell.
Jeffrey, Max L.
National Aluminate Corporation, assignee: *See*—
Bird, Paul G., and Jacoby.
Bird, Paul G., Jacoby, and Kell.
Braithwaite, David G.
Braithwaite, David G., and D'Amico.
Jacoby, Arthur L.
Johnson, Carl E.
Lane, Russell, W., and Thompson.
National Automotive Fibres, Inc., assignee: *See*—
Harrison, John G., Jr.
Lind, Alvin C., and Zuhn.
Millar, John R., Stack, and Davies.
Olsen, Burton A.
Rogers, Paul M.
National Bank of Detroit, executor: *See*—
Marienthal, Paul.
National Bank and Trust Company of South Bend, The, coadministrator: *See*—
Spencer, Harlan L.
National Battery Company, assignee: *See*—
Dickover, Marion W.
Maybach, Gerald E.

National Biscuit Company, assignee: *See*—
Moore, George A.
National Brake Company, Inc., assignee: *See*—
Mersereau, Everard C.
National Brass Company, assignee: *See*—
Quigley, Herbert.
Ter Meer, Herman, and Peterson.
Young, Herbert.
National Broach & Machine Company, assignee: *See*—
Austin, Donald D., Sr.
Davis, Kenneth J.
Mentley, Max B.
Praeg, Walter S.
Schulte, William A.
National Casein Company, assignee: *See*—
Bergey, Elmer E.
National Cash Register Company, The, assignee: *See*—
Adams, Clyde S.
Allyn, Charles S., Jr.
Brown, George T., Jr.
Brown, William C.
Christian, Raymond A., Ganger, and Lang.
Desch, Joseph R., and Mumma.
Dudis, Charles G.
Eickman, Willis E.
Goldberg, Maximilian M.
Goodbar, Mayo A., Green, and Randall.
Goodbar, Mayo A., Placke, and Falkner.
Green, Barrett K.
Gulden, Ernest V., and Klopf.
Kern, Jack I.
Klopf, James A.
Lambert, Harry L.
Lauer, Howard V.
MacPhee, Paul A.
Mersereau, Everard C.
Mumma, Robert E.
Oblinger, William F.
Rench, Carl F.
Suxby, Frank R.
Slonneger, Bruce K.
Spurlino, Pascal and Frost.
Thacker, Ned A., and Threlkeld.
Townsend, Percival J.
Wallace, James.
Werner, Frank R.
National Clay Pipe Research Corporation, The, assignee: *See*—
Everhart, John O.
National Cylinder Gas Company, assignee: *See*—
Bernard, Arthur A.
Bottoms, Robert R.
Bowden, James H.
Chouinard, Alfred F.
Chouinard, Alfred F., and Dove.
Chouinard, Alfred F., and Tylutki.
Dove, John F.
Elchelman, Frank J.
La Pota, John B.
National Dispenser Corp., The, assignee: *See*—
Jarrett, Jerry, and Berggren.
National Distillers Products Corp., assignee: *See*—
Ely, Charles M.
Rosten, Maurice M.
National Distillers Products Corporation, assignee: *See*—
Earhart, Kenneth A., and Davis.
Forman, Sylvan E.
Hodge, Howard M.
McAlister, Lawrence C., Jr.
National Drug Company, The, assignee: *See*—
Avakian, Souren, and Martin.
Martin, Gustav J., and Wilkinson.
National Electric Instrument Co., Inc., assignee: *See*—
Rubens, Harry S., and Suwa.
National Electric Instrument Company, Inc., assignee: *See*—
Rubens, Harry S.
Rubens, Harry S., and Suwa.
National Electric Products Corporation, assignee: *See*—
Kennedy, Frank J.
National Equipment Corporation, assignee: *See*—
Guggenheim, Max M.
Guggenheim, Max M., and Greenberg.
Perkins, George S.
National Foam System, Inc., assignee: *See*—
Boerner, Lewis W.
Perri, Joseph M.
National Folding Box Company, Inc., assignee: *See*—
Williamson, Marshall I.
National Formetal Company, assignee: *See*—
Gerson, Benjamin S.
National Gypsum Company, assignee: *See*—
Jeffrey, Douglas C.
Marsh, Frank L., Koehler, and Chrisler.
O'Farrell, Elgin G.
National Heating Products Sales Limited, assignee: *See*—
Wolosianski, Aleksander.
National Inventions Corporation, assignee: *See*—
Bridges, John H.
National Iron Company, assignee: *See*—
Erickson, Lewis C.
National Lead Company, assignee: *See*—
Aagaard, Leif, and Bronson.
Aagaard, Leif, and Cole.
Aagaard, Leif, and Rowe.
Aagaard, Leif, and Schultz.
Holley, Don S., and McCormack.
Cummer, George W., and Larsen.
Efimoff, Viatcheslav V.
Espenschied, Helmut.
Hack, Carl H., and Ciborski.
Harrison, George.
Hendricks, John G., and Ratti.
Hoeppel, Raymond W.
Huebotter, Earl E.
Kebrich, Leonard M.
Kopelman, Bernard, and Wainer.
Larsen, Delmar H.
Ratcliffe, George L.
Souther, Robert E., Jr.
Thomas, Everett A.
Urban, Stephen F., and Comstock.
National Lock Company, assignee: *See*—
Stone, Roy A., and Whittom.
National Machinery Company, The, assignee: *See*—
Friedman, John H.
Friedman, Robert G.
Sanford, Robert E.
National Malleable and Steel Castings Company, assignee: *See*—
Metzger, William J.
National Marking Machine Company, The, assignee: *See*—
Griesinger, John.
Keuper, William J.
National Motor Bearing Co., Inc., assignee: *See*—
Helfrecht, Fred A.
National Newark and Essex Banking Company of Newark, The, executor: *See*—
Bryce, James W.
Bryce, James W., and Dickinson.
National Novelty Company, assignee: *See*—
Schleenbaker, Jack P.
National Organ Supply Company, assignee: *See*—
Roehrl, Bruno C.
National Packaging Machinery Repair Co., assignee: *See*—
Philipps, Alfred T.
National Plastic Products Company, The, assignee: *See*—
Genovese, Anthony L.
Samler, Lee F.
National Pneumatic Co., Inc., assignee: *See*—
Bassett, Cyrus W.
Durbin, Vernon.
Durbin, Vernon, and Johnson.
Griffin, James J.
Ledig, Charles W.
Vacha, Fred P.
Vander Veer, John H.
Vander Veer, John H., and Bassett.
Weigele, Albert E.
Wood, Oliver W.
National Pressure Cooker Company, assignee: *See*—
Maykemper, Henry.
National Products Company, assignee: *See*—
Larson, Erling C.
National Publishing Company, assignee: *See*—
Squires, Richard.
National Rejectors, Inc., assignee: *See*—
Adams, Clifford B., and Wallin.
Foushee, Robert M., and Gottfried.
National Research Corporation, assignee: *See*—
Brown, Gordon P.
Godley, Philip, 2nd.
Lawrance, Richard B., and Middleton.
Mellen, Glenn L.
Mellen, Glenn L., and Hall.
National Research Council, assignee: *See*—
Bell, Robert E.
Guptill, Ernest W., and Watson.
MacIlutchin, John G., and Watson.
National Research Development Corporation, assignee: *See*—
Mackay, Margaret E., and Kekwick.
National Rubber Machinery Company, assignee: *See*—
Buecken, Hans E.
Frank, Paul A.
Heston, Eugene E.
Van Ranst, Cornelius W.
National Slug Rejectors, Inc., assignee: *See*—
Wallin, Fred E.
National Smelting Company Limited, The, assignee: *See*—
Robson, Stanley.
Woods, Stephen E.
National Smoke Control Corporation, assignee: *See*—
Stevenson, Thomas K.
National Smokehouse Equipment, Inc., assignee: *See*—
McMullen, Claud S.
National Southern Products Corporation, assignee: *See*—
Bruins, Paul F., and Kurtz.
National-Standard Company, assignee: *See*—
Elder, Richard W.
Rinehart, Lloyd R.

National Starch Products Inc., assignee: *See*—
Caldwell, Carlyle G.
Halden, Alfred A.
McGaffin, Ralph C., and Battaglia.
White, Thomas A.
National Steel Corporation, assignee: *See*—
Black, Nolan S.
Bowman, Ray O.
Echols, Joseph.
Hurd, Thaddeus B.
Kompart, Walter W.
Macdonald, Alexander J.
Morrison, Floyd L.
Raymond, Antonin.
Rieger, Ernest W.
Shanley, James J.
Shannon, Harold S.
Shannon, Harold S., and Hurd.
Sweeney, Fred C.
Wilson, Abram B.
Winters, Nick.
National Supply Company, The, assignee: *See*—
Long, Spencer W.
Nellon, Claude R.
Picard, John B.
Shoup, Stanley S.
Young, Forrest J.
National Tank Company, assignee: *See*—
Glasgow, Clarence O.
Maher, Joseph L., and Meyers.
Walker, Jay P., and Glasgow.
National Thrift Plans, Inc., assignee: *See*—
McSweeney, William J.
National Titanium Pigments Limited, assignee: *See*—
Richmond, James T., and Wigginton.
National Tool and Die Company, Inc., assignee: *See*—
Day, Luther V.
National Tool Salvage Company, assignee: *See*—
Doepker, Ervin C.
National Tube Company, assignee: *See*—
Kritscher, Andrew F.
National Twist Drill & Tool Company, assignee: *See*—
Fleischer, John.
National Union Radio Corporation, assignee: *See*—
Charton, Paul W.
Levy, Gustave.
Loveridge, Lawrence E.
Skellett, Albert M.
Skellett, Albert M., and Loveridge.
National Vendors, Inc., assignee: *See*—
Fry, Benjamin W.
National Water Main Cleaning Co., assignee: *See*—
Frank, William A.
National Welding Equipment Co., assignee: *See*—
Hammon, George L.
National Wire Hanger Manufacturing Co., Inc., assignee: *See*—
Burns, Joseph K.
National Zinc Company, Inc., assignee: *See*—
Hart, James L.
Morrison, Clyde W.
Natkins, Efrem N., New York, N. Y. Combined flexible coupling and overload clutch. 2,600,674, June 17.
Natland, Manley L., Rolling Hills, and R. E. Pearson, Compton, assignors to Richfield Oil Corporation, Los Angeles, Calif. Punch core orienter for wells. 2,600,125, June 10.
Natural Products Refining Co., assignee: *See*—
Portanova, Mario J., and Rosinger.
Nau, Wilmer H., Gates Mills, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,599,194, June 3.
Naud, E. O., Co. Ltd., assignee: *See*—
Naud, Ernest O.
Naud, Ernest O., assignor to E. O. Naud Co. Ltd., Vancouver, British Columbia, Canada. Skyline carriage. 2,622,744, Dec. 23.
Naud, George G., Seattle, Wash. Fluid pressure servomotor. 2,604,075, July 22.
Naughton, Bartley J., Jr., Birmingham, assignor of one-half to S. F. Olesak, Detroit, Mich. Upholstering. 2,612,941, Oct. 7.
Naughton, Carl A., Sandston, Va. Wiring system of conductors permanently embedded in insulation. 2,611,800, Sept. 23.
Naugle, John J., New York, N. Y. Refining wax. 2,617,815, Nov. 11.
Naugler, Walter E., and E. W. Stacey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Limit stop mechanism for gun turrets. 2,586,982, Feb. 26.
Naulty, Howard W., East Aurora, and M. N. Brown, Kenmore, assignors, by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Soldering gun. 2,604,571, July 22.
Naurison, Leonard S., New York, N. Y. Display device. 2,595,972, May 6.
Nauth, Edgar K., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Radio tube socket mounting. 2,586,696, Feb. 19.
Nau-Touron, Albert, Le Vesinet, assignor to Societe a Responsabilite Limitee Fonderie de Precision Nanterre, France. Pressure roller for drawing devices. 2,601,550, June 24.
Navarre, Albert, Paris, France. Apparatus for registering printing rollers, especially for color printing. 2,602,237, July 8.
Navarre, Louis L., Shreveport, La. Posthole digger. 2,598,288, May 27.
Navarro, Eugene M., New York, N. Y. Milk bottle holder. 2,609,987, Sept. 9.
Navarro, Miguel, and E. J. and A. E. Llovet, Montevideo, Uruguay. Suspension system for vehicles. 2,601,551, June 24.
Navarro, Stanley E., Cambridge, Mass. Furnace and heat retaining unit therefor. 2,601,167, June 17.
Naves, Yves-René, Geneva, Switzerland, assignor to The Givaudan Corporation. Preparation of 3-methyl-citrals. 2,589,275, Mar. 18.
Navikas, Victor A., assignor to Armstrong Cork Company, Lancaster, Pa. Laminating articles. 2,601,318, June 24.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Alvarez, Luis W.
Anderson, Wilmer C.
Arenberg, David L.
Aron, Walter A.
Avery, William H.
Bailar, John C., Jr., and Parry.
Bartelink, Everhard H. B., Torode, and Walker.
Beatty, Charles G.
Bertram, Sidney.
Boss, Leon.
Bostick, Winston H.
Bowen, Dwain B.
Brattain, Walter H., Klein, and Richardson.
Broadbent, John H., and Mitchell.
Brown, Charles R.
Busacker, John W.
Carlston, Earl F., and Whiting.
Chu, Lan J.
Clapp, Roger E.
Cohen, Martin J.
Cook, Jackson H.
Cork, Bruce B.
Corson, Dale R., and Pree.
Daly, Thomas A., and Gill.
Daly, Thomas A., and Snuer.
Dean, Walter N.
Disney, Virgil H.
Elmer, William B.
Evers, Dundred D.
Ewing, Walkley B.
Ewing, William M.
Fano, Roberto M.
Fenske, Merrell R.
Forbes, Gordon D.
Foster, John S.
Frantik, Rudolph O.
Fredrick, Arden H.
Fugassi, James P.
Gantt, John F.
Gogolick, Roland M., and Brown.
Gould, Albert S.
Grass, Albert M.
Griggs, David T.
Hales, Everett B.
Hall, William M.
Handel, Neil E.
Hare, Donald G. C.
Hathaway, Jarrett L.
Havens, Byron L.
Haworth, Leland J.
Hetland, Julius M.
Hisserich, Charles A., and Brettell.
Hollmann, Hans E.
Horton, Joseph W., Haynes, Gillett, and Stephenson.
Hughes, Arthur V., and Rademacher.
Hundstad, Richard L.
Hunt, Frederick V.
Hurt, Percy F.
Ingalls, Clyde E.
Jacob, Carlyle W.
Jacobsen, Andrew B.
Jaffe, David L.
Janvrin, Walter A., Jr.
Joerndt, Wilbur A.
Johnstone, Charles W., and Dean.
Kamm, George N.
Karig, Horace E.
Keary, Thomas J.
Kenyon, Theodore W.
Keto, August I.
Klebba, Arthur A., Vine, and Ewing.
Kleiderer, Charles W.
Klein, Norman E., and Brattain.
Klotz, Irving M., and Morrison.
Koehler, James F.
Kunz, Georges.
Kurie, Franz N. D.
Lauritsen, Charles C.
Lee, Paul H.
Lentz, John J.
Dodge, Barnett F.
Longacre, Andrew.
MacRae, Duncan, Jr.
Mann, Alfred K., Mott-Smith, and Quarles.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—Continued.
Marcy, Henry O., 3d.
Mason, Samuel J.
McLean, William B.
Menzel, Donald H.
Metzler, Silas J., and Thayer.
Miller, Edward E.
Miller, Theadore.
Millman, Jacob.
Millman, Jacob, and Allen.
Minkler, Chester T.
Morgan, Jack R., Alexander, and Comley.
Muller, Victor C.
Musselman, Glenn H.
Neher, Henry V.
Neher, Leland K.
Nettleton, Leroy A., and Sommers.
Ney, Edward P., Hereford, Whitehead, and Kuhlthau.
Nyyssonen, Einard, and Hughes.
Oliver, Norman J.
Pawley, Myron G.
Perkins, George D.
Phelan, John K.
Pierce, John A.
Pitman, Richard W.
Plummer, Kinsey L., and Wilkes.
Podbielniak, Theodeus.
Pound, Robert V.
Prescott, Herbert L.
Preston, William M.
Purcell, Edward M., and C. G. and D. D. Montgomery.
Rabinow, Jacob.
Ragan, George L.
Reich, Herbert J.
Reed, William O., and Haworth.
Riblet, Henry J.
Rich, Stanley R.
Rockwell, Gaynor O.
Ruge, Arthur C.
Salisbury, Winfield W.
Schmitt, Otto H.
Schultz, Howard L., and Cooper.
Scott, Benjamin B.
Selove, Walter.
Shames, Albert A.
Shaw, Charles H.
Sherwin, Chalmers W.
Smith, Allen E.
Smullin, Louis D.
Sohn, William H., and Lindemann.
Soller, John T., and Starr.
Sreb, Jules H.
Stanton, Russell S.
Street, Jabez C.
Thralls, Marvin A.
Tilton, Peter D.
Vacquier, Victor V., and Adkins.
Valley, George E., Jr.
Van Atta, Lester C.
Van Voorhis, Stanley N.
Van Voorhis, Stanley N., Kirby-Smith, and Kuper.
Walker, Earl C., Elliott, and Bascom.
Ward, Newton E., Mayer, and Mersman.
Washburn, Clayton A.
White, Harry J.
White, Milton G.
Wilkins, Robert W.
Wilson, Volney C.
Witzky, Julius E.
Wolfe, Richard C., and Boyle.
Woodbury, Roger B.
Woodward, William R.
Young, Carl T.
Nawman, Elsie R., administratrix: *See*—
Nawman, Guy A.
Nawman, Guy A., deceased, Aberdeen, Wash.: E. R. Nawman, administratrix, assignor of one-half to J. F. Haas, Montesano, Wash. Throttle control. 2,602,337, July 8.
Nawman, Rollie B., assignor to Benner-Nawman, Inc., Oakland, Calif. Apparatus for handling and dumping stacked articles. 2,598,713, June 3.
Nawrocki, Casimir Z.: *See*—
Borland, Eileen E., Hobart, Nawrocki, and Neher.
Nawry, Harriet L. B.: *See*—
Cassidy, Millard M., and Nawry.
Naylor, Joseph F.: *See*—
Crosland, Edward M., and Naylor.
Naylor, Joseph F., assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Dough molding and the like machine. 2,596,277, May 13.
Naylor, Joseph F., Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Dough molding device. 2,608,939, Sept. 2.
Naylor, Joseph F., Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlstown, England. Sealing gland for rotary shafts. 2,623,764, Dec. 30.
Naylor, Joseph F., and D. Greener, assignors to T. & T. Vicars Limited, Newton-le-Willows, England. Wafer oven. 2,596,278, May 13.
Naylor, Marcus A., Jr., Bloomfield, N. J., assignor to E. I. du Pont, de Nemours and Company, Wilmington, Del. Preparation of aromatic carboxylic acid amides. 2,610,980, Sept. 16.
Naysmith, Shirley R.: *See*—
Runge, Richard M., and Naysmith.
Nazzaro, Armand L., Montclair, N. J. Decatizing cylinder. 2,596,910, May 13.
Nazzewski, Mathew: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Ross, Sidney D., Markarian, and Nazzewski.
Neal, Adrian D., H. D. Peet, and G. J. Dell, Louisville, Ky., assignors to Curtiss-Wright Corporation. Micrometric thickness gauge with contact pressure indicator. 2,595,477, May 6.
Neal, Albert V., High Point, N. C. Rip gauge assembly for rip saw. 2,587,199, Feb. 26.
Neal, Claude E., Durham, and E. H. McCain, Raleigh, N. C. Fountain comb. 2,607,355, Aug. 19.
Neal, Donald J., Akron, Ohio. Commutator turning down machine and mica undercutter. 2,619,708, Dec. 2.
Neal, Harry A., La Grange, Ill. Manhole lid locking means. 2,613,975, Oct. 14.
Neal, James, Sr., Detroit, Mich. Holdup signaling device. 2,597,556, May 20.
Neal, Robert A., Media, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuel system. 2,617,361, Nov. 11.
Neale, Dory J., Topeka, Kans. Lashing machine for aerial cables. 2,592,943, Apr. 15.
Neale, Fred: *See*—
Marston, Walter W., and Neale.
Neale, John S., assignor to Pennine Aircraft Limited, Manchester, England. Pitch controlling means for rotor blades of helicopters. 2,593,335, Apr. 15.
Neale, John S., Hendon, London, assignor to Pennine Aircraft Limited, Manchester, England. Multiple rotor helicopter control. 2,595,875, May 6.
Neale, John S., Hendon, London, assignor to Pennine Aircraft Limited, Manchester, England. Helicopter rotor control system. 2,606,621, Aug. 12.
Neale, Oliver A., Beaver Falls, Pa., assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for high-speed cutting of cylindrical metal members. 2,619,174, Nov. 25.
Nealis, Mary, Detroit, Mich. Valance, curtain and drapery fixture, and accessory. 2,595,478, May 6.
Nealy, William G., assignor to Terrell Manufacturing Company, Inc., Terrell, Tex. Poultry dressing tool. 2,590,785, Mar. 25.
Neapco Products Inc., assignee: *See*—
Page, Oswald V.
Nebel, Kurt W., Chicago, Ill. Metal piercing and cutting shears. 2,581,694, Jan. 8.
Nebesar, George C., and R. N. Cummer, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Means for accurately checking contours. 2,623,293, Dec. 30.
Nebesar, Robert J., Bristol, Tenn., assignor to Universal Moulded Products Corporation, Bristol, Va. Making resin impregnated and coated fabric sheets. 2,607,708, Aug. 19.
Nebesar, Robert J., assignor to Universal Moulded Products Corporation, Bristol, Va. Molded boat hull. 2,617,126, Nov. 11.
Necchi, Richard A., Hingham, Mass. Wheel rotator. 2,594,202, Apr. 22.
Necchi Sewing Machine Sales Corp., assignee: *See*—
Preuss, Frederick W.
Neck, Carl G.: *See*—
Granborg, Svante C., and Neck.
Nedergaard, Hans C. G. R., Holbaek, Denmark. Safety valve with spring loaded diaphragm. 2,585,575, Feb. 12.
Nederlandse Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, assignee: *See*—
Tollenaar, Frederik D.
van der Kerk, Gerrit J. M.
Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, ten behoeve van Nijverheid, Handel en Verkeer, assignee: *See*—
Sigtermans, Arie A. J.
Taat, Willem J., and Korndorffer.
Nederostek, Edward J., Cementon, Pa. Foldable gambrel. 2,592,059, Apr. 8.
Needham, Leonard W.: *See*—
Lawrie, Albert E., and Needham.
Needham, Simon P., Kansas City, Kans. Combination flashlight and continuity fuse tester. 2,588,559, Mar. 11.
Needle, Haskell C.: *See*—
Aries, Robert S., and Needle.
Needy, George P., Inkster, Mich. Adjustable accordion air cushion spring. 2,611,607, Sept. 23.
Neef, Henry J., Pardeeville, Wis. Fishing buoy. 2,600,797, June 17.
Neel, Louis, Grenoble, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Manufacture of agglomerable iron powder. 2,592,321, Apr. 8.
Neely, George L., Berkeley, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Discharger for pressurized metal bulbs. 2,601,211, June 17.

Neely, James S., Hamilton, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Cosmetic cream. 2,617,754, Nov. 11.

Neely, Wayne A.: *See*—
Kegan, Albert L., and Neely.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Tubular rail member. 2,582,059, Jan. 8.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Padding and cover members for upholstered spring structures. 2,586,698, Feb. 19.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Wire spring structure. 2,591,185, Apr. 1.

Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Rail member for mounting sinuously corrugated wire springs. 2,592,944, Apr. 15.

Neenan, John L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combination disk and impact grinding mill. 2,580,579, Jan. 1.

Neer, Irwin G., Chicago, Ill. Dental articulator. 2,611,961, Sept. 30.

Neergaard, Anders N., and A. C. Steenberg, Copenhagen, Denmark. Conditioning machine. 2,588,277, Mar. 4.

Nees, Alpheus R.: *See*—
Brown, Robert J., Nees, and Bennett.

Neese, Alonzo A., assignor to Beloit Iron Works, Beloit, Wis. Synchronous drive. 2,598,820, June 3.

Neeteson, Pieter A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube. 2,617,059, Nov. 4.

Neff, Cole D., Buenos Aires, Argentina. Cycloidal grinding and mixing device. 2,606,721, Aug. 12.

Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic bore gauge. 2,581,495, Jan. 8.

Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic comparator. 2,583,791, Jan. 29.

Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic concentricity and groove parallel gauge. 2,601,447, June 24.

Neff, Loren L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,594,795, Apr. 29.

Neff, Loren L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,619,459, Nov. 25.

Neff, Loren L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,619,460, Nov. 25.

Neff, Margaret D., Pittsburgh, Pa. Hair-restraining appliance. 2,609,823, Sept. 9.

Neff, Margaret D., Pittsburgh, Pa. Hair-restraining appliance. 2,609,824, Sept. 9.

Negley, Frank R., Fresno, Calif. Globe changer. 2,616,743, Nov. 4.

Negri, Frank G., assignor to Noel Precision Corporation, Jamaica, N. Y. Roller skate wheel. 2,622,930, Dec. 23.

Neher, Clarence M.: *See*—
Governale, Luke J., Huguet, and Neher.
Miller, Leo A., Dunn, and Neher.
Miller, Leo A., Dunn, Neher, and Hall.

Neher, Harry T.: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Bauer, La Verne N., Van Horne, and Neher.
Specht, Edward H., Neuman, and Neher.
Van Horne, William L., Bauer, and Neher.
Van Horne, William L., Neher, and Bauer.

Neher, Harry T., Bristol, E. H. Specht, Philadelphia, and A. Neuman, North Hills, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of acrylic esters. 2,582,911, Jan. 15.

Neher, Harry T., Bristol, L. N. Bauer, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Oil-soluble allyl copolymers. 2,600,419, June 17.

Neher, Harry T., Briston, W. L. Van Horne, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Oil-soluble allyl-vinyl ester copolymers. 2,600,420, June 17.

Neher, Harry T., Bristol, W. L. Van Horne, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of acrylates and allyl esters. 2,600,421, June 17.

Neher, Harry T., Bristol, L. N. Bauer, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Maleate-methacrylate copolymers. 2,600,422, June 17.

Neher, Harry T., Bristol, W. L. Van Horne, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Acrylate-maleate copolymers. 2,623,036, Dec. 23.

Neher, Henry V.: *See*—
Borland, Eileen E., Hobart, Nawrocki, and Neher.

Neher, Henry V., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Vacuum tube oscillator. 2,603,763, July 15.

Neher, Henry V., Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Microwave amplifier. 2,582,846, Jan. 15.

Neher, Henry V., assignor to California Institute Research Foundation, Pasadena, Calif. Automatic ionization chamber. 2,617,044, Nov. 4.

Neher, Leland K., Newton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Superregenerative microwave receiver. 2,599,933, June 10.

Neher, Leland K., San Francisco, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Low pass filter. 2,605,358, July 29.

Nehler, Oscar E., Lincoln, Nebr. Ladder hinge. 2,608,337, Aug. 26.

Neiborn, Joseph, Los Angeles, Calif. Lawn or beach collapsible back comfort device. 2,615,501, Oct. 28.

Neider, Mark, New York, N. Y. Glove or mitten construction. 2,611,901, Sept. 30.

Neldich, George G., assignor to The Todd Company, Inc., Rochester, N. Y. Ink transfer ribbon. 2,590,200. Mar. 25.

Neidig, Dan, assignor to J. H. Martin, Chicago, Ill. Dispensing machine. 2,623,804, Dec. 30.

Neidigh, Ray S., assignor to Elgin National Watch Company, Elgin, Ill. Induction heat treating. 2,583,227, Jan. 22.

Neidnig, Richard J., Poughkeepsie, N. Y. Heating pad in a sleeve form. 2,617,916, Nov. 11.

Neier, Reinhard, and W. Wehrli, assignors to Sandoz Limited, Basel, Switzerland. Azo dyestuffs. 2,589,955, Mar. 18.

Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Auxiliary device for unloading grain bins. 2,601,049, June 17.

Neighbour, Leonard B., Moline, Ill., and O. P. Lance, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Frame and supporting structure for grain elevating machines and the like. 2,604,203, July 22.

Neikirk, Marvin, Forest City, Ill. Disk carrier attachment. 2,587,510, Feb. 26.

Neil, Hugh G., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Ionization gauge regulation. 2,604,514, July 22.

Neil, Robert H., Tampa, Fla. Headrest for creepers. 2,614,271, Oct. 21.

Neil, William P., Pasadena, Calif. Lifting apparatus. 2,589,954, Mar. 18.

Neild, William G., Fairlawn, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,594,977, Apr. 29.

Neill, James, & Company (Sheffield) Limited, assignee: *See*—
Bower, William L.

Nellon, Claude R., Houston, Tex., assignor to The National Supply Company, Pittsburgh, Pa. Tubing hanger packing. 2,600,257, June 10.

Nellon, Claude R., Houston, Tex., assignor to The National Supply Company, Pittsburgh, Pa. Ram packing element for blowout preventers. 2,604,903, July 29.

Nellsen, Hildaur L., Metuchen, N. J., assignor to Speed Products Company, Inc., New York, N. Y. Telephone index. 2,593,475, Apr. 22.

Nellsen, Hildaur L., Metuchen, N. J., and A. Neustadter, New York, N. Y. Address listing device. 2,598,819, June 3.

Nellsen, Hildaur L., and M. J. Fela, Metuchen, N. J. Coin box. 2,604,975, July 29.

Nellson, Mary D., Minneapolis, Minn. Bifurcated nether garment. 2,617,112, Nov. 11.

Nelman, William T., Freeport, Ill. Fly holder. 2,610,430, Sept. 16.

Nelman, William T., Freeport, Ill. T square. 2,622,330, Dec. 23.

Nelsh, Richard A., Pittsburgh, Pa., assignor to United States Steel Company. Treating tin plate. 2,606,866, Aug. 12.

Neltzke, Raymond A., Esterville, Iowa. Truck box cover. 2,591,186, Apr. 1.

Neja, Ambrose, and L. Weber, Anaheim, Calif. Fishline sinker. 2,601,737, July 1.

Nejedly, Peter M., and A. B. Johansson, Brooklyn, N. Y., assignors to American Machine and Foundry Company. Bowling pin spotting mechanism. 2,586,697, Feb. 19.

Nekoln, William J.: *See*—
Wehmiller, Paul K., and Nekola.

Nelb, Robert G., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Fireproof laminated resins. 2,602,037, July 1.

Nell, Edith L., Bridgeport, Ill. Scalp protector. 2,618,274, Nov. 18.

Neller, John, Brooklyn, N. Y. Color filter attachment for cameras. 2,604,819, July 29.

Nellis, Adin A., Jr., Norwood, Pa., assignor to American Viscose Corporation, Wilmington, Del. Knot. 2,591,854, Apr. 8.

Nellvén, Karl J. A., and K. E. Hjelm, Stockholm, assignors, by mesne assignments, to Aktiebolaget Enkopings Verkstader, Enkoping, Sweden. Motor-driven ventilating unit mounting. 2,619,893, Dec. 2.

Nelly, Henry M., Jr., Houston, Tex., assignor to J. F. Pritchard & Co., Kansas City, Mo. Recovering desirable liquefiable hydrocarbons. 2,582,148, Jan. 8.

Nelly, Henry M., Jr., and T. E. Sullivan, Houston, Tex., assignors to J. F. Pritchard & Co., Kansas City, Mo. Enriching natural gas. 2,596,785, May 13.

Nelmor Corporation, assignee: *See*—
Morgenstern, David M.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Coin credit mechanisms and circuits. 2,586,173, Feb. 19.

Nelsen, Robert J., Seattle, Wash. Radiographic apparatus. 2,581,431, Jan. 8.

Nelson, Adolph: *See*—
Watt, E. J., and Nelson.

Nelson, Alden W.: *See*—
Entwistle, James L., and Nelson.

Nelson, Arthur L., Rockford, Ill. Artificial fish bait. 2,593,476, Apr. 22.

Nelson, Arthur W., and T. H. Alfreds, Park Ridge, Ill., assignors to Mapes Consolidated Manufacturing Company, Griffith, Ind. Egg packing material. 2,588,150, Mar. 4.

Nelson, Bertel S.: *See*—
Mackmann, Arthur, and Nelson.

Nelson, Bertel S., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Radially movable piston type clutch. 2,595,479, May 6.

Nelson, Bertel S., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Motor control circuits. 2,600,568, June 17.

Nelson, Brooks E., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush element and manufacture. 2,609,242, Sept. 2.

Nelson, Carroll H., Cedar Rapids, Iowa. Hog waterer. 2,590,266, Mar. 25.

Nelson, Channing C.: *See*—
Casler, John R., and Nelson.

Nelson, Clare R., and R. E. Madison, Detroit, assignors to Truscon Laboratories, Inc., Hamtramck, Mich. Portland cement base paints. 2,600,018, June 10.

Nelson, Clarence R., Nyack, assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y. Feeding device for sewing machines. 2,586,764, Feb. 19.

Nelson, Clarence R., Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Capillary oil device for machines. 2,601,210, June 17.

Nelson, Donald O.: *See*—
Stamper, Hamilton A., Blackman, and Nelson.
Stamper, Hamilton A., Nelson, and Wippert.

Nelson, Edwin M., Hayward, Wis. Trailer caster. 2,582,716, Jan. 15.

Nelson, Emil A., St. Clair Shores, Mich. Machine for rolling tapered disks. 2,588,651, Mar. 11.

Nelson, Ernest, Deepdale, Preston, H, and T. B. Nelson, Holme Slack, Preston, and F. Nelson, Preston, England. Vegetable slicer with agitator in feed hopper. 2,621,694, Dec. 16.

Nelson, Evan H., Middlesex, England, assignor to General Electric Company. Quartz to metal seal. 2,607,981, Aug. 26.

Nelson, Evan H., Harrow Weald, and E. B. Power, Kenton, England, assignors to General Electric Company. Conducting seal for high-pressure lamps. 2,583,388, Jan. 22.

Nelson, Frank: *See*—
Nelson, Ernest, H., T. B., and F.

Nelson, Frederick, Lakewood, Ohio. Distributor. 2,584,907, Feb. 5.

Nelson, Frederick E., Greentree, Pa. Collapsible awning. 2,612,219, Sept. 30.

Nelson, George W., Cleveland, Ohio, assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Thread handling mechanism for sewing machines. 2,609,773, Sept. 9.

Nelson, Harold: *See*—
Nelson, Ernest, H., T. B., and F.

Nelson, Harold W., Deerfield, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Pitch-like compositions. 2,603,592, July 15.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind head bar organization. 2,587,752, Mar. 4.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind mechanism. 2,589,846, Mar. 18.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind headbar construction. 2,593,048, Apr. 15.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Sheet metal punching apparatus. 2,596,911, May 13.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Method and machine for assembling Venetian blind headbars. 2,603,856, July 22.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind head bar organization. 2,614,623, Oct. 21.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind hold-down bracket. 2,614,784, Oct. 21.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind construction. 2,618,329, Nov. 18.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind head bar organization. 2,622,673, Dec. 23.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g., Corp., New York, N. Y. Venetian blind bar organization. 2,623,581, Dec. 30.

Nelson, Henry C., Jr.: *See*—
Doyle, Charles D., and Nelson.

Nelson, Henry C., Jr.: *See*—
Griffith, Roland K., and Nelson.

Nelson, Henry E., Everett, Wash. Oil burner. 2,580,578, Jan. 1.

Nelson, Herbert, Bloomfield, N. J., assignor to Radio Corporation of America. Vacuum valve. 2,615,670, Oct. 28.

Nelson, Howard, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Dispensing package for interfolded sheet material. 2,611,482, Sept. 23.

Nelson, J. N., Co., Inc., assignee: *See*—
Nelson, John N.

Nelson, James A.: *See*—
Buhman, Conrad J., and Nelson.

Nelson, James A., and F. J. Port, assignors to Cribben and Sexton Company, Chicago, Ill. Ventilated range. 2,595,480, May 6.

Nelson, James C., San Gabriel, assignor to Business Systems, Incorporated, Los Angeles, Calif. Accounting apparatus. 2,623,762, Dec. 30.

Nelson, James F., Jacksonville, Fla. Embalmer's headrest. 2,613,041, Nov. 18.

Nelson, John A., Oakmont, and C. W. Schuck, New Kensington, Pa., assignors to Continental Copper & Steel Industries, Inc., New York, N. Y. Machinable high cobalt low carbon alloys for die-casting molds. 2,598,714, June 3.

Nelson, John A., St. Petersburg, Fla., assignor to Olin Industries, Inc., East Alton, Ill. Mold clamping device. 2,587,061, Feb. 26.

Nelson, John D., Pittsfield, Mass., assignor to General Electric Company. Resinous compositions and their use. 2,594,979, Apr. 29.

Nelson, John D., J. J. Pyle, and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Apparatus for producing uniform foam structures. 2,588,151, Mar. 4.

Nelson, John J., Alameda, Calif. Draft fastener. 2,607,604, Aug. 19.

Nelson, John N., Cranston, R. I., assignor to J. N. Nelson Co., Inc. Temple hinge mounting providing catch and stop surfaces. 2,608,905, Sept. 2.

Nelson, John W.: *See*—
Teter, John W., and Nelson.

Nelson, John W., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Grease. 2,590,786, Mar. 25.

Nelson, John W., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Chemical manufacture. 2,610,974, Sept. 16.

Nelson, Joseph F.: *See*—
Banes, Fred W., Fitz Gerald, and Nelson.
Hudson, Boyd E., Jr., Wilson, and Nelson.

Nelson, Joseph F., Rahway, N. J., assignor to Standard Oil Development Company. Stabilization of organic materials with aryl polyphosphites. 2,612,488, Sept. 30.

Nelson, Joseph F., Clark Township, Union County, and L. M. Welch, Madison, N. J., assignors to Standard Oil Development Company. Vulcanizable copolymers of isobutylene and 10-70 per cent combined butadiene. 2,607,764, Aug. 19.

Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Fluidized carbonization process. 2,582,711, Jan. 15.

Nelson, Kenneth A., Salina, Kans. Folding chair swing. 2,600,675, June 17.

Nelson, Laurence T., assignor to Portland Woolen Mills, Inc., Portland, Oreg. Convertible lap robe. 2,611,899, Sept. 30.

Nelson, Lee, Manhattan Beach, assignor of one-half to H. J. Bagliazo, San Pedro, Calif. Window blind guide. 2,602,505, July 8.

Nelson, Lewen R., Peoria, Ill. Hearth kit. 2,587,880, Mar. 4.

Nelson, Lewen R., Peoria, Ill. Sprinkler head for use on underground water systems. 2,591,282, Apr. 1.

Nelson, Lloyd E., Evanston, Ill. Timer circuit. 2,583,792, Jan. 29.

Nelson, Martin, Menlo Park, Calif. Combination chair and drop-leaf table. 2,604,142, July 22.

Nelson, Melvin E., Burbank, Calif., assignor, by mesne assignments, to Gotham Hosiery Company, Inc., New York, N. Y. Integrating leg gauge. 2,604,696, July 29.

Nelson, Mildred P., assignee: *See*—
Polsen, Samuel D., and Nelson.

Nelson, Morris D., Bronx, N. Y., assignor to Radio Corporation of America. High-voltage supply. 2,588,652, Mar. 11.

Nelson Muffler Corporation, assignee: *See*—
Bryant, Edwin E.

Nelson, Nels A., assignor to R. T. Moloney, Chicago, Ill. Cabinet for amusement apparatus. 2,600,909, June 17.
Nelson, Norman A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Device for obtaining samples from well bores. 2,612,346, Sept. 30.
Nelson, Norman H., and S. D. Polsen, Fairfield, Conn. Used cup disposal means. 2,617,355, Nov. 11.
Nelson, Oliver K. K., assignee: *See*—
Adams, William B.
Nelson, Oscar G., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Holding apparatus for testing cable. 2,584,282, Feb. 5.
Nelson, Paul A., Minneapolis, Minn. Article operated switch. 2,604,557, July 22.
Nelson, R. L., assignee: *See*—
Powell, Sammy R.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Magnetron anode. 2,583,793, Jan. 29.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Waveguide attenuator. 2,594,978, Apr. 29.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. High-frequency dielectric heater. 2,602,134, July 1.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Magnetron. 2,607,898, Aug. 19.
Nelson, Robert C., Kensington, Conn., assignor to J. J. Milo, Elizabeth, N. J., doing business as Jersey Manufacturing Co. Metal cutting toolholder. 2,587,370, Feb. 26.
Nelson, Robert E., Kern County, Calif. Engine exhaust condenser. 2,591,187, Apr. 1.
Nelson, Robert P., Southbridge, Mass, assignor to Philco Corporation, Philadelphia, Pa. Direct-coupled amplifier. 2,620,406, Dec. 2.
Nelson, Rolland D., Hales Corners, and E. A. Link, assignors to Rural Transformer & Equipment Co., Milwaukee, Wis. Lightning arrester. 2,591,370, Apr. 1.
Nelson, Rolland D., Hales Corners, and E. A. Link, assignors to Rural Transformer & Equipment Co., Milwaukee, Wis. Lightning protector device. 2,593,393, Apr. 15.
Nelson, Roy F., A. J. Deutser, and M. R. Hefty, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,581,132, Jan. 1.
Nelson, Rudolph, assignee: *See*—
Lindquist, August T.
Nelson, Russell B., Beaverton, Oreg., M. Davies, and F. Neth, assignors to F. Neth, doing business as Columbia Machine Works, Vancouver, Wash. Machine for making concrete blocks. 2,589,115, Mar. 11.
Nelson, Sven H.: *See*—
Polsen, Samuel D., and Nelson.
Nelson, Ted, San Leandro, Calif., assignor to Gregory Industries, Inc. Spot welding. 2,584,491, Feb. 5.
Nelson, Ted, San Leandro, Calif., assignor to Gregory Industries, Inc. Welding stud. 2,612,394, Sept. 30.
Nelson, Thomas B.: *See*—
Nelson, Ernest H., T. B., and F.
Nelson, Thomas E., Pontiac, Mich. Oil seal. 2,613,960, Oct. 14.
Nelson, Thomas F., Stratford, Conn., assignor to General Electric Company. Folding electric food mixer. 2,599,275, June 3.
Nelson, Victor, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Preparing a sterilized cream for preservation in sealed containers. 2,603,568, July 15.
Nelson, Vivian M., assignee: *See*—
Polsen, Samuel D., and Nelson.
Nelson, Walter H., Cadillac, Mich., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage regulator. 2,613,344, Oct. 7.
Nelson, William J.: *See*—
Dermer, Otis C., and Nelson.
Nelson, Willis N.: *See*—
Jenson, Kenneth S., and Nelson.
Nemec, Hans, Vorarlberg, Austria. Electric nerve stimulator. 2,622,601, Dec. 23.
Nemec, Joseph W.: *See*—
McKeever, Charles H., and Nemec.
Němeček, Oldřich: *See*—
Landa, Stanislav, and Němeček.
Nemenyi-Katz, Laszlo, London, England. Device for timing and adjusting balance wheel assemblies. 2,613,529, Oct. 14.
Nemeth, Otto R., Los Angeles, Calif. Picture viewing device. 2,608,902, Sept. 2.
Nemeth, Otto R., Los Angeles, Calif. Device for viewing pictures. 2,608,903, Sept. 2.
Nemeth, Otto R., Los Angeles, Calif. Toy railway. 2,609,413, Sept. 2.
Nemeth, Steffen P., Chicago, Ill. Kinetic energy coaster for bicycles. 2,580,944, Jan. 1.
Nemeth, Steffen P., Chicago, Ill. Motor drive for bicycles. 2,594,060, Apr. 22.
Németh, Steffen P., Chicago, Ill. Climbing and spinning toy. 2,610,439, Sept. 16.
Nemetz, Gustav, deceased, Vienna, Austria, by V. Nemetz, administratrix, assignor to Alex. Friedmann, Kommandit-Gesellschaft, Vienna, Austria. Lubricating pump. 2,599,195, June 3.
Nemetz, Gustav, deceased; by V. Nemetz, administratrix, assignor to A. Friedmann, Kommandit-Gesellschaft, Vienna, Austria. Lubricating pump. 2,603,158, July 15.
Nemetz, Gustav, deceased, Vienna, Austria; by V. Nemetz, administratrix, assignor to A. Friedmann, Kommandit-Gesellschaft, Vienna, Austria. Lubricating pump. 2,619,191, Nov. 25.
Nemetz, Valerie, administratrix: *See*—
Nemetz, Gustav.
Nemir, Clarence T., assignor to K. N. H. Corporation, Washington, D. C. Cashew oil condensation and polymerization in the shell. 2,592,588, Apr. 15.
Nemir, Clarence T., assignor to K. N. H. Corporation, Washington, D. C. Apparatus for expressing oil. 2,613,592, Oct. 14.
Nemoede, Paul A., Keller, Tex., assignor to Container Corporation of America, Chicago, Ill. Pallet load divider tray. 2,620,117, Dec. 2.
Neola, John S., Shaker Heights, Ohio. Shears. 2,603,864, July 22.
Neon Products Inc., assignee: *See*—
Howenstine, James A.
Smith, Kenneth F.
Neo-Ray Products, Inc., assignee: *See*—
Young, Philip.
Neptune, Herman P., Los Angeles, Calif. Form clamp. 2,583,962, Jan. 29.
Neptune Meter Company, assignee: *See*—
Hazard, Charles S.
Neptune, Ralph W.: *See*—
Davis, Wilmer O., Roseman, Allan, and Neptune.
Roseman, Reuben, Neptune, and Allan.
Nernacher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,599,773, June 10.
Nernacher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,609,900, Sept. 9.
Nernacher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Vehicle brake. 2,613,774, Oct. 14.
Nerad, Anthony J.: *See*—
Buckland, Bruce O., and Nerad.
Nerad, Anthony J., Alplaus, N. Y., assignor to General Electric Company. Welding. 2,582,268, Jan. 15.
Nerad, Anthony J., Alplaus, N. Y., assignor to General Electric Company. Rocket motor pumped supersonic wind tunnel. 2,592,322, Apr. 8.
Nerad, Anthony J., Alplaus, N. Y., assignor to General Electric Company. Combustor for thermal power plants having toroidal flow path in primary mixing zone. 2,601,000, June 17.
Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and circuit. 2,591,963, Apr. 8.
Nerman, Tom, New York, N. Y. Tripod. 2,587,511, Feb. 26.
Nesbitt, Cordell H., Nashville, and L. H. Ray, Jr., Madison, Tenn. Adjustable tray for vehicle instrument panels. 2,616,775, Nov. 4.
Nesbitt, James A., assignee: *See*—
Robinson, Benjamin H.
Nesbitt, John D., Sylvania, and H. W. Schramm, assignors to Surface Combustion Corporation, Toledo, Ohio. Radiant work heating gas burner. 2,591,283, Apr. 1.
Neslund, Axel, San Francisco, Calif. Automobile door buffer. 2,611,637, Sept. 23.
Nessler, Reinhardt, Stockton, Calif. Electric can opener. 2,595,162, Apr. 29.
Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Deicing wiper blade for curved windshields. 2,601,664, June 24.
Nester, L. G., assignee: *See*—
Borneman, George.
Nester, Patrick A.: *See*—
Rounds, Comer A., and Nester.
Nestle, Alfred C., Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y. Drilling fluid. 2,601,050, June 17.
Nestlé Company, Inc., The, assignee: *See*—
Griffin, Harry L.
Nestor, Leonard R., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated abrasive article and making. 2,609,284, Sept. 2.
Neth, Fred: *See*—
Davies, Miles, and Neth.
Nelson, Russell B., Davies, and Neth.
Neth, Frederick G., and J. F. Templeman, assignors to M. F. Keller, Portland, Oreg. Electric water-heating system. 2,589,566, Mar. 18.
Netler, Paul R., Green Lane, Pa. Making an elastic welt for full fashioned stockings. 2,619,818, Dec. 2.
Netschert, Franz, Glendale, assignor to Technical Glass Company, Los Angeles, Calif. Apparatus for baking lacquer on metal articles. 2,589,424, Mar. 18.
Netschert, Franz, Glendale, assignor to Technical Glass controllable auxiliary burner means to supplement exhaust gas fed to turbocharger. 2,620,621, Dec. 9.

Nett, Ethbert R.: *See*—
Heyl, Richard E., and Nett.
Nettel, Frederick, Manhasset, N. Y. Self-powered turbosupercharger starter system for internal-combustion engines. 2,585,029, Feb. 12.
Nettel, Frederick, Manhasset, N. Y. Diesel engine having Company, Los Angeles, Calif. Sorting machine. 2,599,655, June 10.
Nettel, Frederick, Manhasset, N. Y. Control system for turbocharged compression-ignition internal-combustion engines. 2,608,051, Aug. 26.
Nettesheim, Peter W., Chicago, Ill. Built-in floor illuminating fixture having a hinged lamp support and a hinged reflector. 2,587,371, Feb. 26.
Nettler, Stanley, Great Neck, N. Y. Hosiery form attachment. 2,600,258, June 10.
Nettler, Stanley, Great Neck, and M. Maccaferri, Rye, N. Y.; said Maccaferri assignor to said Nettler. Plastic shoe display form. 2,610,340, Sept. 16.
Nettleton, Leroy A., Brookline, and H. S. Sommers, Jr., Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Computer automatic reset. 2,605,450, July 29.
Netzband, Earl A., assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Vehicle for the distribution of newspapers or the like. 2,603,499, July 15.
Neu, Ernest L.: *See*—
Bollhert, Armand R., and Neu.
Neubauer, Ferdinand J., Muscatine, and O. W. Neubauer, Walcott, Iowa. Signal apparatus. 2,595,980, May 6.
Neubauer, Hans O., Minneapolis, Minn. Shelving construction. 2,621,800, Dec. 16.
Neubauer, Joseph A., assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Excess flow check valve. 2,615,676, Oct. 28.
Neubauer, Joseph A., Pittsburgh, Pa., N. J. Ehlers, and H. C. Twiehaus, New Martinsville, W. Va., and F. R. Elmore, Medina, Ohio, assignors, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Purifying sodium hydroxide solutions. 2,622,009, Dec. 16.
Neubauer, Oakley W.: *See*—
Neubauer, Ferdinand J. and O. W.
Neubeck, Clifford E.: *See*—
Smythe, Carl V., and Neubeck.
Neufeld, Dietrich J., Buhler, Kans. Wire insulator holder. 2,589,726, Mar. 18.
Neufeld, Leonard C., assignor to The Delman Corporation, Des Moines, Iowa. Diaphragm pump. 2,584,552, Feb. 5.
Neufeld, Leonard C., assignor, by mesne assignments, to The Delman Company, Des Moines, Iowa. Nozzle structure for windshield cleaning devices. 2,622,929, Dec. 23.
Neufeld, Jacob, assignor to Well Surveys, Incorporated, Tulsa, Okla. Radiation detector. 2,604,600, July 22.
Neugass, Edwin A., assignee: *See*—
Shlenker, Charles N.
Neugass, Edwin A., Portchester, N. Y. Instrument panel. 2,595,973, May 6.
Neuhard, George W.: *See*—
Hampton, William and Neuhard.
Neuland, Joseph G., Scotia, N. Y., assignor to General Electric Company. Mass spectrometer. 2,623,179, Dec. 23.
Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Rider plate construction. 2,611,373, Sept. 23.
Neuman, Andrew: *See*—
Neher, Harry T., Specht, and Neuman.
Specht, Edward H., Neuman, and Neher.
Neuman, Herbert A., Wrentham, assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 2,618,294, Nov. 18.
Neumann, Albert, Milwaukee, Wis. Oil gauge for oil drums. 2,593,172, Apr. 15.
Neumann, Fred W., Nazareth, and W. W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Diazotypes containing a condensation product of dicyandiamide with formaldehyde and a salt of ammonia or an aromatic amine. 2,593,911, Apr. 22.
Neumann, George: *See*—
Wentz, George W., and Neumann.
Neumann, Otto W., and G. D. O'Neil, assignors to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,587,512, Feb. 26.
Neumayr, George A., Buffalo, N. Y. Adjustable platform for vehicles. 2,621,941, Dec. 16.
Neundorfer, George T., Chico, Calif. Portable two-directional agricultural heater. 2,602,267, July 8.
Neuner, Carl J., Buffalo, N. Y. Dispensing container with detachable spout nestable in said container in nonuse position. 2,597,593, May 20.
Neuner, Martin J., Fairview, assignor to Bendix Aviation Corporation, Teterboro, N. J. Fluid seal for rotatable shafts. 2,616,730, Nov. 4.
Neureuther, George C., Morton, Ill. Producing whisky. 2,602,744, July 8.
Neuroth, John, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Valve operating means. 2,589,019, Mar. 11.

Neuschaefer, Helen, Rye, assignor to A. Sartorius & Co., Inc., New York, N. Y. Lipstick case. 2,595,403, May 6.
Neustadter, Arnold: *See*—
Neilsen, Hildaur L., and Neustadter.
Neutelings, Willem, assignor to Industrie-en Handelmaatschappij "De Vuurslag" C. V., Bergen op Zoom, Netherlands. Device for molding shapes from plastic material. 2,614,511, Oct. 21.
Neuwirth, Herman, Brooklyn, N. Y. Transferring a film web from a roll to a reel of film developing means. 2,594,980, Apr. 29.
Nevalonny, Michael T.: *See*—
Howe, James A., and Nevalonny.
Neveroll Products Company, assignee: *See*—
Skillman, Newton, Jr., and Connolly.
Neveu, Anselme: *See*—
Guillemin-Tarayre, Jean, and Neveu.
Neville Company, The, assignee: *See*—
Geiger, Lyle M.
Neville, John V. H., Columbus, Mont. Visual display. 2,621,430, Dec. 16.
Neville, William H., Birmingham, Ala. Outboard motor. 2,583,059, Jan. 22.
Nevin, Edward J., St. Louis County, Mo. Knife assembly for rotary cutters. 2,598,933, June 3.
Nevin, Ira: *See*—
Fader, Arthur I., and Nevin.
Nevins, Samuel L., Little Rock, and J. S. Gilliam, Jr., Stamps, Ark., assignors, by mesne assignments, to The Fluor Corporation, Ltd. Recovery of elemental sulfur. 2,603,464, July 15.
New Conveyor Company Limited, assignee: *See*—
Smith, James V.
New Dictatype Company, Incorporated, assignee: *See*—
Von Duyke, Harrison M.
New Products Corporation, assignee: *See*—
Banker, Oscar H.
New Bedford Cordage Company, assignee: *See*—
Snyder, Robert A.
Newberg, Raymond G.: *See*—
Fischer, Wilbur F., Knoth, and Newberg.
Newberg, Raymond G., Cranford, and F. P. Baldwin, Woodbridge, N. J., assignors to Standard Oil Development Company. Compounding packaged powders into rubber. 2,617,775, Nov. 11.
Newbern, St. Clair, Fort Worth, Tex. Folding crib and play pen. 2,583,187, Jan. 22.
Newbery, George, deceased, by L. Newbery, Hutton Mount, and G. R. Newbery, Harrow, executors, and D. D. Libman, London, assignors to May & Baker Limited, Dagenham, England. Secondary octyl ether of tri-iodo phenol as an x-ray contrast media. 2,622,100, Dec. 16.
Newbery, George R., executor: *See*—
Newbery, George, and Libman.
Newbery, Lily, executrix: *See*—
Newbery, George, and Libman.
Newbold, Park L., Cedar Rapids, Iowa. Sacking and weighing machine. 2,586,557, Feb. 19.
New Britain Machine Company, The, assignee: *See*—
Angle, Glenn D.
Carlson, Gustav R.
Gridley, George O.
Montgomery, Donald H.
Pekrul, Arthur F.
Pulsifer, Clarence D.
Retz, William B.
Rockwell, Edward A.
Stephen, Hallis N.
Wiard, Robert C.
Newby, Charles A., Hazel Park, and D. W. Steinbrecher, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Battery holding device. 2,613,755, Oct. 14.
Newby, Neal D.: *See*—
Malthaner, William A., Newby, and Vaughan.
Newby, Thomas H., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Rubber preserved with thiazylthio dihydroxybenzenes. 2,616,871, Nov. 4.
Newby, Thomas H., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. 2-(2-thiazylthio)-1,4 dihydroxybenzenes and preparation of same. 2,616,893, Nov. 4.
New Castle Products, Inc., assignee: *See*—
Brenner, Ray A., and Planeaux.
Planeaux, Marvin J.
Newcomb, Philip P., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gas turbine power plant, including planetary gearing between a compressor, turbine, and power consumer. 2,583,872, Jan. 29.
Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Rotatable combustion apparatus for aligning individual flame tubes with access parts or manholes. 2,609,663, Sept. 9.
Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Air screen for jet engines. 2,618,358, Nov. 18.
Newcomb, Walter C., and C. F. Fitter, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Timing mechanism for multiple grid cameras. 2,614,468, Oct. 21.

Newcombe, Frank A.: *See*—
Whitmore, James B., and Newcombe.

Newcombe, Frank A., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wire feed machine. 2,603,428, July 15.

Newcombe, Jack, Pawhuska, assignor to Cities Service Oil Company, Bartlesville, Okla. Hydrolysis of methylal. 2,605,287, July 29.

Newcomer, Jack S.: *See*—
McBee, Earl T., and Newcomer.

Newcomer, Jack S., Lincoln Park, Mich., assignor to Sharples Chemicals Inc. Phytotoxic composition and use thereof. 2,618,545, Nov. 18.

Newell, Arthur R., Topeka, Kans. Shroud supporting frame for automobile engine compartments. 2,612,233, Sept. 30.

Newell, Floyd B.: *See*—
Tate, Kenneth L., and Newell.

Newell, Frank: *See*—
Huyett, Robert B., and Newell.

Newell, George K., near Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Pin retaining means. 2,587,062, Feb. 26.

Newell, Heber L., Malvern, N. Y., assignor to General Electric Company. Supervised electrical alarm. 2,582,790, Jan. 15.

Newell, James R., Creston, Iowa. Printing machine for small articles. 2,581,281, Jan. 1.

Newell, Strohm, Los Angeles, and L. Fay, Burbank, Calif. Muffler-type toy. 2,609,640, Sept. 9.

Newell, William E.: *See*—
Thurlow, Lawrence M., and Newell.

Newey, Herbert A., Richmond, E. C. Shokal and T. F. Bradley, Oakland, assignors to Shell Development Company, San Francisco, Calif. Fractionation process. 2,596,344, May 13.

Newhall, Benjamin G., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Heat exchange apparatus and support therefor. 2,619,329, Nov. 25.

Newhall, Benjamin G., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Plate type heat exchanger support. 2,621,028, Dec. 9.

Newhall, Donald H., Walpole, Mass. Gun bore measuring device. 2,607,128, Aug. 19.

Newhall, Welrose L., Coraopolis, E. Willison, Greentree, and J. Stevens, Sewickley, assignors to Dravo Corporation, Pittsburgh, Pa. Shipping container. 2,613,836, Oct. 14.

New Holland Machine Division of The Sperry Corporation, assignee: *See*—
Best, Albert M.
Happe, Melvin J., and Redrow.
Harris, Frederick W., and Crants.
Hill, George B.
Hill, George B., and West.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Method of and apparatus for nodulization of iron ore. 2,584,808, Feb. 5.

New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W.

New Jersey Zinc Company, The, assignee: *See*—
Cyr, Howard, M., Siller, and Steele.
Handwerk, Erwin C., and Fetterolf.
Handwerk, Erwin C., and Mahler.
Reimert, Lawrence J.
Schneider, Erwin L.
Waring, Robert K., Fetterolf, and Hurst.
Weikel, John H.

Newkirk, Clarence E., Lynwood, Calif. Wheeled disk harrow. 2,599,065, June 3.

Newkirk, William B., La Grange, and A. D. Hapke, Bedford Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Production of dextrose. 2,606,847, Aug. 12.

Newkirk, William B., La Grange, and J. E. Diouhy, Forest Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Starch conversion process. 2,610,132, Sept. 9.

Newland, Coleman A.: *See*—
Kuemmerlein, Edward M., and Newland.

Newlin, John S., Paoli, assignor to Merchant & Evans Company, Philadelphia, Pa. Finned tube construction. 2,613,066, Oct. 7.

Newlon, George R., Jr., Point Pleasant, W. Va. Adjustable scaffold. 2,583,437, Jan. 22.

Newlon, George R., Jr., Point Pleasant, W. Va. Flange holding clamp. 2,585,343, Feb. 12.

Newman, Abraham B., Los Angeles, Calif. Draped curtain structure. 2,623,215, Dec. 30.

Newman, Carl A., and R. S. Berry, Los Angeles, Calif. Thermo safety valve. 2,586,248, Feb. 19.

Newman, Charles: *See*—
Bechtold, Ira C., Stephens, and Newman.

Newman, Charles E. W., Romford, assignor to Sussex Laundry Limited, London, England. Drying apparatus. 2,622,344, Dec. 23.

Newman, Dave B.: *See*—
Newman, Hymie G. and D. B.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Manifolding paper. 2,582,149, Jan. 8.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Planographic printing. 2,582,347, Jan. 15.

Newman, Douglas A., Sea Cliff, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Manifolding. 2,589,202, Mar. 11.

Newman, Douglas A., Sea Cliff, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Transfer material. 2,603,508, July 15.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Manifolding. 2,606,775, Aug. 12.

Newman, Edward A.: *See*—
White, Eric L. C., and Newman.

Newman, Edward A., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Electrical circuit arrangement for the generation of oscillations. 2,603,750, July 15.

Newman Exclusive Gift Mfrs., Inc., assignee: *See*—
Newman, Richard.

Newman, Ferris E., New Haven, Ind., assignor to United States Rubber Company, New York, N. Y. Plating barrel. 2,594,061, Apr. 22.

Newman, Ferris E., New Haven, Ind., assignor to United States Rubber Company, New York, N. Y. Composition of matter comprising a thermosetting cashew nut shell oil modified phenol-formaldehyde resin, a rubbery copolymer of butadiene and acrylonitrile, and diatomaceous earth. 2,598,289, May 27.

Newman, Harold H., Brooklyn, N. Y. Merchandise cabinet. 2,602,015, July 1.

Newman, Hymie G. and D. B., Edmonton, Alberta, Canada. Lawn seed drill. 2,589,425, Mar. 18.

Newman, Leopold, assignor to Falcon Fasteners, Inc., New York, N. Y. Fastening means. 2,601,803, July 1.

Newman, Louis B., Chicago, Ill. Hydrotherapy tank. 2,587,644, Mar. 4.

Newman, Louis L., Washington, D. C., and W. C. Schroeder, Clinton, Md., assignors to the United States of America as represented by the Secretary of the Interior. Underground gasification of coal. 2,593,477, Apr. 22.

Newman, Melvin S., assignor to Ohio State University Research Foundation, Columbus, Ohio. 1-hydroxy-6-alkoxy-4-methylhexene-4-yne-2 and lower fatty acid esters thereof. 2,581,282, Jan. 1.

Newman, Melvin S., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Halo-alkoxyhexene-ynes. 2,581,283, Jan. 1.

Newman, Melvin S., assignor to The Ohio State University Research Foundation, Columbus, Ohio. 1-halo-6-alkoxy-4-methylhexadiene-2,4 and prepaartion thereof. 2,581,284, Jan. 1.

Newman, Melvin S., Columbus, Ohio, and B. J. Magerlein, Kalamazoo, Mich., assignors to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,588,407, Mar. 11.

Newman, Melvin S., and S. Swaminathan, assignors to The Ohio State University Research Foundation, Columbus, Ohio. 1-acetyl-6-oxo-8a-methyl-3,4,6,7,8,8a-hexahydronaphthalene. 2,614,123, Oct. 14.

Newman, Norman R.: *See*—
Bornemann, William, and Newman.

Newman, Odus O., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Metering pin. 2,591,090, Apr. 1.

Newman, Richard, Forest Hills, assignor to Newman Exclusive Gift Mfrs., Inc., New York, N. Y. Note paper ejecting address book. 2,588,152, Mar. 4.

Newman, Richard, Lakeview, Oreg. Hydraulic lift for mowing machines. 2,603,929, July 22.

Newman, Robert J., and D. S. Friend, London, England. Labeling machine. 2,586,983, Feb. 26.

Newman, Thomas, Anderson, Ind. Change container. 2,597,365, May 20.

Newman, Victor M., New York, N. Y. Sewing machine in necktie construction. 2,608,170, Aug. 26.

Newman, Victor M., New York, N. Y. Tie lining guide mechanism. 2,612,126, Sept. 30.

New Method Steel Stamps, Inc., assignee: *See*—
Norris, Richard H.

Newmont Mining Corporation, assignee: *See*—
Brant, Arthur A.

Newnham, Leonard A., Cockfosters, assignor to The British Electric Resistance Company Limited, Enfield, England. Electric resistance apparatus. 2,596,503, May 13.

New Plastic Corporation, assignee: *See*—
Jahn, Walter K., Carmien, and Mullings.

Newport, Clayton A.: *See*—
Jones, Arden T., and Newport.

Newport Industries, Inc., assignee: *See*—
Bibb, Carlisle H., and McLaughlin.

New Process Confection and Beverage Corporation, assignee: *See*—
Ogden, Hubert S.

Newschwander, Wilfrid W.: *See*—
Wachter, Aaron, and Newschwander.

Newsom, James B.: *See*—
Haines, William T., and Newsom.

Newsom, Seth A. T., assignor to Callaway Mills Company, La Grange, Ga. Ironer roll cover. 2,601,448, June 24.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor control. 2,581,329, Jan. 1.

Newton, Alwin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus, including an auxiliary power recovery turbine for turbo-supercharged engines. 2,622,390, Dec. 23.

Newton, Amos S., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Making metal hydrides. 2,588,153, Mar. 4.

Newton, Catherine H., assignee: *See*—
Brandon, Clarence W.

Newton, Charles G., Jr.: *See*—
Brophy, John J., and Newton.

Newton, Charles H.: *See*—
Forsthoefel, Gregg F., and Newton.

Newton, Floyd C., Jr.: *See*—
Crowley, Andrew Y., Jr., and Newton.

Newton, Herman S., Temple, Tex. Dowel cutting head. 2,584,492, Feb. 5.

Newton, Herman S., Temple, Tex. Rotary dowel cutting head. 2,618,301, Nov. 18.

Newton, John A., Painesville, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating device. 2,582,060, Jan. 8.

Newton, John C., New York, N. Y., assignor to The Sperry Corporation. Turn control apparatus. 2,623,715, Dec. 30.

Newton, Joseph R.: *See*—
Knepper, Lilly R., Newton, and Knepper.

Newton, Lawrence W., South Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Plastic compositions and producing the same. 2,603,616, July 15.

Newton, Noel B., London, and C. S. R. Stock, Slough, England; said Stock assignor to said Newton. Elevatable load platform for vehicles. 2,603,454, July 15.

Newton, Phillip S., Oakland, Calif. Antiglare visor. 2,605,133, July 29.

Newton, Robert L.: *See*—
McNutt, Anderson D., and Newton.

Newton, Russell B., Danville, Va., assignor, by mesne assignments, to Dan River Mills, Incorporated. Drawing frame assembly. 2,593,478, Apr. 22.

Newton, William H., Blacklick, Ohio, assignor to The Jeffrey Manufacturing Company. Separating screen and associated high-frequency fluid vibrating mechanism. 2,607,490, Aug. 19.

Newton, William H., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Magnetic separator. 2,607,478, Aug. 19.

New Wrinkle, Inc., assignee: *See*—
Flanagan, William F.
Toulmin, Harry A., Jr.
Waldie, William A.

New York Air Brake Company, The, assignee: *See*—
Alger, Martin J., Jr.
Huber, Matthew W.
Kirkham, Hall.
Klein, William F.
Schmiel, Herbert H.
Silcox, Lewis K.
Vroman, Erwin C.

Nex, Robert W.: *See*—
Hanson, William J., and Nex.

Ney, Edward P., Minneapolis, Minn., F. L. Hereford, Jr., Swarthmore, Pa., W. D. Whitehead, Jr., Old Church, Va., and A. R. Kuhlthau, Durham, N. H., assignors to the United States of America as represented by the Secretary of the Navy. Stabilizing system using an amplidyne. 2,605,452, July 29.

Ney, William O.: *See*—
Freyermuth, Harlan B., and Ney.

Ney, William O., Jr., Somerset Center, Mass., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of esters of α,β-dichloropropionic acid. 2,612,519, Sept. 30.

Nezamis, Frank E., Kalamazoo, Mich. Mophead with quick releasing mop clamp. 2,584,729, Feb. 5.

Niagara Alkali Company, assignee: *See*—
Lawlor, Francis E.
Lawlor, Francis E., and Brodbeck.
Lawlor, Francis E., and Casciani.

Niagara Machine and Tool Works, assignee: *See*—
Munschauer, Frederick E.
Munschauer, Frederick E., Jr.

Niccolai, Ruggero, Rome, Italy. Device for the discharge of liquids from receptacles. 2,606,326, Aug. 12.

Nicholas, Norman: *See*—
Glick, Maurice, and Nicholas.

Nicholas, Serviliano M., Los Angeles, Calif. Trouser hanger. 2,616,596, Nov. 4.

Nicholls, Kenneth H., Bromley, England. Figure toy. 2,601,739, July 1.

Nicholls, Kenneth H., Bromley, and A. G. Rose, Gainsborough, England. Rotary pump and motor differential hydraulic transmission. 2,583,704, Jan. 29.

Nicholls, Malcolm B., Cincinnati, Ohio, assignor, by mesne assignments, to Revere Corporation of America, Inc., Wallingford, Conn. Thermocouple. 2,597,665, May 20.

Nichols, Arthur A., Weston, assignor to W. H. Nichols Company, Waltham, Mass. Floating drive connection for metering pumps. 2,588,653, Mar. 11.

Nichols, Beverly R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fluid pressure control apparatus. 2,612,838, Oct. 7.

Nichols, Charles A., R. B. Bower, G. L. Welser, J. R. Edwards, W. A. Fletcher, H. W. McCoy, Anderson, Ind., and B. S. Sample, Danville, Ill., assignors to General Motors Corporation, Detroit, Mich. Material heating and handling means. 2,613,450, Oct. 14.

Nichols, Charles R., McAllen, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Mud weighing apparatus. 2,613,530, Oct. 14.

Nichols, Charles R., McAllen, Tex. Electrical prospecting. 2,619,520, Nov. 25.

Nichols, Clayton W., Jr., Mineola, E. L. Armstrong, Garden City, and H. J. Schroeder, Brooklyn, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Rolling oil composition. 2,617,769, Nov. 11.

Nichols, Donald E.: *See*—
Hamparson, George C., Keller, and Nichols.

Nichols, Earl, Richmond Hill, N. Y. City traffic toy. 2,602,262, July 8.

Nichols, Edgar B., Moorestown, N. J. Drum type, rotary, perpetual calendar. 2,581,810, Jan. 8.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Temple mounting means for looms. 2,598,821, June 3.

Nichols, Edwin A., assignor to American Bosch Corporation, Springfield, Mass. Grinding apparatus. 2,601,747, July 1.

Nichols, Ellsworth G., Winchester, Mass. Apparatus for packaging nuts, with gasing and vacuum means comprising tubular bag supporting needles. 2,606,704, Aug. 12.

Nichols, Elton F.: *See*—
Sprague, Frank, and Nichols.

Nichols, Frederick A., Stratford, and D. H. Vero, Bridgeport, Conn. Safety attachment for smokers' ash receptacles. 2,612,174, Sept. 30.

Nichols, George J., Gary, Ind. Electric motor apparatus for automatically regulating the speed of strip reeling devices. 2,586,076, Feb. 19.

Nichols, Harry J., Point Pleasant, N. J. Coupling. 2,617,672, Nov. 11.

Nichols, Harry J., Point Pleasant, N. J. Controllable reversible pitch propeller. 2,620,040, Dec. 2.

Nichols, Hayden, Salt Lake City, Utah. Sealing element. 2,583,873, Jan. 29.

Nichols, James B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Solutions of polyamides in solvent mixtures. 2,590,642, Mar. 25.

Nichols, John T., assignee: *See*—
Nichols, Mary L.

Nichols, Joseph, Bronx, assignor to Interchemical Corporation, New York, N. Y. Unsaturated ketone acids and esters. 2,623,888, Dec. 30.

Nichols, Joseph, Bronx, assignor to Interchemical Corporation, New York, N. Y. Diketo unsaturated acid and esters. 2,623,889, Dec. 30.

Nichols, Joseph, Bronx, and V. S. De Marchi, Jamaica, assignors to Interchemical Corporation, New York, N. Y. Condensation of an allylic alcohol and a conjugated diene. 2,596,279, May 13.

Nichols, Louis A., Jr., and L. Wescott, Old Hickory, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Slurry pump with screened discharge for preventing lump accumulation. 2,619,292, Nov. 25.

Nichols, Mary L., assignor to J. T. Nichols, Santa Ana, Calif. Fishing lure. 2,594,673, Apr. 29.

Nichols, Michael, Jr.: *See*—
Schueder, George M., Krokus, and Nichols.

Nichols, Peter L., Jr.: *See*—
Wrigley, Arthur N., Yanovsky, and Nichols.

Nichols, Sydney A.: *See*—
Molins, Desmond W., Ruau, Nichols, Jackson, and Williams.

Nichols, Thomas F., Utica, N. Y. Composite structural member. 2,601,910, July 1.

Nichols, W. H. Company, assignee: *See*—
Nichols, Arthur A.

Nichols, William M., Schenectady, assignor to American Locomotive Company, New York, N. Y. Fuel injector. 2,614,888, Oct. 21.

Nichols, William M., Schenectady, assignor to American Locomotive Company, New York, N. Y. Opposed piston internal-combustion engine. 2,622,573, Dec. 23.

Nichols, William T., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Inhibition of polymerization of acrylonitrile. 2,614,119, Oct. 14.

Nicholson, Edward W. S.: *See*—
Munday, John C., and Nicholson.

Nicholson, Edward W. S., and R. J. Fritz, Baton Rouge, La., and L. D. Etherington, Cranford, N. J., assignors to Standard Oil Development Company. Adsorption of gases with charcoals having different activities. 2,614,657, Oct. 21.

Nicholson, Edward W. S., and L. I. Griffin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Continuous retorting of oil shale. 2,618,589, Nov. 18.

Nicholson, Eugene W., and E. Goats, Harrison, Ark. Self-lighting pipe. 2,595,534, May 6.

Nicholson, George M., Battle Creek, Mich. Dipper. 2,605,127, July 29.
Nicholson, Gordon E.: *See*— Schweighofer, Horst M., Nicholson, and Pyle.
Nicholson, James A., Toledo, Ohio. Chute supporting mechanism. 2,601,449, June 24.
Nicholson, Jerry E., Canton, Ohio. Chewing gum dispenser. 2,591,855, Apr. 8.
Nicholson, John A. L.: *See*— Ore, Carl V., and Nicholson.
Nicholson, Kenneth C., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of silicon nitride-bonded articles. 2,618,565, Nov. 18.
Nicholson, Madison G., Jr., Snyder, N. Y., assignor to Sylvania Electric Products Inc. Signal-to-noise ratio in pulse reception. 2,612,603, Sept. 30.
Nicholson, Ragnar C., assignor to Master Rule Manufacturing Co., Inc., Middletown, N. Y. Spring lock for steel tape ribbon. 2,614,769, Oct. 21.
Nicholson, Roy E.: *See*— McNamara, Patrick V., and Nicholson.
Nickel, Hal G., Milwaukee, Wis. Piano construction. 2,600,910, June 17.
Nickells, Stanley W.: *See*— Wilson, John M., and Nickells.
Nickels, Joseph E.: *See*— Corson, Ben B., and Nickels.
Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Production and separation of isomeric isopropylnaphthalenes. 2,592,589, Apr. 15.
Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Separation of naphthalene isomers. 2,598,715, June 3.
Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Isomerization of aromatic compounds. 2,615,056, Oct. 21.
Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Isomerization of aromatic compounds. 2,617,838, Nov. 11.
Nickerson, Mark: *See*— Goodman, Louis S., and Nickerson.
Nickerson, Mortimer H., assignor to De Bell & Richardson, Inc., Springfield, Mass. Melamine formaldehyde scratch resistant coating composition, applying, and article produced thereby. 2,589,567, Mar. 18.
Nickerson, Richard W., Eagle Rock, assignor of one-fifth to R. W. Maxwell, Los Angeles, Calif. Ash tray and receptacle. 2,583,389, Jan. 22.
Nickle, Arthur G., and B. J. Wasalaski, Saginaw, Mich. Bearing protection means. 2,622,945, Dec. 23.
Nickles, Edward B., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Truck type articulated crane. 2,590,787, Mar. 25.
Nickles, Edward B., Manitowoc, Wis. Dragline excavator. 2,602,245, July 8.
Nicol, Herbert E., Milwaukee, Wis. Cooking range hood. 2,582,884, Jan. 15.
Nicol, William H., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Polyethylene air filter. 2,612,966, Oct. 7.
Nicola, Toufick, Montclair, N. J. Spring impactor bone plate. 2,580,821, Jan. 1.
Nicolai, Lloyd A., and B. V. Molstedt, Baton Rouge, La., assignors to Standard Oil Development Company. Modification of annular stripper. 2,612,433, Sept. 30.
Nicolas, Jean J., Paris, France. Rotary blade apparatus adapted for use as a pumping or driving unit. 2,607,298, Aug. 19.
Nicolas, Paul, Paris, France, assignor to Societe Francaise Radio Electrique. Synchronization indicator for common wave transmitting systems. 2,617,939, Nov. 11.
Nicolaus, Delmar O.: *See*— Nicolaus, Otto C. and D. O.
Nicolaus, Otto C. and D. O., Julesburg, Colo. Device for supporting grain elevator spouts. 2,586,077, Feb. 19.
Nicolay, Anthony A.: *See*— Wolf, Robert J., and Nicolay.
Nicole, Amédée, Sainte Croix, and L. Thévenaz, Les Rasses, near Sainte Croix, assignors to Hermann Thorens Societe Anonyme, Sainte Croix, Switzerland. Automatic record changing talking machine. 2,592,323, Apr. 8.
Nicoletti, Nicholas J., St. Louis, Mo. Apparatus for transmitting hot pans of bread from ovens. 2,609,944, Sept. 9.
Nicolin, Curt, O. A. Wiberg, and F. E. O. Östmar, assignors to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden. Gas turbine unit for driving electric generators. 2,585,576, Feb. 12.
Nicolin, Robert J., assignor to Herter's, Inc., Waseca, Minn. Wind sounding device. 2,612,723, Oct. 7.
Nicoll, Frederick H.: *See*— Friend, Albert W., and Nicoll.
Nicolle, Charles, Gentilly, France. Powder-sprinkling apparatus. 2,580,580, Jan. 1.
Nicolls, Wilfrid E. W., Pinner, assignor to C. A. V. Limited, London, England. Stop. 2,588,560, Mar. 11.
Nicorvo, Edwin J., Morgan, N. J. Demountable electric audible device. 2,600,070, June 10.
Nicosia, Larry F., Brooklyn, N. Y. Rope connector. 2,607,094, Aug. 19.
Nicoson, Clarence I.: *See*— Gray, Harold W., and Nicoson.
Niebuhr, Clayton J., Dearborn, Mich. Doll cradle. 2,582,061, Jan. 8.
Niederau, William E., Arlington, D. Ritchie, Jr., North Plainfield, and P. L. Wright, Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic voltmeter test circuit for measuring high-resistance leaks. 2,595,163, Apr. 29.
Niedercorn, Joseph G., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Producing aureomycin. 2,609,329, Sept. 2.
Niederer, Herbert O.: *See*— Niederer, Otto C., H. O., and O.
Niederer, Otto: *See*— Niederer, Otto C., H. O., and O.
Niederer, Otto C., H. O., and O., Titusville, N. J. Egg feeding device. 2,620,059, Dec. 2.
Niederhauser, Alfred, Basel, Switzerland. Lifting jack. 2,594,270, Apr. 22.
Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Alpha, alpha'-dithiodialdehydes. 2,580,695, Jan. 1.
Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Bis-chlorobutenyl sulfides. 2,604,492, July 22.
Niederl, J. B., & Associates, Inc., assignee: *See*— Niederl, Joseph B.
Niederl, J. B., and Associates, Inc., assignee: *See*— Niederl, Joseph B., and McGreal.
Niederl, Joseph B. and V., and McGreal.
Niederl, Joseph B., Brooklyn, assignor to J. B. Niederl & Associates, Inc., New York, N. Y. Limiting polymerization. 2,613,230, Oct. 7.
Niederl, Joseph B., Brooklyn, V. Niederl, Round Top, N. Y., and M. E. McGreal, Somersworth, N. H., assignors to J. B. Niederl and Associates, Inc., New York, N. Y. Quaternary ammonium salts of morpholyl ethers. 2,581,285, Jan. 1.
Niederl, Joseph B., and M. E. McGreal, Brooklyn, assignors to J. B. Niederl and Associates, Inc., New York, N. Y. N,N-dialkyl morpholinium alkyl-sulfates. 2,602,791, July 8.
Niederl, Victor: *See*— Niederl, Joseph B. and V., and McGreal.
Niedermann, Joseph, assignee: *See*— Fluck, Fridolin.
Niedig, Dan, assignor to J. H. Martin, Chicago, Ill. Coin-controlled dispensing machine. 2,623,622, Dec. 30.
Niedrach, Charles A.: *See*— Riddell, Clarence V., and Niedrach.
Niedszweckl, Theodore: *See*— Holder, Arthur, and Niedszweckl.
Niehaus, Carl F., and W. G., Indianapolis, Ind. Air washer. 2,590,342, Mar. 25.
Niehaus, Edward J., Jr., and H. F. Whitney, Jr., Baltimore, Md., assignor to Standard Oil Development Company. Production of high-quality heating oils. 2,608,522, Aug. 26.
Niehaus, William G.: *See*— Niehaus, Carl F. and W. G.
Niehouse, Oliver L.: *See*— Wehrle, Joseph J., Niehouse, and Burtle.
Niehus, Kurt, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Combustion chamber for a gas turbine. 2,617,255, Nov. 11.
Nieland, Carl O., Minneapolis, Minn. Mustard and catsup dispenser. 2,605,022, July 29.
Nield, Arnold, London, England, assignor to Imperial Chemical Industries Limited. Roll system. 2,621,390, Dec. 16.
Nield, Herbert, Caulfield, Victoria, Australia. Flexible rotary shaft. 2,603,073, July 15.
Nield, Leslie C., Glossop, England, assignor, by mesne assignments, to John Dalglish & Sons Limited, Glasgow, Great Britain. Web guiding device. 2,601,713, July 1.
Nielsen, A. C., Company, assignee: *See*— Black, James G. Krahulec, Fred. Nielsen, Arthur C. Scherbatskoy, Serge A.
Nielsen, Aage L., Aalborg, Denmark. Photographic printing machine. 2,601,051, June 17.
Nielsen, Adolph, Oakland, Calif. Tractor hitch. 2,590,201, Mar. 25.
Nielsen, Andreas C., East Cleveland, Ohio. Detachably retaining machine elements and mechanisms. 2,585,577, Feb. 12.
Nielsen, Arthur C., Winnetka, assignor to A. C. Nielsen Company, Chicago, Ill. Mailable magazine type recorder with coin release mechanism. 2,593,593, Apr. 22.
Nielsen, Christian N., assignor to Aktiebolaget Bryggerimaskiner, Malmo, Sweden. Bottle filling apparatus. 2,606,706, Aug. 12.
Nielsen, David, St. Paul, Minn., assignor of one-half to L. Blomberg. Invalid supporting and handling apparatus for bathtubs. 2,604,636, July 29.
Nielsen, Erling J.: *See*— Frederiksen, Erling, and Nielsen.
Nielsen, Ernst K., Lake Villa, and N. R. Pellicani, Freeport, assignors to Kraft Foods Company, Chicago, Ill. Extraction from Irish moss. 2,620,334, Dec. 2.

Nielsen, Ernst K., Lake Villa, and N. R. Pellicani, Freeport, assignors to Kraft Foods Company, Chicago, Ill. Extraction from Irish moss. 2,620,335, Dec. 2.
Nielsen, Frede D., Rødovre, Vanløse, Denmark. Letter balance. 2,612,365, Sept. 30.
Nielsen, Gordon A., Sacramento, Calif. Gang ripsaw. 2,619,130, Nov. 25.
Nielsen, Hans L., Copenhagen, Denmark. Machine for binding wreaths. 2,600,071, June 10.
Nielsen, Harry L., assignee: *See*— Cramer, Allan H.
Nielsen, Kaj L., and E. H. Roland, Indianapolis, Ind. Angular function resistor. 2,621,275, Dec. 9.
Nielsen, Lawrence E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Recording torsion pendulum. 2,593,389, Apr. 15.
Nielsen, Morris L.: *See*— Marling, Paul E., and Nielsen.
Nielsen, Morris L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Intumescing composition composed of a nitrogen phosphorus compound with an aldehyde resin. 2,596,937, May 13.
Nielsen, Morris L., and H. K. Nason, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Glowproofing composition comprising phenol-aldehyde resins and water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia. 2,596,936, May 13.
Nielsen, Morris L., R. W. Arnold and E. C. Chapin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Coating composition composed of nitrogen-phosphorus compound with an aldehyde resin together with a water-soluble alkyd resin. 2,596,938, May 13.
Nielsen, Morris L., and P. E. Marling, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Fire retarding coating composition composed of a nitrogen-phosphorus compound with an aldehyde resin and polyhydroxy alcohol. 2,596,939, May 13.
Nielsen, Morris L., and H. K. Nason, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Flameproofing. 2,603,614, July 15.
Nielsen, Peter: *See*— Nielsen, Richard C. and P.
Nielsen, Richard C. and P., assignors to Jubilee Manufacturing Company, Omaha, Nebr. Electric horn. 2,587,513, Feb. 26.
Nielsen, Russell A., South Pasadena, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Progressive dielectric heating. 2,590,562, Mar. 25.
Nielsen, Vandel L., Greenville, Mich. Carrier for cartons and the like. 2,590,999, Apr. 1.
Nielson, Carl A.: *See*— Milton, Clare L., Jr., and Nielson.
Nielson, Carl A., Takoma Park, F. Leonard, Silver Spring, Md., and I. Cort, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Army. Age and stain-resisting article of plasticized polyvinyl chloride. 2,606,325, Aug. 12.
Nielson, Jack, Los Angeles, Calif. Corrugated sheet metal cutter. 2,582,933, Jan. 15.
Nieman, Chauncy W.: *See*— Nieman, Henry W. and C. W.
Nieman, Henry W. and C. W., Bethlehem, Pa. Method and apparatus for eliminating impurities from metals which are in a fluid state. 2,583,438, Jan. 22.
Niemann, Arthur W., Millington, assignor to Sound Apparatus Company, Stirling, N. J. Graphic recorder with sliding coils. 2,581,133, Jan. 1.
Niemann, Charles L., Westboro, Mo. Poultry feeding device. 2,583,874, Jan. 29.
Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Decimal indicator. 2,585,578, Feb. 12.
Niemann, Leroy K., assignor to Eastman Mfg. Company, Manitowoc, Wis. Blowgun. 2,598,417, May 27.
Niemi, Theodore M., Quincy, Mass. Toy derrick. 2,606,668, Aug. 12.
Niemi, William F., Seattle, Wash. Darting fish lure of the swimming type. 2,608,788, Sept. 2.
Niemitz, Gerhard, assignor to Kennedy-Van Saun Manufacturing & Engineering Corporation, New York, N. Y. Method and apparatus for handling finely divided materials. 2,580,581, Jan. 1.
Nienaber, Frank: *See*— Lytle, Chester W., and Nienaber.
Nier, Alfred O. C., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Mass spectrometer apparatus. 2,582,150, Jan. 8.
Nier, Alfred O. C., Riverdale, R. B. Thorness, and C. M. Stevens, New York, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for governing fluid flow. 2,586,984, Feb. 26.
Nierenberg, Theodore D., New York, assignor to Etched Products Corporation, Long Island City, N. Y. Making circuit panels. 2,602,731, July 8.
Nierhaus, Henry, Scarsdale, assignor to Stoffel Seals Corporation, Tuckahoe, N. Y. Metal tag. 2,590,883, Apr. 1.
Nierman, Leonard G., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electronic relay circuit. 2,596,956, May 13.
Niermeyer, Karel A., Leeuwarden, Netherlands. Magazine type hot-air stove for burning solid fuel. 2,593,690, Apr. 22.
Niesemann, Fritz, Pittsburgh, Pa., assignor to Rockwell Manufacturing Company. Fluid pressure regulator. 2,583,006, Jan. 22.
Niessen, Herman, assignor of one-half to J. Aho, Brooklyn, N. Y. Viewing apparatus. 2,619,750, Dec. 2.
Nieter, Temple, Evanston, assignor to Motorola, Inc., Chicago, Ill. Electrical apparatus using metalized circuits and components therefor. 2,593,479, Apr. 22.
Nietfeld, Albert B., Fort Laramie, Wyo. Motor mounting. 2,594,674, Apr. 29.
Niewinski, Victor, St. Paul, Minn. Pivoted target device. 2,601,552, June 24.
Nigh, George W., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Hydraulic tester. 2,610,504, Sept. 16.
Nightingale, Robert G.: *See*— Roe, William C., and Nightingale.
Nightingale, William J., Valparaiso, Ind. Diving board. 2,590,563, Mar. 25.
Nihon, Alexis, Montreal, Quebec, Canada. Lubricating and cooling means for bearings. 2,584,220, Feb. 5.
Nijman, Zytse C., assignor to Staatsbedrijf der Posterijen, Telegrafie en Telefonie, The Hague, Netherlands. Electrical counting system. 2,606,234, Aug. 5.
Nikawitz, Edward J.: *See*— Gumn, William S., and Nikawitz.
Nikazy, Walter A., assignor to Haughton Elevator Company, Toledo, Ohio. Means for balanced dispatching of odd and even numbers of elevator cars. 2,623,110, Dec. 23.
Niles-Bement-Pond Company, assignee: *See*— Chandler, Milton E. Chandler, Milton E., and Hunt. Dexter, Albert M., Jr. Durkee, Henry E. Fox, Raymond S. Fox, Raymond S., and Dexter. Holmes, Trent H. Hunt, Scott F. Lee, Leighton, II. Makant, Joseph E., Smithson, and Wunschel. Mueller, Paul M. Silver, Jacob S. Woodward, James S.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing mineral-coated paper. 2,583,274, Jan. 22.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,586,477, Feb. 19.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermosetting resins and preparing same. 2,601,665, June 24.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing thermosetting resins from urea, an aldehyde and aminoaliphatic carboxyl compounds and derivatives thereof. 2,601,666, June 24.
Niles, John B., Los Angeles, Calif. Canopy awning. 2,595,094, Apr. 29.
Niles, John B., Los Angeles, Calif. Bracket for supporting clotheslines. 2,620,152, Dec. 2.
Niles, Joseph A., and N. B. Simpson, Tulsa, Okla., H. F. Sturgis, Noroton, Conn., R. P. Vincent, and C. W. Ziemer, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for measuring well characteristics. 2,588,748, Mar. 11.
Nilsen, Arne, and K. Rohrer, assignors to Onsrud Machine Works, Inc., Chicago, Ill. Precision hole grinder. 2,608,807, Sept. 2.
Nilsen, Martin L., Chicago, Ill. Reinforced sail. 2,589,203, Mar. 11.
Nilsen, Nils D.: *See*— Edwin, Emil, and Nilsen.
Nilson, Nils D., Huddinge, Sweden. Strapping device for razor blades and the like. 2,619,780, Dec. 2.
Nilson, Olaf G., assignor to International Machine & Tool Works, Inc., Chicago, Ill. Pouring spout. 2,583,007, Jan. 22.
Nilsson, Erland B.: *See*— Vörts, Svend A., and Nilsson.
Nilsson, Hans R., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Machine of the screw-compressor type. 2,620,968, Dec. 9.
Nilsson, Hans R., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Helical rotary engine. 2,622,787, Dec. 23.
Nilsson, Henry O., Centerport, N. Y., and L. R. Phillips, Teaneck, N. J., assignors to Anemostat Corporation of America, New York, N. Y. Probe device for fluid condition measuring apparatus. 2,612,047, Sept. 30.
Nilsson, Nils, Solsidan, Saltsjobaden, assignor to Aktiebolaget Zander & Ingestrom, Stockholm, Sweden. Filter nozzle. 2,622,739, Dec. 23.
Nilsson, Nils E., Mockeln, Sweden. Transportable lifting device. 2,588,749, Mar. 11.

Nilsson, Nils E., Vaggeryd, Sweden. Apparatus for recovering the inorganic content of concentrated waste liquor. 2,591,188, Apr. 1.
Nimmo, Raymond L., Fort Worth, Tex. Douche nozzle. 2,591,371, Apr. 1.
Nimmo, Raymond L., Fort Worth, Tex. Chiropractic table. 2,622,950, Dec. 23.
Nims, Paul T.: *See*—
Borden, David M., and Nims.
Vogt, Paul R., and Nims.
Nims, Paul T., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for handling liquid. 2,617,080, Nov. 4.
Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,581,596, Jan. 8.
Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Instrument panel. 2,614,156, Oct. 14.
Nims, Paul T., and A. Chadkewicz, Detroit, said Chadkewicz, now by change of name A. Chadwick, assignors to Chrysler Corporation, Highland Park, Mich. Electromechanical change-speed transmission. 2,588,750, Mar. 11.
Nineberg, Edward, assignor to B. Sugarman, Chicago, Ill. Step and repeat film holder. 2,601,804, July 1.
Nipken, Walter, Fairlawn, N. J., assignor to W. D. Foster, Eustis, Fla., and Ridgewood, N. J., as trustee. Unitary work holder. 2,623,440, Dec. 30.
Nippert, Paul W., Columbus, Ohio. Manufacturing commutators. 2,592,172, Apr. 8.
Niquette, Oscar J., Nashua, N. H. Combination window. 2,615,711, Oct. 28.
Nish, Norman J.: *See*—
Ferrier, Herman, and Nish.
Nisolle, Léon, assignor to Centre National de la Recherche Scientifique, Paris, France. Steam power producing plant working with two water sources, the difference of temperature of which is small. 2,595,164, Apr. 29.
Nissel, Frank R., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Undistorted negative patterns of animal hides. 2,607,664, Aug. 19.
Nissen, Charles H., assignor of two-thirds to W. I. and H. H. Nissen, Fairview Township, Erie County, Pa. Concrete window frame and sash. 2,590,267, Mar. 25.
Nissen, Hans G., assignor of one-half to A. I. Martin, New York, N. Y. Drink dispensing apparatus for carbonated beverages. 2,612,304, Sept. 30.
Nissen, Harley H., assignee: *See*—
Nissen, Charles H.
Nissen, James M., Los Altos, Calif. Control mechanism for rudder and propeller feathering control. 2,597,020, May 20.
Nissen, Walter I., assignee: *See*—
Nissen, Charles H.
Nissen, Warren I.: *See*—
Burchett, Ray L., and Nissen.
Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter windshield structure. 2,614,408, Oct. 21.
Nissen, Warren I., assignor to Ronson Art Metal Work, Inc., Newark, N. J. Gas lighter. 2,620,643, Dec. 9.
Nissim, Raoul, London, England. Reduction of iron ores and the like by carbon. 2,581,597, Jan. 8.
Nissim, Raoul, London, England, assignor to Resistance Welders Limited, Inverness, Scotland. Riveter or the like having a pressure multiplying device. 2,603,067, July 15.
Nissley, Claude J., Telford, Pa. Nail extractor for mechanical hammers. 2,597,594, May 20.
Niswander, Willis E., La Verne, Calif. Bank aid. 2,619,144, Nov. 25.
Nitardy, Carl, Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Lighting fixture for elongated tubular lamps. 2,621,285, Dec. 9.
Nitralloy Corporation, The, assignee: *See*—
Loevenstein, Hirsch.
Nitsch, John M., Tuscaloosa, Ala. Automatic machine for freezing spiral ice chips. 2,597,515, May 20.
Nittka, Alfred E., Cleveland, Ohio. Jet booster pump. 2,602,398, July 8.
Nitz, John W., assignee: *See*—
Hawkes, Lawrence H.
Niva, Russell, Waukegan, Ill. Fastening device. 2,615,743, Oct. 28.
Nix, Grover C., Thomaston, assignor to J. L. Sinback, McDonough, Ga. Mote knife bracket. 2,580,582, Jan. 1.
Nix, Perry: *See*—
Koch, Otto L., and Nix.
Nixon, Alan C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Azeotropic distillation of halo-olefins. 2,604,439, July 22.
Nixon, Francis E., Ogallah, Kans. Tire chain. 2,606,591, Aug. 12.
Nixon, Jeddy D., New Braunfels, assignor of one-half to Wilson Foundry & Machine Company, Houston, Tex. Tubing anchor. 2,603,163, July 15.
Nixon, Lawrence J., Pittsburgh, Pa. Revolving storage bin. 2,568,699, Feb. 19.
Nixon, Lawrence J., Pittsburgh, Pa. Hinged and collapsible stairway. 2,593,336, Apr. 15.
Nixon, Leroy, Newtown, Pa., assignor to John A. Roebling's Sons Company, Trenton, N. J. Reeling device. 2,594,484, Apr. 29.
Nixon, Matthew E., Blountstown, Fla. Stringed instrument. 2,619,864, Dec. 2.
Nixon Nitration Works, assignee: *See*—
Barry, David A., and Pfeiffer.
Orsini, Camillo D.
Pfeiffer, James H., and Barry.
Nobbs, Cornelius G., London, England. Liquid fuel burner. 2,603,960, July 22.
Nobelt Company, The, assignee: *See*—
Hardie, Harry.
Noble, Bert, Winters, Calif. Mixing plant. 2,607,555, Aug. 19.
Noble, Bert, Winters, Calif. Mix selector control. 2,607,579, Aug. 19.
Noble, Charles S., G. C., and S. F., Nobleford, Alberta, Canada. Cultivating blade assembly. 2,607,279, Aug. 19.
Noble, Daniel E., Elmhurst, assignor to Motorola, Inc., Chicago, Ill. Bus progress control system. 2,597,517, May 20.
Noble, Francis D., Toronto, Ontario, Canada. Electric control for hangar telescopic canopy doors. 2,583,662, Jan. 29.
Noble, Gerald C.: *See*—
Noble, Charles S., G. C., and S. F.
Noble, John D., Kermit, Tex. Protective hat container. 2,585,700, Feb. 19.
Noble Manufacturing Co. Inc., assignee: *See*—
Davidson, Robert G.
Noble, Merle L.: *See*—
Keele, Marvin E., and Noble.
Noble, Robert R., assignee: *See*—
Pittenger, Harold W.
Noble, Robert R., San Diego, Calif. Micrometer heighth gauge. 2,611,186, Sept. 23.
Noble, Shirley F.: *See*—
Noble, Charles S., G. C., and S. F.
Noble & Wood Machine Co., assignee: *See*—
Dodge, George W.
Hayes, Frank.
Noble & Wood Machine Company, The, assignee: *See*—
Roberson, Cyrus E.
Nobles, Charles E., Baltimore, and R. Lee, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable voltage transformer. 2,583,152, Jan. 22.
Nock Frank: *See*—
Kubiak, Zygmunt, and Nock.
Nock, Harry: *See*—
Lorenz, Anton, and Nock.
Nodson, John A., Vallejo, Calif. Method and apparatus for testing springs. 2,585,960, Feb. 19.
Noe, Frank, Plainville, assignor to The Fafnir Bearing Company, New Britain, Conn. Journal bearing. 2,597,516, May 20.
Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Needle bar assembly for warp knitting machines. Re. 23,521, July 15.
Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Packaging machine. 2,580,456, Jan. 1.
Noe, Harold C., Upper Montclair, assignor to Kiddie Manufacturing Co., Inc., Bloomfield, N. J. Counting machine. 2,594,337, Apr. 29.
Noe, Harold C., Upper Montclair, assignor to Kiddie Manufacturing Co., Inc., Bloomfield, N. J. Article diverter. 2,594,338, Apr. 29.
Noe, Jerre D., assignor to Hewlett-Packard Company, Palo Alto, Calif. Amplifier network. 2,580,822, Jan. 1.
Noebels, Henry J., Metuchen, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Apparatus for halogenation. 2,608,660, Aug. 26.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. High-pressure mercury vapor lamp. 2,611,883, Sept. 23.
Noel, Edward B., Cleveland Heights, and P. B. Davis, East Cleveland, Ohio, assignors to General Electric Company. Lamp unit. 2,624,023, Dec. 30.
Noel, Louis P., and H. J. Griffin, Battle Creek, and H. D. De Moss, Climax, Mich.; said Noel assignor to said Griffin and said De Moss. Ladder side member extension attachment. 2,602,580, July 8.
Noel, Philip X., assignor to Casco Products Corporation, Bridgeport, Conn. Automobile antenna. 2,617,933, Nov. 11.
Noel Precision Corporation, assignee: *See*—
Negri, Frank G.
Noel, William A., assignor of one-third to J. N. Moerger and one-third to R. C. King, Washington, D. C. Automatic dehydration apparatus for cereals. 2,608,768, Sept. 2.
Noelle, Conrad J., assignor to American Optical Company, Southbridge, Mass. Artificial eye. 2,580,583, Jan. 1.
Noelle, Conrad J., assignor to F. W. Jardon, doing business as The Fritz Jardon Prosthetic Laboratories, Detroit, Mich. Prosthetic device. 2,617,994, Nov. 18.
Noelting, William H., and J. A. Skupas, assignors to Faultless Caster Corporation, Evansville, Ind. Caster. 2,589,847, Mar. 18.

Noerr, Floyd B., Lewiston, Pa. Apparatus for transporting beams. 2,588,278, Mar. 4.
Noffsinger, Harold E., Salt Lake City, Utah. Screw holding screw driver. 2,590,564, Mar. 25.
Noffsinger, Harold E., Salt Lake City, Utah. Screw holding attachment for screw drivers. 2,620,000, Dec. 2.
Noffsinger, Louis R., Alexandria, Va. Control method and apparatus for arc discharge. 2,624,026, Dec. 30.
Nogler, Raymond S., Pasadena, and S. D. Menzies, Manhattan Baech, assignors to Catalina, Inc., Los Angeles, Calif. Elastic thread laying attachment for sewing machines. 2,615,409, Oct. 28.
Noguera, Joseph, Salford, Manchester, England. Weighting means for the drafting rollers in preparatory and spinning machines. 2,602,966, July 15.
Nohr, Allen, Milwaukee, Wis. Tobacco smoking device. 2,597,124, May 20.
Nöjd, John A.: *See*—
Eliasson, Olof M., and Nöjd.
Nolan, James J., Danbury, and C. J. Hoyenski, Bethel, Conn. Puzzle toy. 2,617,654, Nov. 11.
Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Metal pouring apparatus for feeding molten metal into centrifugal molds. 2,597,811, May 20.
Nolan, Kenneth G., South Norwalk, and J. H. Fletcher, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Halogenated and nitro halogenated thiophenes as agricultural fungicides. 2,600,126, June 10.
Nolan, Lester S., Pittsburgh, Pa. Handle for carton carriers. 2,591,593, Apr. 1.
Nolan, Merrill C., Washington, D. C., assignor to The McBee Company, Athens, Ohio. Kit for sorting cards. 2,593,594, Apr. 22.
Noland, Robert A., and C. T. Szymko, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Nickel welding. 2,602,871, July 8.
Nolcken, Woldemar G., Headington, Oxford, assignor to Pressed Steel Company Limited, Oxford, England. Leak detecting lamp. 2,589,116, Mar. 11.
Nolcken, Woldemar G., Headington, Oxford, assignor to Pressed Steel Company Limited, Oxford, England. Control valve, such as for refrigerating systems. 2,613,505, Oct. 14.
Nolcken, Woldemar G., Headington, Oxford, assignor to Pressed Steel Company Limited, Oxford, England. Refrigerating system with downwardly evaporating secondary circuit. 2,617,271, Nov. 11.
Noll, Henry J., Milwaukee, Wis. Adjustable width gate. 2,592,722, Apr. 15.
Noll, Herman R., assignor to Grob Brothers, Grafton, Wis. Work feed. 2,616,160, Nov. 4.
Noll, Paul E., Pasadena, C. W. Crawford, Los Angeles, T. D. Aller, San Gabriel, and A. R. Rethey, Los Angeles, Calif., assignors to United States Steel Company. Control valve. 2,598,590, May 27.
Nolle, Alfred W., San Marcos, Tex., assignor to The Electrodyne Company, Boston, Mass. Electrical system with output signal varying logarithmically with respect to the input signal. 2,600,423, June 17.
Nolte, Albert C., trustee, assignee: *See*—
Stempel, Laszlo M.
Nolte, Theodore, Iowa City, Iowa. Edger for rug weaving machines. 2,592,723, Apr. 15.
Noltes, Gerrit J.: *See*—
Bosch, Alexander, and Noltes.
Noma Electric Corporation, assignee: *See*—
Kahn, Bertrand B., and Metz.
Nonell, José P., Habana, Cuba. Blind. 2,596,714, May 13.
Non-Ferrous Die Casting Company Limited, The, assignee: *See*—
Robertson, Neil D. G., and Browse.
Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for Standard Dayton Corporation, Dayton, Ohio. Motor control system. 2,589,276, Mar. 18.
Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for Standard Dayton Corporation, Dayton, Ohio. Motor control system. 2,589,277, Mar. 18.
Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for the Standard Dayton Corporation, Dayton, Ohio. Motor control system. 2,589,278, Mar. 18.
Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for the Standard Dayton Corporation, Dayton, Ohio. Speed respective plugging for electric motors. 2,589,279, Mar. 18.
Noon, Alonzo W., assignor of one-third to A. H. Rix and one-third to R. A. Noon, San Diego, Calif. Timer. 2,599,858, June 10.
Noon, Alonzo W., assignor to W. P. Elser, San Diego, Calif. Electromechanical automatic elevator control. 2,600,676, June 17.
Noon, Roy A., assignee: *See*—
Noon, Alonzo W.
Noon, T Cyrill, Bainbridge Township, Geauga County, and F. C. Bayer, East Cleveland, assignors to Thompson Products, Inc., Cleveland, Ohio. Variable area fuel nozzle. 2,613,998, Oct. 14.
Noonan, John K.: *See*—
Helms, Laurence C. and T. R., Tungett, and Noonan.
Nopco Chemical Company, assignee: *See*—
Cunder, Joseph, and Licata.
Klein, Howard C., and Kapp.
Sprules, Francis J., and Bell.
Noranda Mines Limited, assignee: *See*—
Clark, Charles W., and Morrison.
Norbal Company, The, assignee: *See*—
Bleecker, Arthur B.
Norbom, Ragnar A., New York, N. Y., assignor, by mesne assignments, to B. F. Fitch, Newport, R. I. Nozzle construction for use in the pneumatic handling of flour and the like. 2,580,823, Jan. 1.
Norce, Ralph J.: *See*—
Wenrich, Herbert E., and Norce.
Norco Co., The, assignee: *See*—
Carpenter, Arley D., and Slater.
Norco Manufacturing Company, assignee: *See*—
Peterson, Norman M.
Norcross, Gilbert F., West Caldwell, assignor to McGlynn Hays Industries, Inc., Belleville, N. J. Speed controller for spinning machines. 2,585,823, Feb. 12.
Nord, Ida P. W., Springfield, Mass. Unitary cooky cutter. 2,612,123, Sept. 30.
Nord, Simon R., Jr., South Pasadena, and C. B. Brostedt, Los Angeles, Calif. Electrical comb. 2,590,447, Mar. 25.
Nordahl, Andrew, Van Nuys, Calif. Hanger for sliding doors. 2,610,367, Sept. 16.
Nordberg Manufacturing Co., assignee: *See*—
Bohn, Donald I.
Dow, Herbert W.
Foxx, John F.
Grieshaber, Emil.
Gruender, Oscar C.
Halonen, Harry H.
Kellogg, Joseph.
Miller, Ralph H.
Protzeller, Harry W.
Shafter, Ruland R.
Talboys, Henry H.
Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Making ultraviolet-transmitting high-silica glasses. 2,612,726, Oct. 7.
Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Making ultraviolet-transmitting high-silica glasses. 2,612,727, Oct. 7.
Nordell, Carl H., Palm Springs, Calif. Rotary screen comminuting device. 2,614,695, Oct. 21.
Norden, Carl L., New York, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Microwave antenna and mounting and stabilizing means therefor. 2,585,579, Feb. 12.
Norden, Carl L., New York, and W. C. Coulbourn, Mineola, assignors to The Norden Laboratories Corporation, New York, N. Y. Master gyroscope system. 2,606,448, Aug. 12.
Norden Laboratories, assignee: *See*—
Mourer, Kermit L., and Harris.
Norden Laboratories Corporation, The, assignee: *See*—
Habich, Robert C.
Kleckner, Ulysses F.
Norden, Carl L.
Norden, Carl L., and Coulbourn.
Schaefer, Carl F.
Nordenson, Willard H., Rock Island, Ill., assignor to Deere Manufacturing Co., Dubuque, Iowa. Tractor rear axle for crop clearance. 2,601,553, June 24.
Nordenstam, Norris, Riverside, Calif. Lighter. 2,591,189, Apr. 1.
Nordenstam, Norris, Riverside, Calif. Lawn sprinkler. 2,597,366, May 20.
Nordheim, Henry F.: *See*—
Berridge, Thomas W., and Nordheim.
Nordin, Elling H., Enkoping, Sweden. Saliva ejector. 2,603,870, July 22.
Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Thixotropic compositions. 2,610,959, Sept. 16.
Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Thixotropic compositions. 2,610,960, Sept. 16.
Nordlander, Birger W., Schenectady, and J. A. Loritsch, Scotia, N. Y., assignors to General Electric Company. Thixotropic compositions. 2,610,958, Sept. 16.
Nordlund, Karl F., Edsviken, Sweden. Steam generator. 2,590,117, Mar. 25.
Nordmark, Walter E.: *See*—
Hoven, Alfred C., and Nordmark.
Hoven, Alfred C., Nordmark, and Huhta.
Hoven, Alfred C., Nordmark, and Lindberg.
Merrill, Ralph K., Hoven, and Nordmark.
Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Seat mounting for theater chairs or the like. 2,582,599, Jan. 15.
Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Seat mounting for theater chairs or the like. 2,582,600, Jan. 15.
Nordmark, Walter E., J. A. Miller and N. C. Poel, assignors to American Seating Company, Grand Rapids, Mich. Inertia-operated switch. 2,596,427, May 13.

Nordquist, Robert G., Glen Ellyn, assignor to Patent License Corporation, Chicago, Ill. Dome lighting fixture. 2,602,135, July 1.

Nordquist, Ronald E. J.: *See*—
Preis, Carl G., and Nordquist.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Cutter and transfer device for fish canning machines. 2,581,432, Jan. 8.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Feeding device for pliable sheet material. 2,593,480, Apr. 22.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Apparatus for applying a coating band to moving articles. 2,597,893, May 27.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container weighing machine with buoyant liquid weighing medium. 2,597,894, May 27.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Device for transferring articles from one conveyer to another. 2,611,493, Sept. 23.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Machine for counting and stacking articles. 2,612,089, Sept. 30.

Nordstrom, John R., Portland, Oreg. Apparatus for opening compressed packages. 2,588,752, Mar. 11.

Nordström, Vilhelm F. A., Stockholm, and D. A. Morosoff, Enskede, Sweden, assignors to De Laval Steam Turbine Company, Trenton, N. J. Combined gas and steam turbine plant using burner in gas turbine exhaust to heat steam. 2,604,755, July 29.

Noreen, Elmer D.: *See*—
Welsh, Orme, and Noreen.

Noregaard, Maurice J., assignee: *See*—
Cooley, Hal.

Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Mounting for vertically movable tandem wheels. 2,614,641, Oct. 21.

Norell, Karl T., assignor to Aktiebolaget Bofors, Bofors, Sweden. Liquid reactor. 2,594,675, Apr. 29.

Norén, Tore M. I., assignor to Elektriska Svetsningsaktiebolaget, Gothenburg, Sweden. Surface hardening of metal articles. 2,623,836, Dec. 30.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Radio pulse-echo locating equipment. 2,595,876, May 6.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Selective sideband transmission and reception system. 2,611,036, Sept. 16.

Norgorden, Oscar, Washington, D. C. Radio beacon system. 2,607,915, Aug. 19.

Norgren, C. A., Co., assignee: *See*—
Norgren, Carl A.

Norgren, Carl A., assignor to C. A. Norgren Co., Denver, Colo. Balanced fluid pressure regulating valve. 2,599,577, June 10.

Norkin, Morris, New York, N. Y. Apparatus for manufacture of slide fasteners. 2,600,677, June 17.

Norland, Clarence, Cypress, Calif. Poultry drinking fountain. 2,616,444, Nov. 4.

Norlén, Per I., Stockholm, Sweden. Dental engine for compressed air. 2,618,064, Nov. 18.

Norlin, Clarence F., Chicago, Ill. Pen clip. 2,595,974, May 6.

Norlindh, Sven E. M., Morgardshammar, Sweden. Rolling mill guide. 2,608,888, Sept. 2.

Norman, Charles R., Jr.: *See*—
Schuetz, Clyde C., and Norman.

Norman, Edward A., Jr., assignor to Norman Products Company, Columbus, Ohio. Oil-fired conversion burner. 2,594,062, Apr. 22.

Norman, Frank E.: *See*—
Glick, Leslie P., and Norman.

Norman, Frank H.: *See*—
Law, Russell R., and Norman.

Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Dynamoelectric machine balanced rotor. 2,594,203, Apr. 22.

Norman, Joseph T., Huntington Mills, Pa. Heating system. 2,594,063, Apr. 22.

Norman, Joseph T., Huntington Mills, Pa. Hothouse, hotbed, and domestic heating system. 2,615,635, Oct. 28.

Norman Products Company, assignee: *See*—
Norman, Edward A., Jr.

Norman, W. F., Sheet Metal Mfg. Co., The, assignee: *See*—
Harner, Joe P.

Norman, Wayne R., Schenectady, N. Y., assignor to General Electric Company. Wick hypsometer. 2,599,276, June 3.

Norman, Wilson Y., Amarillo, Tex. Container for hypodermic preparations. 2,612,163, Sept. 30.

Normand Limited, assignee: *See*—
Hickling, Ernest H., Cheffings, and Butlin.

Norquist, Glenn H., Jamestown, N. Y. Making metal-clad counter tops. 2,585,961, Feb. 19.

Norrefeldt, Ernst E. A., and H. E. E. Holst, Lidingo, assignors to Hyresgasternas Sparkasse- and Byggnadsforeningars Riksforbund u. p. a., Stockholm, Sweden. Pallet. 2,621,006, Dec. 9.

Norrid, James H., Detroit, Mich. Roof construction. 2,596,780, May 13.

Norris Brothers, assignee: *See*—
Norris, David L., Sr.

Norris, Coma F., assignee: *See*—
Nagel, Edward H., and Hubbell.

Norris, David L., Sr., Greenville, S. C., assignor to Norris Brothers. Picker stick. 2,600,019, June 10.

Norris, Edward C.: *See*—
Farling, Harold L., and Norris.

Norris, Edward O., Westport, Conn. Rotary distributor for spraying devices. 2,587,514, Feb. 26.

Norris, Edward O., Westport, Conn. Centrifugal spray coating apparatus. 2,597,021, May 20.

Norris, Frank A., assignor to Swift & Company, Chicago, Ill. Monoglycerides. 2,619,493, Nov. 25.

Norris, Harold W., Battle Creek, Mich. Electric fence. 2,610,224, Sept. 9.

Norris, Henry D.: *See*—
Trigg, Hastings S., Norris and White.

Norris, Henry D., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of halothenyl halides. 2,623,049, Dec. 23.

Norris, John W., Marshalltown, Iowa, assignor to The University of Illinois Foundation. Furnace with door latching means and combustion gas by-pass controlled thereby. 2,608,944, Sept. 2.

Norris, Lannie F., Minneapolis, and D. J. W. Timmersman, Eden Prairie, assignors to Norris Manufacturing Company, Minneapolis, Minn. Liquid dispensing cabinet. 2,601,319, June 24.

Norris Manufacturing Company, assignee: *See*—
Norris, Lannie F., and Timmersman.

Norris, Richard H., assignor to New Method Steel Stamps, Inc., Detroit, Mich. Rotatable marking tool. 2,610,576, Sept. 16.

Norris, Stanley E., Grove City, Ohio, assignor to the United States of America as represented by the Secretary of the Interior. Measurement apparatus. 2,580,457, Jan. 1.

Norsk Hydro-Elektrisk Kvaelstofaktieselskab, assignee: *See*—
Skogseid, Anders.

North, Turma, and Y. Sivola, Imatra, assignors to Enso-Gutzeit Osakeyhtiö, Helsinki, Finland. Refining chemical pulp. 2,593,173, Apr. 15.

North, Allan K.: *See*—
Clarke, Albert E., North, Holliday, and Clarke.

North, Charles W., Excelsior, Minn. Optical bench. 2,597,168, May 20.

North Electric Manufacturing Company, The, assignee: *See*—
Breese, Lemuel R., and Brewer.

North, Esther: *See*—
North, John, and E.

North, Harold D., Jr., Shaker Heights, assignor to The Engine Parts Manufacturing Company, Cleveland, Ohio. Spraying device. 2,589,020, Mar. 11.

North, John, and E., Chicago, Ill. Window shade. 2,581,433, Jan. 8.

North & Judd Manufacturing Company, The, assignee: *See*—
Simpson, Henry A.

North American Aviation, Inc., assignee: *See*—
Atwood, John L., and Henrichsen.
Beaupre, Merle A.
Campbell, David H.
Cunningham, Gale C., and Weldon.
Fairbanks, Avard F.
Gayner, Raymond D., Wood, and Copold.
Gordon, Carroll G.
Gordon, Carroll G., and Dahlman.
Henrichsen, Knut.
Johnson, Quinton C.
Keller, Philip B.
Kindelberger, James H.
Mellinger, George R.
Moclun, Anthony T. A.
O'Brien, Edward A.
Parker, Norman F.
Patch, Arthur C., Peed, and Cobin.
Perkins, Gerald S., Vogt, and Weber.
Phillipson, Joseph.
Raymond, Roger S., and McGee.
Rose, Erwin K., and Prill.
Self, Lewis J.
Stackhouse, William V.
Stratman, William C., and Fischer.
Tauscher, Vernon A., and Slater.
Wagner, Bruce O.
Wood, Thurman C.

North American Electric Lamp Co., assignee: *See*—
Henry, Jack.

North American Geophysical Co., assignee: *See*—
Cloud, Raymond T.

North American Paper Process Company, Inc., assignee: *See*—
Snowman, Paul A., Jr.

North American Rayon Corporation, assignee: *See*—
Bley, Rudolph S.
Carter, Ralph H., and Kingsbury.

North Bohemian Machine Works and Foundries, National Corporation, assignee: *See*—
Bílý, Theodor.

North Carolina Magnesium Development Corporation, assignee: *See*—
Hansgirg, Fritz J.

Northcutt, Harold M., assignee: *See*—
Walker, Arthur W.

Northern Electric Company, Limited, assignee: *See*—
Glinski, George.
Logan, George R.
Watson, Douglas J.

Northern Indiana Brass Co., assignee: *See*—
Arbogast, Alfred C.

Northrop Aircraft, Inc., assignee: *See*—
Ackerlind, Erik.
Ashkenas, Irving L.
Baker, Edward S.
Baker, Richard H., and Eckdahl.
Briggs, William D.
Carson, William T., Jr., and Williamson.
Cooke, Douglas W.
Crandall, Ronald E., and Glenn.
Dobbins, Willis E.
Feeney, Thomas A., and Parker.
Feeney, Thomas A., Ontes, and Vogel.
Gardner, Ray D., Jr., and Bretcher.
Hagen, Glenn E.
Hancock, Robert D.
Hancock, Robert D., Williams, Hagen, and Andersen.
Herman, Dick R.
Hill, Robert F.
Hindall, Lawrence D.
Hodgson, Richard W., and Parrish.
Huben, Michael G.
Jenkins, Seth P.
Jonas, Julius.
Jorgensen, Clinton O.
Kaysing, Charles W., and McMahon.
Metcalf, Herbert E.
Northrop, John K., and Feeney.
Parrish, Norman C.
Rogallo, Vernon L.
Schoellerman, Alvin L.
Schwartz, Albert M., and Sonneborn.
Sprague, Richard E., and Eckdahl.
Strayer, Chalmers A.
Taylor, Philip H.
Tucker, Charles, and Lyle.
Williams, Charles R., and Hagen.

Northrop, John K., and T. A. Feeney, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Control system for aircraft control surfaces. 2,582,348, Jan. 15.

North Star Construction Co., assignee: *See*—
Johnson, Nester A.

Northup, Robert P., Round Lake, N. Y., assignor to General Electric Company. Nozzle. 2,605,144, July 29.

Northwest Nut Growers, assignee: *See*—
Kofoid, Melvin J.

Northwestern Electric Company, assignee: *See*—
Carlson, Walter A., Martin, and Sigel.

Northwestern Steel and Wire Company, assignee: *See*—
Bell, George W.
Vorderstrasse, Rudolph C.

Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Material discharge mechanism. 2,590,202, Mar. 25.

Norton, Charles W., West Orange, N. J., assignor to Ralph C. Coxhead Corporation, New York, N. Y. Typewriter carriage spacing control. 2,581,200, Jan. 1.

Norton, Clyde J., Braintree, assignor to Sylvania Electric Products Inc., Salem, Mass. Discriminator circuit. 2,581,968, Jan. 8.

Norton, Clyde L., Waitsfield, Vt. Restraining device for cattle. 2,601,623, June 24.

Norton Company, assignee: *See*—
Alvord, Charles C.
Comstock, George E., 3rd.
Flygare, Carl G.
Flygare, Carl G., and Ellison.
Green, Clarence J.
Hill, Olva E.
Hook, Russell P., and Green.
Indge, Herbert S.
Mader, Stewart S.
Montgomery, Harold R.
Moule, Rex E.
Swalney, Homer L.
Upper, John A.
Van der Pyl, Edward.
Wheildon, William M., Jr.

Norton, Eugene W.: *See*—
King, Donald, and Norton.

Norton, Fred N., assignee: *See*—
Murphy, John E., Beckemeier, and Couture.

Norton, James F.: *See*—
Snyder, Jacob R., and Norton.

Norton, James P., Chicago, Ill. Electrically operated compressor. 2,588,753, Mar. 11.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Stabilization of microwave oscillators. 2,584,608, Feb. 5.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Radio-frequency power measuring system. 2,602,828, July 8.

Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Stabilization of microwave oscillators. 2,602,897, July 8.

Norton, Orlo C., Erie, Pa. Fluid actuated pipe vise. 2,603,994, July 22.

Norton, Robert L., Belmont, and J. J. Woerner, Sausalito, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube apparatus. 2,619,611, Nov. 25.

Norton, Samuel H., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston ring. 2,604,367, July 22.

Norton, Samuel H., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston ring. 2,604,368, July 22.

Norton, Samuel H., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Gauging fixture. 2,621,414, Dec. 16.

Norton, Samuel H., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston ring. 2,621,989, Dec. 16.

Norton, Sereno G., Brunswick, Ga. Tobacco. 2,586,701, Feb. 19.

Norton, Wilbur H., and H. Geiger, Bronson, Mich., assignors to Kingston Products Corporation, Kokomo, Ind. Clamp lock for separable socket assemblies. 2,604,506, July 22.

Norwood, Cecil K., Portland, Oreg. Rotary shaving device. 2,595,693, May 6.

No-Sag Spring Company, assignee: *See*—
Hopkes, Henry.
Hopkes, Henry, Jr.
Mayer, Louis T.
Mouw, Andrew.

Nosek, Jaroslav: *See*—
Daněk, Otto, and Nosek.

Nosker, Paul W., Yellow Springs, Ohio. Apparatus for launching aerial torpedoes from aircraft. 2,585,030, Feb. 12.

Nosker, Paul W., Yellow Springs, Ohio. Aerial torpedo. 2,603,433, July 15.

Nosker, Paul W., Yellow Springs, Ohio. Transmitter for guided aircraft controls. 2,616,031, Oct. 28.

Noskowicz, Theodore S.: *See*—
Amdursky, Mark E., and Noskowicz.

Nostrand, William G.: *See*—
Winslow, Charles A., Nostrand, and Moore.

Nothdurft, John, La Feria, Tex. Door construction. 2,595,975, May 6.

Notley, Oscar L.: *See*—
Golden, Carl E., and Notley.

Nottingham, Raph K., Portland, Oreg., assignor to Phillips Tutch-Latch Company. Hinge latch. 2,587,200, Feb. 26.

Novadel-Agene Corporation, assignee: *See*—
Booth, George M., and Patch.
Marks, Henry C., and Joiner.

Novak, Donald H., Gary, Ind. Automobile theft alarm. 2,594,676, Apr. 29.

Novak, Frank, assignor of one-half to M. Novak, Rahway, N. J. Flashlight mirror. 2,621,282, Dec. 9.

Novak, Izador J., Trumbull, and H. J. Cofek, Bridgeport, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Production of friction material. 2,620,320, Dec. 2.

Novak, John: *See*—
McDonald, John H., and Novak.

Novak, John M., San Francisco, Calif. Mnemonic educational means for demonstrating atomic or molecular structure and phenomena. Re. 23,587, Nov. 18.

Novak, John M., San Francisco, Calif. Mnemonic educational means for demonstrating atomic or molecular structure and phenomena. 2,598,591, May 27.

Novak, Joseph E., Berwyn, Ill. Mower cutter bar guard. 2,590,788, Mar. 25.

Novak, Joseph N., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Engine fuel system. 2,580,696, Jan. 1.

Novak, Michael, assignee: *See*—
Novak, Frank.

Novell, Edward W.: *See*—
Bowen, Oliver G., and Novell.

Novello, Frederick C., Prospect Park, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Cyclohexyl methyl ketones. 2,618,653, Nov. 18.

Novelty Utilities, Inc., assignee: *See*—
Karoff, Robert B.

Novi Equipment Company, assignee: *See*—
Adler, Herman G.
Mieras, Merritt A., and Millington.

Novi, Sam B., Sharp Park, Calif. Infant's feeding table. 2,588,734, Mar. 11.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Envelope feeding mechanism. 2,584,730, Feb. 5.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Blur preventing means for rotary envelope printing mechanism. 2,589,848, Mar. 18.

Novick, Arnold, Boston, Mass. Folding top extension table. 2,602,717, July 8.

Novick, William, Brooklyn, N. Y. Strap brush for bathing. 2,615,189, Oct. 28.

Novo Terapeutisk Laboratorium A/S, assignee: *See*— Hallas-Moller, Knud, and Petersen.

Novotney, Carl H., Seneca, Oreg. Log loading tongs. 2,620,219, Dec. 2.

Novotny, Emil E., Prospectville, and G. K. Vogelsang, La Mott, Pa., assignors to The Borden Company, New York, N. Y. Polystyrene interpolymers convertible to the infusible and insoluble state. 2,594,579, Apr. 29.

Novy, Joseph F., U. S. Navy. Remote location and identification system. 2,597,895, May 27.

Nowak, Alois K., Evanston, Ill. Press for metal stamping. 2,581,434, Jan. 8.

Nowak, Alois K., Evanston, Ill. Press with mechanical drive having harmonic motion and hydraulic transmission. 2,581,435, Jan. 8.

Nowak, Alois K., Evanston, Ill. Actuating means for forging presses. 2,594,204, Apr. 22.

Nowak, Alois K., Evanston, Ill. Hydraulic press in which the thrust of the ram and the reaction of the slide bar are equalized. 2,597,169, May 20.

Nowak, Alois K., Evanston, assignor to Clearing Machine Corporation, Chicago, Ill. Forging die. 2,603,988, July 22.

Nowak, Alois K., Evanston, Ill. Hydraulic transmission for press rams. 2,622,397, Dec. 23.

Nowak, Chester J., and R. S. Colt, assignors to Eastman Kodak Company, Rochester, N. Y. Direct-positive photographic process. 2,607,684, Aug. 19.

Nowak, Karl, Vienna, Austria. Circuit organization adapted to receive or amplify electric oscillations. 2,594,485, Apr. 29.

Nowak, Karl, Vienna, Austria. Highly selective receiver circuit. 2,619,588, Nov. 25.

Nowak, Milton: *See*— Minich, Arthur, and Nowak.

Nowak, Milton, Union, N. J., and A. Fischer, Bronx, N. Y., assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Preparing oil-soluble metal soaps. 2,584,041, Jan. 29.

Nowak, Ralph E., Glendale, assignor to R & E Engineering Company, Los Angeles, Calif. Garage door locking mechanism. 2,580,584, Jan. 1.

Nowakowski, Stanley, Meriden, assignor to The H. B. Ives Company, New Haven, Conn. Slotted letter box plate and cover therefor. 2,595,535, May 6.

Noxon, Paul A.: *See*— Konet, Henry, and Noxon.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Coordinated turn controller for automatic pilot systems. 2,585,162, Feb. 12.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Attitude indicator. 2,588,755, Mar. 11.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Orientation system. 2,590,428, Mar. 25.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Earth induction system. 2,597,125, May 20.

Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Navigation system. 2,614,335, Oct. 21.

Noxon, Paul A., Tenafly, A. M. MacCallum, Maywood, N. J., and A. Bennett, Bronx, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic control of mobile craft. 2,592,173, Apr. 8.

Noxon, Paul A., Tenafly, and W. A. Reichel, Hackensack, assignors to Bendix Aviation Corporation, Teterboro, N. J. Telemetric or repeater system. 2,611,191, Sept. 23.

Nox-Rust Chemical Corporation, assignee: *See*— Schwoegler, Edward J.

Noyack, Edward: *See*— Peterson, Gunnard P., and Noyack.

Noyack, Edward, Seymour, assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Lipstick holder and the like. 2,610,734, Sept. 16.

Noyes, Everett E., Warrensville, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric switch. 2,585,824, Feb. 12.

Noyes, Everett E., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Wire connector. 2,590,789, Mar. 25.

Noyes, Howard, Dayton, Ohio. Fillercap and adapter for liquid containers. Re. 23,611, Dec. 30.

Noyes, Maxwell E., assignor to Aluminum Company of America, Pittsburgh, Pa. Expanded electrical transmission cable. 2,589,507, Mar. 18.

Noyes, Stanley E., assignor to Dental Perfection Company, Glendale, Calif. Stress breaker. Re. 23,511, June 10.

Noyes, William E.: *See*— Fusco, Victor C., and Noyes.

NuArc Company, assignee: *See*— Benson, Harold R.

Nuccio, Samuel, Kansas City, Mo. Portable fire alarm unit. 2,611,016, Sept. 16.

Nuckols, Frank R., Mundelein, Ill. Turntable drive. 2,586,174, Feb. 19.

Nuclear Research Corporation, assignee: *See*— Mandeville, Charles E.

Nucletex Limited, assignee: *See*— Clapperton, George.

Nudelman, Eoina, Chicago, Ill. Children's domestic utensil set. 2,592,456, Apr. 8.

Nudelman, Eoina, Chicago, Ill. Toy figure eye construction. 2,604,728, July 29.

Nudelman, Eoina, Chicago, Ill. Child's rattle. 2,618,899, Nov. 25.

Nudelman, Eoina, B. C. Reed, and J. W. Ehemann, Chicago, Ill. Animated sounding figure toy. 2,618,894, Nov. 25.

Nu Delman, Al, assignee: *See*— Glick, Leslie P., and Norman.

Nu Delman, Edna, assignee: *See*— Glick, Leslie P., and Norman.

Nuessle, Albert C., Lyndalia, and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Modifying wood pulp for rapid dispersion. 2,606,115, Aug. 5.

Nugent, James J., Miami, Fla. Portable urinal. 2,594,339, Apr. 29.

Nugent, Wm. W. & Co., Inc., assignee: *See*— Vocelka, John.

Null, George D., and C. E. Zepp, Taneytown, Md. Tractor hitch. 2,610,863, Sept. 16.

Null, Norman V., and H. L. Thompson, Waco, Tex. Seam presser. 2,582,151, Jan. 8.

Nulty, William B., trustee, assignee: *See*— Randall, Walter H. Shepard, Ernest L.

Nulph, Harry F., East Liverpool, Ohio. Water-cooled lintel and skewback channel cooler. 2,614,545, Oct. 21.

Numbers, William, Huntington, N. Y. Combined lens cover and lens brush. 2,583,228, Jan. 22.

Nuncio, Estelle M. S., New Orleans, La. Wallboard containing a phenol formaldehyde resin and cattail fibers. 2,610,160, Sept. 9.

Nuodex Products Co., Inc., assignee: *See*— Minich, Arthur, and Nowak. Nowak, Milton, and Fischer.

Nuquet, Pierre E. C., Boulogne-Billancourt, assignor to Maison Breguet (Societe Anonyme), Paris, France. Ignition device for arc lamps. 2,591,594, Apr. 1.

Nusbaum, Emil J.: *See*— Doty, Clifford B., Vigmostad, and Nusbaum.

Nusbaum, Robert O., Elkhart, Ind. Radiator assembly for internal-combustion engines and the like. 2,596,589, May 13.

NuTone, Inc., assignee: *See*— Spear, Walter A.

Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Pedal controlled collapsible linkage for centrifugal clutches. 2,596,040, May 6.

Nutt, Harold, and H. V. Reed, assignors to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,589,508, Mar. 18.

Nuttall, Thomas C., assignor to Cinema-Television Limited, London, England. Shutter mechanism. 2,619,871, Dec. 2.

Nutter, Farr, Winchester, Va. Window with sliding panes. 2,580,945, Jan. 1.

Nutter, Hugh G., Grosse Pointe Farms, Mich. Automatic rain-responsive top and window lifting system. 2,617,972, Nov. 11.

Nutting, George C.: *See*— Ault, Waldo C., Nutting, and Weil.

Nuttle, John C., Denton, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for winding filaments. 2,623,701, Dec. 30.

Nyberg, Curt E., Chicago, Ill. Flashlight structure. 2,593,784, Apr. 22.

Nyberg, Ester, Seattle, Wash. Making dress forms. 2,610,773, Sept. 16.

Nyberg, Harry K., assignee: *See*— Ravers, Jerry J., Jr.

Nyberg, Herman: *See*— Gurton, William S., and Nyberg.

Nyberg, John C.: *See*— Brenner, John, and Nyberg.

Nyberg, Theodore A.: *See*— Sjostrom, George A., and Nyberg.

Nycum, Homer C., assignor to The C. H. Dutton Company, Kalamazoo, Mich. Burner safety control system. 2,616,491, Nov. 4.

Nydahl, Claes A. R., administrator: *See*— Von Brömssen, Adolph M.

Nyden, Robert, Manhasset, and H. K. Dickerman, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Sealing closure of limited rotatable adjustment for powder boxes or the like. 2,605,028, July 29.

Nye, Edward M., Elysburg, and A. Poisson, Sunbury, Pa. Combined aircraft and automobile. 2,593,785, Apr. 22.

Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric switch. 2,597,257, May 20.

Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute defining two alternate arc paths. 2,606,982, Aug. 12.

Nye, Norman H.: *See*— Rogers, Walter E., and Nye.

Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire bundling mechanism. 2,609,159, Sept. 2.

Nye, Norman H., and R. W. Penn, Cuyahoga Falls, C. C. Ensinger, and C. H. Sorrick, Jr., Kent, Ohio. Bagmaking apparatus. 2,621,705, Dec. 16.

Nye, Robert G., San Diego, Calif. Mechanical pressure latch. 2,609,268, Sept. 2.

Nye-Wait Company, Inc., assignee: *See*— Cady, Raymond R.

Nyffenegger, Hans, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Steam locomotive, including individual axle drive. 2,613,613, Oct. 14.

Nygaard, Herman, Poughkeepsie, N. Y., assignor to Daystrom Electric Corporation. Multigap magnetic transducer head. 2,596,912, May 13.

Nygaard, Herman, assignor to Daystrom Electric Corporation, Poughkeepsie, N. Y. Magazine for magnetic wire recorders. 2,598,716, June 3.

Nygaard, Herman, Poughkeepsie, N. Y. Indicator and stop for magnetic wire recorders. 2,611,550, Sept. 23.

Nygren, Carl: *See*— Klouman, Henning, and Nygren.

Nyhagen, Barney R., New York, N. Y. Safety razor. 2,609,603, Sept. 9.

Nylander, Arnold L.: *See*— Rowell, Ralph M., and Nylander.

Nyman, Harold G., Belmont, assignor to American Register Company, South Boston, Mass. Autographic register. 2,586,175, Feb. 19.

Nyman, John A., Juneau, Alaska. Ventilating attachment for the sweatband of hats or caps. 2,597,367, May 20.

Nyquist, Arthur S.: *See*— Kropa, Edward L., and Nyquist.

Nyquist, Arthur S., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of nonnuclearly sulfonated phenol-formaldehyde resin in beaded form. 2,610,171, Sept. 9.

Nyqvist, Halvar, executor: *See*— Sahlin, Börje, and Jansson.

Nyrop, Johan E., Hellerup, by Copenhagen, Denmark. Drying, concentrating by evaporation, or distilling heat-sensitive substances. 2,585,825, Feb. 12.

Nystrand, Ernst D., assignor to Paper Converting Machine Co., Inc., Green Bay, Wis. Web winding machine. 2,611,552, Sept. 23.

Nystrom, Carl H.: *See*— Berlyn, Martin J., and Nystrom.

Nystrom, Karl F., Nashotah, Wis. Railway car side door. 2,596,918, May 13.

Nystrom, Karl F., Nashotah, Wis. Freight car end construction. 2,609,762, Sept. 9.

Nystrom, Karl T., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Metal covered walls. 2,596,280, May 13.

Nystrom, Karl T., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Hatch plug. 2,607,302, Aug. 19.

Nystrom, Karl T., Chicago, Ill., and A. L. Thompson, Munster, Ind., assignors to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler support and positioning device. 2,588,654, Mar. 11.

Nyyssonen, Einard, Watertown, Mass., and A. C. Hughes, Jr., Puente, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Latitude-longitude counter. 2,605,047, July 29.

O P W Corporation, assignee: *See*— Duerr, Leonard H.

O. & S. Bearing Company, assignee: *See*— Kogstrom, Axel W. Sculley, Samuel McC.

Oak Mfg. Co., assignee: *See*— Albrecht, Albert W. English, Robert R. English, Robert R., and Cappelle. Mastney, Edward J. Ten Cate, Arthur C.

Oakes, Clyde N., Boonville, N. C. Stalk cutter. 2,601,751, July 1.

Oakes, E. T., Corporation, assignee: *See*— Oakes, Earle T.

Oakes, Earle D., Drexel Hill, assignor to A. Lewy, Philadelphia, Pa. Folding and stacking chair. 2,587,881, Mar. 4.

Oakes, Earle T., assignor to E. T. Oakes Corporation, Douglaston, N. Y. Making marshmallow. 2,600,569, June 17.

Oakhill, Frederic E., Wilmette, assignor to Prismacolor Pictures, Inc., Chicago, Ill. Three color television system. 2,586,558, Feb. 19.

Oakite Products, Inc., assignee: *See*— Johnson, Le Baron B., and Geh.

Oakley, Gilbert F., assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading tie fastener. 2,587,882, Mar. 4.

Oakley, Henry B.: *See*— Wilson, Arthur D., Oakley, and Rourke.

Oates, Charles E.: *See*— Feeney, Thomas A., Oates, and Vogel.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Conveying apparatus for beheaded fish. 2,585,267, Feb. 12.

Obenchain, Leo B., Branford, Conn. Awning for trailers. 2,583,663, Jan. 29.

Ober, Roy A., Akron, Ohio. Toothbrush and antiseptic holder. 2,584,042, Jan. 29.

Ober, Roy, assignor to Robbins & Myers, Inc., Springfield, Ohio. Plural voltage motor. 2,613,343, Oct. 7.

Oberbeck, August L., and D. V. Mason, Jefferson City, Mo. Fish lure. 2,589,117, Mar. 11.

Oberdoerster, Clarence J.: *See*— MacMeans, Marshall H., and Oberdoerster.

Oberg, Charles R., San Diego, Calif. Spring winding apparatus. 2,592,590, Apr. 15.

Oberheim, Earnest F.: *See*— Silverman, Henry S., Raffer, and Oberheim.

Oberholtz, Anthony, assignee: *See*— Roper, Perry R.

Oberholtzer, John M.: *See*— Beachler, Robert R., Jr., and Oberholtzer.

Oberlin, Lyman M.: *See*— De Boisblanc, Deslonde R., and Oberlin.

Oberlin, Lyman M., Dewey, Okla., assignor to Phillips Petroleum Company. Computer for solving simultaneous equations. 2,584,809, Feb. 5.

Oberlin, Ralph E., Sr., assignor to Igelstroem-Oberlin, Inc., Massillon, Ohio. Steering wheel cover. 2,601,881, July 1.

Oberlink, Dwight R., Michigan City, Ind., and W. C. Fredericks, Evanston, assignors to Standard Oil Company, Chicago, Ill. Heavy duty lubricant. 2,607,733, Aug. 19.

Oberly, Louis A.: *See*— Koster, Frederick W., and Oberly.

Oberly, Louis A., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for processing filamentary materials. 2,584,043, Jan. 29.

Obermaier, Alfred A., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Photoelectric measurement translating means. 2,604,528, July 22.

Obermaier, Alfred A., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Apparatus for measuring vapor content of gas. 2,621,297, Dec. 9.

Obermaier, Frank E., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Mixing valve. 2,620,133, Dec. 2.

Obermaier, Frank E., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Fluid mixing valve. 2,620,134, Dec. 2.

Obermaier, Frank E., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Pilot operated diaphragm valve. 2,623,542, Dec. 30.

Oberman, Roelof M. M., The Hague, Netherlands. Selecting system. 2,582,349, Jan. 15.

Oberman, Roelof M. M., The Hague, Netherlands. Zero voltage identification device for selector positioning. 2,584,153, Feb. 5.

Oberman, Roelof M. M., The Hague, Netherlands. Signaling system with private branch exchange subscriber. 2,598,822, June 3.

Oberman, Roelof M. M., The Hague, Netherlands. Telegraph exchange for lines with simplex or duplex characteristics. 2,599,344, June 3.

Oberman, Roelof M. M., The Hague, Netherlands. Line adapting telegraph repeater. 2,602,117, July 1.

Oberman, Roelof M. M., The Hague, Netherlands. Relay circuit with a number of counting relays for recording a number of closures made by an impulse contact. 2,606,236, Aug. 5.

Oberman, Roelof M. M., The Hague, Netherlands. Signaling system for telegraph links. 2,606,251, Aug. 5.

Oberman, Roelof M. M., The Hague, Netherlands. Automatic telegraph system controlled from the teleprinter keyboard. 2,608,615, Aug. 26.

Oberman, Roelof M. M., The Hague, Netherlands. Signaling system. 2,611,815, Sept. 23.

Oberman, Roelof M. M., The Hague, Netherlands. Combined line finder final selector circuit. 2,612,564, Sept. 30.

Oberman, Roelof M. M., and A. Snijders, The Hague, Netherlands. Regenerative repeater. 2,599,345, June 3.

Oberman, Roelof M. M., and A. Snijders, The Hague, Netherlands. Signaling system. 2,622,141, Dec. 16.

Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Organic phosphorus ester-P_2S_5 reaction products and oil compositions containing the same. 2,589,326, Mar. 18.

Obert, Charles F., Detroit, Mich. Ironing board rail. 2,590,030, Mar. 18.

Obert, Leonard, Silver Spring, and W. I. Duvall, Greenbelt, Md. Device for measuring the change of strain in a solid medium. 2,599,578, June 10.

Obitz, Samuel A., assignor to Pittsburgh Waterproof Company, Pittsburgh, Pa. Ironer roll and pad with heat-reflecting sheet applied thereto. 2,608,749, Sept. 2.

Obitz, Samuel A., assignor to Pittsburgh Waterproof Company, Pittsburgh, Pa. Covering an ironing roll. 2,621,141, Dec. 9.

Oblinger, Edwin: *See*— Osborne, Frank M., and Oblinger.

Oblinger, William F., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp printing device. 2,584,908, Feb. 5.

Oblusteel, David, Buffalo, N. Y. Bootjack. 2,603,393, July 15.

Obodzinski, Anton, Chicago, Ill. Merchandise vending machine. 2,614,673, Oct. 21.

Oborn, Eugene T.: *See*—
Glantz, Omar J., and Oborn.

Oborski, Adolph J., Chicago, Ill. Device for visual inspection of metallic balls. 2,608,307, Aug. 26.

O'Boyle, Charles M., assignee: *See*—
Loveland, Roy B.

Obram, Nicolas, Liege, Belgium. Auto cycle and like power assisted vehicle and motor for such vehicle. 2,586,702, Feb. 19.

O'Brien, Brian, Jr., Easton, Pa., and C. M. Flint, Chappaqua, assignors to Research Corporation, New York, N. Y. Inspection device for determining height of dots on engraved plates. 2,619,004, Nov. 25.

O'Brien, Clayton W.: *See*—
Conzelman, John E., Jr., Ellis, and O'Brien.

O'Brien, Edward A., Redondo Beach, Calif., assignor to North American Aviation, Inc. Retractable flap support. 2,591,000, Apr. 1.

O'Brien, Edward J., San Francisco, Calif. Body attached rearview mirror support with light. 2,598,291, May 27.

O'Brien, Elmer J.: *See*—
Feltl, William J., and O'Brien.

O'Brien, Francis M., St. Petersburg, Fla. Thread nipper. 2,597,519, May 20.

O'Brien, Hugh B., Beckley, W. Va. Vehicle signal. 2,593,337, Apr. 15.

O'Brien, James H., assignor to Packard Motor Car Company, Detroit, Mich. Rotary pump. 2,588,032, Mar. 4.

O'Brien, James H., assignor to Packard Motor Car Company, Detroit, Mich. Fluid pump. 2,601,829, July 1.

O'Brien, James J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Preparing improved sulfidic pigments. 2,605,167, July 29.

O'Brien, John C., and H. C. Sibley, Jr., assignors to General Railway Signal Company, Rochester, N. Y. Radio communication system. 2,588,031, Mar. 4.

O'Brien, John V., Park Ridge, Ill. Apparatus for cleaning pipes or drains. 2,610,807, Sept. 16.

O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical relay and solenoid mechanism. 2,595,285, May 6.

O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Snap disk spring. 2,604,316, July 22.

O'Brien, Joseph W., Los Angeles, Calif. Electric food warmer. 2,616,021, Oct. 28.

O'Brien, Logan M., Los Angeles, Calif. Oscillator hydraulic head. 2,596,281, May 13.

O'Brien, Luella C., Represa, Calif. Pinless diaper. 2,620,798, Dec. 9.

O'Brien, Tennyson T., Houston, Tex. Saucer having cup elevating means. 2,621,496, Dec. 16.

O'Brien, Vincent R., St. Paul, Minn. Kitchen cabinet incinerator. 2,598,067, May 27.

O'Brien, William C., Baltimore, Md. Supporting stand for telephones and lamps. 2,615,098, Oct. 21.

O'Brien, William J.: *See*—
Schwarz, Harvey F., and O'Brien.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio beacon system. 2,582,350, Jan. 15.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Automatic volume control circuits. 2,597,520, May 20.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Area identification system. 2,598,290, May 27.

O'Brien, William J., London, England, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Gas tube. 2,620,460, Dec. 2.

O'Brien, William J., Waterbury, assignor to The Seamless Rubber Company, New Haven, Conn. Sandblasting. 2,617,225, Nov. 11.

Ocaña, Manuel M., assignor to Sociedad Anónima de Aplicaciones Sanitarias, Madrid, Spain. Rectangular bath fixture. 2,589,280, Mar. 18.

Ocaña, Manuel M., assignor to Sociedad Anónima de Aplicaciones Sanitarias, Madrid, Spain. Combined shower bath, foot bath, and bidet apparatus. 2,589,281, Mar. 18.

Ocaña, Manuel M., assignor to Sociedad Anónima de Aplicaciones Sanitarias, Madrid, Spain. Multipurpose bath apparatus. 2,589,592, Mar. 18.

O'Casey, Thornton E., Honolulu, Territory of Hawaii. Combined can opener and dispenser. 2,581,768, Jan. 8.

Ocean City Mfg. Co., assignee: *See*—
Van Selver, Earl T., W. J., and E. P.

Och, Henry G.: *See*—
Bomberger, David C., Ingerson, and Och.

Ochar, Thomas, Little Falls, N. Y. Self-locking box. 2,610,783, Sept. 16.

Ockenfels, Leo, Watkins, Iowa. Poultry nest. 2,584,909, Feb. 5.

Ockerman, Myron A., Cleveland, Ohio, assignor to United States Steel Company. Cutting indentations in the surface of circular dies. 2,623,438, Dec. 30.

Ockert, Carl E., Chicago, Ill., assignor to Sun Oil Company, Philadelphia, Pa. Furfural recovery. 2,613,174, Oct. 7.

Ockert, Carl E., Wilmington, Del., assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,614,133, Oct. 14.

Oclassen, Charles A., and P. H. Bronnenkant, Kenmore, assignors to Foster-Milburn Company, Buffalo, N. Y. Combined package and applicator. 2,619,087, Nov. 25.

O'Connor, Arthur F., assignee: *See*—
Doherty, Edward T.

O'Connor, Arthur F., assignor to Union Asbestos and Rubber Company, Chicago, Ill. Air impeller for refrigerator cars. 2,604,028, July 22.

O'Connor, Arthur F., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Air impeller for refrigerator cars. 2,605,689, Aug. 5.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Door for refrigerator cars. 2,612,659, Oct. 7.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Door for refrigerator cars. 2,614,294, Oct. 21.

O'Connor, Bernard E.: *See*—
Chisholm, Harry L., Jr., Farrell, and O'Connor.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Rotary hydraulic shock absorber. 2,584,221, Feb. 5.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Auxiliary mass and viscose damping for free and self-excited vibrations. 2,584,222, Feb. 5.

O'Connor, Bernard E., Buffalo, and R. E. Henrich, Kenmore, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Rectilinear fluid shock absorber. 2,589,282, Mar. 18.

O'Connor, Buell, and F. G. Pearce, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Purifying alcohols. 2,587,753, Mar. 4.

O'Connor, David E., Needham, Mass. Fiber spinning method and apparatus. 2,612,654, Oct. 7.

O'Connell, Edmund F., Westmoreland Hills, Md. Ventilating apparatus. 2,592,174, Apr. 8.

O'Connor, Frank, New York, N. Y. Electric current generator. 2,583,589, Jan. 29.

O'Connor, James D., Johnstown, Pa. Furnace door. 2,617,372, Nov. 11.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Latching device for lockers. 2,595,473, May 6.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Metal folding chair. 2,607,399, Aug. 19.

O'Connor, John B., assignor to Illinois Tool Works, Chicago, Ill. Reinforcing clip. 2,601,125, June 17.

O'Connor, John B., Evanston, assignor to Illinois Tool Works, Chicago, Ill. Fastener. 2,595,095, Apr. 29.

O'Connor, Joseph H., Chicago, Ill. Clamping fixture with pressure means in right angularly related planes. 2,606,583, Aug. 12.

O'Connor, Robert J.: *See*—
Emerson, Howard J., O'Connor, and Emery.

O'Connor, Robert J., Kansas City, Mo. Reciprocable windshield wiper blade mounting. 2,591,091, Apr. 1.

O'Connor, Ward J. F., and F. A. Rowen, Jr., Bayonne, N. J., assignors to The Lummus Company, New York, N. Y. Heater control. 2,618,668, Nov. 18.

O'Connor, Ward J. F., and F. A. Rowen, Jr., Bayonne, N. J., assignors to The Lummus Company, New York, N. Y. Control system for hydraulic apparatus. 2,619,037, Nov. 25.

Oday, Arthur B., Cleveland Heights, and A. C. Barr, Shaker Heights, Ohio, assignors to General Electric Company. Movable contact base. 2,597,666, May 20.

Odberg, John A. B.: *See*—
Ståhed, John L., and Odberg.

Oddo, Vincent J., Jr., Providence, R. I. Mouthpiece. 2,590,118, Mar. 25.

O'Dell, James W., Pittsburgh, Pa. Snowball gun. 2,607,333, Aug. 19.

Odell, Louis E., assignor to Dearborn Chemical Company, Chicago, Ill. Protecting color chart in determination of chromate concentrations. 2,605,164, July 29.

Odell, Malcolm P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic starting system for internal-combustion engines. 2,592,945, Apr. 15.

O'Dell, Thomas, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Permanent dunnage. 2,593,174, Apr. 15.

Odell, William W., Elizabeth, N. J., assignor to Standard Oil Development Company. Removal of oxidizable sulfur compounds from a hydrocarbon gas mixture. 2,581,135, Jan. 1.

Odell, William W., New York, N. Y. Manufacture of combustible gas. 2,592,591, Apr. 15.

Odell, William W., New York, N. Y., assignor to Standard Oil Development Company. Regeneration of fluidized iron oxide catalyst. 2,620,313, Dec. 2.

Odell, William W., Washington, D. C., assignor to Standard Oil Development Company. Apparatus for contacting solids and gases. 2,581,134, Jan. 1.

Odell, William W., Washington, D. C., assignor to Standard Oil Development Company. Shale distillation. 2,586,703, Feb. 19.

Odell, William W., Washington, D. C. Promoting endothermic reactions at elevated temperatures. 2,602,019, July 1.

Odell, William W., Washington, D. C., and G. L. Matheson, Union, N. J., assignors to Standard Oil Development Company. Carbonization of carbonizable solids. 2,595,365, May 6.

Odell, William W., Washington, D. C., and G. L. Matheson, Union, N. J., assignors to Standard Oil Development Company. Processing carbonaceous solids. 2,595,366, May 6.

Odén, Gösta K., Nybro, Sweden. Foldable reclining chair. 2,591,284, Apr. 1.

Odevsell, Alec S., assignor to Beech Aircraft Corporation, Wichita, Kans. Controllable pitch propeller spaced bearing assembly. 2,618,348, Nov. 18.

Odin Corporation, assignee: *See*—
Bulliet, Leander J.
Peterson, Gustaf J., and Smith.
Svenson, Ernest J.

Odin, Eugene A., Chicago, Ill. Adjustable block. 2,580,585, Jan. 1.

Ödman, Tor A.: *See*—
Åhlén, Karl G., and Ödman.

Odneal, Nova G., Turlock, Calif. Frog gaff. 2,616,753, Nov. 4.

Odom, Earl R., Altadena, and H. T. Lannen, assignors to Air Line Engineering Corporation, Pasadena, Calif. Fruit juice extraction. 2,598,418, May 27.

O'Donnell, Charles, Rockaway Beach, N. Y. Paint applicator. 2,601,692, July 1.

O'Donnell, Terrence C., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Combined check valve and strainer. 2,598,131, May 27.

Odor, Ralph K., Fisher Hills, Edmons, Okla. Garment hanger. 2,622,773, Dec. 23.

Odquist, Harold T., Yonkers, N. Y., and E. W. Macoy, Old Greenwich, Conn., assignors to American Can Company, New York, N. Y. Machine for electrically sealing fiber containers. 2,585,031, Feb. 12.

Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Material-handling means. 2,608,283, Aug. 26.

Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Material-handling mechanism. 2,612,980, Oct. 7.

Oehler, William P.: *See*—
White, Charles H., and Oehler.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Speed responsive device for planters. 2,581,286, Jan. 1.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Covering means for planting attachments. 2,582,503, Jan. 15.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Disk harrow angling arm. 2,614,377, Oct. 21.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Disk gang biasing means. 2,610,454, Sept. 16.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Offset disk harrow. 2,610,455, Sept. 16.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Furrowing attachment. 2,621,983, Dec. 16.

Oerman, Orey W.: *See*—
Silver, Walter H., and Oerman.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Adjustable hitch for two-way plows or the like. 2,620,718, Dec. 9.

Oertlin, Walter M., Chickasaw, Ala. Memorial marker. 2,623,616, Dec. 30.

Oestenstad, Riedar, Jr.: *See*—
Tjaden, Freddia R., and Oestenstad.

Oesting, Ralph B., Lake Bluff, Ill., assignor to Paul-Lewis Laboratories, Inc., Milwaukee, Wis. Removing adhesive with an adhesive destructive compound. 2,607,359, Aug. 19.

Oestmes, Victor L., Westfield, assignor to American Gas Accumulator Company, Elizabeth, N. J. High-intensity lighting unit. 2,588,154, Mar. 4.

Oestreicher, Leonard, New York, N. Y. Apparatus for projecting strip films and related cabinet structures. 2,608,126, Aug. 26

Oestreicher, Sol, assignor to Harnischefeger Corporation, Milwaukee, Wis. Low open circuit voltage alternating current welding circuit. 2,617,913, Nov. 11.

Oetiker, Hans, Horgen, Switzerland. Punching machine. 2,589,849, Mar. 18.

Oetiker, Hans, Horgen, Switzerland. Hose clip. 2,614,304, Oct. 21.

Oettinger, Henry, Jr., Forest Hills, assignor to Electrographic Corporation, New York, N. Y. Making mortised printing plates. 2,596,715, May 13.

O'Farrell, Elgin G., Whittemore, Mich., assignor to National Gypsum Company, Buffalo, N. Y. Apparatus for continuously delivering plastic cementitious material to a moving molding surface. 2,614,757, Oct. 21.

O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Line oiler. 2,604,189, July 22.

O'Farrell, Matthew, Detroit, Mich, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Distributing valve for percussive tools. 2,609,792, Sept. 9.

Ofeldt, Frank W., Carnot, assignor to W. D. Carothers, Allegheny County, Pa. Doorstop. 2,602,201, July 8.

Ofeldt, Frank W., Carnot, assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Spray generator. 2,605,137, July 29.

Offen, Bernard, Chicago, Ill. Apparatus for chilling webs. 2,593,595, Apr. 22.

Offen, Bernard, Chicago, Ill. Chilling roll. 2,599,346, June 3.

"Office National d'Etudes et de Recherches Aeronautiques" (O. N. E. R. A.), assignee: *See*—
Bouzitat, Jean, and Perilhou.
Kahan, Theodore.
Lehmann, Gerard.
Perilhou, Pierre A.
Richard, Gilbert.
Rivière, Henri.
Zakheim, Jacques.

Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
King, Ronold W. P.
Saunders, Norman B.
Volkmann, John.

Officine Moncenisio, gia An. Bauchiero, assignee: *See*—
Camnasio, Carlo, Venturelli, and Colalupo.

Offutt, John W., Ellwood City, Pa., assignor to United States Steel Company. Drawbench. 2,598,190, May 27.

Oftebro, William S., and W. E. Fleming, Stockton, Calif. Automobile air conditioner for drive-in theaters. 2,588,756, Mar. 11.

Oftedahl, John, Antioch, Ill. Stopper pull. 2,582,269, Jan. 15.

Oftedal, Lars, Oslo, Norway. Exhaust system for grinding wheels and the like. 2,618,916, Nov. 25.

Ofverholm, Håkan, Vasteras, and H. Forssell, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rectifier connection. 2,588,155, Mar. 4.

O'Gatty, James A., Los Angeles, Calif. Combination razor and hair trimmer. 2,588,033, Mar. 4.

Ogawa, Kazuhiko: *See*—
Iwase, Keizo, and Ogawa.

Ogawa, Tetsuwo, Kawasaki, Kanagawa Prefecture, assignor to Ajinomoto Kabushiki Kaisha, Tokyo, Japan. Manufacturing method of solid L-mono-sodium glutamate monohydrate. 2,584,731, Feb. 5.

Ogden, Albert B., Franklin, Pa., R. A. Butcosk, Jackson Heights, N. Y., and R. C. Williams, Franklin, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of block grease. 2,588,326, Mar. 4.

Ogden, Floyd H., Arlington, Mass. Detachable shoe sole. 2,595,694, May 6.

Ogden, Horace R.: *See*—
Jaffee, Robert I., and Ogden.
Jaffee, Robert I., Ogden and Maykuth.

Ogden, Hubert S., Los Angeles, Calif., assignor to New Process Confection and Beverage Corporation, Dallas, Tex. Ice-cream making machine. 2,622,411, Dec. 23.

Ogden Iron Works Co., assignee: *See*—
Silver, James W. and J. M.

Ogden, William L. W.: *See*—
Hauck, Vernon D., Ogden and Cosby.

Ogg, Leon L., assignor of one-third to J. A. Loudon and one-third to P. A. Luddington, Creston, Iowa. Paper holder for making photographic enlargements. 2,599,859, June 10.

Ogilvie, Alexander: *See*—
Procter, John T., and Ogilvie.

Ogilvie, Frank R., Glendora, assignor to Engine Life Products Corporation, El Monte, Calif. Oil filter. 2,605,904, Aug. 5.

Ogilvie, James, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. 2,3,5,6, tetramethyl anilino anthraquinones and making the same. 2,596,820, May 13.

Ogilvy, Robert C., assignor to The Leece-Neville Company, Cleveland, Ohio. Alternator and rectifier mounting. 2,588,156, Mar. 4.

Ogle Construction Co., assignee: *See*—
Bledsoe, Carl L.

Ogle, Hugh M.: *See*—
Edwards, Martin A., Garr, and Ogle.

Ogle, Hugh M., Schenectady, N. Y., assignor to General Electric Company. Voltage regulator. 2,615,155, Oct. 21.

Ogle, Hugh M., Schenectady, N. Y., assignor to General Electric Company. Saturable reactor apparatus. 2,617,090, Nov. 4.

Ogle, Kathleen B., assignee: *See*—
Buckley, John L. and L. G.

Ogle, Luther C., Holly Hill, Fla. Cigarette lighter filler unit. 2,610,766, Sept. 16.

Ogle, Robert W., Pasadena, Calif. Injector. 2,589,426, Mar. 18.

O'Gorman, William F., New York, assignor to Adolite Mfg., Inc., Flushing, N. Y. Moving sign. 2,608,778, Sept. 2.

Ogorzaly, Henry J.: *See*—
Bradley, John M., and Ogorzaly.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Controlling the temperature of exothermic reactions such as the gasification of carbonaceous solids. 2,591,595, Apr. 1.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Contacting solid particles with gaseous fluids. 2,593,338, Apr. 15.
Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Separation of low boiling gas mixtures. 2,622,416, Dec. 23.
Ogorzaly, Henry J., Summit, and W. A. Rex, Westfield, N. J., assignors to Standard Oil Development Company, Utilization of heat of finely divided solids. 2,581,041, Jan. 1.
Ogorzaly, Henry J., Summit, and W. A. Rex, Westfield, N. J., assignors to Standard Oil Development Company, Feeding subdivided solids. 2,613,832, Oct. 14.
Ogorzaly, Henry J., Summit, and W. A. Rex, Westfield, N. J., assignors to Standard Oil Development Company, Transfer of heat to fluidized solids bed. 2,619,451, Nov. 25.
O'Grady, Austin P. J., Lindfield, near Sydney, New South Wales, Australia. Inhalant preparation. 2,598,823, June 3.
O'Grady, Joseph V., West Caldwell, assignor to Syncro Machine Company, Perth Amboy, N. J. Wire annealing machine. 2,589,283, Mar. 18.
O'Hagan, Bernard E., deceased, late of Swissvale, Pa., by C. O'Hagan, administratrix, and P. N. Martin, Penn Township, Allegheny County, Pa., assignors to Westinghouse Air Brake Company. Railway train describer. 2,581,552, Jan. 8.
O'Hagan, Clare, administratrix: *See*—
O'Hagan, Bernard E., and Martin.
O'Halloran, Rosemary, Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating composition. 2,588,279, Mar. 4.
O'Halloran, Rosemary, Elizabeth, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,588,280, Mar. 4.
O'Halloran, William F., Greensburg, Pa. Automatic typewriter. 2,605,879, Aug. 5.
Ohanian, John, Binghamton, N. Y. Device for cutting designs in frankfurters. 2,615,196, Oct. 28.
O'Hara, Jack B., assignor to Hall Brothers, Inc., Kansas City, Mo. Animated greeting card. 2,604,729, July 29.
O'Hare, Lyle A., Pollock Pines, Calif. Combined ball and cap. 2,621,334, Dec. 16.
O'Harrow, Charles T.: *See*—
Strehlow, Walter F., O'Harrow, and Johansen.
Strehlow, Walter F., O'Harrow, and Park.
O'Hear, William J., assignee: *See*—
Kee, Charles L.
O'Hearn, George E., Jr., and H. D. Hach, Gardner, Mass. Door or closure. 2,598,419, May 27.
Ohio Boxboard Company, The, assignee: *See*—
Hickin, Robert J.
Hickin, Robert J., and Steele.
Ohio Brass Company, The, assignee: *See*—
Bovard, William P.
Clark, William F.
Donaldson, Raymond W.
Donaldson, Raymond W., and Lewis.
Johnson, Carl G. A., Jr.
Kalb, John W.
Larsson, Ernst A.
Lewis, Warren J.
Mead, George A.
Ohio Crankshaft Company, The, assignee: *See*—
Body, Alfred C.
Cachat, John F.
Collyer, Leonard C.
Denneen, Francis S.
Denneen, Francis S., and Dunn.
Dunn, William C.
Herbenar, Anton W.
Nebesar, George C., and Cummer.
Riddell, Donald W.
Strickland, Harold A., Jr., and Riddell.
Williamson, James W.
Ohio Plate Glass Company, assignee: *See*—
McGraw, Leslie D., Faust, and Mueller.
Ohio Rubber Company, The, assignee: *See*—
Dice, William M., Jr.
Grover, Anthony P.
Meyers, George L., and Shutt.
Ohio State University Research Foundation, The, assignee: *See*—
Bole, George A.
Gaver, Kenneth M.
Gaver, Kenneth M., Lasure, and Thomas.
Gaver, Kenneth M., Lasure, and Tieszen.
Newman, Melvin S.
Newman, Melvin S., and Swaminathan.
Wolfram, Melville L., and Olin.
Ohio Thermometer Company, The, assignee: *See*—
Osborne, Frank M., and Oblinger.
Ohio Thermometer Co., Inc., The, assignee: *See*—
Wappner, Ralph C.
Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polishing means and method. 2,606,405, Aug. 12.
Ohlen-Bishop Manufacturing Company, assignee: *See*—
Hull, Henry E.
Ohlis, Julius J., assignee: *See*—
Meyers, Morris.
Ohls, Robert L., Houston, Tex. Valve assembly. 2,599,774, June 10.
Ohlsson, Folke, Malmo, assignor to Kocks Snickerifabriker Aktiebolag, Trelleborg, Sweden. Lateral moving table leg fastener. 2,611,672, Sept. 23.
Öhlund, John A. I.: *See*—
Bergman, Sven G., and Öhlund.
Öhlund, John A. I., and S. G. Berkman, Linkoping, assignors to T. E. Ullman, Helgo, Helgevarma, Sweden. Trolling spoon. 2,594,981, Apr. 29.
Ohlwiler, Clarence H., Southbridge, Mass. Dissolving soluble solids in liquids. 2,584,910, Feb. 5.
Ohman, Carl L., Vancouver, British Columbia, Canada. Pliers. 2,612,806, Oct. 7.
Ohman, Idalu S., Cloquet, Minn. Cuticle pusher. 2,615,453, Oct. 28.
Ohman, John: *See*—
Roth, Wilfred, and Ohman.
Ohmega Laboratories, assignee: *See*—
Foster, Harry R., and Crump.
Ohmer Corporation, assignee: *See*—
Yackley, Edward G., Young, and Kunz.
Ohmstede Machine Works, assignee: *See*—
Ohmstede, Robert L.
Ohmstede, Robert L., assignor to Ohmstede Machine Works, Beaumont, Tex. Tube cutting machine. 2,592,946, Apr. 15.
Ohrt, Herbert B., Toronto, Ontario, Canada. Waxer and polisher. 2,618,798, Nov. 25.
Ohsol, Ernest O.: *See*—
Catterall, William E., and Ohsol.
Oil Base, Inc., assignee: *See*—
Wilson, Doyne L.
Oil Center Tool Company, assignee: *See*—
Eckel, John E.
Eckel, John E., and Richard.
Oilgear Company, The, assignee: *See*—
Douglas, James K.
Ferris, Walter.
Wiedmann, Ernst.
Oishei, John R., Buffalo, N. Y. Windshield cleaner. 2,608,707, Sept. 2.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,613,387, Oct. 14.
Oishei, John R., Buffalo, and R. Deibel, East Aurora, assignors to Trico Products Corporation, Buffalo, N. Y. Motor. 2,613,121, Oct. 7.
Oishei, John R., Buffalo, and A. Rappl, Eggertsville, assignors to Trico Products Corporation, Buffalo, N. Y. Window operator. 2,619,939, Dec. 2.
Okamuro, Asaka J., assignor to Atlas Press Company, Kalamazoo, Mich. Adjustable fence for machine tools. 2,619,998, Dec. 2.
O'Kane, Le Roy T. D., Pittsburgh, Pa. Perpetual calendar.. 2,584,810, Feb. 5.
O'Kelley, John W., Owens Wells, Miss. Adjustable vehicle carrier for portable sawmills or the like. 2,621,055, Dec. 9.
O'Kelley, Loren W., Porterville, Calif. Pumping apparatus. 2,614,496, Oct. 21.
O'Kelly, William S.: *See*—
Crankshaw, John H., and O'Kelly.
Okey, Perry, assignor to General Lens Co., Columbus, Ohio. Machine for use in producing one-piece multifocal ophthalmic lens blanks. 2,597,022, May 20.
Oklejas, Eli, Bolles Harbor, Mich. Self-unloading conveyer body. 2,609,115, Sept. 2.
Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.
Okonski, Alexander D., Chicago, Ill. Fingernail guard. 2,591,092, Apr. 1.
Okun, Jack, assignor of one-half to J. Velick, Chicago, Ill. Adjustable armrest. 2,584,732, Feb. 5.
Okun, Nathaniel N., Far Rockaway, assignor to Atlas Floor Surfacing Machinery Corp., New York, N. Y. Rotary brush with liquid receiving and feeding chamber. 2,591,093, Apr. 1.
Olaer Marine, assignee: *See*—
Audemar, Pierre G. J. M.
Audemar, Pierre G. J. M., and Gerard.
Olah, George, assignor to Precision Developments Company Limited, London, England. Variable resistance. 2,594,796, Apr. 29.
Olander, Karl E.: *See*—
Redin, Eric G., Olander, and Johansson.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,596,282, May 13.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,603,479, July 15.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction snubber for railway car trucks. 2,606,018, Aug. 5.
O'Laughlin, Thomas J., Boston, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Presser foot mechanism for sewing machines. 2,600,424, June 17.
Olcott, Charles A., West Milford, N. J. Heated mixing apparatus. 2,616,669, Nov. 4.
Olcott, Harold S.: *See*—
Van Atta, George R., Kester, and Olcott.

Olcott, James D.: *See*—
Hoffman, Allan C., Geddes, and Olcott.
Old, Bruce S., Concord, Mass., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Operating blast furnaces. 2,602,027, July 1.
Oldal, Frank, Yonkers, N. Y. Key retaining buckle. 2,597,170, May 20.
Olday, Fred L., Scranton, assignor to Olday Fur Machine Co. Inc., Philadelphia, Pa. Fur sewing machine. 2,588,281, Mar. 4.
Olday Fur Machine Co. Inc., assignee: *See*—
Olday, Fred L.
Olden, Roger G., Princeton, N. J., assignor to Radio Corporation of America. Splashproof paper moistener. 2,594,486, Apr. 29.
Oldfather, Charles L., Seattle, Wash. Refrigerated cube grid. 2,606,428, Aug. 12.
Oldham, Anthus D., Harvey, and F. J. Sabia, South Holland, assignors to Whiting Corporation, Harvey, Ill. Tilting mechanism for foundry ladles and the like. 2,582,912, Jan. 15.
Oldham, Ernest, St. Catharines, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich. Attachment for dressing grinding wheels. 2,581,496, Jan. 8.
Oldham, Joseph, New York, N. Y. Garment hanger. 2,622,742, Dec. 23.
Oldham, Samuel R.: *See*—
Hoffman, James A., Oldham, and Jacobsson.
Jacobsson, Wilgot J., Hoffman, and Oldham.
Oldham, Samuel R., West Orange, J. A. Hoffman, Roselle, and W. J. Jacobsson, Plainfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Relief valve. 2,583,664, Jan. 29.
O'Leary, Charles J.: *See*—
Henning, George E., and O'Leary.
O'Leary, Charles M., Los Angeles, Calif. Hydraulic drilling mechanism. 2,582,217, Jan. 15.
O'Leary, Charles M., Los Angeles, Calif. Oil well drilling transmission. 2,588,408, Mar. 11.
O'Leary, Charles M., Detroit, Mich. Automatic well-drilling mechanism. 2,589,118, Mar. 11.
O'Leary, Charles M., Los Angeles, Calif. Transmission for well-drilling machinery. 2,589,119, Mar. 11.
O'Leary, Charles M., Los Angeles, Calif. Power transmitting apparatus. 2,589,120, Mar. 11.
O'Leary, Charles M., Los Angeles, Calif. Automatic drilling machine. 2,589,121, Mar. 11.
O'Leary, Charles M., Los Angeles, Calif. Power-transmitting system for slush pumps or the like. 2,594,064, Apr. 22.
Olesnk, Stephen F., assignee: *See*—
Naughton, Bartley J., Jr.
Olevin, Adolph, New York, N. Y. Can opener. 2,587,201, Feb. 26.
Olier, André J. P., Laure, assignor to Societe Anonyme des Etablissements A. Olier, Clermont-Ferrand, France. Diffusion apparatus. 2,589,568, Mar. 18.
Olin Industries, Inc., assignee: *See*—
Beavis, Rudolph H.
Blair, Emile.
Clarkson, Ralph E.
Emerson, David.
Hancox, Robert R., Tuer, and Stutzman.
Holmes, Raymond S.
Larsson, George E.
Martinez, John M.
Nelson, John A.
O'Neill, John J., Jr.
O'Neill, John J., Jr., and Reichardt.
Sefried, Harry H., II.
Wehrle, Joseph J., Niehouse, and Burtle.
Williams, David M.
Olin, Stephano M.: *See*—
Wolfram, Melville L., and Olin.
Oliver, Abe H., Azusa, Calif. Tool chest. 2,611,479, Sept. 23.
Oliver, Bernard M.: *See*—
Marmont, George H., and Oliver.
Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Image dissector tube. 2,580,697, Jan. 1.
Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vertical sweep synchronizing circuit. 2,601,415, June 24.
Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse echo distance indicator. 2,591,856, Apr. 8.
Oliver, Conrad J., Waukegan, and J. Kupski, assignors to The Chicago Hardware Foundry Company, North Chicago, Ill. Fastening means for telescoping tubular members. 2,584,283, Feb. 5.
Oliver Corporation, The, assignee: *See*—
Altgelt, Herman E.
Altgelt, Rudolph J., and Gemberling.
Phelps, Alva W.
Stewart, Milford D.
Oliver, David H.: *See*—
Haertel, Walter G., Oliver, and Smallbeck.
Oliver, Edd C., deceased; G. R. Oliver, executrix, assignor to G. R. Oliver, Adrian, Mich. Wheel contouring device. 2,602,438, July 8.
Oliver, Edward M., and B. F. Malherbe, Denver, Colo., assignors to Homs, Inc. Handle for containers. 2,580,824, Jan. 1.
Oliver, Emerson T., Marblehead, Mass. Coiling device and attachment for drill presses or the like. 2,584,154, Feb. 5.
Oliver, Emerson T., Marblehead, Mass. Device for prying pressed covers off cans. 2,603,991, July 22.
Oliver, Emerson T., Marblehead, Mass. Translating apparatus. 2,618,984, Nov. 25.
Oliver, Genevieve R., executrix, assignee: *See*—
Oliver, Edd C.
Oliver, Henry H., Antlers, Okla., assignor of fifty per cent to I. T. House, East Peoria, Ill. Circular saw jointer. 2,617,317, Nov. 11.
Oliver Instrument Company, assignee: *See*—
Garrison, Clifford L.
Oliver Iron and Steel Corporation, assignee: *See*—
Berry, Frank.
Overly, Charles D.
Oliver, James H., Ballston Spa, N. Y., assignor to General Electric Company. Hammer mill for grinding feed. 2,587,372, Feb. 26.
Oliver, John P., Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preelectrolysis treatment of pickle liquor. 2,583,099, Jan. 22.
Oliver, John P., Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electrolytic cell. 2,583,101, Jan. 22.
Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in transmitting angular movement. 2,618,696, Nov. 18.
Oliver, Norman J.: *See*—
Moyer, Richard C., Oliver, and Rysdon.
Oliver, Norman J., Fall River, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Radio control system receiver. 2,604,518, July 22.
Oliver and Padgett, assignee: *See*—
Scott, James J., Jr.
Oliver, Paul E., assignee: *See*—
Oliver, Paul M.
Oliver, Paul M., East Point, assignor of one-third to W. O. Matthews, Atlanta, Ga., and one-third to P. E. Oliver, Knoxville, Tenn. Garbage loading assembly for trucks. 2,592,324, Apr. 8.
Oliver United Filters Incorporated, assignee: *See*—
Barnebl, August C., and Riker.
Denhard, Harry W.
Fuhrmeister, Charles, Jr.
Robison, Clinton S., Jr.
Oliver, Walter E., Quincy, Mass. Punching mechanism for paper webs. 2,604,167, July 22.
Oliver, Wilbur C., assignor to Adel Precision Products Corp., Burbank, Calif. Hydraulically controlled artificial leg. 2,605,474, Aug. 5.
Oliverl, Andrew A., New York, N. Y. Emergency wheel. 2,617,689 Nov. 11.
Oliverl, Anthony M., Chicago, assignor to General Cement Mfg. Co., Rockford, Ill. Gripping tool. 2,607,620, Aug. 19.
Olivieri, Oswald E.: *See*—
Koebel, Frank E., and Olivieri.
Oliveros, Reginald P., Williston Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Blue gas set. 2,582,847, Jan. 15.
Ollagnon, Paul, Saint-Etienne, France. Folding device for carriages, applicable in particular to perambulators. 2,582,152, Jan. 8.
Olleo, R., & Sons Machine Company, assignee: *See*—
Olleo, Ralph, Sr.
Olleo, Ralph, Sr., Flushing, N. Y., assignor to R. Olleo & Sons Machine Company. Sewing machine. 2,603,173, July 15.
Olliver, Mamie: *See*—
Baker, George L., and Olliver.
Olivier, Oliver M., McKees Rocks, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Two-part axial spacer for transformer windings. 2,622,135, Dec. 16.
Olmstead, Samuel E., New York, N. Y. Push and pull exercising device. 2,621,043, Dec. 9.
Olmsted, Roger W.: *See*—
Reemelin, Wallace M., and Olmsted.
Olofsson, Gustav A., and L. N. Chubb, assignors to Olofsson Tool & Die Company, Lansing, Mich. Weighing machine. 2,681,695, Jan. 8.
Olofsson Tool & Die Company, assignee: *See*—
Olofsson, Gustav A., and Chubb.
O'Loughlin, Charles E. A., St. Paul, Minn. Scale lifter. 2,615,195, Oct. 28.
Olpe, Werner G., Jamaica, N. Y. Garment hanger. 2,591,001, Apr. 1.
Olpin, Henry C., and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing cellulose derivative textile material by impregnating it with a swelling solution containing urea and an esterified leuco vat dye and subsequently steaming twice. 2,614,023, Oct. 14.

Olpin, Henry C., and D. L. Bell, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing cellulose acetate fibers in a mixed acetate-nylon fabric using an aqueous solution of an acid dye, ethyl alcohol, acetic acid, and either sodium or ammonium thiocyanate. 2,615,781, Oct. 28.

Olschwang, Morris J., New York, N. Y. Dial indicator. 2,619,793, Dec. 2.

Olsen, Burron A., Oakland, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Looped pile rug. 2,584,493, Feb. 5.

Olsen, C. A., Manufacturing Company, The, assignee: *See*—
Downe, Edward R.

Olsen, Edward F., Hillman, Mich. Spillproof glass. 2,623,368, Dec. 30.

Olsen, Elmer L., Penney Farms, Fla. Fishing reel. 2,604,272, July 22.

Olsen, Elof F., Brantford, Ontario, Canada. Resilient discharge valve for dispensers operated by pressure of the contents. 2,583,340, Jan. 22.

Olsen, Gene, Corporation, assignee: *See*—
Davis, Robert O.

Olsen, George F., Colton, assignor to California Portland Cement Company, Los Angeles, Calif. Fuel burner. 2,616,488, Nov. 4.

Olsen, Hartvig, Brooklyn, N. Y. Linked slide carrier 2,586,176, Feb. 19.

Olsen, Johannes M., Slagelse, Denmark. Clothes pin. 2,591,596, Apr. 1.

Olsen, John L., Upland, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,585,490, Feb. 12.

Olsen, John L., Upland, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,585,491, Feb. 12.

Olsen, John L., Upland, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,585,492, Feb. 12.

Olsen, Karl M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetric electrical conducting device. 2,583,008, Jan. 22.

Olsen, Karl M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetric electrical conducting device. 2,583,009, Jan. 22.

Olsen, Marvin R.: *See*—
Packer, Charles S., and Olsen.

Olsen, Paul, Los Angeles, Calif. Game board and multiple elements therefor. 2,585,268, Feb. 12.

Olsen, Robert T., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Carbamate-quaternary ammonium compounds and their preparation. 2,585,826, Feb. 12.

Olsen, Thomas S., Pleasantville, assignor to General Baking Company, New York, N. Y. Package and enclosed tray thereof. 2,588,409, Mar. 11.

Olsen, William D., Chicago, Ill. Interlocking shingle. 2,601,823, July 1.

Olso, Alton M., Seattle, Wash. Magazine rifle. 2,619,876, Dec. 2.

Olson, Albert J., Tarpon Springs, Fla. Shutter blind. 2,617,157, Nov. 11.

Olson, Albert M.: *See*—
Strehlow, Robert W., Olson, and Kaap.

Olson, Albert M., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for the treatment of external surfaces of cans. 2,597,946, May 27.

Olson, Alfred M., assignor of fifty per cent to K. L. Gothard, Morrison, Ill. Tablet dispensing gun. 2,621,655, Dec. 16.

Olson, Alvin E., Kelowna, British Columbia, Canada. Neck yoke. 2,602,575, July 8.

Olson, Andrew, assignor of one-third to F. T. Rohm, and one-third to S. Guzzi, Bridgeport, Conn. Battery terminal connector. 2,589,122, Mar. 11.

Olson, Andrew R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Relief valve. 2,588,157, Mar. 4.

Olson, Arthur A., assignor to Arthur A. Olson & Company, Canfield, Ohio. Direct fired air heating furnace with multiple tube wall heat exchange structure. 2,618,256, Nov. 18.

Olson, Arthur A., & Company, assignee: *See*—
Olson, Arthur A.

Olson, Arthur E., Cupertino, Calif. Fork lift trailer. 2,616,580, Nov. 4.

Olson, Arthur R., Wakefield, E. B. McMillan, Marblehead, and W. H. Davis, III, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Drying leather to ultimate clean condition. 2,586,985, Feb. 26.

Olson, Arthur R., Wakefield, Mass., and E. W. Gelewitz, Evanston, Ill., assignors to United Shoe Machinery Corporation, Flemington, N. J. Cutting pad. 2,611,757, Sept. 23.

Olson, Carl M.: *See*—
Montenyohl, Victor I., and Olson.

Olson, Carl S., and A. P. Bergstrand, assignors to Strombeck-Becker Manufacturing Co., Moline, Ill. Wooden toy train construction. 2,596,957, May 13.

Olson, Christina O. C.: *See*—
Olson, Hans A. and C. O. C.

Olson, Clarence A., assignor of fifty per cent to R. S. Hilliard, Eugene, Oreg. Plastic milk carton holder. 2,600,911, June 17.

Olson, Clifford H., Fargo, N. Dak. Fruit holder. 2,613,984, Oct. 14.

Olson, Earl R., Columbus, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company. Electroconductive article and production thereof. 2,617,742, Nov. 11.

Olson, Elden H.: *See*—
Bynum, George T., Olson, and Wiegand.

Olson, Elmer, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 2,615,694, Oct. 28.

Olson, Ernest W.: *See*—
Swanson, Carl R., Olson, and Armitage.

Olson, Florence A., Janesville, Wis. Collapsible toy building. 2,608,726, Sept. 2.

Olson, Floyd E., Darlington, Wis. Bedspring support. 2,589,123, Mar. 11.

Olson, Gale A., assignor of one-half to J. M. Grzelak, Rockford, Ill. Bottle carrier. 2,606,703, Aug. 12.

Olson, George V., La Crosse, Wis. Circular saw guard. 2,593,596, Apr. 22.

Olson, Gordon L., Arlington, Mass. Speed reducing mechanism. 2,600,912, June 17.

Olson, Hans A. and C. O. C., Chicago, Ill. Automatic coffee brewer and valve structure employed therein. 2,617,352, Nov. 11.

Olson, Harold C., Stillwater, assignor to Malt-A-Plenty, Inc., Tulsa, Okla. Fluid dispensing valve. 2,603,397, July 15.

Olson, Harold T., Baldwin, assignor to Remington Rand Inc., New York, N. Y. Reflector mounting means. 2,623,436, Dec. 30

Olson, Harry E., assignee: *See*—
Gill, Robert L., and Nash.

Olson, Harry L., assignor to Ckola Company, Minneapolis, Minn. Contour gauge. 2,615,256, Oct. 28.

Olson, Harry S., and R. C. Danison, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Transparent, flame-resistant polystyrene. 2,582,452, Jan. 15.

Olson, Henry L., Grand Haven, W. F. Hale, Spring Lake, and R. A. Miller, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Heater for electric toasters. 2,598,592, May 27.

Olson, Henry L., and R. A. Miller, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Color control for electric bread toasters. 2,609,473, Sept. 2.

Olson, Henry L., Grand Haven, and H. J. Freeze, Ferrysburg, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Electric bread toaster. 2,622,505, Dec. 23.

Olson, Herbert H., Jamestown, and M. A. Johnson, Lakewood, assignors to Art Metal Construction Company, Jamestown, N. Y. Filing cabinet drawer. 2,614,019, Oct. 14.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring. 2,591,190, Apr. 1.

Olson, Leonard E.: *See*—
Teter, John W., and Olson.

Olson Manufacturing Company, assignee: *See*—
Lembke, John.

Olson, Mark W.: *See*—
Merck, William A., and Olson.

Olson, Mark W., Allendale, N. J., assignor to United States Rubber Company, New York, N. Y. Extrusion die. 2,581,769, Jan. 8.

Olson, Mark W., Allendale, N. J., assignor to United States Rubber Company, New York, N. Y. Extrusion method and apparatus. 2,620,515, Dec. 9.

Olson, Oscar A., Ames, Iowa. Adjustable head T square. 2,582,649, Jan. 15.

Olson, Ray G., Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind. Alternating current plunger type solenoid. 2,582,351, Jan. 15.

Olson, Raymond A.: *See*—
Langfeld, Daniel Leckey, Olson, and Webb.

Olson, Raymond G., Niles, Ill. Ironing apparatus cover. 2,600,913, June 17.

Olson, Raymond J.: *See*—
Emmert, George W., and Olson.

Olson, Robert D., Fort Wayne, Ind. Spinning top. 2,583,275, Jan. 22.

Olson, Roy H., Marion, Iowa, assignor to Collins Radio Company. Control apparatus. 2,582,270, Jan. 15.

Olson, Thomas A., Houston, Tex. Valve. 2,603,447, July 15.

Olson, Walfred, Stevens Point, Wis. Parcel carrier. 2,608,328, Aug. 26.

Olson, Walter A., Kendall, Fla. Perishable product processing cabinet. 2,584,494, Feb. 5.

Olson, Walter J., Clifton, N. J., assignor to American Brake Shoe Company, New York, N. Y. Grab. 2,615,747, Oct. 28.

Olson, Walter J., Clifton, N. J., assignor to American Brake Shoe Company, New York, N. Y. Grab. 2,615,748, Oct. 28.

Olson, Wilbert E., St. Paul, Minn. Bicycle saddle post. 2,616,734, Nov. 4.

Olson, William A., Wheatland, Mo. Clamshell bucket 2,617,211, Nov. 11.

Olssan, Carl, Bronx, N. Y. Door frame mounting. 2,611,932, Sept. 30.

Olsson, Eugene O., Minneapolis, Minn. Wood core metal-sheathed door. 2,607,960, Aug. 26.

Olsson, Henrik A., Malmo, Sweden. Apparatus for the production of prints. 2,587,883, Mar. 4.

Olsson, Oscar K. J.: *See*—
Vigren, Sten D., Broberg, and Olsson.

Olt, Arthur E.: *See*—
Olt, Philip S., P. E., R. J., and A. E.

Olt, Philip E.: *See*—
Olt, Philip S., P. E., R. J., and A. E.

Olt, Philip S., deceased, P. E., R. J., and A. E. Olt, Pekin, Ill.; P. E., R. J., and A. E. Olt, executors. Goose call. 2,606,400, Aug. 12.

Olt, Richard J.: *See*—
Olt, Philip S., P. E., R. J., and A. E.

Olt, Theodore F., and J. J. Canfield, assignors to Armco Steel Corporation, Middletown, Ohio. Single fire enameling process and article. 2,602,758, July 8.

Olthuis, Jan M., and E. H. Hugenholtz Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic frequency control circuit. 2,624,006, Dec. 30.

Oltz, Howard R., Hammond, Ind. Pane fastener. 2,583,303, Jan. 22.

Oltz, Howard R., and H. J. Fanger, Los Gatos, Calif. Railway spike. 2,614,450, Oct. 21.

Olvey, Hollman B.: *See*—
Olvey, Juell M. and H. B.

Olvey, Juell M. and H. B., East Point, Ga. Apparatus for smoothly rounding tubular can bodies. 2,605,809, Aug. 5.

Olving, Bror G., assignee: *See*—
Hendrickson, Fritz E.

Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,597,023, May 20.

Olympic Manufacturing Corporation, assignee: *See*—
McEachran, Paul R.

O'Mahony, Eugene D., and G. P. Humfeld, Indianapolis, Ind., assignors to Radio Corporation of America. Phonograph record and manufacture. 2,606,851, Aug. 12.

O'Malley, Anthony J., Montclair, N. J. Golf hole simulating device. 2,598,952, Apr. 29.

O'Malley, Donald W., Chicago, Ill. Tensioning device 2,596,428, May 13.

O'Malley, Joseph M.: *See*—
Morgan, Myles, and O'Malley.
Sheperdson, John W., and O'Malley.

O'Malley, Thomas R., assignor to American Viscose Corporation, Wilmington, Del. Packaging. 2,586,078, Feb. 19.

Oman, Nils J.: *See*—
Beard, Joseph G., and Oman.

Omar, Alejandro G., L. M. de Oriol y Urquijo, and J. J. P. MacVeigh, assignors to Patentes Talgo, S. A., Madrid, Spain. Light railway vehicle with reversible triangular traction. 2,605,718, Aug. 5.

O'Meara, James P., assignor to W. M. Sprinkman Corporation, Milwaukee, Wis. Filter. 2,583,963, Jan. 29.

O'Meara, Pauline M., Bakersfield, Calif. Colostomy belt. 2,622,599, Dec. 23.

Omega Louis Brandt & Frere S. A., assignee: *See*—
Gerber, Henri.

Onall, Hugh: *See*—
Geiger, Albert E., and Onall.

Onarheim, Trygve S., Etna, Calif. Antiskid device for vehicles. 2,621,060, Dec. 9.

Ondreica, Francis, assignee: *See*—
Ondreica, Louis C. and J. F.

Ondreica, Joseph F.: *See*—
Ondreica, Louis C. and J. F.

Ondreica, Louis C. and J. F., assignors of one-third to F. Ondreica, Orefield, Pa. Resetting fuse plug. 2,612,575, Sept. 30.

O'Neal, Russell D.: *See*—
Tyler, Arthur W., and O'Neal.

O'Neal, Theodore M., Delray Beach, Fla. Monolithic hollow wall. 2,589,021, Mar. 11.

Oneida, Ltd., assignee: *See*—
Eaton, Samuel E.

O'Neil, Anna L., administrator: *See*—
O'Neil, Edward C.

O'Neil, Charles S., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Laundry drier. 2,587,645, Mar. 4.

O'Neil, Charles S., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drier. 2,587,646, Mar. 4.

O'Neil, Charles S., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drier. 2,589,284, Mar. 18.

O'Neil, Charles S., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drier. 2,608,769, Sept. 2.

O'Neil, Edgar: *See*—
Tuttle, Clifton M., and O'Neil.

O'Neil, Edward C., deceased, Leominster, Mass., A. L. O'Neil, administrator of said Edward C. O'Neil. Wax lubricating composition. 2,610,150, Sept. 9.

O'Neil, Gordon R., Canton, Ill., assignor to International Harvester Company. Planter. 2,611,331, Sept. 23.

O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Beer jetter. 2,623,672, Dec. 30.

O'Neil, James R., San Francisco, Calif. Puzzle game. 2,583,229, Jan. 22.

O'Neil, Mary O., Portland, Oreg. Hair drying attachment for vacuum cleaners. 2,618,864, Nov. 25.

O'Neil, William F., assignor to The General Tire and Rubber Company, Akron, Ohio. Inner tube for pneumatic tires and making. 2,592,724, Apr. 15.

O'Neil, William T., Glendale, assignor to Gilfillan Bros., Inc., Los Angeles County, Calif. Electronic indicator and viewing means for two variables. 2,588,035, Mar. 4.

O'Neill, Edward M., assignor to Union Machine Company, San Francisco, Calif. Mounting for liquid containers. 2,596,283, May 13.

O'Neill, George, St. Clair Shores, Mich. Automobile roof sleeping enclosure. 2,594,065, Apr. 22.

O'Neill, George D., Port Washington, N. Y., assignor to Sylvania Electric Products Inc. Electron discharge device. 2,605,442, July 29.

O'Neill, George F., Jr., Yonkers, N. Y. Combined tobacco smoking pipe and igniter. 2,588,034, Mar. 4.

O'Neill, Gerald D.: *See*—
Neumann, Otto W., and O'Neil.

O'Neill, Harry, Garden City, N. Y. Cutting implement holder. 2,601,450, June 24.

O'Neill, Henry J., Waterbury, Conn., assignor to Benrus Watch Company, Inc., New York, N. Y. Expandable and contractible buckle. 2,588,655, Mar. 11.

O'Neill, Henry M., Pompton Plains, N. J. Electronic oscillatory device. 2,616,043, Oct. 28.

O'Neill, James, New York, N. Y. Combined sealing tab and bookmark. 2,591,094, Apr. 1.

O'Neill, James L., Macedon, N. Y. Draft device for increasing the loading on tractor wheels. 2,592,592, Apr. 15.

O'Neill, James V., and E. E. Overmier, Emporium, Pa., assignors to Sylvania Electric Products Inc. Electrical socket device. 2,598,824, June 3.

O'Neill, John J., Jr., Roxana, assignor to Olin Industries, Inc., East Alton, Ill. Rocket powder. 2,600,678, June 17.

O'Neill, John J., Jr., Roxana, and E. P. Reichardt, Alton, assignors to Olin Industries, Inc., East Alton, Ill. Regenerated cellulose pellets. 2,593,786, Apr. 22.

O'Neill, Ralph A., Englewood, N. J. Folding metal deck chair. 2,600,374, June 10.

Onkey, Theodore F., Easton, assignor to Roberts Rouge Company, Stratford, Conn. Dispensing package. 2,586,765, Feb. 19.

Onksen, George W., Jr.: *See*—
Falge, Robert N., and Onksen.
Mead, Howard C., and Onksen.

Onksen, George W., Jr., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Light responsive system. 2,598,420, May 27.

Onksen, George W., Jr., Anderson, A. H. Stuart, McCordsville, and G. S. Dow, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for making reflector surfaces. 2,623,336, Dec. 30.

Onondaga Pottery Company, assignee: *See*—
Arelt, Eugene G.
Pass, Richard H.
Pass, Richard H., and Johnson.

Onsrud, Albert T., Stoughton, Wis. Hand-operated clutch control. 2,618,168, Nov. 18.

Onsrud Machine Works, Inc., assignee: *See*—
Groen, Willem.
Grondahl, Henrik, and Groen.
Nilsen, Arne, and Rohrer.
Onsrud, Rudolph F.
Pankonin, Earl T.
Rohrer, Karl.

Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Automatic gluing machine. 2,593,691, Apr. 22.

Onstott, Margaret F., executrix, assignee: *See*—
Onstott, Robert A.

Onstott, Robert A., deceased, Pittsburgh, Pa.: M. F. Onstott, executrix, assignor to M. F. Onstott. Safety door lock for motor vehicles. 2,604,180, July 22.

Ontario Paper Company Limited, The, assignee: *See*—
Fisher, John H., and Mead.
Summers, Theodore.

Ontario Research Foundation, assignee: *See*—
Cavanagh, Patrick E.

Onyx Oil & Chemical Company, assignee: *See*—
Shelanski, Herman A.

Oosterhout, Johan C. D., and T. C. Roddy, Jr., Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Sweetening and stabilizing hydrocarbon oils. 2,621,147, Dec. 9.

Oosterveen, Alida J., assignee: *See*—
Van Rooy, Johannes M.

Oothoudt, Howard H., Wichita, Kans., assignor to Mueller Furniture Co., Grand Rapids, Mich. Spring seat and back construction. 2,620,861, Dec. 9.

Opdyke, Gerald L., Traverse City, Mich. Temporary lid for paint cans. 2,616,590, Nov. 4.

Opfermann, Adolf C. J., assignor to Johann G. W. Opfermann & Sohn, Bergisch, Gladbach, Germany. Manufacture of ferro-calcium-citrate. 2,621,201, Dec. 9.

Opfermann, Johann G. W., & Sohn, assignee: *See*—
Opfermann, Adolf C. J.

Opie, Joseph W., D. T. Warner, and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of tryptophane. 2,583,010, Jan. 22.

Opie, Kermit H., Paris, Mo. Portable baby crib. 2,594,677, Apr. 29.

Opland, Herman T., Minneapolis, Minn. Sander tool. 2,605,593, Aug. 5.

Opocensky, Willard J., assignor to Librascope, Incorporated, Glendale, Calif. Limit stop mechanism for potentiometers or the like. 2,599,934, June 10.

Opocensky, Willard J., assignor to Librascope, Incorporated, Glendale, Calif. Rotatable electrical potentiometer connection. 2,615,070, Oct. 21.

Opocensky, Willard J., Glendale, and L. W. Imm, Los Angeles, assignors to Librascope, Incorporated, Burbank, Calif. Integrator. 2,602,338, July 8.

Opp, Fred W., Costa Mesa, assignor of one-half to W. C. Collins, Santa Ana, Calif. Apparatus for treating soil. 2,596,504, May 13.

Opp, Fred W., Costa Mesa, and W. H. Opp, Altadena, Calif. Apparatus for electrically treating the soil. 2,588,561, Mar. 11.

Opp, Fred W., Costa Mesa, and W. H. Opp, Altadena, Calif. Electric weed-killing apparatus. 2,591,597, Apr. 1.

Opp, Walter H.: *See*—
Opp, Fred W. and W. H.

Oppel, John A.: *See*—
Beall, Benjamin S., and Oppel.

Oppel, John A., Aldan, Pa., assignor to General Electric Company. Circuit restorer. 2,597,024, May 20.

Oppit, Jan, Prague-Nusle, Czechoslovakia. Stabilizing ascorbic acid with thio-sugars. 2,585,580, Feb. 12.

O'Quinn, Wilbur D., assignor of one-half to J. H. Ferguson, Wilmington, N. C. Toy pistol. 2,588,036, Mar. 4.

Ora, Alpo J.: *See*—
Monnberg, Bror R. M., and Ora.

Orajet Corporation, assignee: *See*—
Hyser, Charles L.

Oram, Edward D., Burbank, Calif. Upholstery tuft fastener. 2,592,725, Apr. 15.

Oran, Edward, Astoria, N. Y. Telephone call counting device. 2,588,935, Mar. 11.

Orange, Jerome J., Maplewood, N. J. Mold. 2,604,058, July 22.

Orange Screen Company, assignee: *See*—
Milone, Louis J.

Orange-Crush Company, assignee: *See*—
Rogers, Gardiner M., and Mackey.

Orchard Industries, Inc., assignee: *See*—
Irvan, Karl W.

Orchin, Milton: *See*—
Feldman, Julian, and Orchin.
Golumbic, Calvin, and Orchin.
Wender, Irving, and Orchin.

Orco Products, Inc., assignee: *See*—
Orthwin, Sidney O.

Ordas, Arthur F., Huntertown, Ind., assignor to General Electric Company. Recessed ceiling fixture having magnetically attachable and adjustable light source. 2,597,595, May 20.

Ording, James R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Seismic exploration method. 2,622,691, Dec. 23.

Ore, Carl V., Harvey, and J. A. L. Nicholson, Odin, assignors to Roberts and Schaefer Company, Chicago, Ill. Separator having flow-directing and self-sealing discharge means. 2,598,934, June 3.

O'Rear, George M., United States Navy. Centrifugally armed fuse. 2,594,340, Apr. 29.

Oregon Saw Chain Corporation, assignee: *See*—
Cox, Joseph B.

O'Reilly, Joseph A., Bellingham, Wash. Paper box. 2,580,586, Jan. 1.

O'Reilly, Joseph A., Bellingham, Wash. Combination shirt board and collar protector. 2,581,696, Jan. 8.

O'Reilly, Joseph A., Bellingham, Wash. Egg carton. 2,588,936, Mar. 11.

O'Reilly, Emmet M.: *See*—
Maynard, Philip A., O'Reilly, and Gnauck.

Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Implement attaching structure for tractors. 2,593,692, Apr. 22.

Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Power washing centrifugal separator. 2,603,413, July 15.

Orelind, John R., Wilmette, and C. W. Mott, La Grange, Ill., assignors to International Harvester Company. Control valve for telemotor type hydraulic power lift. 2,589,850, Mar. 18.

Orellana, Ildefonso G., Mayfield Heights, assignors to The Republic Steel Corporation, Cleveland, Ohio. X-ray testing apparatus. 2,598,825, June 3.

Oren, Bernard S., Chicago, Ill. Portable electric belt sanding machine. 2,621,453, Dec. 16.

Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet topper. 2,583,011, Jan. 22.

Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet harvester loading cart. 2,599,475, June 3.

Orent, Henry P.: *See*—
Hillmer, Herman H., and Orent.

Organico, assignee: *See*—
Aellon, René.

Oriental Glass & Novelty Company, Inc., assignee: *See*—
Adamo, Florentino.

Orilia, James: *See*—
Ribaudo, Andrew A., and Orilia.

Orinik, Michael T., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic film containing hardened gelatin. 2,593,912, Apr. 22.

Orkin, Bernard A.: *See*—
Richter, Frederick P., and Orkin.

Orkin, Bernard A., Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Mixed thio, oxy silanes. 2,592,175, Apr. 8.

Orkin, Bernard A., Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of hexaalkoxydisilanes. 2,612,511, Sept. 30.

Orlandi, Americo S., Detroit, Mich. Gear checking apparatus. 2,623,295, Dec. 30.

Orlando, Don S., near Cupertino, Calif. Box dumping machine. 2,583,490, Jan. 22.

Orlando, Joseph F., Washington, D. C. Plumb bob device. 2,583,491, Jan. 22.

Orlicki, Stanley E., Jr., Chicago, Ill. Tire inflating means. 2,612,931, Oct. 7.

Orlin, Morris D., Shaker Heights, Ohio. Window construction. 2,601,706, July 1.

Orlin, William J., Hilton Village, Va., H. M. Heuver, Dayton, Ohio, and R. E. Forrester, Flint, Mich. Apparatus for indicating air speed in terms of the local speed of sound. 2,592,176, Apr. 8.

Orloff, Arthur, Nunda, N. Y. Crane. 2,602,552, July 8.

Orloff, George, Cheltenham, assignor to Electro-Hydraulics Limited, Warrington, England. Shock absorbing means. 2,580,823, Jan. 1.

Orms, Francis, Akron, Ohio. Telephone holder. 2,614,177, Oct. 14.

Ormsby, Richard R.: *See*—
Babson, Edmund C., Ormsby and Turner.

Orner, Clayton, assignee: *See*—
Cottingham, Robert J.

Orner, Harry, assignor of one-half to W. Isler, Cleveland Heights, Ohio. Hair extracting device. 2,586,855, Feb. 26.

Orner, Harry, Cleveland Heights, Ohio. Automatic torque converter. 2,608,884, Sept. 2.

Ornitz, Nathaniel B., assignor to Blaw-Knox Company, Pittsburgh, Pa. Heat-treating silicon steel. 2,603,578, July 15.

Ornitz, Nathaniel B., Pittsburgh, assignor to Blaw-Knox Company, Blaw-Knox, Pa. Apparatus for progressing articles of manufacture. 2,616,549, Nov. 4.

Ornitz, Nathaniel B., assignor to Blaw-Knox Company, Pittsburgh, Pa. Handling and varnishing electrical windings. 2,620,769, Dec. 9.

Ornstein, George G., New York, N. Y. Screw thread fastener with flexible operator. 2,623,427, Dec. 30.

Ornstein, Matthew: *See*—
Ornstein, Max and M.

Ornstein, Max and M., New York, N. Y. Umbrella cover construction and tip therefor. 2,591,095, Apr. 1.

Oroshnik, William, Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. Synthesis of compounds having vitamin A activity. 2,602,092, July 1.

Oroshnik, William, Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. 2-amino-4-dialkylaminoethoxypyrimidines. 2,610,184, Sept. 9.

Oroshnik, William, Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. 2-amino-4-dialkylaminopropoxypyrimidines. 2,610,185, Sept. 9.

Oroshnik, William, Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. 2-amino-4-dialkylaminoethoxypyrimidines. 2,610,186, Sept. 9.

Oroshnik, William, Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. 2-amino-4-dialkylaminoethoxy-6-methylpyrimidines. 2,610,187, Sept. 9.

Oroshnik, William, Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. 2-amino-4-dialkylaminopropoxyprimidines. 2,610,188, Sept. 9.

O'Rourke, Thomas F.: *See*—
Loren, John V., and O'Rourke.

Orpin, Lionel H.: *See*—
Kendall, Hugh C., and Orpin.

Orpin, Lionel H., Greece, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse length discriminator. 2,589,851, Mar. 18.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Pressure carburetor. 2,584,911, Feb. 5.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Automotive pressure carburetor. 2,596,429, May 13.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Semiisochronous governor for gas turbines automatically modified by fuel pressure. 2,612,944, Oct. 7.

Orr, Billy E.: *See*—
Havens, Richard A., Orr, Pitts, and Cunningham.

Orr, Carroll E., Westfield, assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J. Elevator car switch. 2,581,969, Jan. 8.

Orr, Claude L.: *See*—
Moeller, Harry A., and Orr.

Orr, Claude L., and J. C. Settles, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Railway truck with damping means. 2,615,403, Oct. 28.

Orr, Clifford M.: *See*—
Busse, Wilbur E., and Orr.
Fraser, Edward S., and Orr.
Goldsby, Fred L., and Orr.

Orr, Clifford M., and F. L. Goldsby, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Double-deck floating roof. 2,586,856, Feb. 26.

Orr Felt Blanket Company, The, assignee: *See*—
Berglund, Orion W.

Orr, Howard W.: *See*—
Mungovan, Robert E., and Orr.

Orr, J. Allen, assignee: *See*—
Desjarlais, William J., and La Fleur.

Orr, John H., assignor to Carbodies Limited, Coventry, England. Movable window for vehicles. 2,590,448, Mar. 25.

Orr, John H., assignor to Carbodies Limited, Coventry, England. Cover for a hood compartment of drophead motorcar bodies. 2,599,277, June 3.

Orr, John H., assignor to Carbodies Limited, Coventry, England. Weather sealing strip. 2,602,202, July 8.

Orr, Malcolm A.: *See*—
Egeberg, Birger, Orr, and Phaneuf.

Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Blocker type clutch. 2,607,458, Aug. 19.

Orr, Palmer, and G. E. Flinn, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Automatic transmission. 2,620,908, Dec. 9.

Orr, Raymond F., and G. T. Junkin, assignors to The Residue Company, Fort Smith, Ark. Refining zinc ore. 2,612,441, Sept. 30.

Orrison, Chester E., Springfield, Mo. Hand support for automobiles. 2,586,986, Feb. 26.

Orsatti, Ernest R., North Hollywood, and D. A. Lace, Los Angeles, Calif. Electromagnetic circuit interrupter. 2,610,995, Sept. 16.

Orshansky, Elias, Jr., and T. W. Southack, Stamford, Conn., and B. Kahn, New York, N. Y., assignors to The Acrotorque Company, Stamford, Conn. Driving mechanism and control system therefor. 2,580,946, Jan. 1.

Orsini, Camillo D., Highland Park, assignor to Nixon Nitration Works, Nixon, N. J. Making variegated thermoplastic panels. 2,618,019, Nov. 18.

Ortegren, Herman A., Grosse Pointe, assignor to Bower Roller Bearing Company, Detroit, Mich. Roll honing machine. 2,586,987, Feb. 26.

Orter, Ralph H., Phoenix, Ariz. Sun shield roof for house trailers. 2,602,406, July 8.

Ortgies, Raymond C., Homewood, Ill., assignor to Whiting Corporation. Horizontal gas scrubber. 2,608,267, Aug. 26.

Orth, John H.: *See*—
Dwinell, William G., and Orth.

Orth, Paul S., San Diego, Calif. Interdental splint. 2,604,093, July 22.

Orth, George O., Jr., Seattle, Wash., assignor to Armour and Company, Chicago, Ill. Potentially reactive aromatic diisocyanate-water resinous reaction product and preparing. 2,597,025, May 20.

Ortho Pharmaceutical Corporation, assignee: *See*—
Berliner, Victor R.
Oroshnik, William.
Senger, Frank A.
Singher, Heron O., and Harmison.
Willis, Sumner C.

Orthopedic Frame Company, assignee: *See*—
Stryker, Homer H.

Orthwin, Sidney O., assignor to Orco Products, Inc., Dayton, Ohio. Clothesline prop. 2,618,455, Nov. 18.

Ortleb, Douglas, St. Louis, Mo. Protector pad and armrest for automobile windows. 2,601,052, June 17.

Orton Crane & Shovel Company, assignee: *See*—
Orton, Philo A., Sr.

Orton, Philo A., Sr., Lincolnwood, assignor to Orton Crane & Shovel Company, Chicago, Ill. Tagline mechanism. 2,588,037, Mar. 4.

Ortusi, Antoine J., Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Radio obstacle detector. 2,623,207, Dec. 23.

O'Russa, Lorence, Princeville, Ill. Dry shaving apparatus. 2,598,292, May 27.

Orvis, Charles F., Co., Inc., assignee: *See*—
Corkran, Dudley C.

Orwin, Olaf J. B., assignor to Fisher & Ludlow Limited, Birmingham, England. Conveyer. 2,588,282, Mar. 4.

Orwin, Olaf J. B., Erdington, Birmingham, assignor to Fisher & Ludlow Limited, Birmingham, England. Roller conveyer. 2,618,370, Nov. 18.

Orzel, Paul, Bogota, N. J. Reinforced plastic structural unit. 2,618,960, Nov. 25.

Osbon, William O., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating apparatus. 2,583,153, Jan. 22.

Osborn, Alan D.: *See*—
Osborn, Henry J. and A. D.

Osborn, Alden E., Mount Vernon, N. Y. Pipe joint. 2,590,565, Mar. 25.

Osborn, Daisy: *See*—
Osborn, Ralph and D.

Osborn, Edwin B., Kansas City, Mo. Windshield cover for automobiles. 2,599,066, June 3.

Osborn, Elburt F., State College, assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Hydrothermal synthesis of forsterite. 2,590,566, Mar. 25.

Osborn, Henry J. and A. D., Glasgow, Scotland. Instrument for locating faults in electrical cables and/or measuring electrical capacity. 2,611,805, Sept. 23.

Osborn, Howard E., Michigan City, Ind. Floor structure for railway freight cars. 2,587,754, Mar. 4.

Osborn Manufacturing Company, The, assignee: *See*—
Miller, Leon F.
Miller, Leon F., and Cole.
Nelson, Brooks E.
Peterson, Ruben O.

Osborn, Marvin W.: *See*—
Wieseman, Theodore R., and Osborn.

Osborn, Milo K., Loveland, Colo. Automatically opening head gate. 2,584,364, Feb. 5.

Osborn, Paul Y., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Pin doweled bearing cap. 2,609,710, Sept. 9.

Osborn, Ralph and D., National City, Calif. Rat or mouse trap. 2,610,431, Sept. 16.

Osborn, Ralph C., assignor to Eureka Williams Corporation, Bloomington, Ill. Conversion arrangement for suction cleaners. 2,584,495, Feb. 5.

Osborn, Robert M.: *See*—
Bradley, Robert W., and Osborn.

Osborne, Charles V., Wise, Va. Car wheel. 2,590,567, Mar. 25.

Osborne, Frank, Adlington, Macclesfield, assignor to Wm. Ayrton & Co. Limited, Manchester, England. Balling of yarns and the like. 2,617,601, Nov. 11.

Osborne, Frank M., and E. Oblinger, assignors to The Ohio Thermometer Company, Springfield, Ohio. Oven thermometer. 2,609,690, Sept. 9.

Osborne, Fred H., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Wall box for remote control systems. 2,585,401, Feb. 12.

Osborne, Fred H., Snyder, and J. H. Riggs, Kenmore, N. Y., assignors to The Rudolph Wurlitzer Company, Chicago, Ill. Impulse remote control system. 2,604,531, July 22.

Osborne, Horace A., Frankfort Township, Will County, Ill., assignor to Morton Manufacturing Company, Muskegon Heights, Mich. Automatic welding machine. 2,618,727, Nov. 18.

Osborne, Jacqueline, New Rochelle, assignor to American Cyanamid Company, New York, N. Y. Purification of acrylonitrile. 2,622,097, Dec. 16.

Osborne, Le Roy M.: *See*—
Stockfleth, Berger, and Osborne.

Osborne, R. H., Company, The, assignee: *See*—
Bobisch, William J.
Osborne, Ralph H.

Osborne, Ralph H., assignor to The R. H. Osborne Company, Altadena, Calif. Locking handle for doors and the like. 2,620,647, Dec. 9.

Osbourne, Alan, Cabin John, Md. Fish product and forming same. 2,605,184, July 29.

Osburn, Everett H., and R. Walklin, Phoenix, Ariz. Evaporative cooler. 2,580,826, Jan. 1.

Osburn, Neild H., Pasadena, Calif. Picture frame. 2,616,197, Nov. 4.

Oscher, Nathan A., Brooklyn, N. Y. Adjustable clip support for toothbrushes. 2,593,913, Apr. 22.

Osdal, Le Verne K., Upper Darby, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Sprayable polytetrafluoroethylene aqueous suspensoids containing an organic liquid. 2,613,193, Oct. 7.

Osgood, Arthur B., assignor to The Day Company, Minneapolis, Minn. Storage bin construction. 2,604,238, July 22.

Osgood, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Material loading apparatus. 2,588,283, Mar. 4.

Osgood, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Mine shaft mucking apparatus. 2,593,693, Apr. 22.

Osgood Company, The, assignee: *See*—
White, Fred L.

Osgood, Robert C., Claremont, N. H., assignor to Joy Manufacturing Company. Material loading apparatus. 2,581,437, Jan. 8.

Osgood, Robert C., Claremont, N. H., assignor to Joy Manufacturing Company. Adjustable stop and locking device for shovel loaders. 2,592,457, Apr. 8.

Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Machine for applying cement to platform wedge heels. 2,598,717, June 3.

Osgood, Walter P., Malden, Mass., assignor, by mesne assignments, to Authorite Company, Providence, R. I. Supporting means for roller identification devices. 2,599,278, June 3.

Osgood, Walter P., Malden, Mass., assignor, by mesne assignments, to Authorite Company, Providence, R. I. Identification and recording roller. 2,599,279, June 3.

O'Shaughnessy, Roy W., Lockport, N. Y. Dispensing apparatus. 2,582,352, Jan. 15.

O'Shea, Horace W., Jr.: *See*—
Dillon, Annie L., and O'Shea.

O'Shea, John E., Long Beach, assignor to Arlington Sheet Metal Corporation, Los Angeles, Calif. Wheelbarrow. 2,591,857, Apr. 8.

O'Shei, William E., London, England. Piston packing. 2,612,875, Oct. 7.

Oshkosh Trunk and Luggage Co., assignee: *See*—
Brown, Ellis M.
Plotkin, Samuel D.

Oshkosh Trunks and Luggage, assignee: *See*—
Luft, John.

Osmers, Frank F., Maywood, N. J. Container having integral tear strip. 2,621,828, Dec. 16.

Osmetti, Andrew, Beckworth, Calif. Branding and dehorning chute for cattle. 2,591,191, Apr. 1.

Osmond, Charles W., assignor to Littleford Bros. Inc., Cincinnati, Ohio. Hydraulic oscillator for the shaft of an agitator. 2,608,183, Aug. 26.

Osmose Wood Preserving Co. of America, Inc., assignee: *See*—
Chrzanowski, Roman H.

Osmun, Dean W., Houston, Tex. Sealing means. 2,616,504, Nov. 4.

Osmun, Dean W., Houston, Tex. Packing unit. 2,616,731, Nov. 4.

Osmun, Dean W., Houston, Tex. Spiraled sent releasing and circulating overshot. 2,616,752, Nov. 4.

Osol, John A., Portland, Oreg. Self-adjusting and locking rat guard for mooring lines. 2,617,378, Nov. 11.

Osowski, Baltazar J., assignor of one-half to F. E. Stacknik, Cicero, Ill. Rotatable supporting means for lamps. 2,616,029, Oct. 28.

Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Hobbing grinder and wheel dresser. 2,587,202, Feb. 26.

Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Making precision gears. 2,607,175, Aug. 19.

Osrow, Harold: *See*—
Osrow, Leonard and H.

Osrow, Leonard and H., Queens County, N. Y. Faucet spout connector. 2,584,044, Jan. 29.

Ossmann, Charles, Madison, Wis. Salt box for animals. 2,589,427, Mar. 18.

Ostadál, Václav, Prague, Czechoslovakia. Safety lock. 2,621,951, Dec. 16.

Osten, Charles W., San Bernardino, Calif. Roof staging apparatus. 2,623,794, Dec. 30.

Ostendorf, Peter, Godesberg, Germany. Double walled mold for casting long ingots. 2,591,858, Apr. 8.

Oster, John, Manufacturing Company, assignee: *See*—
Brown, Ellis M., and Forss.
Johnson, Gordon C. and A. O.
Luther, William P., and Rudat.

Oster Manufacturing Company, The, assignee: *See*—
Chasar, Anthony R.

Oster, Robert F.: *See*—
Frischmann, Joseph A., and Oster.

Oster, Thomas H., Romulus, assignor to Ford Motor Company, Dearborn, Mich. Casting core removal. 2,597,896, May 27.

Osterhus, Ervin J., assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Centrifugal switch for induction motors. 2,583,590, Jan. 29.

Osterhus, Ervin J., assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Power-operated radial sawing machine. 2,590,119, Mar. 25.

Osterland, Edmund H., Parsippany, N. J. Voltage divider. 2,613,345, Oct. 7.

Osterlind, Johan A., Malmo, Sweden. Welding burner with detachable tip. 2,607,404, Aug. 19.

Österman, Edvin M., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Balancing mechanism for pressure logs. 2,581,811, Jan. 8.

Österman, Edvin M., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Speed regulation for integrators for logs. 2,618,769, Nov. 18.

Ostermann, Hans J., Westport, A. G. K. Wilkens, Shelton, and C. B. Bwan, Meriden, assignors to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Electronic displacement measuring means. 2,593,339, Apr. 15.

Ostertag, Victor, Oshkosh, Wis., assignor to Union Special Machine Company, Chicago, Ill. Fastener guiding attachment for sewing machines. 2,605,728, Aug. 5.

Ostevik, Petter P., Molde, Norway. Calendar work for clocks and watches. 2,580,458, Jan. 1.

Ostlind, Joel, Oakland, and W. L. Werner, Palo Alto, Calif. Temperature equalizer for mercury tube switches. 2,605,307, July 29.

Ostline, John E.: *See*—
Balzer, Harvey W., and Ostline.

Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic charge-recording telephone system. 2,581,287, Jan. 1.

Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line identification dial. 2,581,697, Jan. 8.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Message data recording telephone system. 2,586,704, Feb. 19.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Party line identification in automatic telephony. 2,603,712, July 15.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Party line identification in automatic telephony. 2,603,713, July 15.

Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system with main and secondary register. 2,618,708, Nov. 18.

Ostlund, Evert M., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Capacitive coupling assembly. 2,597,897, May 27.

Östmar, Frans E. O.: *See*—
Nicolin, Curt, Wiberg, and Östmar.

Östmar, Frans E. O., assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden. Rotor for axial flow elastic fluid compressors or turbines. 2,583,875, Jan. 29.

Ostrander, Robert F., Woodbridge, Conn. Towing apparatus. 2,582,153, Jan. 8.

Ostrčil, Vilém: *See*—
Zaoral, Josef, and Ostrčil.

Ostreicher, Warren J., New York, N. Y., assignor to Tele-Tone Radio Corporation. Tuning unit. 2,614,248, Oct. 14.

Ostrenga, Martin M., Green Bay, Wis. Auto body repair tool. 2,605,659, Aug. 5.

Ostrom, John E. R.: *See*—
Walcot, Charles D., and Ostrom.

Ostrow, Philip A., Providence, R. I. Attachment for dual pedal control for automobiles. 2,599,656, June 10.

Ostwald, Walter: *See*—
Haase, Kurt, and Ostwald.

Ostwaldt, Erich, Berlin-Hermsdorf, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany. Printing machine for printing addresses. 2,587,373, Feb. 26.

Ostwaldt, Erich, Berlin-Hermsdorf, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany. Impression control means in address printing machines. 2,616,363, Nov. 4.

O'Sullivan, Eugene, assignee: *See*—
Harkness, John M., and G. K.

O'Sullivan, Eugene, Chislehurst, England. Concrete wall mold. 2,602,982, July 15.

O'Sullivan, Eugene, Chislehurst, England. Mold for molding concrete lintels. 2,621,388, Dec. 16.

O'Sullivan, Eugene, Chislehurst, England. Hoist. 2,621,820, Dec. 16.

O'Sullivan, Mary E., Los Angeles, Calif. Receptacle for dental plates. 2,617,519, Nov. 11.

O'Sullivan, William L., Milwaukee, Wis. Bottle carrier. 2,615,750, Oct. 28.

Oswald, Alfons, Zurich, Switzerland, assignor to United Shoe Machinery Corporation, Flemington, N. J. Margin-stretching wiper for folding machines. 2,613,378, Oct. 14.

Oswald, Frederick G.: *See*—
Oswald, Joseph H. and F. G.

Oswald, Frank G., assignor to Hercules Powder Company, Wilmington, Del. Linoleum binding composition. 2,603,572, July 15.

Oswald, Joseph H., South Euclid, and F. G. Oswald, Cleveland, Ohio. Panel closure. 2,583,439, Jan. 22.

Oswald, Stewart T.: *See*—
Watson, James, Oswald, and Watkins.

Oswald, Stewart T., Fort Lauderdale, Fla. All-weather doorsill seal. 2,617,161, Nov. 11.

Oswego Falls Corporation, assignee: *See*—
Horning, Raymond H.
Wilcox, Isaac L.

Oswin, Charles R., Burrington, assignor to British Cellophane Limited, Bridgewater, Somerset, England. Production of moistureproof sheet wrapping material. 2,618,575, Nov. 18.

Otaño, Néstor F., Buenos Aires, Argentina. Closure. 2,595,877, May 6.

Oteri, Antonio, assignee: *See*—
Bongiovanni, Antonio.

Othmer, Donald F.: *See*—
Schmutzler, Alfred F., and Othmer.

Otis, A. E., assignee: *See*—
Lind, John.

Otis, Charles F., Roslyn, and W. H. Starks, assignors to Philco Corporation, Philadelphia, Pa. Electrical system. 2,613,334, Oct. 7.

Otis, Eleanor G., Bradford, Mass., and W. W. Salisbury, Cedar Rapids, Iowa, assignors to the United States of America as represented by the Secretary of War. Cavity resonator. 2,609,449, Sept. 2.

Otis Elevator Company, assignee: *See*—
Bruns, William H., and Davis.
Dunlop, James, and Durang.
Glaser, William F., and Hornung.
Larson, David C.
Paulson, Arthur W., Hornung, and Galanty.
Pinto, Anthony

Otis Engineering Corporation, assignee: *See*—
Marshall, Samuel J. E., and Wilhoit.

Otis, Herbert C., Dallas, Tex. Fluid pressure differential responsive cutoff valve. 2,588,284, Mar. 4.

Otis, Herbert C., Dallas, Tex. Gripping device. 2,591,859, Apr. 8.

Otis, Herbert C., Dallas, Tex. Well treating and flow controlling device. 2,606,616, Aug. 12.

Otis, Herbert C., and J. C. Luccous, Dallas, Tex., said Luccous assignor to said Otis. Well flow regulating apparatus. 2,592,325, Apr. 8.

Otis, Louis W., Seattle, Wash. Child's swing. 2,592,177, Apr. 8.

Otis, Nelson G., Bay Village, assignor to H. M. Warner, Olmstead Falls, Ohio. Wheel aligning device. 2,590,722, Mar. 25.

Otis Pressure Control, Inc., assignee: *See*—
Fredd, John V.

Otis, R. H., assignee: *See*—
Hodges, Elmer L.

Otis, Stanley J., Madison, Wis. Ruling pen gauge. 2,620,568, Dec. 9.

O'Toole, Kenneth P.: *See*—
Maxey, Kenneth H., and O'Toole.

Ott, Arnold C., assignor to The Upjohn Company, Kalamazoo, Mich. Estradiol 17-cyclopentanepropionate. 2,611,773, Sept. 23.

Ott, Thomas W., St. Paul, Minn. Vacuum cleaner attachment having a variable size inlet. 2,619,315, Nov. 25.

Otte, Lowell M., and J. R. Merica, Omaha, Nebr. Sectional metal concrete column form. 2,595,286, May 6.

Otten, Eric, Chicago, Ill. Display carton. 2,602,541, July 8.

Otten, Lawrence F., Fort Thomas, Ky. Carrying case for keys and driver's license. 2,596,716, May 13.

Otter, Faye E., administratrix: *See*—
Otter, Harold S.

Otter, Harold S., deceased, St. Ignatius, Mont.; F. E. Otter, administratrix, assignor to Processed Trout Foods, Incorporated. Preparing fish food. 2,583,964, Jan. 29.

Otter, Richard M., Greenwich, Conn., assignor to American Union Transport, Inc., New York, N. Y. Stowing cargo in vessels. 2,619,066, Nov. 25.

Ottersland, Peter N., Watertown, N. Y. Disk chipper with horizontally inclined rotary axes. 2,585,673, Feb. 12.

Ottersland, Peter N., Watertown, N. Rigabar, Carthage, and E. S. Lansing, New York, assignors to Taylor Refiner Company, Inc., Watertown, N. Y. Method of and machine for treating fibrous or cellulosic material. 2,592,594, Apr. 15.

Otterson, Oscar, Butler, assignor, by mesne assignments, to Schaefer Equipment Company, Pittsburgh, Pa. Dies for making truck lever connections. 2,609,861, Sept. 9.

Otteson, Andrew, New York, N. Y. Receptacle cover. 2,601,937, July 1.

Ottinger, August F.: *See*—
Brady, Charles V., and Ottinger.

Ottinger, Harry: *See*—
Kirchner, George J., and Ottinger.

Ottinger, Harry, McKeesport, and E. B. Trayers, Duquesne, Pa., assignors to United States Steel Company. Butterfly valve. 2,596,787, May 13.

Otto, C., Dr., & Company, G. m. b. H., assignee: *See*—
Cramer, Friedrich W., and Saffran.

Otto, Carl, Manhasset, N. Y. Production of ammonium sulfate. 2,599,067, June 3.

Otto, Carl, Manhasset, N. Y. Recovering acid and benzol from benzol washing residues. 2,611,739, Sept. 23.

Otto, Charles H., Cedar Rapids, Iowa. Feeder structure. 2,608,179, Aug. 26.

Otto, Eugene J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Spring loaded variable diameter sheave and drive. 2,610,516, Sept. 16.

Otto, Ferdinand P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricant containing high molecular weight alkyl monothiocyanates. 2,619,464, Nov. 25.

Otto, Ferdinand P., Woodbury, and R. W. Barrett, Sewell, N. J., assignors to Socony-Vacuum Company, Incorporated. Mineral oil composition containing a polymericalkyl metaphosphimate. 2,580,587, Jan. 1.

Otto, Ferdinand P., and O. M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Esters of thiophene-modified maleic anhydride-styrene copolymers and oil compositions containing the same. 2,600,798, June 17.

Otto, George, Gurnee, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Resistance welding tantalum. 2,620,424, Dec. 2.

Otto, Julian A., Long Island City, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Cation exchange resins. 2,590,449, Mar. 25.

Otto, Julian A., Long Island City, and E. E. Gilbert, Flushing, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Chlorine containing condensation products of phenols and sulfonated acetaldehydes. 2,597,171, May 20.

Otto, Martin C.: *See*—
Hedstrom, Eric L., Otto, and Gooderham.

Otto, Paul F., and E. H. Warne, Menlo Park, Calif. Mixer device. 2,602,697, July 8.

Otto, Paul F., and E. H. Warne, Menlo Park, Calif. Mixing device for water lines. 2,602,699, July 8.

Otto, Stuart, New York, N. Y. Nail packaging machine. 2,581,042, Jan. 1.

Otto, Stuart, Westport, Conn. Nail packaging machine. 2,602,942, July 15.

Otvos, Joseph, Bay Shore City, Calif. Folding tent for automobile tops. 2,600,799, June 17.

Otzen, Hans: *See*—
Christensen, Holger S., Otzen, Weitemeyer, and Andersen.

Ouellette, Clarence, Springfield, assignor to Wrap-King Corporation, West Springfield, Mass. Labeling apparatus. 2,613,008, Oct. 7.

Ougheltree, Elizabeth, Astoria, N. Y. Shoe basket. 2,623,640, Dec. 30.

Oulianoff, George, Rimington, near Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Mounting of combustion chambers in jet-propulsion and gas-turbine power-units. 2,592,060, Apr. 8.

Our Savior's Evangelical Lutheran Church, assignee: *See*—
Sundholm, Edwin P.

Outboard, Marine & Manufacturing Company, assignee: *See*—
Watkins, Lucius D.

Outrebon, Eugéne, assignor to Manufacture d'Horlogerie de Berthune, Berthune, Pas-de-Calais, France. Automatic platform scale. 2,615,705, Oct. 28.

Ovadia, Jehuda: *See*—
Hirschberg, Walter J., and Ovadia.

Ovary, John F., New York, N. Y. Mixing and flow controlling valve. 2,601,053, June 17.

Over, Raymond E., Oak Park, assignor to M. H. Detrick Company, Chicago, Ill. Port chamber wall construction with deposit retaining ledge for open hearth furnaces. 2,593,481, Apr. 22.

Overacker, Horace E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Mechanical tracking device. 2,589,852, Mar. 18.

Overbaugh, Charles B., Denver, Colo. Radial holder for toothpicks and like articles. 2,612,259, Sept. 30.

Overbaugh, Walter V.: *See*—
Skelton, William E., German, Kirsch and Overbaugh.

Overbeke, John W., Cleveland, Ohio. Hydraulic fluid mechanism. 2,620,733, Dec. 9.

Overbeke, John W., Cleveland Heights, Ohio. Fluid handling mechanism. 2,620,736, Dec. 9.

Overdick, Harold: *See*—
Wrolson, Woodrow F., and Overdick.

Overend, Samuel C., Cincinnati, Ohio. Window construction. 2,585,581, Feb. 12.

Overhoff, Johan, and J. T. Hackmann, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Preparing alkali metal amides. 2,612,436, Sept. 30.

Overholser, J. Homer H., and M. Sweeney, Los Angeles, assignors, by mesne assignments, to Air Valve, Inc., Burbank, Calif. Sealing means for valves. 2,603,449, July 15.

Overholt, Ray L.: *See*—
Hemming, Charles B., and Overholt.

Overly, Charles D., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Bolt finishing machine. 2,591,285, Apr. 1.

Overman, Earl R. Wabash, Ind. Drive for flying knives. 2,605,841, Aug. 5.

Overman, Earl R., Wabash, Ind. Batting machine. 2,610,688, Sept. 16.

Overman, Joseph J., Albany, Minn. Straw windrower. 2,609,080, Sept. 2.

Overmier, Eugene E.: *See*—
O'Neill, James V., and Overmier.

Overmyer, Calvin J., Oak Park, W. E. Giese, and H. F. Weckel, assignors to Elliott Paint & Varnish Co., Chicago, Ill. Liquid-measuring device. 2,607,122, Aug. 19.

Overmyer, Dwight E.: *See*—
Hansen, Lloyd D., and Overmyer.

Overton, Bryan R., Salfords, near Redhill, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Television time base circuit. 2,596,590, May 13.

Overton, Lyle S., assignor to Overton Machine Company, Dowagiac, Mich. Evacuated drum drying machine. 2,602,498, July 8.

Overton Machine Company, assignee: *See*—
Overton, Lyle S.

Ovshinsky, Stanford, assignor to The Stanford Roberts Manufacturing Company, Akron, Ohio. Machine tool. 2,619,709, Dec. 2.

Ovshinsky, Stanford, New Britain, Conn., assignor to The Stanford-Roberts Manufacturing Company, Akron, Ohio. Machine tool for machining articles having holed annular flanges and the like. 2,619,710, Dec. 2.

Owen, Emily M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Destroying pests comprising the application of the dibutyl acetal of aminoacetaldehyde to the pest. 2,585,493, Feb. 12.

Owen, Frederick E., Whittier, Calif. Ceramic tile support. 2,602,984, July 15.

Owen, Gayle G., Minden, La. Awning. 2,584,609, Feb. 5.

Owen, Harold R., Playa Del Rey, and R. Brown, Fall Brook, assignors to Electrical Products Corporation, Los Angeles, Calif. Sign character element. 2,623,315, Dec. 30.

Owen, Harry D., assignee: *See*—
Claps, Michael.

Owen, Henry E. L. and R. E. L., assignors to Tidak Ltd., London, England. Tide calculator. 2,622,800, Dec. 23.

Owen, James R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Depth-controlled impregnation of alumina-base catalyst pellets. 2,606,159, Aug. 5.

Owen, James R., and J. W. Myers, Bartlesville, Okla., assignors to Phillips Petroleum Company, Coprecipitated alumina-metal oxide gel catalysts and their preparation. 2,601,624, June 24.

Owen, John E., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Electrical well logging apparatus. 2,605,321, July 29.

Owen, John J., and E. V. Fasce, Baton Rouge, La., assignors to Standard Oil Development Company. Utilization of oxo bottoms. 2,594,341, Apr. 29.

Owen, John J., Baton Rouge, and S. D. Sumerford, East Baton Rouge, La., assignors to Standard Oil Development Company. Synthesis of hydrocarbons from carbon monoxide and hydrogen with an iron type catalyst. 2,610,975, Sept. 16.

Owen, Lloyd J.: *See*—
Skillman, Thomas S., Owen, and McGibbon.

Owen, Lloyd J., Concord, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article transfer arrangement. 2,585,674, Feb. 12.

Owen, Ralph D., assignor to Lord Manufacturing Company, Erie, Pa. Follow-up control. 2,595,165, Apr. 29.

Owen, Ralph D., assignor to Lord Manufacturing Company, Erie, Pa. Electrostatic heating. 2,607,880, Aug. 19.

Owen, Robert E. L.: *See*—
Owen, Henry E. L. and R. E. L.

Owen, William L., Baton Rouge, La. Aldehyde reaction products. 2,602,082, July 1.

Owen, William L., Baton Rouge, and A. J. Isacks, Houma, La. Producing a plant food and plant stimulant, and utilization thereof. 2,613,147, Oct. 7.

Owens Brush Company, assignee: *See*—
Sullivan, Emmet J., and Snyder.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Anderson, Morris C.
Armstrong, Marshall C., and Lockhart.
Biefeld, Lawrence P.
Borkland, Gustave W.
Brady, David R.
Brenner, Ivan G.
Brown, Alfred W.
Collins, Howard W., and Philipps.
De Vriss, Ralph.
Fine, Richard D., and Trowbridge.
Hogendobler, Henry R.
Kovreg, Louis A.
Lannan, George M.
McMillin, James R., and Sakarash.
Slayter, Games.
Slayter, Games, and Stalego.
Smucker, Clayton A.
Stalego, Charles J.
Stalego, Charles J., and Drummond.
Steinman, Robert.
Steinman, Robert, and Courtright.
Stream, Ralph M., and Brenner.
Waggoner, Jack H.
Walker, Howard E.

Owens, David C., Alden, Iowa. Conveyer belt supporting means. 2,591,860, Apr. 8.

Owens, David O., Thermopolis, Wyo. Plumb bob. 2,621,421, Dec. 16.

Owens, Dovie A., Fulton, Miss., assignor to C. J. Bates & Son, Chester, Conn. Crochet needle with thread-retaining clip. 2,608,076, Aug. 26.

Owens, Freeman H., New York, N. Y. Fader for radio receiving or other apparatus. 2,584,155, Feb. 5.

Owens, Freeman H., New York, N. Y. Magazine having spool rotation inhibiting means. 2,584,733, Feb. 5.

Owens, Freeman H., New York, N. Y. Control mechanism. 2,584,734, Feb. 5.

Owens, Freeman H., New York, N. Y. Record magazine. 2,610,904, Sept. 16.

Owens, Freeman H., New York, N. Y. Camera and flashgun and construction thereof. 2,622,496, Dec. 23.

Owens, George E., Independence, Mo. Ventilating and air conditioning apparatus. 2,620,722, Dec. 9.

Owens, Harry S., Berkeley, and T. H. Schultz, Lafayette, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Coating foods with pectinate or pectate films. 2,611,708, Sept. 23.

Owens, Henry J.: *See*—
Johns, Francis J., and Owens.

Owens, Hugh P., Detroit, and E. Grady, Wayne, Mich. Alloy metals for use in dental castings. 2,617,725, Nov. 11.

Owens-Illinois Glass Company, assignee: *See*—
Elser, William F., and Richard.
Fedorchak, William J.
Gilbert, Clyde L.
Glaser, Rudolf F.
Gronemeyer, Erich, and Cherba.
Helmick, Marion A.
Hohl, John, and Bjering.
Hohl, John, and Trendel.
Kegg, Robert R.
Lufkin, Garland.
McCreery, Cecil W., and Hatfield.
McNutt, Anderson D., and Newton.
Paul, Hubert W., and Shuman.
Rough, Robert R.
Snyder, Kenneth J.
Spalding, Richard O.
Welhart, Charles.

Owens, James W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Locomotive construction. 2,617,364, Nov. 11.

Owens, Jesse C., Los Angeles, Calif. Antisiphon silencer for ball cocks. 2,581,043, Jan. 1.

Owens, Jesse C., Los Angeles, Calif. Carpet holding device. 2,602,952, July 15.

Owens, Jesse C., Los Angeles, Calif. Carpet stretcher. 2,606,743, Aug. 12.

Owens, Robert D. J.: *See*—
Lewis, Idwal O., and Owens.

Owens, Robert J., Chattanooga, Tenn., assignor to Tennessee Valley Authority. Continuous integrating demand meter. 2,606,716, Aug. 12.

Owens, Victoria M., Baltimore, Md. Curtain rack or stretcher. 2,605,583, Aug. 5.

Owler, Robert N., Westminster, assignor to Heywood-Wakefield Company, Gardner, Mass. Adjustable footrest. 2,591,598, Apr. 1.

Owler, Robert N., Westminster, assignor to Heywood-Wakefield Company, Gardner, Mass. Car seat leg rest. 2,608,242, Aug. 26.

Owner, Frank M., S. W. Mansell, and F. C. I. Marchant, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Aircraft power plant having two or more gas turbine power units to drive one or more airscrews in various combinations. 2,589,853, Mar. 18.

Owren, Erling, Foster, and E. Karolczuk, Coventry, R. I.; said Karolczuk assignor to said Owren. Textile printing. 2,590,643, Mar. 25.

Oxford, Alan J. H., Christchurch, England. Communication system employing pulse code modulation. 2,592,061, Apr. 8.

Oxley, Arthur G. H., Banbury, and D. A. J. Oxley, near Banbury, England. Electric fuses and releasable connectors. 2,583,440, Jan. 22.

Oxley, Douglas A. J.: *See*—
Oxley, Arthur G. H. and D. A. J.

Oxley, Horace F.: *See*—
Allan, John, and Oxley.
Thomas, Edward B., and Oxley.

Oxley, Horace F., and E. B. Thomas, Spondon, near Derby, and H. C. Murfitt, London, England, assignors to Celanese Corporation of America. Textile treating compositions. 2,597,947, May 27.

Oxley, Walter T., Fergus Falls, Minn. Attachment for animal traps. 2,595,809, May 6.

Oxygen Equipment Mfg. Co., assignee: *See*—
Schutzer, Henry E., and Frohner.

Oyler Motor Transit Company, The, assignee: *See*—
Harrah, George D.

Oyster, Dale E.: *See*—
Boario, William R., and Oyster.

Oyston, William R., assignor to The Hewson Manufacturing Company Limited, London, England. Weight per unit length sorting device. 2,581,698, Jan. 8.

Ozark-Mahoning Company, assignee: *See*—
Lange, Willy, and Hood.

Ozarowski, Walter P., Devon, Conn. Windshield wiper. 2,589,854, Mar. 18.

P. A. M. Limited, assignee: *See*—
Holt, Herbert B. W.

P & K Incorporated, assignee: *See*—
Cooper, Leo.

P & L Products, Inc., assignee: *See*—
Parker, Thomas J.

P. O. M. Company, assignee: *See*—
McGuire, Winston B.

Paasche, Jens A., Chicago, Ill. Automatic multicolor airpainting apparatus. 2,610,578, Sept. 16.

Paasche, Jens A., Chicago, Ill. Automatic air painting unit with transverse oscillating action. 2,610,605, Sept. 16.

Paasche, Jens A., Wilmette, Ill. Water wash booth. 2,583,390, Jan. 22.

Paasche, Jens A., Wilmette, Ill. Powder coating assembly. 2,595,600, May 6.

Paasche, Jens A., Wilmette, Ill. Coating machine for applying dry particulate material. 2,602,418, July 8.

Paasche, Jens A., Wilmette, Ill. Antioffset apparatus. 2,605,138, July 29.

Paatero, Yrjö V., Helsinki, Finland. Chair for use in X-ray photographing of teeth. 2,613,726, Oct. 14.

Pabco Products Inc., assignee: *See*—
Stolz, Frederick A., and Vaught.

Pabst Brewing Company, assignee: *See*—
Hartig, Walter, and Smith.
Rue, Harold E., and Tigerman.

Pabst, Richard E., San Antonio, Tex. Low-temperature defrosting system. 2,589,855, Mar. 18.

Pabst, Richard E., assignor to Ed Friedrich, Inc., San Antonio, Tex. Two-decker dairy self-service refrigerator. 2,594,066, Apr. 22.

Pabst, Richard E., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open top frozen food refrigerator. 2,613,507, Oct. 14.

Pacault, Adolphe, Paris, France. Manufacture of a complex food composition containing nitrogen, phosphorus and calcium and products obtained. 2,617,729, Nov. 11.

Pace, Anderson, Jr., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinnerets coated by metal evaporation. 2,595,216, May 6.

Pace, Garland B., Camp Hill, Pa., assignor to Pipe Line Construction and Drilling Company, Pineville, W. Va. Pipe handling mechanism. 2,610,888, Sept. 16.

Pace, George W.: *See*—
Pace, Virgil and G. W.

Pace, Joseph S., Shreveport, La. Electrically controlled fuel burning automobile heater. 2,621,647, Dec. 16.

Pace, Stanley E., assignor of one-half to L. L. Cronkright, Pontiac, Mich. Loading conveyer. 2,620,575, Dec. 9.

Pace Tool Manufacturing Co., Inc., assignee: *See*—
Pace, Virgil and G. W.

Pace, Virgil and G. W., assignors to Pace Tool Manufacturing Co., Inc., Hattiesburg, Miss. Cylinder sleeve roller. 2,600,800, June 17.

Pachin, August L., assignee: *See*—
Cottrel, Ralph.

Pachin, Franklin R., assignee: *See*—
Cottrel, Ralph.

Pachter, Frank C., Chicago, Ill. Resilient pad for wrist watches. 2,601,942, July 1.

Pacific Bakery Machinery Co., assignee: *See*—
Bale, Andrew J., Jr.

Pacific Bridge Company, assignee: *See*—
Vedensky, Dmitri N.

Pacific Can Company, assignee: *See*—
Peterson, William B., Jr., and Renard.
Renard, Roland E.

Pacific Clay Products, assignee: *See*—
Brown, Meredith C.
Lacy, Roy, Rossier, and McClintock.
Simpson, Joseph A., and Sutherland.

Pacific Coin Lock Co., assignee: *See*—
Curren, Thomas F.

Pacific Flush Tank Company, assignee: *See*—
Schlenz, Harry E.

Pacific Laboratories, Inc., assignee: *See*—
Berglund, Ralph M.
Biery, Galen A.
Hube, Gottfried E.

Pacific Machinery Company, assignee: *See*—
De Back, William, and Luhdorff.

Pacific Mills, assignee: *See*—
Dalton, John N., and Ploubides.
Wilkie, Robert C.

Pacific Parachute Company, Inc., assignee: *See*—
Thompson, Charles E.

Pacifico, John, Staten Island, N. Y. Electric switch combined with fluid control valve. 2,596,505, May 13.

Pacillo, Ferdinando J., Chicago, Ill. Tooth powder dispenser. 2,580,947, Jan. 1.

Package Devices, Inc., assignee: *See*—
Jesnig, Charles J.

Package Machinery Company, assignee: *See*—
Palmer, Charles E.
Palmer, Frank D.
Schmied, Joseph M.
Wethe, Harry K., and Duncanson.

Packard, David, Los Altos, and N. B. Schrock, assignors to Hewlett-Packard Company, Palo Alto, Calif. Frequency measuring or indicating apparatus. 2,587,755, Mar. 4.

Packard, David, Los Altos, and N. B. Schrock, assignors, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Photoelectric system. 2,596,591, May 13.

Packard, E. B., Co., Inc., assignee: *See*—
Soderberg, Gustave J., and Packard.

Packard, John C., Los Angeles, Calif. Horological apparatus. 2,603,940, July 22.

Packard, Lucius E., Concord, and H. H. Scott, Lincoln, assignors to Technology Instrument Corporation, Waltham, Mass. Electric method and system for measuring impedance magnitude and phase angle. 2,593,175, Apr. 15.

Packard Motor Car Company, assignee: *See*—
Clifton, Robert P.
Lawter, Curtis N.
McFarland, Forest R.
McFarland, Forest R., Misch, and Foley.
O'Brien, James H.
Rosenlund, Iver T.
Schulz, Theodore R.
Storey, Frank E.
Tibbetts, Milton.
Vincent, Charles H.
Weiss, Erwin A., Frailing, and Clifton.
Williams, Robert M.
Wisiicenus, George F.

Packard, Theodore: *See*—
Soderberg, Gustave J., and Packard.

Packease-Servease Corp., assignee: *See*—
Barnhard, Harold J.

Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Tubular aluminum bail with reinforcing inserts at ends. 2,595,695, May 6.

Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Portable lantern having contact accommodating a single lantern battery or a plurality of flashlight cells. 2,608,639, Aug. 26.

Packer, Donald H., and P. R. George, Toledo, Ohio; said George assignor to said Packer. Power-operated bottle opener. 2,612,065, Sept. 30.

Packer, Donald M., Alexandria, Va. Abrasion resistance tester. 2,584,156, Feb. 5.

Packer, George E.: *See*—
Packer, Leonard and G. E.

Packer, John K., Norton, Mass. Automatic tourniquet. 2,614,565, Oct. 21.

Packer, Leonard and G. E., Glasgow, Scotland. Hot die printing machine. 2,620,727, Dec. 9.

Packers Supply Company Limited, assignee: *See*—
Abbott, Geoffrey J.
Keeble, William J.

Packie, John W., Maplewood, N. J., assignor to Standard Oil Development Company. Method and apparatus for handling fluidized solids. 2,589,124, Mar. 11.

Packie, John W., Maplewood, N. J., assignor to Standard Oil Development Company. Liquid-liquid extraction tower. 2,610,108, Sept. 9.

Packie, John W., Maplewood, N. J., assignor to Standard Oil Development Company. Contacting plate for liquid-liquid extraction tower. 2,622,968, Dec. 23.

Packmat A. G., assignee: *See*—
Widmer, Fritz, and Elmiger.

Padbury, John J.: *See*—
Kropa, Edward L., and Padbury.

Padbury, John J., Stamford, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Resinous compositions and preparing the same. 2,585,827, Feb. 12.

Padbury, John J., Stamford, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing liquid polymeric chlorotrifluoroethylene. 2,602,824, July 8.

Paddock, Richard K.: *See*—
Haney, Joseph K., and Paddock.

Paden, Frederick T., Washington, D. C. Corner brace and leg anchor. 2,608,455, Aug. 26.

Paden, Frederick T., Collingswood, N. J. Snowshoe. 2,615,260, Oct. 28.

Padevco, Inc., assignee: *See*—
Harmon, Gregory J.
Wilmotte, Raymond M.
Young, Larry L.

Padgett, Philip M., assignor, by mesne assignments, to Titeflex, Inc., Newark, N. J. Machine for making noncircular tubing on continuously rotating arbors. 2,618,233, Nov. 18.

Padilla, Carlos, New York, N. Y., and J. Mayer, Hackensack, N. J., assignors to Thriftimatic Corporation, New York, N. Y. Type locking mechanism. 2,607,597, Aug. 19.

Paduart, Andre: *See*—
Wets, Carlos, and Paduart.

Pad-Y-Wax Company, Inc., The, assignee: *See*—
Stroop, John H.

Paecht, William A. *See*—
Gray, Russell D., Jr., and Paecht.

Paerse-Laing Limited, assignee: *See*—
Laing, Robert.

Pagano, Joseph J., West Philadelphia, Pa. Convertible hassock. 2,620,018, Dec. 2.

Page, Carl M., Van Nuys, Calif. Flammable gas detector. 2,581,812, Jan. 8.

Page, Clarence, assignor to Page and Cox, Detroit, Mich. Article distributing machine. 2,586,988, Feb. 26.

Page, Claude M.: *See*—
Gasner, Leonard C., and Page.

Page and Cox, assignee: *See*—
Page, Clarence.

Page, Earl L., Nashville, Ind. Vertically adjustable table. 2,582,791, Jan. 15.

Page, Frank R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stocking and making the same. 2,601,451, June 24.

Page, George H., Cologny/Geneva, Switzerland. Apparatus for the suspension storage of sheets and transfer apparatus. 2,623,526, Dec. 30.

Page, Irving H.: *See*—
Koontz, Clarence E., and Page.

Page, Irving H., Washington, D. C. Variable capacitor. 2,591,717, Apr. 8.

Page, James: *See*—
Rose, Alfred G., and Page.
Rose, Alfred G., Kay, and Page.

Page, James M., Jr., Chicago, and V. Voorhees, Homewood, assignors to Standard Oil Company, Chicago, Ill. Submarine anchorage. 2,583,965, Jan. 29.

Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Tubing packer. 2,592,947, Apr. 15.

Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Anchor. 2,603,292, July 15.

Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Pump anchor. 2,604,945, July 29.

Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Releasable rod coupler. 2,605,122, July 29.

Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Well packer. 2,606,618, Aug. 12.

Page, John S., and J. S. Page, Jr., Long Beach, Calif. Fluid pressure actuated valve. 2,619,120, Nov. 25.

Page, John S., Jr.: *See*—
Page, John S., and J. S. Page, Jr.

Page, John W., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Vertically adjustable seat for vehicles. 2,598,421, May 27.

Page, Joseph, and C. Mattioli, New York, N. Y. Toilet tissue magazine and dispensing cabinet. 2,605,975, Aug. 5.

Page, Lee M.: *See*—
Page, Woodfin G. and L. M.

Page, Lee M., Opp, Ala., assignor of one-half to W. G. Page, Orlando, Fla. Transportation vehicle. 2,586,857, Feb. 26.

Page, Louis R., Jr., Radnor, and J. P. Croasdale, Jr., Daylesford, Pa., assignors, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Apparatus and method for making plastic folding containers. 2,589,022, Mar. 11.

Page, Mable T., Kansas City, Mo. Garment. 2,603,788, July 22.

Page Oil Tools Inc. assignee: *See*—
Page, John S.

Page, Oswald V., Pottstown, Pa., assignor, by mesne assignments, to Neapco Products Inc. Automatic brake adjusting means. 2,592,326, Apr. 8.

Page, Ralph E.: *See*—
Rabenda, Edward J., Page, and Beattie.

Page, Ralph E., Lagrangeville, and R. D. Dodge, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Type bar rest. 2,605,880, Aug. 5.

Page, Reginald V., Toms River, N. J. Poultry feed distributor. 2,617,562, Nov. 11.

Page, Richard S., Stretford, Manchester, England, assignor to General Electric Company. Multiple element electron lens arrangement. 2,586,559, Feb. 19.

Page, Richard S., Stretford, Manchester, England, assignor to General Electric Company. Introduction of specimens into discharge vessels. 2,602,899, July 8.

Page, Robert G., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,596,506, May 13.

Page, Robert G., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Switching member for circuit breakers. 2,597,368, May 20.

Page, Robert M., Washington, D. C. Wave form converter. 2,582,271, Jan. 15.

Page, Robert M., Washington, D. C. Pulse echo ranging cathode-ray tube sweep system. 2,590,884, Apr. 1.

Page, Robert M., Washington, D. C. Ring mounted multiple tube oscillator. 2,596,163, May 13.

Page, Robert M., Washington, D. C. Multiple tube, convergent line oscillator. 2,602,141, July 1.

Page, Robert M., Washington, D. C. Radio echo apparatus. 2,610,319, Sept. 9.

Page, Ronald, and W. Hunter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Preparation of dimethyl and diethyl phthalate from phthalic anhydride. 2,618,651, Nov. 18.

Page, William H.: *See*—
Worth, Harry J., Page, and Cook.

Page, Woodfin G., assignee: *See*—
Page, Lee M.

Page, Woodfin G., Orlando, Fla., and L. M. Page, Opp, Ala. Cigarette extinguisher. 2,620,805, Dec. 9.

Pagenhardt, Leonard C., Roanoke, Va. Air actuated chance device. 2,588,038, Mar. 4.

Pagenkemper, Arthur H., Glenolden, and B. S. Cain, Erie, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., and General Electric Company, Schenectady, N. Y. Railway drop coupler and draft gear. 2,580,588, Jan. 1.

Paget, Win W.: *See*—
Collins, Samuel C., and Paget.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rectification apparatus. 2,586,989, Feb. 26.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Method of and apparatus for treating gases. 2,588,656, Mar. 11.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Fluid pump drive. 2,603,980, July 22.

Pahl, Leo F.: *See*—
Day, Carl L., and Pahl.

Pahler, Christopher F., San Francisco, Calif. Storage battery. 2,603,670, July 15.

Paige, Byron L., Fort Sill, Okla. Pipe and cigarette lighter. 2,622,424, Dec. 23.

Paige, E. C., assignee: *See*—
Long, Robert L.

Paige, James: *See*—
Rose, Alfred G., and Paige.

Paillard S. A., assignee: *See*—
Ascoli, Enzo.
Prezioso, Giuseppe.
Thévenaz, Jean.

Paillard S. A., Sainte-Croix, assignee: *See*—
Ascoli, Enzo.
Chappuis, Ali.
Karolus, August, Hamburger, and Henry.
Prezioso, Giuseppe.

Pallie, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,586,249, Feb. 19.

Paine, George L.: *See*—
Harbison, Orville S., and Paine.

Paine, George R.: *See*—
McGuire, John P., Reed, and Paine.

Paine, Howard S.: *See*—
Hughes, Mary F., McCalip, Paine, and Rosenberg.

Paine, Louis A.: *See*—
Dorsam, William J., Paine, and Road.

Paine, Louis A., and K. M. Smith, West Lafayette, assignors to Duncan Electric Manufacturing Company, Lafayette, Ind. Connecting mechanism for demand meters. Re. 23,529, July 29.

Paist, Walter D.: *See*—
Shugar, Gershon J., and Paist.
Wickson, Edward J., and Paist.

Pajak, Theodore: *See*—
Engel, Harry C., Raab, and Pajak.

Pajak, Theodore P.: *See*—
Engel, Harry C., Troxell, and Pajak.

Pajak, Theodore P., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Metal foil honeycomb core. 2,609,068, Sept. 2.

Pajuoja, William O., assignor of one-half to C. A. Volgt, Deer River, Minn. Flare housing with simultaneously operated wick hood capping means on closure. 2,615,561, Oct. 28.

Pakala, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,619,617, Nov. 25.

Pakaluk, Edward and L. P., Chicago, Ill. Pie and tart fluter. 2,619,053, Nov. 25.

Pakaluk, Lottie P.: *See*—
Pakaluk, Edward and L. P.

Pakman, Marvin H., Trenton, N. J., and A. J. Dellaira, Astoria, N. Y. Tone improving means for accordions. 2,581,553, Jan. 8.

Pakswer, Serge, Elmhurst, Ill., assignor to The Rauland Corporation. Producing a raster screen for a television picture tube. 2,606,822, Aug. 12.

Pal Blade Co., Inc., assignee: *See*—
Mead, Gideon R.

Palace Corporation, assignee: *See*—
Arehart, David D., and Dittmer.
Hanson, Frank D., Parker, and Wagener.

Paladino, Albert J., Brooklyn, N. Y. Combined fire alarm and extinguisher holder. 2,614,519, Oct. 21.

Paladino, Angelo R., Elmont, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Convertible couch bed. 2,623,218, Dec. 30.

Palatnick, Aaron, Bronx, N. Y. Mirror means for gas jet viewer for oven gas flames. 2,597,667, May 20.

Palazzo, Louis, New York, N. Y. Bearing for transmission mechanism. 2,592,178, Apr. 8.

Palen, Peter H., Paterson, assignor to Reaction Motors, Inc., Dover, N. J. Three-way ball valve. 2,613,908, Oct. 14.

Palenchar, Paul J., Newton Falls, Ohio. Putty smoothing knife. 2,586,372, Feb. 19.

Palermo, Rafael S., Arecibo, P. R. Spring check valve. 2,623,540, Dec. 30.

Palesh, Frank G., Jr., Buffalo, N. Y. Tappet adjusting wrench. 2,601,796, July 1.

Palevsky, Harry, Chicago, and R. K. Swank, Urbana, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Voltage measuring apparatus. 2,613,236, Oct. 7.

Paley, Sam, Davenport, Iowa. Sheet feeding attachment. 2,620,184, Dec. 2.

Pálffy, L. Alphonso, Kispest, Hungary, assignor to Albert Strojan, New York, N. Y. Electric motor. 2,584,365 Feb. 5.

Palic Trading Corporation, assignee: *See*—
Luchsinger, Eugénie.

Palik, Frank, Kensington, Md. Multiple liquid processing container. 2,582,601, Jan. 15.

Palitto, John C., Akron, Ohio. Analytical rhombus. 2,593,914, Apr. 22.

Palka, Joseph F., Chicago, Ill. Lifting jack. 2,608,382, Aug. 26.

Palkman, Waldemar B., Sacramento, Calif. Whatnot shelf. 2,582,557, Jan. 15.

Pallet Devices, Inc., assignee: *See*—
Budd, Larry J.

Pallette, Gordon W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Ion source. 2,587,647, Mar. 4.

Palluel, Pierre: *See*—
Denis, Marcel, and Palluel.

Palm, George H., assignor to Illinois Stamping & Mfg. Co., Chicago, Ill. Spray gun. 2,611,650, Sept. 23.

Palma, Joseph, Jr.: *See*—
Adams, Bruce P., Palma, and Knapp.

Palmer, Adele, assignee: *See*—
Palmer, Charles M.

Palmer, Albert: *See*—
Cederlund, Albert, Palmer, and Schedin.

Palmer, Alice, assignee: *See*—
Palmer, Clyde C.

Palmer, B. J., assignee: *See*—
Thompson, Joseph C.

Palmer-Bee Company, assignee: *See*—
McBride, Jesse E., and Boehm.

Palmer, Brian C., Riverside, Ill., assignor to Rockwell Register Company. Taximeter. 2,596,164, May 13.

Palmer, Cecil A., executor: *See*—
Palmer, Chester A.

Palmer, Charles E., Glenview, Ill., assignor, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass. Container forming apparatus. 2,614,466, Oct. 21.

Palmer, Charles E., Somers, Conn., assignor to Package Machinery Company, East Longmeadow, Mass. Box forming machine. 2,599,008, June 3.

Palmer, Charles M., assignee: *See*—
Kramer, Saul.

Palmer, Charles M., Washington, D. C., assignor to A. Palmer, Brooklyn, N. Y. Eyelash curler. 2,598,718, June 3.

Palmer, Charles M., Washington, D. C., assignor to A. Palmer, Brooklyn, N. Y. Eyelash curler. 2,598,719, June 3.

Palmer, Chester A., deceased, Waynesville, by C. A. Palmer, executor, Vandalia, Ohio, assignor to N. Palmer. Shock tier. 2,596,717, May 13.

Palmer, Clyde C., deceased; A. J. Haney, administrator, assignor to A. N. Palmer, Cabool, Mo. Dockage and dust control for grain elevators. 2,617,531, Nov. 11.

Palmer, Dale A.: *See*—
Whisler, Ralph H., Jr., and Palmer.

Palmer, Frank D., Chicago, Ill., assignor, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass. Apparatus for making packages. 2,604,826, July 29.

Palmer, G. H., Limited, assignee: *See*—
Smart, Ernest.

Palmer, George, and S. E. Carver, assignors to G. Stibbe & Co. Limited, Leicester, England. Clutch mechanism of circular knitting machines. 2,608,075, Aug. 26.

Palmer, George H.: *See*—
Alexander, Cruzan, and Palmer.

Palmer, George J., Long Beach, Calif. Defectively labeled and nonlabeled can detecting device. 2,590,343, Mar. 25.

Palmer, Harold S., Keota, Iowa. Milking plant. 2,593,597, Apr. 22.

Palmer, Herald K.: *See*—
Armstrong, Daniel A., and Palmer.

Palmer, Jewell S., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distributing solids in gases in catalytic apparatus. 2,586,705, Feb. 19.

Palmer, John H., Milford, Conn., assignor to General Electric Company. Automatic electric toaster. 2,615,386, Oct. 28.

Palmer, John H., Milford, Conn., assignor to General Electric Company. Water control system for automatic washers and the like. 2,619,823, Dec. 2.

Palmer, John H., Milford, Conn., assignor to General Electric Company. Automatic electric toaster. 2,621,584, Dec. 16.

Palmer, John S., Evansville, Ind., assignor to International Harvester Company. Shelf arrangement for refrigerators or the like. 2,611,673, Sept. 23.

Palmer, John S., Evansville, Ind., assignor to International Harvester Company. Refrigerator cabinet. 2,618,527, Nov. 18.

Palmer, Leon B., Kearny, and R. W. Charlton, Verona, N. J., assignors to Congoleum-Nairn Inc. Method and products utilizing cashew nut shell liquid. 2,611,715, Sept. 23.

Palmer, Lewis E., Washington, assignor to Union Insulating Co., Inc., Parkersburg, W. Va. Apparatus for molding plastic lamp receptacles. 2,583,441, Jan. 22.

Palmer, Lewis E., Washington, assignor to Union Insulating Co., Inc., Parkersburg, W. Va. Electric lamp receptacle having eyelet shell securing means. 2,596,718, May 13.

Palmer Manufacturing Corp., assignee: *See*—
Palmer, Oscar C., and Mix.

Palmer, Nettie, assignee: *See*—
Palmer, Chester A.

Palmer, Oscar C., Phoenix, Ariz., and E. E. Mix, Los Angeles, Calif., assignors to Palmer Manufacturing Corp., Phoenix, Ariz. Fan assembly. 2,620,970, Dec. 9.

Palmér, Per A., Stockholm, Sweden. Sound insulation board. 2,587,884, Mar. 4.

Palmer, Philip, New York, N. Y. Pry type cap lifter. 2,581,875, Jan. 8.

Palmer, Philip C., Alvechurch, England. Fishing rod. 2,600,259, June 10.

Palmer, Philip C., Alvechurch, and H. W. James, Redditch, England; said James assignor to said Palmer. Fishing line reel. 2,615,647, Oct. 28.

Palmer, Ralph F., Montclair, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stand for dressforms and the like. 2,609,132, Sept. 2.

Palmer, Richard T.: *See*—
Keene, Shefford L., and Palmer.

Palmer, Robert L.: *See*—
Johnson, Howard W., and Palmer.

Palmer, Stanley B.: *See*—
Paulson, Roy F., and Palmer.

Palmer, Stanley B., Richmond Beach, and R. F. Paulson, Kirkland, Wash. Merchandise vending or dispensing machine. 2,607,652, Aug. 19.

Palmer, Vernon J., assignor to Bruner Corporation, Milwaukee, Wis. Water conditioning device. 2,604,446, July 22.

Palmer, Wilbur C., assignor to Corning Glass Works, Corning, N. Y. Glass drill. 2,594,487, Apr. 29.

Palmer, William B.: *See*—
Coultas, Wilbur J., Calvin, and Palmer.

Palmer, William C., and A. A. Kottmann, Davenport, assignors to The Bettendorf Company, Bettendorf, Iowa. Wrapping machine. 2,592,726, Apr. 15.

Palmer, William J. G., Surbiton, England. Camera. 2,584,912, Feb. 5.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Navigation computer and piloting system. 2,581,438, Jan. 8.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Continuous wave navigation system. 2,611,127, Sept. 16.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Radio navigation system for dirigible craft. 2,613,339, Oct. 7.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Phase shift timer. 2,621,238, Dec. 9.

Palmes, Edward D., New York, N. Y. Antifogging and antifrosting goggles. 2,612,640, Oct. 7.

Palmgren, Per G., assignor to SKF Industries, Inc., Philadelphia, Pa. Multirow roller bearing. 2,611,669, Sept. 23.

Palmgren, Per G., assignor to SKF Industries, Inc., Philadelphia, Pa. Roller bearing cage with closed-in face slot. 2,611,670, Sept. 23.

Palmieri, Joseph, Buffalo, N. Y. Electric lamp having a revolvable shade structure. 2,611,071, Sept. 16.

Palmieri, Salvatore, Rochester, N. Y. Single sole shoe seam and making the same. 2,621,426, Dec. 16.

Palmisano, Ignazio H., Chicago, Ill. Cord guide for Venetian blind tilt rails. 2,587,756, Mar. 4.

Palmleaf, Herbert, assignor to A. J. Gerrard & Company, Chicago, Ill. Pneumatic press. 2,612,951, Oct. 7.

Palmos, Frank P., Monroe, La. Dispenser for sliced bread. 2,595,481, May 6.

Palmquist, Marvin E., and E. W. Lundstrom, assignors to A. F. Wintercorn, Rockford, Ill. Bottle carrier. 2,585,032, Feb. 12.

Palo, Elias A.: *See*—
Styles, Wilbur V., and Palo.

Palo, Lilith M., Sault Ste. Marie, Mich. Clothes wringer. 2,595,404, May 6.

Palo, Maurice, and A. L. Dvorsky, assignors to The Astatic Corporation, Conneaut, Ohio. Universal phonograph tone arm. 2,601,126, June 17.

Palo, Maurice M.: *See*—
Angle, Belford C., Palo, and Kelly.

Palo, Maurice M., and F. W. Schmid, assignors to The Astatic Corporation, Conneaut, Ohio. Tone arm. 2,600,914, June 17.

Palotsee, John J., Youngstown, Ohio. Blade for hones. 2,585,402, Feb. 12.

Palotsee, John J., Youngstown, Ohio. Hone. 2,599,009, June 3.

Palotsee, John J., assignor to Julia Palotsee, Youngstown, Ohio. Immersion type washer and liquid agitating means therefor. 2,619,100, Nov. 25.

Palotsee, Julia, assignee: *See*—
Palotsee, John J.

Palsgrove Manufacturing Company, assignee: *See*—
Palsgrove, Maurice W.

Palsgrove, Maurice W., assignor to Palsgrove Manufacturing Company, Canal Winchester, Ohio. Device for connecting and disconnecting chain links. 2,616,241, Nov. 4.

Paltier Corporation, The, assignee: *See*—
Lundeen, Eugene T.

Paluev, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Gas bubble elimination in liquid-cooled electrical apparatus. 2,615,075, Oct. 21.
Palumbo, Vincent E., Cleveland Heights, Ohio. Bearing. 2,595,482, May 6.
Pamer, Andrew F., San Francisco, Calif. Automatic fish-hook. 2,592,727, Apr. 15.
Pamp, Clarence T., Jr., Shanks Village, N. Y., assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J. Filter pack. 2,582,27?, Jan. 15.
Pan, Wen Y., Collingswood, N. J., assignor to Radio Corporation of America. Interference-reducing system. 2,598,935, June 3.
Pan, Wen Y., Collingswood, N. J., assignor to Radio Corporation of America. Permeability tuned variable inductance. 2,621,324, Dec. 9.
Pan American Production Company, assignee: *See*—
Natho, Paul J.
Pan American Refining Corporation, assignee: *See*—
Brandt, Preston L.
Lee, Robert J., and May.
May, Paul D., and Lee.
Miron, Simon.
Ridgway, John A., Jr.
Wadsworth, Francis T.
Pan American World Airways, Inc., assignee: *See*—
Jergenson, George A.
Pancake, Evan: *See*—
Lord, Arthur H., Jr., and Pancake.
Pancake, Paul C., Huntington, W. Va. Anchoring device for signposts. 2,580,948, Jan. 1.
Pancoast, William G., Evanston, Ill. Dispensing applicator and massaging device. 2,584,735, Feb. 5.
Pandia, Inc., assignee: *See*—
Kehoe, Richard D., Surino, and Goodwin.
Panetta, Albert R., assignor to Electronic Research and Manufacturing Corporation, Cleveland, Ohio. System for using overtone activity of piezoelectric crystals. 2,613,320, Oct. 7.
Panfil, Conrad J., Sr., assignor to The Heinn Company, Milwaukee, Wis. Loose-leaf holder case. 2,620,801, Dec. 9.
Pangborn Corporation, assignee: *See*—
Gladfelter, Wiltie I.
Gladfelter Wiltie I., and Huyett.
Huyett, Robert B.
Huyett, Robert B., and Newell.
Huyett, Robert B., and Powell.
Keefer, Walter L.
Rosenberger, William A., and Keefer.
Vedder, Walter O.
Panhandle Eastern Pipe Line Co., assignee: *See*—
Young, Farrile S.
Panhandle Eastern Pipe Line Company, assignee: *See*—
Stephens, Dishman K.
Panhard, Paul, assignor to Societe Anonyme des Anciens Etablissements Panhard et Levassor, Paris, France. Connecting rod mounting. 2,607,639, Aug. 19.
Panhard, Paul, assignor to Société Anonyme des Anciens Etablissements Panhard et Levassor, Paris, France. Hydropneumatic suspension gear. 2,621,924, Dec. 16
Panken, Albert, Chicago, Ill. Frankfurter grill. 2,602,392, July 8.
Panken, Albert, Chicago, Ill. Disposable antiseptic telephone mouthpiece protector. 2,607,862, Aug. 19.
Panken, Albert, Chicago, Ill. Collapsible broiler and barbecue device. 2,618,730, Nov. 18.
Pankonin, Earl T., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Roller slide for radial arm shapers. 2,608,908, Sept. 2.
Pankonin, William G., Chicago, Ill. Staple remover. 2,596,719, May 13.
Pankratz, Howard J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Swab for tapered casing or tubing. 2,623,473, Dec. 30.
Pankratz, Howard J., and H. A. Dutcher, Bartlesville, Okla., and C. E. Alleman, Cactus, Tex., assignors to Phillips Petroleum Company. Fractional crystallization. 2,603,667, July 15.
Pannaci, Karl E., Gloversville, assignor to Lee Dyeing Co., of Johnstown, Inc., Johnstown, N. Y. Method and apparatus for the continuous setting of knitted fabrics formed of thermoplastic material. 2,591,861, Apr. 8.
Panoramic Laboratories, assignee: *See*—
Heller, Joseph I.
Hurvitz, Hyman.
Wallace, Marcel
Panoussiadis, Nicholas J.: *See*—
Vidalis, Peter G., and Panoussiadis.
Pansegrau, Arthur, Marshalltown, Iowa. Grease dispenser. 2,613,855, Oct. 14.
Pantek, Stanley J., Attica, Mich. Canning implement with supporting means for a jar and a funnel on the jar. 2,620,956, Dec. 9.
Panteleieff, Maxim, New York, N. Y. Smoke separator. 2,589,956, Mar. 18.
Panter, Carl, assignor to Haughton Elevator Company, Toledo, Ohio. Resilient stop for screw elevators. 2,587,757, Mar. 4.
Pantin, John, Chicago, and G. R. MacQuaker, Wheaton, Ill., assignors to Sun Chemical Corporation, Long Island City, N. Y. Printing ink containing a terpene modified phenol formaldehyde resin. 2,615,854, Oct. 28.
Pantsios, Athan A.: *See*—
Truhlar, John, and Pantsios.
Pantusco, Frank, Brooklyn, and D. Fischbein, New York, N. Y.: said Pantusco assignor to said Fischbein. Machine used in the making of piped buttonholes. 2,620,759, Dec. 9.
Panula, Gustaf: *See*—
Thorp, Clark E., and Panula.
Panza, Joseph E.: *See*—
Thorburn, David H., and Panza.
Panzer, William C., Chicago, Ill. Folding utility table with handle lock means. 2,618,525, Nov. 18.
Panzer, William C., Chicago, Ill. Package for smokers' stands. 2,622,732, Dec. 23.
Paola, Elizabeth G., Washington, D. C. Girdle. 2,598,720, June 3.
Paoli, Stephen A., Rockford, Ill. Cleaning shrimp. 2,594,205, Apr. 22.
Paoloni, Carlo, and A. Eusepi, Turin, Italy. Means for improving alkaline clay soils and manufacture. 2,623,819, Dec. 30.
Papa, Domenick: *See*—
Schwenk, Erwin, and Papa.
Sperber, Nathan, Papa, and Schwenk.
Papa, Domenick, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Production of halogenated aryl fatty acids. 2,580,459, Jan. 1.
Papa, Domenick, Brooklyn, N. Y., E. Klingsberg, New Brunswick, N. J., and E. Schwenk, Shrewsbury, Mass., assignors to Schering Corporation, Bloomfield, N. J. Etherified phenyl aliphatic acids and their salts. 2,606,922, Aug. 12.
Papa, William J.: *See*—
Podvinecz, Stephen J., and Papa.
Papadopoulos, Theofanis S., New York, N. Y. Safety device for refrigeration machines and the like. 2,587,203, Feb. 26.
Papajohn, Elisa D., Brooklyn, N. Y. Means for applying hair wave neutralizer fluid to the hair. 2,621,972, Dec. 16.
Paparelli, Joseph A.: *See*—
Hirszaon, Benjamin.
Hirszaon, Benjamin, and Paparelli.
Papay, James, East Chicago, Ind. Mechanical toy drive. 2,610,527, Sept. 16.
Papesy, Irene, assignee: *See*—
Jacoby, George.
Pape, Josephine, Reno, Nev. Dustpan. 2,583,154, Jan. 22.
Pape, Pasquale C., Bronx, N. Y. Bait holder cage. 2,603,030, July 15.
Papendick, Clarence A., Normandy, Mo. Cutting machine. 2,582,154, Jan. 8.
Paper Calmenson & Co., assignee: *See*—
Larson, Forrest D.
Paper Converting Machine Co., Inc., assignee: *See*—
Nystrand, Ernst D.
Paper Novelty Manufacturing Company, assignee: *See*—
Pettorossi, Joseph.
Paper Novelty Manufacturing Company, Inc., assignee: *See*—
Hart, Henry A.
Herold, Charles A., and Lee.
Paper Package Company, assignee: *See*—
Thaxton, James B.
Paper Patents Company, assignee: *See*—
Du Bois, Horace A.
Heller, Harold H., and Saunders.
Heller, Harold H., and Shirriff.
Hoel, Leroy W.
Valente, John E.
Valente, John E., and Wink.
Paper Strap Inc., assignee: *See*—
Crary, Jay D.
Paper Strap Incorporated, assignee: *See*—
Crary, Jay D.
Papesch, Viktor, Morton Grove, assignor to G. D. Searle & Co., Chicago, Ill. Hydroxyalkyl derivatives of 6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. 2,596,041, May 6.
Papesch, Viktor, Morton Grove, and E. F. Schroeder, assignors to G. D. Searle & Co., Chicago, Ill. Disubstituted cyanoalkanoylureas and thioureas and their production. 2,598,936, June 3.
Papesch, Viktor, Morton Grove, and E. F. Schroeder, assignors to G. D. Searle & Co., Chicago, Ill. Hydroxyalkyl alkyl derivatives of 5-nitroso-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinedione. 2,602,795, July 8.
Papesch, Viktor, Morton Grove, and E. F. Schroeder, assignors to G. D. Searle & Co., Chicago, Ill. Derivatives of 2-thio-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinedione. 2,615,020, Oct. 21.
Papierfabrik Fleischer G. m. b. H., assignee: *See*—
Lieder, Bruno.
Papini, Anthony, Ridgefield, N. J. Coaxial combustion products generator and turbine with cooling means. 2,618,120, Nov. 18.

Papirindustriens Forskningsinstitutt, assignee: *See*—
Stephansen, Erik.
Papp, Andrew, Grafton, Ohio, assignor to Regis Plastics. Blade and handle combination. 2,597,258, May 20.
Pappas, Nicholas A., Peabody, assignor of one-half to G. J. Roland, Lynn, Mass. Colostomy irrigator. 2,616,425, Nov. 4.
Paquette, Conrad T.: *See*—
Paquette, Robert G. and C. T.
Paquette, Robert G., Windsor, Vt., and C. T. Paquette, Claremont, N. H. Trimming device. 2,615,111, Oct. 21.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Bearing and lubrication thereof. 2,595,601, May 6.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Doffer for cotton pickers. 2,619,784, Dec. 2.
Paradise, Louis A., Moline, and J. H. Berry, Rock Island, assignors to Deere & Company, Moline, Ill. Feeder means for hay balers. 2,608,929, Sept. 2.
Paragon Electric Company, assignee: *See*—
Everard, Joseph J.
Morrison, David.
Paragon Revolute Corporation, assignee: *See*—
Wilde, Frederick G.
Para-Lux Products Company, assignee: *See*—
Kohl, William R., and Iverson.
Paramount Pictures Corporation, assignee: *See*—
Kneitel, Seymour.
Paramount Textile Machinery Co., assignee: *See*—
Richter, Henry.
Paramythioti, Jean M., assignor to Société Anonymes des Anciens Etablissements Albaret, Rantigny, France. Tamping roller. 2,611,443, Sept. 23.
Parapads Limited, assignee: *See*—
Frais, Samuel.
Pararra, Julius, assignor to Pararra-Lefer, Incorporated, Bridgeport, Conn. Moistureproof salt shaker. 2,614,732, Oct. 21.
Pararra-Lefer, Incorporated, assignee: *See*—
Pararra, Julius.
Paravox, Inc., assignee: *See*—
Tresise, Raleigh E., and Kendall.
Parcels, A. Arnold: *See*—
Boersma, Barney, and Parcels.
Parcells, M. Lloyd, assignee: *See*—
Anderson, Bryan.
Pardee, Curtis G., Detroit, Mich. Multiple clamping disk cutter head. 2,622,640, Dec. 23.
Pardee, Edward A., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Container. 2,595,202, Apr. 29.
Pardo, Luis G.: *See*—
Platero, Armando B., Pardo, and Bonsignore.
Parducci, William J., Yorkfield, Ill., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Cooling system for combustion gas turbines. 2,620,123, Dec. 2.
Parducci, William J., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Turbine assembly. 2,620,156, Dec. 2.
Pardue, Elbert M., Wilkesboro, N. C., and R. O. Higgins, Chase City, Va. Automatic control for headlights of motor vehicles. 2,615,079, Oct. 21.
Parduhn, Frank J. M.: *See*—
Monro, Randolph, Brown, Hinkamp, and Parduhn.
Paré, Arthur F.: *See*—
Paré, Barbara W. and A. F.
Paré, Barbara W. and A. F., Janesville, Wis. Thermoplastic adhesive. 2,608,540, Aug. 26.
Paré, Victor T., Westmont, N. J., assignor to Radio Corporation of America. Magneto-hydraulic motor for translating electrical energy into sound energy. 2,616,984, Nov. 4.
Paren, Per, assignor to Jonkopings Mekaniska Werkstads Aktiebolag, Jonkoping, Sweden. Treating waste liquor from paper. 2,582,792, Jan. 15.
Parenti, Fred L., Culver City, Calif. Juice catcher for cooking utensils. 2,607,338, Aug. 19.
Pargh, David, New York, N. Y. Labeling machine. 2,602,560, July 8.
Paridge, John K.: *See*—
Woodcock, Jack, and Paridge.
Paris, Hugh P., Seattle, Wash. Portable bathing device for animals. 2,611,341, Sept. 23.
Parish, Frank P., assignor to Sanitary Products Corporation, Taneytown, Md. Coiling article attached string. 2,584,913, Feb. 5.
Parish, Frank P., assignor to Sanitary Products Corporation, Taneytown, Md. Coiled end withdrawal string for tampons. 2,587,515, Feb. 26.
Parish, George A., Portland, Oreg. Fishing lure with clevis for replaceable spinners. 2,603,023, July 15.
Parish, Warren J. L., Chicago, Ill. Bathtub seat. 2,588,562, Mar. 11.
Parish, Willard E., and R. F. Lester, assignors to Crouse-Hinds Company, Syracuse, N. Y. Duplex electrical wall receptacle. 2,618,677, Nov. 18.
Parisi, Frank, New York, N. Y. Musical dozing animal toy. 2,620,594, Dec. 9.
Parisi, Jules T., Chicago, Ill. Mixer-muller. 2,610,373, Sept. 16.
Parisian Novelty Company, assignee: *See*—
Komorous, Louis J.
Park, David A., Washington, D. C., assignor to United States of America as represented by the Secretary of War. Ultrahigh-frequency panoramic receiver. 2,600,260, June 10.
Park, George W.: *See*—
Strehlow, Walter F., O'Harrow, and Park.
Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Mass polymerization of styrene at 285° C. 2,593,399, Apr. 22.
Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymerizing conjugated dienes with unsaturated nitriles in aqueous emulsion. 2,600,679, June 17.
Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymerizing conjugated dienes with unsaturated esters in aqueous emulsion. 2,600,680, June 17.
Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of styrene with cyclic succinoyl peroxide. 2,620,330, Dec. 2.
Park, Harold F., East Longmeadow, and M. J. Scott, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Self-supporting films from polyvinyl halide latex. 2,600,681, June 17.
Park, Harold F., East Longmeadow, and H. A. Walter, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Catalytic polymerization with pinacolone peroxide. 2,622,077, Dec. 16.
Park, Helen, executrix: *See*—
Park, William H.
Park Metalware Company, Inc., assignee: *See*—
Petre, John N.
Park, Robert H., Pluckemin, N. J., A. G. Russell, Arlington, Va., W. S. MacDonald, Westgate, Md., and R. R. Crookston, Washington, D. C. Streamline depth charge. 2,599,579, June 10.
Park, Robert H., West Hartford, Conn., assignor to Emhart Manufacturing Company. Slow speed glass feeder. 2,596,042, May 6.
Park, Tracy S., Jr.: *See*—
Park, Tracy S., Sr., and T. S. Park, Jr.
Park, Tracy S., Sr., and T. S. Park, Jr., Houston, Tex. Cooling tower. 2,608,398, Aug. 26.
Park, William H., deceased, Hooton, Wirral, England, by H. Park, executrix, Hooton, Wirral, assignor to Sigmund Pumps Limited, Gateshead, England. Seal between relatively rotatable parts. 2,599,122, June 3.
Parke, Davis & Company, assignee: *See*—
Jenesel, Nickolas D., Coleman, and Crooks.
Jones, Eldon M.
Kay, William W.
Long, Loren M., and Troutman.
McGinty, Daniel A.
Moersch, George W., and Moore.
Rawlins, Albert L., and Sultzaberger.
Tendick, Frank H.
Wagner, Romeo B., and Moore.
Parke, Donald C., and R. E. Sealer, Denver, Colo. Magnetic racing amusement device. 2,594,678, Apr. 29.
Parker, Alice, assignee: *See*—
Del Zoppo, Menotti.
Parker Appliance Company, The, assignee: *See*—
Davies, Robert H., and Hartley.
Hartley, Emmett C.
Sweeney, Morgan L., Jr.
Wolfram, John N.
Parker, Carl A., Clyde, Ohio. Garden tool. 2,610,886, Sept. 16.
Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Sheet handling apparatus. 2,581,598, Jan. 8.
Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Sheet handling apparatus. 2,581,599, Jan. 8.
Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Rotary saw on a traveling carriage. 2,605,840, Aug. 5.
Parker, Davis J., assignee: *See*—
Miller, Titus.
Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilization of polymerizable unsaturated dicarboxylic acid polyesters and mixtures thereof with vinylic monomers. 2,593,787, Apr. 22.
Parker, Earl W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Slitter for cable coverings. 2,616,172, Nov. 4.
Parker, Edward M., Rialto, assignor to Parklip, Inc., Los Angeles, Calif. Manufacture of laminated furring nail spacers. 2,618,311, Nov. 18.
Parker, Elgin R., assignee: *See*—
Maynard, James.
Parker, Emery: *See*—
Mack, Gerry P., and Parker.
Parker, Frank H., Cleveland Heights, assignor of one-half to S. C. Peplin, doing business as Lakewood Manufacturing Co., Westlake, Ohio. Mixing valve. 2,614,851 Oct. 21.
Parker, George E., assignor to Woodward Governor Company, Rockford, Ill. Governor. 2,602,654, July 8.

Parker, George E., assignor to Woodward Governor Company, Rockford, Ill. Condition control apparatus. 2,623,503, Dec. 30.

Parker, George H., assignor to Container Corporation of America, Chicago, Ill. Can carrier with foldable handle. 2,614,737, Oct. 21.

Parker, Harry L., St. Albans, assignor to American Speedlight Corporation, New York. Electronic flash device. 2,606,308, Aug. 5.

Parker, Henry J., and C. R. Anderson, assignors to Perand Products, Inc., Chicago, Ill. Tethered aerial top. 2,605,584, Aug. 5.

Parker, Henry R.: *See*—
Hanson, Frank D., Parker, and Wagener.

Parker, Howard W.: *See*—
Stone, Albert F., Hayden, and Parker.

Parker, Humphrey F.: *See*—
Robins, Erford E., and Parker.

Parker, Humphrey F., Buffalo, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Anti-skid chain. 2,583,155, Jan. 22.

Parker Industrial Products, Inc., assignee: *See*—
Baker, Marlin S.
Hall, Jesse E.
Mustard, James A.
Tefft, Ivan D.

Parker, James L., assignor to Prime Products Inc., Tampa, Fla. Producing a juice blend. 2,599,476, June 3.

Parker, James M., Glenhuntly, Victoria, Australia. Music printing or typewriting machine. 2,612,251, Sept. 30.

Parker, Jetro, Pine Bluff, Ark. Illuminating cane. 2,597,172, May 20.

Parker, John J., and L. T. Morawski, Detroit, Mich. Workholder. 2,580,949, Jan. 1.

Parker, Joseph A., Los Angeles, Calif. Collapsible arm support table for operating tables or beds. 2,609,261, Sept. 2.

Parker, Kirtley, Panama City, Fla. Drain valve. 2,585,675, Feb. 12.

Parker, Leland C., Elmira, N. Y., assignor to Bendix Aviation Corporation. Electric fuel pump control for internal-combustion engines. 2,609,809, Sept. 9.

Parker, Leon, Burbank, assignor to The H. I. Thompson Company, Los Angeles, Calif. Heat exchanger. 2,586,250, Feb. 19.

Parker, Leonard A., De Witt, Ark. Self-closing paste tube. 2,596,592, May 13.

Parker, Linus J., Windsor, assignor to International Business Machines Corporation, New York, N. Y. Polycentric articulated finger for artificial hands. 2,598,593, May 27.

Parker, Louis W., Jackson Heights, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Communication system. 2,589,285, Mar. 18.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Class AB operation of horizontal sweep amplifier. 2,583,012, Jan. 22.

Parker, Louis W., Little Neck, N. Y. Frequency stabilized transmitter. 2,604,585, July 22.

Parker-McCrory Manufacturing Company, assignee: *See*—
McCrory, Kenneth W., and Rollins.

Parker, Melvin J., New York, and A. J. Turpin, Stewart Manor, assignors to Hauck Manufacturing Co., Brooklyn, N. Y. Thawing pit for railway cars. 2,598,293, May 27.

Parker, Norman F., Los Angles, Calif., assignor to North American Aviation, Inc. Curve follower. 2,598,937, June 3.

Parker, Paul T., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of alcohol from olefins, carbon monoxide and hydrogen. 2,595,096, Apr. 29.

Parker Pen Company, The, assignee: *See*—
Baker, Marlin S.
Baker, Marlin S., and Zodtner.
Frentzel, Herman C.
Hull, Phillip C.
Tefft, Ivan D.
Zodtner, Harlan H.

Parker, Ralzemond B.: *See*—
Thresher, Russell W., and Parker.

Parker, Ray J., Fresno, Calif. Building guide. 2,616,180, Nov. 4.

Parker, Richard W., Springfield, Ohio, assignor to Parker Sweeper Company. Dome mounting. 2,602,198, July 8.

Parker, Robert P., Somerville, D. R. Seeger, Bound Brook, and E. Kuh, New Brunswick, N. J., assignors to American Cyanamid Company, New York, N. Y. Phosphoric acid derivatives and preparing the same. 2,606,900, Aug. 12.

Parker, Robert P., Somerville, D. R. Seeger, Bound Brook, and E. Kuh, New Brunswick, N. J., assignors to American Cyanamid Company, New York, N. Y. Organic phosphoric acid derivatives and preparing the same. 2,606,901, Aug. 12.

Parker, Robert P., Somerville, D. R. Seeger, Bound Brook, and E. Kuh, New Brunswick, N. J., assignors to American Cyanamid Company, New York, N. Y. Ethyleneimino derivatives of phosphoric acid and preparing the same. 2,606,902, Aug. 12.

Parker, Rollin J., Schenectady, N. Y., assignor to General Electric Company. Magnetic torque device. 2,591,463, Apr. 1.

Parker, Rollin J., Schenectady, N. Y., assignor to General Electric Company. Permanent magnet focusing device. 2,608,665, Aug. 26.

Parker Rust-Proof Company, assignee: *See*—
Gibson, Robert C.
Thompson, John S.
Ward, Herbert K.

Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Loom. 2,600,682, June 17.

Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Pile fabric loom. 2,610,652, Sept. 16.

Parker Sweeper Company, assignee: *See*—
Parker, Richard W.

Parker, Thomas J., Oaklandon, Ind., assignor to P & L Products, Inc., Cincinnati, Ohio. Hand toool drive. 2,601,788, July 1.

Parker, Warde L.: *See*—
Feeney, Thomas A., and Parker.

Parker, William, East Cleveland, Ohio. Punch. 2,587,516, Feb. 26.

Parker, William N.: *See*—
Garner, Lloyd P., and Parker.

Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Grid structure for electron discharge devices. 2,581,876, Jan. 8.

Parkes, Eric B., Selly Oak, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Vehicle windscreen wiper. 2,603,812, July 22.

Parkhurst, Arthur C., Denver, Colo., Mousetrap. 2,619,766, Dec. 2.

Parking Meter Advertising Company of Memphis and Nashville, Tennessee, assignee: *See*—
Sandahl, Charles L., Jr., and Hopkins.

Parkins, Albert W., assignor to General Motor Corporation, Detroit, Mich. Antichatter floating toolholder. 2,596,821, May 13.

Parkinson, David B.: *See*—
Hill, Henry E., and Parkinson.
Lovell, Clarence A., and Parkinson.

Parkinson, David B., Cleveland Heights, Ohio, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spaced-pulse impulse sender. 2,590,885, Apr. 1.

Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic impulse sender. 2,597,808, May 27.

Parkinson, David B., Cleveland Heights, and C. Bielecki, Parma, assignors to The Brush Development Company, Cleveland, Ohio. Capacitive measuring head. 2,604,513, July 22.

Parkinson, Leland J.: *See*—
Crawford, Henry V., and Parkinson.

Parklip, Inc., assignee: *See*—
Parker, Edward M.

Park-O-Mat, Inc., assignee: *See*—
Sinclair, Richard L.

Parks, Asbury S., Houston, Tex. Separating gas from liquids. 2,595,602, May 6.

Parks, Charles O., East Norwalk, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sender test circuit. 2,599,409, June 3.

Parks, Frank, assignor of forty-nine per cent to R. P. Parks, Astoria, Oreg. Rotatably and pivotally supported fluid pressure actuated tire demounter. 2,616,487, Nov. 4.

Parks, Herman D., Schenectady, N. Y., assignor to General Electric Company. Twenty-four-hour alarm clock. 2,583,794, Jan. 29.

Parks, Mercer H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Structure for drilling wells in deep water. 2,591,590, Apr. 1.

Parks, Mercer H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Foundation for use with soft surface formation. 2,607,198, Aug. 19.

Parks, Mercer H., and M. R. Jones, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for suspending pipe in boreholes. 2,607,422, Aug. 19.

Parks, Regis E., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Refrigeration and carbonation unit. 2,612,357, Sept. 30.

Parks, Robert P., assignee: *See*—
Parks, Frank.

Parks, William J., assignor to Motorola, Inc., Chicago, Ill. Venicle detecting system. 2,597,518, May 20.

Parks & Woolson Machine Co., assignee: *See*—
Hadley, Wilfred N.
Richardson, Charles G.

Parlini, Alexander C., Freeport, N. Y., E. Hascher, Irvington, and H. Recker, Ridgewood, N. J., assignors to Empire State Laboratories, New York, N. Y. Picture viewer mechanism. 2,583,442, Jan. 22.

Parmelee Plastics Company, assignee: *See*—
Moeller, William C.

Parmentier, Robert R., Upper Darby, Pa. Transparentizing compositions and process. 2,616,815, Nov. 4.

Parmesan, Daniel J., Houston, Tex., assignor, by mesne assignments, to Chiksan Company, Brea, Calif. Union having pressure responsive seal. 2,610,870, Sept. 16.

Parmet, Joseph, Catasauqua, Pa. Launderable wax-impregnated dusting cloth and the like. 2,618,803, Nov. 2.

Parnall (Yate) Limited, assignee: *See*—
Bickell, Stanley F., Shaw, Riddle, and Garrard.
Whitaker, Alfred.

Parovel, Giovanni, Sacramento, Calif. Preliminary track forming sander for bowling alleys. 2,603,918, July 22.

Parovel, Giovanni, Sacramento, Calif. Rotary disk cutter. 2,615,482, Oct. 28.

Parquette, Amie, Woodstock, Ill. Opening and closing mechanism for windows. 2,582,558, Jan. 15.

Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,586,706, Feb. 19.

Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,591,192, Apr. 1.

Parr, Keith, Preston, Victoria, Australia. Utilization of heat in vaporized fuel burners. 2,623,578, Dec. 30.

Parr, Thaddeus, and M. Zakheim, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chlorinated camphene-oil insecticidal compositions and making. 2,595,217, May 6.

Parramore, Thomas S.: *See*—
Clarke, William H. V., and Parramore.

Parre, Edwin: *See*—
Smith, Royal, Stoner, and Parre.

Parrine, John J., Rocky River, assignor to Strong Cobb & Company, Inc., Cleveland, Ohio. Automatic injecting ampule. 2,609,818, Sept. 9.

Parrish, Curtis M., Richmond, Va. Automatic weighing and dispensing machine. 2,618,456, Nov. 18.

Parrish, Earl M., Pittsburgh, Pa. Wear resistant blower surface. 2,616,764, Nov. 4.

Parrish, Norman C.: *See*—
Hodgson, Richard W., and Parrish.

Parrish, Norman C., Redondo Beach, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Impact plating. 2,618,572, Nov. 18.

Parrish, Ralph W.: *See*—
Morris, Layne H., and Parrish.

Parrish, Walter A., Grosse Pointe Woods, Mich., assignor to Research Engineering Corporation. Opposed piston internal-combustion engine. 2,611,349, Sept. 23.

Parrott, Harold G., Kansas City, Kans. Glass door guard. 2,619,689, Dec. 2.

Parrott, Robert D.: *See*—
Wise, Raleigh J., and Parrott.

Parrott, Thomas E., Tulsa, Okla. Tire deflating valve with pressure gauge. 2,611,386, Sept. 23.

Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper mechanism for blind-stitch sewing machine. 2,601,054, June 17.

Parry, Harvey L., Concord, and D. C. Waldman, Lafayette, assignors to Shell Development Company, Emeryville, Calif. Treatment of equipment. 2,610,166, Sept. 9.

Parry, Herbert B.: *See*—
Clark, George H., Rose, and Parry.

Parry, Ralph E., Cleveland, Ohio, assignor to General Electric Company. Lubricant seal for bearings. 2,615,734, Oct. 28.

Parry, Richard M., Teaneck, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for stressing concrete. 2,609,586, Sept. 9.

Parry, Robert E., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Inhibiting carbonate bloom. 2,617,746, Nov. 11.

Parry, Robert W.: *See*—
Ballar, John C., Jr., and Parry.

Parry, Vernon F., Golden, assignor to Silver Engineering Works, Inc., Denver, Colo. Furnace reactor. 2,600,425, June 17.

Parsegian, Vozcan L., and S. Swedlow, New York, N. Y., assignors, by mesne assignments, to Weston Electrical Instrument Corporation, Newark, N. J. Recording and controlling system. 2,592,179, Apr. 8.

Parsegian, Vozcan L., Brooklyn, N. Y., and C. M. Stevens, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for supplying charge material to mass spectrometers. 2,618,750, Nov. 18.

Parson, James C., Kansas City, Kans. Float operated measuring valve. 2,613,686, Oct. 14.

Parson, Norman E., Logan, Utah. Equipment to be used in road construction. 2,622,494, Dec. 23.

Parsons, Ben G., Grosse Pointe, assignor to Fuel Charger Corporation, Detroit, Mich. Fuel pump. 2,593,788, Apr. 22.

Parsons, Ben G., Grosse Pointe, Mich. Fluid motor or pump with collapsible chamber. 2,617,362, Nov. 11.

Parsons, C. A., & Company Limited, assignee: *See*—
Backhouse, Leonard S.
Bowden, Andrew T.
Bowden, Andrew T., and Kolb.
Martin, Albert E.

Parsons, Clinton H., Tampa, Fla., W. S. Campbell, Chicago, Ill., and W. W. West, Oklahoma City, Okla., assignors, by mesne assignments, to Swift & Company. Cream strainer. 2,619,232, Nov. 25.

Parsons Company, The, assignee: *See*—
Vaughn, George A.

Parsons, Edwin D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination strip film holder and guide. 2,605,685, Aug. 5.

Parsons, Floyd B., Fair Lawn, assignor to Specialties Development Corporation, Bloomfield, N. J. Rupturable sealing means for pressure fluids. 2,586,858, Feb. 26.

Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Copying machine. 2,589,204, Mar. 11.

Parsons, George C., San Pedro, Calif. Dump valve. 2,595,603, May 6.

Parsons, J. Howard, Los Alamos, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electronic analyzer. 2,605,332, July 29.

Parsons, John B., Maumee, Ohio. Switch mechanism. 2,580,950, Jan. 1.

Parsons, John B., Maumee, Ohio. Hydraulically operated regulator mechanism for vehicle windows or the like utilizing engine starter motor. 2,592,180, Apr. 8.

Parsons, John B., Maumee, Ohio. Switch unit. 2,619,554, Nov. 25.

Parsons, John B., Maumee, Ohio. Motor and pump assembly. 2,622,529, Dec. 23.

Parsons, John B., Spokane, Wash. Auxillary drinking cup. 2,582,934, Jan. 15.

Parsons, John B., Toledo, Ohio. Mounting clip for regulators. 2,590,450, Mar. 25.

Parsons, John B., Toledo, Ohio. Sealing device for piston and cylinder assemblies. 2,595,878, May 6.

Parsons, John B., assignor to M. W. Fraser, Toledo, Ohio, trustee. Valved closure assembly. 2,622,762, Dec. 23.

Parsons, John R., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-frequency welding control. 2,619,591, Nov. 25.

Parsons, John R., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency converter control. 2,619,625, Nov. 25.

Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See*—
Brown, Thomas W. F., and Yates.
Cleff, Peter H.
Darling, Robert F.
Peregrine, Edgar P.

Parsons Marine Steam Turbine Company Limited, The, assignee: *See*—
Cook, Stanley S., and Douglas.

Parsons, Robert J., Bridgeport, Conn., assignor to General Electric Company. Hydraulic power unit for presses and the like. 2,591,464, Apr. 1.

Parsons, Sydney: *See*—
Fearfield, George F., and Parsons.

Parsons, Walter W., Lakeville, Mich. Detachable light reflecting for vehicle bodies. 2,613,104, Oct. 7.

Partansky, Alexander M.: *See*—
Schrader, Paul G., and Partansky.

Partch, John G.: *See*—
Veatch, Franklin, and Partch.

Partch, John G., South Euclid, D. R. Day, Garfield Heights, and W. E. Scovill, Lakewood, assignors to The Standard Oil Company, Cleveland, Ohio. Cleanable sight glass in gauges. 2,605,640, Aug. 5.

Parthemore, Jacob A., Saltsburg, Pa. Sectional inner tube. 2,592,181, Apr. 8.

Partington, George E.: *See*—
Rust, Noël M., Partington, Plaistowe, and Fewings.

Partiot, Maurice, New York, N. Y. System for controlling flow of electric currents. 2,581,970, Jan. 8.

Partridge, Everett P., Beaver, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Milk protein products and process. 2,582,353, Jan. 15.

Partridge, John H.: *See*—
Dovey, Anne P., Manners, and Partridge.

Parva Products Company, assignee: *See*—
Webb, Harry A.
White, Paul W.
White, Paul W., and Schutz.

Pasanen, John, Merrick, N. Y. Antibacklash reel. 2,607,547, Aug. 19.

Pascal, Michael W.: *See*—
Hunn, James V., and Pascal.

Pascoe, Frank T.: *See*—
Jerome, Arthur L., Lewis, and Pascoe.

Pascoe, Frank T., Carnegie, and A. L. Jerome, Edgewood, Pa., assignors to Westinghouse Air Brake Company. Centralized traffic control system for the code control of interlocked switches and signals. 2,611,074, Sept. 16.

Pascoe, George: *See*—
Ford Motor Company.

Pascoe, George, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Wheel aligning device. 2,595,604, May 6.

Pascoo, Alex, New York, N. Y. Smoking pipe cleaner. 2,593,508, Apr. 22.

Paskell, Ernest, assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Swingably suspended electrically driven cutter device. 2,623,439, Dec. 30.

Pasker, Gerald J., Monticello, Iowa. Hydraulic line coupling. 2,599,935, June 10.

Pasotti, Felice G., Muncie, Ind., assignor to Ball Brothers Company. Glue-spotting apparatus. 2,608,949, Sept. 2.
Pasotti, Felice G., Muncie, Ind., assignor to Ball Brothers Company. Method and apparatus for glue-spotting containers. 2,609,306, Sept. 2.
Pasotti, Felice G., Muncie, Ind., assignor to Ball Brothers Company. Vacuum pack machine. 2,614,739, Oct. 21.
Pasquarella, Alfred M., near New Bedford, Pa. Gun sight. 2,600,801, June 17.
Pasquesi, Battista, assignee: *See*—
Giorgi, Adelmo.
Pasquier, Michel, assignor to M and M Wood Working Company, Portland, Oreg. Feeding means for variable width edge jointers. 2,595,879, May 6.
Pasquier, Michel, assignor to M and M Wood Working Company, Portland, Oreg. Manufacture of hollow panels. 2,610,938, Sept. 16.
Pass, Bernard: *See*—
Stanley, Richard B., and Pass.
Pass, Richard H., assignor to Onondaga Pottery Company, Syracuse, N. Y. Apparatus for compacting a refractory medium in a bung of chinaware. 2,595,880, May 6.
Pass, Richard H., and W. A. Johnson, assignors to Onondaga Pottery Company, Syracuse, N. Y. Apparatus for compacting a refractory medium in a bung of chinaware. 2,611,589, Sept. 23.
Passafaro, Anthony L., Fredonia, N. Y., assignor to Allegheny Ludlum Steel Corporation. Billet heating furnace. 2,620,174, Dec. 2.
Passal, Frank, Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Bright copper plating from cyanide baths. 2,609,339, Sept. 2.
Passannante, Charles A., Hempstead, N. Y., assignor to F-R Machine Works. Camera drive. 2,622,206, Dec. 16.
Passet, Robert, Vincennes, assignor to G. Lissac, Paris, France. Removable screen for spectacles. 2,602,372, July 8.
Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Plasticization of perhalocarbon polymers. 2,600,802, June 17.
Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Concentrating carotenes. 2,615,927, Oct. 28.
Passino, Herbert J., Englewood, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Production of nitroparaffins. 2,597,027, May 20.
Passino, Herbert J., Englewood, N. J., and O. Morfit, Hartsdale, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Decolorization of tallow. 2,621,198, Dec. 9.
Passmore, Andrew M., Burbank, Calif. Container for artificial dentures. 2,620,919, Dec. 9.
Paster, Elizabeth, Detroit, Mich. Skating shoe muff. 2,587,205, Feb. 26.
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir, Habana, Cuba. Cylinder lock. 2,596,720, May 13.
Pastor, Giraldo F.: *See*—
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir.
Pastore, Alfredo: *See*—
Ratner, Edith, and Pastore.
Pastore, Michele C., Visalia, Calif. Olive pitter. 2,590,268, Mar. 25.
Pastoret, Pierre P., St. Paul, Minn. Multiple mottler. 2,595,536, May 6.
Pastrick, Michael A., Perth Amboy, N. J. Electrical switch. 2,603,733, July 15.
Pastula, Joseph A., Hartford, Conn. Match package. 2,589,125, Mar. 11.
Pataki, Emery, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Ammunition booster. 2,617,330, Nov. 11.
Pataki, John: *See*—
Kaufmann, Stephen, Rosenkranz, and Pataki.
Rosenkranz, George, Kaufmann, and Pataki.
Patasce, Joseph A.: *See*—
Mariani, Dominic, Patasce, and Roebuck.
Patch, Allen J., deceased, Duluth, Minn.; R. M. Patch, Ripon, Wis., executrix. Springing device for pressure rollers. 2,622,426, Dec. 23.
Patch, Allen J., deceased, Duluth, Minn.; R. M. Patch, executrix. Oscillating impelling transmission means for washing machines and the like. 2,623,360, Dec. 30.
Patch, Anthony P., Detroit, assignor, by mesne assignments, to Dri-Flo Manufacturing Co., Hazel Park, Mich. Fountain pen with porous writing nib and reservoir filled with absorbent material. 2,593,599, Apr. 22.
Patch, Arthur C., Van Nuys, G. P. Peed, Jr., Pacific Palisades, and J. C. Cobin, Hawthorne, Calif., assignors to North American Aviation, Inc. Seal for aircraft controls. 2,620,208, Dec. 2.
Patch, Arthur H.: *See*—
Booth, George M., and Patch.
Patch, George W., Jr., White Plains, N. Y., and J. G. Van Vleet, Milwaukee, Wis., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Railroad tank car. 2,587,204, Feb. 26.
Patch, Ruth M., executrix: *See*—
Patch, Allen J.
Patchett, F. A., assignee: *See*—
Carpenter, Arthur H., and Calonico.
Patchett, Richard V.: *See*—
Levers, James F., and Patchett.
Patchett, Roy C.: *See*—
Hutchinson, Harry A., and Patchett.
Pate, Walter H.: *See*—
Stanley, Luther R., and Pate.
Pate, William H., Jr., assignee: *See*—
Clifton, Wayne L.
"Patelhold" Patentverwertungs- & Elektro-Holding A.-G., assignee: *See*—
Bloch, Heinz.
Lüdi, Frits.
Milliquet, Wladimir.
Von Baeyer, Hans J.
Patella, Luigi, Milan, Italy. Multiblades frame for sawing marble and other materials of constructive utility. 2,605,757, Aug. 5.
Patella, Luis, Buenos Aires, Argentina. Stone saw. 2,600,570, June 17.
Patent Button Company, The, assignee: *See*—
Clarke, Rollin R.
Patent Developers, Inc., assignee: *See*—
Myers, Albert F.
Patent Development Company, assignee: *See*—
Whisler, Ralph H., Jr., and Palmer.
Patent License Corporation, assignee: *See*—
Arenberg, Albert L.
Arenberg, Albert L., and Zimmerman.
Nordquist, Robert G.
Rahn, Orval W.
Patent and Licensing Corporation, The, assignee: *See*—
Campbell, John F., and Shirley.
Lamm, Raymond R.
MacDonald, Chester R.
Paul, Philip F., and Capps.
Perot, Jules J., Jr., and Cawley.
Reeser, Harry C.
Zenick, George.
Patent Management Inc., assignee: *See*—
Kline, Raymond V.
Patent Management, Incorporated, assignee: *See*—
Larson, Carl W.
Patent Scaffolding Co., Inc., The, assignee: *See*—
Huck, Joseph.
Patentes Talgo, S. A., assignee: *See*—
MacVeigh, James.
Omar, Alejandro G., de Oriol y Urquijo and MacVeigh.
Patentverwertung W. Reimers G. m. b. H., assignee: *See*—
Karig, Erhardt.
Pateras Pescara, Raul, Paris, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland. Free piston motor compressor. 2,581,600, Jan. 8.
Paternoster, Eric S., Queens Village, N. Y. Radiator designed to permit regulation of active heat radiation surface thereof. 2,584,914, Feb. 5.
Paterson Engineering Company, Ltd., assignee: *See*—
Bally, Edgar W.
Paterson, George M.: *See*—
Paterson, John M., and G. M.
Paterson, Ira W., Milton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker with blast valve motor assisting the contact motor. 2,597,126, May 20.
Paterson, John M., Glendale, and G. M. Paterson, Los Angeles, Calif. Marginal securing strip for carpets. 2,599,580, June 10.
Paterson, Nat, assignee: *See*—
James, George S.
Paterson, William, London, England. Reciprocating pump. 2,619,907, Dec. 2.
Patience, Edwin S.: *See*—
Patience, Warren R. and E. S.
Patience, Warren R., Franklin Square, and E. S. Patience, Hempstead, N. Y. Roller printer. 2,616,344, Nov. 4.
Patnode, Homer W., Hampton Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Determining formation factor of irregular rock samples. 2,583,276, Jan. 22.
Patnode, Homer W., Hampton Township, Allegheny County, and M. R. J. Wyllie, Indiana Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Electrode for determining cationic activity. 2,614,976, Oct. 21.
Paton, Clyde R., Birmingham, Mich. Wheel. 2,609,856, Sept. 9.
Paton, Clyde R., Bloomfield Village, Mich. Motor vehicle bonnet-fender. 2,606,625, Aug. 12.
Paton, James B., Dearborn, and F. J. Chandler, Detroit, Mich. Mixing rubber. 2,617,782, Nov. 11.
Paton, James B., and F. J. Chandler, Detroit, Mich. Packaging comminuted materials in containers of extruded thermoplastic materials. 2,618,814, Nov. 25.
Paton, James M., Fort William, Ontario, Canada. Swinging power-operated circular saw. 2,612,191, Sept. 30.
Paton, Roy W.: *See*—
Vogel, Howard H., and Paton.
Patrick, Isaac, assignor to Frederick Iron and Steel, Inc., Frederick, Md. Press inclining device. 2,602,508, July 8.
Patrick, John L., San Jose, Calif. Cutoff for fuel control of motor vehicles. 2,621,766, Dec. 16.

Patrick, Lawrence M., Detroit, Mich. Lamp switch. 2,612,570, Sept. 30.
Patrick, Tracy M., Jr.: *See*—
Emerson, William S., and Patrick.
Gluesenkamp, Earl W., and Patrick.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl chloride compositions. 2,594,488, Apr. 29.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of saturated oxonitriles. 2,594,489, Apr. 29.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Softening rubber. 2,606,166, Aug. 5.
Patrignani, Leonida, Bologna, Italy. Safety razor. 2,600,318, June 10.
Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,599,477, June 3.
Patroske, John A., assignee: *See*—
Pattyn, Pierre P.
Patry, Jean: *See*—
Müller, Josef, Patry, Baumberger, and Klein.
Pattat, Harlow M.: *See*—
Crossley, Royal E., and Pattat.
Pattee, John R., Madison, N. J., and C. W. Vermilyea, Middletown, Conn. Thread gauging apparatus. 2,618,861, Nov. 25.
Patten, Ray E., deceased, by C. L. De Pue, executor, Westport, Conn., assignor to General Electric Company. Frozen food drawer for refrigerators. 2,613,123, Oct. 7.
Pattenden, Warren C.: *See*—
King, Laurence F., and Pattenden.
Sproule, Lorne W., Pattenden, and King.
Patterson, C. J., Company, assignee: *See*—
Kimball, Charles N., Lewis, and Strecker.
Patterson, Carl T., Adrian, Mo. Power scythe and stalk cutter. 2,595,976, May 6.
Patterson, Carrel L., assignor to Dan River Mills, Incorporated, Danville, Va. Tension brake device. 2,592,595, Apr. 15.
Patterson, Donald G., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Craze resistant resinous coating, coated product, and making it. 2,609,321, Sept. 2.
Patterson, Donald G., Darien, and W. F. Turner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Protective overlay sheets and preparing same. 2,605,205, July 29.
Patterson, Earl M., and E. O. Behne, assignors to The Portage Machine Co., Akron, Ohio. Toolholder. 2,611,621, Sept. 23.
Patterson, Edie J., Stockton, Calif. Tool bar mounting. 2,593,176, Apr. 15.
Patterson Foundry & Machine Co., The, assignee: *See*—
Jebens, Raymond H.
Valentine, Kenneth S.
Patterson, Herman W., Overland Park, Kans. Tissue dispenser. 2,604,205, July 22.
Patterson, Herman W., Shaker Heights, Ohio. Spring device. 2,604,315, July 22.
Patterson, Ian L., Kuala Lumpur, Selangor, Malaya. Ore jigger. 2,612,996, Oct. 7.
Patterson, John A.: *See*—
Morgan, Jerome P., and Patterson.
Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Separation of ethane and ethylene by extractive distillation. 2,610,704, Sept. 16.
Patterson, John A., Westfield, N. J., assignor to Standard Oil Development Company. Condensation of sublimable material. 2,583,013, Jan. 22.
Patterson, John W., Jr., Sacramento, Calif. Oscillating variably lighted letter sign. 2,603,898, July 22.
Patterson, Lawrence B., Meadville, Pa. External-combustion engine with water injection. 2,611,240, Sept. 23.
Patterson, Louis L., Los Angeles, Calif. Liquid dispensing device having a globular combined applicator and outlet valve. 2,613,382, Oct. 14.
Patterson, Morehead, New York, N. Y., assignor to American Machine and Foundry Company. Bowling pin spotting and respotting apparatus. 2,586,707, Feb. 19.
Patterson, Morehead, New York, N. Y., assignor to American Machine and Foundry Company. Bowling ball lifting apparatus. 2,590,644, Mar. 25.
Patterson, Morehead, New York, N. Y., assignor to American Machine & Foundry Company. Bowling pin respotter. 2,611,611, Sept. 23.
Patterson, Morehead, New York, N. Y., assignor to American Machine & Foundry Company. Rod former tongue. 2,617,426, Nov. 11.
Patterson, Robert C., assignor to American Seating Company, Grand Rapids, Mich. Pivot mounting for kneeler rests or similarly mounted articles. 2,593,177, Apr. 15.
Patterson, Roger M., Eufaula, Okla. Circumferentially traveling type pedestal mounted tire removing device. 2,607,403, Aug. 19.
Patterson, Thomas A.: *See*—
Daniel, Al F., and Patterson.
Patterson, V. C., & Associates, Inc., assignee: *See*—
Patterson, Velt C.
Ruff, Alonzo W.
Patterson, Velt C., assignor to V. C. Patterson & Associates, Inc., York, Pa. Refrigeration control apparatus. 2,581,330, Jan. 1.
Patterson, W. W., administrator: *See*—
Stuits, Johnny G. W.
Patterson, Walter M., Freeport, assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Titanium additions to stainless steels. 2,597,173, May 20.
Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc. Apparatus for securing dry steam. 2,594,490, Apr. 29.
Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc. Gas generator and waste heat boiler. 2,601,001, June 17.
Patterson, Ward S., Chappaqua, assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Water-cooled tubular spout for molten fluid. 2,602,022, July 1.
Patterson, Ward S., Chappaqua, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Gas and steam generator for systems for obtaining fuel gases and other products from natural gas and the like. 2,603,559, July 15.
Patterson, Ward S., Chappaqua, assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Boiler. 2,517,394, Nov. 11.
Patterson, Ward S., and E. M. Powell, Chappaqua, N. Y., assignors to Combustion Engineering-Superheater, Inc. Superheater baffling. 2,614,544, Oct. 21.
Patterson, Ward S., Chappaqua, and E. C. Witzke, Bayside, N. Y., assignors to Combustion Engineering-Superheater, Inc. Header and tubes of a forced circulation steam generator. 2,615,434, Oct. 28.
Patterson, William J.: *See*—
Darrow, Merritt I., Biddinger, and Patterson.
Patterson, William J., Leeds, England. Pedal propelled driving mechanism for bicycles and the like. 2,581,877, Jan. 8.
Pattinson, John R., Hutchinson, Kans. Centrifugal separator. 2,587,206, Feb. 26.
Pattinson, Reginald L., Aylmer, Ontario, Canada. Storing gases or liquids. 2,590,066, Mar. 18.
Pattner, Jacob, New York, N. Y. Governor operated steadying wheels for motorcycles. 2,589,023, Mar. 11.
Patton, Edward A.: *See*—
Baker, Merle W., Bell, Curtis, and Patton.
Patton, Edward A., and F. F. Bell, assignors to Curtis Companies Incorporated, Clinton, Iowa. Making cellulosic board. 2,618,813, Nov. 25.
Patton, Harold A., Eureka, Calif. Whaler holder. 2,602,620, July 8.
Patton, James D., Windber, Pa. Clothes rack for vehicles. 2,582,650, Jan. 15.
Patton, John P. G.: *See*—
Hopkins, Alfred, Drum, and Patton.
Patton, John W., Philadelphia, Pa., and R. G. Cudini, Birmingham, Mich.; said Patton assignor to American Car and Foundry Company, New York, N. Y. Hinge. 2,597,174, May 20.
Patton, Paul B., Shaker Heights, Ohio. Heated drum for warm air furnaces. 2,597,026, May 20.
Patton, Stuart, and C. M. Stine, State College, Pa., assignors, by mesne assignments, to The Pennsylvania Research Corporation. Separating butterfat from globules thereof. 2,617,731, Nov. 11.
Patton, Temple C., Mountainside, assignor to The Baker Castor Oil Company, Jersey City, N. J. Film applicator for liquid or viscous material. 2,603,809, July 22.
Patton, Temple C., and L. J. Jubanowsky, Mountainside, assignors to The Baker Castor Oil Company, Jersey City, N. J. Stabilization of vinyl halide polymers. 2,580,460, Jan. 1.
Patton, William D.: *See*—
Dorfman, Hiller D., and Patton.
Patton, William J., Philadelphia, Pa. Fender mounted directed-beam automobile head lamp. 2,587,374, Feb. 26.
Pattyn, Pierre P., Detroit, Mich., assignor, by mesne assignments, to J. A. Patroske. Sound reproducing apparatus. 2,598,132, May 27.
Pattyn, Pierre P., Detroit, Mich., assignor, by mesne assignments, to J. A. Patroske. Electrical musical instrument. 2,607,256, Aug. 19.
Pattyn, Pierre P., Detroit, Mich., assignor, by mesne assignments, to E. Morasco. Push-button multiple switch. 2,613,290, Oct. 7.
Patzak, Karel, Prague, Czechoslovakia. Portable filing, milling, and grinding machine. 2,612,784, Oct. 7.
Patzer, William, assignor to C. E. Threedy, Chicago, Ill., as trustee. Coin selector. 2,607,461, Aug. 19.
Patzer, William, assignor to C. E. Threedy, Chicago, Ill., as trustee. Step-up mechanism. 2,609,698, Sept. 9.
Pauch, John E., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Antenna system. 2,618,746, Nov. 18.
Pauchborn Corporation, assignee: *See*—
Garver, Ralph R.
Pauhu, Olva K., Hibbing, assignor of fifty per cent to N. Williams, Nashwauk, Minn. Can opener with magnetic lid holder. 2,602,223, July 8.
Paul, Benjamin F., deceased, Elwood, Ind.; M. H. Paul, administratrix of said B. F. Paul. Casket seal structure. 2,585,403, Feb. 12.

Paul, Benjamin F., deceased, Elwood, Ind.; M. H. Paul, administratrix. Casket corner construction. 2,594,580, Apr. 29.

Paul, Benjamin F., deceased, Elwood, Ind.; M. H. Paul, administratrix. Casket seal structure. 2,598,422, May 27.

Paul, Carl H., Peoria Heights, and B. F. Vogelaar, East Peoria, assignors to Caterpillar Tractor Co., Peoria, Ill. Pattern fixture for making molds for turbines. 2,611,161, Sept. 23.

Paul, Carl W., New York, N. Y. Display device for fur scarves. 2,593,049, Apr. 15.

Paul, Carl W., New York, N. Y. Slicing and storing device. 2,595,696, May 6.

Paul, Clifton J., Del Paso Heights, Calif. Corn roaster. 2,589,625, Mar. 18.

Paul, Clifton J., Del Paso Heights, Calif. Roaster. 2,589,626, Mar. 18.

Paul, Edwin R.: *See*—
Backburn, George F., and Paul.

Paul, Edwin R., Washington, D. C. Spark plug. 2,591,718, Apr. 8.

Paul, Frederick W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined electric protection and warp stop for looms. 2,586,373, Feb. 19.

Paul, Hubert W., and E. C. Shuman, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Composite fire door. 2,593,050, Apr. 15.

Paul, John L., Long Beach, Calif. Trammel type comparator with dial indicator. 2,622,332, Dec. 23.

Paul, Lawrence N., and L. E. Sicard, Minneapolis, Minn. Vent pipe cap. 2,601,820, July 1.

Paul, Leonard B., assignor of one-fourth to J. Malchin and one-fourth to E. Brusatori, Joliet, Ill. Vehicle headlight. 2,612,616, Sept. 30.

Paul, Lewis A., assignor to Beech Aircraft Corporation, Wichita, Kans. Writing and drawing implement. 2,595,097, Apr. 29.

Paul, Lewis A., assignor to Beech Aircraft Corporation, Wichita, Kans. Fountain pen point. 2,600,426, June 17.

Paul-Lewis Laboratories, Inc., assignee: *See*—
Oesting, Ralph B.

Paul, Mildred H., administratrix: *See*—
Paul, Benjamin F.

Paul, Milton, Great Neck, N. Y. Washing device. 2,593,178, Apr. 15.

Paul, Philip F., North Hollywood, Calif., and R. Capps, Seattle, Wash., assignors to The Patent and Licensing Corporation, New York, N. Y. Chick shipping container. 2,615,611, Oct. 28.

Paul, Raymond, Versailles, and S. Tchelitcheff, Vitry-sur-Seine, assignors to Societe des Usines Chimiques Rhone Poulenc, Paris, France. Production of 1,1,3-trialkoxyalkanes. 2,622,101, Dec. 16.

Paul, Richard M., Millard, Nebr. Rotary shelf refrigerator. 2,588,563, Mar. 11.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Demountable tractor mower. 2,608,042, Aug. 26.

Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit interrupter. 2,604,562, July 22.

Paulding, Herbert L.: *See*—
Ackell, Joseph J., and Paulding.

Paule, Willy, Stuttgart, and M. Knapp, Hoflugen, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany. Control means for directional signal systems for motor vehicles. 2,608,627, Aug. 26.

Pauley, Harold R., assignee: *See*—
McEachran, Paul R.

Paul-Huhne, Henry, Great Missenden, England. Electric resistance apparatus. 2,613,300, Oct. 7.

Paulich, Joseph, Koehler, N. Mex. Bassinet rocker. 2,609,863, Sept. 9.

Pauling, Linus: *See*—
Campbell, Dan H., Koepfli, and Pauling.

Pauliot, Paul, assignee: *See*—
Fortin, Charles A.

Paulison, William L., Jr.: *See*—
Mittendorf, Harvey C., and Paulison.

Paulison, William L., Jr., Ridgewood, and H. C. Mittendorf, East Orange, N. J.; said Paulison assignor to Bailey Meter Company, and said Mittendorf assignor to Combustion Engineering-Superheater, Inc. Control system for electric steam generators. 2,612,592, Sept. 30.

Paullin, Sam: *See*—
Miller, Frank G., and Paullin.

Paulo Products Company, assignee: *See*—
Stogsdill, Sherman L., and Rassieur.

Paulsen, Edward H., Baltimore, Md. Differential pressure sampling device. 2,583,060, Jan. 22.

Paulsen, Edward H., White Plains, N. Y. Sampling apparatus. 2,608,098, Aug. 26.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,600,427, June 17.

Paulsen, Ingomar, assignor of fifty per cent to R. Ritchie, Fontana, Calif. Hose guide. 2,603,432, July 15.

Paulsen, Neal L., Minneapolis, Minn., assignor to Reynolds Metals Company, Richmond, Va. Making airtight moistureproof closed containers. 2,603,046, July 15.

Paulsen, William R., Cleveland, Ohio. Atmospheric pressure regulator. 2,587,375, Feb. 26.

Paulshock, Marvin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making phosphoramides. 2,613,224, Oct. 7.

Paulson, Arthur W., Summit, N. J., S. A. Hornung, New York, N. Y., and H. E. Galanty, Hillside, N. J., assignors to Otis Elevator Company, New York, N. Y. Call measuring apparatus. 2,619,592, Nov. 25.

Paulson, Roy F.: *See*—
Palmer, Stanley B., and Paulson.

Paulson, Roy F., Kirkland, and S. B. Palmer, Richmond Beach, Wash. Coin-controlled mechanism for merchandise dispensing devices. 2,596,430, May 13.

Paulus, Robert C., Portland, Oreg. Fruit inspection and grading system. 2,618,387, Nov. 18.

Paulvé, Marcel, Parmain, assignor of one-half to Societe Française des Munitions, de Chasse, de Tir et de Guerre (Anciens Etablissements Gevelot & Gaupillat), Societe Anonyme, Paris, France. Cocking mechanism for shotguns. 2,603,021, July 15.

Paulvé, Marcel L. A., Parmain, France. Metal cartridge and producing same. 2,591,286, Apr. 1.

Pauly, Jacob L.: *See*—
Holmes, Bradford B., and Pauly.

Pavelka, Frederico, Milan, Italy. Electroosmotic apparatus. 2,593,915, Apr. 22.

Pavelka, Joseph, assignee: *See*—
McCullough, Paul J.

Pavelle Color Incorporated, assignee: *See*—
Pavelle, Leo.

Pavelle, Leo, Mount Vernon, assignor to Pavelle Color Incorporated, New York, N. Y. Projection printer. 2,581,136, Jan. 1.

Pavelle, Leo, Mount Vernon, assignor, by mesne assignments, to Pavelle Color Incorporated, New York, N. Y. Projection printer. 2,616,331, Nov. 4.

Pavia, Charles, New Market, Va., assignor to Pavia Process, Inc., Washington, D. C. Rendering fats. 2,616,910, Nov. 4.

Pavia Process, Inc., assignee: *See*—
Pavia, Charles.

Pavitt, Frederick J., assignor to Allen West and Company Limited, Brighton, England. Electrical switch mechanism. 2,599,657, June 10.

Pavlak, Joseph P., South St. Paul, Minn. Hose reeling apparatus. 2,614,434, Oct. 21.

Pavlecka, John, Oak Park, Mich. Rotary hydraulic torque converter transmission. 2,614,391, Oct. 21.

Pavlecka, Vladimir H., Pacific Palisades, and F. Dallenbach, Inglewood, assignors, to Turboelectric Corporation, Beverly Hills, Calif. Operation and regulation of thermal power plants. 2,608,822, Sept. 2.

Pavlic, Albert A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Surfaces of plastics coated with ink containing a chlorinated or chlorosulfonated polymer of ethylene. 2,618,574, Nov. 18.

Pavlik, Charles J., assignor to The Gates Rubber Company, Denver, Colo. Antiskid tire tread. 2,607,386, Aug. 19.

Pavlinetz, George, Carteret, N. J. Terminal having solderless conductor clamping means. 2,603,679, July 15.

Pavlish, Arnold E.: *See*—
Sebok, Joseph B., Browne, and Pavlish.

Pawelsky, Vernon R., L. V. McCarty, and C. E. Zarwell, Milwaukee, Wis., assignors to A P Controls Corporation. Thermoelectric gas valve. 2,583,795, Jan. 29.

Pawelsky, Vernon R., and E. R. Rack, Milwaukee, Wis., assignors to A P Controls Corporation. Safety control. 2,592,327, Apr. 8.

Pawl, Walter S., Hyattsville, Md. Planetary type engine. 2,615,436, Oct. 28.

Pawley, Myron G., Alexandria, Va., assignor to the United States of America as represented by the Secretary of the Navy. Phase shifting network. 2,606,966, Aug. 12.

Pawlicki, Gerard S., Urbana, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Thermoelectrically balanced meter network. 2,588,564, Mar. 11.

Paxhia, Emanuel F., Tonawanda, assignor to Wales-Strippit Corporation, North Tonawanda, N. Y. Actuating element for reciprocable machine elements. 2,586,478, Feb. 19.

Paxson, Homer D., Salem, Ohio. Clamp means. 2,587,517, Feb. 26.

Paxson, Homer D., Salem, Ohio. Expansible mandrel. 2,587,885, Mar. 4.

Paxton, Dewey M., Phoenix, Ariz., assignor to Industrial Research, Inc. Pressure jet apparatus. 2,590,593, May 13.

Paxton, Dewey M., Phoenix, Ariz., assignor to Industrial Research, Inc. Cleaning apparatus for the cooling systems of engines. 2,603,227, July 15.

Paxton, Homer W.: *See*—
Ladd, Elbert C., and Paxton.

Paxton, John W.: *See*—
Hurst, Edmund E., and Paxton.

Paxton, William A., assignee: *See*—
Bugg, Charles H.

Payamps, Augustin P., Philadelphia, Pa. Universal indicator. 2,607,990, Aug. 26.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Feeding means for tube and other long workpieces. 2,603,343, July 15.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for forming tubing or the like into coils. 2,616,156, Nov. 4.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Work holder. 2,622,488, Dec. 23.

Payne, Carlos B., assignor of twenty per cent to J. A. Bass, San Antonio, Tex. Golf club holding clip. 2,589,126, Mar. 11.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Rotary mechanical seal. 2,592,728, Apr. 15.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Driving means for fluid seals. 2,610,874, Sept. 16.

Payne, Harold S., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc starting method and composition. 2,596,165, May 13.

Payne, Jack Q.: *See*—
Barusch, Maurice R., and Payne.

Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Kiln for regenerating absorbents. 2,580,827, Jan. 1.

Payne, Robert E., Bywood, Upper Darby, Pa., assignor to The Sharples Corporation. Sedimentation tower. 2,597,899, May 27.

Payne, Samuel, Denver, Colo. Tuning circuit for resistor-capacitor oscillators. 2,619,534, Nov. 25.

Payne, Samuel G., New Bedford, Mass. Convertible collar for shirts or the like. 2,604,628, July 29.

Payne, Viron E., Sun Valley, Calif. Fuel duration meter. 2,614,422, Oct. 21.

Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Ribbon inker printing method and apparatus therefor. 2,586,560, Feb. 19.

Payne, Willard A., and W. E. Vail, Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Controlled oxidation of alcohols to aldehydes using sulfur compounds. 2,618,660, Nov. 18.

Payne, William H., Hinsdale, Ill. Oil-burning and control apparatus. 2,594,206, Apr. 22.

Payne, William H., Hinsdale, Ill. Liquid supply tank. 2,604,230, July 22.

Paynter, Frederick C., Moonee Ponds, assignor to The Steel Company of Australia Proprietary Limited, Coburg, Victoria, Australia. Cast wheel of rolling stock. 2,609,229, Sept. 2.

Paynter, Horace J., Union, and F. Derrer, West Orange, N. J., assignors to American Can Company, New York, N. Y. Mechanism for gently engaging and feeding fragile articles. 2,597,900, May 27.

Paysinger, Jesse A., Cuyama, assignor of thirty-five per cent to L. E. Scurlock, Maricopa, Calif. Magnetic fishing tool. 2,582,602, Jan. 15.

Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. High temperature high strength alloys. 2,587,613, Mar. 4.

Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Age hardening austenitic steel. 2,606,113, Aug. 5.

Payton, Jerome, Morris, N. Y. Uterus retaining truss and harnessing means therefor. 2,606,552, Aug. 12.

Peabody Engineering Corporation, assignee: *See*—
Clark, Edward R.
McGuire, Le Roy A.
Sloan, Stephen A.

Peabody, Howard B., Lake Forest, assignor to The Pioneer Company, Chicago, Ill. Switch mechanism for model railroads. 2,615,125, Oct. 21.

Peach, Edward C., San Francisco, Calif. Garden implement. 2,618,500, Nov. 18.

Peach, William H., Chicago, and R. D. Malm, assignors to Clayton Mark & Co., Evanston, Ill. Tubular joint. 2,614,827, Oct. 21.

Peak, Junior A. B.: *See*—
Kantzman, Frank, and Peak.

Peal, Edward J., Durham, N. H., and R. Zuckerman, Brooklyn, N. Y., assignors to Kidder Press Company, Inc., Dover, N. H. Work supporting means for rotary aniline printing presses. 2,623,458, Dec. 30.

Peale, Louise F.: *See*—
Spring, Samuel, and Peale.

Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Switch lock for power-driven tools. 2,588,565, Mar. 11.

Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Nipple chuck. 2,598,423, May 27.

Pear, Charles B., Jr., College Park, Md., assignor to Washington Institute of Technology, Washington, D. C. Radiosonde calibration method. 2,591,600, Apr. 1.

Pearce, Arthur W., Whittier, Calif. Chain saw gauge. 2,612,702, Oct. 7.

Pearce Development Company, assignee: *See*—
Pearce, Lewis C.

Pearce, Frank G.: *See*—
O'Connor Buell, and Pearce.

Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Bomb release system. 2,608,131, Aug. 26.

Pearce, John H., Seattle, Wash. Tension press for sheet materials. 2,604,037, July 22.

Pearce, John H., Seattle, Wash. Corrugated, air distributing underbody for water-borne vessels. 2,608,171, Aug. 26.

Pearce, Lewis C., Berea, assignor to Pearce Development Company, Cleveland, Ohio. Collating machine. 2,589,428, Mar. 18.

Pearcy, Myrtle S., Sacramento, Calif. Disposable urinal with liquid trap. 2,593,051, Apr. 15.

Pearce, Owen A., and R. Taylor, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Automatic switch. 2,581,699, Jan. 8.

Pearce, Stephen F., Upper Tooting, London, England, assignor to Imperial Chemical Industries Limited. Modified phenol-furfural molding compositions and making same. 2,606,887, Aug. 12.

Pearce, William L., Houston, Tex. Pipe holding slip. 2,580,828, Jan. 1.

Pearl, Donald: *See*—
Collins, Edward J., Breither, and Pearl.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Ultraviolet-radiation impervious wrapping material. 2,580,461, Jan. 1.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Preparing guaiacyl compounds from lignin. 2,602,089, July 1.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Alkyl vanillate ointment. 2,609,323, Sept. 2.

Pearlman, Harry, Syracuse, N. Y. Portable vegetable peeling machine. 2,613,712, Oct. 14.

Pearlson, Wilbur H., Bald Eagle, White Bear Township, Ramsey County, and L. J. Hals, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Production of olefinic C$_4$'s. 2,617,836, Nov. 11.

Pearman, Fred: *See*—
Pearman, Lawrence and F.

Pearman, Lawrence and F., Chula, Ga. Apparatus for separating products. 2,589,957, Mar. 18.

Pearse, John P., Swanton, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Flexibly mounting panels. 2,608,279, Aug. 26.

Pearse, John P., Swanton, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass setting device. 2,612,663, Oct. 7.

Pearson, Alan H., assignor to Pearson, Inc., Detroit, Mich. Rotary indexing fixture. 2,585,828, Feb. 12.

Pearson, Axel B.: *See*—
Erland, Gustave G., and Pearson.

Pearson, Axel B., Pittsburgh, Pa., assignor to United States Steel Company. Bloom cutting machine. 2,619,176, Nov. 25.

Pearson, Ben, Inc., assignee: *See*—
Pearson, Ben.

Pearson, Ben, assignor to Ben Pearson, Inc., Pine Bluff, Ark. Support for archery equipment. 2,593,789, Apr. 22.

Pearson, Carl F., assignor to Industrial Equipment Co., Chicago, Ill. Removable head axle. 2,584,610, Feb. 5.

Pearson, David, and J. Yarmak, Wakefield, England, assignors to The Jeffrey Manufacturing Company. Plow type of coal mining machine. 2,610,841, Sept. 16.

Pearson, Edgar, assignor of one-half to Electrical Products (Colne) Limited, Colne, England. Package holder for use on textile machines. 2,623,710, Dec. 30.

Pearson, Elmer O., Burton, Wash. Variable pitch propeller. 2,582,559, Jan. 15.

Pearson, Frank A., assignor to Eagle Signal Corporation, Moline, Ill. Alternating current synchronous induction disk motor with means for eliminating backlash and overrun of gear trains associated with electric motors. 2,597,369, May 20.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Copolymers of trifluorochloroethylene and styrene. 2,584,284, Feb. 5.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Trifluorochloroethylene-vinyl acetate copolymers. 2,600,683, June 17.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Hydrolyzed copolymers of fluorinated vinyl compounds. 2,600,684, June 17.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Copolymers obtained from trifluorochloroethylene and methyl methacrylate. 2,610,174, Sept. 9.

Pearson, Harry B., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of combustible gas. 2,605,176, July 29.

Pearson, Harry B., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of combustible gas. 2,605,177, July 29.

Pearson, Helen, Santa Ana, Calif. Applicator for dyes and lotions. 2,618,275, Nov. 18.

Pearson, Inc., assignee: *See*—
Pearson, Alan H.

Pearson, John L., Jr., Bethesda, Md. Clamp. 2,618,270, Nov. 18.

Pearson, John M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Electrical logging method and apparatus. 2,587,518, Feb. 26.

Pearson, John M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Flowmeter. 2,605,638, Aug. 5.

Pearson, Leo R., assignee: *See*—
Stokes, William P.

Pearson, Oscar, Minneapolis, Minn. Merchandise display rack. 2,604,997, July 29.

Pearson, Raymond E.: *See*—
Natland, Manley L., and Pearson.

Pearson, Roland R., East Providence, assignor to Bristol Manufacturing Corporation, Bristol, R. I. Rubber footwear having reflex light-reflecting areas. 2,607,130, Aug. 19.

Pearson, William S., assignor to Clifton Conduit Company, Inc., Baltimore, Md. Method and apparatus for removing excess galvanizing metal from conduit or the like. 2,606,846, Aug. 12.

Pease Anthony Equipment Company, assignee: *See*—
Johnstone, Henry F., and Anthony.

Pease, Donald C., and C. T. Handy, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polyamides. 2,585,163, Feb. 12.

Pease, Frederick A., Jr.: *See*—
Snyder, Jacob R., and Pease.

Pease, Marshall C., Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Transmission line. 2,594,983, Apr. 29.

Pease, Marshall C., Boston, Mass., and F. A. Record, Potsdam, N. Y., assignors to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,606,307, Aug. 5.

Peaslee, Robert L., Packanack Lake, N. J., assignor to Curtiss-Wright Corporation. Electrolytic process for stripping copper. 2,588,566, Mar. 11.

Peat, John D.: *See*—
Ramsay, John F., and Peat.

Peavy, Claude C., Philadelphia, Pa., and R. M. Shirk, Wilmington, Del., assignors to Houdry Process Corporation, Philadelphia, Pa. Catalyst regeneration apparatus. 2,591,719, Apr. 8.

Pecherer, Benjamin, Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Methanol complex of dehydro-l-ascorbic acid. 2,590,067, Mar. 18.

Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques: *See*—
Austerweil, Géza.
Frejacques, Jean L. M.
Grolée, Jean.
Perret-Bit, Roger J.
Torchet, Pierre.

Pechtel, Victor H., Farmingdale, N. Y. Garment hanger. 2,613,857, Oct. 14.

Pechtel, Victor H., Farmingdale, N. Y. Garment hanger. 2,617,568, Nov. 11.

Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Transfer mechanism for articles. 2,584,157, Feb. 5.

Peck, Albert C., and W. S. Thompson, Los Gatos, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Regenerative furnace of the pebble bed type. 2,612,364, Sept. 30.

Peck, Carlton F.: *See*—
Tandler, William S., Fleuriot, and Peck.

Peck, Cecil C., Euclid, and W. Gunzelman, Gates Mills, assignors to Cecil C. Peck Company, East Cleveland, Ohio. Welding device. 2,602,869, July 8.

Peck, Cecil C., Company, assignee: *See*—
Peck, Cecil C., and Gunzelman.

Peck, Charles K., New York, N. Y. Artificial teeth and backing therefor. 2,602,226, July 8.

Peck, Clarence E., Cambridge Springs, and J. G. Hoop, Meadville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Catalytic gas generator. 2,615,795, Oct. 28.

Peck, Harold C.: *See*—
Godfrey, James H., and Peck.

Peck, William H., Royal Oak, Mich. Pneumatic hammer. 2,608,413, Aug. 26.

Peck, William J., West Lebanon, N. H. Automobile jack. 2,580,829, Jan. 1.

Peck, Woolsey D., assignor to E. H. Kramer, Detroit, Mich. Quick detachable wheel. 2,586,177, Feb. 19.

Peckat, Charles, Manufacturing Co., assignee: *See*—
Schlagel, Huntington R.
Squiers, Max U.

Peckham, Roy E., Detroit, assignor to R. L. Brown, Ferndale, Mich. Sheet metal fastener. 2,618,193, Nov. 18.

Peckham, Stockman C., deceased, Wilmington, Del., by G. H. Hill, executrix, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing wool against shrinkage. 2,595,977, May 6.

Peckman, Arnold L., McKeesport, Pa., assignor to United States Steel Company. Cement lining for metal pipe. 2,597,370, May 20.

Pecora, Louis J., Garrett Park, Md., assignor to the United States of America as represented by the Administrator, Federal Security Agency. German silver electrocardiograph contact electrode. 2,611,368, Sept. 23.

Peddinghaus, Paul F., assignee: *See*—
Peddinghaus, Werner, and Funke.

Peddinghaus, Werner, and E. Funke, assignors to P. F. Peddinghaus, Gevelsberg, Westphalia, Germany. Machine for bending steel profiles and rods. 2,621,702, Dec. 16.

Peden, Douglas T., Ann Arbor, assignor to Micromatic Hone Corporation, Detroit, Mich. Alignment mandrel. 2,584,611, Feb. 5.

Peden, Douglas T., Ann Arbor, and J. E. Kline, Grosse Pointe Farms, assignors to Micromatic Hone Corporation, Detroit, Mich. Honing tool. 2,581,601, Jan. 8.

Pedersen, Knut H., and H. J. Bauck, Trondheim, assignors to A/S Årdal Verk, Oslo, Norway. Refining aluminum. 2,621,120, Dec. 9.

Pedersen, Mathias, Valley Stream, N. Y., assignor to American Machine & Foundry Company. Special stitch sewing machine. 2,604,863, July 29.

Pedersen, Svend L., Copenhagen, Denmark. Strain relief for electrical connectors. 2,590,886, Apr. 1.

Pedersen, Svend L., Copenhagen, Denmark. Cord connection and strain relief. 2,622,121, Dec. 16.

Pedersen, Tage V., Roscoe, Ill. Liquid heating device. 2,621,643, Dec. 16.

Pedersen, Walfred L., Minneapolis, Minn. Match book dispenser. 2,582,155, Jan. 8.

Pederson, Raymond A.: *See*—
White, Compton L., Jr., Young, Pederson, and Rahn.

Pederson, Richard R.: *See*—
Hendry, John L., Jr., and Pederson.

Pedigo, Arthur J., Richmond, Va. Refrigerantor. 2,591,862, Apr. 8.

Pedlow, George W.: *See*—
Wilkinson, Joseph M., Pedlow, and Wynn.

Pedranti, Eugene T., Petaluma, Calif. Fish lure. 2,621,437, Dec. 16.

Pedranti, Eugene T. and I. M., Petaluma, Calif.; said I. M. Pedranti assignor to said E. T. Pedranti. Flavoring spike. 2,602,391, July 8.

Pedranti, Isabel M.: *See*—
Pedranti, Eugene T. and I. M.

Pedron, Ettore, Eugene, Oreg. Router. 2,591,002, Apr. 1.

Pedron, Ettore, Eugene, Oreg. Veneer trimmer. 2,609,874, Sept. 9.

Peebles, Chad A., Newaygo, Mich. Play pen convertible to a bed. 2,586,251, Feb. 19.

Peebles, David D., Hillsborough, P. D. Clary, Jr., Petaluma, and R. K. Meade, Santa Rosa, assignors to Western Condensing Company, San Francisco, Calif. Vegetable treatment process. 2,607,688, Aug. 19.

Peebles, David D., Hillsborough, and M. D. Girvin, San Anselmo, assignors to Western Condensing Company, San Francisco, Calif. Fat emulsion and manufacture. 2,622,984, Dec. 23.

Peebles, Isaac S., Jr., assignee: *See*—
Guisti, Louis J.

Peebles, Noah F., Odon, Ind. Soft soap dispenser. 2,613,713, Oct. 14.

Peed, Garland P., Jr.: *See*—
Patch, Arthur C., Peed, and Cobin.

Peel, Frederick W., Somerville, Tenn. Cotton chopper. 2,610,559, Sept. 16.

Peel, John B.: *See*—
Atkins, Peter J., and Peel.

Peel, John B., and S. E. Scrimshaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Production of red iron oxide pigments. 2,618,571, Nov. 18.

Peel, Robert: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.

Peel, Robert, and A. W. H. Porter, Burton-on-Trent, and J. L. M. Morrison, Bristol, assignors to Messrs. F. N. F. Limited, Burton-on-Trent, England. Warp knitting machine and setting the knitting elements thereof. 2,618,138, Nov. 18.

Peeples, Ernest E., Jr., Jacksonville, Fla. Tile marker. 2,588,757, Mar. 11.

Peeples, Irving W.: *See*—
Levitin, Benjamin, Brown, and I. W. and M. B. Peeples.

Peeples, Mary B.: *See*—
Levitin, Benjamin, Brown, and I. W. and M. B. Peeples.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Valved pipe coupling. 2,598,009, May 27.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,598,294, May 27.

Peerless Equipment Company, assignee: *See*—
Kopper, Edward.

Peerless Machinery Co., assignee: *See*—
Edwards, Milton G.

Peerless Tool & Engineering Co., assignee: *See*—
Lawrenz, Otto.

Peerless Tube Company, assignee: *See*—
Remington, Frederic, and Tartaglia.

Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Process and apparatus for contacting fluidized solids with gaseous fluids. 2,617,708, Nov. 11.

Peet, G. M., Packing Co., assignee: *See*—
Uehlein, Louis B.

Peet, Harrison D.: *See*—
Neal, Adrain D., Peet, and Dell.

Peet, Nick P., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vessel for fluid catalyst reaction with means for varying height of the dense phase. 2,615,796, Oct. 28.

Peets, Wilbur J.: *See*—
Ritter, Herman, and Peets.

Peets, Wilbur J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor drive for sewing machines. 2,617,375, Nov. 11.

Peets, Wilbur J., Watchung, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Base and oil reservoir for sewing machines. 2,604,865, July 29.

Peez, Helen V., assignee: *See*—
Kirby, Harold L.

Peff, Peter, Reno, Nev. Apparatus and method for transporting and dispensing liquefied gas. 2,593,916, Apr. 22.

Peff, Peter, Reno, Nev. Apparatus for dispensing a liquefied gas. 2,601,763, July 1.

Pégard, Pierre, Courbevoie, assignor to Societe: Ateliers G. S. P., Guillemin, Sergot, Pégard, Courbevoie, France. Safety stopping device for movable machine-tool members. 2,615,373, Oct. 28.

Pegg, Charles E., assignor to E. S. & A. Robinson Limited, Bristol, England. Grinding mill. 2,599,719, June 10.

Pegg, Edward H. R., Port Chester, and D. P. Ross, New York, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Dust collector. 2,622,696, Dec. 23.

Pegler, Joseph L., Beecroft, near Sydney, assignor to Lockair Pty. Limited, Sydney, New South Wales, Australia. Flushing cistern. 2,615,173, Oct. 28.

Pegnani, Frank: *See*—
Zugaro, Sam, and Pegnani.

Pegram, William B.: *See*—
Knowles, William H., Jr., and Pegram.

Pegson Limited, assignee: *See*—
Davidson, Donald J.
Richardson, Ronald H., and Wilson.

Pehaczek, Aloizy G., Glasgow, Scotland. Buckle or strap fastening. 2,622,292, Dec. 23.

Pehrson, August, Ferndale, Wash. Hay hoist. 2,589,856, Mar. 18.

Peignier, Jean, Bigny, assignor to Societe Metallurgique de Gorcy, Paris, France. Descaling and brushing machine, especially for rough-drawn wire. 2,620,496, Dec. 9.

Peik, Donald J.: *See*—
Marks, Jerome L., and Peik.

Peiker, Alfred L.: *See*—
Kienle, Roy H., and Peiker.

Peila, Anthony J., West Vandergrift, Pa. Stripper guide for rolling mills. 2,617,320, Nov. 11.

Peiler, Karl E., West Hartford, Conn., assignor to Emhart Manufacturing Company. Stirring apparatus for molten glass in forehearths. 2,586,079, Feb. 19.

Peirano, Horacio, Montevideo, Uruguay. Atomizing apparatus. 2,622,593, Dec. 23.

Peirce, Charles P., assignee: *See*—
Steinbach, Emil C., and Ewald.

Peirce, Thomas H., assignor to H. A. King, Detroit, Mich. Rubber cushion drive coupling. 2,588,158, Mar. 4.

Peirce, Thomas H., assignor to H. A. King, doing business as H. A. King Company, Detroit, Mich. Vibration damper. 2,597,747, May 20.

Peirce, William B., Pittsburgh, Pa. Machine tool. 2,587,519, Feb. 26.

Pekrul, Arthur F., assignor to The New Britain Machine Company, New Britain, Conn. Combined boring and turning tool. 2,590,068, Mar. 18.

Pelaez, Manuel E., Burzaco, Argentina. Collapsible derrick. 2,615,538, Oct. 28.

Pelcé, Henri, assignor to Societe dite: Saint Freres (Societe Anonyme), Paris, France. Circular loom for the production of closely woven fabrics. 2,582,392, Jan. 15.

Pelcé, Henri, assignor to Société dite: Saint Freres (Société Anonyme), Paris, France. Front-drive and multi-drive shuttle. 2,619,988, Dec. 2.

Pelham, Charles L., Los Angeles, Calif. Multiple sickle mowing unit. 2,603,052, July 15.

Pelikan, Alexander, New York, N. Y., assignor to Federal Carton Corporation, North Bergen, N. J. Device for automatically removing window cutouts from blanks. 2,615,376, Oct. 28.

Pelipetz, Michail G.: *See*—
Storch, Henry H., and Pelipetz.

Pell, Eric: *See*—
Hunter, Richard B., Pell, and Schmitz.

Pelland, Raymond L.: *See*—
Vandercook, David D., and E. O., and Pelland.

Pellar, Fred, Chicago, and J. C. Zivny, Berwyn, assignors to Revere Camera Company, Chicago, Ill. Chuck. 2,591,287, Apr. 1.

Pellat-Finet, Jean L., and M. Riffet, Lyon, France, assignors to R. O. B. E. SA, Geneva, Switzerland. Twisting spindle. 2,587,758, Mar. 4.

Pelle, Stephen, New York, N. Y. Combination or key operable door lock. 2,580,830, Jan. 1.

Pelle, Stephen, Bronx, N. Y. Tumbler lock adjustable for different keys. 2,603,081, July 15.

Peller, Henry A., Euclid, assignor to The Euclid Road Machinery Co., Cleveland, Ohio. Side dump vehicle. 2,618,507, Nov. 18.

Pelley, Andrew, Orrville, Ohio. Plaything of the rocking horse type. 2,597,668, May 20.

Pellicani, Nicholas R.: *See*—
Nielsen, Ernst K., and Pellicani.

Pellman, Joseph A.: *See*—
Turner, John R., and Pellman.

Pelly, Francis E., Upper Darby Township, Delaware County, and E. R. Cave, Philadelphia, Pa., assignors to Baldwin-Lima-Hamilton Corporation. Dual fuel injection pump control. 2,587,376, Feb. 26.

Pelouch, James J., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Vehicle holding structure. 2,581,137, Jan. 1.

Pelouch, James J., assignor, by mesne assignments, to H. C. Schott, Cleveland, Ohio. Air bleeder for vehicle lifts. 2,588,285, Mar. 4.

Pelouch, James J., Cleveland, Ohio, assignor, by mesne assignments, to Farm Tools, Inc. Safety leg support for vehicle servicing lifts. 2,608,381, Aug. 26.

Pelouch, James J., Cleveland, Ohio, assignor, by mesne assignments, to Farm Tools, Inc. Reel mechanism. 2,610,810, Sept. 16.

Pelouze Manufacturing Company, assignee: *See*—
Adams, Bruce P.
Adams, Bruce P., Palma, and Knapp.

Pelto, Aade, Aurora, Minn. Fish lure. 2,585,494, Feb. 12.

Pelton, Clyde W., Akron, Ohio. Bedclothes support. 2,598,295, May 27.

Pelton, Felice D., executrix: *See*—
Pelton, Fred E.

Pelton, Fred E., deceased, Los Angeles, Calif.; F. D. Pelton, executrix, assignor to Mobile Sets, Inc. System for handling moving picture sets. 2,602,196, July 8.

Pelton Water Wheel Company, The, assignee: *See*—
Kyle, Samuel C.
Rued, Fred H.
White, Ira M.
White, Ira M., and Billings.

Pelton's Spudnuts, Incorporated, assignee: *See*—
Scott, William C.

Peltz, Gordon M.: *See*—
Ivins, Barbara, and Peltz.
Teague, Walter D., Peltz, and Immermann.

Pemberton, J. C., Pasadena, and D. R. Baldridge, Glendale, Calif. Toy glider. 2,597,521, May 20.

Pemberton, Max E.: *See*—
Bull, Eric W., and Pemberton.

Pemberton, Roland T., London, and E. L. Holmes, Northants, England, assignors to The Permutit Company, New York, N. Y. Method and apparatus for conditioning liquids. 2,606,870, Aug. 12.

Pena, Frank, Brooklyn, N. Y. Combination faucet. 2,589,857, Mar. 18.

Penberthy, Paul, Glendale, and W. E. Miller, Los Angeles, Calif.; said Miller assignor to said Penberthy. Lumber truck unloading device. 2,606,678, Aug. 12.

Pence, David B.: *See*—
Armstrong, Paul L., and Pence.

Penchoen, Henry A., assignor to Harter Corporation, Sturgis, Mich. Base or pedestal for chairs. 2,587,886, Mar. 4.

Pendleton, F. R., trustee, assignee: *See*—
Greenleaf, Robert M.

Pendleton, Pyam L., Cranston, R. I., assignor to Hampton Machine Company. Reel. 2,606,357, Aug. 12.

Pendleton, Pyam L., Cranston, R. I. Fluid processing apparatus. 2,612,860, Oct. 7.

Pendleton, Walter A., Glendale, Calif. Spring cutter. 2,614,322, Oct. 21.

Penet, Gabriel J. M.: *See*—
Gohorel, Fernand P., and Penet.

Penfield, Charles S.: *See*—
Bates, William F., Gregory, and Penfield.

Penfield, Raymond C., Chicago, Ill. Measuring dispenser. 2,610,770, Sept. 16.

Pengelly, Wilbert L., Portland, Oreg. Jet action washing machine. 2,592,596, Apr. 15.

Pengelly, Wilbert L., Portland, Oreg. Jet action washing machine. 2,592,597, Apr. 15.

Penick, Joe E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrogen fluoride recovery. 2,591,096, Apr. 1.

Penick, Joe E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons with the use of a hydrogen fluoride composite catalyst. 2,606,860, Aug. 12.

Penick, Joe E., Woodbury, and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for recovery of solid material from continuous contact filtration process. 2,614,653, Oct. 21.

Peninsular Metal Products Corporation, assignee: *See*—
Lewis, Paul M.

Penk, Charles, Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Starter switch. 2,606,235, Aug. 5.

Penkauskas, John E., assignor to A M I Incorporated, Grand Rapids, Mich. Hand tool. 2,583,876, Jan. 29.

Penker, Ernest, Flushing, assignor to Etched Products Corporation, Long Island City, N. Y. Sheet holding means. 2,596,864, May 13.

Penn Aircraft Products, Inc., assignee: *See*—
Wolcott, Glenn W.

Penn Controls, Inc., assignee: *See*—
Hottenroth, Frederick W.
King, Harold S.
Rothwell, John J., and Schell.
Schell, Paul.

Penn Devices Co., assignee: *See*—
Ledig, Henry A.

Penn-Dixie Cement Corporation, assignee: *See*—
McCants, Henry C.

Penn, Melvin P., assignor to General Motors Corporation, Dayton, Ohio. Making fin elements. 2,598,191, May 27.

Penn, Penn W., Ravenna, Ohio. Lifting tool. 2,610,889, Sept. 16.

Penn, Penn W., Ravenna, Ohio. Lifting device. 2,618,504, Nov. 18.

Penn, Ralph W.: *See*—
Nye, Norman H., Penn, Ensinger, and Sorrick.

Pennell, Everett S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Etching ethylene diamine tartrate crystals. 2,592,729, Apr. 15.

Pennell, Robert B., Lansdowne, and P. Masucci, Norwood, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Purifying diphtheria toxoids. 2,584,093, Jan. 29.

Penney, Clarence L., Mason City, Iowa. Ice spur. 2,618,079, Nov. 18.

Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Isotope separation. 2,581,813, Jan. 8.

Penney, Gaylord W., and G. W. Hewitt, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic air-cleaning system. 2,610,699, Sept. 16.

Pennine Aircraft Limited, assignee: *See*—
Neale, John S.

Penninger, Luther S., Raleigh, N. C. Fishhook. 2,619,759, Dec. 2.

Pennington, Harry, San Antonio, Tex. Pressure gauge for sand formation testers. 2,611,267, Sept. 23.

Pennington, Harry, San Antonio, Tex. Hammer type rotary rock-drilling bit. 2,620,162, Dec. 2.

Pennington, Harry, Jr., San Antonio, Tex. Aerial map projection method and apparatus for making same. 2,600,261, June 10.

Pennington, Thomas, and M. R. Jones, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for releasing slips. 2,623,593, Dec. 30.

Penno, Glenn J., assignor to Tornado Manufacturing Company, Inc., Denver, Colo. Connecting cap for air guns and the like. 2,622,770, Dec. 23.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-intensity airport runway marker light. 2,586,374, Feb. 19.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotating beacon having duplicate lamp systems one of which is automatically energized upon failure of the other. 2,586,375, Feb. 19.

Pennsylvania Crusher Company, assignee: *See*—
Borton, George W., and Hartshorn.
Keiper, Edwin H.
Layberger, Arthur J.
Wilson, John G.

Pennsylvania Manufacturing Confectioner's Association, The: *See*—
Cross, Sherwood T.

Pennsylvania Railroad Company, The, assignee: *See*—
Steins, Carleton K.

Pennsylvania Research Corporation, assignee: *See*—
Butz, Arthur N., Jr.

Pennsylvania Research Corporation, The, assignee: *See*—
Lewis, William H.
Patton, Stuart, and Stine.

Pennsylvania Rubber Company, assignee: *See*—
Gammeter, John R.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Carroll, James W.
Cushing, Russell E.
Gail, John F., and Miller.
Parr, Thaddeus, and Zakheim.
Sprauer, Jerome W.
Sprauer, Jerome W., and Sprout.

Pennypacker, Isaac A., executor: *See*—
Sheen, Milton R.

Penrod, Robert E., Johnstown, Pa., assignor to Bethlehem Steel Company. Wheel quenching device. 2,596,345, May 13.

Penrose, William F., Summit, N. J. Electric power apparatus for steering and the like. 2,587,377, Feb. 26.

Pensak, Louis: *See*—
Law, Russell R., and Pensak.

Pensak, Louis, Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray storage tube. 2,601,452, June 24.

Pensig, Herbert, assignee: *See*—
James, George S.

Pentecost, Arthur, Upper Montclair, N. J., and A. E. Schniertshauer, New York, assignors to Remington Rand Inc., Buffalo, N. Y. Record controlled embossing machine. 2,596,721, May 13.

Pentel, Leon, Forest Hills, N. Y. Support for artificial teeth. 2,583,156, Jan. 22.

Penther, Carl J., Oakland, and W. B. Milligan, Albany, assignors to Shell Development Company, San Francisco, Calif. Thermostatic controller. 2,594,984, Apr. 29.

Pentland, Alex M., U. S. Navy, Ann Arbor, Mich. Pliers for spark plug electrodes. 2,581,439, Jan. 8.

Penzig, Oscar D.: *See*—
Maddock-Clegg, Hamer, and Penzig.

Penzol y Vijande, José R., Rivadeo, Spain. Fishing reel. 2,602,602, July 8.

Peone, Valley V., Spokane, Wash. Automatic packing machine. 2,601,454, June 24.

People of the United States of America, Dedicated to the, assignee: *See*—
Chisholm, Robert D., and Fest.
Couchman, Richard.
Cross, Sherwood T.
Everts, Ambrose B.
Gaddis, Bevy M.
Merkel, Charles M., and Wright.
Murphy, Arthur A.
Schechter, Milton S., and La Forge.

Peoples First National Bank & Trust Company, assignee: *See*—
Henderson, Albert.
Jordan, Jacob.

Peper, Jan: *See*—
De Gier, Johannes, and Peper.

Pepl, John, Quincy, Mass. Snow removal apparatus. 2,588,039, Mar. 4.

Pepin, Lawrence H., San Diego, Calif. Writing top. 2,618,891, Nov. 25.

Pepin, William, Beebe, Quebec, and J. A. Rodrigue, Stanstead, Quebec, Canada. Ski binding. 2,592,458, Apr. 8.

Peplin, Stephen C., assignee: *See*—
Parker, Frank H.

Peplow, Arthur, Chicago, Ill. Adjustable power-driven tool support. 2,587,520, Feb. 26.

Pepper, Carl P.: *See*—
Gorske, Stanley F., and Pepper.

Pepper, Carl P., Plainfield, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Multiple clutch for reversing gear mechanism. 2,603,324, July 15.

Pepperman, Woods J., Jr., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Arch support shoe. 2,620,574, Dec. 9.

Perand Products, Inc., assignee: *See*—
Perker, Henry J., and Anderson.

Percival, William S., London, assignor to Electric & Musical Industries Limited, Middlesex, England. Radio receiver. 2,607,889, Aug. 19.

Percival, William S., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Single side band radio signaling. 2,611,860, Sept. 23.

Percopo, Michael W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Suppository package. 2,612,261, Sept. 30.

Percy, Constance L., executrix: *See*—
Percy, Joseph H.

Percy, Joseph H., deceased, Woodmere, N. Y., by C. L. Percy, executrix, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Purifying amino compounds and CO_2 addition product produced thereby. 2,602,805, July 8.

Perdue, Dwight J., and C. B. Richards, Canton, assignors to Republic Steel Corporation, Cleveland, Ohio. Feeding apparatus for straightening machines. 2,613,801, Oct. 14.

Perdue, William M., Little Rock, Ark. Flower box. 2,615,589, Oct. 28.

Perdue, Zack T., Jr., Rocky Mount, Va. Base with meat carving facilities. 2,620,003, Dec. 2.

Peregrine, Edgar P., Tynemouth, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Control of gas turbines. 2,604,797, July 29.

Peregrine, Jacob E., assignee: *See*—
Granberg, Albert J.

Pereira, Humberto, Essex, Conn., assignor to The Finkel Umbrella Frame Company, Inc., New York, N. Y. Garden umbrella. 2,595,697, May 6.

Perelman, Albert A.: *See*—
Johnson, Gerald C., and Perelman.

Peremi, Edmund, Bayside, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Window construction. 2,599,196, June 3.

Peremi, Edmund, Bayside, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Combined window jamb anchor and adjuster. 2,600,072, June 10.

Peremi, Edmund, Bayside, assignor to General Bronze Corporation, Garden City, N. Y. Spring balancer. 2,604,655, July 29.

Peremi, Edmund, Bayside, assignor to General Bronze Corporation, Garden City, N. Y. Spring balancer. 2,622,267, Dec. 23.

Peremi, Edmund, Bayside, N. Y., and H. Weimann, Brentwood, Mo., assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Mullion construction. 2,604,195, July 22.

Peremi, Edmund, Bayside, N. Y., and H. Weimann, Brentwood, Mo., assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Sash muntin construction. 2,604,196, July 22.

Peremi, Edmund, Bayside, N. Y., and H. Weimann, Brentwood, Mo., assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Corner joint. 2,614,666, Oct. 21.

Perey Manufacturing Company, Inc., assignee: *See*—
Gersbach, Herbert A.

Perez, Wilfredo, New York, N. Y. Gyroscopic toy. 2,588,040, Mar. 4.

Perfect Circle Corporation, assignee: *See*—
Brenneke, Arthur M.
Jones, Cernyw F.
Myers, Robert C.
Shirk, John F.
Teetor, Ralph R.

Perfection Bed Spring Company, The, assignee: *See*—
Clark, Raymond K.

Perfection Mattress & Spring Company, The, assignee: *See*—
Taylor, Robert J.

Perfection Pipe Nipple Company, assignee: *See*—
Jacobson, Irvin D., and Herr.

Perfection Steel Body Company, The, assignee: *See*—
Barker, Eros V.
Kruger, Henry E.

Perfection Stove Company, assignee: *See*—
Chadwick, Lee S.
Chadwick, Lee S., Cheeseman, and Moore.
Chadwick, Lee S., and Resek.
Dahlstrom, John A.
Kirkpatrick, Joseph R.
Raymond, David L.
Resek, Marc.
Resek, Marc, Dahlstrom, and Bolz.
Resek, Marc, Kirkpatrick, and Raymond.
Schultz, Wilber A.

Perfex Corporation, assignee: *See*—
Deubel, Justin A.
Elmermann, Lloyd R.
Harris, John L., and Hotchkiss.
Malone, Homer E.
Schaller, Anton.

Perforating Guns Atlas Corporation, assignee: *See*—
Castel, Jacques H.
Waters, Henry C.

Perga Containers Limited, assignee: *See*—
Kayat, Elias.

Perham, James A.: *See*—
Larson, Gilbert B., and Perham.

Perilhou, Pierre: *See*—
Bouzitat, Jean, and Perilhou.

Perilhou, Pierre A., Clamart, assignor to Office National d'Etudes et de Recherches Aeronautiques, Paris, France. Radio system for distance measurement. 2,592,459, Apr. 8.

Perilli, Louis, Waltham, Mass. Carton blank handling machine. 2,582,393, Jan. 15.

Perilli, Louis, Waltham, Mass. Apparatus for treating box blanks. 2,602,416, July 8.

Perillo, Florindo J., Jackson Heights, and D. Pollan, Sunnyside, assignors to Viewlex, Inc., Queens County, N. Y. Filmstrip transporting mechanism. 2,595,978, May 6.

Perillo, Florindo J., Tucson, Ariz. Multislide automatic turntable projector. 2,609,726, Sept. 9.

Perinoni, Dominic: *See*—
Perinoni, Edward J. and D.

Perinoni, Dominic, Los Gatos, and E. J. Perinoni, Santa Clara, Calif. Fishing reel. 2,622,824, Dec. 23.

Perinoni, Edward J.: *See*—
Perinoni, Dominic and E. J.

Perinoni, Edward J., Santa Clara, and D. Perinoni, Los Gatos, Calif. Fishing reel. 2,600,685, June 17.

Perishables Shipping Equipment Company, assignee: *See*—
Demetrak, George C.

Perkell, David, Malverne, and S. Perkell, Lynbrook, N. Y. Centric-articulator. 2,617,195, Nov. 11.

Perkell, Samuel: *See*—
Perkell, David and S.

Perker, Henry J., and C. R. Anderson, assignors to Perand Products, Inc., Chicago, Ill. Toy airplane. 2,608,027, Aug. 26.

Perkes, Fred T., Willoughby, assignor to Thompson Products Inc., Cleveland, Ohio. Making poppet valves. 2,610,279, Sept. 9.

Perkin-Elmer Corporation, The, assignee: *See*—
Baker, James G.

Perkins, Albert G., Grand Island, N. Y. Control unit for milking machines. 2,614,530, Oct. 21.

Perkins, Albert G., Grand Island, N. Y. Control unit for milking machines. 2,615,423, Oct. 28.

Perkins, B. F., & Son, Inc., assignee: *See*—
Getchell, Raymond E.

Perkins, Benjamin H.: *See*—
Morrison, John O., and Perkins.

Perkins, Cories M., Sr., Rutherford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Radio navigation system. 2,585,164, Feb. 12.

Perkins, Ervin L.: *See*—
Richter, George A., Perkins, and Herdle.

Perkins, George D., Allston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Blocking oscillator. 2,605,407, July 29.

Perkins, George D., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,613,323, Oct. 7.

Perkins, George D., and C. F. Robinson, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,613,324, Oct. 7.

Perkins, George S., assignor to National Equipment Corporation, New York, N. Y. Conveyer mechanism for confectionery machines. 2,585,829, Feb. 12.

Perkins, George S., Kew Gardens, assignor to National Equipment Corporation, New York, N. Y. Depositor for confectionery machines. 2,597,175, May 20.

Perkins, Gerald S., Altadena, P. R. Vogt, and R. R. Weber, Los Angeles, Calif., assignors to North American Aviation, Inc. Double-ended journal air bearing. 2,597,371, May 20.

Perkins, Henry G., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Machine for yieldably presenting work to buffing or polishing wheels or belts. 2,604,740, July 29.

Perkins, John L., Arlington, and E. E. Sylvester, Brookline, assignors to B. B. Chemical Co., Boston, Mass. Cements for attaching shoe soles. 2,599,581, June 10.

Perkins, Layton E., Milwaukee, Wis. Retriever for submerged articles. 2,592,460, Apr. 8.

Perkins, Layton E., and G. C. Gettelman, Milwaukee, Wis.; said Gettelman assignor to said Perkins. Aircraft crash marker. 2,592,461, Apr. 8.

Perkins, Melvin A., and M. Couper, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Separation of metal values in fluoride compositions. 2,588,041, Mar. 4.

Perkins, Orville O., Richmond, Va. Spare tire carrier for vehicles. 2,603,527, July 15.

Perkins, Ralph N.: *See*—
Ackley, Harry A., and Perkins.

Perkins, Richard H.: *See*—
Matheny, James L., and Perkins.

Perkins, Robert C., Worcester, Mass. Gas-producing furnace and burner therefor. 2,592,730, Apr. 15.

Perkins, Ronald R., Dallas, Tex. Vertical feed butter dispenser. 2,616,173, Nov. 4.

Perkins, Ronald R., Dallas, Tex. Cream dispenser. 2,616,607, Nov. 4.

Perkins, Ronald R., Dallas, Tex. Coffee maker. 2,616,654, Nov. 4.

Perkins, Starling, Choutcau, Okla. Cofferdam. 2,596,788, May 13.

Perkins, Willis E., Wichita Falls, Tex. Pull rod carrier. 2,606,794, Aug. 12.

Perkon, John A., assignor to Cuyahoga Industries, Cleveland, Ohio. Molding machine. 2,618,823, Nov. 25.

Perks, Joseph H., Sr., Henrico County, Va. Reraller. 2,590,344, Mar. 25.

Perky, Scott H., Keeseville, N. Y. Conveyor apparatus for carrying trays. 2,611,472, Sept. 23.

Perlin, Samuel, Far Rockaway, N. Y. Toupee. 2,604,104, July 22.

Perlman, Alfred H., assignor to Fral Manufacturing Co., Chicago, Ill. Tire chain anchor device. 2,598,594, May 27.

Perlman, David: *See*—
Mattikow, Morris, and Perlman.

Perlman, Henry S., assignor, by mesne assignments, to H. S. and P. E. Perlman, doing business as Hill-Shaw Company, Chicago, Ill. Electric hot plate. 2,580,698, Jan. 1.

Perlman, Milton, Detroit, Mich. Humidifier. 2,588,567, Mar. 11.

Perlman, Paul E.: *See*—
Perlman, Henry S.

Perlman, Samuel D., Washington, D. C. Heater or stove. 2,607,334, Aug. 19.

Perlow, Gilbert J., Washington, D. C., and J. M. Kelly, Arlington, Va. Panoramic receiver. 2,614,214, Oct. 14.

Perls, Thomas A., Glen Echo Heights, Md., and G. W. Cook, Arlington, Va. Resonant bridge circuits. 2,611,021, Sept. 16.

"Perma," assignee: *See*—
Hiltenbrand, Charles L.

Permaline Company, The, assignee: *See*—
Gottesman, Herman.

Perman, Einar, Eskilstuna, Sweden. Chuck. 2,609,209, Sept. 2.

Permanente Cement Company, assignee: *See*—
Garoutte, John M.

Permanente Metals Corporation, The, assignee: *See*—
Hesch, Frederick H.

Permann, Karl, Oakland, assignor to Shell Development Company, San Francisco, Calif. Tube heater with flue gas recirculation and heating method. 2,601,667, June 24.

Permann, Karl, Oakland, assignor to Shell Development Company, San Francisco, Calif. Tubular heater and controlling radiation effects therein. 2,603,195, July 15.

Permark Company, Inc., assignee: *See*—
Irving, Albert J.

Permo, Incorporated, assignee: *See*—
Andres, Lloyd J.
Permoflux Corporation, assignee: *See*—
Heineman, Lawrence M.
Permutit Company, The, assignee: *See*—
Pemberton, Roland T., and Holmes.
Pick, Eric.
Pick, Eric, and Carlsson.
Way, Arnold D.
Wood, William.
Pernitz, Kalman, Milwaukee, Wis. Rotatably supported adjustable painter's work holder. 2,599,010, June 3.
Peronto, Roland J., Manitowoc, Wis. Fishhook dislodging and extracting tool. 2,619,859, Dec. 2.
Perot, Jules J., Jr., Mountain Lakes, and G. Cawley, Upper Montclair, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y. Tensile testing device. 2,597,812, May 20.
Perrault, Lewis, Tulsa, Okla. Pipe line cradle. 2,581,971, Jan. 8.
Perret-Bit, Roger J., Chambery, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Electrolytic cell. 2,606,869, Aug. 12.
Perri, Frank R., Groveland, assignor to S. L. Cartier, Haverhill, Mass. Lifting device for invalids. 2,614,267, Oct. 21.
Perri, Joseph M., assignor to National Foam System, Inc., Philadelphia, Pa. Fire extinguishing foam stabilizer. 2,594,985, Apr. 29.
Perrin, John: *See*—
Brougham, Leslie E., and Perrin.
Perrin, Tom S., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Obtaining chlorine and chromium containing materials. 2,592,598, Apr. 15.
Perrin, Tom S., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Coagulating polyvanadic acid salts. 2,614,905, Oct. 21.
Perrin, Tom S., and J. N. Jenkins, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Recovery of vanadium-free chromate. 2,583,591, Jan. 29.
Perrin, Tom S., and R. G. Banner, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Recovery of vanadium-free chromate and aluminate. 2,612,435, Sept. 30.
Perrine, Robert O., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric motor control. 2,598,826, June 3.
Perron, Oris, assignee: *See*—
Rider, Leroy.
Perrot, Arnold, Nidau, Switzerland. Extensible crank for motion-picture cameras. 2,620,682, Dec. 9.
Perrott, William, North Bergen, N. J., assignor to Trochoidal Propellors, Incorporated. Turbo-propeller. 2,616,511, Nov. 4.
Perrotta, Raffaele, assignee: *See*—
Di Palma, Antonio.
Perruca, Felix, Saint-Etienne, assignor to Societe des Fabrications Unicum, Paris, France. Automatic axial pressure device applicable to friction drives. 2,585,830, Feb. 12.
Perry, Charles E., assignor to Evershed and Vignoles Limited, London, England. Electrical resistance measuring instrument. 2,606,230, Aug. 5.
Perry, Charles W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of HCN. 2,596,507, May 13.
Perry, Claude A., Olton, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Extractor for guns with pivoted breech-blocks. 2,606,384, Aug. 12.
Perry, Claude R., Waco, Tex. Combined vehicle bumper and trailer hitch. 2,584,366, Feb. 5.
Perry, Donald B., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Telegraph switching system. 2,584,736, Feb. 5.
Perry, Edward G., Jr., Dallas, Tex., assignor to General Instruments Inc. Method and apparatus for recording vibrational data. 2,582,793, Jan. 15.
Perry, Fairfield S.: *See*—
Perry, Walter M. and F. S.
Perry-Fay Company, The, assignee: *See*—
Perry, Richard D., and Baumgardner.
Perry, Fernande E., Leesburg, Fla. Zipper closure. 2,591,193, Apr. 1.
Perry, Fernande, Leesburg, Fla. Garment closure. 2,612,643, Oct. 7.
Perry, George L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Metalworking lubricant. 2,590,451, Mar. 25.
Perry, George L., and S. K. Talley, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Metal working lubricant. 2,621,159, Dec. 9.
Perry, Landis H., Glendale, Calif. Mixing valve. 2,592,062, Apr. 8.
Perry, Lester L., Denver, Colo. Electric shaver light. 2,595,287, May 6.
Perry, Lloyd M., Nashua, N. H., assignor to Nashua Corporation. Labeling containers. 2,621,823, Dec. 16.
Perry, Nick, and S. Schultz, Chicago Heights, Ill. Onion harvesting machine. 2,592,328, Apr. 8.
Perry, Richard D., and R. H. Baumgardner, assignors to The Perry-Fay Company, Elyria, Ohio. Fluid pressure tool slide control assembly. 2,605,751, Aug. 5.
Perry, Sydney W. H.: *See*—
Islip, Leonard, and Perry.
Perry, Sylvester J., Cleveland, Ohio. Combination shaker for condiments. 2,591,863, Apr. 8.
Perry, Thorne: *See*—
Kinsman, Russell C., and Perry.
Perry, Walter M., Darien, and F. S. Perry, New Canaan, Conn. Pallet for handling materials. 2,583,443, Jan. 22.
Perry, William A., Bristol, Pa., and D. R. Merrill, Moorestown, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Catalyst unit. 2,607,663, Aug. 19.
Perry, Willis M., Adelaide, Wash. Hammer-mill bed plate and teeth therefor. 2,595,810, May 6.
Perry, Winthrop L., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Thread guide. 2,585,962, Feb. 19.
Perry, Winthrop L., Milford, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Winding machine. 2,592,599, Apr. 15.
Perry, Winthrop L., Milford, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Thread guide mechanism. 2,621,862, Dec. 16.
Persak, George, Jr., Verona, assignor to J. Wiss & Sons Co., Newark, N. J. Long-handled grass shears. 2,580,831, Jan. 1.
Persch, Walter, Frankfort-on-the-Main Hochst, and A. P. C. Schmidt, assignors to Cassell Farbwerke Mainkur, Frankfort-on-the-Main Fechenheim, Germany. Hydantoins containing basic substituents. 2,615,897, Oct. 28.
Persinger, William G., Burbank, Calif. Clothes carrier with removable bag. 2,607,552, Aug. 19.
Person, Ernest H., and R. D. Tutt, assignors to Tuttle & Bailey, Incorporated, New Britain, Conn. Damper. 2,621,579, Dec. 16.
Person, Nelson H., Chicago, Ill. Folding gocart. 2,615,725, Oct. 28.
Personal Products Corporation, The, assignee: *See*—
Ganz, Henry.
Persons, Alexander M., assignor to Persons-Majestic Mfg. Co., Worcester, Mass. Fender guard. 2,594,491, Apr. 29.
Persons, Charles A., deceased, H. M. Persons and The Mechanics National Bank of Worcester, executors, assignors to Persons-Majestic Mfg. Co., Worcester, Mass. Spring mounting means for saddle seats. 2,600,915, June 17.
Persons, Harriet M., executrix: *See*—
Persons, Charles A.
Persons, Henry C., Spartanburg, S. C. Night visor blackout glare device. 2,603,784, July 22.
Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Solenoid-operated gas valve. 2,612,188, Sept. 30.
Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Control device. 2,620,828, Dec. 9.
Persons-Majestic Mfg. Co., assignee: *See*—
Persons, Alexander M.
Persons, Charles A.
Persons, Maynard C., Fair Haven, Vt. Device for dispensing granular soap. 2,609,967, Sept. 9.
Persson, Bengt E., Upsala, T. E. Lundgren, Noorkoping, and R. M. Elgenstierna, Stockholm, Sweden. Brick package and making same. 2,605,898, Aug. 5.
Persson, Eric S., Malmo, Sweden. Control device for locking, closing, and ventilating means in windows and doors. 2,623,767, Dec. 30.
Persson, Henry, Bloomfield, N. J., assignor to Float-Lock Corp. Vise having jaws supportable on flat surface of machine tool by spindle adjustable and lockable in plane parallel to said surface. Re. 23,519, July 1.
Persson, Jonas A., Hassela, Sweden. Apparatus for cleaning watches and watch parts. 2,615,455, Oct. 28.
Persyn, Charles L., Jr., Associated, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Acid analyzer and controller. 2,592,063, Apr. 8.
Perugia, André, Paris, France, assignor, by mesne assignments, to Anper, Inc., New York, N. Y. Shoe with elastic back and added fastening means. 2,592,182, Apr. 8.
Perwas, Ludwig F., Bronx, N. Y. Manually operated pressure feed fountain toothbrush. 2,599,658, June 10.
Perwolf, Felix, Vienna, Austria, assignor to Sortex A. G., Zurich, Switzerland. Card index. 2,588,286, Mar. 4.
Pescara, Enrico P., Cap d'Antibes, France. Cylinder head for internal-combustion engines. 2,609,805, Sept. 9.
Pescara, Raul P., Cap d'Antibes, France. Combustion chamber for internal-combustion engines. 2,580,951, Jan. 1.
Peskin, Ben: *See*—
Einhorn, Ben, and Peskin.
Peskin, David L., assignee: *See*—
Sloan, Abraham.
Pessel, Leopold, Springfield Township, Montgomery County, Pa., assignor to Radio Corporation of America. Electric marking. 2,606,807, Aug. 12.
Pesses, Marvin, Rock Island, Ill., assignor to Alter Company, Davenport, Iowa. Production of Alnico ingot from manufacturing wastes. 2,611,692, Sept. 23.
Pessina, Joseph G., assignor to Emro Manufacturing Company, Incorporated, St. Louis, Mo. Perforating apparatus. 2,621,738, Dec. 16.

Pessoa, Augusto L., Rio de Janeiro, Brazil. Guiding and feeding mechanism for endless typewriter ribbons. 2,614,676, Oct. 21.
Pestak, Thomas G., Cleveland, Ohio. Bridging for floor joists. 2,623,246, Dec. 30.
Pestarini, Joseph M., New York, N. Y. Direct-current rotary transformer. 2,596,431, May 13.
Pestarini, Joseph M., Staten Island, N. Y. Electric power system. 2,587,648, Mar. 4.
Pestarini, Joseph M., Staten Island, N. Y. Speed control system. 2,590,120, Mar. 25.
Pestarini, Joseph M., Staten Island, N. Y. Transformer metadyne. 2,590,887, Apr. 1.
Pestarini, Joseph M., Staten Island, N. Y. Electric power system. 2,593,482, Apr. 22.
Pestarini, Joseph M., Staten Island, N. Y. Electric power system. 2,593,483, Apr. 22.
Pestarini, Joseph M., Staten Island, N. Y. Metadyne motor. 2,599,936, June 10.
Pestarini, Joseph M., Staten Island, N. Y. Amplifying dynamoelectric machine of the metadyne type. 2,610,316, Sept. 9.
Pest Control Limited, assignee: *See*—
Duspiva, Franz.
Hartley, Gilbert S.
Ripper, Walter E.
Ripper, Walter E., and Dorman.
Pestel, Juliette S., Soissons, France. Sound film recording or reproducing device. 2,580,952, Jan. 1.
Pestyner, Philip, Jamaica, N. Y. Necktie rack. 2,600,916, June 17.
Pestyner, Philip, Jamaica, N. Y. Necktie rack. 2,603,359, July 15.
Petbow Limited, assignee: *See*—
Puttick, Harold G.
Petcar Research Corporation, assignee: *See*—
Peters, Melville F.
Petcar Trust, The: *See*—
Heath, Westcott, Jr.
Petch, Charles L., Grosse Pointe, Mich. Keeper ring construction. 2,616,587, Nov. 4.
Petefish, Roy, assignee: *See*—
Sverkerson, William C.
Petelinsek, Frank, Milwaukee, Wis. Bell. 2,584,223, Feb. 5.
Peter, Albin, and W. Frey, assignors to Sandoz A. G., Basel, Switzerland. Condensation products of alkenyl diacyl halides and aminoarylamino aminoanthraquinones. 2,623,884, Dec. 30.
Peter, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor control system and switch. 2,589,024, Mar. 11.
Peter, Charles R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute utilizing staggered U-shaped conductive members. 2,596,865, May 13.
Peter, Hans: *See*—
Wyss, Oswald F., and Peter.
Peter, Leslie H.: *See*—
Walker, Alec H. B., and Peter.
Peter, Leslie H., E. A. Sheppard, and S. A. Stevens, assignors to Westinghouse Brake and Signal Company Limited, London, England. Optical system for use in light signals, indicators, and the like. 2,589,569, Mar. 18.
Peter, Leslie H., and E. A. Sheppard, King's Cross, London, asignors to Westinghouse Brake and Signal Company Limited, London, England. Line diagram panel. 2,591,864, Apr. 8.
Peter, Leslie H., and E. A. Sheppard, King's Cross, London, assignors to Westinghouse Brake and Signal Company, Limited, London, England. Mimic diagram panel for railway and other indication systems. 2,591,865, Apr. 8.
Peter, Leslie H., and E. A. Sheppard, King's Cross, London, assignors to Westinghouse Brake and Signal Company Limited, London, England. Nonglare illuminated panel. 2,622,137, Dec. 16.
Peter, Robert G., assignor to Reed Roller Bit Company, Houston, Tex. Mounting a cutter upon earth boring bits. 2,620,686, Dec. 9.
Peter, Rolf W., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and associated circuit. 2,595,698, May 6.
Peterbilt Motors Company, assignee: *See*—
MacDonald, William W.
Peterlik, Leopold, assignor to Uher & Co. Gesellschaft fur Apparatebau, Vienna, Austria. Brush-holder for electric machines. 2,607,817, Aug. 19.
Peterman, George W., Milford, Mich. Latch for throttle control pedals. 2,586,435, Feb. 19.
Petermann, Otto, Groton, and F. Kosmer, Syracuse, N. Y., assignors to Philip N. Braun Inc., Los Angeles, Calif. Type locking means in marking machines. 2,598,438, May 27.
Peters, Anne B.: *See*—
Peters, Melville F. and A. B.
Peters, Arthur W., assignor to Surface Combustion Corporation, Toledo, Ohio. Liquid heater. 2,617,393, Nov. 11.
Peters, Carl E., University City, Mo., assignor to Vickers, Incorporated. Devices which have selenium as constituent parts thereof. 2,607,832, Aug. 19.
Peters, Carl E., University City, D. W. Rau, Kirkwood, and A. H. Bruemmer, St. Louis, Mo., assignors to Vickers, Incorporated. Apparatus for making devices which have selenium as constituent parts thereof. 2,599,478, June 3.
Peters, Carl F., assignor to Velsicol Corporation, Chicago, Ill. Production of cyclopentadiene-tall oil compositions. 2,598,424, May 27.
Peters, Carl F., assignor to Velsicol Corporation, Chicago, Ill. Production of cyclopentadiene-resinous material reaction products. 2,598,425, May 27.
Peters, Charles F., Staten Island, N. Y. Folding saw construction. 2,595,288, May 6.
Peters, Charles P., Arlington, Tex. Combined sprinkler and dispenser. 2,613,994, Oct. 14.
Peters, Chauncey G., Calvert County, Md., and F. K. Harris, Washington, D. C., assignors to the United States as represented by the Secretary of Commerce. Dry drilling of diamonds and the like. 2,622,581, Dec. 23.
Peters, Clifford M.: *See*—
Garrett, Henry U., and Peters.
Garrett, Henry U., Peters, and McMurry.
Peters, Edwin F.: *See*—
Evering, Bernard L., and Peters.
Peters, Harold R., Evansville, Ind. Adjustable window awning. 2,583,230, Jan. 22.
Peters, Harry, and C. D. Pierson, assignors to The Raymond Bag Company, Middletown, Ohio. Sleeve for bag valves. 2,590,568, Mar. 25.
Peters, Herbert W.: *See*—
Crossley, Charles N., Gagan, Karlen, and Peters.
Peters, Herbert W., Milwaukee, Wis., assignor to Cory Corporation, Chicago, Ill. Water-heating unit. 2,594,067, Apr. 22.
Peters, Herbert W., Milwaukee, Wis., assignor to Cory Corporation, Chicago, Ill. Beverage maker. 2,618,218, Nov. 18.
Peters, Howard, Des Plaines, and E. J. Haedike, Chicago, Ill., assignors, by mesne assignments, to Elastic Stop Nut Corporation of America, Union, N. J. Machine for making spring dowel pins. 2,582,062, Jan. 8.
Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.
Peters, John L., Hempstead, and E. J. Isbister, Garden City, N. Y., assignors to The Sperry Corporation. Aircraft traffic control system. 2,602,921, July 8.
Peters, John W., Cincinnati, Ohio. Baton having selectively illuminated section. 2,601,554, June 24.
Peters, Joseph, Detroit, Mich. Adjustable elongated reflector. 2,619,585, Nov. 25.
Peters, Layman R., Peru, Ind. Resilient support for motors. 2,620,151, Dec. 2.
Peters, Leo, Evanston, Ill. Doorcase. 2,584,045, Jan. 29.
Peters, Leo, Evanston, Ill. Garment retainer. 2,584,046. Jan. 29.
Peters, Leo, Evanston, Ill. Mixing method and package. 2,598,595, May 27.
Peters, Leo, Evanston, Ill. Oleomargarine package. 2,606,121, Aug. 5.
Peters, Leo, Evanston, Ill. Clothes retainer apparatus. 2,616,133, Nov. 4.
Peters, Leo, Evanston, Ill. Garment guard. 2,619,688, Dec. 2.
Peters, Leslie J.: *See*—
Reardon, Joseph D., and Peters.
Peters, Lewis M., assignor to Ferro-Glo Corporation, Erie, Pa. Composition for removing corrosion reaction products from metals. 2,585,165, Feb. 12.
Peters, Maurice C.: *See*—
Adams, Harold B., and Peters.
Peters, Melville F.: *See*—
Mascuch, Joseph J., and Peters.
Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Fire detector element. 2,586,252, Feb. 19.
Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Forming thermistor by impregnation. 2,596,284, May 13.
Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Forming beaded structure. 2,596,285, May 13.
Peters, Melville F. and A. B., Newark, N. J. Producing impregnated carbon brushes. 2,599,582, June 10.
Peters, Norman J., and W. Bradley, assignors to Damrow Brothers Company, Fond du Lac, Wis. Barrel type cooper. 2,591,601, Apr. 1.
Peters, Ralph C.: *See*—
Harper, James I., Shuman, and Peters.
Peters, Robert J., Coeur d'Alene, Idaho. Safety body supporting device. 2,611,363, Sept. 23.
Peters, Rudolph A., San Antonio, Tex. Brake shoe gauge. 2,614,333, Oct. 21.
Peters & Russell, Inc., assignee: *See*—
Russell, Linus E.
Peters Stamping Company, The, assignee: *See*—
Roesch, George R.
Peters, Stanley E., assignor to F. W. Geisler, Chicago, Ill. Hairbrush with closure therefor. 2,611,916, Sept. 30.
Peters, William A., Chicago, Ill. Changeable rotating target. 2,617,652, Nov. 11.

Peters, William H.: *See*—
Eaton, Bruce G., and Peters.

Petersen, Alfred C.: *See*—
Petersen, Charles E. and A. C.

Petersen, Carl E., assignor of thirty per cent to D. G. Wallin, Brooklyn, N. Y. Work holding unit for vises. 2,595,699, May 6.

Petersen, Charles E. and A. C., Logan, Utah. Occupant propelled swing. 2,601,887, July 1.

Petersen, Christian, assignor to Petersen Mfg. Co., Inc., De Witt, Nebr. Cutter attachment for toggle-actuated plier-type wrenches. 2,590,031, Mar. 18.

Petersen, Christian C., Brooklyn, N. Y. Guard for saws. 2,603,252, July 15.

Petersen, Clifford W., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Expulsion type arrester. 2,620,452, Dec. 2.

Petersén, Curt W., Huskvarna, assignor to F. V. Hasselblad, Gothenburg, Sweden. Focal plane shutter for cameras. 2,608,144, Aug. 26.

Petersen, David K., Hudson, Wis. Card table-supporting rack. 2,600,917, June 17.

Petersen, Gerald A., San Francisco, Calif. Traveler. 2,590,645, Mar. 25.

Petersen, Hans P., Le Mars, Iowa. Anchor hitch for implements. 2,621,749, Dec. 16.

Petersen, Harold J., Tonica, Ill. Making nonmilk fat stable cheese. 2,604,405, July 22.

Petersen, John S., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Sofa having shiftable back. 2,623,219, Dec. 30.

Petersen, Karl: *See*—
Hallas-Moller, Knud, and Petersen.

Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Cooling bulk material. 2,587,378, Feb. 26.

Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for treating bulk material. 2,587,379, Feb. 26.

Petersen, Lowell W., assignor to Swift & Company, Chicago, Ill. Degasification of liquids. 2,585,831, Feb. 12.

Petersen, Lowell W., assignor to Swift & Company, Chicago, Ill. Water treatment. 2,623,850, Dec. 30.

Petersen Mfg. Co., Inc., assignee: *See*—
Petersen, Christian.

Petersen, Ove, Gentofte, Denmark. Reversing arrangement in two-stroke engines. 2,599,479, June 3.

Petersen, Ove, Gentofte, near Copenhagen, Denmark. Combustion space in injection motor engines. 2,620,781, Dec. 9.

Petersen Oven Company, The, assignee: *See*—
Klein, Chris, Skarin, and Tinker.
Mahoney, Joseph L., Rundquist, and Skarin.

Petersen, Svend, Askov, Minn. Name plate support for rural mail boxes and the like. 2,607,141, Aug. 19.

Petersén, Wilhelm H., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Alternating current motor. 2,582,652, Jan. 15.

Petersen, William E., Cottonwood, Calif. Mouse and rat trap. 2,604,722, July 29.

Peterson, Albert C., Park Ridge, and W. O. Will, Oak Park, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine and drive with support therefor. 2,587,887, Mar. 4.

Peterson, Albert C., Park Ridge, R. A. Hayes, Franklin Park, and R. H. Lukins, assignors to Union Special Machine Company, Chicago, Ill. Lubricating system for sewing machines. 2,598,426, May 27.

Peterson, Albin K., Redondo Beach, Calif. Mechanical razor. 2,590,452, Mar. 25.

Peterson, Alfred E., Minneapolis, Minn. Fishing pole attachment. 2,608,015, Aug. 26.

Peterson, Arnold G.: *See*—
Dath, George E., and Peterson.

Peterson, Arnold G., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway cars. 2,592,731, Apr. 15.

Peterson, Arnold G., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanisms for draft riggings of railway cars. 2,592,732, Apr. 15.

Peterson, Arthur W.: *See*—
Morris, Fred L., and Peterson.

Peterson, Axel: *See*—
Lofgren, Gustaf E., and Peterson.

Peterson, C. Lynn, assignor to Peterson Filters and Engineering Co., Salt Lake City, Utah. Rotary leaf filter unit. 2,591,720, Apr. 8.

Peterson, C. Lynn, E. Kroff, and C. J. Peterson, Salt Lake City, Utah, assignors, by mesne assignments, to General American Transportation Corporation. Filter. 2,582,273, Jan. 15.

Peterson, Carl E., Upper Montclair, and E. C. Kastner, Bloomfield, assignors to Eastern Tool & Mfg. Co., Belleville, N. J. Rod positioning frame. 2,614,779, Oct. 21.

Peterson, Carl G., Co., assignee: *See*—
Aijala, Sulo.

Peterson, Charles D., assignor to Universal Controls Corporation, Dallas, Tex. Repair rack for domestic gas service meters. 2,621,400, Dec. 16.

Peterson, Charles D., assignor to Universal Controls Corporation, Dallas, Tex. Weatherproof breather and relief vent for gas regulators. 2,620,087, Dec. 2.

Peterson, Clarence A., Independence, Mo. Cellophane package sealing apparatus. 2,583,705, Jan. 29.

Peterson, Clarence J.: *See*—
Peterson, C. Lynn, Kroff, and Peterson.

Peterson, Clarence L., assignor to Peterson Filters and Engineering Co., Salt Lake City, Utah. Filtering apparatus. 2,602,549, July 8.

Peterson, Clinton H., St. Anthony, Idaho. Potato digger. 2,621,456, Dec. 16.

Peterson, David G., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Brazing jig for finned heat exchanger envelopes. 2,614,517, Oct. 21.

Peterson, Dorothy M., San Francisco, Calif. Therapeutic vibrator. 2,587,207, Feb. 26.

Peterson, Durey H.: *See*—
Murray, Herbert C., and Peterson.

Peterson, Edward M., Chicago, Ill. Center door bulkhead bracing. 2,612,122, Sept. 30.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Time announcing system. Re. 23,522, July 15.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Merchandise dispensing and recording system. 2,623,694, Dec. 30.

Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Roller leveler. 2,592,948, Apr. 15.

Peterson, Edwin F., Kewanee, Ill. Sand blowing tube for core-making machines. 2,607,968, Aug. 26.

Peterson, Elmar C., assignor of one-third to R. P. Ellwein and one-third to W. L. Johnson, Mitchell, S. Dak. Repair member for bottle cases. 2,614,713, Oct. 21.

Peterson, Eric W., Ottawa County, assignor to R. W. Le Moyne, Detroit, Mich. Sheet assembling and folding machine. 2,583,746, Jan. 29.

Peterson, Eric W., Glen Ellyn, and G. J. Rundblad, Elmwood Park, assignors to Ditto, Incorporated, Chicago, Ill. Sheet feeding means for duplicating machines. 2,622,518, Dec. 23.

Peterson, Ernel, Salina, Utah. Level maintaining implement frame lift. 2,595,289, May 6.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave analyzer for determining fundamental frequency of a complex wave. 2,593,694, Apr. 22.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Analyzer for determining the fundamental frequency of a complex wave. 2,593,695, Apr. 22.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic record detector. 2,608,621, Aug. 26.

Peterson Filters and Engineering Co., assignee: *See*—
Peterson, C. Lynn.
Peterson, Clarence L.

Peterson, Fritz B., assignor to Draper Corporation, Hopedale, Mass. Sand roll and cloth roll mechanism. 2,610,655, Sept. 16.

Peterson, Glen, Tulsa, Okla., assignor to Phillips Petroleum Company. Electrostatic seismometer. 2,599,775, June 10.

Peterson, Glen R., Forest Hills, N. Y. Range finder adaptor. 2,607,275, Aug. 19.

Peterson, Gunnard P., Naugatuck, and E. Novack, Seymour, assignors to The Risdon Manufacturing Company, Naugatuck, Conn. Holder for sticks. 2,592,064, Apr. 8.

Peterson, Gunnard P., Naugatuck, and E. Novack, Seymour, assignors to The Risdon Manufacturing Company, Naugatuck, Conn. Holder for sticks. 2,592,183, Apr. 8.

Peterson, Gustaf J., and C. J. Smith, Rockford, assignors to Odin Corporation, Chicago, Ill. Article handling machine. 2,609,108, Sept. 2.

Peterson, Hal, Kerrville, Tex. Animal feeder. 2,602,420, July 8.

Peterson, Harry L., Indianapolis, Ind. Spent pickle liquor treatment. 2,623,849, Dec. 30.

Peterson, Henry B.: *See*—
Tuve, Richard L., and Peterson.

Peterson, Herbert L., Detroit, Mich. Picket shaping machine. 2,586,253, Feb. 19.

Peterson, Jack L., assignor to Burgess Battery Company, Freeport, Ill. Terminal assembly for electric-cell batteries. 2,611,794, Sept. 23.

Peterson, Joel D.: *See*—
Bechberger, Paul F., and Peterson.

Peterson, Joel D., Ridgewood, and D. M. Lawrence, Wood-Ridge, assignors to Bendix Aviation Corporation, Teterboro, N. J. Engine speed control. 2,604,615, July 22.

Peterson, John B., deceased, Bethesda, Md.: R. L. Peterson, administratrix of said J. B. Peterson. Compensated thermometer. 2,595,881, May 6.

Peterson, John B., deceased, Bethesda, Md.: R. L. Peterson, administratrix of said John B. Peterson. Air-speed integrator. 2,609,686, Sept. 9.

Peterson, John B., deceased, Bethesda, Md.: R. L. Peterson, administratrix, assignor to Bendix Aviation Corporation, Teterboro, N. J. Air speed integrator. 2,618,973, Nov. 25.

Peterson, John G., Bridgeport, Conn. Dual vision rear view mirror. 2,582,651, Jan. 15.

Peterson, Justin, Swampscott, Mass., assignor to General Electric Company. Current regulator. 2,605,457, July 29.

Peterson, Kenneth D.: *See*—
Kinndey, David C., Peterson, and Ringe.

Peterson & Krueger, Inc., assignee: *See*—
Krueger, Alfred M., and Peterson.

Peterson, L. S., Company, assignee: *See*—
Metcalf, Alpha H.

Peterson, Leroy E., and S. L. Dart, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Deaeration of viscous and plastic materials. 2,620,894, Dec. 9.

Peterson, Louis L., Dos Palos, Calif. Vehicle coupling. 2,587,208, Feb. 26.

Peterson, Lynn A., Burbank, and C. V. Huber, Los Angeles, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Adjustable tracer finger. 2,607,989, Aug. 26.

Peterson, Michael H., assignor of one-half to A. J. Landby, Swift, Minn. Safety guard for driving connection mechanism. 2,607,241, Aug. 19.

Peterson, Milo S., Leadville, Colo. Tire chain mounting tool. 2,588,568, Mar. 11.

Peterson, Norman M., assignor to Norco Manufacturing Company, Racine, Wis. Food-slicing machine. 2,604,132, July 22.

Peterson, Pontus, Garden City, N. Y., assignor to International Cigar Machinery Company. Process and apparatus for forming tobacco bunches. 2,611,372, Sept. 23.

Peterson, Raymond E., Riverside, Ill., assignor to International Harvester Company. Multiple-plunger fuel injection pump unit. 2,589,858, Mar. 18.

Peterson, Robert J., National City, Calif. Projectile velocity measuring apparatus. 2,622,678, Dec. 23.

Peterson, Rolf H.: *See*—
Krueger, Alfred M., and Peterson.

Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary surface-finishing tool. 2,603,921, July 22.

Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,609,559, Sept. 9.

Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush and brush material. 2,609,642, Sept. 9.

Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Method of and apparatus for making brushes. 2,611,652, Sept. 23.

Peterson, Russell A., Berkeley, and L. J. Howell, Oakland, Calif. Adjustable metal straightener and anvil. 2,582,560, Jan. 15.

Peterson, Russel A., Berkeley, and L. J. Howell, Oakland, Calif. Lock valve for fuel tanks. 2,620,822, Dec. 9.

Peterson, Ruth L., administratrix: *See*—
Peterson, John B.

Peterson, Thomas F., assignee: *See*—
Runde, Kenneth R.

Peterson, Thomas F., Shaker Heights, Ohio. Cable reinforcing and supporting device. 2,587,521, Feb. 26.

Peterson, Thomas F., Shaker Heights, Ohio. Glow lamp mounting. 2,596,166, May 13.

Peterson, Thomas F., Shaker Heights, assignor to Preformed Line Products Company, Cleveland, Ohio. Helically-preformed elements on stranded line. 2,609,653, Sept. 9.

Peterson, Vernon A., assignor to Cino-Lite Business Trust, Chicago, Ill. Amusement device for testing a person's timing ability. 2,587,381, Feb. 26.

Peterson, Victor W., and O. J. Maha, assignors to Hannifin Corporation, Chicago, Ill. Protecting hydraulic pressure responsive devices from the effects of fluid shock. 2,612,756, Oct. 7.

Peterson, Vincent C.: *See*—
Harper, Philip S., and Peterson.

Peterson, Vincent C., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,590,569, Mar. 25.

Peterson, Walter H., Point Richmond, assignor to Shell Development Company, San Francisco, Calif. Oil composition. 2,623,852, Dec. 30.

Peterson, Walter S., Sr., Denver, Colo. Manufacturing tapered fishing leaders. 2,612,003, Sept. 30.

Peterson, Wayne L., assignor to Joseph Weidenhoff, Incorporated, Algona, Iowa. Compression checking gauge. 2,620,656, Dec. 9.

Peterson, Wilbur P., Independence, Mo. Dispensing apparatus and cartridge therefor. 2,582,156, Jan. 8.

Peterson, Wilbur P., and R. Runert, Kansas City, Mo. Pyrophoric lighter. 2,618,952, Nov. 25.

Peterson, Willard D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Diazotypes containing N-substituted P-diazoanilines having radicals of at least four conjugated C-C double bonds as N-substituents. 2,605,182, July 29.

Peterson, William B., Jr., San Francisco, and R. E. Renard, Los Gatos, assignors to Pacific Can Company, San Francisco, Calif. Can-end maker. 2,601,625, June 24.

Peterson, William R.: *See*—
Dorrington, Neill E., Dyker, and Peterson.

Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Apparatus for filling valve bags. 2,605,990, Aug. 5.

Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Bag weighing and filling machine. 2,610,020, Sept. 9.

Peterson, William R., Oswego, and C. H. Hartman, New Rochelle, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for sealing valved bags. 2,613,022, Oct. 7.

Peterson, William W.: *See*—
Ter Meer, Herman, and Peterson.

Pethes, Theodore J., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Instrument-type relay. 2,603,730, July 15.

Petit, Georges, Montreuil L'Argille, France. Variable compression ratio internal-combustion engine. 2,589,958, Mar. 18.

Petit, Jean F. G., assignor to Societe D'Exploitation De Brevets, Paris, France. Dynamo testing plant. 2,622,235, Dec. 16.

Petit, Joseph G.: *See*—
Hathaway, Jarrett L., and Petit.

Petit, Regniaux P. J., Huy, Belgium. Shoulder piece. 2,591,372, Apr. 1.

Petit, William H., Pasadena, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Torque testing instrument for self-locking nuts, etc. 2,586,708, Feb. 19.

Petit, William H., Pasadena, Calif. Gear testing and finishing machine. 2,590,203, Mar. 25.

Petiton, André: *See*—
Drisch, Nicolas, and Petiton.

Petnel, Joseph A., Troy, N. Y. Telephone dial. 2,613,280, Oct. 7.

Petraglia, Frank A., New York, N. Y. Soldering iron. 2,589,509, Mar. 18.

Petras, John F.: *See*—
Romeyn, Hendrik, Jr., and Petras.

Petraske, Harry O., assignor to James Manufacturing Company, Fort Atkinson, Wis. Barn gutter cleaner. 2,593,340, Apr. 15.

Petray, Brooke, assignee: *See*—
Hughes, Samuel.

Petre, John N., assignor to Park Metalware Company, Inc., Orchard Park, N. Y. Chuck feature of tools of the detachably connected shank and handle type. 2,596,594, May 13.

Petrea, James C.: *See*—
Rappaport, Sigmund, and Petrea.
Smith, Haywood C., and Petrea.

Petree, Jay R., Fayetteville, assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch operating mechanism. 2,603,734, July 15.

Petrelli, Ivo, Milan, and L. Mares, Rapallo, Italy. Roller-skate wheel mounting. 2,622,931, Dec. 23.

Petri, Albert L., assignor to Petri Wine Company, San Francisco, Calif. Cigar-making machine. 2,592,065, Apr. 8.

Petri Wine Company, assignee: *See*—
Petri, Albert L.

Petrie, James E., assignor to Petrie Specialties Co., Minneapolis, Minn. Adjustable support. 2,598,596, May 27.

Petrie, L. W., assignee: *See*—
Slough, Phillip F.

Petrie Specialties Co., assignee: *See*—
Petrie, James E.

Petrilli, Santy C., assignor to General Candy Corporation, Chicago, Ill. Apparatus for feeding candy bars. 2,599,937, June 10.

Petrini, Frank J., San Francisco, Calif. Refrigerated meat display device. 2,617,266, Nov. 11.

Petro, Joseph J., Keiser, and M. A. Mattis, Shamokin, Pa. Punchboard game device. 2,607,593, Aug. 19.

Petrocarbon Limited, assignee: *See*—
Aicher, Alfred A.
Ruhemann, Martin S. W.

Petro-Chem Process Company Incorporated, assignee: *See*—
Throckmorton, John W., and Wallis.

Petroff, Merlin, Lake Geneva, Wis., assignor to Stewart-Warner Corporation, Chicago, Ill. Variably sensitive frequency discriminator. 2,607,890, Aug. 19.

Petroff, Merlin, Lake Geneva, Wis., assignor to Stewart-Warner Corporation, Chicago, Ill. Tachometer and revolution counter for internal-combustion engines. 2,617,083, Nov. 4.

Petroleum Essentials, Inc., assignee: *See*—
Blair, Charles M., Jr.
De Groote, Melvin.
De Groote, Melvin, and Keiser.
De Groote, Melvin, and Wirtel.
Gross, William F., and Rogers.
Monson, Louis T.
Robinson, Robert A., and Eberz.
Suthard, James G.
Wells, Lloyd K., and Willard.

Petrolite Corporation, assignee: *See*—
Monson, Louis T.

Petropoulos, John C.: *See*—
Daniel, John H., Jr., and Petropoulos.

Petrucelli, Edward A., Bridgeport, Conn. Motorized control for photographic enlargers. 2,607,265, Aug. 19.

Petruch, Methodius C., Tampa, Fla. Lockable knee joint for orthopedic braces or artificial limbs. 2,591,373, Apr. 1.

Petry, Robert K., Wilmington, Del., assignor, by mesne assignments, to Congoleum-Nairn Inc., Kearny, N. J. Laminated covering and making same. 2,590,032, Mar. 18.

Petry, Stanton H.: *See*—
Herst, Richard J., and Petry.

Petry, Stanton H., Evanston, Ill. Gas discharge device for gas bombs. 2,608,319, Aug. 26.

Petry, Theodor A.: *See*—
Biles, John L., Myers, Petry, and Cowell.

Petrzilka, Theodor: *See*—
Stoll, Arthur, Hofmann, Jucker, Petrzilka, Rutschmann, and Troxler.

Petsch, Harold W., Dubuque, Iowa. Multiple glazing unit. 2,587,063, Feb. 26.

Petschke, Walter S., Mount Clemens, Mich. Valve. 2,602,630, July 8.

Petter, Jay C., assignor to Buss Machine Works, Holland, Mich. Vacuum center table for planers. 2,595,483, May 6.

Pettersson, Karl A. B., Orebro, Sweden. Record selector for phonographs. 2,620,193, Dec. 2.

Pettey, Palmer R.: *See*—
Frost, Jack, Mickle, and Pettey

Pettibone, Bradley J.: *See*—
Pressing, Robert W., Lawless, and Pettibone.

Pettibone, Charles L., assignor to The B. S. Marble Chair Company, Bedford, Ohio. Scuff plate for furniture. 2,603,909, July 22.

Pettibone, Elmer K., San Francisco, Calif. Cocoa processing and products. 2,590,646, Mar. 25.

Pettibone, Elmer K., San Francisco, Calif. Soybean powder bases and products. 2,590,647, Mar. 25.

Pettigrove, John R., Beaumont, Tex., assignor to Phillips Petroleum Company. Mud density measuring device. 2,598,827, June 3.

Pettit, Dorn L., assignor to Square D Company, Milwaukee, Wis. Control system for hoist motors. 2,590,453, Mar. 25.

Pettit, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy flatcar. 2,581,201, Jan. 1.

Pettit, Frank, Union, N. J. Electromagnetically operated bell jingler. 2,593,917, Apr. 22.

Pettit, Minnie O., Stuttgart, Ark. Holder for catamenial bandage or the like. 2,616,427, Nov. 4.

Pettman, Albert V., Epsom, Auckland, New Zealand. Rotary cultivating tool. 2,590,790, Mar. 25.

Pettorosai, Joseph, Brooklyn, N. Y., assignor to Paper Novelty Manufacturing Company. Apparatus for piercing and clenching superposed sheets. 2,586,479, Feb. 19.

Pettus, James L., Encino, Calif., assignor to Radio Corporation of America. Film supply and take-up apparatus. 2,597,176, May 20.

Pettus, Joseph N.: *See*—
Faulkner, Harry R., Pettus, and Bradshaw.

Petty, Milton A., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Producing polymyxin. 2,595,605, May 6.

Petty, Olive S., assignee: *See*—
Hasbrook, Arthur F.
Mayne, William H.
Parr, Josephus O., Jr.

Petty, Richard E., Columbus, Ga. Refrigerated sales display kit. 2,614,397, Oct. 21.

Pettyjohn, Don C., Crosby, Minn. Troughed belt conveyer. 2,594,342, Apr. 29.

Petze, Charles L., assignor to Delaware Research & Development Corporation, New Castle, Del. Shoe last. 2,617,129, Nov. 11.

Petzel, Leo A.: *See*—
Davidoff, Isidore Z., and Petzel.

Peukert, Ernst, and F. Hilberath, Wesseling, Bez. Cologne, Germany. Production of alcohols. 2,621,202, Dec. 9.

Pevere, Ernest F., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Underground liquefaction of coal. 2,595,979, May 6.

Pevey, Claude V., and M. F. Smith, assignors to Simpson Logging Company, Shelton, Wash. Hollow drill. 2,606,615, Aug. 12.

Peyches, Ivan, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus for the production of fibers, in particular glass fibers. 2,582,561, Jan. 15.

Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet gripper structure and setting means therefor. 2,599,776, June 10.

Peyrebrune, Henri E., River Forest, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet transfer mechanism. 2,618,479, Nov. 18.

Peyreferry, Herbert H., Eddystone, Pa. Electrode holder. 2,604,568, July 22.

Peyron, Henry L., Inglewood, Calif. Automobile hoist and positioner. 2,583,877, Jan. 29.

Peyrot, Pierre P., La Begude, Feyzin, and L. J. Dumoulin, La Terrasse-sur-Dorlay, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Reacting methyl triacetoxy silane with polysiloxane resin. 2,615,861, Oct. 28.

Peyser, Arnold F., Portland, Oreg. Combination food can and heater attachment. 2,604,089, July 22.

Peyssonneaux, Albert: *See*—
Roatta, Edouard, and Peyssonneaux.

Peyton, William F., Pittsburgh, Pa. Cultivating implement with fertilizer dispenser in handle. 2,611,514, Sept. 23.

Peyton, William T., Dallas, Tex. Freight stabilizing cleat. 2,598,068, May 27.

Pezdic, John F., Saddle River Township, Bergen County, assignor to The Torsion Balance Company, Clifton, N. J. Dash-pot. 2,619,200, Nov. 25.

Pfaff, Ben A., Elyria, Ohio. Body protective pad for use in contact sports. 2,609,537, Sept. 9.

Pfaff, William M., assignor to Standard Aluminum Products Company, Braddock, Pa. Window structure. 2,612,662, Oct. 7.

Pfaffko, Charles H., Lymansville, R. I. Fastening device. 2,584,224, Feb. 5.

Pfälzische Chamotte- und Tonwerke (Schiffer und Kircher) A. G., assignee: *See*—
Janson, Josef.

Pfann, Harry F., Mount Lebanon, Pa., and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkyd resins made from a polymerized alcohol and preparation. 2,609,358, Sept. 2.

Pfann, William G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductive signal translating device. 2,586,080, Feb. 19.

Pfann, William G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,597,028, May 20.

Pfarr, Charles W., Baltimore, Md. Auto headlight switching apparatus. 2,604,555, July 22.

Pfarrwaller, Erwin, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Device for tensioning the weft thread in looms. 2,589,429, Mar. 18.

Pfarrwaller, Erwin, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Binding in weft threads in looms for weaving. 2,602,470, July 8.

Pfarrwaller, Erwin, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Changing the clamping force at which and during each time a weft thread end is temporarily held during weaving on looms. 2,602,472, July 8.

Pfau, Harry J.: *See*—
Epler, Frederick J., and Pfau.

Pfaudler Co., The, assignee: *See*—
Greene, Otto W.
Kintner, Edwin K.
Monroe, Paul S.

Pfautsch, Raymond V., assignor to ILG Electric Ventilating Company, Chicago, Ill. Ventilator fan mounting. 2,619,021, Nov. 25.

Pfeffer, Edward C., Jr.: *See*—
Bramfitt, Thomas A., and Pfeffer.

Pfeffer, Joseph: *See*—
Bandura, James, Baisley, Pfeffer, and Keely.

Pfeffer, Václav, Zelena, Prague, Czechoslovakia. Method and device for wireless control of master clocks. 2,614,383, Oct. 21.

Pfeffer, Václav, Prague, Czechoslovakia. Secondary clock motor. 2,623,185, Dec. 23.

Pfefferle, Jack I., Baltimore, Md. Safety razor blade. 2,582,913, Jan. 15.

Pfeifer, Charles W.: *See*—
Robinette, Hillary, Jr., and Pfeifer.
Rust, John B., and Pfeifer.

Pfeifer, Virgil F.: *See*—
Crocker, Charles K., Moyer, and Pfeifer.

Pfeiffer, Frederick L.: *See*—
Tullsen, Volney, and Pfeiffer.

Pfeiffer, James H.: *See*—
Barry, David A., and Pfeiffer.

Pfeiffer, James H., and D. A. Barry, New Brunswick, assignors to Nixon Nitration Works, Nixon, N. J. Double finish drawing die. 2,616,127, Nov. 4.

Pfeiffer, Norman J., and F. F. Suellentrop, assignors to The Lemay Machine Company, Lemay, Mo. Apparatus for manufacturing whipped cream. 2,594,492, Apr. 29.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbine power plant having auxiliary turbine driven by fuel gas being supplied to the combustion chamber. 2,599,480, June 3.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbine power plant having means to reduce air supply in response to sudden load decrease. 2,618,926, Nov. 25.

Pfetzing, Henry V., Jackson, assignor to Kent-Moore Organization, Inc., Detroit, Mich. Apparatus for viewing the undercarriage of a vehicle. 2,580,699, Jan. 1.

Pfiltzner, Fred H., Cuyama, Calif. Automatic, nonclogging watering cup for poultry and livestock watering apparatus. 2,619,981, Dec. 2.

Pfister, Arthur O.: *See*—
Pfister, Robert D. and A. O.

Pfister, Robert D., Rocky River, and A. O. Pfister, Cleveland Heights, Ohio. Stand lamp with light-diffusing means. 2,607,885 Aug. 19.

Pfister, William T., Los Angeles, Calif. Apparatus for separating and cleaning potatoes. 2,591,194, Apr. 1.

Pfisterer, Julius, Pforzheim, Germany. Wristband lock. 2,601,708, July 1.

Pfizer, Chas., & Co., Inc., assignee: *See*—
Buckley, Jay S., Jr.
Finlay, Alexander C., and Sobin.
Regna, Peter P., and Solomons.
Stone, George B.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway locomotive structure. 2,592,733, Apr. 15.

Pfleger, Fred W., and G. E. Canham, West Orange, N. J. Chain assembly. 2,580,589, Jan. 1.

Pfleger, Frederick W., Paulinskill Lake, Newton, assignor to Monroe Calculating Machine Company, Orange, N. J. Register transfer mechanism. 2,613,033, Oct. 7.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mop-up equalizer. 2,607,851, Aug. 19.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Facsimile system. 2,608,616, Aug. 26.

Pfleumer, Hans, New Brunswick, N. J., assignor to Rubatex Products Inc., New York, N. Y. Expanded rubber container and making same. 2,622,645, Dec. 23.

Pflueger, Ted S.: *See*—
Mies, Alexander G., and Pflueger.

Pfuntner, Richard A.: *See*—
Sinks, Allen T., Pfuntner, and Gabrielson.

Phaneuf, Edward A., Kansas City, Mo. Jet engine having an air compressor driven solely by a fuel gas turbine. 2,620,625, Dec. 9.

Phaneuf, Jean P.: *See*—
Egeberg, Birger, Orr, and Phaneuf.

Phaneuf, Wilrose J., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Burnishing device for preformed channels. 2,585,166, Feb. 12.

Phaneuf, Wilrose J., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Surface broach. 2,585,832, Feb. 12.

Phares, Thomas E.: *See*—
Chambers, John E., and Phares.

Phares, Thomas E., Shelbyville, Ind., assignor to Chambers Corporation. Closure for ovens. 2,605,759, Aug. 5.

Pharris, John A., Butler, H. J. Fohl, Milwaukee, and V. T. Touchett, Whitefish Bay, Wis., assignors to E-Z Paintr Corporation. Making a cylindrical liquid applicator. 2,621,507, Dec. 16.

Phelan, John K., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Circuit for neutralization of frequency divider chains. 2,582,603, Jan. 15.

Phelan, Thomas H.: *See*—
Rackey, Chester A., and Phelan.

Phelps, Alva W., Kenilworth, Ill., assignor to The Oliver Corporation. Track link. 2,598,828, June 3.

Phelps, Byron E.: *See*—
Dickinson, Arthur H., Phelps, and Bergfors.

Phelps, Byron E., Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y. Electronic counting circuit. 2,581,811, Feb. 5.

Phelps, Byron E., Endicott, and J. D. Hood, Endwell, assignors to International Business Machines Corporation, New York, N. Y. Record sorting machine. 2,602,544, July 8.

Phelps, Byron E., Wappingers Falls, and G. E. Mitchell, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Multiplying and dividing means. 2,604,262, July 22.

Phelps, Clyde H., Springfield, Ill., assignor, by mesne assignments, to Gisholt Machine Company, Madison, Wis. Balance testing machine rotor mounting. 2,594,581, Apr. 29.

Phelps Dodge Corporation, assignee: *See*—
Arbiter, Nathaniel, and Young.

Phelps, Herbert S., H. C. Curtis, and H. V. Maurer, assignors to Curtis Development & Mfg. Co., Milwaukee, Wis. Multiposition switch. 2,589,025, Mar. 11.

Phelps, Ross H.: *See*—
Kishline, Floyd F., Phelps, and Voigt.

Phelps, Ross W., Orillia, Ontario, Canada. Hub construction for wheels. 2,622,934, Dec. 23.

Phelps, William M., assignor, by mesne assignments, to Chatsworth Manufacturing Co., Chatsworth, Ga. Machine for feeding and inserting screws. 2,596,958, May 13.

Philadelphia Air Transport Company, assignee: *See*—
Smith, John W.

Philadelphia Gear Works, Inc., assignee: *See*—
Ball, Russell C., and Kron.

Philadelphia Quartz Company, assignee: *See*—
Wills, John H.

Philadelphia Rust-Proof Co., assignee: *See*—
Helman, Samuel.

Philadelphia Valve Company, assignee: *See*—
Ziegler, Ralph B.

Philbrick, Frank H., Evanston, Ill. Railway ballast displacing and digging machine. 2,616,192, Nov. 4.

Philco Corporation, assignee: *See*—
Affel, Herman A., Jr.
Allan, John E.
Aminlung, Louis C., Jr.
Bagley, Michael T.
Becker, Karl H.
Blayney, James L.
Bloomsburgh, Ralph A.
Boothroyd, Wilson P.
Boothroyd, Wilson P., and Hartley.
Bradley, William E.
Carson, Benjamin R.
Clapp, Richard G., Colodny, and Wise.
Cohen, Elias.
Creamer, Edgar M., Jr.
Creamer, Edgar M., Jr., and Boothroyd.
Dyer, John M.
Jones, John P., Jr.
Kennedy, Gilbert J.
King, Stuart F.
Lingenbrink, Hermann E. F. C.
Mankin, Arthur H., and Sunstein.
Merklinger, John J.
Moore, Robert C.
Moulton, Stephen W.
Munster, Allen C.
Nelson, Robert P.
Otis, Charles P., and Starks.
Quinn, Charles R.
Scofield, Donald W.
Shoemaker, Malcolm G.
Shoemaker, Malcolm G., and Zearfoss.
Smith, George O.
Staebler, Lloyd A.
Sunstein, David E.
Sunstein, David E., and Mankin.
Tellier, Joseph C.
Tellier, Joseph C., and Alter.
Thompson, Milton L.
Tiley, John W.
Zindel, George, Jr.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator door. 2,591,003, Apr. 1.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Drain baffle in refrigerating apparatus. 2,606,425, Aug. 12.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,613,509, Oct. 14.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerant evaporator. 2,619,811, Dec. 2.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Sectional refrigerator cabinet. 2,622,753, Dec. 23.

Philippe, Alfred, Scarsdale, N. Y., assignor to Trifari, Krussman and Fishel, Inc. Expansible jewelry clasp. 2,598,597, May 27.

Philippe, Maurice, Courbevoie, assignor to Societe Anonyme A. B. G., and Societe Civile d'Etude des Inventions et Procedes Philippe, Paris, France. Mounting of movable tables on machine-tool beds. 2,598,938, June 3.

Philippi, Carl A., New York, N. Y. Feeding doll with biting action. 2,586,081, Feb. 19.

Philippoteaux, Pierre: *See*—
Mataré, Herbert F., Calon, and Philippoteaux.

Philipps, Thomas E.: *See*—
Collins, Howard W., and Philipps.

Philips Laboratories, Inc., assignee: *See*—
Brockman, Frank.
Cole, Byron M., and Kerkhof.
Coe, Myron R.
Evans, Howard T., Jr.
Hamacher, Edward A.
Koppius, Otto G.
Levi, Roberto.
Meyer, Hugo H., and Mettivier.
Rittner, Edmund S., Grace, Fine, and Beutel.
Van Heeckeren, William, Meadows, and Jacobson.

Philips Mfg. Company, assignee: *See*—
Tomchin, Robert.

Philipson, Joseph, Los Angeles, Calif., assignor to North American Aviation, Inc. Cable seal. 2,592,940, Apr. 15.

Phillatsch, John B., Aurora, Ill., assignor to Silver-King Corp. Entrance for chutes of coin-operated devices. 2,598,010, May 27.

Phillips, Alfred T., assignor to National Packaging Machinery Repair Co., Chicago, Ill. Filling machine. 2,606,693, Aug. 12.

Phillips, Alfred T., assignor to National Packaging Machinery Repair Co., Chicago, Ill. Dispensing device and valve assembly therefor. 2,613,017, Oct. 7.

Phillips, Asa W., Melvindale, Mich. Lawn sprinkler. 2,599,280, June 3.

Phillips, Benjamin, and P. S. Starcher, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of acrylamides. 2,587,209, Feb. 26.

Phillips, Benjamin, and P. S. Starcher, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of acrylamides. 2,587,210, Feb. 26.

Phillips Brothers, assignee: *See*—
Smedes, George F.
Phillips, Cecil, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Suppressing the corrosion of copper-containing alloys in the presence of ammonium salts. 2,586,709, Feb. 19.
Phillips, Chester S., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Centrifugal actuator. 2,588,159, Mar. 4.
Phillips, Clarence S.: *See*—
Phillips, Harold B. and C. S.
Phillips, Delbert L., assignee: *See*—
Phillips, Delbert L.
Phillips, Delbert L., Culver City, assignor to W. R., W. S., and B. Whittaker, R. M. and R. D. Vandegrift, and D. L. Phillips, co-partners doing business as Wm. R. Whittaker Co., Ltd., Los Angeles, Calif. Shutoff valve. 2,604,293, July 22.
Phillips, Edwin N., assignor to Collins Radio Company, Cedar Rapids, Iowa. Impedance-matching and standing-wave-ratio measuring system. 2,615,958, Oct. 28.
Phillips, Everett D., Saginaw, Mich. Fluid swept ball mill with ball moving rotor and stationary drum. 2,621,859, Dec. 16.
Phillips, Gerald E., Cranford, N. J., assignor to Standard Oil Development Company. Refining of liquid or semi-liquid carbonaceous materials. 2,623,843, Dec. 30.
Phillips, G. Willard, assignee: *See*—
Smedes, George F.
Phillips, Hardy K., Morganton, N. C. Acoustical Venetian blind. 2,590,204, Mar. 25.
Phillips, Hardy K., Morganton, N. C. Insulating apparatus for bathtubs. 2,602,935, July 15.
Phillips, Harold B., Wichita, Kans., and C. S. Phillips, Memphis, Mo. Portable power-driven coal conveyer. 2,599,659, June 10.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Composite piston ring assembly. 2,587,888, Mar. 4.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Cylinder broach. 2,591,004, Apr. 1.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,594,986, Apr. 29.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and elements thereof. 2,594,987, Apr. 29.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and elements thereof. 2,596,286, May 13.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Cylinder hone. 2,612,010, Sept. 30.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,614,899, Oct. 21.
Phillips, Harry A., Chicago, Ill. Suction line liquid return trap. 2,589,859, Mar. 18.
Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating insoles. 2,616,106, Nov. 4.
Phillips, Herbert C.: *See*—
Kelley, Walter C., and Phillips.
Phillips, Herbert W., assignor of one-half to R. L. Welch, Jr., Washington, D. C. Mechanical amusement or exercising horse. 2,589,570, Mar. 18.
Phillips, Howard C., and E. M. Runkles, Detroit, Mich. Combination desk and stand. 2,604,369, July 22.
Phillips, Hugh E., Streatham Vale, London, England. Liquid meter. 2,618,245, Nov. 18.
Phillips, John H., Chicago, Ill. Work feeding device for milling machines and the like. 2,602,377, July 8.
Phillips, John L., Teague, Tex. Kink eliminator for handsaws. 2,612,919, Oct. 7.
Phillips, John W., Osgodby, near Lincoln, England. Kite for the head ropes of trawl nets and similar fishing nets. 2,603,904, July 22.
Phillips, Joseph A., Wichita, Kans., assignor to Curtiss-Wright Corporation. Flap operating means. 2,589,026, Mar. 11.
Phillips, Joseph F., Chicago, Ill. Punch for forming holes in cans. 2,584,047, Jan. 29.
Phillips, Joseph W.: *See*—
Ingraham, Robert P., Phillips, and Ganis.
Phillips, Julia W., Denver, Colo. Combination baby carrier and utility bag. 2,597,948, May 27.
Phillips, Lester L., Pittsfield, Mass., assignor to General Electric Company. Stop joint for cables. 2,582,064, Jan. 8.
Phillips, Leonard R.: *See*—
Nilsson, Henry O., and Phillips.
Phillips, Leonard R., Teaneck, N. J., and W. J. Waeldner, Hawthorne, assignors to Anemostat Corporation of America, New York, N. Y. Air outlet device for ventilating apparatus. 2,603,141, July 15.
Phillips, Marshall W., Lima, Ohio. Engine crankcase scavenging apparatus. 2,585,495, Feb. 12.
Phillips, Mattie M. M., assignee: *See*—
Millican, Roy E.
Phillips, Norman E., College Park, assignor of one-third to L. G. Goff, Bethesda, Md. Thermal respirator. 2,610,038, Sept. 9.
Phillips, Norman W. F., Arvida, assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Furnace discharge apparatus. 2,580,700, Jan. 1.
Phillips, Oliver V.: *See*—
Beezley, Weldon D., and Phillips.
Phillips Petroleum Company, assignee: *See*—
Alexander, Cruzan, and Dutcher.
Arnold, Philip M.
Aston, John G., and Mastrangelo.
Axe, William N., and De Vault.
Ayers, Arnold L.
Ayers, Arnold L., and Scott.
Bailey, Grant C., and Reid.
Bailey, Grant C., and Whitney.
Bailey, Joyce T.
Barrett, William R.
Barton, Hugh M., Jr.
Bayless, Frederick B.
Bearer, Louis C., and Hill.
Benedict, Bruce C.
Bergman, William E.
Berkemeyer, Robert.
Blue, Richard W., and Engle.
Blumer, Donald R.
Boatright, Robert G., and Fetchin.
Box, E. O., Jr.
Boyd, James H.
Boyd, Joseph W.
Brownlow, Cecil L.
Cade, George N.
Carnell, Paul H.
Carney, Samuel C.
Carpenter, Paul G.
Cines, Martin R.
Claassen, Howard H., and Beu.
Clark, Alfred.
Clark, Alfred, and Condon.
Condon, Francis E.
Crawford, Chester C.
Crouch, Willie W.
Crouch, Willie W., Crosnoe, and Werkman.
Crouch, Willie W., and Howe.
Crouch, Willie W., and Mitchell.
Cutforth, Howard G.
De Boisblanc, Deslonde R.
De Boisblanc, Deslonde R., and Marsden.
De Boisblanc, Deslonde R., and Oberlin.
Delametter, Walter F.
Dougherty, Charles F., and Chapman.
Dougherty, Charles F., Jr., and Chapman.
Dutcher, Harris A.
Eddy, William R.
Eddy, William R., and St. Clair.
Evans, Walter R.
Ferro, Bernardo J., Jr.
Findlay, Robert A.
Fleming, Harold W.
Fleming, Harold W., and Cromeans.
Fleming, Harold W., and Friedman.
Ford, George F.
Freund, Robert R., and Creel.
Friedman, Alvin H.
Friedman, Alvin H., and Moran.
Fryling, Charles F.
Fryling, Charles F., and Follett.
Fryling, Charles F., and Troyan.
Fryling, Charles F., Troyan, and Pritchard.
Fryling, Charles F., and Uraneck.
Garretson, Owen L.
Garretson, Owen L., and Henneman.
Gilmore, Forrest E.
Given, Robert J.
Goins, Robert R.
Goodhue, Lyle D., and Florence.
Goodhue, Lyle D., and Tissot.
Goodson, Luke B., and Guyer.
Goodwin, Robert C.
Gray, Worth.
Groebe, John L., and Karbosky.
Hachmuth, Karl H.
Hanson, George H.
Harbison, Lynn.
Hebard, Glen G.
Heffner, Robert E.
Helmers, Carl J., and Mathy.
Henneman, Clarence O.
Henneman, Clarence O., and de Boisblanc.
Hillyer, John C.
Hillyer, John C., and Edmonds.
Himel, Chester M., and Edmonds.
Hogan, John P., and Banks.
Hogan, John P., and Friedman.
Hudson, Thomas B.
Hutchinson, William M.
Johnson, Paul H., and Forseth.
Johnstone, Leo H., Webber, and Costolow.
Jolly, John V.
Jones, Jean P.
Jones, Rufus V.
Kilpatrick, Myron O.
Kleiss, Louis D.
Kolthoff, Izaak M., and Carr.
Krejci, Joseph C.
Lea, Peggy J.

Phillips Petroleum Company, assignee: *See*—Continued.
Lea, Peggy J., and Fisher.
Lee, Henry H.
Leonard, Nelson J.
Loy, John W.
Lyon, Joseph P., Jr., and Harban.
Mahan, John E.
Mahan, John E., and Fauske.
Mahan, John E., and Turk.
Malick, Emil A.
Mayland, Bertrand J.
McClendon, Ernest A.
McKay, Dwight L.
McNamara, Timothy L.
Miller, Alvin J.
Miller, Elmer C.
Montgomery, Orin C.
Moran, Jesse N.
Morgan, Thomas D.
Morris, Lloyd C., and Smith.
Myers, John W.
Oberlin, Lyman M.
Olson, Andrew R.
Owen, James R.
Owen, James R., and Myers.
Pankratz, Howard J., Dutcher, and Alleman.
Parsons, Edwin D.
Perry, Charles W.
Peterson, Glen.
Pettigrove, John R.
Piety, Raymond G.
Piety, Raymond G., and Thomas.
Pitzer, Emory W.
Pollock, Lyle W.
Prentiss, Spencer S.
Prentiss, Spencer S., and Sperberg.
Pryor, Robert C.
Railsback, Darrell C.
Ray, Gardiner C.
Reynolds, William B.
Reynolds, William B., and Fryling.
Reynolds, William B., Wicklatz, and Kennedy.
Robinson, Sam P.
Ruehlen, Forrest N.
Ryan, Martin A.
St. Clair, Theodore A.
St. John, Willard M., Jr., and Uraneck.
Samuels, Sherwood C., Jr.
Scanlan, Robert W., and Cunningham.
Schneider, Valerie.
Schulze, Walter A., and Crouch.
Shaeffer, David W.
Shelby, Anthony O.
Shobe, Henry A.
Short, Graham H.
Simms, Russell K.
Smith, Frederick M.
Snyder, Harold R., and Stewart.
Stanley, Clyde P.
Stewart, S. Grant.
Storment, Joseph E.
Sullenger, Henry E.
Tarr, Tom A.
Thomas, Clarence J.
Thomas, Marion E.
Tilley, Aubra E.
Troyan, James E.
Troyan, James E., and Sperberg.
Tucker, Charles M., and Wells.
Uraneck, Carl A., and Landes.
Uraneck, Carl A., St. John, Fryling, and Troyan.
Uraneck, Carl A., Tucker, and St. John.
Wagner, Cary R.
Warner, Paul F.
Weber, Louis J.
Weber, Louis J., and Ringo.
Weedman, John A.
Whaley, Thomas H., Jr.
Whitney, William B.
Wicklatz, John E.
Wicklatz, John E., and Short.
Wiley, Bruce F.
Phillips, Randall P., Jr., San Antonio, Tex. Corner cap dispensing device. 2,601,941, July 1.
Phillips, Ray G., Port Huron, Mich. Self-regulating fluid heater. 2,619,944, Dec. 2.
Phillips, Richard F., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Benzhydryl ethers of tropines and their production. 2,595,405, May 6.
Phillips, Richard F., Westfield, and E. M. Cates, assignors to Merck & Co., Inc., Rahway, N. J. Preparing N,N-dimethyl - N' - (p-chlorobenzyl)-N'-(2-pyridyl)-ethylenediamine. 2,607,778, Aug. 19.
Phillips, Robert A.: *See*—
Turechek, George F., and Phillips.
Phillips, Russell B., assignee: *See*—
Smedes, George F.
Phillips, Stanley H., Stratford, assignor, to The Warner Brothers Company, Bridgeport, Conn. Machine for cutting, processing, and/or seaming fabric or like sections, and product thereof. 2,592,463, Apr. 8.
Phillips Tutch-Latch Company, assignee: *See*—
Nottingham, Ralph K.
Phillips, Washington H.: *See*—
Gard, George E., and Phillips.
Phillips, William E., Drexel Hill, and E. J. Cranch, Bryn Athyn, assignors to Leeds and Northrup Company, Philadelphia, Pa. Self-balancing, self-standardizing measuring system. 2,610,311, Sept. 9.
Phillips, Willis E., Deerfield, and C. S. Szegho, Chicago, Ill., assignors to The Rauland Corporation. Electron gun for cathode-ray tubes. 2,596,508, May 13.
Phil-Mar Corporation, assignee: *See*—
Secrist, Lee.
Philofsky, Harold M.: *See*—
Botts, John C., and Philofsky.
Philpott, La Verne R., Washington, D. C. Automatic aircraft propeller synchronizer. 2,593,484, Apr. 22.
Philpott, La Verne R., Washington, D. C. Signal generating device. 2,596,167, May 13.
Philpott, La Verne R., Washington, D. C. Echo ranging circuit. 2,607,914, Aug. 19.
Philpott, Tyra A., Grand Junction, Colo. Ore concentrating apparatus. 2,607,487, Aug. 19.
Phinney, Edward D., Mount Vernon, N. Y., and A. H. Reeves, Reigate, England, assignors to International Standard Electric Corporation, New York, N. Y. Superheterodyne radio receiver employing a multifunction tube. 2,597,029, May 20.
Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Recessed head fastener. 2,592,462, Apr. 8.
Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Display card for taped screws. 2,599,011, June 3.
Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Driving tool for socket head fasteners. 2,601,453, June 24.
Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Making headed fastener. 2,609,550, Sept. 9.
Phippen, A. M., assignee: *See*—
Hueladonk, William A.
Phipps, Orville, Adams County, near Denver, Colo. Self-piloted rotary drill bit. 2,607,562, Aug. 19.
Phipps, Ray L., Hingham, Mass. Rotary hand hoe. 2,593,341, Apr. 15.
Phoenix Metal Cap Co., Inc., assignee: *See*—
Tesch, Ernest A., Jr.
Photo Research Corporation, assignee: *See*—
Crandell, Frank F.
Crandell, Frank F., and Heldt.
Photoswitch Incorporated, assignee: *See*—
Cade, Phillip J., and MacDougall.
Giuffrida, Philip.
Photoswitch Marine Division, Inc., assignee: *See*—
Cade, Phillip J.
Cade, Phillip J., and MacDougall.
Cade, Phillip J., and Shaw.
Phrix-Werke Aktiengesellschaft, assignee: *See*—
Friederich, Alfred.
Phyl, Joseph, Fanwood, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,592,508, Apr. 8.
Physicists Research Company, assignee: *See*—
Priest, Dorman E.
Physiological Chemicals Company, assignee: *See*—
Ruskin, Simon L.
Piacentino, Nicholas, Atlantic City, N. J. Making concrete building units. 2,596,914, May 13.
Piampiano, Frank, Lake Hiawatha, and A. H. Bennett, Livingston, assignors to Last-Long Safety Hammer Co., Orange, N. J. Soft metal hammer. 2,607,379, Aug. 19.
Pianfetti, John A., South Charleston, and R. W. Timmerman, Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, Wilmington, Del. Gaseous phase photohalogenation of hydrocarbons. 2,606,867, Aug. 12.
Pianfetti, John A., South Charleston, W. Va., and M. Y. Seaton, Greenwich, Conn., and D. Williams, Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, Wilmington, Del. Production of hexachlorocyclohexane. 2,607,723, Aug. 19.
Pianfetti, John A., and D. J. Porter, South Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Producing chlorinated acetaldehydes utilizing chlorinated acetaldehydes as diluents. 2,615,048, Oct. 21.
Pianfetti, John A., and D. J. Porter, South Charleston, W. Va., assignors to Food Machinery and Chemical Corporation, Wilmington, Del. Producing chloral. 2,615,049, Oct. 21.
Piasecki Helicopter Corporation, assignee: *See*—
Daland, Elliot.
Meyers, Donald N.
Miller, Charles C., Jr.
Miller, Charles C., Jr., and Abbe.
Rzeczycki, Joseph.
Vanderlip, Edward G., and Daland.
Piatt, Jesse B., New Lebanon, Ohio. Roofing and siding. 2,621,617, Dec. 16.

Platt Products Corporation, assignee: *See*—
Andrews, Henry.
Ritter, Andrew P.

Platti, Sanzio P. V., Milan, Italy. Motor unit for bicycles and like vehicles. 2,586,082, Feb. 19.

Plazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Tube former. 2,587,211, Feb. 26.

Plazze, Thomas E., Mount Vernon, Ohio., assignor to Shellmar Products Corporation, Chicago, Ill. Sealing machine and method. 2,606,850, Aug. 12.

Pica, Daniel, Chicago, Ill., assignor of one-half to F. Kemptner, Silver Lake, Wis. Compressor. 2,582,157, Jan. 8.

Picanol, Jaime, Ypres, Belgium. Letoff mechanism for looms. 2,585,167, Feb. 12.

Picanol, Jaime, Ypres, Belgium. Toroidal variable-speed gear drive. 2,595,367, May 6.

Picard, John B., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary drilling rig. 2,610,026, Sept. 9.

Picard, Lucien, Sainte-Savine, assignor of three-twelfths to J. Millard, Troyes, two-twelfths to L. Carbonnaux, and one-twelfth to J. Manotte, Sainte-Savine, France. Knitting. 2,609,677, Sept. 9.

Picard, Maxime F. B.: *See*—
Schlumberger, Marcel, and Picard.
Schlumberger, Marcel, Picard, and Barreteau.

Picard, Maxime F. B., and M. Schlumberger, assignors to Societe de Prospection Electrique Procedes Schlumberger, Paris, France. Optical apparatus for measuring by deflection. 2,592,329, Apr. 8.

Picard, Robert G., Collingswood, N. J., assignor to Radio Corporation of America. Self-supporting luminescent films. 2,588,569, Mar. 11.

Piccardo, Cesare, Genoa, Italy. Continuously softening water and apparatus therefor. 2,604,444, July 22.

Piccardo, Jack E., Oakland, Calif., assignor, by mesne assignments, to Barnes-Shasta Pump Co. Combination valve and air charger. 2,614,498, Oct. 21.

Picciano, Michael A., Maywood, assignor to Breeze Corporations, Inc., Newark, N. J. Thermal flowmeter. 2,591,195, Apr. 1.

Picciano, Robert, Bronx, and I. Abramowitz, Brooklyn, N. Y. Collapsible thread feeding appliance for sewing machines. 2,610,599, Sept. 16.

Piche, Philippe, Valleyfield, Quebec, Canada. Revolving spaghettti fork. 2,602,996, July 15.

Pick, Arnost, New York, N. Y., assignor to J. W. Spear & Sons Limited, Enfield, Middlesex, England. Educational device. 2,586,710, Feb. 19.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Valve mechanism for controlling flow through ion exchange apparatus. 2,581,878, Jan. 8.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Apparatus for treating water. 2,596,822, May 13.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Apparatus for treating water. 2,596,915, May 13.

Pick, Eric, East Rockaway, N. Y., and G. R. Carlsson, Cliffside Park, N. J., assignors to The Permutit Company, New York, N. Y. Volumetric feeder. 2,619,261, Nov. 25.

Pickands Mather & Co., assignee: *See*—
Royster, Percy H.

Pickard, Albert F., Minneapolis, Minn. Socket wrench head. 2,603,325, July 15.

Pickard, Henry M.: *See*—
Bohannan, Robert C., Pickard, and Horning.

Pickart, Donald E.: *See*—
MacLean, Alexander F., and Pickart.

Pickels, Edward G., Palo Alto, assignor to Specialized Instruments Corporation, Belmont, Calif. Centrifuge construction with semi-automatic controls for a movable vacuum chamber. 2,608,344, Aug. 26.

Pickens, Claude A., and W. D., Spokane, Wash., said W. D. Pickens assignor to said C. A. Pickens. Filtering liquid level gauge. 2,616,294, Nov. 4.

Pickens, William D.: *See*—
Pickens, Claude A., and W. D.

Picker X-Ray Corporation Waite Manufacturing Division Inc., The, assignee: *See*—
Goldfield, Edwin R., and Ball.
Graves, Edward B.

Pickett, Charles F.: *See*—
Rosenfeld, Myer, and Pickett.

Pickett, Charles F., Bel Air, and M. Rosenfeld, Aberdeen, Md. Cleaning composition. 2,613,186, Oct. 7.

Pickford, Jack: *See*—
Ardito, William A., and Pickford.

Picking, Jay W., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Electrical control system. 2,601,002, June 17.

Pickles, Joseph A., Sanford, assignor of forty per cent to C. T. Barton, Kittery, Maine. Cast cutter. 2,617,186, Nov. 11.

Pickles, Sidney B., North White Plains, N. Y., and C. B. Watts, Jr., Indianapolis, Ind., assignors to International Standard Electric Corporation, New York, N. Y. Localizer beacon system. 2,593,485, Apr. 22.

Picton, John B., assignor to Joshua Bigwood & Son, Limited, Wolverhampton, England. Machine for stripping sheet metal. 2,586,376, Feb. 19.

Picton, Thomas D., Rockport, Tex. Screen stretching tool. 2,587,889, Mar. 4.

Pictorial Machinery Limited, assignee: *See*—
Spriggs, John E.

Pidacks, Charles, Spring Valley, and E. E. Starbird, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Purifying aureomycin by chromatographic adsorption. 2,586,766, Feb. 19.

Pidacks, Charles, Montvale, N. J., and G. M. Sieger, Jr., Pearl River, assignors to American Cyanamid Company, New York, N. Y. Aureomycin complex. 2,603,584, July 15.

Pidgeon, Robert E.: *See*—
Russell, Edward A., Lebane, and Pidgeon.

Piekarski, Joseph J., Westfield, and J. L. Baillargeon, Springfield, assignors to Wico Electric Company, West Springfield, Mass. Impulse coupling. 2,622,215, Dec. 16.

Pielop, William E., Jr., Houston, Tex. Slush pump piston and rod assembly. 2,600,516, June 17.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Propulsion power plant. 2,602,901, July 8.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Combustion engine cylinder head casing. 2,608,965, Sept. 2.

Pielstick, Gustav, Saint Germain en Laye, France. Auxiliary pump arrangement for water cooled engines. 2,609,800, Sept. 9.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Combustion engine valve operating means. 2,610,617, Sept. 16.

Pieper, Joseph T., assignee: *See*—
Hayms, Raymond F.

Pierce, Bernard N., Avon, assignor to The Merrow Machine Company, Hartford, Conn. Cam mechanism. 2,580,953, Jan. 1.

Pierce, Clayton B., assignor to Emerol Manufacturing Co., New York, N. Y. Auxiliary fluid supply valve. 2,598,598, May 27.

Pierce, Earl W.: *See*—
McDougal, Taine G., and Pierce.

Pierce, Earl W., Chicago, Ill., assignor to United States Steel Company. Device for introducing solid materials into molten metals. 2,585,404, Feb. 12.

Pierce, Edgar L.: *See*—
James, Raymond E., and Pierce.

Pierce, Ernest P., assignor to J. R. Milburn, Cleveland, Ohio Appliance for use in welding. 2,619,928, Dec. 2.

Pierce, Frank L., Camp Hill, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Terminal with insulation piercing ferrule. 2,617,845, Nov. 11.

Pierce, Frederick E., Hanover, N. H. Storing and recovering peat. 2,590,205, Mar. 25.

Pierce Governor Company, Inc., The, assignee: *See*—
Reger, Raymond.

Pierce, Harold C., Pomona, Calif. Boxed produce carloading. 2,585,269, Feb. 12.

Pierce, Harold C., Pomona, Calif. Box load brace. 2,608,165, Aug. 26.

Pierce, Harold C., Pomona, Calif. Bracing system for boxcar loads. 2,608,166, Aug. 26.

Pierce, Harold F.: *See*—
Berchem, Hubert C., Jr., and Pierce.

Pierce, Herman S., assignee: *See*—
Hodgson, Robert W.

Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation and drying of catalytic hydrogel beads. 2,584,286, Feb. 5.

Pierce, John A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gain control device for radio receivers. 2,599,777, June 10.

Pierce, John B., Foundation, assignee: *See*—
Anderegg, Frederick O.
Cataldo, John B.
Cataldo, John B., and Tidd.
Cataldo, John B., Tidd, and Cook.
Da Fano, Ettore.
O'Brien, Joseph F., and Cataldo.
Rapp, George M.

Pierce, John R.: *See*—
Lewis, Willard D., and Pierce.

Pierce, John R., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system employing pulse code modulation. Re. 23,579, Nov. 11.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron gun. 2,585,582, Feb. 12.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency amplifier. 2,602,148, July 1.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube. 2,609,520, Sept. 2.

Pierce, Lawrence: *See*—
Immel, Ralph B., and Pierce.

Pierce, Lawrence, Swissvale, and J. C. Ponstingl, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mounting clamp for terminal blocks. 2,583,157, Jan. 22.

Pierce, Le Mont: *See*—
Smith, Roy A., and Pierce.

Pierce, Lloyd L., and E. J. White, assignors to The Gates Rubber Company, Denver, Colo. Tire patch. 2,587,759, Mar. 4.

Pierce, Mary B., executrix, assignee: *See*—
Pierce, Winslow S., Jr.

Pierce, Maurice C., Madison, Wis. Golf tee. 2,612,373, Sept. 30.

Pierce, Raymond C., Chicago, Ill. Brake rotor. 2,603,316, July 15.

Pierce, Raymond C., Chicago, Ill. Spring testing machine. 2,612,038, Sept. 30.

Pierce, Robert E., Glendale, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag closure apparatus. 2,594,207, Apr. 22.

Pierce, Robert E., San Jose, Calif. Trap. 2,585,833, Feb. 12.

Pierce, Robert P., Chicago, Ill. Signaling drink mixer. 2,597,522, May 20.

Pierce, Versa, Dearborn, Mich. Bath mitt. 2,595,882, May 6.

Pierce, Roy M., Spokane, Wash. Windshield wiper. 2,582,717, Jan. 15.

Pierce, Samuel E.: *See*—
Underwood, Roy J., and Pierce.

Pierce, Wayne M., Jr., assignor to Tey Manufacturing Corporation, Milford, Conn. Ski binding. 2,614,858, Oct. 21.

Pierce, William R., Long Branch, N. J. Circularly-adjustable hand-held reciprocating-blade scroll saw. 2,619,132, Nov. 25.

Pierce, Winslow S., Jr., Dublin, assignor to Split Ball-bearing Corporation, Lebanon, N. H. Cushioned bearing and bushing therefor. 2,608,451, Aug. 26.

Pierce, Winslow S., Jr., deceased, Keene, N. H., M. B. Pierce, executrix, assignor to M. B. Pierce. Adjustable dampening bearing support. 2,614,896, Oct. 21.

Pierce, Winslow S., Jr., Dublin, and F. H. Stearns, Meriden, assignors, by mesne assignments, to B. B. Sales Company, Lebanon, N. H. Top roll and bearing structure therefor. 2,623,245, Dec. 30.

Pierlot, Maurice, Heist-Aan-Zee, Belgium. Otter board. 2,608,781, Sept. 2.

Piermatteo, Charles T., Philadelphia, Pa. Heating system. 2,622,185, Dec. 16.

Pieroni, Bruno, New York, N. Y. Check valved nozzle. 2,621,077, Dec. 9.

Pierotti, Gino J.: *See*—
Cole, Robert M., Dunn and Pierotti.

Pierre, Bernard, Paris, France. Concrete tamping device. 2,607,569, Aug. 19.

Pierrée, Claire: *See*—
Robillard, Jean, and Pierrée.

Pierson, Clyde D.: *See*—
Peters, Harry, and Pierson.

Pierson, Earl: *See*—
Mahoney, John F., and Pierson.

Pierson, Earl, Harrisonburg, Va., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of β - methylmercaptopropionaldehyde. 2,584,496, Feb. 5.

Pierson, Harold L., Sea Breeze, assignor to E. P. Reed & Co., Rochester, N. Y. Cushion insole for welt shoes. 2,598,296, May 27.

Pierson, Harold L., Sea Breeze, assignor to E. P. Reed & Co., Rochester, N. Y. Insole with a laminated cushion forepart. 2,598,297, May 27.

Pierson, Hugh O., Hyattsville, Md. Apparatus for individually dispensing cards, sheets, or the like. 2,620,250, Dec. 2.

Pierson, Olof P., Caribou, Maine. Frying apparatus. 2,616,359, Nov. 4.

Pierson, Ralph R.: *See*—
Fichter, Ludwig J., and Pierson.

Pierson, Reginald K., and R. A. Firman, Weybridge, assignors to Vickers-Armstrongs Limited, London, England. Bomb slip, towing gear, and analogous releasable attachments. 2,604,353, July 22.

Pieth, Peter, assignor to Ciba Limited, Basel, Switzerland. Effecting coupling reactions. 2,583,517, Jan. 22.

Pietrusza, Edward W., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of nitrilotrispropionamide. 2,580,832, Jan. 1.

Pietrusza, Edward W., and J. N. Cosby, Morristown, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Acrylonitrile synthesis. 2,608,576, Aug. 26.

Pietrzak, Henry S., assignor to Lichten Company, Chicago, Ill. Gun for discharging plastic composition. 2,617,560, Nov. 11.

Pietsch, Herman A., Greentree Borough, assignor to Dravo Corporation, Pittsburgh, Pa. Forced air flow air-heating furnace. 2,600,020, June 10.

Pietsch, Joseph A., Schenectady, N. Y., assignor to General Electric Company. Refrigerator cabinet having means to improve temperature distribution. 2,621,489, Dec. 16.

Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Determining the direction of arrival of waves. 2,614,166, Oct. 14.

Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,619,830, Dec. 2.

Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Thermal-electric flowmeter for fluid flow measurement in boreholes. 2,620,658, Dec. 9.

Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for forcibly propelling pellets against a surface. 2,621,351, Dec. 16.

Piety, Raymond G., Tuckahoe, N. Y., assignor to Phillips Petroleum Company. Spring. 2,584,612, Feb. 5.

Piety, Raymond G., and M. E. Thomas, Bartlesville, Okla., assignors to Phillips Petroleum Company. Seismometer. 2,593,052, Apr. 15.

Pietzsch, Frank H., Clayton, assignor to Western Railway Equipment Company, St. Louis, Mo. Railway car draft key retainer. 2,593,790, Apr. 22.

Pietzsch, Frank H., Clayton, assignor to Western Railway Equipment Company, St. Louis, Mo. Freight vehicle side wall with anchoring means for lading strapping. 2,610,587, Sept. 16.

Pietzsch, Frank H., Clayton, assignor to Western Railway Equipment Company, St. Louis, Mo. Brake rod and jaw assembly. 2,621,062, Dec. 9.

Pietzsch, Kurt F., South Hills, Pa., assignor to American Cyanamid Company, New York, N. Y. Method and apparatus for opening sheet metal containers. 2,596,432, May 13.

Pigman, William W., Appleton, Wis.; R. W. Kerr, Riverside, and N. F. Schink, River Forest, Ill., assignors to Corn Products Refining Company, New York, N. Y. Cold water dispersible starch product and preparing the same. 2,609,326, Sept. 2.

Pignons S. A., Ballaigues, assignee: *See*—
Cornut, André R.

Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Chuck. 2,610,066, Sept. 9.

Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Bearing and lubricant tester. 2,623,384, Dec. 30.

Pijoan, Michel: *See*—
Englert, Robert D., Gerjovich, and Pijoan.

Pike, Beuhring W., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Altitude indicator system. 2,589,860, Mar. 18.

Pike, Charles B., Santa Fe, N. Mex. Container. 2,592,734, Apr. 15.

Pike, David P.: *See*—
Dent, Robert C., D. P. and P. V. Pike.

Pike, Milow W., Omaha, Nebr. Antiskid tire chain. 2,594,068, Apr. 22.

Pike, Paul V.: *See*—
Dent, Robert C., D. P. and P. V. Pike.

Pike, Philip L.: *See*—
Carver, George P., and Pike.

Pike, Ralph E., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Translucent metallic enamel and making it. 2,604,414, July 22.

Pike, Robert D., Greenwich, Conn. Apparatus for water ice refrigeration. 2,590,269, Mar. 25.

Pike, Winthrop S.: *See*—
Flory, Leslie E., and Pike.

Pike, Winthrop S., Princeton, N. J., assignor to Radio Corporation of America. Signal selection. 2,593,600, Apr. 22.

Piker, Herbert M., assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Metal box. 2,596,043, May 6.

Pilch, John S., Ware, Mass. Hydraulic by-pass system and valve therefor. 2,590,454, Mar. 25.

Pilcher, Matt V., Sarasota, Fla. Airplane safety device. 2,591,602, Apr. 1.

Pileggi, Vincent R., Philadelphia, Pa. Hair thinning scissors. 2,606,365, Aug. 12.

Pilla, Frank J., West Orange, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Gas blanketed arc welding. 2,583,665, Jan. 29.

Pillero, James, Astoria, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Innerspring mattress construction. 2,610,333, Sept. 16.

Pillero, James, Astoria, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Mattress construction. 2,610,334, Sept. 16.

Pillero, James, Astoria, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Mattress and upholstery spring structure. 2,611,138, Sept. 23.

Pilj, Guy H., Los Angeles, Calif. Rod cleaning apparatus. 2,588,758, Mar. 11.

Pilkington Brothers Limited, assignee: *See*—
Bousseau, Pierre, and Touvay.
Cole, Horace, Green, Le Mare, and Taylor.
Wilcock, John E.
Wilcock, John E., and Baillie.

Pilkington, William, Sr., assignee: *See*—
Pilkington, William T., Jr.

Pilkington, William T., Jr., assignor of one-third to W. Pilkington, Sr., and one-third to P. Mallamas, Jr., Beckley, W. Va. Leaf spring construction. 2,587,522, Feb. 26.

Pilkinton, Paul G.: *See*—
Gartner, Stanley J., and Pilkinton.

Pillar Furniture Manufacturing Co., assignee: *See*—
Miller, Edward R.

Piller, Bohumil: *See*—
Zmatlik, Josef, Starý, Piller and Pinkava.

Pilley, Frank M., Wichita, Kans. Spotting board for dry cleaners. 2,609,678, Sept. 9.

Pilling, Alan H.: *See*—
Grivel, Armand C., and Pilling.

Pilling Chain Company, assignee: *See*—
Lawson, Birdsall P.

Pilling, Norman B.: *See*—
Millis, Keith D., Gagnebin, and Pilling.

Pillsbury Mills, Inc., assignee: *See*—
Harrel, Chastian G., Brown, and Kimball.
Wagner, George B.

Pilon, Joseph L., and A. Beaulieu, North Bay, Ontario, Canada, assignors to Inspiration Mining & Development Company Limited. Drill bit. 2,597,669, May 20.

Pilot, Lawrence E., Drexel Hill, Pa. Car barricade or bulkhead. 2,594,208, Apr. 22.

Pilot Manufacturing Company, assignee: *See*—
Montgomery, John T.

Piltch, Eugene: *See*—
Cohen, Samuel H., and Piltch.

Piltz, Michael M., Halifax, Pa. Steering connection for vehicle pushed implements. 2,612,385, Sept. 30.

Pilz, Alfred M., Oakland, Calif. Variable pitch tube propeller. 2,605,606, Aug. 5.

Pimley, Gordon H., Preston, assignor to Dobson & Barlow Limited, Bolton, England. Building mechanism for packages of yarn. 2,599,347, June 3.

Pinaire, John S., Montrose, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Underwing fueling connection. 2,588,869, Mar. 11.

Pinanski, Samuel, Brookline, assignor to American Theatre Supply Corporation, Boston, Mass. Popped corn dispensing apparatus. 2,608,004, Aug. 26.

Pinchev, Julius A., Los Angeles, Calif. Automatic cutoff and relief valve for tires. 2,611,385, Sept. 23.

Pinckney, Harold W., Eugene, Oreg., assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage position control means for calculating machines. 2,603,417, July 15.

Pincus, Alexis G., Worcester, assignor to American Optical Company, Southbridge, Mass. Absorbing glasses and making same. 2,581,440, Jan. 8.

Pincus, Alexis G., Worcester, assignor to American Optical Company, Southbridge, Mass. Absorbing glass and making same. 2,582,453, Jan. 15.

Pinder, Jack P., Wembley, England. Closure. 2,622,759, Dec. 23.

Pindjak, Leo J., Benton, Ill. Antiskid device for vehicle tires. 2,598,298, May 27.

Pine, Cecil C., Lake Ronkonkoma, and C. L. Sharp, Setauket, N. Y., assignors to The Sperry Corporation. Safety device for automatic approach systems. 2,611,128, Sept. 16.

Pine, Cecil C., Lake Ronkonkoma, N. Y., assignor to The Sperry Corporation. Navigation aid system. 2,612,638, Sept. 30.

Pine, Frank B.: *See*—
Tonn, Christ, and Pine.

Pine, W. Morton, administrator: *See*—
Pine, Wilbur J.

Pine, Wilbur J., deceased, Wausau; W. M. Pine, Milwaukee, Wis., administrator. Apparatus for sharpening lawn mowers. 2,598,069, May 27.

Pineapple Research Institute of Hawaii, assignee: *See*—
Baldwin, Henry J.

Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.

Pines, Herman, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffins. 2,594,343, Apr. 29.

Pines, Herman, assignor to Universal Oil Products Company, Chicago, Ill. Synthesis of chloromethylated haloalkyl thiophenes. 2,613,214, Oct. 7.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,584,103, Feb. 5.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of alkylcyclopentane hydrocarbons and benzenoid hydrocarbons. 2,597,372, May 20.

Pines, Herman, B. Kvetinskas, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Oxidative condensation of alkyl aromatic hydrocarbons and of nuclearly chlorinated alkyl aromatic hydrocarbons. 2,614,130, Oct. 14.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Production of alkenyl thiophenes. 2,616,897, Nov. 4.

Pines, Herman, and B. Kvetinskas, assignors to Universal Oil Products Company, Chicago, Ill. Hydrogen transfer process. 2,616,934, Nov. 4.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of aliphatic aldehydes. 2,623,905, Dec. 30.

Pingel, Henry C., assignor to Textile Machine Works, Wyomissing, Pa. Yarn carrier rod control mechanism for knitting machines. 2,610,512, Sept. 16.

Pinkava, Jan: *See*—
Zmatlik, Josef, Starý, Piller and Pinkava.

Pinke, August H., Hastings, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Spray boom hinge. 2,602,684, July 8.

Pinkerton, Aleane C., assignee: *See*—
Pinkerton, Dale F.

Pinkerton, Dale F., assignor to A. C. Pinkerton, Alexandria, Va. Golf swing trainer. 2,608,409, Aug. 26.

Pinkney, Paul S.: *See*—
Cline, Edward T., Pinkney, Plambeck, and Stevenson.
McGrew, Frank C., and Pinkney.

Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenated butadiene-acrylonitrile copolymer. 2,585,583, Feb. 12.

Pinkney, Paul S., Niagara Falls, N. Y., B. C. Pratt and W. J. Wayne, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of ethylene with an alkyl acrylate and an alkyl monoester of a butene-1,4-dioic acid. 2,599,123, June 3.

Pinotti, Primo L., Larkspur, assignor to California Research Corporation, San Francisco, Calif. Diesel fuel. 2,583,518, Jan. 22.

Plusky, Jules, assignor to Plax Corporation, West Hartford, Conn. Electric tape. 2,622,656, Dec. 23.

Plusky, Jules, and R. L. Zweygartt, assignors to Plax Corporation, West Hartford, Conn. Apparatus for molding plastic bottles. 2,601,700, July 1.

Pinson, Alfred: *See*—
Jaccarino, Frederick, and Pinson.

Pintell, Milton H., Richmond, Va. Flexible web coated with an ethyl cellulose composition. 2,605,328, July 29.

Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Elevator control system. 2,586,859, Feb. 26.

Pinto, Arthur G., Rio De Janeiro, Brazil. Telephone switch hook actuator. 2,597,670, May 20.

Pion, Sol H., Jamaica, N. Y. Brassière construction. 2,612,641, Oct. 7.

Pioneer Company, The, assignee: *See*—
Peabody, Howard B.

Pioneer Gen-E-Motor Corporation, assignee: *See*—
Boyce, Eugene L., and Goldberg.
Boyce, Eugene L., and Loewe.
Burrows, Milford D., and Siwek.
Goldberg, Harry, and Burrows.

Pioneer Mounting & Finishing Co., Inc., assignee: *See*—
La Rocca, John.

Pioneer Valley Plastics Company, assignee: *See*—
Rosenthal, Morris, and Robinson.

Piotraschke, Fred J., Clayton, Mo. Reclining chair. 2,618,313, Nov. 18.

Pipe Line Construction and Drilling Company, assignee: *See*—
Pace, Garland B.

Pipeline Protection Company, assignee: *See*—
Price, Marion E.

Piper Brace Co., assignee: *See*—
Piper, George W.

Piper, Chester L.: *See*—
Koonz, John C., and Piper.

Piper, Frank R., and J. M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga. Packaging machine. 2,580,833, Jan. 1.

Piper, Frank R., and J. M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga. Automatic overedging machine. 2,596,168, May 13.

Piper, Frank R., and J. M. Gardner, Fairfax, assignors to West Point Manufacturing Company, Shawmut, Ala. Cloth splitting machine. 2,606,614, Aug. 12.

Piper, George W., Kansas City, Mo., assignor, by mesne assignments, to Piper Brace Co. Truss. 2,606,551, Aug. 12.

Piper, Glenn T., Louisville, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,597,813, May 20.

Piper, William E., Salt Lake City, Utah. Machine for driving rail fastening screws in railroad ties. 2,591,005, Apr. 1.

Piperoux, Rene P., Radburn, and J. N. Birmingham, Nutley, N. J., assignors to Celanese Corporation of America, New York, N. Y. Mandrel. 2,583,117, Jan. 22.

Piperoux, Rene P., Radburn, N. J., D. B. Hertz, New York, N. Y., and F. M. Culpepper, Newark, N. J., assignors to Celanese Corporation of America, New York, N. Y. Apparatus and process for preparing bands from thermoplastic material. 2,600,686, June 17.

Pipher, George J., assignor to Wilson Products, Inc., Reading, Pa. Dust hood. 2,583,304, Jan. 22.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Glass tubulature for feeding mercury. 2,615,472, Oct. 28.

Pipkin, Wilbur A., Safety Harbor, and H. L. Smith, Clearwater, Fla.; said Smith assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Feeder for whole citrus fruit. 2,622,733, Dec. 23.

Pippard, Alfred B., Cambridge, England. Aerial system. 2,609,505, Sept. 2.

Pirelli Societa Per Azioni, assignee: *See*—
Belloni, Angelo.

Pirhonen, Hilppa, Mustiala, Finland. Procedure in making and preserving juices of fruit and other vegetables. 2,620,278, Dec. 2.

Pirie, Norman W.: *See*—
Hadidian, Zareh, and Pirie.

Pirk, Gustav W.: *See*—
Doyle, James A., Jr., and Pirk.

Pirmov, Paul S., Shelburne, Mass. Photographic projection printing mechanism. 2,592,735, Apr. 15.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Springs for rail trucks. 2,590,033, Mar. 18.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Sequential braking system. 2,590,034, Mar. 18.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Rail car truck. 2,617,366, Nov. 11.

Piros, John J., Homewood, Ill., and J. A. Glover, Munster, Ind., assignors, by mesne assignments, to Sinclair Research Laboratories, Inc., Harvey, Ill. Microstill. 2,608,528, Aug. 26.

Pirtle, Joseph D., Siren, Wis. Animal trap. 2,597,814, May 20.

Pirtle, Joseph D., Siren, Wis. Double-sickle lawn mower. 2,603,935, July 22.

Pisa, Pietro, Rome, Italy. Spherical rotary compressor. 2,621,852, Dec. 16.

Pisani, Mario, and E. L. Hansen, San Francisco, Calif. Surface treating device. 2,622,563, Dec. 23.

Pischinger, Anton, Graz, Austria. Fuel injection pump for diesel engines. 2,619,042, Nov. 25.

Pistey, John M., Fairfield, Conn., assignor to General Electric Company. Turret type slim line lamp holder. 2,606,225, Aug. 5.

Pistner, Leopold, assignee: *See*—
Larson, Charles A.

Pistoles, Lambert R., Wilmington, Del. Gauge. 2,597,030, May 20.

Pistoles, Lambert R., Wilmington, Del. Gauge. 2,610,409, Sept. 16.

Pitcairn Company, The, assignee: *See*—
Bostock, Edward C.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Blade construction for aircraft sustaining rotors. 2,588,570, Mar. 11.

Pitcher, Elmer, Minneapolis, Minn. Rotary tiller for removing quack grass and the like. 2,595,537, May 6.

Pitcher, James W., and J. T. Callahan, Jr., assignors to Engineering Laboratories, Inc., Tulsa, Okla. Well drilling indicating apparatus. 2,623,387, Dec. 30.

Pitchford, Arthur H., Pittsburgh, Pa. Shaving appliance. 2,591,288, Apr. 1.

Pitman, Louis K., New York, N. Y. Apparatus for transferring liquid from one container to another. 2,584,397, Feb. 5.

Pitman, Richard W., Laverock-Hillcrest, Pa., assignor to Underwood Corporation, New York, N. Y. Automatic old balance pickup means for accounting and like machines. 2,583,666, Jan. 29.

Pitman, Richard W., Laverock-Hillcrest, Pa., assignor to Underwood Corporation, New York, N. Y. Automatic old balance pickup means for accounting and like machines. 2,615,623, Oct. 28.

Pitman, Richard W., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Torpedo director. 2,581,138, Jan. 1.

Pitney-Bowes, Inc., assignee: *See*—
Burckhardt, Alfred.
Hanson, Walter J.
Rouan, Francis J.
Rouan, Francis J., and Bach.
Rouan, Francis J., and Knauer.

Pitre, Ernest F., New Iberia, La. Sugar cane stubble digger. 2,586,254, Feb. 19.

Pitre, Guillius J., New Orleans, La. Shrimp and minnow adapter fish lure. 2,598,011, May 27.

Pitt, Harold M.: *See*—
Bender, Harry, and Pitt.

Pitt, Paul A., assignor to Solar Aircraft Company, San Diego, Calif. Flexible exhaust pipe joint. 2,616,728, Nov. 4.

Pittendreigh, William J., Hamiota, Manitoba, Canada. Proofer warming and humidifying unit. 2,621,650, Dec. 16.

Pittenger, Harold W., Los Angeles, assignor to R. R. Noble, San Diego, Calif. Micrometer height gauge. 2,590,455, Mar. 25.

Pittinger, Charles B., Baltimore, Md. Antiskid device. 2,581,770, Jan. 8.

Pittman, Kenneth F., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Battery hold-down. 2,588,870, Mar. 11.

Pittman, Kenneth F., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Steerable landing gear for airplanes. 2,621,002, Dec. 9.

Pitton, Eva V., Denver, Colo., assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary belt. 2,593,791, Apr. 22.

Pitts, John O., Grand Junction, Colo. Slusher bucket. 2,588,657, Mar. 11.

Pitts, Perie R., Jr.: *See*—
Havens, Richard A., Orr, Pitts, and Cunningham.

Pittsburgh Coke & Chemical Company, assignee: *See*—
Kamlet, Jonas, and McLaughlin.

Pittsburgh Consolidation Coal Company, assignee: *See*—
Creelman, George D.
Gorin, Everett.
Howard, Frank A.
Lesher, Carl E.

Pittsburgh Corning Corporation, assignee: *See*—
D'Eustachio, Dominic.
Ford, Walter D.
Johnson, Ralph A.
Kallenborn, John.
Shoemaker, Montgomery J.
Wiley, Otis W.

Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.

Pittsburgh Forgings Company, assignee: *See*—
Latta, William E.

Pittsburgh Plate Glass Company, assignee: *See*—
Black, Lloyd V.
Businger, Roger T., and Gerhart.
Christenson, Roger M., and Harpt.
Duncan, James E., and Smith.
Gerhart, Howard L.
Lytle, William O.
Olson, Earl R.
Parker, Earl E.
Raymond, Richard F., and Dennison.
Tarnopol, Milton S.

Pittsburgh Reflector Company, assignee: *See*—
Stubbs, Walter W.

Pittsburgh Screw and Bolt Corporation, assignee: *See*—
Graham, Harry C.

Pittsburgh Waterproof Company, assignee: *See*—
Obitz, Samuel A.

Pityo, Albert F., Clifton, and H. E. Butterfield, Jr., Maplewood, N. J. Machine for forming and welding parts. 2,605,537, Aug. 5.

Pityo, Albert F., Clifton, and H. Butterfield, Maplewood, N. J. Forming and welding pins to metal parts. 2,606,268, Aug. 5.

Pitz, Carl A., assignor, by mesne assignments, to A. L. Langenfeld, Inc., New Holstein, Wis. Slotted sole sandal. 2,590,648, Mar. 25.

Pitzer, Edgar C., Schenectady, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Dry cell assembly. 2,607,809, Aug. 19.

Pitzer, Edgar C., Schenectady, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Extraction of cerium with an organic solvent. 2,615,798, Oct. 28.

Pitzer, Emory W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reactivation of a dehydrogenation catalyst. 2,585,033, Feb. 12.

Pitzer, Emory W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrogenation of hydrocarbon with synthetic gel-type metal oxide catalysts. 2,586,377, Feb. 19.

Pitzer, Emory W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reactivation of an alumina-metal oxide catalyst. 2,605,235, July 29.

Pitzl, Gilbert, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of orangic solvent-soluble vinylidene chloride-acrylonitrile interpolymers. 2,606,894, Aug. 12.

Pivert, Oliver, New Orleans, La. Lawn edger for lawn mowers. 2,603,931, July 22.

Pixler, Harry B.: *See*—
Pixler, Louis H. and H. B.

Pixler, Louis H., Englewood, and H. B. Pixler, Denver, Colo. Differential gear control device. 2,609,709, Sept. 9.

Place, Charles E. S., Highland Park, Mich. Condensation retaining receptacle. 2,591,374, Apr. 1.

Place, Charles L., Norfolk, Conn. Propeller fan construction. 2,609,058, Sept. 2.

Place, Walter R., Glen Ridge, N. J. Apparatus for controlling die operations. 2,598,427, May 27.

Placette, Theodore, San Marcos, Tex. Relief valve. 2,587,212, Feb. 26.

Plachecki, Alexander J.: *See*—
Morgan, Erving B., and Plachecki.

Placke, Everett H.: *See*—
Goodbar, Mayo A., Placke, and Falkner.

Plagge, Alma R., administratrix de bonis non: *See*—
Plagge, Homer H.

Plagge, Homer H., deceased, Ames, Iowa; by A. R. Plagge, administratrix de bonis non, assignor of one-half to Iowa State College Research Foundation, Inc., Ames, Iowa, and one-half to The Goodyear Tire & Rubber Company, Akron, Ohio. Package and storage of apples. 2,611,709, Sept. 23.

Plaistowe, Donald L.: *See*—
Rust, Noël M., Partington, Plaistowe, and Fewings.

Plambeck, Louis, Jr.: *See*—
Cline, Edward T., Pinkney, Plambeck, and Stevenson.

Plancon, George H., P. R. Baker, and D. F. McFall, Detroit, Mich. Abrading machine shoe construction. 2,618,913, Nov. 25.

Planeaux, Marvin J.: *See*—
Brenner, Ray A., and Planeaux.

Planeaux, Marvin J., assignor to New Castle Products, Inc., New Castle, Ind. Foldable closure. 2,599,860, June 10.

Planer, Paul, New York, N. Y. Wide angle oblique projection system. 2,586,436, Feb. 19.

Planet, Felix: *See*—
Guillermet, Paul, and Planet.

Planiol, René, assignor to Pluro, Inc., New York, N. Y. Magnetic separator. 2,582,274, Jan. 15.

Planiol, René, assignor, by mesne assignments, to Plaroc, Inc., New York, N. Y. Impact pulverizing mill, including both cooling and vacuum means. 2,609,993, Sept. 9.

Plank, John G., Golden, Colo. Dividing head for bottle conveyers. 2,602,531, July 8.

Plank, Norris, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif. Continuous proportional sampler. 2,592,464, Apr. 8.

Plank, Norris, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif. Pressure regulator. 2,600,073, June 10.

Plansoen C. L., assignee: *See*—
Kroenlein, John J.

Plant, Irma C.: *See*—
Sage, Veda M., and Plant.

Plante, Henry, Saco, Maine. Ice grip for motor vehicles. 2,619,289, Nov. 25.

Plantico, Victor D., Manitowoc, Wis. Oil filter for crankcase safety devices. 2,596,789, May 13.

Plaroc, Inc., assignee: *See*—
Planiol, René.

Plass, Raymond B., Berkeley, Calif., assignor, by mesne assignments, to Ray Oil Burner Co. Adjustable viscosity sensitive burner control. 2,597,177, May 20.

Plass, Raymond B., Berkeley, and E. M. Bingham, San Rafael, Calif., assignors, by mesne assignments, to Ray Oil Burner Co. Gas burner. 2,594,797, Apr. 29.

Plastic Barrel Corporation, The, assignee: *See*—
Hagopian, Vahan.

Plastic Binding Corporation, assignee: *See*—
Spinner, Isidore, and Dahly.

Plastic & Diecast Products Corp., assignee: *See*—
Cagan, Bernard J., Burroughs, and Silverstein.

Plastic & Rubber Products, Inc., assignee: *See*—
Taylor, Harold G.

Plastic Seal Corporation, assignee: *See*—
Silver, Henry B.

Plastic Sheet Fabrication, Inc., assignee: *See*—
Irvine, Jan S.

Plastic Wire & Cable Corporation, The, assignee: *See*—
Wilmot, Charles H.

Plasti-Cation Corporation, assignee: *See*—
French, George O., and Du Roy.

Platero, Armando B., L. G. Pardo, and J. J. Bonsignore, Montevideo, Uruguay. Reinforced tile arch. 2,589,127, Mar. 11.

Plath, Robert, Seattle, Wash., assignor to Boeing Airplane Company. Adjustable jet nozzle for aircraft propulsion. 2,585,270, Feb. 12.

Platis, John: *See*—
Honeycutt, James V., Platis, and Marchand.

Platt Brothers and Company, Limited, assignee: *See*—
Bassindale, Isaac B.
Bassindale, Isaac B., and Schofield.

Platt, Franklin M., Brooklyn, N. Y. Vapor generator for form fitters and other apparatus. 2,606,272, Aug. 5.

Plattner, Placidus, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J. Reduction of steroid epoxides. 2,599,481, June 3.

Plattner, Placidus A., Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Δ^4-17α-methyl-3,20-dioxo-pregnene compounds. 2,601,168, June 17.

Platts, Howard H., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Compressor control circuit. 2,585,168, Feb. 12.

Platts, Howard H., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic booster and lever means for conveying speed control signals to a control lever for speed governors, throttles, or the like. 2,597,815, May 20.

Platz Company, Inc., The, assignee: *See*—
Platz, Henry T.

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,607,867, Aug. 19.

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,607,868, Aug. 19.

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,610,272, Sept. 9.

Platz, Elwood T., and R. S. Davis, assignors to Bull Dog Electric Products Company, Detroit, Mich. Switch. 2,611,052, Sept. 16.

Platz, Henry T., assignor to The Platz Company, Inc., Detroit, Mich. Dual load balancing hoist. 2,613,903, Oct. 14.

Plaut, Herman, Los Angeles, assignor to Aerojet Engineering Corporation, Azusa, Calif. Dinitrodiols and their alkali and alkaline earth metal salts, and preparation thereof. 2,616,923, Nov. 4.

Plautz, Arthur B., White Rock, British Columbia, Canada. Water pump pliers. 2,595,368, May 6.

Plax Corporation, assignee: *See*—
Bailey, James.
Fehrenbach, Ludwig K.
Hobson, John R.
Pinsky, Jules.
Pinsky, Jules, and Zweygartt.

Plaziak, Lawrence, Rice, Minn. Stern for outboard motorboats. 2,585,344, Feb. 12.

Pleasance, Edwin, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Wheel alignment gauge. 2,598,599, May 27.

Pleasance, Edwin, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Clamp. 2,612,794, Oct. 7.

Pledger, William A., San Francisco, Calif. Kitchen stove ventilator. 2,584,613, Feb. 5.

Pleskac, John J., Ulysses, Nebr. Cultivator shovel. 2,586,255, Feb. 19.

Plessey Company Limited, The, assignee: *See*—
Anderson, Edward G. O., Blundell, and Rhys-Jones.
Cleave, Edgar S., and Trowbridge.
Da Costa, Harry.

Pletcher, John W., Jr., South Bend, Ind. Resilient screw fastener. 2,581,288, Jan. 1.

Pletcher, Walter H., Philo, Ohio. Apparatus for sealing off wells being drilled. 2,589,430, Mar. 18.

Plevak, Joseph P., and A. Chapko, South Milwaukee, assignors to L. V., J. L., Jr., and G. C. Shuetta, Racine, Wis. Automobile sun visor. 2,621,071, Dec. 9.

Plexico, Robert S., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Remote control of transmission. 2,598,428, May 27.

Pleydell, Albert and R., Bellerose, and J. F. McIntyre, Flushing, N. Y. Sheet positioning and clamping means. 2,597,178, May 20.

Pleydell, Rose: *See*—
Pleydell, Albert and R., and McIntyre.

Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,612,030, Sept. 30.

Ploen, Curtis W., Chicago, Ill. Shield for fishhooks. 2,616,209, Nov. 4.

Plotin, Lawrence: *See*—
Alexewicz, Werner G., Plotin, and McGraw.

Plotkin, Samuel D., Evanston, assignor to Oshkosh Trunk and Luggage Co., Chicago, Ill. Construction of corner sections in luggage. 2,610,715, Sept. 16.

Plotnik, Louis, Compton, Calif. Metal scribing gauge. 2,588,658, Mar. 11.

Plott, Claude O., assignee: *See*—
Jenkins, James M.

Ploubides, John P.: *See*—
Dalton, John N., and Ploubides.

Plough, Harold E., Laporte, assignor of one-half to H. R. Mitchell, Bemidji, Minn. Resilient snap hook. 2,595,700, May 6.

Plough, Harold E., Laporte, assignor of one-half to H. R. Mitchell, Bemidji, Minn. 2,611,374, Sept. 23.

Plowden, William D., assignee: *See*—
Wilkinson, John E.

Pluck, John E., Rotherham, England. Furnace roof or arch. 2,592,184, Apr. 8.

Plueddemann, Edwin P., Toledo, Ohio, assignor to Food Machinery and Chemical Corporation, Wilmington, Del. Production of esters of relatively strong organic and inorganic acids with aliphatic compounds having more than one carbon atom. 2,612,514, Sept. 30.

Pluim, Jan: *See*—
Dijkema, Jan H., and Pluim.

Plumb, George W.: *See*—
Le Vesconte, Harold J., and Plumb.

Plumb, George W., North Hollywood, Calif. Combined container and ironing board. 2,603,011, July 15.

Plumley, Harold J., and C. M. Ryerson, Washington, D. C. Electronic blast gauge. 2,618,962, Nov. 25.

Plummer, John F., Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Thermocompressor. 2,616,614, Nov. 4.

Plummer, Kinsey L., Kensington, and G. Wilkes, Chevy Chase, Md.; said Wilkes assignor to the United States of America as represented by the Secretary of the Navy. Nutating antenna. 2,617,029, Nov. 4.

Plungian, Mark: *See*—
Seymour, George W., White, and Plungian.

Plungian, Mark, Gillette, and J. L. Riley, East Orange, N. J., assignors to Celanese Corporation of America, New York, N. Y. Mixing apparatus. 2,584,225, Feb. 5.

Plunkett, Gilman: *See*—
Machado, Anthony B., and Plunkett.

Pluro, Inc., assignee: *See*—
Planiol, René.

Plusje, Mathijs H. R. J., Beek, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Production of calcium phosphates and calcium nitrate. 2,609,271, Sept. 2.

Pluska, Theodore F., Chicago, Ill. Can topper. 2,618,054, Nov. 18.

Plyfiber Container Company, assignee: *See*—
McCrery, Harold E., and Jesser.

Plym, Lawrence J., assignor to The Kawneer Company, Niles, Mich. Metal awning. 2,583,878, Jan. 29.

Plymold Corporation, assignee: *See*—
Goldman, Paul R., and Alt.

Plymouth Cordage Company, assignee: *See*—
Billey, Peter B.
Willis, Grant N.

Plywood Research Foundation, assignee: *See*—
Hallonquist, Earl G.
Meller, John G., Stone, and Hilton.

Plzak, James J., and C. E. Husome, assignors to Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis. Metal joint for panels. 2,604,422, July 22.

Pneuman, James I., Oneida, and J. L. Foote, assignors to J. de Beer & Son, Albany, N. Y. Machine for printing on spherical objects. 2,590,456, Mar. 25.

Pneumatic Drop Hammer Company, assignee: *See*—
Fitzgerald, Reginald P.

Pneumatic Scale Corporation, Limited, assignee: *See*—
Berthelsen, Walter.
Eaton, Lewis B.
Howard, Stanley R.
Howard, Stanley R., and Vergobbi.
Hultin, Oscar H.
Sterling, Walter S.
Vergobbi, John G.

Poarch, Curtis A., Rock Hill, S. C. Game board with chance means and cards. 2,602,607, July 8.

Pöckel, Irving, assignor to Cambridge Industries Company, Cambridge, Mass. Polyvinyl resin plasticized with polyester. 2,611,756, Sept. 23.

Pocock, Merton A., Minneapolis, Minn. Laundry flat piece spreader. 2,585,834, Feb. 12.

Podbielniak, Thaddeus, Buffalo, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Circuit for providing timed electrical impulses. 2,621,294, Dec. 9.

Podbielniak, Walter J., assignee: *See*—
Doyle, Collin M.

Podbielniak, Walter J., Chicago, Ill., assignor of one-half to W. G. Podbielniak. Multiple thermocouple fractionating column. 2,602,046, July 1.

Podbielniak, Wladzia, assignee: *See*—
Doyle, Collin M.

Podbielniak, Wladzia G., assignee: *See*—
Podbielniak, Walter J.

Podell, Abram I., New York, N. Y. Mixing attachment. 2,610,513, Sept. 16.

Podell, Jacob J., New York, N. Y. Life preserver. 2,615,182, Oct. 28.

Podell, Morris, New York, N. Y. Electrical testing device. 2,581,497, Jan. 8.

Podhajsky, Theodore A.: *See*—
McElhinney, Eric M., and Podhajsky.

Podjaski, Alex A., Milwaukee, Wis. Roofing knife. 2,589,128, Mar. 11.

Podjaski, Edward, assignor to The Falk Corporation, Milwaukee, Wis. Toolholding chuck. 2,597,816, May 20.

Podskalský, Emil, assignor of one-half to Tesla, National Corporation, Prague, Czechoslovakia. Impulse metering device. 2,588,287, Mar. 4.

Podvinecz, Dorothy P., administratrix: *See*—
Podvinecz, Stephen J., and Papa.

Podvinecz, Stephen J., deceased, New York, and W. J. Papa, Bayside, N. Y.; D. P. Podvinecz, administratrix of said S. J. Podvinecz. Fastening device. 2,620,705, Dec. 9.

Poe, Edgar A.: *See*—
MacDonald, Dennison H., and Poe.

Poe, John H., assignee: *See*—
Sloan, John I.

Poe, Joseph E., Clifton, N. C. Bean duster nozzle. 2,594,798, Apr. 29.

Poe Machine and Engineering Company, Inc., assignee: *See*—
Herman, Nathan L.

Poe, William A., assignor, to Browne-Morse Company, Muskegon Heights, Mich. Top to frame connecting structure mechanism. 2,609,264, Sept. 2.

Poehlmann, George, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Battery voltage selector jumper board and terminal board for industrial truck chargers. 2,594,069, Apr. 22.

Poel, Norman C.: *See*—
Nordmark, Walter E., Miller, and Poel.

Poelma, Jacob, and C. A. Lamberts, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flashbulb. 2,611,255, Sept. 23.

Poelman, Armand J. J., Paris, France. Manufacture of imitation pearls. 2,622,042, Dec. 16.

Poetker, Frank E., Azusa, Calif. Hackle pliers with locking means. 2,622,462, Dec. 23.

Poetzsch, James L., Baltimore, Md. Adjustable lettering pen for scribers. 2,582,275, Jan. 15.

Pogacsnik, Leopold, Cleveland, Ohio. Bowling pin refinishing lathe. 2,584,915, Feb. 5.

Poggi, Giovanni, Bologna, Italy. Folder shutter slat and folder shutter made thereby. 2,586,561, Feb. 19.

Poggi, Giovanni, Bologna, Italy. Astral type window structure. 2,609,571, Sept. 9.

Poglay, Joseph, Warrensville Heights, Ohio. Air compressor accessory for vehicles. 2,595,098, Apr. 29.

Pogue, Robert H., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Jointed ladder for floating roofs. 2,583,592, Jan. 29.

Pohanka, Joseph, Oak Park, Ill. Dental light. 2,588,288, Mar. 4.

Pohjola, Uno, Detroit, Mich. Surgical dressing. 2,595,606, May 6.

Pohl, Ernest E., Elmhurst, N. Y., assignor to American Machine and Foundry Company. Code marking device for labels. 2,594,679, Apr. 29.

Pohl, Ernest E., Elmhurst, N. Y., assignor to American Machine and Foundry Company. Bowling ball return mechanism. 2,600,918, June 17.

Pohl, Herbert H., Minneapolis, Minn. Antiskid chain. 2,583,879, Jan. 29.

Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Combination color photography method. 2,586,378, Feb. 19.

Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Apparatus for spraying cinematographic film and a method for imbibition printing. 2,602,387, July 8.

Pohl, Wilfred, Harrow, England, assignor to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,617,768, Nov. 11.

Pohland, Albert, assignor to Eli Lilly and Company, Indianapolis, Ind. 1-benzylpiperidine compounds. 2,589,205, Mar. 11.

Pohle, Eric, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Cathode grid assembly. 2,582,454, Jan. 15.

Pohle, Eric, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Cathode grid assembly. 2,611,676, Sept. 23.

Pohle, Werner P., assignor to Lynn Products Co., Lynn, Mass. Oil burner head. 2,603,279, July 15.

Pohlig, Friedrich, Tobyhanna, Pa. Lock for handbag frame members. 2,600,074, June 10.

Pohlod, Michael, Jersey City, N. J. Means for keeping trouser crease straight upon the legs. 2,597,179, May 20.

Pohm, George H., Lorain, Ohio, assignor to Lorain Products Corporation. Electric control apparatus. 2,595,099, Apr. 29.

Poindexter Franklin E., Richmond Heights, and F. W. Lowe, St. Louis, Mo. Horizontal retort with reciprocating agitator. 2,615,834, Oct. 28.

Poindexter, William W., Hilton Village, assignor to F. H. Shaheen, Elizabeth City, Va. Windshield wiper. 2,604,652, July 29.

Pointon, John E., Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich. Dough divider. 2,609,765, Sept. 9.

Poirier, Ernest A., Waterville, Maine. Automatic consistency regulator for pulp and paper stocks. 2,587,760, Mar. 4.

Poisson, Alphonse: *See*—
Nye, Edward M., and Poisson.

Poisson-Quinton, Philippe, Paris, France. Aircraft wing and flap with boundary layer control. 2,585,676, Feb. 12.

Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, N. Y., assignors to The Sperry Corporation. Control system. 2,586,990, Feb. 26.

Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, N. Y., assignor to The Sperry Corporation. Reversible hydraulic drive, including follow-up system. 2,614,390, Oct. 21.

Polttevin, Maurice, Meudon, France. X-ray tube. 2,597,817, May 20.

Pokorny, Stephen S., Maquoketa, Iowa. Scoop swinging mechanism. 2,599,348, June 3.

Polad, Thomas H., assignor to Rudy Manufacturing Company, Dowagiac, Mich. Plate type condenser. 2,619,328, Nov. 25.

Polak, Louis M., Jr., Bethlehem, Pa. Scaffold support. 2,612,413, Sept. 30.

Poland, Charles O., assignor to Indiana Farm Bureau Cooperative Association, Inc., Indianapolis, Ind. Wool bagging machine with plunger having spring actuated plate. 2,622,778, Dec. 23.

Polanyi, Michael L.: *See*—
Rosenthal, Paul, Polanyi, and Gottlieb.

Polanyi, Michael L., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Temperature compensating means for refractometers and the like. 2,619,003, Nov. 25.

Polaroid Corporation, assignee: *See*—
Billings, Bruce H.
Casselman, Robert C., and Dominie.
Cohen, Saul G.
Cooper, Dexter P., Jr.
Fairbank, Murry N.
Fairbank, Murry N., and Rosenblum.
Land, Edwin H.
McCune, William J., Jr.
Wolff, Otto E.

Polhemus, Von D.: *See*—
Hogsten, Leslie G., and Polhemus.

Policansky, Hyman, Cape Town, Union of South Africa, assignor to Industrial Machinery Company Limited, London, England. Production of filter-tip cigarettes. 2,604,099, July 22.

Polikoff, Nathan, Brooklyn, N. Y. Electric alarm apparatus for bathtubs. 2,602,846, July 8.

Polin, Herbert S., Rio de Janeiro, Brazil, assignor to Audience Computing System, Inc., New York, N. Y. Telemetering device. 2,587,213, Feb. 26.

Politzer, Irving, New York, N. Y. Book display device. 2,585,586, Feb. 12.

Pollvka, John N., and G. T. Scharfenberg, Minneapolis, Minn., assignors to General Mills, Inc. Food mixer. 2,616,674, Nov. 4.

Polizzotto, Paul L.: *See*—
Backlund, Peter S., and Polizzotto.

Polk Development Company, The, assignee: *See*—
Polk, Ralph, Sr., and R. Polk, Jr.

Polk, Helen R., administratrix: *See*—
Polk, Joseph G.

Polk, Joseph G., deceased, Freeport, N. Y.; H. R. Polk, administratrix. Machine for the manufacture of spangles and similar articles. 2,587,214, Feb. 26.

Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,614,368, Oct. 21.

Polk, Ralph, Sr., and R. Polk, Jr., assignors to The Polk Development Company, Tampa, Fla. Sectionizing citrus fruits. 2,607,381, Aug. 19.

Pollack, Max, & Company, Inc., assignee: *See*—
Lowell, Walter D.

Pollack, Maxwell A., Lake Arrowhead, N. J. Polyvinyl acetal resin composition. 2,616,870, Nov. 4.

Pollak, Abraham, Linfield, Pa. Tilting-arbor saw and cradle suspension therefor. 2,590,035, Mar. 18.

Pollak, Arthur, Charleston, S. C., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Lignin reinforced rubber and making same. 2,608,537, Aug. 26.

Pollak Luminescent Corporation, assignee: *See*—
Isenberg, Sampson.

Pollak, Myer, Dorchester, Mass. Utility cutter. 2,593,601, Apr. 22.

Pollan, David: *See*—
Perillo, Florindo J., and Pollan.

Pollard-Alling Manufacturing Company, assignee: *See*—
De Minico, Frank.

Pollard, Charles E. Jr.: *See*—
Brown, John T. L., and Pollard.

Pollard, Ernest, Bradford, England. Endless driving belt. 2,598,829, June 3.

Pollard, Ernest C.: *See*—
Longacre, Andrew, and Pollard.

Pollard, Frank C., Palmyra, Mo. Fishing lure. 2,603,024, July 15.

Pollard, Leon G., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Combined facsimile transmitting and receiving equipment. 2,584,398, Feb. 5.

Pollard, Willard L., Evanston, Ill. Bookholder. 2,612,721, Oct. 7.

Polley, Eugene J., Berwyn, Ill., assignor to Zenith Radio Corporation. Linkage system for a wave-signal receiver of the tilt-out type. 2,589,627, Mar. 18.

Pollman, Adam F., Milwaukee, Wis. Concrete stair form. 2,610,380, Sept. 16.

Pollman, Richard B., Detroit, Mich. Window construction. 2,612,097, Sept. 30.

Pollock, Earl S., Lexington, assignor to The Tappan Stove Company, Mansfield, Ohio. Ventilating and cooling means for cooking ranges. 2,622,582, Dec. 23.

Pollock, Earl S., Lexington, assignor to The Tappan Stove Company, Mansfield, Ohio. Ventilating and cooling means for cooking ranges. 2,622,583, Dec. 23.

Pollock, Frank S., Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Yarn package and winding. 2,585,584, Feb. 12.

Pollock, Lyle W., Medford, Oreg., assignor to Phillips Petroleum Company. Production of fuel gas by cracking propane. 2,608,478, Aug. 26.

Pollock, Lyle W., Washougal, Wash., assignor to Phillips Petroleum Company. Continuous adsorption process. 2,610,703, Sept. 16.

Pollock, Mark W.: *See*—
Zerner, Ernst, and Pollock.

Pollock Paper Corporation, assignee: *See*—
Lacy, Benjamin F., and Reichardt.

Pollock, Samuel W.: *See*—
Kolb, William K., and Pollock.

Pollock, Willard M., Short Hills, N. J., assignor to American Type Founders, Inc. Printing press drive. 2,585,585, Feb. 12.

Pollok, Frederick J., Largs, Scotland, assignor to Imperial Chemical Industries Limited. Aqueous solutions containing soapless detergents. 2,583,492, Jan. 22.

Pollok, Frederick J., Troon, Scotland, assignor to Imperial Chemical Industries Limited. Production of washing powder from a normally oily liquid synthetic soapless detergent. 2,603,605, July 15.

Pollopas Patents Limited, assignee: *See*—
Montrose-Oster, Louis E. W.

Polly, Jim: *See*—
De Ment, Jack, Lamont, and Polly.

Polly, Orville L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Modified resins from polystyrenes and esters of saturated aliphatic dicarboxylic acids and unsaturated alcohols. 2,609,354, Sept. 2.

Polly, Orville L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Modified drying oils. 2,610,161, Sept. 9.

Polly, Orville L., and O. D. Cunningham, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Production of high molecular weight carboxylic acids and their derivatives. 2,606,890, Aug. 12.

Polo, Dagoberto M., and A. G. Alarcon, Mexico City, Mexico. Preparation of lysozyme from ass milk. 2,590,121, Mar. 25.

Polomski, John B., and G. Karos, Detroit, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Positive clutch for power transmission. 2,613,781, Oct. 14.

Polselli, Luigi and S., Philadelphia, Pa. Pin pulling machine. 2,604,300, July 22.

Polselli, Salvatore: *See*—
Polselli, Luigi and S.

Polsen, Blanche H., assignee: *See*—
Polsen, Samuel D., and Nelson.

Polsen, Samuel D.: *See*—
Nelson, Norman H., and Polsen.

Polsen, Samuel D., and S. H. Nelson, Fairfield, assignors of one-half to V. M. Nelson, Bridgeport, and one-quarter to B. H. Polsen and one-quarter to M. P. Nelson, Fairfield, Conn. Coin selector. 2,580,590, Jan. 1.

Polson, Miles O., Flagstaff, Ariz. Combination bottle uncapper, recapper, and ice-breaker. 2,622,781, Dec. 23.

Poltersdorf, Otto: *See*—
Koberlein, Louis F., and Poltersdorf.

Poltrock, Edward W., Chicago, Ill. Wrist watch winding device. 2,588,042, Mar. 4.

Polydoroff, Wladimir J., Kensington, Md. Ferromagnetic antenna. 2,624,004, Dec. 30.

Polydoroff, Wladimir J., Washington, D. C., assignor to General Aniline & Film Corporation, New York, N. Y. Heat resistant magnetic cores and making. 2,601,212, June 17.

Polydoroff, Wladimir J., Kensington, Md., and J. E. Johanson, Boonton, N. J. High-frequency apparatus. 2,611,123, Sept. 16.

Polymer Corporation, The, assignee: *See*—
Montross, Eugene E.
Stott, Louis L., and Hervey.

Polymerisable Products Limited, assignee: *See*—
Weizmann, Charles.

Polymeros, George N., assignor of one-half to J. Lolpersbeek, St. Paul, Minn. Tobacco pipe receptor. 2,612,171, Sept. 30.

Polynice, Paul, Southampton, N. Y. Razor and blade dispenser therefor. 2,587,380, Feb. 26.

Polytechnic Institute of Brooklyn, assignee: *See*—
Carlin, Herbert J.
Ebert, John E.
Smith, Gilbert B. L., and Leeds.
Weber, Ernst, and Griemsmann.
Weber, Ernst, and Johnson.

Polytechnic Research and Development Company Incorporated, assignee: *See*—
Goodhue, William M.

Polzer, Leopold A., assignee: *See*—
Blumauer, Ernst.

Pomes, Helen, assignee: *See*—
Facio, Robert H., Sr.

Pommer, Horst: *See*—
Inhoffen, Hans H., and Pommer.

Ponath, Elwood E.: *See*—
Adler, Leon, Reinhardt, and Ponath.

Pond, Chester C., Melrose Park, assignor to The International Electronics Company, Philadelphia, Pa. Driving and scanning mechanism for magnetic tape handling equipment. 2,620,404, Dec. 2.

Pond, Kenneth H., Longmeadow, Mass. Operating mechanism. 2,606,534, Aug. 12.

Pond, Leander N., and N. M. Wisner, assignors to Corning Glass Works, Corning, N. Y. Glass severing apparatus. 2,597,373, May 20.

Pond, Robert B., Attleboro, Mass. Fishing plug. 2,611,207, Sept. 23.

Pond, Robert B., Attleboro, Mass. Fishing lure. 2,611,209, Sept. 23.

Pond, Wallace A., River Grove, Ill., assignor to Radio Corporation of America. High-voltage supply. 2,588,659, Mar. 11.

Ponder, Speers G., U. S. Army, H. C. Fischer, Baltimore, Md., and L. Edelson, Mamaroneck, N. Y. Chemical bomb. 2,589,129, Mar. 11.

Ponequin, Louie H., Honolulu, Territory of Hawaii. Hub structure. 2,609,243, Sept. 2.

Ponnequin, Louie H., Honolulu, Hawaii. Lift truck fork. 2,613,830, Oct. 14.

Pons, John A., Morganton, N. C., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Auxiliary feeding means for hosiery seamers. 2,618,230, Nov. 18.

Ponstingl, John C.: *See*—
Pierce, Lawrence, and Ponstingl.

Ponstingl, John C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,611,050, Sept. 16.

Pont, Henri M., The Hague, Netherlands. Roof. 2,592,465, Apr. 8.

Pontiere, Stanley M., Ocean City, N. J. Electrically heated floor cover. 2,619,580, Nov. 25.

Pontin, Fernando A., Yakima, Wash. Key case. 2,611,260, Sept. 23.

Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Gear pump. 2,601,003, June 17.

Pontius, John C., Williamsville, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Interference-suppression network. 2,621,252, Dec. 9.

Pontius, Joseph F., Alhambra, Calif. Hanger. 2,605,906, Aug. 5.

Pool, Stuart D., Moline, Ill., assignor to International Harvester Company. Tractor propelled agricultural spraying apparatus. 2,593,696, Apr. 22.

Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the delivering of liquids under pressure. 2,584,226, Feb. 5.

Pool, William, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Control means. 2,593,602, Apr. 22.

Poole, Arthur B., Harwinton, Conn. Electric alarm clock. 2,587,890, Mar. 4.

Poole, Arthur J.: *See*—
Shellenberger, Rolfe, and Poole.

Poole, David M., Oak Ridge, Tenn., assignor to United Aircraft Corporation, East Hartford, Conn. Gas turbine power plant having fuel cut-off valve actuated by an overspeed governor. 2,609,656, Sept. 9.

Poole, David M., Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn. Starting control system for power plants. 2,602,287, July 8.

Poole, Harmon A., Jr., Litchfield, Conn., assignor to Bendix Aviation Corporation, Teterboro, N. J. Apparatus for measuring phase difference of periodic waves 2,599,861, June 10.

Poole, Louis H.: *See*—
Fisher, Vernard P., and Poole.

Poole, William J.: *See*—
Hackman, Frank W., and Poole.

Poole, Winfred O., Thomasville, assignor of fifty per cent to W. H. Scales, High Point, N. C. Bag filler having an adjustably mounted pivot for bag engaging plate members. 2,584,497, Feb. 5.

Pooler, Louis G., U. S. Navy, Alexandria, Va., and M. F. Schoeffel, U. S. Navy, Washington, D. C. Bombing method and apparatus. 2,600,428, June 17.

Pooley, Frederick W., Philadelphia, Pa. Garment hanger. 2,605,031, July 29.

Poor & Company, assignee: *See*—
Chester, Allan E.
Chester, Allan E., and Ricketts.
Radeke, Walter H.

Popcorn Products Corporation, assignee: *See*—
Martin, Gayle.

Pope, Arthur W., Jr., assignor to Waukesha Motor Company, Waukesha, Wis. Evaporative cooling system for internal-combustion engines. 2,586,562, Feb. 19.

Pope, Douglas H., Boondall, near Brisbane, Queensland, Australia. Sheet feeding apparatus. 2,601,984, July 1.

Pope, Douglas H., Boondall, Queensland, assignor of one-half to M. H. H. Wills, Brisbane, Queensland, Australia. Machine for wrapping and labeling newspapers, magazines, and the like. 2,620,609, Dec. 9.

Pope, Francis, Bayside, N. Y. Selective turbopropeller jet power plant for aircraft. 2,587,649, Mar. 4.

Pope, Frank B.: *See*—
Bralley, James A., and Pope.

Pope, James K., Pleasant Ridge, Mich. Repeating toy gun. 2,601,555, June 24.

Pope, Paul M., Greenwich, Conn., assignor to A. Kimball Company, New York, N. Y. Lock seal suitable for manufacture in plastics. 2,610,879, Sept. 16.

Pope, Richard R.: *See*—
Pruitt, Willis, and Pope.

Pope, Richard R., Sylacauga, Ala., assignor to Avondale Mills. Condenser for long draft spinning. 2,591,866, Apr. 8.

Pope, Winslow B., Detroit, Mich. Illuminated greeting card. 2,607,145, Aug. 19.

Popell Bros., Inc., assignee: *See*—
Popell, Samuel J.

Popell, Samuel J., Chicago, Ill. Food slicer. 2,584,737, Feb. 5.

Popell, Samuel J., assignor to Popell Bros., Inc., Chicago, Ill. Doughnut maker. 2,599,012, June 3.

Popham, Arthur, Jr., assignee: *See*—
Herman, Rudolph H.

Popkin, Alexander: *See*—
Lippincott, Samuel B., and Popkin.

Popkin, Alexander H.: *See*—
Cyphers, Elmer B., and Popkin.
Smith, Paul V., Jr., Mikeska, and Popkin.
Smith, Paul V., Jr., and Popkin.

Popkin, Alexander H., New York, N. Y., assignor to Standard Oil Development Company. New copolymer compositions. 2,604,453, July 22.

Popoff, Vladimir, San Francisco, Calif. Dispensing cap having cam actuated closure. 2,591,465, Apr. 1.

Popovich, John E., Oakland, Calif. Flashlight fan. 2,595,406, May 6.

Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Adapter for universal lever switches. 2,608,105, Aug. 26.

Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Socket housing. 2,608,632, Aug. 26.

Popper, Charles: *See*—
Wilson, Harland D., and Popper.

Poppolardo, Frank, assignee: *See*—
Gutekunst, Carl.

Porambo, Francis E., Cliffwood Beach, N. J. Portable hot food cabinet. 2,583,118, Jan. 22.

Porché, Julien H., Paris, France. Combination lock. 2,621,508, Dec. 16.

Porges, Frederick B., assignor to Flexibox Limited, Manchester, England. Mechanical seal. 2,606,045, Aug. 5.

Porocel Corporation, assignee: *See*—
Heinenman, Heinz.

Porolith, Inc., assignee: *See*—
Dove, Leonard P.

Porsche Konstruktionen Ges. m. b. H., assignee: *See*—
Rabe, Karl.

Port, Eugene B.: *See*—
Robertson, Harold E., and Port.

Port, Frederick J.: *See*—
Nelson, James A., and Port.

Port, William S., E. F. Jordan, Jr., and D. Swern, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Separation of vinyl esters of long chain fatty acids from the corresponding free fatty acids. 2,586,860, Feb. 26.

Portable Air Cooler and Heating, Inc., assignee: *See*—
Long, John E.

Portage Machine Co., The, assignee: *See*—
Patterson, Earl M., and Behne.

Portail, Fernand, Paris, assignor to Compagnie Industrielle des Piles Electriques C. I. P. E. L., Neuilly-sur-Seine, France. Primary battery and consumer. 2,594,988, Apr. 29.

Portanova, Mario J., Brooklyn, N. Y., and A. Rosinger, Belleville, assignors to Natural Products Refining Co., Jersey City, N. J. Electrolytic preparation of vanadium oxide. 2,606,148, Aug. 5.

Porte, René, assignor to Societe Pour L'Union des Transports Ferroviaires et Routiers, Paris, France. Coupling for connecting trailers to power vehicles. 2,599,282, June 3.

Portello, Theodore J., assignee: *See*—
Tuttle, Mary C.

Porter, Allan W. H.: *See*—
Peel, Robert, Porter, and Morrison.

Porter, Burl W., Wilmington, Calif. Match-holding lighter. 2,601,455, June 24.

Porter, Charles A., and G. W. Rollin, assignors to The Pure Oil Company, Chicago, Ill. Vaporizing sulfur. 2,582,794, Jan. 15.

Porter, Charles A., Chicago, and M. M. Marisic, Northbrook, assignors to The Pure Oil Company, Chicago, Ill. Sulfur recovery apparatus. 2,617,717, Nov. 11.

Porter, Charles B. A., Preston, Yeovil, assignor to H. S. Hallewell, Hayes, Middlesex, England. Forming means for profile grinding wheels. 2,591,964, Apr. 8.

Porter, Charles B. A., Preston, Yeovil, assignor to H. S. Hallewell, Hayes, Middlesex, England. Forming means for profile grinding wheels. 2,601,456, June 24.

Porter, David J.: *See*—
Pianfetti, John A., and Porter.

Porter, Donald C., Tacoma, Wash. Pneumatically actuated veneer clipper. 2,598,721, June 3.

Porter, Donald C., Tacoma, Wash. Automatic electronic control mechanism. 2,617,483, Nov. 11.

Porter, Firmin D.: *See*—
Blackmon, Truett M., and Porter.

Porter, Frederick W. B.: *See*—
Adey, Stanworth W., and Porter.

Porter, H. K., Inc., assignee: *See*—
Ferguson, William H. and H. C., and Geddes.
Geddes, John W., and Ferguson.
Geddes, John W., and Porter.
Porter, Thomas M.
Seinfeld, Ludwik.

Porter, Ian S., Barnsley, England. Electric stop motion for looms. 2,594,209, Apr. 22.

Porter, Ian S., Barnsley, England. Mounting of the picking shafts of looms for weaving. 2,622,628, Dec. 23.

Porter, James T., La Mesa, Calif. Sprinkling device. 2,582,158, Jan. 8.

Porter, Josephine A., Baltimore, Md. Illuminated sign. 2,604,711, July 29.

Porter, Otho J., Dalhart, Tex. Waterproof pocket and container. 2,606,587, Aug. 12.

Porter, Philip W., assignor to D. & H. Scovil, Inc., Higganum, Conn. Article for polishing. 2,611,689, Sept. 23.

Porter, Sydney, assignor to Elastine Process & Development Ltd., Toronto, Ontario, Canada. Forming hollow articles. 2,588,571, Mar. 11.

Porter, Thomas M., Brookline, assignor to H. K. Porter, Inc., Somerville, Mass. Tool for severing the flanges of channels. 2,589,727, Mar. 18.

Porter, Thomas M., Brookline, assignor to H. K. Porter, Inc., Somerville, Mass. Coupling for jack attachments and extensions. 2,593,342, Apr. 15.

Porter, Tyler C.: *See*—
Geddes, John W., and Porter.

Porter, Wade, Jr., Edgewater, Colo. Bottle cap remover. 2,593,053, Apr. 15.

Porter, Wellington W., Junius, N. Y. Harvester for pea vines and the like. 2,614,379, Oct. 21.
Portland Woolen Mills, Inc., assignee: *See*— Nelson, Laurence T.
Portogallo, Henry S., Los Angeles, Calif. Action producing means for musical instruments. 2,596,866, May 13.
Posada, Eduardo: *See*— Legorreta, Luis G., Posada, and Camarena.
Poschadel, Leonard R., Milwaukee, Wis. Gas burner with secondary air supply. 2,588,759, Mar. 11.
Posey, Frank E., Lancaster, Calif. Rodent trap and exterminator. 2,584,498, Feb. 5.
Posey, Frank E., Lancaster, Calif. Combination bed and shelter. 2,607,047, Aug. 19.
Posey, Raymond, United States Marine Corps. Portable mortar. 2,597,031, May 20.
Posey, William T.: *See*— Fehr, Edith B., and Posey.
Posner, Bernard, Baltimore, Md. Toy milch cow. 2,619,257, Nov. 25.
Pospiszel, Joseph T., North Broadalbin, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Shuttle. 2,604,125, July 22.
Pospiszel, Joseph T., North Broadalbin, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Shuttle. 2,616,455, Nov. 4.
Posselt, Ejnar, Pelham Manor, assignor to Lone Star Cement Corporation, New York, N. Y. Clinker cooling. 2,609,149, Sept. 2.
Posselt, Ejnar, Pelham, N. Y., assignor to Kensington Steel Company, Chicago, Ill. Liner construction for grinding mills. 2,611,546, Sept. 23.
Possley, Ray C., Mendota, Ill. Automatic low water gas shutoff. 2,611,273, Sept. 23.
Post, Anne C., executrix: *See*— Clifford, Walter B.
Post, Arthur K., assignor to The Bagley & Sewall Company, Watertown, N. Y. Web winder reel. 2,613,880, Oct. 14.
Post, Donald B., Collingswood, N. J., assignor to Radio Corporation of America. Multistage variable-saturation tuning system and apparatus. 2,581,202, Jan. 1.
Post, Ernest R.: *See*— Custis, James B. G., and Post.
Post, Ernest R., Washington, D. C. Needle holding means for hypodermic needle honing devices or the like. 2,588,160, Mar. 4.
Post, James D., Bethel, assignor to Republic Foil and Metal Mills, Incorporated, Danbury, Conn. Packet for spools. 2,615,564, Oct. 28.
Post Machinery Company, assignee: *See*— Fergnani, Walter P.
Post, Ralph R., Waterbury Center, Vt. License tag holder. 2,591,196, Apr. 1.
Post, Richard F., Alexandria, Va. Mixing circuit. 2,602,889, July 8.
Postel, Edward, Denver, Colo. Removable jewel earring. 2,600,319, June 10.
Postel, Kenneth L., assignor to Vickers Incorporated, Detroit, Mich. Swivel pipe joint. 2,586,991, Feb. 26.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency furnace. 2,589,027, Mar. 11.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Directional antenna system. 2,596,595, May 13.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frame antenna. 2,617,033, Nov. 4.
Postlewaite, William R.: *See*— Ludwig, Milton, and Postlewaite.
Postlewaite, William R., Menlo Park, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Turbodrill thrust balancing apparatus. 2,592,519, Apr. 8.
Postlewaite, William R., Menlo Park, assignor, by mesne assignments, of one-half to California Research Corporation, San Francisco, Calif., and one-half to A. O. Smith Corporation, Milwaukee, Wis. Turbine-impact drill. 2,613,917, Oct. 14.
Postma, Frank, Glen Rock, N. J. Lubrication of engine bearings. 2,586,379, Feb. 19.
Potash Company of America, assignee: *See*— Weinig, Arthur J. Anderson, Leslie D.
Potchen, Joseph A., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Window panel construction. 2,609,896, Sept. 9.
Potchen, Joseph A., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Apparatus for fabrication of plywood tubing. 2,616,463, Nov. 4.
Potekin, Gus G., assignor to Richberry Electric Co., Chicago, Ill. Electric hand lantern of the horizontally elongated type. 2,611,072, Sept. 16.
Pothier, Armand C., Woonsocket, R. I. Carburetor. 2,594,344, Apr. 29.
Potishman, Leo, Fort Worth, Tex. Production of adjunct to feedstuffs. 2,611,702, Sept. 23.
Potstada, George, deceased, by M. Potstada, administratrix, Oakland, Calif. Pruning shears. 2,593,603, Apr. 22.
Potstada, Magdalena, administratrix: *See*— Potstada, George.
Pottberg, Otto: *See*— Kelly, William L., and Pottberg.
Potteiger, Roy V., Rochester, N. Y. Making mechanical negatives for photocopies. 2,588,572, Mar. 11.
Pottenger, Francis M., Jr., Monrovia, Calif. Refrigeration system with refrigerant cleaning means. 2,618,132, Nov. 18.
Potter, Cecil A.: *See*— Duesberg, Hubert G., and Potter.
Potter, Clarence J., Fullerton, assignor to Triangle Grain Company, Bellflower, Calif. Motor-operated material handling equipment. 2,585,169, Feb. 12.
Potter, Donald A.: *See*— Ryder, Frank A., and Potter.
Potter, Elbert L., Davenport, Iowa, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Steering mechanism. 2,582,455, Jan. 15.
Potter, Everett F., Schenectady, N. Y., assignor to General Electric Company. Arc welding. 2,599,281, June 3.
Potter, Frank M., and R. M. Hartman, Rome, assignors to General Cable Corporation, New York, N. Y. Universal wire die machine. 2,616,410, Nov. 4.
Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,584,227, Feb. 5.
Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,620,241, Dec. 2.
Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier. 2,606,314, Aug. 5.
Potter, John T., Sandspoint, N. Y. Three-dimensional selector and memory device. 2,620,389, Dec. 2.
Potter, Loren D., Enderlin, N. Dak., and B. P. Johnson, Charlottesville, Va., assignors to Wingfoot Corporation, Akron, Ohio. Resin bonded cord. 2,594,210, Apr. 22.
Potter, Louis E., Merchantville, N. J., assignor to Radio Corporation of America. Adjacent channel rejection by magnetostriction. 2,599,068, June 3.
Potter, Manley C., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-power electric locomotive. 2,600,320, June 10.
Potter, Marcus L., Park Ridge, Ill., assignor to Gordon Specialties Company. Rotary antenna. 2,583,747, Jan. 29.
Potter, Ralph K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Permutation code group selector. 2,589,130, Mar. 11.
Potter, Ralph K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording system. 2,595,701, May 6.
Potters, Florence R., assignee: *See*— Potters, Rudolf H.
Potters, Jessie H., assignee: *See*— Potters, Rudolf H.
Potters, Paul E., assignee: *See*— Potters, Rudolf H.
Potters, Robert, assignee: *See*— Potters, Rudolf H.
Potters, Rudolf H., Jamaica, N. Y., assignor, by mesne assignments, of twenty per cent to R. H. Potters, twenty per cent to J. H. Potters, Brielle, N. J., twenty-five per cent to P. E. Potters, twenty-five per cent to F. R. Potters, West Hampton Beach, and ten per cent to R. Potters, Manhasset, N. Y. Method and apparatus for producing small diameter glass beads. 2,619,776, Dec. 2.
Potthoff, William C., Cuyahoga Falls, Ohio, assignor to Erie2 Manufacturing Co., Erie, Pa. Magnetic pulley. 2,587,891, Mar. 4.
Pottle, Herbert W.: *See*— Johnson, Leonard W., and Pottle.
Pottle, Ralph K., assignor to American Can Company, New York, N. Y. Sampling mechanism for can top feeding apparatus. 2,601,785, July 1.
Pottle, Ralph K., assignor to American Can Company, New York, N. Y. Bag opening machine with adjustably mounted bracket supported arms. 2,608,332, Aug. 26.
Pottmeyer, Edward W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Reversing valve and control means therefor. 2,621,049, Dec. 9.
Pottorf, Newell, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine seismometer spread. 2,610,240, Sept. 9.
Potts, Ernest L., assignor, by mesne assignments, to C. C. Brown, Houston, Tex. Differential pressure operated valve mechanism. 2,621,675, Dec. 16.
Potts, John T.: *See*— Unti, Frank P., Potts, and Ensign.
Potts, Lawrence D., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Shaft seal. 2,590,036, Mar. 18.
Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Scanning system and apparatus. 2,586,711, Feb. 19.
Potts, Louis M., deceased, Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Combined telephone and telegraph system. 2,589,131, Mar. 11.
Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Ticket sorting apparatus. 2,613,809, Oct. 14.

Potts, Martha W. C., executrix: *See*— Potts, Louis M.
Potts, Roy C., Takoma Park, D. C. Box handle and fastening means. 2,612,308, Sept. 30.
Potts, Roy C., Takoma Park, Md. Combination handle and clip for containers. 2,612,309, Sept. 30.
Potts, Samuel L., Detroit, Mich. Sliding hinge casement window structure. 2,596,433, May 13.
Potvin, Claud L., Minneapolis, Minn. Corn and callus trimmer. 2,612,683, Oct. 7.
Pötzl, Hermann: *See*— Komers, Max, and Pötzl.
Poucher, Rollinson W., assignee: *See*— Dressel, Fred G.
Pouell, Harry E., Logansport, Ind. Vibrator. 2,611,015, Sept. 16.
Pouget, Louis M., Les Garennes near Vallieres, France. Apparatus for the preparation of steeped beverages. 2,610,571, Sept. 16.
Poulit, Robert, Lyon, assignor to Societe Industrielle Generale De Mecanique Appliquee (S. I. G. M. A.) Villeurbanne (Rhone), France. Jet propulsion device for airscrews or rotary wings. 2,590,457, Mar. 25.
Poulit, Robert J., Lyon, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venisseux (Rhone), France. Jet engine having a plurality of turbo-compressors operable in parallel or in series. 2,580,591, Jan. 1.
Poullart, Willy, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Automatic control of final selectors. 2,583,014, Jan. 22.
Poullot, Pierre, Jacksonville, Fla. Ventilator for cold storage chambers. 2,588,289, Mar. 4.
Poulos, Harry: *See*— Edmondson, Jay N., Poulos and James.
Poulsen, A. E., & Company, assignee: *See*— Poulsen, Alfred E.
Poulsen, Alfred E., assignor to A. E. Poulsen & Company, Los Angeles, Calif. Machine for processing materials. 2,591,721, Apr. 8.
Poulsen, Poul M., Copenhagen, Denmark. Method and apparatus for making candles. 2,612,657, Oct. 7.
Poulson, Frank E., assignor to Certified Burglar Alarm Systems, Incorporated, Chicago, Ill. Lock having a flexible bolt. 2,608,084, Aug. 26.
Poulter, Thomas C., La Grange, Ill., assignor to Institute of Inventive Research, San Antonio, Tex. Apparatus for seismic exploration. 2,615,521, Oct. 28.
Poulter, Thomas C., Palo Alto, Calif., assignor to Institute of Inventive Research, San Antonio, Tex. Seismic exploration employing elevated charges. 2,615,522, Oct. 28.
Poulter, Thomas C., Palo Alto, Calif., assignor to Institute of Inventive Research, San Antonio, Tex. Seismic exploration. 2,615,523, Oct. 28.
Poulter, Thomas C., Palo Alto, Calif., assignor to Institute of Inventive Research, San Antonio, Tex. Seismic exploration employing elevated charges. 2,615,524, Oct. 28.
Poultney, Richard F., Pomeroy, Wash. Fountain spigot. 2,586,083, Feb. 19.
Poumay, Adolphe M. F., deceased, Jambes-Namur, Belgium; Adolphe-Maurice-Charles Poumay, administrator, assignor to Adolphe-Maurice-Charles Poumay, Wanze, Belgium. Cupola for foundries and steelworks. 2,621,915, Dec. 16.
Poumay, Adolphe-Maurice-Charles, administrator, assignee: *See*— Poumay, Adolphe M. F.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for broad-band radio transmission. 2,580,592, Jan. 1.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for broad-band radio transmission. 2,582,604, Jan. 15.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Microwave frequency modulated transmitter. 2,589,861, Mar. 18.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Ultrahigh frequency mixer. 2,605,399, July 29.
Pounds, Richard T., Westport, Conn. Apparatus for dynamically determining weight and for assorting articles. 2,623,636, Dec. 30.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,584,812, Feb. 5.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener for securing molding trims. 2,584,813, Feb. 5.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Quickly operable fastener. 2,589,028, Mar. 11.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener having clamping head. 2,594,211, Apr. 22.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,596,596, May 13.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,596,940, May 13.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Panel fastening device. 2,601,213, June 17.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Quick fastening device. 2,608,735, Sept. 2.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock retainer. 2,610,500, Sept. 16.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,612,245, Sept. 30.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Molding fastener. 2,618,824, Nov. 25.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Molding clip. 2,618,998, Nov. 25.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works Chicago, Ill. Coupled nut and lock washer. 2,619,145, Nov. 25.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Nonrotatively coupled nut and lock washer. 2,619,146, Nov. 25.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Quick fastening device. 2,620,538, Dec. 9.
Poupitch, Ouglјesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastener device. 2,620,539, Dec. 9.
Pourciau, Louis L.: *See*— Crane, Robert, Jr., and Pourciau. Hodder, Wayne K., Pourciau, and Lee. Lee, Richard W., and Pourciau.
Poust, Milton L., Riverside, assignor to Sears, Roebuck and Co., Chicago, Ill. Protective cover for frangible disks. 2,598,192, May 27.
Poutinen, Paul T., Manhasset, N. Y. Quick disconnect key holder. 2,599,660, June 10.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slide fastener. 2,582,456, Jan. 15.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Making die-cast sliders. 2,584,916, Feb. 5.
Poux, Noel J., Meadville, Pa. Combination ice and hot pack. 2,602,302, July 8.
Poux, Noel J., Meadville, Pa. Hot and cold pack. 2,606,005, Aug. 5.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,618,829, Nov. 25.
Powder, Paul F.: *See*— Graham, Harold J., and Powder.
Powell, Burnet J., North Chicago, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever structure. 2,621,537, Dec. 16.
Powell, Charles K., assignor to Chestnut Farms-Chevy Chase Dairy Company, Washington, D. C. Egg grading machine comprising pneumatic lifting means supported by scale balance arms. 2,606,658, Aug. 12.
Powell, Charles P.: *See*— Gannon, John J., and Powell.
Powell, David R.: *See*— Hogg, William J., and Powell.
Powell, Edward D., Middleboro, Mass. Level. 2,584,917, Feb. 5.
Powell, Edward E., Conimicut, R. I. Fixture for machine tools. 2,592,821, Apr. 15.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for the manufacture of fine fibers. 2,585,496, Feb. 12.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for the manufacture of mineral wool. 2,594,799, Apr. 29.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for drawing fine fibers. 2,605,499, Aug. 5.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for forming fibers. 2,605,500, Aug. 5.
Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for forming fine fibers. 2,605,503, Aug. 5.
Powell, Elno M.: *See*— Patterson, Ward S., and Powell.
Powell, George M., 3rd, South Charleston, and T. E. Mullen, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Dispersions of vinyl chloride resins. 2,582,354, Jan. 15.
Powell, George W.: *See*— Huvett, Robert B., and Powell.
Powell, Gerry, Bergenfield, N. J., assignor to B. B. Workman, New York, N. Y. Package or container. 2,620,962, Dec. 9.
Powell, John V., Price, Utah. Truck auxiliary brake. 2,612,241, Sept. 30.
Powell, La Von I., Denver, Colo. Child's walking and riding vehicle. 2,597,748, May 20.
Powell, Leonard A., Hyde Park, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cowl fastener. 2,610,378, Sept. 16.
Powell, Paul R.: *See*— Barber, Robert R., Powell, and Raetsch.
Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming retractile cords. 2,583,119, Jan. 22.

Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch for reels. 2,622,821, Dec. 23.

Powell, Roger F., Gwelo, Southern Rhodesia, and H. M. Stanley, Tadworth, England. Frothing agents for use in froth flotation processes. 2,591,289, Apr. 1.

Powell, Sammy R., Brush Prairie, Wash., assignor of one-half to R. L. Nelson. Bit for drilling noncircular holes. 2,586,084, Feb. 19.

Powell, William, Company, The, assignee: *See*—
Smith, Russell G.

Powell, William W., Fort Worth, Tex. Military campaign game board and pieces. 2,610,060, Sept. 9.

Powell, Wilson M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic contouring system. 2,594,989, Apr. 29.

Powell, Winfred T.: *See*—
Kessler, Frank, and Powell.

Powellek, Ervin A., St. Paul, Minn. Detachably fastening furniture elements. 2,605,820, Aug. 5.

Power Brake Equipment Co., assignee: *See*—
Williams, Norman C.

Power Brake Parts Manufacturing Company, assignee: *See*—
Stella, Frank M.

Power, Donnell W., New Providence, N. J., assignor to Radio Corporation of America. Ultrahigh-frequency triode. 2,603,758, July 15.

Power, Donnell W., New Providence, N. J., assignor to Radio Corporation of America. Making ultrahigh frequency electron discharge device. 2,621,996, Dec. 16.

Power Equipment Company, assignee: *See*—
Bixby, William H.

Power, Ernest B.: *See*—
Nelson, Evan H., and Power.

Power-Gas Corporation Limited, The, assignee: *See*—
Grisenthwaite, Arthur T., and Cruse.

Power Jets (Research and Development) Ltd., assignee: *See*—
Davidson, Ivor M.
Feilden, Geoffrey B. R.
Hawthorne, William R.
Howell, Alun R.
Islip, Leonard, and Perry.
Kestell, Thomas A.
McLeod, Roderick C.
Powter, Geoffrey J., and Lloyd.
Voysey, Reginald G.
Weir, Robert H.

Power Jets (Research & Development) Limited, assignee: *See*—
Feilden, Geoffrey B. R.
Feilden, Geoffrey B. R., Simons, and Holl.
Johnson, William E. P.
Joyce, John R.
Martin, Peter.
Nathan, Matthew L.
Walker, Daniel N.
Walker, Daniel N., and Ingham.
Whittle, Frank.

Power Jets (Research and Development) Limited, assignee: *See*—
Feilden, Geoffrey B. R.
Hawthorne, William R.
Johnstone Alexander P.
Kolb, Paul.
McLeod, Roderick C., Feilden, and Hodge.
Sharp, Joseph G., and Ingham.

Powernail Company, assignee: *See*—
Anstett, Edgar P.

Powers & Company, assignee: *See*—
Powers, Frank M.

Powers, Donald M., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device of the cavity resonator type. 2,611,110, Sept. 16.

Powers, Edison, East Lampeter Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Closure lining machine. 2,608,177, Aug. 26.

Powers, Frank G.: *See*—
Ripley, Thomas M., Ellis, and Powers.

Powers, Frank M., River Forest, Ill. Porch shade. 2,582,276, Jan. 15.

Powers, Frank M, River Forest, Ill., assignor to Powers & Company. Awning. 2,620,025, Dec. 2.

Powers, Henry L., and H. A. Roehling, assignors to Armstrong Cork Company, Lancaster, Pa. Manufacture of linoleum cement. 2,594,345, Apr. 29.

Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus with time delay switch. 2,615,636, Oct. 28.

Powers, John M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Purification of crystalline substances. 2,614,134, Oct. 14.

Powers, John S., Palatine, and W. A. Lotz, assignors to De Vry Corporation, Chicago, Ill. Light transmission mechanism. 2,617,892, Nov. 11.

Powers Regulator Company, The, assignee: *See*—
Fischer, Carl W.
Modes, Edward E.
Thorburn, David H., and Panza.

Powers, Rufus L., San Angelo, Tex. Hemorrhoidal Clamp. 2,620,800, Dec. 9.

Powers-Samas Accounting Machines Limited, assignee: *See*—
Brougham, Leslie E., and Perrin.
Haines, Sidney R.
Holden, Norman G.
Thomas, Arthur.
Thomas, Arthur, and Holden.

Powers, Walter H., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Spark arrester mechanism. 2,600,262, June 10.

Powers, Whitney S., Jr., assignor to Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Bottle spinner. 2,581,879, Jan. 8.

Powlison, Neil C., U. S. Army, Council Bluffs, Iowa. Person alerting device. 2,582,277, Jan. 15.

Pownall, George L., London, Ohio. Apparatus and method of rapid production and harvesting of ice. 2,598,429, May 27.

Pownall, George L., London, Ohio. Apparatus and method of rapid production and harvesting of ice. 2,598,430, May 27.

Pownall, Henry B., assignor to Freezing Equipment Sales, Inc., York, Pa. Automatic lubrication means for plural stage compressors. 2,606,430, Aug. 12.

Powter, Geoffrey J., London, and P. Lloyd, Farnham, assignors to Power Jets (Research and Development) Limited, London, England. Combustion apparatus having valve controlled passages for preheating the fuel-air mixture. 2,621,477, Dec. 16.

Poyner, Mabel L., assignee: *See*—
Hatfield, Cleburne B.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Apparatus for finishing gears. 2,581,700, Jan. 8.

Praeg, Walter S., assignor to National Broach and Machine Company, Detroit, Mich. Finishing gears. 2,581,701, Jan. 8.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing machine. 2,585,271, Feb. 12.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Automatic gear finishing machine. 2,585,272, Feb. 12.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Machine for finishing gears with diagonal traverse. 2,598,431, May 27.

Praeg, Walter S., Detroit, Mich., assignor, by mesne assignments, to The Fellows Gear Shaper Company, Springfield, Vt. Gear shaper. 2,604,016, July 22.

Praeg, Walter S., assignor to National Broach and Machine Company, Detroit, Mich. Finishing gears. 2,613,486, Oct. 14.

Praeger, Emil H., Brooklyn, assignor to Ibec Housing Corporation, New York, N. Y. Apparatus for molding concrete walls. 2,598,830, June 3.

Prance, Stanley R.: *See*—
Reindl, Harold J., and Prance.

Prasky, Joseph A.: *See*—
Schwarm, Otto, and Prasky.

Prasser, Alois: *See*—
Russell, John R. K., and Prasser.

Prather, Edwin E.: *See*—
Long, Richard H., and Prather.

Prather, Edwin E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,601,626, June 24.

Prather, Edwin E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,605,872, Aug. 5.

Prather, Edwin E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,605,873, Aug. 5.

Prather, Griffin S., New York, N. Y. Continuous pressure cooker. 2,585,170, Feb. 12.

Prather, Graham P., Teaneck, N. J., assignor to J. A. Grier, New York, N. Y. Gas stove with burner and combustion control assembly. 2,617,404, Nov. 11.

Prather, Thomas F., Wasco, Calif. Dental extracting forceps with interchangeable beaks. 2,600,803, June 17.

Pratt, Arthur J., assignor to A & J Machine Engineering Co., Inc., Long Beach, Calif. Memo pad attachment for telephones. 2,592,066, Apr. 8.

Pratt, Burt C.: *See*—
Pinkney, Paul S., Pratt, and Wayne.

Pratt, Edmond O., Los Angeles, Calif. Pneumatically operated irrigating apparatus. 2,589,728, Mar. 18.

Pratt, Eliot D., assignee: *See*—
Chiego, Bernard.

Pratt, Harry G., Syracuse, N. Y., assignor to General Electric Company. Automatic variable coupler. 2,589,029, Mar. 11.

Pratt, Harvey S., Sallx, Iowa. Automobile wheel lock. 2,607,631, Aug. 19.

Pratt, Henry C., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Bow frame chain saw. 2,618,298, Nov. 18.

Pratt, Henry, Company, assignee: *See*—
Fantz, Fred C.
Smith, Stuart B.

Pratt, James A.: *See*—
Mochel, Norman L., and Pratt.

Pratt, John M., Leicester, assignor to Follsaim-Wycliffe Foundries, Limited, Lutterworth, England. Supporting means for girders or the like. 2,608,370, Aug. 26.

Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Reel for supporting wire coils. 2,583,667, Jan. 29.

Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for preparing shoe uppers for lasting. 2,605,838, Aug. 5.

Pratt, John W., and E. H. Simms, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for preparing uppers for lasting. 2,607,419, Aug. 19.

Pratt, Marion L., assignor to The Marion Chair Company, Inc., Topeka, Kans. Hospital chair. 2,609,862, Sept. 9.

Pratt, Oliver E.: *See*—
Collins, Ronald B., Fry, and Pratt.

Pratt, Robert J., assignor of fifty per cent to J. Cocke, Fort Worth, Tex. Cooking vessel. 2,590,270, Mar. 25.

Pratt, Ryder, Kirkwood, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Control mechanism. 2,586,085, Feb. 19.

Pratt, Thomas W., Rutherford, assignor to The M. W. Kellogg Co., Jersey City, N. J. Refining of petrolatum. 2,616,830, Nov. 4.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Microfilm apparatus. 2,606,478, Aug. 12.

Pratt, William J., East Paterson, N. J., H. F. Selbert and R. C. Stribley, Mason, Mich., assignors to Wyeth Incorporated, Philadelphia, Pa. Recovery of lactose from mother liquor. 2,584,158, Feb. 5.

Pratt, William J., Belle Center, Ohio, and F. H. Tinkler, Mason, Mich., assignors to Wyeth Incorporated, Philadelphia, Pa. Lactalbumin of improved taste for human consumption. 2,606,181, Aug. 5.

Praturlon, Joseph, Asnieres, France. Rotary multiple punching press. 2,619,177, Nov. 25.

Pravda, Milton F.: *See*—
Swenson, Paul F., and Pravda.

Pray, Wilbur F., Hastings on Hudson, N. Y., assignor to Askania Regulator Company. Stabilization of control amplifiers. 2,597,259, May 20.

Preble, Andrew Y., and J. F. Golden, El Centro, Calif. Wall construction and skeleton therefor. 2,602,322, July 8.

Preble, Harry, Jr., Westport, Conn., assignor to General Slicing Machine Company, Inc., Walden, N. Y. Slicing machine in combination with a cabinet therefor. 2,611,406, Sept. 23.

Precision Developments Company Limited, assignee: *See*—
Olah, George.

Precision Gear & Machine Company, assignee: *See*—
Hunter, Fred.

Precision Gear and Machine Co. Inc., assignee: *See*—
Hanson, Victor A.

Precision Grinding Limited, assignee: *See*—
Stainton, Dudley E.

Precision Paper, Inc., assignee: *See*—
Davis, Harold M.

Precision Plastic Products, Inc., assignee: *See*—
Vigon, Jule.

Precision Rolls, Inc., assignee: *See*—
Waite, Edwin P.

Precision Scientific Co., assignee: *See*—
Van Gulider, Walter.

Preco Incorporated, assignee: *See*—
Anderson, Paul Z.
Anderson, Paul Z., and Fuchs.
Bordé, Harry J., and Fuchs.
Keim, Simeon.

Pree, Walter G.: *See*—
Corson, Dale R., and Pree.

Preformed Line Products Company, assignee: *See*—
Peterson, Thomas F.

Prehy Co., Incorporated, The, assignee: *See*—
Coney, Robert L.
Weber, Carl.

Preis, Carl G., Forest Hills, assignor to American Can Company, New York, N. Y. Container with water shedding top construction. 2,601,945, July 1.

Preis, Carl G., Forest Hills, N. Y., and R. E. J. Nordquist, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Mechanism for loading sheet material into magazines. 2,594,346, Apr. 29.

Preising, William J., and C. T. Ray, Louisville, Ky., assignors, by mesne assignments, to Minneapolis-Moline Company. Load and depth governor for plows. 2,606,487, Aug. 12.

Preising, William J., New Albany, Ind., and R. E. Stutzke, Louisville, Ky., assignors, by mesne assignments, to Minneapolis-Moline Company. Draft gear. 2,611,303, Sept. 23.

Preiss, Richard E., Chicago, Ill. Mixer cup. 2,585,835, Feb 12.

Prel Incorporated, assignee: *See*—
Ward, Lawrence T.

Premo, Lewis W., assignor to Gisholt Machine Company, Madison, Wis. Clamp. 2,583,880, Jan. 29.

Premo Pharmaceutical Laboratories, Inc., assignee: *See*—
Blackman, Theodore A.
Rosenblum, Harold.

Premoli, Luigi, Milan, Italy. Elastic assembly. 2,623,745, Dec. 30.

Prendergast, Charles S., Eashing, R. S. Prendergast, Elstead, G. W. B. Dixey, London, and H. Gordon, Elstead, England. Pump and motor. 2,609,754, Sept. 9.

Prendergast, James J. Erie, Pa., assignor to General Electric Company. Oil separation and reclaiming means for gas turbine power plants. 2,613,498, Oct. 14.

Prendergast, Richard S.: *See*—
Prendergast, Charles S., R. S., Dixey, and Gordon.

Prener, Jerome S., Schenectady, N. Y., assignor to General Electric Company. Arsenic activated zinc sulfide phosphor and making same. 2,600,263, June 10.

Prentice, Bearl O., Jackson, Mich. Mechanical movement. 2,617,312, Nov. 11.

Prentice, G. E., Mfg. Co., The, assignee: *See*—
Legat, Robert C.
Legat, Robert C., and Baretta.

Prentice, James M., South Hadley, and J. R. Umbach, Longmeadow, assignors to The Electric Game Company, Holyoke, Mass. Game wicket device. 2,583,493, Jan. 22.

Prentice, Leland B., Arcadia, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Cinematographic matte film and making it. 2,609,294, Sept. 2.

Prentice, Lilybelle, assignee: *See*—
Ellis, Clarence M.

Prentice Mfg. Co., assignee: *See*—
Legat, Robert C.

Prentice, Ralph W.: *See*—
Hamilton, Francis E., Seeber, and Prentice.

Prentiss, John O., San Benito, Tex. Sliding target game. 2,597,671, May 20.

Prentiss, Spencer S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Processing rubber. 2,582,278, Jan. 15.

Prentiss, Spencer S., and L. R. Sperberg, Bartlesville, Okla., assignors to Phillips Petroleum Company. Organocobalt chelates as accelerators of vulcanization. 2,582,795, Jan. 15.

Prentiss Wabers Products Company, assignee: *See*—
Jenson, Kenneth S., and Nelson.

Prescott, Charles H., Jr., Berkeley, Calif. Forming a glaze on carbon. 2,587,523, Feb. 26.

Prescott, Charles S., North Muskegon, Mich. Plant support. 2,618,902, Nov. 25.

Prescott, Herbert L., Sharon, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Depth control system for torpedos. 2,580,834, Jan. 1.

Prescott, Isaac S., Orlando, Fla. Spray gun nozzle assembly. 2,583,706, Jan. 29.

Prescott, Norman F., Wenham, assignor to Atwood & Morrill Co., Salem, Mass. Control system for catalytic reactors. 2,599,197, June 3.

Presgrave, Cyril: *See*—
Minnick, Leonard J. and Presgrave.

Pressed Steel Car Company, Inc., assignee: *See*—
Smith, Albert W.

Pressed Steel Company Limited, assignee: *See*—
Nolcken, Woldemar G.

Pressed and Welded Steel Products Company, assignee: *See*—
Haskin, Walter E.

Presser, Eric A. F., East Chicago, Ind. Thrust bearing. 2,600,687, June 17.

Pressing, Robert W., G. P. Lawless, and B. J. Pettibone, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Preparation of paste wax. 2,592,466, Apr. 8.

Pressnall, Charles A., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash corner construction. 2,615,540, Oct. 28.

Presstite Engineering Company, The, assignee: *See*—
Sussenbach, Paul, and Young.

Prestige, Incorporated, assignee: *See*—
Gardner, Charles W.

Prestige Products, Inc., assignee: *See*—
Stair, Carlyle B.

Prestinari, Eugen, Summit, assignor to Gemex Company, Union, N. J. Making bracelet chains. 2,610,463, Sept. 16.

Prestole Corporation, assignee: *See*—
Kost, Harold W.

Preston, Edwin L., River Forest, Ill. Building block construction. 2,611,261, Sept. 23.

Preston, Henry C., Towson, Md., assignor to The Black & Decker Manufacturing Company. Valve refacer work head. 2,606,767, Aug. 12.

Preston, Herbert G., Whittier, Calif. Toy trailer hitch. 2,602,266, July 8.

Preston, James: *See*—
Jordan, Henry L., Preston, and Sandham.

Preston, John E., Northport, N. Y., assignor to Crucible Steel Company of America, Midland, Pa. Roll-forging machine. 2,620,690, Dec. 9.

Preston, John E., Pittsburgh, assignor to Crucible Steel Company of America, Midland, Pa. Roll forging machine. 2,585,677, Feb. 12.

Preston, John H., Brooklyn, N. Y. Window. 2,585,678, Feb. 12.

Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Communication system. 2,597,818, May 20.

Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system for railroads. 2,605,391, July 29.

Preston, William E., Evanston, A. L. Cappelen, Bensenville, and D. B. Miller, Wheaton, assignors to Mueller Co., Decatur, Ill. Pipe line stopper. Re.23,526, July 22.

Preston, William M., Lincoln, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotatable wave guide joint. 2,584,399, Feb. 5.

Prêtre, Armand, Geneva, Switzerland, assignor to Montres Rolex S. A. (Rolex Watch Co. Ltd.). Rim for watchcases. 2,586,086, Feb. 19.

Pretty Products, Inc., assignee: *See*—
Timmons, William D.

Pretzer, Paul R., Bratenahl, Ohio. Soil mixing attachment for power tractors. 2,613,581, Oct. 14.

Preuss, Frederick W., Jackson, Miss., assignor to Necchi Sewing Machine Sales Corp. Sewing machine desk cabinet. 2,607,651, Aug. 19.

Prevost, Bruno E., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Splash guard bracket for shower pipes. 2,595,702, May 6.

Prevost, Bruno E., North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Disk nozzle shower device. 2,581,289, Jan. 1.

Prevost, Bruno E., North Andover, assignor to J. W. Bolton & Sons, Inc., Lawrence, Mass. Back stand for rolls of paper. 2,599,720, June 10.

Prew, Howard A., Providence, R. I., assignor to Pru-Lesco, Inc. Closure frame. 2,620,084, Dec. 2.

Prew, Robert H., assignor to Nashua Corporation, Nashua, N. H. Material for protecting metals from tarnish. 2,621,104, Dec. 9.

Prewitt, Richard H., Wallingford, Pa. Rotor parachute. 2,614,636, Oct. 21.

Prezioso, Giuseppe, Yverdon, assignor to Paillard S. A., Sainte-Croix (Vaud), Switzerland. Typewriter carriage control means support. 2,612,978, Oct. 7.

Prezioso, Giuseppe, Yverdon, assignor to Paillard S. A., Sainte-Croix, Vaud, Switzerland. Typewriter carriage and bearing therefor. 2,617,511, Nov. 11.

Priamos, Nicholas P., Lynwood, Calif. Bag closing device. 2,623,665, Dec. 30.

Pribus, Clarence W., assignor to Eastman Kodak Company, Rochester, N. Y. Mount for optical elements. 2,611,296, Sept. 23.

Pribyl, Edward: *See*—
Lott, William A., and Pribyl.

Price, Arthur H., London, assignor, by mesne assignments, to Gaskell & Chambers Limited, Birmingham, England. Apparatus for charging containers with measured quantities of liquid. 2,614,742, Oct. 21.

Price, Bernard A.: *See*—
Walter, Andrew T., and Price.

Price, Bernard W., San Francisco, Calif. Welting. 2,601,688, July 1.

Price Brothers & Company, Limited, assignee: *See*—
Helleur, Donald.

Price, Burton G., and K. C. Desler, assignors to Vancouver Plywood Co., Vancouver, Wash. Veneer clipper. 2,623,589, Dec. 30.

Price, Charles C., South Bend, Ind., assignor to Hercules Powder Company, Wilmington, Del. Stabilized rosin size. 2,606,842, Aug. 12.

Price, Charles C., South Bend, Ind., and R. M. Roberts, Austin, Tex., assignors to the United States of America as represented by the Secretary of the Army. Making intermediates for producing basic compounds. 2,614,121, Oct. 14.

Price, Donald A., Sr., San Leandro, Calif., assignor to American Brake Shoe Company, New York, N. Y. Conveyer flight. 2,595,703, May 6.

Price, Dorsey T., Knoxville, Iowa. Self-cleaning push brush. 2,607,941, Aug. 26.

Price, Douglas F., Crystal Springs, Miss. Ball-dispensing attachment for pool tables. 2,588,871, Mar. 11.

Price, Duane W., Chicago, Ill. Electric switch for games. 2,595,811, May 6.

Price, Earl R.: *See*—
Thomas, Thomas H., Price, and Long.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,587,524, Feb. 26.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,587,892, Mar. 4.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,593,604, Apr. 22.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,593,605, Apr. 22.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake mechanism. 2,601,627, June 24.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power transmission. 2,601,628, June 24.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch and transmission operating mechanism. 2,605,874, Aug. 5.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,616,538, Nov. 4.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Force transmitting mechanism. 2,620,674, Dec. 9.

Price, Edward V. and V. E., Van Nuys, Calif. Combined stool and retractable footrest. 2,607,946, Aug. 26.

Price Electric Corporation, assignee: *See*—
Miller, Charles F., and Murphy.

Price, Forrest M., and R. M. Johnston, United States Navy. Electrical conducting means for relatively rotating structures. 2,588,410, Mar. 11.

Price, Frank H.: *See*—
Felton, Albert E., and Price.

Price, Gayle B., assignor to The Flexicore Co., Inc., Dayton, Ohio. Expansible mold for casting concrete beams. 2,614,309, Oct. 21.

Price, H. C., Co., assignee: *See*—
Bryan, Lloyd L.
Elliott, Bernard V.

Price, Harold L., Leeds, England, assignor to The Sperry Corporation. Control system for controlled airfoils of aircraft. 2,623,717, Dec. 30.

Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,589,628, Mar. 18.

Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,601,629, June 24.

Price, Harry E., Brookline, Mass. Electric grill. 2,607,287, Aug. 19.

Price, Herbert K., and E. Montgomery, San Francisco, Calif. Manhole cover remover. 2,599,938, June 10.

Price, Howard S., Jr.: *See*—
Costello, Joseph, and Price.

Price, Hyman, and E. B. George, assignors to Hyman Price, Chicago, Ill. Attaching fender flaps. 2,593,179, Apr. 15.

Price, James W., Roanoke, Va. Adjustable fracture nail guide. 2,607,339, Aug. 19.

Price, John A.: *See*—
Thomas, Walter M., and Price.

Price, John A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerizable compositions comprising 2-vinylbenzimidazole and polymerization products thereof. 2,606,175, Aug. 5.

Price, John C., Schenectady, N. Y., assignor to General Electric Company. Phase shifting network. 2,598,432, May 27.

Price, Joseph W., assignor to Transportation Sash Company, Inc., Topton, Pa. Removable sash lock assembly. 2,611,462, Sept. 23.

Price, Lawson, Rensselaer, Ind. Automatic rural mailbox signal. 2,581,880, Jan. 8.

Price, Manley R., Lakewood, Ohio, assignor to The Celotex Corporation, Chicago, Ill. Screw and screw hold applying machine for acoustical tile and the like. 2,599,283, June 3.

Price, Marion E., assignor to Pipeline Protection Company, Denver, Colo. Mixing apparatus. 2,601,320, June 24.

Price, Milton R., Issaquah, assignor of one-half to O. E. Gibson, Seattle, Wash. Block-bisecting machine. 2,593,606, Apr. 22.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Air turbine starting means for gas turbine power plants. 2,608,054, Aug. 26.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Internal-combustion turbine power plant. 2,613,501, Oct. 14.

Price, Nathan C., Hollywood, Calif., assignor to Boeing Airplane Company. Rate-of-pressure change controls for pressure cabins. 2,620,719, Dec. 9.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft power plant and cabin pressurizing system. 2,582,848, Jan. 15.

Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Starting system for internal-combustion turbine power plants. 2,609,659, Sept. 9.

Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Propulsive means for vertical rising aircraft. 2,610,005, Sept. 9.

Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Gas turbine power plant having propeller drive. 2,613,749, Oct. 14.

Price-Pfister Mfg. Co., assignee: *See*—
Hinderer, Gottlob.

Price, Philip, executor: *See*—
Stokes, John S.

Price, Ralph E.: *See*—
Klay, Walter S., and Price.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Work ejector for machine tools. 2,603,916, July 22.

Price, Raymond M.: *See*—
Roche, Arthur F., and Price.

Price, Richard D., Green Lane, assignor to American National Dispensing Co., Lansdale, Pa. Beverage vending machine. 2,621,838, Dec. 16.

Price, Robert D., Cleveland, Ohio, assignor to United States Steel Company. Solenoid operated rod shear. 2,618,335, Nov. 18.

Price, Robert N., assignee: *See*—
Butler, Joseph E.

Price, Veronica E.: *See*—
Price, Edward V. and V. E.

Price, Walter E., Jr., Clinton, Miss. Disk cultivator. 2,588,872, Mar. 11.

Pricer, Lowell L., Hayward, Calif. Work holder. 2,613,557, Oct. 14.

Prichard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene-cobalt carbonyl hydride adduct. 2,600,571, June 17.

Prickett, Mona E.: *See*—
Prickett, Wilber W. and M. E.

Prickett, Mona E., assignee: *See*—
Prickett, Wilbur W.

Prickett, Wilber W., assignor to High Seas Tuna Packing Co., Inc., San Diego, Calif. Article handling apparatus. 2,583,707, Jan. 29.

Prickett, Wilber W., assignor of one half to M. E. Prickett, San Diego, Calif. Measuring and dispensing apparatus for containers. 2,590,458, Mar. 25.

Prickett, Wilber W. and M. E., San Diego, Calif. Key holder having visual perceptible key indicating means. 2,595,981, May 6.

Pridy, Whetstine B., Long Beach, Calif. Pipe loading device. 2,617,547, Nov. 11.

Pridy, Whetstine B., Long Beach, Calif. Pipe sling. 2,617,677, Nov. 11.

Pridy, Whetstine B., and R. C. Howard, Long Beach, Calif. Pipe chuck. 2,587,893, Mar. 4.

Priebe, Paul D., New York, N. Y. Airplane cabin seating arrangement. 2,595,607, May 6.

Priedigkeit, John, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage regulator. 2,585,679, Feb. 12.

Priest, Dorman E., North Lexington, Mass., assignor to Physicists Research Company, Ann Arbor, Mich. Instrument for recording or measuring the size and shape of surface irregularities. 2,620,655, Dec. 9.

Priest, Dorman E., North Lexington, Mass., assignor to Physicists Research Company, Ann Arbor, Mich. Mechanical-electrical displacement converter. 2,621,224, Dec. 9.

Priest, Jesse A., assignee: *See*—
Seegers, Arthur J. and L. G.

Priestly, Frank P., Chicago, Ill. Inhalator. 2,587,215, Feb. 26.

Prieur, Ernest A., Flint, Mich. Artificial fish lure. 2,598,012, May 27.

Prill, Erhard J., Cresskill, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Separation of products obtained from isobutylene-nitrosyl chloride adduct. 2,599,482, June 3.

Prill, Fred R.: *See*—
Rose, Erwin K., and Prill.

Prime Products Inc., assignee: *See*—
Bruce, John A.
Parker, James L.

Primeweld Corporation, assignee: *See*—
McKechnie, Ian C.

Prince Castle Manufacturing Div., Inc., assignee: *See*—
Prince, Earl S., and MacDougall.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Helicopter-airplane. 2,622,826, Dec. 23.

Prince, Donald H.: *See*—
Bennett, Alfred, Prince, and Edwards.

Prince, Earl S., and R. MacDougall, Rock Falls, assignors to Prince Castle Manufacturing Div., Inc., Sterling, Ill. Multiple drink mixing machine. 2,619,332, Nov. 25.

Prince, John G., Schofield, Wis. Slide away table and holding frame therefor. 2,616,774, Nov. 4.

Principal Stamping & Mfg. Corp., assignee: *See*—
Becker, Fred F.

Pringle, Allan S., Galt, Ontario, Canada, assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for force lasting shoes. 2,607,056, Aug. 19.

Pringle, John W., Northbrook, assignor to E. L. Stevens, Woodstock, Ill. Flexible coupling. 2,616,273, Nov. 4.

Pringle, William L., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Hub and brake assembly. 2,599,013, June 3.

Pringle, William L., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Resilient joint. 2,607,617, Aug. 19.

Printing and Allied Trades Research Association, The, assignee: *See*—
Banks, William H., and Upton.

Printing Engineers Incorporated, assignee: *See*—
Hillmer, Herman H., and Orent.

Printy, Helen: *See*—
Julian, Percy L., Meyer, and Printy.

Prior, Eva M., executrix: *See*—
Prior, Fred.

Prior, Fred, deceased, Dallas, Tex.; E. M. Prior, executrix, assignor to Prior Products, Inc., Dallas, Tex. Vehicle fuel tank assembly. 2,622,887, Dec. 23.

Prior, Hector T.: *See*—
Terry, Victor J., Hargreaves and Prior.

Prior, Hector T., and T. W. Fisher, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric wave filter. 2,619,535, Nov. 25.

Prior Products, Inc., assignee: *See*—
Prior, Fred.

Prismacolor Pictures, Inc., assignee: *See*—
Oakhill, Frederic E.

Prismo Products, Inc., assignee: *See*—
Wilson, Rufus W.

Pritchard, Dalton H., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,600,919, June 17.

Pritchard, George A., Atlantic Beach, Fla. Weather shield for automobile windows. 2,599,014, June 3.

Pritchard, George A., Atlantic Beach, Fla. Shield for automobile windows. 2,599,015, June 3.

Pritchard, Harold C., I. L. Thomas and G. E. Roberts, South Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Gyromagnetic compass apparatus. 2,599,124, June 3.

Pritchard, Howard A., Hiram, Ohio, assignor to Harris-Seybold Company. Sheet transfer device for perfecting presses. 2,593,180, Apr. 15.

Pritchard, Howard A., Hiram, assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet feeder. 2,593,181, Apr. 15.

Pritchard, J. F., & Co., assignee: *See*—
Nelly, Henry M., Jr.
Nelly, Henry M., Jr., and Sullivan.

Pritchard, James E.: *See*—
Fryling, Charles F., Troyan, and Pritchard.

Pritchard, Levi T., Tulsa, Okla., assignor to Dry Ice Converter Corporation. Cover for pressure vessels. 2,600,021, June 10.

Pritchett, David E.: *See*—
Stevens, Jesse W., and Pritchett.

Pritchett, Eric G. K., Solihull, and G. Barnett, Olton, England, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Novolak resin preparation. 2,617,785, Nov. 11.

Pritchett, Eunice E., administratrix: *See*—
Pritchett, Jerry M.

Pritchett & Gold, assignee: *See*—
Chapman, Edward S.

Pritchett, Jerry M., deceased, Glendale, Calif., by E. E. Pritchett, administratrix, Hollywood, Calif. Belt tightener. 2,620,533, Dec. 9.

Pritchett, William J., Demopolis, Ala. Automatic spring-pressed needle expansion valve. 2,618,907, Nov. 25.

Pritzker, Lee, Baltimore, Md. Coating compositions containing petroleum resins. 2,596,101, May 13.

Pritzker, Lee, Brookline, Mass. Combination garment. 2,617,106, Nov. 11.

Probst, John B., Cheviot, assignor to Clopay Corporation, Cincinnati, Ohio. Window shade attachment. 2,599,410, June 3.

Probst, Karl K., Lansing, Mich. Transmission mechanism. 2,588,161, Mar. 4.

Probst, Robert L., Affton, Mo. Armature winding machine. 2,622,715, Dec. 23.

Probstein, Norton, Brooklyn, N. Y. Closure for collapsible dispensing tubes in the form of a pair of transversely swinging caps. 2,604,231, July 22.

Process Chemical Company, assignee: *See*—
Katzman, Morris.

Process Gear and Machine Co., assignee: *See*—
Klomp, Alfred W.

Processed Trout Foods, Incorporated, assignee: *See*—
Otter, Harold S.

Processing Equipment Corporation, assignee: *See*—
Hohl, George I., Weise, Rist, and Rist.

Procos, Steve J., Chicago, Ill. Flash sight for shotguns. 2,585,345, Feb. 12.

Procter & Gamble Company, The, assignee: *See*—
Baur, Fredric J.
Baur, Fredric J., and Lange.
Burt, Robert V.
Haefele, John W.
Haefele, John W., and Tucker.
Henry, Ronald A.
Hizer, Elbert S.
Jackson, Frank L.
Lange, Willy, and Folzenlogen.
Neely, James S.
Schaeffer, John R.
Vierson, Fred.
Wheelock, Charles E.
Wood, Richard C.

Procter and Gamble Company, The, assignee: *See*—
Williamson, Walter H.

Procter, John T., York, and A. Ogilvie, St. Albans, England. Granulation of phosphatic fertilizers. 2,598,658, May 27.

Proctor Electric Company, assignee: *See—*
Hild, Henry F.
Snyder, Paul C.
Stevenson, Robert O., Myers, and Turner.
Stevenson, Robert O., and Turner.
Turner, Charles R.
Vogelsberg, Walter H.
Wallis, Preston M., Jr.

Proctor, John A., Chicago, Ill. Speaker construction. 2,623,254, Dec. 30.

Proctor, K. R., assignee: *See—*
Findley, James P. and H. J.
Mattie, William A.

Proctor, Ralph R., Glendale, Calif. Automatic safety valve closure system. 2,608,205, Aug. 26.

Proctor, Ronald R., Evanston, and L. E. Ellison, Crystal Lake, assignors to The Pure Oil Company, Chicago, Ill. Electric motor load indicator. 2,605,304, July 29.

Proctor & Schwartz, Inc., assignee: *See—*
Harrison, Alma J.
Hurxthal, Alpheus O.
Shegda, Michael.

Proctor, Warren G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Geometrical computer. 2,600,264, June 10.

Prod'hom, André, Geneva, Switzerland. Safe box. 2,606,512, Aug. 12.

Product Developers, Inc., The, assignee: *See—*
Van Dyk, John C.

Product Development Engineering Research and Promotion Corporation, assignee: *See—*
Smereck, Arthur.

Product Engineering Co., assignee: *See—*
Everett, Harry F.

Product Miniature Company, assignee: *See—*
Ford, Paul J. and W. E.

Production Associates, Incorporated, assignee: *See—*
McConaughy, Donald.

Production Broaching Corporation, assignee: *See—*
Iversen, Norman H.

Production Tool & Die Co. Inc., assignee: *See—*
Gaudreau, Richard J.
Vigneault, Oswald R., and Small.

Productive Equipment Corporation, assignee: *See—*
Soldan, Lewis E.

Productive Inventions, Inc., assignee: *See—*
Anderson, John W.
Krohm, Fred A.
Smulski, Theodore J.

Products & Licensing Corporation, assignee: *See—*
Fleischel, Gaston.
Toulon, Pierre M. G.

Products Manufacturing Co., Inc., assignee: *See—*
Demarco, Salvatore J., Jr.
Herrick, Percy H.

Proell, Wayne A.: *See—*
Adams, Chester E., Proell, and Ballweber.

Proell, Wayne A., Chicago, Ill., and W. B. Chilcote, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Producing sulfonyl halides from sulfenyl halides. 2,598,013, May 27.

Proell, Wayne A., Chicago, Ill., W. B. Chilcote and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Conversion of hydrocarbon disulfides to sulfonyl chlorides. 2,598,014, May 27.

Proell, Wayne A., Chicago, Ill., and W. F. Wolff, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. High boiling mercaptan production. 2,615,786, Oct. 28.

Progress, Joseph J., Houston, Tex. Latch position signaling device. 2,605,330, July 29.

Prohaska, James J., La Grange, assignor to Swift & Company, Chicago, Ill. Skinning knife. 2,596,079, May 6.

Prohaska, James J., La Grange, assignor to Swift & Company, Chicago, Ill. Sausage manufacturing apparatus. 2,623,451, Dec. 30.

Prohaska, James J., Palos Heights, assignor to Swift & Company, Chicago, Ill. Skinning knife. 2,596,078, May 6.

Prokop, Frank J.: *See—*
Du Mais, Leo J., Bernzott, and Prokop.
Du Mais, Leo J., and Prokop.

Prokop, Leslie J., and R. C. Smith, deceased; E. M. Smith, executrix of said R. C. Smith, assignors of sixty per cent to said Prokop, and forty per cent to E. M. Smith, New Haven, Conn. Fountain-type cosmetic applicator. 2,611,915, Sept. 30.

Pro-Nyl Chemicals, Inc., assignee: *See—*
Hendrix, Palmer G.

Prophet, James, Jr., Cranford, N. J., assignor to Standard Oil Development Company. Improving the quality of naphthenic acids. 2,581,139, Jan. 1.

Proportioneers, Inc., assignee: *See—*
Armbrust, Henry N.

Proskauer, Richard, Westbury, N. Y., assignor to The Sperry Corporation. Modulation system for craft guidance. 2,602,161, July 1.

Prosperity Company, Inc., The, assignee: *See—*
Davis, Ernest, and Winnewisser.
Neuroth, John.

Prosser, Patrick M., Jacksonville, Fla. Armrest for vehicles. 2,598,299, May 27.

Protzeller, Harry W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Cribber chain. 2,594,990, Apr. 29.

Protzeller, Harry W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Cribber chain excavating element. 2,594,991, Apr. 29.

Proud, Ralph A., Wickliffe, and H. C. Stanley, Chagrin Harbor, Willoughby, Ohio, assignors to Talon, Inc. Sewing snap fastener tape. 2,605,726, Aug. 5.

Proud, Ralph A., Wickliffe, and H. C. Stanley, Willoughby, Ohio, assignors to Talon, Inc. Machine for attaching snap fasteners to tape and the like. 2,613,835, Oct. 14.

Proudfoot, Charles B., Niagara Falls, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion gauge mounting. 2,594,212, Apr. 22.

Proudfoot, Charles B., assignor to The Carborundum Company, Niagara Falls, N. Y. Granular silicon carbide and making same. 2,614,946, Oct. 21.

Proulx, Leonard E., Arlington, Mass., and R. L. Hill, Norway, Maine, assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,596,169, May 13.

Prouteau, Lucien H.: *See—*
Vazieux, Charles E. R., and Prouteau.

Prouty, Lawrence R., New York, N. Y. Continuously rotary character-wheel printing machine. 2,613,796, Oct. 14.

Prouty, Robert E.: *See—*
Talmadge, Palmer C., Zartman, and Prouty.

Prouty, Robert E., assignor to Essex Wire Corporation, Logansport, Ind. Snap switch. 2,601,556, June 24.

Providence Pile Fabric Corp., assignee: *See—*
Symonds, Bernard K.

Provident Trust Company of Philadelphia, executor: *See—*
Stokes, John S.

Provitola, Anna T.: *See—*
Provitola, Anthony and A. T.

Provitola, Anthony and A. T., New York, N. Y. Sun hat. 2,623,213, Dec. 30.

Provost, Camille, Jeanerette, La. Sugar mill housing. 2,599,125, June 3.

Provost, Henri, Montreal, Quebec, Canada. Forwardly mounted tractor sod cutter. 2,617,347, Nov. 11.

Provost, Laurence R., Shawnee, Kans. Grass elevator and container atttachment for lawn mowers. 2,597,819, May 20.

Prower, Charles W., East Molesey, and T. G. Guppy, Hanwell, London, assignors to Blackburn and General Aircraft Limited, Brough, England. Detachable pilot's cockpit for aircraft. 2,591,867, Apr. 8.

Prox, Frank, Company, Inc., assignee: *See—*
Prox, Robert F., Jr., and Woods.

Prox, Robert F., Jr., West Terre Haute, and B. F. Woods, assignors to Frank Prox Company, Inc., Terre Haute, Ind. Cutter chain structure. 2,612,056, Sept. 30.

Pru-Lesco, Inc., assignee: *See—*
Prew, Howard A.

Prucha, Frank M., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Extruding flanges around holes in metal sheets and welding nuts thereto. 2,623,974, Dec. 30.

Pruden, Harold M.: *See—*
Hearn, Richard B., and Pruden.

Prue, Walter W., Auburn, Maine. Method of and apparatus for cutting sheet material. 2,604,165, July 22.

Pruett, William A., assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Jar pump having antidrip spout. 2,593,607, Apr. 22.

Pruger, Theodore A.: *See—*
Sheridan, Claude M., and Pruger.

Prugh, Thomas A., U. S. Army, and R. L. Beam, U. S. Army, Arlington County, Va. Electrical apparatus. 2,616,954, Nov. 4.

Pruitt, Willis: *See—*
St. Jean, Paul J., and Pruitt.

Pruitt, Willis, Attalla, and R. R. Pope, Boaz, assignors to B. Kahn, Gadsden, Ala. Loom with swinging hook bar. 2,603,241, July 15.

Prupis, Robert I.: *See—*
Berman, Hans, and Prupis.

Prusack, Michael R., Salina, Pa. Lighter construction. 2,617,286, Nov. 11.

Prutton, Daniel H., Cleveland, Ohio. Tapping machine drive. 2,600,022, June 10.

Prutzman, Paul E., South Gate, Calif. Rearview mirror. 2,585,273, Feb. 12.

Pruyn, Leonard L., Los Angeles, Calif. Automatic electric selective silver coin changer. 2,610,721, Sept. 16.

Pruyne, Florence H., Portland, Oreg. Attachment for hospital beds. 2,607,401, Aug. 19.

Pryke, Fordham, London, England. Underpinning of buildings. 2,586,712, Feb. 19.

Pryne, Ralph, Pomona, Calif. Recessed lighting fixture. 2,588,760, Mar. 11.

Pryne, Ralph, Pomona, Calif. Lighting fixture of the recessed type. 2,602,881, July 8.

Pryor, Robert C., Keytesville, Mo., assignor to Phillips Petroleum Company. Gas extraction apparatus. 2,622,694, Dec. 23.

Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Heat exchange core. 2,592,950, Apr. 15.

Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Apparatus for making cross fin coils. 2,615,237, Oct. 28.

Przybylski, Daniel F., Winona, Minn. Sight for trench excavators. 2,580,954, Jan. 1.

Przybylski, Daniel F., Winona, Minn. Speed reduction unit. 2,580,955, Jan. 1.

Przybylski, Daniel F., Winona, Minn. Digging adjustment for endless type trench excavators. 2,584,287, Feb. 5.

Przybylski, Daniel F., Winona, Minn. Endless conveyer of the belt type. 2,584,288, Feb. 5.

Przybylski, Daniel F., Winona, Minn. Trench excavator. 2,599,778, June 10.

Przybylski, Daniel F., Winona, Minn. Variable-speed reduction unit. 2,618,981, Nov. 25.

Przybylski, Daniel F., Winona, Minn. Centering and take-up means for belt conveyers. 2,619,222, Nov. 25.

Przysiecki, Theodore I., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Automatic shift control for printing telegraph apparatus. 2,589,132, Mar. 11.

Pschorr, Frank E.: *See—*
Anspon, Harry D., and Pschorr.

Publicker Industries, Inc., assignee: *See—*
Elving, Philip J., Shoemaker, Kabacoff, and Nagelburg.
Legg, David A., and Beesch.
Robinette, Hillary, Jr., and Pfeifer.
Wilder, Richard S., and Herman.

Public Service Coordinated Transport, assignee: *See—*
Lyman, Albert A.

Puccinelli, Sylvio: *See—*
De Back, William, Puccinelli, and McCloud.

Puckett, Ralph Q., Payette, Idaho. Automatic gate. 2,592,736, Apr. 15.

Pudark, Arthur, and H. Rapaport, assignors to Rapaport Brothers, Inc., Chicago, Ill. Toy bank. 2,590,271, Mar. 25.

Puddington, Ira E.: *See—*
Sirianni, Aurelio F., and Puddington.

Pudelko, Hermann, assignor to Duerkoppwerke Aktiengesellschaft, Bielefeld, Germany. Stitch regulator of sewing machines. 2,583,444, Jan. 22.

Pudelko, Richard, Zug, Switzerland, assignor to Landis & Gyr, A. G. Maximum demand meter. 2,590,459, Mar. 25.

Pueblo Savings & Trust Company, executor: *See—*
Arthur, Oscar F., and Schulle.

Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Circuit controlling device. 2,594,493, Apr. 29.

Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Miniature phone plug. 2,610,223, Sept. 9.

Puerto Rico Glass Corporation, assignee: *See—*
Hanson, Jewell R.

Puget Sound Pulp and Timber Co., assignee: *See—*
Ekholm, Erik, and Haner.

Pugh, George A.: *See—*
Harter, Isaac, Jr., and Pugh.

Pugh, Laura S., Smyrna, Tenn. Molding mop. 2,610,346, Sept. 16.

Pugh, Robert W.: *See—*
Gearhart, William M., and Pugh.

Pugh, Willis A., St. Maries, Idaho. Log turner. 2,620,836, Dec. 9.

Pugsley, Hugh J., Pittsburgh, assignor to Swindell-Dressler Corporation, Aspinwall, Pa. Base for cover-type annealing furnace with external means for circulating and cooling atmosphere gases. 2,591,097, Apr. 1.

Puig, Daniel A., Barcelona, Spain. Obtaining colored copies of cinematographic films. 2,597,820, May 20.

Puig, Jorge A. M., Buenos Aires, Argentina. Collapsible liquid column manometer. 2,603,210, July 15.

Puig Salsas, Anastasio, Badalona, Spain. Elevator conveyer truck. 2,584,918, Feb. 5.

Pullar, Harold B., assignor to Berry Asphalt Company, Magnolia, Ark. Pulverent asphaltic composition. 2,584,919, Feb. 5.

Pullars Electric Co. (Brighton) Limited, assignee: *See—*
Brown, James E., and Bowen.

Pullars Instruments Limited, assignee: *See—*
Brown, James E., and Bowen.

Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Brush control for carpet sweepers. 2,596,170, May 13.

Pullen, Harold N.: *See—*
Dexheimer, Walter A., Jr., and Pullen.

Pulliam, Dudley C., Chicago, Ill. Filament support. 2,599,411, June 3.

Pullin, Cyril G., Tadburn, Ampfield, and J. S. Shapiro, Hampstead, London, England, assignors, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Helicopter with auxiliary rotor. 2,613,748, Oct. 14.

Pullin, Cyril G., Tadburn, Ampfield, and K. Watson, Woolston, Southampton, England, assignors, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Multirotor helicopter. 2,623,711, Dec. 30.

Pullis, George A.: *See—*
Clutts, Charles E., Pullis, Schenck, and Weber.

Pullman Company, The, assignee: *See—*
Crawford, David A.
Tully, James K., and Jones.

Pullman-Standard Car Manufacturing Company, assignee: *See—*
Brack, Joseph L.
Candlin, James E., Jr.
Jones, Basil E.
Matosec, Stephen J.
Murphy, Frank L., Haman, and Kay.
Radey, Charles R.
Shaver, Raymond M.

Pulsifer, Clarence D., Farmington, assignor to The New Britain Machine Company, New Britain, Conn. Tool slide. 2,581,602, Jan. 8.

Pulvari, Charles F., Washington, D. C. Electric automatic circuit breaker with reclosing means. 2,618,688, Nov. 18.

Pulver, Robert, assignor to J. R. Geigy A. G., Basel, Switzerland. Production of chondroitin polysulfuric acid esters. 2,612,499, Sept. 30.

Pulverizing Machinery Company, assignee: *See—*
Martens, William G., Jr.
Sheldon, William M.

Pulvino, Thomas C., Rochester, N. Y. Off-spot locator and spare pickup for bowling machines. 2,607,621, Aug. 19.

Punch Engineering Pty. Limited, assignee: *See—*
Skillman, Thomas S.

Pundick, Boris: *See—*
Lumb, David C., and Pundick.

Pung, Oi G., assignee: *See—*
Singer, Henry.

Punte, William F.: *See—*
Henchert, John, and Punte.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Drive for pendulum swing for electric clocks. 2,617,246, Nov. 11.

Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Drive for a pendulum, swing or the like. 2,617,247, Nov. 11.

Punzmann, Carl, Ridgewood, assignor to Bulova Watch Company, Inc., New York, N. Y. Radio clock. 2,596,790, May 13.

Purcell, Edward M.: *See—*
Haworth, Leland J., and Purcell.

Purcell, Edward M., Cambridge, Mass., and C. G. and D. D. Montgomery, New Haven, Conn., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control of polarization in wave guides and wave guide systems. 2,607,849, Aug. 19.

Purcell, Howard F., Dayton, and E. K. Butler, Xenia, assignors to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Water softening apparatus. 2,610,945, Sept. 16.

Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic press. 2,614,488, Oct. 21.

Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Surge valve. 2,581,290, Jan. 1.

Purcell, William R., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for measuring capillary pressure. 2,604,779, July 29.

Purdue Research Foundation, assignee: *See—*
Bachman, Gustave B., and Hewett.
Benzer, Seymour.
George, Roscoe H.
Hass, Henry B., and Alexander.
Hinshaw, Jerrold O.
Lark-Horovitz, Karl, Benzer, and Davis.
Lark-Horovitz, Karl, and Whaley.
McBee, Earl T., and Frederick.
McBee, Earl T., and Ligett.
McBee, Earl T., Ligett, and Lindgren.
McBee, Earl T., and Newcomer.
McBee, Earl T., Robb, and Ligett.

Purdue Research Foundation, The, assignee: *See—*
Bachman, Gustave B., and Lewis.

Purdy, Rolland M., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Ventilator. 2,607,280, Aug. 19.

Pure Oil Company, The, assignee: *See—*
Alcorn, Irwin W.
Ayers, George W., Geerts, and Chandler.
Ayers, George W., Geerts, and Krewer.
Ayers, George W., Harton, and Mazurk.
Bell, Richmond T.
Bond, Donald C.
Bond, Donald C., and Bernard.
Bond, Donald C., and Russell.
Bond, Donald C., and Savoy.
Brennan, Elmer W., and Williams.
Carr, Richard H., and Covell.
Goldsbarry, Albert W., and Agruss.
Hatfield, Jesse M.
Murray, Christopher A.
Porter, Charles A., and Marisic.
Porter, Charles A., and Rollin.
Proctor, Ronald R., and Ellison.
Savoy, Michael G.
Stanton, John P.
Terrell, Charles F., Jr.
Woertz, Byron B., Henderson, and Ridgway.

Purex Corporation, Ltd., assignee: *See*—
Davis, Earl.
Stoneman, Alan C.

Purington, Ellison S., assignor to J. H. Hammond, Jr., Gloucester, Mass. Electrical filter. 2,589,133, Mar. 11.

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Pulsed radio signaling. 2,614,210, Oct. 14.

Purington, Ellison S., and J. H. Hammond, Jr., Gloucester, Mass.; said Purington assignor to said Hammond, Jr. Auxiliary camera break-in for television transmission systems. 2,585,034, Feb. 12.

Puritan Mills, Inc., assignee: *See*—
Kephart, Samuel M.

Purity Manufacturing Company, Inc., assignee: *See*—
Merow, Edward J.

Purnell, Charles G., Pittsburgh, Pa., assignor to United States Steel Company. Heat-treatment of hardenable steel. 2,618,284, Nov. 18.

Puro Filter Corporation of America, assignee: *See*—
Kellershon, Heinrich J.

Purolator Products, Inc., assignee: *See*—
Kovacs, Julius P.
Layte, Ralph R.

Purple, Leslie P.: *See*—
Evans, Richard H., and Purple.

Purrier, Howard C., Bristol, Conn. Liquid measuring nozzle. 2,595,407, May 6.

Purviance, Billy J., Lodi, and D. A. Smith, Los Angeles, Calif. Trampoline. 2,600,572, June 17.

Purvis, Joseph T.: *See*—
Boyd, Winnett, and Purvis.

Purvis, Joseph T., Toronto, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Turbine nozzle guide vane construction. 2,609,176, Sept. 2.

Purvis, Judson A., Chicago, Ill., assignor to The Fil-Rite Company, Minneapolis, Minn. Mechanism for loading grease guns. 2,601,169, June 17.

Purvis, Matthew R., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph concentration board spare communication circuit. 2,605,347, July 29.

Puryear, Oney P.: *See*—
Knowles, Edwin C., Puryear and Eckert.

Pusateri, Francesco J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Transferrer arm for weft replenishing looms. 2,588,873, Mar. 11.

Puscas, Harry Z., Rock Island, Ill. Motor-driven child's swing. 2,609,031, Sept. 2.

Pusey, Charles E., Miami, Fla. Window construction. 2,622,674, Dec. 23.

Pusey & Jones Corporation, The, assignee: *See*—
Bratton, Samuel M.

Pusey, Raymond D., assignor to Wilson Refrigeration, Inc., Smyrna, Del. Side opening milk cooler. 2,608,836, Sept. 2.

Puster, Louis M., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Hydraulic corrugating machine. 2,610,667, Sept. 16.

Puster, Louis M., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Steam water heater. 2,610,837, Sept. 16.

Puster, Louis M., and J. A. Kaserman, Knoxville, Tenn., assignors to Robertshaw-Fulton Controls Company. Machine for sorting compressible elements. 2,591,868, Apr. 8.

Putman, John H., Enfield, J. Scott, West Wimbledon, London, and D. W. Ervine, Teddington, England, assignors to Standard Oil Development Company. Noncorrosive oil compositions. 2,610,151, Sept. 9.

Putnam, Nelson E., Grosse Ile, assignor to General Motors Corporation, Detroit, Mich. Door check and hold open. 2,580,593, Jan. 1.

Putnam, Stearns T., assignor to Hercules Powder Company, Wilmington, Del. Preparation of stabilized tall oil nitriles. 2,590,570, Mar. 25.

Putnam, Stearns T., assignor to Hercules Powder Company, Wilmington, Del. Preparation of stabilized tall oil amines. 2,590,571, Mar. 25.

Putney, David H., assignor to Stratford Engineering Corporation, Kansas City, Mo. Method and apparatus for contacting gases and pulverized solids. 2,589,862, Mar. 18.

Putnocky, Joseph G., Jr., Fairfield, Conn. Alternating current or direct current timing motor. 2,624,017, Dec. 30.

Putt, Harlie O., Elkhart, assignor of fifteen per cent to J. E. Schroeder, fifteen per cent to B. A. Scheibelhut, fifteen per cent to L. J. Schroeder and fifteen per cent to M. Schroeder, Mishawaka, and fifteen per cent to F. A. Schellinger, South Bend, Ind. Rotary turbine type fluid coupling. 2,615,303, Oct. 28.

Putt, J. Lewis, Huntington Station, N. Y. Internal-combustion engine. 2,598,300, May 27.

Putt, John W., Jersey City, J. O. Smith, Jr., and J. O. McLean, North Plainfield, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Apparatus for automatic collection of liquid fractions. 2,622,062, Dec. 16.

Putterbaugh, John D., Troy, assignor to Campbell and Company, Cincinnati, Ohio. Electrically operated invalid's bed. 2,617,117, Nov. 11.

Puttick, Harold G., Upper Deal, assignor to Petbow Limited, Sandwich, England. Apparatus for generating electricity. 2,603,756, July 15.

Puttre, Ferdinand, Brooklyn, N. Y. Meat market. 2,581,140, Jan. 1.

Pye, David J., Concord, Calif., assignor to The Dow Chemical Company, Midland, Mich. Simultaneously purifying and dehydrating caustic alkali solutions containing chlorates. 2,610,105, Sept. 9.

Pye Limited, assignee: *See*—
Cope, John E., and Germany.
Court, Patrick R. J.
Fisher, Donald H.
Green, John D. F.
Holland, Ernest O., and Smith.
Hutton, James A.
Jackson, Donald.
Lawson, Dennis L., and Lord.
Lax, Ladislav.
Weighton, Donald.

Pyk, Herman T., Saltsjo-Duvnas, and H. G. Camner, Storangen, assignors to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Fuel injection apparatus. 2,605,141, July 29.

Pyk, Sven C.: *See*—
Lindblad, Robert H., and Pyk.

Pylate, Edward E., assignee: *See*—
Severance, William M.

Pyle, Carl A., and C. A. Roulston, Wichita, Kans. Mixer feeder for flour mills. 2,614,817, Oct. 21.

Pyle, Cyrus, New Castle, Del., and J. A. Lane, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous formaldehyde distillation. 2,581,881, Jan. 8.

Pyle, Cyrus, New Castle, Del., and J. A. Lane, Oak Ridge, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Falling-film fractionation. 2,609,334, Sept. 2.

Pyle, Gray L.: *See*—
Minor, Francis W., Sookne, Harris, and Pyle.

Pyle, James J.: *See*—
Nelson, John D., Pyle, and Underwood.

Pyle, James J., Coshocton, Ohio, assignor to General Electric Company. Self-lubricated plastics. 2,600,321, June 10.

Pyle, John V., Briar Cliff Manor, assignor to Kennedy-Van Saum Mfg. & Eng. Corporation, New York, N. Y. Arrangement of air heaters, feed water heaters, and superheaters in steam generators. 2,608,185, Aug. 26.

Pyle, John V., Pleasantville, assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Means to separate water and foreign substances from steam. 2,587,761, Mar. 4.

Pyle National Company, The, assignee: *See*—
Heehler, Arthur C.
Heehler, Arthur C., and McDowell.
McDowell, Thomas E.
Raider, George K.

Pyle, Robert A., Lapeer, Mich. Carburetor. 2,585,171, Feb. 12.

Pyle, Robert A., Lapeer, Mich. Projectile booster. 2,613,604, Oct. 14.

Pyle, Ronald E.: *See*—
Dean, George R., and Pyle.

Pyle, Ross S.: *See*—
Schweighofer, Horst M., Nicholson, and Pyle.
Schweighofer, Horst M., and Pyle.

Pyle, Ross S., assignor to Collins Radio Company, Cedar Rapids, Iowa. Variable sealed condenser. 2,589,134, Mar. 11.

Pyle, William D., and C. E. Kidwell, Indianapolis, Ind. Tractor fifth wheel. 2,619,359, Nov. 25.

Pyne, Roger S., Longmeadow, assignor to Van Norman Company, Springfield, Mass. Apparatus for precision bore grinding. 2,584,499, Feb. 5.

Pyne, Stafford M., Detroit, Mich. Window washer and wiper. 2,587,382, Feb. 26.

Pyrene Manufacturing Company, assignee: *See*—
Bedford, Howard E., and Hall.
Bedford, Howard E., and Mills.
Faulkner, James.
Faulkner, James, and Toth.
Smye, Arthur.

Pyroban Developments Limited, assignee: *See*—
Reece, Michael P.

Pyrotron Development Corporation, assignee: *See*—
Juda, Walter.

Pyzel, Robert, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,596,434, May 13.

Quackenbush, Edward C., Aurora, assignor to American Phenolic Corporation, Chicago, Ill. Monoblock connector. 2,593,182, Apr. 15.

Quadrio, Mario, Como, Italy. Coating especially metallic articles with an ancient green patina. 2,587,216, Feb. 26.

Quaker Oats Company, The, assignee: *See*—
Brown, Lloyd H.
Dunlop, Andrew P., and Stout.
Ernest, Robert H.
Graham, William R., Jr., and Chrisman.
Graham, William R., Jr., Kohler, and Hoover.
Johnson, Ralph H.
Kirk, Douglas.
Korber, Eugene.
Turner, Charles W.
Turner, Charles W., and Reineke.

Quaker Stretcher Company, assignee: *See*—
Unwin, Kenneth J.

Qualitex Societe Dunod et Cie, assignee: *See*—
Dunod, Jean.

Qualitrol Corporation, assignee: *See*—
Ford, George E.

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Focusing device. 2,592,185, Apr. 8.

Quam-Nichols Company, assignee: *See*—
Quam, James P.

Quam, Ranold F., Milwaukee, Wis. Vessel filling valve. 2,590,206, Mar. 25.

Quandro Mining & Equipment Corp., assignee: *See*—
Roe, Jonas L.

Quarles, John P., Huntington, W. Va. Railroad rail spraying apparatus. 2,586,256, Feb. 19.

Quarles, John P., Huntington, W. Va. Pressure spray apparatus. 2,594,992, Apr. 29.

Quarles, Lawrence R.: *See*—
Mann, Alfred K., Mott-Smith, and Quarles.

Quarnstrom, Andrew C., Minneapolis, Minn. Bumper jack and applying the same. 2,608,431, Aug. 26.

Quarnstrom, Bert L., Grosse Pointe Park, Mich. Making tubes. 2,618,845, Nov. 25.

Quartullo, Orpheus F.: *See*—
Camilly, Roger L., and Quartullo.

Quartullo, Orpheus F., Cleveland, Ohio. Gasoline-electric drive for vehicles. 2,589,863, Mar. 18.

Quartullo, Orpheus F., and H. Baade, Cleveland, Ohio, assignors, by mesne assignments, to Westinghouse Electric Corporation. Washing machine. 2,592,330, Apr. 8.

Quattrin, Sante, San Francisco, Calif. Irrigation nozzle. 2,585,346, Feb. 12.

Quayle, Alexander, Oil City, Pa., assignor to United States Steel Company. Torque converter brake control. 2,596,722, May 13.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Stabilizer for lift trucks. 2,614,643, Oct. 21.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet truck. 2,615,677, Oct. 28.

Queel, Fred O., Cresco, Iowa. Saw vise. 2,606,462, Aug. 12.

Queen, Harold E., Berkeley, Calif. Key jack. 2,589,571, Mar. 18.

Queen, Harold E., Berkeley, Calif. Key jack. 2,623,381, Dec. 30.

Quelle, Frederick W., Mount Prospect, assignor to Montgomery Ward & Co., Chicago, Ill. Display device. 2,617,501, Nov. 11.

Quenan, Joseph M., North Hornell, N. Y. Lifting device. 2,587,217, Feb. 26.

Quercia, Marcel, assignee: *See*—
Delattre-Seguy, Jean.

Quercia, Marcel, Paris, France. Yoke for pyrophoric lighters. 2,587,894, Mar. 4.

Quercia, Marcel, Paris, and G. Ferdinand, Nogent, France. Cigar lighter, igniter, and the like. 2,586,380, Feb. 19.

Quest, Arthur E., Lubbock, Tex. Flexible pipe. 2,595,408, May 6.

Quick, Frank P. E., North Plainfield, N. J. Poultry feeder. 2,611,339, Sept. 23.

Quick, Frederick A., Bellerose, assignor to Gregory Motors, Inc., Brooklyn, N. Y. Electric motor. 2,589,959, Mar. 18.

Quick, Jean H.: *See*—
Wilson, Harland D., and Quick.

Quick, Lloyd: *See*—
Burns, Raymond W., and Quick.

Quick, Lloyd, Poughkeepsie, N. Y., assignor to James L. Taylor Manufacturing Company. Glue applying machine for glue presses. 2,588,874, Mar. 11.

Quick, Lloyd, Poughkeepsie, N. Y., assignor to James L. Taylor Manufacturing Company. Continuous gluing press. 2,620,837, Dec. 9.

Quick-Change Carriers, Inc., assignee: *See*—
Barrett, Leon.

Quick-Way Truck Shovel Co., assignee: *See*—
Smith, Luke E.

Quigley, Herbert, Hastings, assignor to National Brass Company, Grand Rapids, Mich. Hinge. 2,585,836, Feb. 12.

Quigley, Herbert, Hastings, assignor to National Brass Company, Grand Rapids, Mich. Operating connection for cylinder locks. 2,620,648, Dec. 9.

Quijada, Louis, Alhambra, Calif. Work turning and threading machine. 2,581,702, Jan. 8.

Quijano, Ecequiel: *See*—
Aja, Sisto, and Quijano.

Quillen, Rutherford R., Cincinnati, Ohio. Clod crusher. 2,595,812, May 6.

Quillinan, Michael J., Bronx, N. Y. Slide rule. 2,597,523, May 20.

Quilter, John R. C., Woking, England. Parachute apparatus. 2,611,565, Sept. 23.

Quimby, Allen, Jr.: *See*—
Quimby, Langdon C. and A.

Quimby, Buzz C., Portland, Oreg. Electrical bingo game board. 2,591,869, Apr. 8.

Quimby, Langdon C., and A. Quimby, Jr., assignors to Bingham Machine and Engineering Company, Bingham, Maine. Method and apparatus for making veneer. 2,603,004, July 15.

Quinn, Bert A., St. Paul, Minn. Resilient strike plate. 2,583,391, Jan. 22.

Quinn, Bert A., St. Paul, Minn. Spring latch. 2,594,582, Apr. 29.

Quinn, Bert A., St. Paul, Minn. Door latch. 2,604,344, July 22.

Quinn, Charles R., Oreland, assignor to Philco Corporation, Philadelphia, Pa. Baffle structure for refrigerators. 2,604,762, July 29.

Quinn, Clive M., Brighton, Victoria, Australia. Low pressure intensifier for hydraulic press operation. 2,618,930, Nov. 25.

Quinn, David H., United States Navy, assignor to Quinn Products, Inc., Boston, Mass. Water purification. 2,595,290, May 6.

Quinn, Edward, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform laying and platform cover turning machine. 2,608,701, Sept. 2.

Quinn, Fred A., Jr., and Max Tryon, Washington, D. C. Bubble blowing device. 2,587,895, Mar. 4.

Quinn, Frederic R., Schenectady, N. Y., assignor to General Electric Company. Resistance materials and elements. 2,609,470, Sept. 2.

Quinn, John S., Chicago, Ill. Lifting edge for folders. 2,586,381, Feb. 19.

Quinn, Joseph G., Schenectady, N. Y., assignor to General Electric Company. Torquemeter. 2,615,332, Oct. 28.

Quinn, Paul J., South Orange, N. J., assignor to Curtiss-Wright Corporation. Aircraft propeller control system. 2,620,883, Dec. 9.

Quinn Products, Inc., assignee: *See*—
Quinn, David H.

Quinn, William H., West Orange, N. J. Milling attachment for lathes. 2,608,909, Sept. 2.

Quintella, Newton D., Rio De Janeiro, Brazil. Manufacturing artificial dentures and semimanufactured dentures to be utilized by same process. 2,596,941, May 13.

Quintilian, Bartholomew F., Baltimore, Md., assignor to Gerotor May Corporation. Hydraulic system, including multiple motors and controls therefor. 2,616,259, Nov. 4.

Quintin, Walter P., Jr.: *See*—
Shields, Charles B., and Quintin.

Quirk, Agnes J., Washington, D. C. Production of penicillin mold and jelly. 2,609,322, Sept. 2.

Quirk, B. G., assignee: *See*—
Narrin, Austin R.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid level gauge for pressure tanks. 2,585,680, Feb. 12.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Floating roof tank gauge. 2,587,525, Feb. 26.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Floating roof tank gauge. 2,587,526, Feb. 26.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Calibrated liquid level gauge. 2,588,875, Mar. 11.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Gauging and sampling batch. 2,588,876, Mar. 11.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Breathing device for storage tanks. 2,591,098, Apr. 1.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid sampler. 2,607,229, Aug. 19.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid sampler. 2,615,340, Oct. 28.

Quist, James D.: *See*—
Curran, Frank M., Geen, and Quist.

R & E Engineering Company, assignee: *See*—
Nowak, Ralph E.

R. G. D. Corporation, The, assignee: *See*—
Ritter, Emil C.

RKO Radio Pictures, Incorporated, assignee: *See*—
Turner, Willard H.

R. O. B. E. S. A., assignee: *See*—
Pellat-Finet, Jean L., and Riffet.

Raab, Regis: *See*—
Engel, Harry C., Raab, and Pajak.

Raab, Regis, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Solidified nonexplosive hydrocarbon and producing same. 2,581,441, Jan. 8.

Raab, Walter, Albany, N. Y. Combined bottle closure, applicator, and liquid dispenser. 2,618,800, Nov. 25.

Raab, Werner J.: *See*—
Couchman, Robert, Jr., and Raab.

Raasch, Arthur J.: *See*—
Brandt, Axel H., and Raasch.

Raasch, Maynard S., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic developers. 2,603,659, July 15.

Raasch, Maynard S., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N(p-aminophenyl)-hexamethyleniminos. 2,612,500, Sept. 30.

Raasch, Paul K., Medina, Ohio. Folding lunch box table. 2,595,883, May 6.

Rabatine, Michael, Streator, Ill. Dividing protractor. 2,611,971, Sept. 30.

Rabb, Hubert J.: *See*—
Branstrator, Wayne P., Rabb, and Mess.

Rabe, Karl, Gmund on Karnten, assignor to Porsche Konstruktionen Ges. m. b. H., Gmund/Karnten, Austria. Cylinder head. 2,584,289, Feb. 5.

Rabe, Rudolf, Inkster, Mich. Cam operated coupling. 2,611,464, Sept. 23.

Rabenda, Edward J.: *See*—
Mills, Albert W., Furman, and Rabenda.

Rabenda, Edward J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Record controlled recording apparatus. 2,620,878, Dec. 9.

Rabenda, Edward J., R. E. Page, and H. S. Beattie, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Alphabet and numeral repeat printing mechanism. 2,602,394, July 8.

Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. High-speed magnetic fluid clutch. 2,622,713, Dec. 23.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Powder train interrupter. 2,586,437, Feb. 19.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Arming cover for fuses. 2,586,861, Feb. 26.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Pressure switch for fuses. 2,596,171, May 13.

Rabinowitz, Irving and M. S., Brooklyn, N. Y. Combined punch and cutter. 2,588,043, Mar. 4.

Rabinowitz, Jacob, Brooklyn, N. Y. Photographic printing apparatus. 2,607,266, Aug. 19.

Rabinowitz, Mildred S.: *See*—
Rabinowitz, Irving and M. S.

Rabkin, William, New York, N. Y. Sound record disk. 2,600,573, June 17.

Rabu, Jules L. M., Grenoble, France. Briqueting combustible materials. 2,618,537, Nov. 18.

Raburn, Louis E., Evansville, Ind., and J. P. Woods, Dallas, Tex., assignors to the United States of America as represented by the Secretary of the Army. Voltage regulator circuit. 2,609,527, Sept. 2.

Raby, James O., Elizabeth City, N. C. Motor vehicle oil level indicator. 2,588,761, Mar. 11.

Race, William J., Franklin Park, assignor to Motorola, Inc., Chicago, Ill. Universally adjustable antenna. 2,582,159, Jan. 8.

Rack, Edward R.: *See*—
Pawelsky, Vernon R., and Rack.

Rackey, Chester A., Crestwood, N. Y., and T. H. Phelan, Maywood, N. J., assignors to Radio Corporation of America. Sound level and sound integrating device. 2,590,460, Mar. 25.

Raczynski, Walter A., Elkton, Md., assignor to Hercules Power Company, Wilmington, Del. Preparation of acrylamide. 2,615,918, Oct. 28.

Radar, Ralph R.: *See*—
Lewis, James P., and Rader.

Radart, John B., Minneapolis, Minn. Portable enclosure. 2,615,209, Oct. 28.

Radcliffe, Milton R., Winchester, Va., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilized vinyl chloride resin films. 2,581,915, Jan. 8.

Radcliffe, Remington S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,620,127, Dec. 2.

Radde, Erich M. H.: *See*—
Forstmann, Walther G. H., Hillmann, and Radde.

Raddin, Harry A.: *See*—
Miller, Henry C. L., and Raddin.

Raddings, James E., Totland Bay, Isle of Wight. Chain and sprocket transmission. 2,620,676, Dec. 9.

Radeke, Walter H., Blue Island, assignor to Poor & Company, Chicago, Ill. Battery cell inspecting and testing system. 2,609,409, Sept. 2.

Rademacher, Lawrence B.: *See*—
Hughes, Arthur V., and Rademacher.

Rader, Ralph R.: *See*—
Lewis, James P., and Rader.

Radey, Charles R., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car end lining arrangement. 2,591,006, Apr. 1.

Radford, Edward E., San Francisco, Calif. Demountable wheel. 2,581,554, Jan. 8.

Radford, Henry, Brooklyn, N. Y. Cooling device for drinks, soups, or the like. 2,591,375, Apr. 1.

Radford, Thomas C., St. Paul, Minn. Roll-away screen. 2,615,513, Oct. 28.

Radi, Lino J., Somerville, N. J., assignor to Interchemical Corporation, New York, N. Y. Butadiene-acrylonitrile copolymer composition containing a resin occurring in Utah resin bearing coal. 2,582,160, Jan. 8.

Radiart Corporation, The, assignee: *See*—
Finke, Theodore R.

Radiator Specialty Company, assignee: *See*—
Meltsner, Harry F.

Radice, Ambrogio, assignor to Ing. S. Immovilli, Milan, Italy. Electric induction motor with totally enclosed liquidproof stator. 2,615,068, Oct. 21.

Radiker, Roosevelt, West Allis, Wis. Fish spear. 2,616,201, Nov. 4.

Radio Corporation of America, assignee: *See*—
Achenbach, John C.
Achenbach, John C., Tourshou, and Mackey.
Adler, Bernard.
Albee, Arthur C.
Albin, Frederick G.
Alexy, Matthew R.
Anderson, Earl I.
Anderson, Leslie J.
Avins, Jack.
Ayres, William R., and Woll.
Bartelson, Sten E.
Barth, Jay E.
Barton, Loy E.
Barton, Loy E., and Werenfels.
Beard, Joseph G., Harralson, and Krelthen.
Beard, Joseph G., and Oman.
Bedford, Alda V.
Bergson, Gustav.
Blaney, Arthur C., and D. L.
Blitz, Daniel.
Blodgett, Edward D., and Lakatos.
Bond, Donald S.
Bond, Donald S., and Thomson.
Bousky, Samuel.
Braden, Rene A.
Breisford, Harlin A.
Brown, George H.
Burns, Leslie L., Jr.
Burns, Leslie L., Jr., and Roberts.
Carlson, Wendell L.
Carson, Benjamin R.
Carter, Philip S.
Castle, Donald H.
Cherry, William H.
Christian, Schuyler M.
Clark, Edwin L.
Cohen, Martin J.
Coleman, John H.
Collins, Milford E.
Conron, William H., and Schneider.
Consalvi, Anthony L., Webber, and Lawrence.
Cook, Frank E.
Cooper, Charles P., and Williamson-Noble.
Corporon, Richard P.
Costello, Edwin J.
Coughlin, Joseph J.
Cuccia, Carmen L.
Daley, Charles W.
Daly, George M.
Darke, Francis J., Jr.
Davis, Lewis H., and Blaker.
Del Valle, Guillermo A.
Denton, Bethel E.
Dimmick, Glenn L., and Widdop.
Dodds, Wellesley J.
Donal, John S., Jr.
Donal, John S., Jr., and Bush.
Donley, Hugh L.
Duncan, Robert K.
Eaton, Thomas T.
Eberhard, Everett.
Elston, George F.
Engel, William T.
Epstein, David W.
Erdman, Charles A., Jr.
Ergen, William K.
Evans, Howard J.
Evans, John E.
Furnett, Horace E.
Faulkner, Richard D., and Bentley.
Fernsler, George L.
Ferris, Warren R.
Fisher, Harold G.
Flory, Leslie E.
Flory, Leslie E., and Pike.
Forgue, Stanley V.
Fortin, Robert C.
Freas, Robert R., Jr.
Fredendall, Gordon L.
Fredendall, Gordon L., and Schroeder.
French, Hubert.
Friedll, Robert, Jr.
Friend, Albert W.
Friend, Albert W., and Harding.
Friend, Albert W., and Nicoll.

Radio Corporation of America, assignee: *See*—Continued.
Fuller, Lawrence C., Jr.
Garner, Lloyd P., and Parker.
Garrahan, Eugene.
Gehman, John B.
Giacoletto, Lawrence J.
Gillespie, Henderson C.
Gluyas, Thomas M., Jr.
Goldberg, Edwin A.
Goldfischer, Lester I.
Goldsmith, Alfred N
Goldstine, Hallan E.
Goodrich, Hunter C., Jr.
Gossick, Ben R.
Graham, George K.
Grantham, Virgil M.
Gray, George W.
Greenleaf, Francis D.
Greig, Harold G.
Grimm, Albert C.
Grimm, Albert C., and Sweet.
Grisdale, George L.
Grosdoff, Igor E.
Grundmann, Gustave L.
Guanella, Gustav.
Gulnac, Howard D.
Gunby, Olin B.
Hanchett, George D., Jr.
Hansel, Clarence W.
Hansell, Clarence W.
Hansell, Clarence W., and Lindenblad.
Hart, Stephen V.
Harvy, Robert L.
Hathaway, Jarrett L., and Petit.
Haun, Arnold H.
Haynes, Harold E.
Hecking, Theodore W.
Herbst, Philip J.
Herold, Edward W.
Hershberger, William D.
Hofberg, Alf H.
Hoover, Merle V.
Houghton, William D.
Iams, Harley.
Isom, Warren R.
Isom, Warren R., and Andrews.
Jacobi, Thomas E., and Gensel.
Jenny, Dietrich A.
Jensen, Arthur S.
Johnson, Edward O.
Johnson, Edward O., and Webster.
Kahn, Leonard R.
Kahn, Leonard R., and Lyons.
Kelzer, Eugene O.
Kelzer, Eugene O., and Landon.
Kell, Ray D.
Kellogg, Edward W.
Kellogg, Edward W., and Isom.
Kettler, Alfred H.
Kihn, Harry.
Kihn, Harry, and Wentworth.
Kilgore, George R.
Kissinger, Robert W., and Faulkner.
Knight, Mark B.
Koch, Winfield R.
Konick, Arthur E., and Hjorth.
Korman, Nathaniel I.
Koros, Leslie L.
Kurshan, Jerome.
Kurshan, Jerome, and Smith.
Landon, Vernon D.
Landon, Vernon D., Harvey, and Keizer.
Larach, Simon.
Law, Harold B.
Law, Russell R.
Law, Russell R., and Norman.
Law, Russell R., and Pensak.
Lawrence, Howard C., and Yewdall.
Lazzery, Angelo G.
Lemesbka, Milton B.
Liberg, Edwin R.
Lindenblad, Nils E.
Linder, Ernest G.
Little, Ralph V., Jr., and Evans.
Lockhart, Robert K.
Longo, John, Tourshou, and Lewis.
Luck, David G. C.
Lyons, Walter.
Lysak, John.
Mackey, Donald.
Mackey, Donald, and Lazzery.
MacKimmie, George B.
MacSorley, Olin L.
Magnusson, Knut J.
Malter, Louis.
Malter, Louis, and Johnson.
Markoski, John A.
Masterson, Earl E.
McLaughlin, Kenneth M.
Megaw, Eric C. S.
Mendelson, Hans.

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Radio Corporation of America, assignee: *See*—Continued.
Mesner, Max H.
Miller, William A.
Millspaugh, Frederick W., and Kozanowski.
Moffett, Le Roy.
Moore, Arnold R.
Moore, Raymond P., Jr., and Eberhard.
Moore, Robert S.
Morgan, Adolph R.
Morrell, Leon C.
Morrison, Howard L.
Mortley, Wilfrid S.
Murakami, Tomomi.
Nelson, Herbert.
Nelson, Morris D.
Nergaard, Leon S.
Norton, Lowell E.
Olden, Roger G.
O'Mahony, Eugene D., and Humfeld.
Pan, Wen Y.
Paré, Victor T.
Parker, William N.
Pauch, John E.
Pensak, Louis.
Pessel, Leopold.
Peter, Rolf W.
Pettus, James L.
Picard, Robert G.
Pike, Winthrop S.
Pond, Wallace A.
Post, Donald B.
Potter, Louis E.
Power, Donnell W.
Pritchard, Dalton H.
Purington, Ellison S.
Rackey, Chester A., and Phelan.
Rajchman, Jan A.
Ramberg, Edward G.
Rettinger, Michael.
Roberts, Walter van B.
Robinson, Harris A., and MacSorley.
Rogers, Gordon F.
Rose, Albert.
Rosenberg, Milton, and Rajchman.
Rosenthal, Fritz.
Ruedy, John E., and Williams.
Rust, Nöel M., and Gregory.
Rust, Noël M., and Partington.
Rust, Noël M., Partington, Plaistowe, and Fewings.
Sachtleben, Lawrence T.
Sands, William F.
Sass, Earl J., and Mackey.
Schade, Otto H.
Schelling, Thomas H.
Schlesinger, Kurt.
Schroeder, Alfred C.
Schroeder, Alfred C., and Szlklai.
Seright, Carl G., and Baker.
Serrell, Robert.
Serrell, Robert, and Goldberg.
Seybold, Arthur M.
Shenk, Eugene R., and Liguori.
Shulman, Carl I., and Kilgore.
Shumard, Charles C.
Singer, Kurt.
Sinnett, Chester M., and Belar.
Smith, Arthur L. J.
Smith, John P.
Smith, Lloyd P.
Snyder, Richard F., and Lee.
Snyder, Richard L., Jr.
Sohon, Harry, and Jacobs.
Somers, Frank J.
Sontheimer, Carl G.
Spencer, James A., and Liberg.
Sperber, Edward J.
Sproull, Robert L.
Starner, Charles J.
Stelmak, John P.
Stickler, John J.
Stinchfield, John M.
Stocker, Arthur C.
Stolze, William J.
Szlklai, George C.
Szlklai, George C., and Bedford.
Szlklai, George C., and Darke.
Thompson, Harry C.
Thomson, Francis X.
Tolson, William A.
Torre, Alton J.
Tourshou, Simeon I., and Wolcott.
Trevor, Bertram.
Tricebock, Donald J., and York.
Ulrich, Robert E.
Usselman, George L.
Vilkomerson, Benjamin S.
Vols, Philip E.
Wallmark, John T.
Webb, Richard C.
Webster, William M., Johnson, and Malter.
Webster, William M., Jr.
Webster, William M., Jr., and Bain.

Radio Corporation of America, assignee: *See*—Continued.
Weimer, Paul K.
Weingarten, Morris R.
Wendt, Karl R.
Wendt, Karl R., and Sziklai.
Westwood, David H.
Wheeler, Benjamin F., and Mathwich.
Wilkinson, William C., Jr.
Williams, Gurdon H.
Willman, Richard C.
Wolf, Lester J.
Wolff, Irving.
Woodward, Oakley M., Jr.
Yavitch, Jacob.
Yearsley, John W.
Young, Charles J.
Yung, Ashun, and Lowden.
Zappacosta, Amedeo D.
Zworykin, Vladimir K., and Flory.

Radiodiffusion Francaise, assignee: *See*—
Chamagne, Emile, and Charbonnier.

Radio Frequency Laboratories, Inc., assignee: *See*—
Gilbert, Everett A.
Yonkers, William A.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav, and Guttinger.
Lappin, Lester S.

Radio-Television Institute, Inc., assignee: *See*—
Lindley, Frederick A., and Arbuckle.

Rado, John A., Nutley, N. J., assignor to Haseltine Research, Inc., Chicago, Ill. Tunable wave signal device. 2,593,183, Apr. 15.

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Generator control. 2,616,054, Oct. 28.

Raehrs, Emery C., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Broaching machine. 2,587,896, Mar. 4.

Raetsch, Bruno A.: *See*—
Barber, Robert R., Powell, and Raetsch.

Raff, Rudolf A. V., and G. H. Tomlinson, Jr., Cornwall, Ontario, assignors to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Oxidized alkali lignin as a rubber reinforcing agent. 2,610,954, Sept. 16.

Raffer, Stanley M.: *See*—
Silverman, Henry S., Raffer and Oberheim.

Rafferty, Clarence J., Memphis, Tenn., assignor to International Harvester Company. Tractor implement. 2,603,138, July 15.

Rafter, John R.: *See*—
Carr, Edward L., and Rafter.

Rafuse, Irad S., Glen Head, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling device. 2,589,135, Mar. 11.

Ragan, George L.: *See*—
Lawson, James L., Kratz, and Ragan.

Ragan, George L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio-frequency power divider circuit. 2,605,356, July 29.

Ragan, Ralph, Atlanta, Ga. Spinning, twisting, and like apparatus. 2,596,172, May 13.

Ragan, Ralph, Atlanta, Ga. Spinning, twisting, and like apparatus. 2,610,461, Sept. 16.

Ragan, Thomas M.: *See*—
Baker, Rueben C., and Ragan.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Plug catcher and indicator. 2,591,603, Apr. 1.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drill stem testing device. 2,582,718, Jan. 15.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pulsation dampener. 2,583,231, Jan. 22.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling fluid for use in well-boring operations. 2,607,730, Aug. 19.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pressure gauge attaching device for portable service. 2,618,978, Nov. 25.

Ragusa, Ross A., Alton, Ill. Oiling device. 2,601,557, June 24.

Ragusan, James J., Brooklyn, assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Distributor means for pulverized fuel burners. 2,615,407, Oct. 28.

Rahaim, Peter A., Gardner, Mass. Making improved dowel stock and dowel pins. 2,612,195, Sept. 30.

Rahal, Fred L., North East, Pa. Strawberry capping machine. 2,601,055, June 17.

Rahlson, Erich, Des Moines, Iowa. Moving and distributing free flowing materials. 2,618,374, Nov. 18.

Rahlson, Erich, Des Moines, Iowa. Head section for elevating machinery. 2,618,375, Nov. 18.

Rahn, Ivan J.: *See*—
Rahn, Rudolph J. and I. J.

Rahn, James J.: *See*—
White, Compton, I., Jr., Young, Pederson, and Rahn.

Rahn, Orval W., assignor to Patent License Corporation, Chicago, Ill. Electrically conductive luggage rack having adjustable lighting fixtures. 2,622,189, Dec. 16.

Rahn, Otto, Ithaca, N. Y. Sterilization of salted foods and materials. 2,594,213, Apr. 22.

Rahn, Rudolph J., Dayton, Ohio. Alarm control for alarm clocks. 2,584,920, Feb. 5.

Rahn, Rudolph J. and I. J., Dayton, Ohio. Angle block and manufacture. 2,601,630, June 24.

Rahr, William, assignor to J. W. Steckbauer, Manitowoc, Wis. Toaster. 2,597,127, May 20.

Rahrer, Gerald D.: *See*—
Day, Maurice J., and Rahrer.

Raibourn, Paul, Southport, Conn. Photographic processing. 2,612,447, Sept. 30.

Raichle, Ludwig, and G. Schulze, Ludwigshafen-on-the-Rhine, Germany. Thrust balancing for vertical shafts. 2,605,147, July 29.

Raider, George K., assignor to The Pyle-National Company, Chicago, Ill. System for uniform distribution of ventilating air and sound energy. 2,580,835, Jan. 1.

Railroad Accessories Corporation, assignee: *See*—
Brown, Harold J., and Lavarack.
Lavarack, Frederick C.

Railroad Products Company, assignee: *See*—
McGarry, James W., and Eads.

Railsback, Darrell C., Phillips, Tex., assignor to Phillips Petroleum Company. Producing finely divided sulfur. 2,614,908, Oct. 21.

Raimond, William A.: *See*—
McSheehy, Justin A., and Raimond.

Rain-Beau Products Company, assignee: *See*—
Whitby, Evelyn L.

Raine, Russell W., Coral Gables, and P. G. Sutker, Miami Beach, Fla. Auxiliary elevator control apparatus. 2,606,217, Aug. 5.

Raines, Albin H., and G. E. Baile, Tulsa, Okla. Night light and bottle warmer. 2,604,573, July 22.

Raines, Charles C., assignor to Rainhart Company, Austin, Tex. Flexible and extensible membrane. 2,606,442, Aug. 12.

Raines, J. H., assignee: *See*—
Hudson, Clifford C.

Raines, Ruth A., Los Angeles, Calif.; now by decree of court, R. A. Gibbons. Child's food placer. 2,602,686, July 8.

Rainey Accounting Machine Company, Inc., assignee: *See*—
Rainey, Clifton K.

Rainey, Clifton K., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Front feed carriage for typing, printing, and computing machines. 2,598,939, June 3.

Rainey, Earl C., Crittenden County, Ark. Electric plant thinning apparatus. 2,607,165, Aug. 19.

Rainey, Perry H., Opa-Locka, Fla. Fishing lure. 2,587,218, Feb. 26.

Rainhart Company, assignee: *See*—
Raines, Charles C.

Rainier, Maurice N., Los Angeles, Calif. Conveyor. 2,619,916, Dec. 2.

Rainwater, John E., assignor of one-half to H. J. Hedgepeth, Cedartown, Ga. Meter base spreader. 2,589,572, Mar. 18.

Raising, John, Richmond Hill, N. Y. Vegetable and flower marker. 2,602,250, July 8.

Rajchman, Jan A.: *See*—
Rosenberg, Milton, and Rajchman.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Indicating frequency by resonance of charged particles. 2,598,301, May 27.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Target for storage tubes. 2,604,606, July 22.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Post-deflected color kinescope. 2,619,608, Nov. 25.

Rajfora, Vaclav, Paris, France. Electric furnace. 2,599,779, June 10.

Rakas, Nicholas J., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile armrest. 2,581,203, Jan. 1.

Rakatansky, Ira, Providence, R. I. Reversible chair. 2,602,491, July 8.

Rakos, Jules J., Beyoglu-Istanbul, Turkey. Fireproofing compositions. 2,593,400, Apr. 22.

Rakowski, Paul B., Jr., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Explosive rivet gun tip assembly. 2,581,815, Jan. 8.

Raleigh, Delbert S., Reno, Nev. Wick type vaporizer. 2,609,230, Sept. 2.

Raleigh, James F., River Forest, assignor to Underwood Electric & Mfg. Co., Inc., Chicago, Ill. Circuit breaker. 2,619,564, Nov. 25.

Raley, John H.: *See*—
Cheney, Harry A., and Raley.

Raley, John H., Walnut Creek, assignor to Shell Development Company, San Francisco, Calif. Separation of hydrogen halides from olefinically unsaturated compounds. 2,615,791, Oct. 28.

Rall, Wilfrid: *See*—
Shaw, Albert E., and Rall.

Ralph, Stuart H., assignee: *See*—
Hopkins, Daniel M.

Ralston, Anderson W., and R. J. Vander Wal, Chicago, and J. Harwood, Western Springs, assignors to Armour and Company, Chicago, Ill. Polyamides. 2,617,813, Nov. 11.

Ralston, Arthur R., Kansas City, Mo. Seam ripper. 2,619,722, Dec. 2.

Ralston, George, Wilkinsburg, Pa., and E. C. Goggio, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Crystal oscillator ultramicrometer. 2,611,020, Sept. 16.

Ralston, Glenn S., assignor to Servisoft, Inc., Rockford, Ill. Apparatus for water treatment. 2,589,136, Mar. 11.

Ralston, John D., Indianapolis, Ind. Valve. 2,619,116, Nov. 25.

Ralston, Nancy L., Seattle, Wash. Hair curler. 2,619,094, Nov. 25.

Ralston Purina Company, assignee: *See*—
Hale, Douglas, and Carpenter.

Ram, Inc., assignee: *See*—
Blackburn, Andrew R., and Steele.

Ramage, William H., Memphis, Tenn. Mattress and making same. 2,615,179, Oct. 28.

Ramberg, Edward G., Feasterville, Pa., assignor to Radio Corporation of America. Method of and apparatus for making electron-micrographs of opaque metallographic specimens. 2,614,223, Oct. 14.

Rambert, Raymond L.: *See*—
Meyer, Jean G. A. M. J., and Rambert.

Rambold, Adolf G. F., Stuttgart-Feuerbach, Germany, assignor to Teepack Spezialmaschinen G. m. b. H., Viersen/Rhld. (Germany). Folded bag. 2,593,608, Apr. 22.

Ramclow, Axel, assignor to Mills Industries, Incorporated, Chicago, Ill. Refrigeration compressor. 2,622,788, Dec. 23.

Ramclow, Axel E., assignor to Mills Industries, Incorporated, Chicago, Ill. Compressor intake valve. 2,622,792, Dec. 23.

Ramey, John C., Waynesburg, Ky. Providing an object with wheels and axles. 2,598,831, June 3.

Ramey, John W., Lexington, Ky. Toolholder. 2,604,738, July 29.

Ramey, Robert A., and W. Soller, Cincinnati, Ohio. Apparatus for measuring velocity. 2,608,860, Sept. 2.

Ramhøj, Richard, Copenhagen, Denmark. Key controlled cylinder lock. 2,621,510, Dec. 16.

Ramm, Walter, Tulsa, Okla. Thickness planer jointer attachment. 2,603,254, July 15.

Ramming, John, Machine Company, assignee: *See*—
Barnes, Tracy W.

Ramondt, Dirk, Bloemendaal, assignor to N. V. Octrooien Maatschappij "Activit," Amsterdam, Netherlands. Phenylene diamine-formaldehyde resin preparation. 2,582,849, Jan. 15.

Rampin, Jean, Ecully, assignor to Societe Rhodiaceta, Paris, France. Dyeing articles made of acrylonitrile polymers. 2,622,959, Dec. 23.

Ramsay, Adelside H.: *See*—
Ramsay, Samuel R. and A. H.

Ramsay, John F., Chelmsford, and J. D. Peat, Great Baddow, assignors to Marconi's Wireless Telegraph Company Limited, London, England. Radio aerial system. 2,622,199, Dec. 16.

Ramsay, Samuel R. and A. H., Santa Cruz, Calif. Automatic roll control for ships or the like. 2,590,207, Mar. 25.

Ramsbottom, John M., Chicago, Ill., S. R. Grinstead, Whiting, Ind., and K. D. Aalseth, Downers Grove, assignors to Swift & Company, Chicago, Ill. Packaging (vacuum) meat items. 2,621,129, Dec. 9.

Ramsden, Hugh E.: *See*—
Church, James M., Johnson, and Ramsden.

Ramsel, Charles A.: *See*—
Risk, Norman E., Ramsel, and Williams.

Ramsey, Bernice G., assignee: *See*—
Simpkins, George.

Ramsey Corporation, assignee: *See*—
Marien, Charles A.
Marien, Melvin W.
Sundberg, Gustave L., and Marien.

Ramsey, George H.: *See*—
Sewell, Ben W., and Ramsey.

Ramsey, George H., Tulsa, Okla., assignor to Standard Oil Development Company. Oil well formation tester. 2,582,719, Jan. 15.

Ramsey, James C., Lincoln, N. Mex. Arrowhead. 2,589,137, Mar. 11.

Ramsey, Joseph D., assignee: *See*—
Adams, Harry D.

Ramsey, Juanita G., Washington, D. C. Compartmented case having interengageable closures. 2,584,048, Jan. 29.

Ramsey, Justin H., Allendale, N. J. Vulcanizing apparatus. 2,603,834, July 22.

Ramsey, Thomas B., and E. S. Gray, Dayton, Ohio. Door controller. 2,595,291, May 6.

Ramsey, Wynne T., assignee: *See*—
Simpkins, George.

Ranby, Peter W.: *See*—
McKeag, Alfred H., and Ranby.

Ranby, Peter W., assignor to Thorn Electrical Industries Limited, London, England. Titanium activated barium pyrophosphate phosphor. 2,596,509, May 13.

Ranco Incorporated, assignee: *See*—
Kumler, Joseph E.
Raney, Eldon D.

Rand, Cecil H., and C. G. Aycock, Fremont, N. C. Valve for fire-extinguishing system. 2,601,900, July 1.

Rand, H. J., Washing Machine Corp., assignee: *See*—
Rand, Henry J.

Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Water system protection for vacuum type washing. 2,584,290, Feb. 5.

Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Pulsator washer with vacuum drying. 2,584,291, Feb. 5.

Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Washing machine. 2,599,483, June 3.

Rand, Henry J., Westport, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio. Washing machine having a nonrigid container. 2,596,791, May 13.

Randall, Benno D., Boston, Mass. Impression-taking in relining dentures. 2,617,193, Nov. 11.

Randall, Clark C., Oak Park, Ill. Crankcase scavenger. 2,580,594, Jan. 1.

Randall, Clinton, Lyndonville, Vt. Hay harvester and loading press. 2,622,386, Dec. 23.

Randall Corporation, assignee: *See*—
Schukraft, John W.

Randall, Cyril E., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Device for protecting polyphase circuits. 2,581,882, Jan. 8.

Randall, David I.: *See*—
Buc, Saul R., and Randall.
Solonen, Nicholas W., and Randall.

Randall, David G., Kenley, England. Fractional distillation apparatus. 2,608,387, Aug. 26.

Randall, David I., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Chloromethyl derivatives of pyrazoleanthrone-benzanthrones. 2,619,487, Nov. 25.

Randall, David I., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Soluble onium salts of halogenmethylated dibenzanthronyls. 2,619,492, Nov. 25.

Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing 3-halo-9-phthalimidomethyl benzanthrone. 2,584,367, Feb. 5.

Randall, David I., and S. R. Buc, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing 3-phthalimidomethyl benzanthrone. 2,584,368, Feb. 5.

Randall, David I., and C. M. Smith, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Soluble onium salts of halogenmethylated thioindigos. 2,585,497, Feb. 12.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Antigas fading anthraquinone dyes. 2,585,681, Feb. 12.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone dyestuff for wool. 2,585,682, Feb. 12.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone dyes. 2,612,507, Sept. 30.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone dyestuff for wool. 2,615,021, Oct. 21.

Randall, Earl A., North Kansas City, Mo. Igniting device. 2,592,951, Apr. 15.

Randall, Elwin E., assignor to Servall Products, Inc., Grand Rapids, Mich. Venetian blind, including vertical tapes and means for twisting the upper and lower ends of tapes independently. 2,611,426, Sept. 23.

Randall Graphite Products Corporation, assignee: *See*—
Whiteley, Robert H.

Randall, Harold O.: *See*—
Goodbar, Mayo A., Green, and Randall.

Randall, Horace, Pawtucket, R. I., assignor to The H. M. H. Co. Devotional package. 2,598,070, May 27.

Randall, John W., assignor to John Dickinson & Co. Limited, Hemel Hempstead, England. Apparatus for feeding carbon interleaved sheets to typewriters and like imprinting machines. 2,590,037, Mar. 18.

Randall, John W., assignor to John Dickinson & Co. Limited, Hemel Hempstead, England. Carbon sheet arrangement for use with continuous stationery. 2,590,038, Mar. 18.

Randall, Norman B., trustee, assignee: *See*—
Randall, Norman B.

Randall, Norman B., assignor to R. C. Draughon and N. B. Randall, Tacoma, Wash., as trustees. Concrete molding machine. 2,582,161, Jan. 8.

Randall, Ross D.: *See*—
Collins, Arthur R., Ryder, and Randall.
Ryder, Frank A., and Randall.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pulp molding die. 2,600,265, June 10.

Randazzo, Charles: *See*—
Lindsay, Robert M., and Randazzo.

Randell, Glenn E., Woodlake, assignor of one-half to L. H. Lee, Upland, Calif. Spraying apparatus. 2,610,088, Sept. 9.

Randell, William, Chicago, Ill. Ice-making machine. 2,602,304, July 8.

Randels, Robert B., assignor to Corning Glass Works, Corning, N. Y. Glass severing method and apparatus. 2,607,169, Aug. 19.

Randick, Herman, Chicago, Ill. Brake mechanism for casting reels. 2,581,555, Jan. 8.

Randlett, Herbert E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Purification and separation of gaseous mixtures. 2,615,787, Oct. 28.

Randol, Glenn T., Detroit, Mich. Automotive power-transmitting system and mechanism. 2,597,840, May 20.

Randol, Glenn T., Fort Lauderdale, Fla. Control valve means for fluid-actuated servomotors. 2,590,888, Apr. 1.

Randol, Glenn T., Fort Lauderdale, Fla. Fluid-actuated servomotor control valve system. 2,592,600, Apr. 15.

Randol, Glenn T., Fort Lauderdale, Fla. Fluid actuated servomotor control syatem. 2,602,428, July 8.

Randol, Glenn T., Fort Lauderdale, Fla. Automotive transmission control. 2,617,310, Nov. 11.

Randol, Glenn T., Fort Lauderdale, Fla. Automotive transmission control. 2,617,316, Nov. 11.

Randol, Glenn T., Mountain Lake Park, Md. Shift-lever controlled automotive clutch. Re. 23,473, Mar. 18.

Randol, Glenn T., Mountain Lake Park, Md. Automotive power drive control system and mechanism. Re. 23,562, Oct. 7.

Randol, Glenn T., Muncie, Ind. Fluid actuated motor control valving. 2,590,122, Mar. 25.

Randol, Glenn T., St. Louis, Mo. Preselective transmission control. 2,581,291, Jan. 1.

Randol, Glenn T., St. Louis, Mo. Fluid pressure actuated motor and control system therefor. 2,585,837, Feb. 12.

Randol, Glenn T., St. Louis, Mo. Automotive variable-speed and drive power transmission. 2,585,964, Feb. 19.

Randol, Glenn T., St. Louis, Mo. Automotive power drive control system and mechanism. 2,599,525, June 3.

Randol, Glenn T., St. Louis, Mo. Automotive power drive control system and mechanism. 2,604,963, July 29.

Randol, Glenn T., St. Louis, Mo. Automotive power transmission control. 2,610,521, Sept. 16.

Randol, Glenn T., St. Louis, Mo. Automotive power drive control system and mechanism. 2,612,247, Sept. 30.

Randol, Glenn T., St. Louis, Mo. Automotive variable-drive power transmission. 2,616,535, Nov. 4.

Randolph, James E., Edinburgh, Scotland. Vaporizing device for disinfectants and the like. 2,595,982, May 6.

Randolph, John, Mexia, Tex. Resiliently mounted vehicle seat. 2,601,886, July 1.

Rane, Leo, Brookline, Mass. Stopper for flasks. 2,603,218, July 15.

Raney, Edwin A., Pittsfield, Mass., assignor to General Electric Company. Apparatus for affixing conducting tap straps to paper mounting strips. 2,600,322, June 10.

Raney, Edwin A., Pittsfield, Mass., assignor to General Electric Company. Affixing conducting tap straps to a paper mounting strip. 2,601,005, June 17.

Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Adjustable control mechanism. 2,595,813, May 6.

Raney, Estel C., Delaware, assignor to Ranco Incorporated, Columbus, Ohio. Control valve. 2,602,593, July 8.

Raney, Russell R.: *See*—
Hitchcock, Rex B., and Raney.

Raney, William E., Cleveland, Ohio. Drill grinder. 2,596,916, May 13.

Range, Alan L., and E. Thorpe, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Vehicle detecting arrangement suitable for use in traffic control systems. 2,603,703, July 15.

Ranger, Richard H., United States Army. Radio range device. 2,580,462, Jan. 1.

Ranger, Richard H., United States Army, Newark, N. J. Radio system. 2,603,777, July 15.

Rank, Richard L., St. Louis, Mo. Clip for garments or the like. 2,598,600, May 27.

Rankin, Donald H., Long Beach, and C. E. Little, North Hollywood, assignors to American Pipe and Construction Co., South Gate, Calif. Molding tubular concrete articles. 2,614,312, Oct. 21.

Rankin, Robert C., Seattle, Wash. Delineator for determining the length and end form of connecting pipes. 2,615,255, Oct. 28.

Rankine, Alexander O., assignee: *See*—
Japolsky, Nicholas S.

Ranks, John E., Syracuse, N. Y., assignor to General Electric Company. Pulse delay circuit. 2,612,605, Sept. 30.

Ranney, Herbert H., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Thread-cutting mechanism. 2,596,723, May 13.

Ranney, Herbert H., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Wear-compensating spindle head. 2,609,252, Sept. 2.

Ranney, Neil J., Mentor Township, Lake County, assignor to Wean Equipment Corporation, Cleveland, Ohio. Apparatus for the multiple coiling of slit metal strips. 2,594,800, Apr. 29.

Ranney, Neil J., assignor to Wean Equipment Corporation, Euclid, Ohio. Method of and apparatus for handling slit coils. 2,617,353, Nov. 11.

Ranney, Percival K., Lakewood, Ohio. Apparatus for and system of gaseous tube lighting. 2,585,963, Feb. 19.

Ranney Method Water Supplies, Inc., assignee: *See*—
Slitch, Eugene W., and d'Audiffret.

Ransburg Electro-Coating Corp., assignee: *See*—
Miller, Emery P.

Ransdall, Ralph A., San Francisco, Calif. Undercutting earth auger. 2,613,063, Oct. 7.

Ranseen, Mauritz C., Minneapolis, Minn. Card supporting device. 2,600,429, June 17.

Ransler, Harold, assignee: *See*—
Sherwood, Henry A.

Ransley, Charles E.: *See*—
Brittain, Francis H., Ransley, and Ryde.

Ransohoff, N., Inc., assignee: *See*—
Ransohoff, Nathan.

Ransohoff, N., Incorporated, assignee: *See*—
Ransohoff, Nathan.

Ransohoff, Nathan, assignor to N. Ransohoff, Incorporated, Cincinnati, Ohio. Sequential batch treating apparatus. 2,585,838, Feb. 12.

Ransohoff, Nathan, assignor to N. Ransohoff, Incorporated, Cincinnati, Ohio. Centrifugal pump housing. 2,618,223, Nov. 18.

Ransohoff, Nathan, Cincinnati, assignor to N. Ransohoff, Inc., Elmwood, Ohio. Apparatus for treating metal parts with liquid. 2,618,283, Nov. 18.

Ransom, David H., Pines Lake, and F. Benjamin, Fair Lawn, N. J., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Battery charging system. 2,607,910, Aug. 19.

Ransom, Maurice R., Torrance, and A. H. Kurlioff, Escondido, Calif., assignors to the United States of America as represented by the Secretary of the Air Force. Electric ammunition assist feeder control. 2,608,133, Aug. 26.

Ransom, Russell A., Houston, Tex. Inside pipe cutter. 2,622,679, Dec. 23.

Ransom, Willard G., Homewood, Kans. Brake. 2,615,536, Oct. 28.

Ransome, Mae K., conservator: *See*—
Ransome, Stafford M.

Ransome and Marles Bearing Company Limited, assignee: *See*—
Hickling, Frederick O.

Ransome, Stafford G., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch actuator. 2,612,368, Sept. 30.

Ransome, Stafford M., incompetent, by M. K. Ransome, conservator, assignor to Barber-Colman Company, Rockford, Ill. Automatic cutter sharpening machine. 2,600,323, June 10.

Ransomes, Sims & Jefferies, Limited, assignee: *See*—
Dyer, Frederic T., and Revett.

Ranson, Lloyd R., Shaker Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Retarded electromagnet. 2,605,327, July 29.

Ranz, Frank S., Blue Ash, Ohio. Automatic beverage maker. 2,615,384, Oct. 28.

Raout, Jean, Paris, France. Gauge for internal tapered threads. 2,622,336, Dec. 23.

Rapaport Brothers, Inc., assignee: *See*—
Pudark, Arthur, and Rapaport.

Rapaport, Herman: *See*—
Pudark, Arthur, and Rapaport.

Rapatz, Franz, Kapfenberg, assignor to Gebr. Böhler & Co. Aktiengesellschaft, Vienna, Austria. Nitrogen containing steels with high creep resistance and high tensile strength at elevated temperatures. 2,603,562, July 15.

Raper, John R., and R. E. Zirkle, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,596,080, May 6.

Raper, Richard, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Precipitator collecting electrode. 2,602,519, July 8.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Sectional housing construction and support means therefor. 2,601,056, June 17.

Rapisarda, Joseph A., Springfield, Mass. Locking bobby pin. 2,613,680, Oct. 14.

Rapp, George M., New Haven, Conn., assignor to J. B. Pierce Foundation, New York, N. Y. Building construction and structural units therefor. 2,590,123, Mar. 25.

Rapp, Gustav W.: *See*—
Richardson, Garwood C., and Rapp.

Rapp, Earl J.: *See*—
Coon, Harold R., Sr., and Rapp.

Rapp, Earl J., and H. R. Coon, Sr., assignors to Lynch Package Machinery Corporation, Toledo, Ohio. Sheet feeder mechanism. 2,592,822, Apr. 15.

Rappaport, Maurice B., Brookline, assignor to Sanborn Company, Cambridge, Mass. Fluid pressure measuring apparatus. 2,600,324, June 10.

Rappaport, Sigmund, and J. C. Petrea, assignors to Wright Machinery Company, Durham, N. C. Buoyancy scale. 2,597,949, May 27.

Rappl, Anton: *See*—
Olshei, John R., and Rappl.

Rappl, Anton, deceased, Eggertsville, N. Y., by Trico Products Corporation, Buffalo, N. Y., assignee. Windshield wiper mechanism. Re. 23,580, Nov. 11.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Vehicle door panel structure. 2,582,394, Jan. 15.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system for motor vehicles. 2,583,120, Jan. 22.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Control system for motor vehicle window operators. 2,585,587, Feb. 12.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Convertible top mechanism. 2,594,494, Apr. 29.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system. 2,597,672, May 20.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing system. 2,598,801, May 27.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Suction accessory system and crankcase ventilator. 2,603,944, July 22.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Piston packing ring for lubrication. 2,606,086, Aug. 5.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Fuel system. 2,606,543, Aug. 12.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory control system. 2,609,665, Sept. 9.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,611,148, Sept. 23.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle accessory system. 2,617,136, Nov. 11.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper blade connector. 2,620,505, Dec. 9.

Rappl, Anton, Eggertsville, and A. C. Scinta, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield wiper attaching clip. 2,618,805, Nov. 25.

Rappleyea, Frederick A.: *See*—
Tucker, George G., Jr., and Rappleyea.

Rapson, William H.: *See*—
Wayman, Morris, and Rapson.

Rapson, William H., Hawkesbury, Ontario, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Bleaching wood pulp. 2,587,064, Feb. 26.

Raptis, Nicholas J., Gary, Ind. Adjustable brush and brush handle. 2,581,141, Jan. 1.

Rapuano, Anthony D.: *See*—
Versoy, Irving R., and Rapuano.

Rapuano, Anthony D., New Haven, assignor to Robertshaw-Fulton Controls Company, Bridgeport, Conn. Automatic temperature control for regulating motor-driven fans. 2,586,992, Feb. 26.

Ras, Max, Zurich, Switzerland. Fountain interrupter. 2,586,382, Feb. 19.

Ras, Max, Zurich, Switzerland. Water atomizer for damping the cylinders in offset printing machines. 2,586,480, Feb. 19.

Ras, Max, Zurich, Switzerland. Cylinder dampener for offset-printing machines. 2,590,429, Mar. 25.

Ras, Max, Zurich, Switzerland. Roller trip for printing machines. 2,594,214, Apr. 22.

Rasch, Louis E., Brainerd, Minn. Fish lure. 2,590,461, Mar. 25.

Raschig, Dr. F., G. m. b. H., assignee: *See*—
Mathes, Wilhelm, and Sauermilch.

Raschkind, Joshua, Forest Hills, N. Y. Adjustable twin eyecup set. 2,600,920, June 17.

Rasero, Lawrence J., assignor to The Russell Manufacturing Company, Middletown, Conn. Ladder tape. 2,590,889, Apr. 1.

Rasini, Aldo R., Rosario, Argentina. Time interrupter for electric apparatus. 2,585,839, Feb. 12.

Rask, Gust S., Duluth, Minn. Deflector for continuous mill. 2,610,533, Sept. 16.

Raskin, Joseph, Brooklyn, N. Y. Doorframe. 2,589,864, Mar. 18.

Rasmus, Edward: *See*—
Rasmus, Julius and E.

Rasmus, Julius, Edgemere, and E. Rasmus, Far Rockaway, assignors to Case Vent Inc., Brooklyn, N. Y. Window ventilation device. 2,604,839, July 29.

Rasmusen, Reidar P. C.: *See*—
Carpenter, Otis R., Armstrong, and Rasmusen.

Rasmussen, Christian O., assignor to Simplex, Copenhagen, Denmark. Washing machine. 2,591,290, Apr. 1.

Rasmussen, Christian O., Copenhagen, Denmark. Plant for drying of solid materials. 2,610,412, Sept. 16.

Rasmussen, Christian O., assignor to Simplex, Copenhagen, Denmark. Washing or drying machine. 2,620,644, Dec. 9.

Rasmussen, Clarence R.: *See*—
Eger, Edward F., and Rasmussen.

Rasmussen, Clarence T., Los Angeles, W. R. Frank, Bell, and H. I. Hagen, Long Beach, assignors to John Deere Killefer Company, Los Angeles, Calif. Tool clamping means. 2,584,614, Feb. 5.

Rasmussen, Ida M., New Brunswick, and E. F. Rogers, Middletown, assignors to Merck & Co., Inc., Rahway, N. J. Mothproofing. 2,617,747, Nov. 11.

Rasmussen, James W., Los Angeles, Calif. Dust collector. 2,583,881, Jan. 29.

Rasmussen, Joseph P., Point du Bois, Manitoba, Canada. Safety razor. 2,619,720, Dec. 2.

Rasmussen, Kristian, Copenhagen, Denmark. Internal-combustion engine. 2,591,099, Apr. 1.

Rasmussen, Luther L., Edinburg, Ind. Bracelet mounting for watches. 2,590,572, Mar. 25.

Rasmussen, Olaf, Port Clinton, and R. C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Brake. 2,580,701, Jan. 1.

Rasmussen, Theodore E., Scottsbluff, Nebr. Spring suspension means for vehicles. 2,590,791, Mar. 25.

Rasmussen, Thomas J., Schenectady, N. Y., assignor to General Electric Company. Water-repellent compositions. 2,612,482, Sept. 30.

Rasmussen, Susan L., assignee: *See*—
Lewis, Henry E.

Rasolett, Julius E., Cleveland Heights, Ohio, assignor, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Adjustable abutment for pistons. 2,605,748, Aug. 5.

Rasor, Orval, Portland, Oreg. Constructing cylindrical containers. 2,582,065, Jan. 8.

Raspet, August, Locust Valley, N. Y., assignor to Specialties, Inc. Film speed control for aerial cameras. 2,599,517, June 3.

Rassenfoss, Albert J., Kenilworth, Ill. Garment protecting bag. 2,590,462, Mar. 25.

Rassieur, Benjamin F.: *See*—
Stogsdill, Sherman L., and Rassieur.

Ratcliff, Edwin L., Hamilton, Colo. Toggle actuated quick action C-clamp. 2,610,662, Sept. 16.

Ratcliff, George R., London, England. Miter square. 2,606,368, Aug. 12.

Ratcliff, Jack A., Amarillo, Tex. Refrigerating system. 2,581,044, Jan. 1.

Ratcliff, Walter F., Baton Rouge, La., assignor to Standard Oil Development Company. Production of alcobols and gasoline by the oxo process. 2,623,074, Dec. 23.

Ratcliffe, George L., assignor to National Lead Company, Los Angeles, Calif. Coating composition and the vehicle therefor containing a compound of a clay and an onium base. 2,622,987, Dec. 23.

Ratcliffe, Temple W.: *See*—
Miller, William A., and Ratcliffe

Ratcliffe, Temple W., and S. O. Evans, Beaver Falls, Pa., assignors, by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J. Apparatus for controlling the rate of fluid material from one container into another. 2,586,713, Feb. 19.

Ratermann, Alfred C., St. Louis, Mo. Refrigerating system for motor vehicles. 2,614,396, Oct. 21.

Rates, Paul R., Sherman Oaks, assignor to Timm Industries, Inc., Glendale, Calif. Metallic window sash. 2,589,729, Mar. 18.

Rath, Karl: *See*—
Rossmann, Peter F., and Rath.

Rath, Karl, New York, N. Y., assignor to Hupp Corporation, Cleveland, Ohio. Combined manual and automatic window regulator. 2,621,540, Dec. 16.

Rath, Karl, New York, N. Y., assignor to Hupp Corporation, Cleveland, Ohio. Multiple drive window regulator. 2,621,541, Dec. 16.

Rath, Karl, New York, N. Y., assignor to Hupp Corporation, Cleveland, Ohio. Planetary gearing. 2,621,542, Dec. 16.

Rath, Michael B., Lorain, assignor to The Standard Oil Company, Cleveland Ohio. Marker gauge for tanks. 2,623,492, Dec. 30.

Rath, Walter, Dorset, Vt. Swimming race timer. 2,619,170, Nov. 25.

Rathborne, Hair & Ridgway Box Co., assignee: *See*—
Manger, Arthur O., and Tomlin.

Rathbun, Harold J.: *See*—
Widdows, Richard G., Dyer, and Rathbun.

Rathbun, Harold J., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for induction motors and braking generator combination. 2,581,292, Jan. 1.

Rathenau, Gerhart W.: *See*—
Van Weenen, Franciscus L., Rathenau, and Koelewijn.

Rather, Roy L., Jr., and H. O. Lorenzen, United States Navy, Washington, D. C. Doppler traffic control system. 2,620,470, Dec. 2.

Rathkey, Arnold C., Waterloo, Iowa, assignor to The Gas Machinery Company, Cleveland, Ohio. Heat exchanger. 2,589,730, Mar. 18.

Ratigan, J. P., Inc., assignee: *See*—
Ratigan, James P.

Ratigan, James P., assignor to J. P. Ratigan, Inc., Los Angeles, Calif. Ball construction. 2,616,747, Nov. 4.

Ratkoviak, Casimer A., Pasadena, assignor to H. Field, Jr., Los Angeles, Calif. Fuse type hydraulic valve. 2,589,731, Mar. 18.

Ratkovszky, Francis: *See*—
Mándi, Andrew, and Ratkovszky.

Ratkowski, Thomas A., Chicago Heights, Ill., assignor to American Brake Shoe Company, New York, N. Y. Repointer bar and repointing teeth. 2,608,111, Aug. 26.

Ratliff, Rudolph E., Los Angeles, Calif. Hairpin holder. 2,592,186, Apr. 8.

Ratliff, William H., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Wave guide antenna. 2,602,893, July 8.

Ratner, Allan, Newark, N. J. Date-reminder sheet. 2,582,355, Jan. 15.

Ratner, Edith, and A. Pastore, Brooklyn, N. Y., said Ratner assignor to said Pastore. Hair curler. 2,589,510, Mar. 18.

Ratti, Hugo J.: *See*—
Hendricks, John G., and Ratti.

Ratti, Jacques, Levallois-Perret, France. Band-saw type loaf cutting machine. 2,603,799, Aug. 5.

Rattinger, Fred: *See*—
Schenck, Gerhard, and Rattinger.

Ratzkin, Jack: *See*—
Sissenwine, Norman, and Ratzkin.

Rau, David W.: *See*—
Peters, Carl E., Rau, and Bruemmer.

Rau, David W., Kirkwood, Mo., assignor to Vickers, Incorporated. Fluid pressure regulating apparatus. 2,591,197, Apr. 1.

Raucher, Helen, assignee: *See*—
Raucher, Walter L.

Raucher, Walter L., assignor to H. Raucher, Chicago, Ill. Convertible baby carriage and stroller. Re. 23,488, Apr. 29.

Rauen, Carl F., Grosse Pointe, Mich. Brake and stop mechanism. 2,609,901, Sept. 9.

Rauen, Raymond H., Glendale, assignor to United States Spring & Bumper Co., Los Angeles, Calif. Agricultural implement. 2,604,025, July 22.

Raught, Arthur V., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Wheel track attachment for tractors. 2,623,310, Dec. 30.

Rauhut, John K., Chicago, Ill. Ventilating device. 2,582,356, Jan. 15.

Rauland Corporation, The, assignee: *See*—
Amdursky, Mark E., and Noskowicz.
Bailey, James S., and Schmidt.
Conway, Philip W., and Hajduk.
Harder, Arthur J., Jr.
Melcher, Walter P., and Voelz.
Pakswer, Serge.
Phillips, Willis E., and Szegho.
Spindler, Joseph C.
Szegho, Constantin S.
Szegho, Constantin S., and Amdursky.
Szegho, Constantin S., Amdursky, and Reed.

Raulston, James L., South Pittsburg, Tenn. Triangular radiant. 2,598,602, May 27.

Rauma-Raahe Oy, assignee: *See*—
Monnberg, Bror R. M., and Ora.

Raun, David J., Palm Springs, Calif. Automatic fluid drive. 2,607,242, Aug. 19.

Rauner, Lawrence A.: *See*—
Hunter, Melvin J., and Rauner.

Rausch, Chester C., Watertown, assignor to Mechanical Resuscitator Corporation, Boston, Mass. Mechanical resuscitator. 2,617,410, Nov. 11.

Rausch, Eugene E., assignor of one-half to W. L. Coleman, Marysville, Ohio. Downspout strainer. 2,595,538, May 6.

Rausch, Roswell H., Plainfield, N. J. Paper cutter. 2,619,723, Dec. 2.

Rausch, Roy R., Farmington, Mich., assignor to Associated Drug Industries, Inc., Cleveland, Ohio. Intravenous solution technique and apparatus. 2,580,836, Jan. 1.

Rausenberger, Larence E., assignor to The Steel Products Engineering Company, Springfield, Ohio. Braking mechanism. 2,607,445, Aug. 19.

Rausenberger, Larence E., assignor to The Steel Products Engineering Company, Springfield, Ohio. Filler cap assembly. 2,616,583, Nov. 4.

Rausenberger, Larence E., and D. L. Getz, assignors to The Steel Products Engineering Company, Springfield, Ohio. Filler cap assembly. 2,616,584, Nov. 4.

Raven, Jan P. C., assignor to Foster Wheeler Corporation, New York, N. Y. Control valve. 2,608,997, Sept. 2.

Ravers, Jerry J., Jr., Amiret, assignor of one-third to W. D. Knox and one-third to H. K. Nyberg, Tracy, Minn. Hitch. 2,595,100, Apr. 29.

Ravich, Leonard E., New York, N. Y. Diazotype dyeing and printing of web or sheet material. 2,616,803, Nov. 4.

Rawles, William T.: *See*—
Lloyd, Rex R., and Rawles.

Rawlings, Jack V., assignor of one-half to L. P. McLean, Contact, Nev. System for classifying, concentrating, and separating ores. 2,618,388, Nov. 18.

Rawlings, Arthur L., assignor to The United States Time Corporation, Waterbury, Conn. Stem winding and setting mechanism. 2,592,067, Apr. 8.

Rawlings, Arthur L., Little Neck, and H. H. Thompson, Manhasset, N. Y., assignors to The Sperry Corporation. Air navigation system. 2,609,683, Sept. 9.

Rawlins, Albert L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Aminophenylsulfonylphenylaminoalkanoic acids. 2,589,211, Mar. 18.

Rawlins, Albert L., Grosse Pointe Woods, and J. A. Sultzaberger, assignors to Parke, Davis & Company, Detroit, Mich. Antibiotic preparations. 2,611,731, Sept. 23.

Rawlins, Charlotte M., administratrix: *See*—
Rawlins, Herbert L.

Rawlins, Herbert L.: *See*—
Lindstrom, Ture, Sandin, and Rawlins.
Wallace, James M., and Rawlins.
Wallace, James M., Rawlins, Cumming, and Aspey.

Rawlins, Herbert L., deceased, Pittsburgh, Pa., by C. M. Rawlins, administratrix, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,611,058, Sept. 16.

Rawlins, Herbert L., Pittsburgh, and J. M. Wallace, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,622,167, Dec. 16.

Rawlins, Joseph A., Tenafly, N. J., assignor, by mesne assignments, to The Sperry Corporation. Gas turbine. 2,605,995, Aug. 5.

Rawlinson, Ocie, Birmingham, Ala. Self-aligning idler roller for belt conveyers. 2,619,223, Nov. 25.

Rawls, Vaughn, Lima, Ohio. Tire lug for relugging tires. 2,611,411, Sept. 23.

Rawnsley, David W., South Kensington, London, E. R. Green, Guildford, and J. G. Gill, Rotherham, England. Counterbalancing a pivoted arm or member. 2,584,921, Feb. 5.

Rawson, Frederick C., Fordcombe, assignor of one-half to Rawsons (Labelling Machines) Limited, Tunbridge Wells, England. Machine for winding pirns. 2,603,424, July 15.

Rawson, Harold R., Downers Grove, Ill. Hotbed. 2,608,797, Sept. 2.

Rawsons (Labelling Machines) Limited, assignee: *See*—
Rawson, Frederick C.

Ray, Alvin W., executor: *See*—
Ray, William R.

Ray Brothers Co., assignee: *See*—
Carlson, Johan A.

Ray, Charles H.: *See*—
Lindberg, John E., Jr., Ray, and Walker.

Ray, Charles S., Portland, Oreg., and C. W. Wrenn, Vancouver, Wash. Venetian blind. 2,582,162, Jan. 8.

Ray, Charles T.: *See*—
Preising, William J., and Ray.

Ray, Elmer C., Marmet, W. Va. Hydraulic hook for hoists. 2,620,160, Dec. 2.

Ray, Frank A., Fairhaven, Mass. Trawl net towing and hauling equipment. 2,592,331, Apr. 8.

Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of olefin hydrocarbons. 2,589,960, Mar. 18.

Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Decomposing adducts. 2,619,501, Nov. 25.

Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of cyclopentanone. 2,623,072, Dec. 23.

Ray, George C.: *See*—
Hardy, Gordon W., Ray, and Carle.

Ray, Hjalmer A., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Apparatus for producing coils of narrow strip fed thereto from a slitter. 2,616,645, Oct. 28.

Ray, James L., Long Beach, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combustion turbine system. 2,603,063, July 15.

Ray, James L., Long Beach, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine diaphragm. 2,614,870, Oct. 21.

Ray, Leslie H., Jr.: *See*—
Nesbitt, Cordell H., and Ray.

Ray Oil Burner Co., assignee: *See*—
Plass, Raymond H.
Plass, Raymond H., and Bingham.
Winters, Harry K.

Ray, Philip A.: *See*—
Borglin, Joseph N., and Ray.

Ray, Robert H., Co., assignee: *See*—
Frowe, Eugene.

Ray, Vida, executrix: *See*—
Ray, William R.

Ray, Walter E.: *See*—
While, Thomas G., and Ray.

Ray, William A., executor: *See*—
Ray, William R.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Interlocking safety switch system. 2,586,257, Feb. 19.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Electromagnetic reset valve. 2,589,573, Mar. 18.

Ray, William A., assignor to General Controls Co., Glendale, Calif. Electromagnetic valve. 2,589,574, Mar. 18.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Oil burner safety control system, including a flame responsive thermocouple structure. 2,592,068, Apr. 8.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Thermoelectric control system. 2,592,952, Apr. 15.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Pressure operated follow-up system. 2,597,032, May 20.

Ray, William R., Los Angeles, Calif. Rotary oil burner. 2,597,033, May 20.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Watering system. 2,599,862, June 10.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Gas burner system utilizing safety push button. 2,601,321, June 24.

Ray, William A., North Hollywood, Calif. Heat engine having an electrically actuated valve mechanism. 2,604,079, July 22.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,613,682, Oct. 14.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Automatic pressure controlled valve system for fluid fuel burners. 2,615,511, Oct. 28.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Fluid pressure operated motor. 2,620,628, Dec. 9.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Expansion valve. 2,622,408, Dec. 23.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,622,622, Dec. 23.

Ray, William B., Pensacola, Fla. Antiglare attachment for vehicles. 2,590,463, Mar. 25.

Ray, William R., deceased, Los Angeles, Calif.; V., W. A., and A. W. Ray, executors. Rotary oil burner. 2,620,864, Dec. 9.

Raybestos-Manhattan, Inc., assignee: *See*—
Adams, James, Jr.
Batchelor, Clyde S., Cofek, and Walker.
Bertolet, Elmer C., Jr.
Cofek, Henry J.
Gorecki, Robert J.
Novak, Izador J., and Cofek.
Yocom, Alvin M., and D'Olier.

Rayburn, Elwyn M., Sausalito, Calif. Variable-speed transmission. 2,581,498, Jan. 8.

Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strips of plastic material. 2,600,574, June 17.

Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for slitting articles. 2,609,049, Sept. 2.

Rayburn, Vincent A., and D. C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for conveying, dividing, and piling sheet material. 2,593,343, Apr. 15.

Rayfield, Thomas G., Greenville, S. C. Speed changing device for spinning. 2,587,897, Mar. 4.

Raymond, Albert L.: *See*—
Custe, John W., and Raymond.

Raymond, Antonin, New York, N. Y., assignor to National Steel Corporation. Airplane hangar. 2,590,464, Mar. 25.

Raymond, Arthur G.: *See*—
Worm, Erwin A., Jr., and Raymond.

Raymond Bag Company, The, assignee: *See*—
Peters, Harry, and Pierson.

Raymond Concrete Pile Company, assignee: *See*—
McMenimen, William V.
Parry, Richard M.
Smith, Edward A.
Van Buren, Myers.

Raymond, David L.: *See*—
Resek, Marc, Kirkpatrick, and Raymond.

Raymond, David L., South Euclid, assignor to Perfection Stove Company, Cleveland, Ohio. Water heater. 2,617,391, Nov. 11.

Raymond Engineering Laboratory, Inc., assignee: *See*—
Dawson, John W.

Raymond, Henri E., Guissalles par Vindelle, France. Reversible pump. 2,623,472, Dec. 30.

Raymond, Horace H., Berlin, P. Bliss, Newington, W. G. Coe, Gildersleeve, and P. J. Campbell, Middletown, Conn., assignors to Emhart Manufacturing Company. Apparatus for and method of inspecting sealed containers for relative internal pressure conditions. 2,608,089, Aug. 26.

Raymond, Hubert F., Toronto, Ontario, Canada. Releasing tap and die holder. 2,591,291, Apr. 1.

Raymond, John C., and H. O. Wilcox, Denver, Colo. Syringe nozzle. 2,596,597, May 13.

Raymond, John L., and E. G. Giambro, Brooklyn, N. Y., and E. W. Jacobus, Jr., East Orange, N. J. Telephone receiver holder. 2,602,863, July 8.

Raymond, Richard F., Saxonburg, and B. J. Dennison, Brackenridge, assignors to The Pittsburgh Plate Glass Company, Allegheny County, Pa. Transparent electroconductive article and producing the same. 2,592,601, Apr. 15.

Raymond, Richard F., Saxonburg, and B. J. Dennison, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Producing an electroconductive article. 2,617,745, Nov. 11.

Raymond, Roger S., Redondo Beach, and G. W. McGee, Los Angeles, Calif., assignors to North American Aviation, Inc. Mechanical lead slapper. 2,589,629, Mar. 18.

Raynes, Burt F., San Diego, Calif., assignor, by mesne assignments, to Harbor Aircraft Corporation. Apparatus for forming sheet metal material. 2,606,516, Aug. 12.

Raynor, Gilbert E., U. S. Air Force. Ratchet mechanism. 2,595,213, Apr. 29.

Raynor, John S., Jr., Philadelphia, Pa. Plasterboard clip. 2,613,416, Oct. 14.

Rayonier Incorporated, assignee: *See*—
Briggs, Ben T.
Keyser, Louis S., and Brown.
Schlosser, Paul H., and Gray.
Schlosser, Paul H., and Mitchell.

Raytheon Manufacturing Company, assignee: *See*—
Alford, Andrew, and Hart.
Anderson, Homer G.
Andrews, Glenn E.
Beebe, John N.
Boland, Thomas J.
Brown, William C.
Cage, John M.
Campbell, Paul J.
Chouljian, Haratoun T.
Dawson, John W.
De Bettencourt, Joseph T.
Donelson, Arthur W.
Gardner, Bernard C.
Gorn, Elmer J.
Gray, Robert, and Ellis.
Gross, Fritz A.
Hall, William M.
Hall, William M., and Beveridge.
Hoeppner, Conrad H.
Hosmer, Douglas W.
Karp, Harvey, Darden, and Kolodziej.
La Rue, Albert D.
McGuigan, William D.
Powers, Donald M.
Reed, Buckley R., and Crowley.
Riblet, Henry J.
Rockwood, Alan C., and Felsenthal.
Rubin, Milton D.
Rymes, William H.
Smith, Charles G.
Spencer, Percy L.
Stutsman, Paul W.
Temple, Lemuel M.
Turner, Edwin E., Jr.
Welch, Arthur E.
White, Harold T., Jr.
Wild, Norman R.
Wolf, Ezekiel.
Young, Kenneth A.

Razek, Joseph, Llanerch, Pa., assignor to Chain Belt Company, Milwaukee, Wis. Method and apparatus for measuring moisture content of sand or the like. 2,607,828, Aug. 19.

Razek, Joseph, Llanerch, Pa., assignor to Chain Belt Company, Milwaukee, Wis. Method and apparatus for measuring moisture content of sand or the like. 2,607,830, Aug. 19.

Razor, George C., assignor to Michigan Tool Company, Detroit, Mich. Gear tooth lead testing device. 2,612,701, Oct. 7.

Rea, Philip M., Oklahoma City, Okla. Mud pump valve and seat. 2,605,080, July 29.

Rea, Thomas K., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Yarn tensioning device. 2,581,142, Jan. 1.

Rea, Wilton T.: *See*—
Davey, James R., and Rea.

Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph hub electronic loop repeater. 2,594,993, Apr. 29.

Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,607,852, Aug. 19.

Rea, Wilton T., Manhassett, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Half duplex telegraph repeater, including break feature. 2,609,453, Sept. 2.

Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic telegraph hub type repeater. 2,612,560, Sept. 30.

Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Half-duplex telegraph repeater. 2,612,561, Sept. 30.

Reaction Motors, Inc., assignee: *See*—
Palen, Peter H.
Winternitz, Paul F.

Read, Charles W., assignee: *See*—
Darragh, Frank H., Jr.

Read, Chester L.: *See*—
Rex, Walter A., and Read.
Read, Chester L., Westfield, N. J., assignor to Standard Oil Development Company. Extraction process. 2,610,942, Sept. 16.
Read, Clinton L.: *See*—
Brown, John R., and Read.
Read, Harold L.: *See*—
Furman, Frank J., Read, and Kistner.
Read, John R.: *See*—
Judson, Charles A., Read, and Hunter.
Read, Philip H., New Smyrna Beach, Fla. Lifting tool. 2,602,634, July 8.
Read, Robert C., Weston, and F. J. Gregor, Wilton, Conn. Aircraft loading ramp. 2,581,293, Jan. 1.
Read, Robert C., Weston, and F. J. Gregor, Wilton, Conn. Juice extractor. 2,581,294, Jan. 1.
Read, Robert C., Weston, and F. J. Gregor, Wilton, Conn. Glide control means for drawers. 2,620,253, Dec. 2.
Read Standard Corporation, assignee: *See*—
Avila, Abelardo G.
Dietz, Norman E.
Martin, Eugene.
Rhodes, Herbert C.
Ruff, Alonzo W.
Temple, Hiram E.
Read, William T., executor: *See*—
Hoeber, Harold.
Reader, Michael J., Chicago, Ill. Emergency brake for marine hatch cranes. 2,621,760, Dec. 16.
Reading, Alpheus E., Jr., Chalfont, assignor to Textile Machine Works, Wyomissing, Pa. Yarn severing device for full-fashioned knitting machines. 2,602,313, July 8.
Reading, Harry L., Flemington, N. J. Brake fluid leak detector. 2,611,048, Sept. 16.
Reading Manufacturing Company, Inc., assignee: *See*—
Ryan, Albert O.
Reagan, Ollie: *See*—
Reagan, Sydney C., Sr., O. Reagan, and C. E. and G. Wood.
Reagan, Sydney C., Sr., and O. Reagan, Falls Church, Va., and C. E. and G. Wood, Maplewood, Mo. Scissors type cigarette holder. 2,593,054, Apr. 15.
Reager, Georgie V., Richland, Wash., and A. Burkett, Ocean Springs, Miss. Sectional folding beauty-health board with rocker means. 2,588,762, Mar. 11.
Reagle, George E., Jamestown, N. Y. Ladder. 2,594,070, Apr. 22.
Reale, Lucio, New York, N. Y. Preparing concentrated banana products. 2,592,332, Apr. 8.
Ream, Fred H., Dayton, Ohio. Rotating cutting disk type mower. 2,619,786, Dec. 2.
Ream, Vincent A., Greenville, Ohio. Opening and pouring attachment for cans. 2,609,968, Sept. 9.
Rear, James C., and F. J. Bobby, Berkeley, assignors to The Union Ice Company, San Francisco, Calif. Ice block making machine. 2,585,498, Feb. 12.
Reardon, Joseph D., Snyder, and L. J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Projection apparatus. 2,596,917, May 13.
Reardon, Robert E., Camden, N. J. Collar decapper applying machine. 2,607,106, Aug. 19.
Rearick, John S., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of chlorotrifluoroethylene polymer-in-monomer slurry. 2,600,804, June 17.
Reaser, William A., Toledo, E. A. Ziems, Rossford, Ohio, and J. M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio. Rotary edge grinding machine. 2,597,180, May 20.
Reaser, William A., Toledo, E. A. Ziems, Rossford, Ohio, and J. M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio. Straightedge glass plate beveling and edging machine. 2,600,127, June 10.
Reason, Richard E., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Recording apparatus. 2,606,093, Aug. 5.
Reaves, Jules M., assignor of fifty per cent to H. Weatherford, Jr., Memphis, Tenn. Partitioned container. 2,606,710, Aug. 12.
Reback, Samuel: *See*—
Rogers, Robert W., and Reback.
Rebarchek, Raymond, Palmer, Territory of Alaska. Cowtail clamp. 2,616,393, Nov. 4.
Rebman, Jack, assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Extensometer. 2,611,966, Sept. 30.
Rebmann, Paul, Wayne, Mich. Roller skate antifriction bearing. 2,610,897, Sept. 16.
Rechler, Morton D., assignor to Rexart Metal Industries, Inc., New York, N. Y. Baby bathing stand. 2,581,883, Jan. 8.
Reck, Frank: *See*—
Hickman, Clarence N., Mallina, and Reck.
Reck, Richard A., assignor to Armour and Company, Chicago, Ill. Preparation of naphthalenemethylol esters. 2,591,604, Apr. 1.
Reck, Richard A., assignor to Armour and Company, Chicago, Ill. Preparation of N-aliphatic morpholines. 2,597,260, May 20.
Recker, Heinz: *See*—
Parlini, Alexander C., Hascher, and Recker.
Recker, Henry M.: *See*—
Templeman, Basil E., and Recker.
Reckler, Laurence L., Sparks, Nev. Fish lure. 2,593,792, Apr. 22.
Reconstruction Finance Corporation, assignee: *See*—
Bracutt, Michael.
Dahl, George W.
Fettes, Edward M.
Finken, Walter S., and Frieder.
Frieder, Leonard P., and Finken.
Heinz, Winfield B.
Jones, James A.
Lauder, Wallace A.
Manley, John C.
Nash, John J.
Pataki, Emery.
Ransom, David H., and Benjamin.
Umbarger, James A., and Heveran.
Ward, Charles F.
Woolley, Bradford G.
Record Files, Inc., assignee: *See*—
Regenhardt, Hans W.
Record, Frank A.: *See*—
Pease, Marshall C., and Record.
Records, Elmer H., Tacoma, Wash. Retort. 2,586,862, Feb. 26.
Recourt, Johannes C. A.: *See*—
Kronouer, Johan G., and Recourt.
Recourt, Johannes C. A., and C. B. Los, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Collapsible tuning indicator for wireless sets. 2,618,238, Nov. 18.
Rector, Laurence L., Fort Worth, Tex. Ram-type tubing head. 2,593,793, Apr. 22.
Rector, Nelson H., Atlanta, Ga. Elevating ladder scaffold. 2,616,769, Nov. 4.
Red Jacket Manufacturing Co., assignee: *See*—
Deters, Elmer M.
Deters, Elmer M., and Bovee.
Reddick, Leonard W., Spearville, Kans. Signal device for fishermen. 2,580,956, Jan. 1.
Redding, Arnold H., Wallingford, and M. C. Benedict, Springfield, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,618,119, Nov. 18.
Redding, Benjamin F., Monterey Park, Calif. Fishing reel. 2,613,046, Oct. 7.
Redding Manufacturing Company, Inc., assignee: *See*—
Ryan, Albert O.
Reddi-Wip, Inc., assignee: *See*—
Tomasek, Herbert F., and Zimmer.
Redfarn, Cyril A., assignor of one-half to Durastic Limited, London, England. Trowelable bituminous flooring composition and making same. 2,581,295, Jan. 1.
Redfield, George E., assignor to Admiral Corporation, Chicago, Ill. Phonograph record changer. 2,605,105, July 29.
Redfield, Robert H., Oak Park, Ill. Protective coating for motion-picture films. 2,608,127, Aug. 26.
Redford, Frank A., Long Beach, Calif. Building construction. 2,601,819, July 1.
Redheffer, Raymond H.: *See*—
McMillan, Edward B., and Redheffer.
Redi Products Corporation, assignee: *See*—
Schulz, Herman R., C. G., and Kedzie.
Redin, Eric: *See*—
Atterling, John W. L., Redin, and Ryde.
Redin, Eric, Norrkoping, and H. Ryde, Smedslatten, Sweden. Sampling tube. 2,621,520, Dec. 16.
Redin, Eric G., K. E. Olander, and Z. A. E. Johansson, assignors to Aktiebolaget Manus, Norrkoping, Sweden. Apparatus for filling milk cans by vacuum, with means for straining and cooling said milk. 2,603,396, July 15.
Redington, F. B., Co., assignee: *See*—
Malhiot, Clarence J.
Redler, Arnold, Stroud, assignor to Arnold Redler Limited, Stroud, Gloucester, England. Conveyer for grain and like materials. 2,601,558, June 24.
Redler, Arnold, Limited, assignee: *See*—
Redler, Arnold.
Redlich, Otto, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Centrifugal contactor and method of contacting. 2,619,280, Nov. 25.
Redlich, Solomon, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Motor-light adapter for sewing machines. 2,596,598, May 13.
Redman, Frank R., assignee: *See*—
Chatfield, Franklin.
Redman, Frank R., Yardley, Pa. Apparatus for treatment of tubular knitted fabrics. 2,597,528, May 20.
Redman, Frank R., Yardley, Pa. Treating textile materials. 2,597,529, May 20.
Redman, Frank R., Yardley, Pa. Treating fabric. 2,597,530, May 20.
Redman, Franklin T., Jr., Pitcairn, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Valveless vacuum-operated fluid circulating device for cleaning hollow objects such as teat cups and milk tubes. 2,595,539, May 6.
Redman, Howard, Erlanger, Ky. Manhole extension. 2,593,918, Apr. 22.

Redmon, Charles H., Lexington, assignor to F. L. Rice, Pikeville, Ky. Release mechanism for toggle actuated plier type wrenches. 2,589,511, Mar. 18.
Redmond Company, Inc., assignee: *See*—
Ballentine, Earle W.
Latta, Edward, and Woltanski.
Redmond, John A.: *See*—
Kincaid, Homer F., Graham, and Redmond.
Redo, Saverio F., Springfield Gardens, N. Y. Wire reel. 2,590,890, Apr. 1.
Redrow, Allan R.: *See*—
Happe, Melvin J., and Redrow.
Red Star Mfg. Co. Inc., assignee: *See*—
Mendez, Francisco, and Almodovar.
Reeb, Eugene H., assignor to Star Metal Manufacturing Company, Philadelphia, Pa. Homogenizing apparatus. 2,586,258, Feb. 19.
Reeb, Henry A., Dixon, Calif. Animal trap. 2,616,210, Nov. 4.
Reece Corporation, The, assignee: *See*—
Rich, Marion C.
Reece, Harry W., Topeka, Kans. Infant table rail. 2,617,098, Nov. 18.
Reece, Herbert A., Cleveland Heights, Ohio. Adding alloys to metals. 2,595,292, May 6.
Reece, Herbert A., Cleveland Heights, Ohio. Apparatus for determining the fluidity of molten metals. 2,595,293, May 6.
Reece, Herbert A., Cleveland Heights, Ohio. Production of iron for use in the manufacture of cast iron products. 2,595,294, May 6.
Reece, Herbert A., Cleveland Heights, Ohio. Wedge testing. 2,595,295, May 6.
Reece, Herbert A., Cleveland Heights, Ohio. Tuyère arrangement in cupola furnaces. 2,595,296, May 6.
Reece, John O., and S. H., London, England. Stapling tool. 2,606,320, Aug. 12.
Reece, Michael P., London, assignor, by mesne assignments, to Pyroban Developments Limited, Manchester, England. Fire alarm apparatus. 2,587,762, Mar. 4.
Reece, Stanley H.: *See*—
Reece, John O., and S. H.
Reed, Adelbert B., Newton Center, Mass. Power can opener. 2,582,504, Jan. 15.
Reed, Bayard C.: *See*—
Nudelman, Eoina, Reed, and Ehemann.
Reed, Bayard C., Chicago, Ill. Rocking figure toy. 2,583,061, Jan. 22.
Reed, Bert N.: *See*—
Brown, Harvey H., and Reed.
Reed, Buckley R., Newton, and A. H. Crowley, Waltham, assignors to Raytheon Manufacturing Company, Newton, Mass. Radio frequency drying device. 2,618,733, Nov. 18.
Reed & Carnrick, assignee: *See*—
Van Meter, Clarence T.
Reed, Charles C.: *See*—
Weidenheimer, Joseph F., and Reed.
Reed, Claude H., assignee: *See*—
Crane, Samuel G.
Reed, Daniel E., Norwalk, Conn., assignor to Supersite Corporation, Bronx, N. Y. Rearview mirror apparatus. 2,599,412, June 3.
Reed, Dempson H., Houston, Tex. Pump. 2,595,540, May 6.
Reed, E. P., & Co., assignee: *See*—
Pierson, Harold L.
Reed, Edwin G., Jr., Bethesda, Md. Transmission. 2,593,184, Apr. 15.
Reed, Flood Everett: *See*—
Boyd, Joseph J., and Reed.
Reed, Frank C., Williamsport, Md. Tea bag holder. 2,591,606, Apr. 1.
Reed, Frank M., Elton, Pa. Electric power supply system. 2,591,605, Apr. 1
Reed, George: *See*—
Dale, Vernon P., and Reed.
Reed, George R., Grosse Pointe Park, Mich, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Clip clinching machine. 2,612,933, Oct. 7.
Reed, George R., Grosse Pointe Park, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Conveyer mechanism for spring cambering machine. 2,615,558, Oct. 28.
Reed, Harold V.: *See*—
Nutt, Harold, and Reed.
Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch assembly. 2,601,912, July 1.
Reed, Harold W.: *See*—
Howe, William H., and Reed.
Reed, Harry J., Jr.: *See*—
McGuire, John P., Reed, and Paine.
Reed, Homer C., Glendale, C. H. O. Berg, and C. B. Leffert, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Refining process and apparatus. 2,614,067, Oct. 14.
Reed, John K., Charlevoix, Mich. Vehicle ventilating device. 2,582,914, Jan. 15.
Reed, Joseph A., Firebaugh, Calif. Screw actuated piston dispenser. 2,588,877, Mar. 11.
Reed, Julian, E., Pacific Palisades, assignor, by mesne assignments, to Zenith Processing Corporation, Los Angeles, Calif. Quantitative feeder for ice plants. 2,589,431, Mar. 18.
Reed, Laurence G.: *See*—
Martin, Mervin E., and Reed.
Reed, Lionel C., Mount Vernon, N. Y., assignor to Schwarz Laboratories, Inc. Separation of cellular organisms from aqueous suspensions thereof. 2,609,328, Sept. 2.
Reed, Liscomb B., Princeton, N. J. Direction indicator. 2,596,173, May 13.
Reed, Maggie W., assignee: *See*—
Kingston, Clarence T.
Reed, Mildred, Bellows Falls, Vt., and F. H. Bickford, Liverpool, N. Y. Stenographic typewriting machine. 2,607,464, Aug. 19.
Reed, Price L., Royersford, assignor to Superior Tube Company, Philadelphia, Pa. Making electrode assemblies. 2,589,961, Mar. 18.
Reed, Price L., Royersford, assignor to Superior Tube Company, Philadelphia, Pa. Machine for making electrode assemblies. 2,608,743, Sept. 2.
Reed, Ralph R., Burbank, Calif. Hand broom. 2,609,557, Sept. 9.
Reed, Raymond A.: *See*—
Duhamel, Howard G., Campbell, and Reed.
Reed, Robert D.: *See*—
Zink, John S., and Reed.
Reed, Robert M.: *See*—
Christian, Donald C., and Reed.
Reed, Robert S., assignor of one-half to G. H. Zerfas, Three Rivers, Mich. Prefabricated reinforced beam. 2,618,148, Nov. 18.
Reed, Roland D., Hamilton Square, N. J. Helical linear reactance. 2,599,126, June 3.
Reed Roller Bit Company, assignee: *See*—
Boice, Elvin G.
Del'Homme, Daniel L.
Goolsbee, Charles C.
Katterjohn, August H.
Peter, Robert G.
Schmid, Paul E.
Stokes, John C.
Whitledge, Edgar R.
Reed, Sherman K.: *See*—
Miller, William T., Dittman, and Reed.
Reed, Stanley F., Washington, D. C. Inflatable mattress. 2,604,641, July 29.
Reed, William O.: *See*—
Szegho, Constantin S., Amdursky, and Reed.
Reed, William O., East Walpole, and L. J. Haworth, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Plan position indicator system. 2,605,462, July 29.
Reeder, Frank: *See*—
Carpenter, Albert S., Reeder, and Wallsgrove.
Reeder, William H., III, Olean, N. Y., assignor to Clark Bros. Co., Inc. Partial oxidation of hydrocarbons using gaseous sulfur trioxide. 2,590,124, Mar. 25.
Reedy, Charles H., assignee: *See*—
Murray, Victor E.
Reedy, Earl L., Red Bluff, Calif. Curing and treating lumber. 2,617,202, Nov. 11.
Reedy, Emmett M.: *See*—
Lowe, Earl W., and Reedy.
Reedy, N., assignee: *See*—
Flick, Francis S.
Reedy, Thomas E., Cincinnati, Ohio. Narrow gauge adapter for vehicle lifts. 2,602,633, July 8.
Reehling, Harold A.: *See*—
Powers, Henry L., and Reehling.
Reek, Donald C., Fort Wayne, Ind., assignor to General Electric Company. Directional switch. 2,598,440, May 27.
Reelshav Corporation, assignee: *See*—
Jones, George D.
Jones, Georges D., and Miller.
Reemelin, Wallace M., Berkeley, and R. W. Olmsted, assignors to Foster and Kleiser Company, San Francisco, Calif. Screen printing apparatus. 2,588,878, Mar. 11.
Reents, August C., assignor to Illinois Water Treatment Co., Rockford, Ill. Purifying glycerin. 2,615,924, Oct. 28.
Reents, August C., and D. M. Stromquist, assignors to Illinois Water Treatment Co., Rockford, Ill. Mixing granular materials. 2,605,084, July 29.
Reents, Heike H., Havelock, Iowa. Hog holder. 2,587,383, Feb. 26.
Reerink, Engbert H., and J. Van der Vliet, Weesp, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing stable emulsions of lipoidic substances in water. 2,588,290, Mar. 4.
Rees, Albert R., De Soto, Mo. Power supply for radio sets. 2,594,801, Apr. 29.
Rees, Frank X., Chili, and R. H. Bechtold, Irondequoit, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,584,739, Feb. 5.

Rees, Louis N., Cathlamet, Wash. Log-handling apparatus. 2,613,831, Oct. 14.

Rees, Ned J., assignor to James R. Kearney Corporation, St. Louis, Mo. Overload release coupling. 2,613,516, Oct. 14.

Rees, Vivian S., North Sacramento, Calif. Jet-propelled wheeled vehicle. 2,591,376, Apr. 1.

Reese, John, assignor to Thayer Company, Gardner, Mass. Positioning means for folding baby carriages. 2,623,754, Dec. 30.

Reese, John D., Philadelphia, Pa. Skin graft receiving member. 2,583,341, Jan. 22.

Reese, Robert R.: *See*—
Agapetus, Napoleon A., Reese, and Scoville.

Reese, Robert R., Port Arthur, Tex., assignor to Jefferson Chemical Company, Inc., New York, N. Y. Preparing oletin dichlorides in the presence of an inhibitor for substitution reactions. 2,601,322, June 24.

Reese, Thomas S., University Heights, and D. Galloway, Euclid, assignors to The Di-Noc Company, Cleveland, Ohio. Dry strip transfer, using same, and article produced thereby. 2,606,853, Aug. 12.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Egg shipping container. 2,597,845, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Container for shipment of eggs. 2,597,846, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Shipping container for eggs. 2,597,847, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Egg container. 2,597,848, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Container with telescoping closure. 2,615,613, Oct. 28.

Reetz, William H.: *See*—
McFarland, Arley, Reetz, and Burbank.

Reeves, Alec H.: *See*—
Deloraine, Edmond M., and Reeves.
Phinney, Edward D., and Reeves.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric pulse generator. 2,581,442, Jan. 8.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,593,486, Apr. 22.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge device. 2,603,765, July 15.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,623,191, Dec. 23.

Reeves, Arthur E., Los Angeles, Calif. Continuous film printer with automatic control of electromagnetically actuated shutter operating means. 2,583,342, Jan. 22.

Reeves, Arthur E., Los Angeles, Calif. Camera mount. 2,615,664, Oct. 28.

Reeves, Donald H., Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich. Fluid valve. 2,591,292, Apr. 1.

Reeves, Donald H., Dayton, Ohio, assignor to Donald H. Reeves and Associates, Beulah, Mich. Fluid valve. 2,591,293, Apr. 1.

Reeves, Donald H., and Associates, assignee: *See*—
Reeves, Donald H.

Reeves, Eugene J., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chilling of oils. 2,584,966, Feb. 5.

Reeves, Floyd L., Smithton, Ill. Leakproof fire extinguisher. 2,586,088, Feb. 19.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oven door glass lifting means. 2,580,957, Jan. 1.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oven door construction. 2,587,527, Feb. 26.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oven door and hinge structure. 2,592,333, Apr. 8.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Recipe card holder for stoves. 2,592,467, Apr. 8.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Adjustable indicator for stove valves. 2,599,780, June 10.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Stove construction. 2,622,584, Dec. 23.

Reeves Instrument Corporation, assignee: *See*—
Herr, Donald L.
Seay, Perry A.

Reeves, James B.: *See*—
Jones, Jesse E., and Reeves.

Reeves, John F.: *See*—
Marcy, Henry T., Mayer, and Reeves.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Speed-varying power transmission assembly. 2,582,067, Jan. 8.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Multiple expansible pulley unit. 2,595,203, Apr. 29.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Speed-varying power transmission. 2,613,545, Oct. 14.

Reeves Pulley Company, assignee: *See*—
Malcom, Glen.
Reeves, Paul B.
Reeves, Walter.

Reeves, Ray R., San Clemente, Calif. Decorative garnishing material. 2,622,358, Dec. 23.

Reeves, Walter, Wakefield, Mass., assignor to Reeves Pulley Company, Columbus, Ind. Constant tension control. 2,608,741, Sept. 2.

Refined Syrups & Sugars, Inc., assignee: *See*—
Gillette, Earl D., and Brown.
Hughes, Mary F., McCalip, Paine, and Rosenberg.

Refining Unincorporated, assignee: *See*—
Taub, Abraham.

Reflectone Corporation, The, assignee: *See*—
Simjian, Luther G.

Refrigerator Components Limited, assignee: *See*—
Wolf, Louis J.

Regal Moulding Co., Inc., assignee: *See*—
Silberkraus, Sam.

Regan, Barrie, Vancouver, British Columbia, Canada. Building block machine. 2,615,228, Oct. 28.

Regan Forge and Engineering Company, assignee: *See*—
Minor, Burt S.
Thatch, John W.

Regan, John E., Elmhurst, N. Y. Reusable screw top can. 2,602,565, July 8.

Regenhardt, Hans W., assignor to Record Files, Inc., Wooster, Ohio. Interlocking filing cabinet. 2,614,016, Oct. 14.

Regensburger, Henry W.: *See*—
Musschoot, Albert, and Regensburger.

Reger, Raymond, assignor to The Pierce Governor Company, Inc., Anderson, Ind. Speed control for pressure fluid operable rotator. 2,598,439, May 27.

Reggio, Ferdinando C., Buffalo, N. Y. Hydraulic valve-operating system operable to vary valve lift and timing. 2,621,640, Dec. 16.

Reggio, Ferdinando C., Norwalk, Conn. Engine air induction control system. 2,581,334, Jan. 1.

Reggio, Ferdinando C., Norwalk, Conn. Fuel injection pump. 2,612,884, Oct. 7.

Regie Nationale des Usines Renault, assignee: *See*—
Saives, Leon.

Regina Corporation, The, assignee: *See*—
Verhagen, Edward L.

Regis Plastics, assignee: *See*—
Papp, Andrew.

Regna, Peter P., West New York, N. J., and I. A. Solomons, III, Jackson Heights, N. Y., assignors to Chas. Pfizer & Co., Inc. Formation of streptomycin azo salt from streptomycin fermentation broth. 2,604,472, July 22.

Rehbein, Charles A., New York, N. Y., assignor to Shell Development Company, San Francisco, Calif. Process and apparatus for the conversion of hydrocarbons and the stripping of vaporizable hydrocarbons from the fouled catalyst. 2,606,863, Aug. 12.

Rehberg, Chessie E.: *See*—
Mast, William C., Rehberg, and Fisher.

Rehberg, Chessie E., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Alkyl carbonates of lactates. 2,615,914, Oct. 28.

Rehels Company, Inc., assignee: *See*—
Govett, Thomas, and Almquist.

Rehfeld, George W., Manhattan, Kans. Smoking device. 2,594,680, Apr. 29.

Rehfeld, George W., Manhattan, Kans. Smoking device. 2,617,427, Nov. 11.

Rehnberg, Arthur E., St. Paul, Minn. Combination wheelbarrow and trailer. 2,606,771, Aug. 12.

Rehner, John, Jr., Westfield, N. J., and P. J. Flory, Ithaca, N. Y., assignors to Standard Oil Development Company. Curing rubbery substances with metadinitroso aromatic compounds. 2,616,876, Nov. 4.

Rehsteiner, Carl P.: *See*—
Ryffel, Albert, and Rehsteiner.

Reibig, Eric A.: *See*—
Wiken, Christy A., and Reibig.

Reich, Ernest, Forest Hills, N. Y. Heating device. 2,602,131, July 1.

Reich, Ernst: *See*—
Widmer, Willy, Fasciati, and Reich.
Widmer, Willy, and Reich.
Widmer, Willy, Reich, and Buehler.

Reich, George F. P., Bremerton, Wash. Oil seal. 2,596,174, May 13.

Reich, Gustave T., Philadelphia, Pa. Treatment of carbohydrate-containing liquids for removal of alkaline earth compounds. 2,596,599, May 13.

Reich, Harold A., New York, N. Y. Skirt marker. 2,602,999, July 15.

Reich, Herbert J., New Haven, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Magnetron. 2,605,445, July 29.

Reich, Irving, Brooklyn, assignor to Carter Products, Inc., New York, N. Y. Filling pressuretight containers with a liquid product and a volatile propellant. 2,613,023, Oct. 7.

Reich, John A., Chester, Va., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Boiler tube protected against corrosive substances. 2,583,015, Jan. 22.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Rectified alternating current type coded track circuit signaling system. 2,588,044, Mar. 4.

Reichardt, Emerald P.: *See*—
O'Neill, John J., Jr., and Reichardt.

Reichardt, Fred O.: *See*—
Lacy, Benjamin F., and Reichardt.

Reichardt, Frederick O., Columbus, Ohio. Resilient connector. 2,601,709, July 1.

Reichart, James H., deceased, Muncie, Ind.; Merchants Trust Co., executor. Nonsagging, oppositely-swinging hinge structure. 2,583,305, Jan. 22.

Reichel, Maximilian K., assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Positive diasotype and negative metal reduction images and light-sensitive material therefor. 2,618,555, Nov. 18.

Reichel, Wladimir A.: *See*—
Noxon, Paul A., and Reichel.

Reichert, Carl, Fort Wayne, Ind. Bale ejector. 2,590,649, Mar. 25.

Reichert, Carl, Fort Wayne, Ind. Foldable wheel for hand trucks. 2,606,770, Aug. 12.

Reichert, Elias F., assignor to S. Reinhard, Allentown, Pa. Knitting machine. 2,617,282, Nov. 11.

Reichert, John M.: *See*—
Thulin, Ivar V., and Reichert.

Reichertz, Paul P., Dallas, Tex., assignor, by mesne assignments to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Drilling mud resistivity meter. 2,599,413, June 3.

Reiches, Sol L.: *See*—
Ingle, Donald P., and Reiches.

Reiches, Sol L., Cleveland, Ohio. Improving the definition in the presentation of intensity modulated cathode-ray tubes. 2,602,909 July 8.

Reichhold Chemicals, Inc., assignee: *See*—
Bevan, Eric A., and Robinson.
Robinson, Ralph S.

Reichl, Eric H., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Catalytic reactor. 2,585,274, Feb. 12.

Reichle, Hans, Mahopac Falls, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Apparatus for filling jars. 2,606,705, Aug. 12.

Reid, Albert C., Tulsa, Okla. Azimuth transmitter. 2,586,259, Feb. 19.

Reid, Albert C., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine seismometer spread. 2,607,842, Aug. 19.

Reid, Anthony B., Lansdowne, Ontario, Canada. Cutting chain for saws. 2,595,884, May 6.

Reid, Anthony B., Lansdowne, Ontario, Canada. Cutting chain. 2,605,788, Aug. 5.

Reid, Charles E., Sr., Greenville, Miss. Cutting attachment for land-clearing equipment. 2,615,262, Oct. 28.

Reid, Colin C.: *See*—
Robinson, Preston, and Reid.

Reid, Dwelle E., Charlotte, N. C. Container for safely striking matches. 2,604,980, July 29.

Reid, Ebenezer E.: *See*—
Richter, Frederick P., and Reid.

Reid, Eric P.: *See*—
Hardcastle, Philip, and Reid.

Reid, George C., and S. S. Jacobs, Brooklyn, assignors to American Can Company, New York, N. Y. Container with flat top and integral overcap. 2,609,985, Sept. 9.

Reid, George H., Braunstone, near Leicester, England. Attitude-indicating instrument for air and other craft. 2,582,796, Jan. 15.

Reid, James A.: *See*—
Bailey, Grant C., and Reid.

Reid, John D.: *See*—
Daul, George C., and Reid.

Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Universal reproducing stylus. 2,584,922, Feb. 5.

Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio frequency coupling circuit. 2,610,248, Sept. 9.

Reid, John D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Electromagnetic wave interceptor. 2,610,296, Sept. 9.

Reid, John D., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Insulator bushing seal. 2,597,596, May 20.

Reid, John D., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Adjustable electrode support. 2,619,609, Nov. 25.

Reid, John L., San Francisco, Calif. Louver. 2,587,898, Mar. 4.

Reid, Raymond W., Sanford, assignor to The Dow Chemical Company, Midland, Mich. Primary cell. 2,616,940, Nov. 4.

Reid, Robert J.: *See*—
Eberly, Kenneth C., and Reid.
Groten, Frank J., and Reid.
Matlack, Jacob D., and Reid.
Miller, Verle A., and Reid.

Reid, Thomas S., New Canada Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon vinyl esters and polymers. 2,592,069, Apr. 8.

Reid, William B., Jr., assignor to The Upjohn Company, Kalamazoo, Mich. Pyrrolidyl-alkyl esters of para-propoxybenzoic acids. 2,605,266, July 29.

Reid, William B., Jr., assignor to The Upjohn Company, Kalamazoo, Mich. Beta-pyrrolidyl-ethyl esters of para-propoxybenzoic acid. 2,605,267, July 29.

Reid, William B., Jr., and A. W. Schneider, assignors to The Upjohn Company, Kalamazoo, Mich. Preparing 4,4-diphenyl-6-dimethylamino-heptanone-3. 2,601,323, June 24.

Reier, William S.: *See*—
Mall, Harry E., and Reier.

Reifers, Richard F., Chicago, Ill. Container. 2,621,782, Dec. 16.

Reiff, Orland M.: *See*—
Otto, Ferdinand P., and Reiff.

Reiffen, Ernst A., Kassel-Wilhelmshohe, Germany. Mixing machine. 2,592,334, Apr. 8.

Reiffert, Emma M., Chicago, Ill. Lipstick applicator. 2,618,279, Nov. 18.

Reifurth, Otto, Immigrath Rhld, Germany. Rail joint. 2,613,875, Oct. 14.

Reigh, Clarence J.: *See*—
Hursh, Samuel R., and Reigh.

Reijnders, Franciscus H., Schipluiden, Netherlands. Apparatus for taking stereoscopic pictures without abnormal stereoscopic effects. 2,595,409, May 6.

Reijnst, Maximilien F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetizing partly demagnetized permanent magnets in alternating current generators. 2,607,813, Aug. 19.

Reijnst, Maximilien F. and R. H. de Beer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetizing partly demagnetized permanent field magnets in alternating current generators. 2,609,411, Sept. 2.

Reijnst, Maximilien F. and R. H. de Beer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising an alternating current generator having permanent field magnets. 2,609,528, Sept. 2.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Filling for the fuel compartments of lighters. 2,580,463, Jan. 1.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Cigarette case retaining arm. 2,584,923, Feb. 5.

Reilly, Alfred F., North Attleboro, Mass. Counter display device. 2,593,697, Apr. 22.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Condiment holder. 2,597,749, May 20.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Sealing snuffers. 2,616,161, Nov. 4.

Reilly, Gordon P., Catonsville, assignor of fifty per cent to L. M. Meckel, Baltimore, Md. Sound regulator for telephone ringers. 2,599,198, June 3.

Reilly, George W., Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc. Weighing system for a processing operation. 2,581,204, Jan. 1.

Reilly, George W., Jr., Minneapolis, Minn., assignor to Wilson & Co., Inc. Weighing system for a processing operation. 2,581,205, Jan. 1.

Reilly, Hugh L., and K. Seymour, Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited. Navigation instrument. 2,588,763, Mar. 11.

Reilly, Hugh L., F. H. Scrimshaw, and A. G. Bone, Farnborough, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Speed and/or distance determining instrument. 2,597,531, May 20.

Reilly, James H.: *See*—
Wheeler, Gordon D., and Reilly.

Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Infusible copolymeric vinylidene chloride composition. 2,614,092, Oct. 14.

Reilly, Lucille G., Van Nuys, Calif. Device for holding strips of material to be stitched. 2,581,703, Jan. 8.

Reilly Tar & Chemical Corporation, assignee: *See*—
Horner, Harold R., and Woodward.

Reilly, William J.: *See*—
Jacques, Joseph, and Reilly.

Reilly, William J., Attleboro, Mass., assignor to Evans Case Co. Handbag. 2,604,917, July 29.

Reiman, Alfred E.: *See*—
Toolan, John J., and Reiman.

Reiman, Alfred E., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled selector circuit for phonographs. 2,606,640, Aug. 12.

Reimann, Leo D., assignee: *See*—
Marr, John E.

Reimann, Leo D., Salem, Oreg. Dispensing and atomizing container. 2,609,235, Sept. 2.

Reimert, Lawrence J., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Production of titanium tetralodide. 2,616,784, Nov. 4.
Reimschissel, Charles A., and H. E. Davies, assignors to Landis Machine Company, Waynesboro, Pa. Centering device for pipe-threading machines. 2,582,279, Jan. 15.
Rein, Joseph L., Washington, D. C. Rivet applying and removing tool. 2,594,802, Apr. 29.
Reinarts, Leo F., and C. R. F. Dersmith, Middletown, Ohio, assignors to Armco Steel Corporation. Treatment of molten metal. 2,600,575, June 17.
Reindl, Harold J., and S. R. Prance, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Brightening bath. 2,614,913, Oct. 21.
Reindl, Joseph, Topanga, Calif. Fuel mixer for internal-combustion engines. 2,598,832, June 3.
Reinecke, Jean O., Oak Park, Ill., assignor to the United States of America as represented by the Secretary of War. Can opener. 2,584,049, Jan. 29.
Reineke, Ezra P.: *See*—
Turner, Charles W., and Reineke.
Reiner, Clayton R., Coral Gables, Fla. Combination storm shutter and awning. 2,604,938, July 29.
Reiner, Robert, Inc., assignee: *See*—
Lambach, Fritz.
Reiners, Neville M., assignor to Cummins Engine Company, Inc., Columbus, Ind. Piston construction. 2,610,098, Sept. 9.
Reiners, Walter, assignee: *See*—
Fürst, Stefan.
Reingruber, Frank and J., New York, N. Y. Thermostat. 2,584,924, Feb. 5.
Reingruber, Frank, Yonkers, and J. Reingruber, Astoria, N. Y. Thermostatic switch. 2,602,128, July 1.
Reingruber, Joseph: *See*—
Reingruber, Frank and J.
Reinhard Brothers Company, assignee: *See*—
Latourelle, Harry E.
Reinhard, John G., Streator, Ill. Hat protecting device. 2,620,483, Dec. 9.
Reinhard, Samuel, assignee: *See*—
Reichert, Elias F.
Reinhard, Wolfgang, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Device for the magnetic deflection of cathode-ray tubes. 2,598,302, May 27.
Reinhard, Wolfgang, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Deflection-coil arrangement in cathode-ray tubes. 2,598,303, May 27.
Reinhardt, Harry A.: *See*—
Adler, Leon, Reinhardt, and Ponath.
Reinheimer, Emma C., Magnolia, and E. R. Davis, Woodbury, N. J. Filing cabinet. 2,617,055, Nov. 4.
Reinhold, Charles, Geneva, Switzerland. Spray gun for paints and other liquids. 2,613,995, Oct. 14.
Reinhold, Charles L., Geneva, Switzerland. Nozzle for spray guns. 2,614,000, Oct. 14.
Reinhold, Richard S.: *See*—
Moorehead, James R., and Reinhold.
Reinicke, Herbert, Ebingen, Germany. Spinning mechanism. 2,608,817, Sept. 2.
Reiniger, Friedrich, Hamburg-Wellingsbuttel, Germany, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Liquid cooling of anodes in vacuum discharge tubes, more particularly X-ray tubes. 2,617,057, Nov. 4.
Reinke, Elmer F.: *See*—
Birch, Thomas H., and Reinke.
Reinking, Arthur O., Oaklyn, N. J. Bottle handling device. 2,597,128, May 20.
Reinking, Arthur O., Oaklyn, N. J. Bottle handling device. 2,597,181, May 20.
Reinstein, Sol, Philadelphia, Pa. Stocking construction. 2,583,748, Jan. 29.
Reintjes, George P., Kansas City, Mo. Furnace wall. 2,601,631, June 24.
Reintjes, Harold: *See*—
Johnson, Wilbur E., and Reintjes.
Reinwand, Harold O., Lawton, Okla. Brake lining removing machine. 2,616,339, Nov. 4.
Reisch, George J., Devon, Conn., assignor to General Electric Company. Electric fan. 2,605,959, Aug. 5.
Reisch, George J., Stratford, Conn., assignor to General Electric Company. Oscillating fan. 2,599,284, June 3.
Reisch, George J., Stratford, Conn., assignor to General Electric Company. Enclosed oscillating fan. 2,600,325, June 10.
Reisch, George J., Devon, and W. K. Skolfield, Bridgeport, Conn., assignors to General Electric Company. Clutch for oscillating fans. 2,597,034, May 20.
Reisert, August D.: *See*—
Fox, Alexander P., and Reisert.
Reishauer-Werkzeuge A.-G., assignee: *See*—
Rickenmann, Alfred.
Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.
Reisinger, Frederick F., Willoughby, assignor to The Wire Coating and Manufacturing Company, Cleveland, Ohio. Rapid fine-grained copper electrodeposition. 2,612,469, Sept. 30.
Reiss Manufacturing Corporation, assignee: *See*—
Johnson, Fred I.
Reiss, Max, Assignor to Eastman Kodak Company, Rochester, N. Y. Telecentric objective of the reversed telephoto type. 2,600,805, June 17.
Reiter, Alexander L., and J. J. Haverstock, South Bend, Ind., assignors, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Drier. 2,611,976, Sept. 30.
Reiter, Daniel I., New York, N. Y. One-piece resilient socket. 2,589,962, Mar. 18.
Reiter, David, Woodside, N. Y. Dental band retainer. 2,617,196, Nov. 11.
Reiter, Harry E., Bowling Green, Ohio. Disk-type lawn mower. 2,585,405, Feb. 12.
Reiter, Harry L.: *See*—
Wells, Theodore A., and Reiter.
Reitsma, Hendrik, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Adjustable self-transporting thread store reel. 2,614,313, Oct. 21.
Reitter, George E.: *See*—
Germer, Lester H., and Reitter.
Reitz Manufacturing Co., assignee: *See*—
Riets, Carl A.
Reitz, Paul J., Hamilton, Ohio, assignor of forty-nine per cent to G. E. Dolch, Portland, Ind. Portable power-operated surface abrader. 2,584,738, Feb. 5.
Reitzel, Clarence E., assignor to The General Fireproofing Company, Youngstown, Ohio. Edge construction for furniture tops. 2,605,157, July 29.
Rejeski, William E., assignor to The Wiremold Company, Hartford, Conn. Collapsible tubing. 2,592,335, Apr. 8.
Rejeski, William E., assignor to The Wiremold Company, Hartford, Conn. Machine and method for forming collapsible tubing. 2,592,336, Apr. 8.
Rekart, Arthur F., Ferguson, Mo., assignor to KXOK, Inc. Radio broadcasting system with selective program elimination. 2,617,923, Nov. 11.
Rekettye, Paul, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Machine for winding play balls. 2,607,540, Aug. 19.
Rek-O-Kut Company, assignee: *See*—
Simonson, Sydney.
Reliable Electric Company, assignee: *See*—
Cook, John B., and Jugle.
Reliance Electric & Engineering Co., The, assignee: *See*—
Hayes, Robert R.
Picking, Jay W.
Reliance Pet Supply Inc., assignee: *See*—
Tomkins, Harold.
Reliance Steel Products Company, assignee: *See*—
Braun, Ottwin L.
Nagin, Harry S.
Relis, Matthew J., Ferndale, N. Y. Method and apparatus for measuring electrical impedances. 2,595,207, May 6.
Reman, Gerrit H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Liquid contact apparatus with rotating disks. 2,601,674, June 24.
Rembold, Albert A., San Francisco, Calif. Card sorting device. 2,610,632, Sept. 16.
Rembold, Albert A., San Francisco, Calif. Cutting machine. 2,611,433, Sept. 23.
Rembusch, Trueman T., Indianapolis, Ind., and H. P. Wolfberg, Denver, Colo. Counting and recording apparatus. 2,589,432, Mar. 18.
Rem-Cru Titanium, Inc., assignee: *See*—
Finlay, Walter L.
Remich, Norman C., assignor to Barber-Colman Company, Rockford, Ill. Gear chamfering hob. 2,597,129, May 20.
Remington Arms Company, Inc., assignee: *See*—
Catlin, Robert T.
Hartman, Robert B.
Jaffee, Robert I., and Ogden.
Jaffee, Robert I., Ogden, and Maykuth.
Kenney, Joseph F.
Leek, Wayne E.
Walker, Merle H.
Weller, Barton L.
Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Apparatus for distributing and drying uniform interior coatings in collapsible tubes. 2,599,721, June 10.
Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Apparatus for extruding collapsible tubes. 2,600,921, June 17.
Remington, Leland F.: *See*—
Clark, Elmer F., and Remington.
Remington Rand, Inc., assignee: *See*—
Block, Wilhelm F.
Braun, Karl J., and Miller.
Briechle, Ambrosius.
Carissimi, Louis C.
Crosman, Loring P.
Devol, George C.
Eddy, John W.
Finlay, Walter L., and Adessa.
Halahan, John, Aronson, and Lyon.
Hartman, Robert B.
Hicks, Harry A., and Landsiedel.
Jackson, Arthur R.
Kelley, Walter F.

Remington Rand, Inc., assignee: *See*—Continued.
Mixer, Harold P.
Mueller, John.
Olson, Harold T.
Pentecost, Arthur, and Schniertshauer.
Roggenstein, Edwin O.
Roggenstein, Edwin O., and Thierfelder.
Ross, Albert M.
Sachs, Hans W.
Sachs, Hans W., and Borck.
Shultz, Frederick A., Gressel, Hobb, and Kroeger.
Slater, Raymond E.
Streng, Jan.
Thierfelder, Emil F.
Wolters, Carl F.
Zenner, Frederick M., and Wolters.
Rempel, Dietrich G., assignor to Rempel Manufacturing, Inc., Akron, Ohio. Rotary casting machine for producing hollow rubber or like articles. 2,603,836, July 22.
Rempel Manufacturing, Inc., assignee: *See*—
Rempel, Dietrich G.
Rémy, Paul J. L., Issy-les-Moulineaux, assignor to Societe des Ateliers de Mecanique et de Pyrotechnie S.M.P., Paris, France. Machine for the manufacture of blades for turbojet engines. 2,620,601, Dec. 9.
Renaker, Florence K.: *See*—
Kibler, Florence.
Renard, Roland E.: *See*—
Peterson, William B., Jr., and Renard.
Renard, Roland E., Los Gatos, assignor to Pacific Can Company, San Francisco, Calif. Can key welding machine. 2,618,725, Nov. 18.
Rench, Carl F., Troy, assignor to The National Cash Register Company, Dayton, Ohio. Electronic accounting machine. 2,591,007, Apr. 1.
Rench, Carl F., Troy, assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,591,008, Apr. 1.
Rendel, George H., Mount Lebanon, Pa., assignor to United States Steel Company. Plating thickness meter. 2,603,595, July 15.
Rendich, Edmund H., Stewart Manor, N. Y. Display positioning device. 2,621,807, Dec. 16.
Reneer, Charles R., Paintsville, Ky. Slidable side jaw wrench. 2,590,792, Mar. 25.
Renfrew, Edgar E.: *See*—
Randall, David I., and Renfrew.
Renfrew Electric and Refrigerator Co. Limited, assignee: *See*—
Beal, James F.
Renfro, George E., El Segundo, Calif. Flow controlling device. 2,580,595, Jan. 1.
Renfro, Jenifer W., Cincinnati, Ohio. Embalmer's tissue separator. 2,612,078, Oct. 7.
Renick, Wendell E.: *See*—
Blasutta, Victor V., and Renick.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Flow proportioning apparatus. 2,593,185, Apr. 15.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Relief valve. 2,608,214, Aug. 26.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Relief valve. 2,619,111, Nov. 25.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Pressure relief valve. 2,619,112, Nov. 25.
Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Solenoid operated valve. 2,619,121, Nov. 25.
Renman, Göte, assignor to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Electrolytic deposition of iron in the form of powder. 2,598,833, June 3.
Renne, William C., Kansas City, Mo. Wallpaper pasting and trimming machine. 2,613,632, Oct. 14.
Renner, Herbert O., Des Plaines, assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Refining soybean lecithin. 2,599,016, June 3.
Rennerfelt, Sven B., Goteborg, Sweden. Variable-speed changing gear. 2,586,260, Feb. 19.
Rennick, James S., Munhall, Pa., assignor to United States Steel Company. Hardening rolls. 2,619,439, Nov. 25.
Reno, Duke W., Monroeville, Ohio. Motorized stripping tool. 2,589,138, Mar. 11.
Reno, Reno R., Long Beach, Calif. Haircutting method. 2,581,704, Jan. 8.
Renold and Coventry Chain Company, Limited, The, assignee: *See*—
Simpkin, Francis W.
Renstrom, Conrad W.: *See*—
Wells, Arthur N., Tocci-Guilbert, and Renstrom.
Rental, Thomas, Inc., assignee: *See*—
Hoge, Ralph O.
Renton, Henry N., Germantown, assignor to Hunter Manufacturing Corporation, Bristol, Pa. Screen attachment for windows. 2,584,369, Feb. 5.
Renuzit Home Products Co., assignee: *See*—
Koegler, Milton.
Renwal Manufacturing Co., Inc., assignee: *See*—
Rosenbloom, Irving.
Rens, Emil K., Dedham, assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Multiple side pocket billfold. 2,606,590, Aug. 12.
Renzoni, Louis S., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Producing modified electronickel. 2,623,848, Dec. 30.
Reo Motors, Inc., assignee: *See*—
Bradley, Robert E.
Repko, Jan D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable capacitor. 2,580,702, Jan. 1.
Replogle, James B., Waukegan, Ill. Collapsible cabinet refrigerator. 2,605,617, Aug. 5.
Reppe, Walter, Ludwigshafen-on-the-Rhein, Germany. Production of dicarboxylic acids. 2,604,490, July 22.
Reppert, Richard V., Rochester, N. Y. Differential actuating mechanism. 2,590,345, Mar. 25.
Reppert, Richard V., Rochester, N. Y. Power-operated typewriting machine. 2,621,772, Dec. 16.
Reppert, Roland, Pelham Manor, assignor to American Hard Rubber Company, New York, N. Y. Cover construction for storage battery cells. 2,603,672, July 15
Repscha, Albert H., Devon, and H. Fox, assignors to Schramm, Inc., West Chester, Pa. Governing mechanism for engine-driven compressors. 2,595,369, May 6.
Republic Aviation Corporation, assignee: *See*—
Brown, William V.
Republic Boiler Corporation, assignee: *See*—
Hosking, Homer L.
Melrose, Robert G.
Republic Flow Meters Company, assignee: *See*—
McMahon, Jerome B., and Miller.
Rosenberger, Albert J.
Smoot, Charles H.
Republic Foil and Metal Mills, Incorporated, assignee: *See*—
Post, James D.
Republic Patent Corporation, assignee: *See*—
Durant, Lyndon A., and Binks.
Republic Pictures Corporation, assignee: *See*—
Miller, Arthur J.
Republic Steel Corporation, assignee: *See*—
Darner, Frederic M.
Farling, Harold L., and Norris.
Foxx, Norbert E.
Janecek, Frank H., and Bahney.
Latham, Allen, Jr.
Le Viseur, Kurt G., and Larson.
Meissner, Herman P., and Hyde.
Old, Bruce S.
Perdue, Dwight J., and Richards.
Sower, George W., and Meyfarth.
Wheeler, Glenn E.
Whitehouse, Irving P., Krauss, and Damon.
Republic Steel Corporation, The, assignee: *See*—
Orellana, Ildefonso G.
Rericker, William G., assignor to Grace Sign & Mfg. Co., St. Louis, Mo. Sign. 2,621,431, Dec. 16.
Resan, Stephen F., assignor to Woodruff & Edwards, Inc., Elgin, Ill. Grease trap. 2,611,488, Sept. 23.
Resch, William A., and J. S. Carruthers, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of acetic acid solutions of cellulose acetate. 2,607,703, Aug. 19.
Research Association of British Flour-Millers, The, assignee: *See*—
Jones, Charles R., Thomlinson, and Kent.
Research Corporation, assignee: *See*—
Archer, Vincent W.
Bonacci, Louis N., and Hahn.
Busfield, Gordon.
Cashman, Robert J.
Draper, Charles S., and Bentley.
Fawaz, George.
Hahn, Alfred Z.
Hall, Herbert J.
Hansen, Clarence M.
Hedberg, Carl W. J., and Richardson.
Kendall, Edward C.
Kendall, Edward C., and Mattox.
McGuckin, Warren F., and Kendall.
Mueller, Hans.
Mueller, Robert K.
O'Brien, Brian, Jr., and Flint.
Pumpard, Harvey F., Jr.
Puyt, Joseph.
Richardson, Harry L.
Salo, Torsti P., and Waugh.
Santangelo, Louis F.
Sultzer, Norman W.
Van de Graaf, Robert J., and Buechner.
Wintermute, Harry A.
Wright, Forrest B.
Research Engineering & Manufacturing, Inc., assignee: *See*—
Brown, Frank K.
Parrish, Walter A.
Phipard, Harvey F., Jr.
Research Foundation, assignee: *See*—
Rosenthal, Sol R.
Research Products Corporation, assignee: *See*—
Rowe, Carl B.
Resek, Marc: *See*—
Chadwick, Lee S., and Resek.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Wall-mounted combustion space heater with window-accommodated air duct and flue. 2,582,066, Jan. 8.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Stove top grate. 2,594,215, Apr. 22.

Resek, Marc., Cleveland Heights, J. A. Dahlstrom, Bay Village, and A. Bois, Chagrin Falls, assignors to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burning unit of the bowl or pot type. 2,588,045, Mar. 4.

Resek, Marc, Cleveland Heights, J. R. Kirkpatrick and D. L. Raymond, South Euclid, assignors to Perfection Stove Company, Cleveland, Ohio. Mechanical draft inducer for combustion apparatus, including provisions for relieving back drafts. 2,617,371, Nov. 11.

Residue Company, The, assignee: *See*—
Orr, Raymond F., and Junkin.

Resin Industries, assignee: *See*—
Sedar, William.

Resina Automatic Machinery Co. Inc., assignee: *See*—
Resina, Manuel S.

Resina, Manuel S., deceased, Brooklyn, N. Y.; R. Resina, executrix of said M. S. Resina, assignor to Resina Automatic Machinery Co. Inc., Brooklyn, N. Y. Rotatable cap applying chuck with cap gripping helical spring. 2,593,794, Apr. 22.

Resina, Rosa, executrix: *See*—
Resina, Manuel S.

Resistance Welders Limited, assignee: *See*—
Nissim, Raoul.

Ress, Thomas I., assignor, by mesne assignments, to Ampro Corporation, Chicago, Ill. Tensioning and detent means for strip film projectors. 2,622,476, Dec. 23.

Ress, Thomas I., Evanston, assignor to Consolidated Electric Company, Chicago, Ill. Margin guide for tele-autographic apparatus. 2,613,266, Oct. 7.

Ress, Thomas I., Evanston, assignor to Consolidated Electric Company, Chicago, Ill. Paper feed signal control. 2,618,704, Nov. 18.

Ress, Thomas I., Evanston, Ill. Permutation code printing receiver. 2,619,533, Nov. 25.

Ress, Thomas I., Evanston, assignor to Consolidated Electric Company, Chicago, Ill. Paper feed control apparatus. 2,621,249, Dec. 9.

Resser, Helen W., executrix: *See*—
Resser, Luther S.

Resser, Luther S., deceased, Youngstown, Ohio; H. W. Resser and The Dollar Savings and Trust Company, executors of said L. S. Resser. Apparatus for expanding the ends of pipes. 2,623,570, Dec. 30.

Restivo, Angelo, Jamaica, assignor to Laboratory Furniture Company, Inc., Long Island City, N. Y. Industrial cabinet. 2,620,251, Dec. 2.

Restivo, Angelo, Jamaica, assignor to Laboratory Furniture Company, Inc., Long Island City, N. Y. Industrial cabinet. 2,620,252, Dec. 2.

Resuggan, John C. L., assignor to Industrial and Commercial Detergents Limited, London, England. Sterilizing detergent composition and use. 2,599,127, June 3.

Resurrection Mining Company, assignee: *See*—
Tatman, Kenneth L.

Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recording system for call data in automatic telephony. 2,594,495, Apr. 29.

Retel, Jules M. R., Neuilly-sur-Seine, France. Fuel-injection pump. 2,622,577, Dec. 23.

Rethey, Albert R.: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.

Rethoret, Paul: *See*—
Toy, John A., and Rethoret.

Retter, Harry R., and C. R. Greene, Tipp City, Ohio; said Retter assignor to said Greene. Form compensating means. 2,613,602, Oct. 14.

Rettinger, Leonard, assignee: *See*—
Altieri, Onorino.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Push-pull signaling system. 2,587,219, Feb. 26.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Microphone mount. 2,610,018, Sept. 9.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Stock reel. 2,609,591, Sept. 9.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Machine tool. 2,618,044, Nov. 18.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Stock feed means. 2,623,267, Dec. 30.

Retzlaff, Walter G., Grosse Pointe, Mich. Trailer vehicle with landing gear and tail gate elevator. 2,601,170, June 17.

Reuben, Samuel, New Rochelle, N. Y. Primary cell and battery. 2,606,941, Aug. 12.

Reuge, Guido, Ste.-Croix, Switzerland. Ski binding. 2,600,688, June 17.

Reuter, Ernst: *See*—
Gissel, Adolf, and Reuter.

Reuter, Frederic W., Towanda, Pa. Cassette. 2,590,891, Apr. 1.

Reuter, Frederic W., Towanda, Pa. X-ray film exposure holder. 2,590,892, Apr. 1.

Reuter, Gottfried: *See*—
Mork, George W., and Reuter.

Reutter, Jean-Léon, Geneva, Switzerland. Electromagnetically driven self-regulating fluid compressor for use in refrigerating machines. 2,605,042, July 29.

Revco, Inc., assignee: *See*—
Forsthoefel, Gregg F., and Newton.
Kafer, Clare H.

Revell, Louis A., Los Angeles, Calif. Ash tray. 2,580,837, Jan. 1.

Reverchon, Claude, Lons-le-Saunier, France. Code signal transmission system. 2,594,071, Apr. 22.

Revere Camera Company, assignee: *See*—
Briskin, Theodore S.
Golick, Joseph J., and Moore.
Lustig, Frank.
Pellar, Fred, and Zivny.

Revere Copper and Brass Incorporated, assignee: *See*—
Hohl, Russell L.
Ray, Hjalmer A.
Welden, William A.
Welden, William A., and Wyman.
Wyman, Glenn C.

Revere Corporation of America, assignee: *See*—
MacDonald, Dennison H.
MacDonald, Dennison H., and Poe.
Nicholls, Malcolm B.

Revers, Nicolaas, Limmen, Netherlands. Road roller. 2,612,090, Sept. 30.

Revett, Raymond H.: *See*—
Dyer, Frederic T., and Revett.

Revo Electric Co. Limited, assignee: *See*—
Felton, Albert E., and Price.

Rex, Charles H., Marblehead, Mass., assignor to General Electric Company. Ovate roadway reflector. 2,599,285, June 3.

Rex, Harold B., Falls Church, Va. Inductance-capacitance resonance circuit. 2,611,094, Sept. 16.

Rex, Walter A.: *See*—
Ogorzaly, Henry J., and Rex.

Rex, Walter A., Westfield, N. J., assignor to Standard Oil Development Company. Coking of carbonaceous fuels. 2,608,526, Aug. 26.

Rex, Walter A., and C. L. Read, Westfield, N. J., assignors to Standard Oil Development Company. Manufacture of cement. 2,592,468, Apr. 8.

Rexart Metal Industries, Inc., assignee: *See*—
Rechler, Morton D.

Rexford Paper Company, assignee: *See*—
Westphal, Walter.

Rey-Bellet, Gerald: *See*—
Spiegelberg, Hans, and Rey-Bellet.

Reygagne, Léonce: *See*—
Eyt, Eugène, and Reygagne.

Reynard, Chauncey G., and C. D. Hoover, assignors to Basic Products Corporation, Fort Wayne, Ind. Timer-switch control mechanism. 2,589,139, Mar. 11.

Reynard, Chauncey G., and H. L. Hart, assignors to Basic Products Corporation, Fort Wayne, Ind. Time-controlled switch. 2,611,429, Sept. 23.

Reynaud, S. Chester, Detroit, Mich. Rotary operator for casement windows. 2,610,054, Sept. 9.

Reynolds, Blake: *See*—
Eastman, Du Bois, Barber, and Reynolds.

Reynolds, Daniel P., Massillon, Ohio. Dipping form. 2,583,593, Jan. 29.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of N-substituted nitrogen heterocyclic bases. 2,581,443, Jan. 8.

Reynolds, Delbert D., and W. O. Kenyon, assignor to Eastman Kodak Company, Rochester, N. Y. Poly N-vinyl sulfonamides. 2,600,806, June 17.

Reynolds, Delos J., Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Subsynchronous intermittent-voltage apparatus. 2,583,158, Jan. 22.

Reynolds, Delos J., assignor of one-half to International Harvester Company, Chicago, Ill., and one-half to Westinghouse Electric Corporation, Pittsburgh, Pa. Removable carrier tray for gear hardening apparatus. 2,611,473, Sept. 23.

Reynolds, Donald, Niles, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y. Mixing mechanism for liquid and beverage dispensing apparatus. 2,585,172, Feb. 12.

Reynolds, Donald F., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle frame structure. 2,611,627, Sept. 23.

Reynolds, Donald K.: *See*—
McCouch, Gordon P., and Reynolds.

Reynolds, Donald L., Independence, Mo. Connection for reversible iron cords. 2,588,986, Mar. 11.

Reynolds, Earl C., Detroit, Mich. Feeder. 2,582,505, Jan. 15.

Reynolds, Foster N., Jr., Upper Darby, Sol Zechtzer, and M. V. Kiebert, Jr., assignors to Raymond Rosen Engineering Products, Inc., Philadelphia, Pa. Multiplex telemetric system. 2,592,737, Apr. 15.

Reynolds, Fred P., assignor to Gesner Machine Company, Hamden, Conn. Safety device for woodworking machines. 2,612,914, Oct. 7.

Reynolds, Frederick L., San Francisco, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrometer ion source. 2,583,121, Jan. 22.

Reynolds, Harold B., Oneida, N. Y. Voltage limiting rectifier unit. 2,623,119, Dec. 23.

Reynolds, Harold B., St. Albans, W. Va. Pressing iron. 2,606,379, Aug. 12.

Reynolds, Harold C., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rotary driven percussive tool. 2,613,662, Oct. 14.

Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Self-locking bearing collar. 2,584,740, Feb. 5.

Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Thrust bearing. 2,593,919.

Reynolds, Harry B., and C. G. Bidwell, assignors to The Fafnir Bearing Company, New Britain, Conn. Applying a seal to a radial groove. 2,586,087, Feb. 19.

Reynolds, Henry J., Wheaton, Ill., and V. R. Strong, Ogden, Utah, assignors to Armour and Company, Chicago, Ill. Poultry feeding machine. 2,619,935, Dec. 2. Apr. 22.

Reynolds, Hylus G., Plasa, Wash. Cue holder. 2,613,079, Oct. 7.

Reynolds, James A.: *See*—
Adams, James W., and Reynolds.

Reynolds, James L., Elizabethton, Tenn., assignor, by mesne assignments, to Beaunit Mills, Inc., New York, N. Y. Spool holder. 2,616,633, Nov. 4.

Reynolds, James L., Sr., assignor to Sam Schwartz Machinery Corporation, Charlotte, N. C. Perforated pattern mechanism for looms. 2,600,128, June 10.

Reynolds, John F., Grinnell, Iowa. Union overall garment construction. 2,585,840, Feb. 12.

Reynolds, John J., East Orange, N. J. Sash hanger. 2,602,956, July 15.

Reynolds, Julian L., Richmond, Va. Forming continuous pipes. 2,605,202, July 29.

Reynolds, Kenneth W., Mayfield Heights, Ohio, assignor to General Electric Company. Brushing apparatus for burners. 2,593,920, Apr. 22.

Reynolds, Lee T., Denver, Colo., assignor of five percent to Benjamin N. Tager, Los Angeles, Calif. Solid cross vane rotary pump. 2,585,406, Feb. 12.

Reynolds, Lee T., Hollywood, Calif. Aural protective device. 2,619,960, Dec. 2.

Reynolds Metals Company, assignee: *See*—
Burrack, Harry B.
Eichner, Frank L.
Fritzlen, Thomas L.
Hammond, Gordon.
Johnson, Arthur F.
Moore, George A.
Paulsen, Neal I.
Reynolds, Theron E.
Reynolds, William G.
Sebell, Harry.
Totten, Arthur I.

Reynolds, Noel S., St. Louis, Mo. Piston sealing assembly. 2,612,419, Sept. 30.

Reynolds, Noel S., St. Louis, Mo. Packing cup expander. 2,612,420, Sept. 30.

Reynolds, Peter W.: *See*—
Davies, Phineas, Reynolds, Coats, and Taylor.

Reynolds, Peter W., and R. L. Robinson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation and reactivation of foraminate catalysts. 2,604,455, July 22.

Reynolds, Theron E., assignor to M. K. Reynolds (doing business as The Lodi Flower Shop), Lodi, Calif. Corsage box. 2,605,895, Aug. 5.

Reynolds, William, Media, Pa. Thermocabinet. 2,616,269, Nov. 4.

Reynolds, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Emulsion polymerization with a redox catalyst comprising a diazo thioether. 2,583,277, Jan. 22.

Reynolds, William B., J. E. Wicklatz, and T. J. Kennedy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Emulsion polymerization of vinylidene compounds in the presence of hydroperoxides of alkyltetrahydronaphthalenes. 2,584,773, Feb. 5.

Reynolds, William B., Bartlesville, Okla., and C. F. Fryling, Phillips, Tex., assignors to Phillips Petroleum Company. Producing an improved synthetic rubber from a multicomponent monomeric material. 2,601,632, June 24.

Reynolds, William B., J. E. Wicklatz, and T. J. Kennedy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Emulsion polymerization of vinylidene compounds in the presence of hydrazine-alkylene-polyamine compositions. 2,606,893, Aug. 12.

Reynolds, William G., Cottondale, Ala. Method and apparatus for determining the freeness of wood pulp. 2,596,724, May 13.

Reynolds, William G., Louisville, Ky., assignor to Reynolds Metals Company. Producing aluminum-armored cables. 2,607,109, Aug. 19.

Reynolds, William J.: *See*—
Hartley, George C., Reynolds, and Haigh.
Wright, Esmond P. G., and Reynolds.

Reynolds, William W., and G. F. Lipsey, Pittsfield, Mass., assignors to General Electric Company. Resinous composition comprising zein, resinous pinewood extract, and liquid phenolic resin. 2,591,466, Apr. 1.

Rheem Manufacturing Company, assignee: *See*—
Anderson, Eugene J.
Bechter, Lyle W.
Evans, Llewellyn W.
James, Richard E., and Lampert.
Johns, Stanley S.
Johns, Stanley S., and Funk.
Maisch, Oliver.

Rheo-France Compagnie Internationale des Rheolaveurs a France, societe anonyme, assignee: *See*—
France, Antoine.

Rhines, Ralph J., Tacoma, Wash. Animal trap. 2,586,261, Feb. 19.

Rhines, Thomas B., Glastonbury, and W. Gerstenberger, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Hydraulic anticipator for variable pitch propellers. 2,623,600, Dec. 30.

Rhoades, Earle D., Coulee City, Wash., assignor to the United States of America as represented by the Secretary of the Interior. Surveying of subsurface water tables. 2,605,637, Aug. 5.

Rhoades, Raymond L., Barberton, Ohio. Ventilation. 2,595,885, May 6.

Rhoads, Albert B., Meadville, Pa., and W. F. Van Amburg, Oceanside, N. Y., assignors to Talon, Inc. Pocket concealed placket construction. 2,593,795, Apr. 22.

Rhoads, Chester A., and J. A. Hubbard, Dayton, Ohio, assignors, by mesne assignments, to The Dayton Taximeter Co. Taximeter. 2,583,966, Jan. 29.

Rhoads, Edwin E.: *See*—
Arnold, George, Schultz and Rhoads.

Rhoads, Henry E., Toledo, Ohio. Illuminated display. 2,619,752, Dec. 2.

Rhoads, James C., Erie, Pa., assignor to General Electric Company. Steering control for track laying vehicles. 2,605,852, Aug. 5.

Rhoads, John H., Reading, and L. F. Horvath, McAdoo, Pa. Adjustable ramp for tire chain application. 2,604,802, July 29.

Rhoads, Leonard H., assignor to L. W. Feller, St. Elmo, Ill. Well clearing apparatus. 2,597,261, May 20.

Rhoads, Robert D., Franklin, Pa. Thermostatic regulating valve. 2,581,045, Jan. 1.

Rhodes, Alan: *See*—
Asseff, Peter A., Mastin, and Rhodes.

Rhodes, Albert, Cleveland, Ohio. Handle connection. 2,593,609, Apr. 22.

Rhodes, Albert J., assignor to American Forging and Socket Company, Pontiac, Mich. Seat adjuster assembly. 2,612,208, Sept. 30.

Rhodes, Charles J., Wakefield, England. Hydraulic system for actuating the tool-carrying beam of sheet bending machines. 2,599,781, June 10.

Rhodes, Charles J., Wakefield, England. Press for drawing sheet metal. 2,615,412, Oct. 28.

Rhodes, Clement T., Ascot, England. Apparatus for precision grinding. 2,611,221, Sept. 23.

Rhodes, Fred C., Inglewood, Calif. Live bait box. 2,587,899, Mar. 4.

Rhodes, Gerald E., Gary, Ind., assignor to United States Steel Company. Grandstand superstructure. 2,606,345, Aug. 12.

Rhodes, H. C., assignee: *See*—
Lunsford, Joseph C.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Dough sheeting roll. 2,586,089, Feb. 19.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Automatic dough panning machine. 2,590,823, Mar. 25.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Apparatus for making bread. 2,604,057, July 22.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Apparatus for distributing moisture in bread. 2,605,722, Aug. 5.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Machine for reversely sheeting dough. 2,605,723, Aug. 5.

Rhodes, Herman S., Birmingham, Ala., assignor to St. Regis Paper Company, New York, N. Y. Charge measuring device. 2,621,884, Dec. 16.

Rhodes, M. H., Incorporated, assignee: *See*—
Van Valdenburgh, Merritt, and Laviana.

Rhodes, Oliver F., Peru, Ind. Liquid level controlled filling spout. 2,595,166, Apr. 29.

Rhodes, Philip H., Kingston, N. Y., assignor, by mesne assignments, to Koppers Company, Inc. Production of dimensionally stable hardened copolymer monohydric phenol, dihydric phenol-aldehyde resinous mass. 2,589,286, Mar. 18.

Rhodes, Thomas J., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Coaxial cable with helical insulation. 2,580,838, Jan. 1.

Rhodes, Thomas J., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Apparatus for testing cord fatigue. 2,612,040, Sept. 30.

Rhodes, William A.: *See*—
De Forest, Lee, and Rhodes.

Rhodes, William A., Phoenix, Ariz. Steering control for model aircraft. 2,599,484, June 3.

Rhodin, Carl M., Newport, R. I. Lathe tool holder. 2,609,593, Sept. 9.

Rhyno, Charles F. and M. L., Modesto, Calif. Field check forming machine. 2,605,562, Aug. 5.

Rhyno, Marion L.: *See*—
Rhyno, Charles F. and M. L.

Rhys-Jones, John E.: *See*—
Anderson, Edward G. O., Blundell, and Rhys-Jones.

Rialto Corporation, The, assignee: *See*—
Schmitt, William H.

Riat, Henri, and H. Mayer, assignors to Ciba Limited, Basel, Switzerland. Cupriferous disazo-dyestuffs. 2,590,346, Mar. 25.

Riat, Henri, W. Anderau, J. Wegmann, H. Mayer, and K. Menzi, assignors to Ciba Limited, Basel, Switzerland. Dyeing cellulosic fibers with difficultly water-soluble copper compounds of dyestuffs using a copper-free dyestuff, and aliphatic amine, and a complex copper compound of an aliphatic hydroxy carboxylic acid. 2,594,803, Apr. 29.

Ribaudo, Andrew A., and J. Orilia, Brooklyn, N. Y. Telephone memorandum device or holder. 2,587,220, Feb. 26.

Ribeiro, Walter G., Camden, N. J. Apparatus for making clear ice blocks. 2,601,324, June 24.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Radio-frequency transmission line circuit. 2,585,173, Feb. 12.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Balanced duplexer. 2,586,993, Feb. 26.

Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Wave guide feed for cylindrical paraboloid. 2,589,433, Mar. 18.

Riblet, Henry J., Erie, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Directional slot antenna. 2,605,411, July 29.

Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Collinear sleeve type antenna array. 2,605,412, July 29.

Riblet, Joel P., Galion, Ohio. Combination hat and coat rack. 2,614,702, Oct. 21.

Riblet, Royal N., Spokane, Wash. Pattern sprinkler. 2,601,559, June 24.

Riblett, Earl W.: *See*—
Rubin, Louis C., Riblett, and McGrath.

Riblett, Earl W., Tenafly, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Conversion of carbonaceous materials. 2,600,430, June 17.

Riblett, Earl W., Tenafly, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic conversion. 2,616,914, Nov. 4.

Ribond, Jacques M., Baltimore, Md. Vapor selective breather. 2,583,062, Jan. 22.

Ricard, Carl A.: *See*—
Davis, Charles S. Jr., Humphries, and Ricard.

Ricardo & Co. Engineers (1927) Limited, assignee: *See*—
Goldsmith, Charles N.
Ricardo, Harry R.
Ricardo, Harry R., and Holt.

Ricardo, Harry R., assignor to Ricardo & Co. Engineers (1927) Limited, London, England. Supercharged internal-combustion engine. 2,583,882, Jan. 29.

Ricardo, Harry R., London, and G. A. Holt, Shoreham-by-Sea, assignors to Ricardo & Co. Engineers (1927) Limited, London, England. Internal-combustion engine. 2,594,681, Apr. 29.

Ricards, Charles L.: *See*—
Tollison, Paul L., and Ricards.

Riccomagno, Guglielmo, Milan, Italy. Electric incandescent lamp. 2,592,823, Apr. 15.

Rice, Billy W.: *See*—
Koehler, Garfield R., and Rice.

Rice, Curtis D., Kalamazoo, Mich. Dough divider for bakeries. 2,619,051, Nov. 25.

Rice, Cyril M., Montreal, Quebec, Canada, assignor to Sinclair & Valentine Company, New York, N. Y. Making colored aluminum. 2,614,912, Oct. 21.

Rice, Cyrus W., Pittsburgh, Pa. Timing boiler blowdowns. 2,597,597, May 20.

Rice, Duncan, Kalamazoo, Mich. Binder or loose sheet holder. 2,596,600, May 13.

Rice Engineering Corporation, assignee: *See*—
Kennon, Lorenzo.

Rice, Francis L., assignee: *See*—
Redmon, Charles H.

Rice, Frederick H., Van Nuys, Calif. Telephone tray and retractable memo pad. 2,582,562, Jan. 15.

Rice, Frederick H., Van Nuys, Calif. Record album. 2,600,023, June 10.

Rice, George P., Nashville, Tenn. Offshore drilling apparatus and installing the same. 2,622,404, Dec. 23.

Rice, Harold W.: *See*—
Eskin, Samuel G., and Rice.
Eskin, Samuel G., Rice, and Arkelyan.

Rice, Harold W., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Control device for gaseous fuel burners. 2,591,870, Apr. 8.

Rice, Harold W., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Control device. 2,603,229, July 15.

Rice, James C., and C. Krick, assignors to The Selby Shoe Company, Portsmouth, Ohio. Shoe shank. 2,585,588, Feb. 12.

Rice, James V., Cincinnati, Ohio, assignor to Buckeye Cotton Oil Company, Memphis, Tenn. Making a feed composition. 2,607,687, Aug. 19.

Rice, James V., Cincinnati, Ohio, assignor to Buckeye Cotton Oil Company, Memphis, Tenn. Preparation of cottonseed meal. 2,615,808, Oct. 28.

Rice, James W.: *See*—
Dixon, Alfred L., Gore, and Rice.

Rice, John E.: *See*—
Baker, Stanley W., and Rice.

Rice, John H., Minneapolis, Minn. Cruciform checker board. 2,614,842, Oct. 21.

Rice, Owen R., and A. J. Whitcomb, Chicago, Ill., assignors, by mesne assignments, to Koppers Company, Inc. Valve control system for blast furnace stoves. 2,601,979, July 1.

Rice, Philip K., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Shaft seal for low-temperature expansion engines. 2,608,380, Aug. 26.

Rice, Philip K., and E. F. Yendall, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Low-pressure process of and apparatus for separating gas mixtures. 2,619,610, Dec. 2.

Rice, Trenton, assignee: *See*—
Gillaspy, John D.

Rice, Walter A., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Carpet cutter. 2,603,866, July 22.

Rice, William W., Chicago, Ill. Drinking cup for use by infants and invalids such as chair and bedridden patients. 2,608,841, Sept. 2.

Rice, William W., Chicago, Ill. Drinking cup. 2,622,420, Dec. 23.

Rich, Barrett G., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Lubricating means for change-speed transmissions and the like. 2,608,272, Aug. 26.

Rich, Beldon L.: *See*—
Hery, Vincent D., and Rich.

Rich, Everett W., Stockton, Calif. Registering device for counting the operations of oscillatory machine elements. 2,613,873, Oct. 14.

Rich, Leland D., Kensington, assignor to The Stanley Works, New Britain, Conn. Box strapping tool. 2,595,886, May 6.

Rich, Marion C., Denver, Colo., assignor to The Reece Corporation, Boston, Mass. Sewing machine. 2,581,046, Jan. 1.

Rich, Marion C., Denver, Colo., assignor to The Reece Corporation, Boston, Mass. Buttonhole sewing machine. 2,604,062, July 22.

Rich, Stanley R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Electronically controlled low impedance phase shifting device. 2,592,738, Apr. 15.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Ground detector circuit. 2,594,994, Apr. 29.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Sensitive moving chart graphic recorder. 2,606,092, Aug. 5.

Rich, Theodore A., Schnectady, N. Y., assignor to General Electric Company. Radiation monitoring device. 2,622,207, Dec. 16.

Rich, Theodore A., and J. E. Bigelow, Schenectady, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Electrometer for pocket chambers. 2,582,163, Jan. 8.

Rich, Theodore A., and J. E. Bigelow, Schenectady, N. Y., assignors to General Electric Company. Thermal standard cell. 2,595,814, May 6.

Rich, William D., Elgin, Ill. Mold. 2,591,607, Apr. 1.

Richard, Fritz: *See*—
Eckel, John E., and Richard.

Richard, Gilbert, Epone, assignor to Office National d'Etudes & de Recherches Aeronautiques, Paris, France. Rotary wing device. 2,614,639, Oct. 21.

Richard, Herbert, assignee: *See*—
Dean, Walter.

Richard, Joseph U., Montreal, Quebec, Canada. Sander for motor vehicles. 2,623,766, Dec. 30.

Richard, Kenneth L.: *See*—
Elser, William F., and Richard.

Richard, Millard A., Lakeville, Ind. Egg candler and grader. 2,613,808, Oct. 14.

Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator shelf. 2,613,818, Oct. 14.

Richards, Charles H., Flushing, N. Y. Apparatus for producing a stream of electrically charged multimolecular particles. 2,600,129, June 10.

Richards, Clarence B.: *See*—
Perdue, Dwight J., and Richards.

Richards, Clarence J., Monrovia, assignor to Ricka Richards, Los Angeles, Calif. Television antenna construction. 2,608,658, Aug. 26.

Richards, Claude L., and E. J. Glaisher, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiband resonant system wherein each band is step-wise tunable. 2,591,965, Apr. 8.

Richards, Dorothy, assignee: *See*—
Velghe, Alphonse.

Richards, Edwin R., Provo, Utah, assignor to United States Steel Company. Apparatus for cleaning furnace checker works. 2,604,358, July 22.

Richards, George F., Garden City, assignor to Teletronics Laboratory, Inc., Westbury, N. Y. Automatic door control system. 2,588,879, Mar. 11.

Richards, George F., Garden City, assignor to Teletronics Laboratory, Inc., Westbury, N. Y. Door drive system. 2,588,880, Mar. 11.

Richards, George F., Garden City, assignor to Teletronics Laboratory, Inc., Westbury, N. Y. Reversible electric control system. 2,611,888, Sept. 23.

Richards, Hans K., assignor to Motorola, Inc., Chicago, Ill. Frequency modulation system. 2,598,722, June 3.

Richards, Hans K., assignor to Motorola, Inc., Chicago, Ill. Thermostatically controlled crystal unit. 2,607,818, Aug. 19.

Richards, J. A., Company, assignee: *See*—
Richards, John A., Jr.
Richards, Robert E.

Richards, John A., Jr., assignor to J. A. Richards Company, Kalamazoo, Mich. Routing machine. 2,596,868, May 13.

Richards, John M., Stony Point, N. Y. Stereoscopic target for testing eyes. 2,603,124, July 15.

Richards, John W., and B. G. Harris, Pampa, Tex. Drain valve. 2,612,904, Oct. 7.

Richards, Lawrence W.: *See*—
McCabe, Hilton H., Connell, Dailey, and Richards.

Richards, Max T., Orlando, Fla. Fluid controlled switch. 2,616,004, Oct. 28.

Richards, Raymond C., New Brighton, Pa., assignor to United States Steel Company. Apparatus for cold-reducing tubular metal stock. 2,617,319, Nov. 11.

Richards, Richard A.: *See*—
Kabell, Louis J., Richards, and Dyer.

Richards, Ricka, assignee: *See*—
Richards, Clarence J.

Richards, Robert E., assignor to J. A. Richards Company, Kalamazoo, Mich. Tubular router. 2,596,867, May 13.

Richards, Ward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Thermocouple device. 2,584,615, Feb. 5.

Richards, Ward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Thermocouple device. 2,584,616, Feb. 5.

Richards, Willard R., Warren, Ohio. Shuttlecock type play ball. 2,613,935, Oct. 14.

Richardson, Arthur B. F. G., E. Tunnicliff, and I. K. Fisher, Leigh, assignors to British Insulated Callender's Cables Limited, London, England. Apparatus for covering electric conductors and cable cores with rubber or similar material. 2,591,608, Apr. 1.

Richardson, Arthur B. F. G., E. Tunnicliff and I. K. Fisher, Leigh, assignors to British Insulated Callender's Cables Limited, London, England. Extrusion apparatus. 2,607,953, Aug. 26.

Richardson, Arthur D., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Suspension galvanometer and magnet assembly. 2,599,661, June 10.

Richardson, Avery G., Boonton, N. J., and F. O. Chesus, Bayport, N. Y., assignors, by mesne assignments, to Federal Telephone and Radio Corporation, Clifton, N. J. Direction finder. 2,581,444, Jan. 8.

Richardson, Beverly E., assignor of one-half to J. C. Weaver, Richmond, Va. Shipping platform. 2,602,944, July 15.

Richardson, Charles G., assignor to Parks & Woolson Machine Co., Springfield, Vt. Rotary shearing member. 2,606,355, Aug. 12.

Richardson, Clarence, assignor of one-half to R. F. Blanchfield, Lake City, Iowa. Stake or post driver. 2,593,186, Apr. 15.

Richardson, Clarence A., Longmont, Colo. Machine for longitudinally corrugating long metal sheets. 2,605,810, Aug. 5.

Richardson Company, The, assignee: *See*—
Keller, Charles L.

Richardson, Dale L., assignor to Caterpillar Tractor Co., Peoria, Ill. Pressure sensitive engine shutdown device. 2,580,596, Jan. 1.

Richardson, David A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulically operated engine-propeller control. 2,612,958, Oct. 7.

Richardson, Earl L.: *See*—
Apperson, Lester D., and Richardson.

Richardson, Earl L., Hyde Park, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Electrostatic precipitator. 2,604,183, July 22.

Richardson, Edgar C., Wenonah, N. J. Window construction. 2,595,167, Apr. 29.

Richardson, Frank L., Hicksville, and P. R. Cronin, Elmhurst, N. Y., assignors to The Sperry Corporation. Internal-combustion engine power analyzer. 2,622,441, Dec. 23.

Richardson, Frederick E., Pittsburgh, Pa. Holder for grinding metallurgical samples. 2,618,108, Nov. 18.

Richardson, Garwood C., Chicago, and G. W. Rapp, Glen Ellyn, assignors to Chicago Endocrine Research Company, Chicago, Ill. Pregnancy test. 2,587,221, Feb. 26.

Richardson, Harry L.: *See*—
Hedberg, Carl W. J., and Richardson.

Richardson, Harry L., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Apparatus for and method of handling dusty materials. 2,596,601, May 13.

Richardson, Harry L., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Dispersing high-boiling liquids in gases. 2,598,304, May 27.

Richardson, Harry L., Prospect Park, Pa., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 2,595,204, Apr. 29.

Richardson, Harry L., Prospect Park, Pa., assignor to Research Corporation, New York, N. Y. Apparatus for recovery of gas-suspended solids. 2,603,307, July 15.

Richardson, Henry K.: *See*—
Laidig, Alfred H., and Richardson.

Richardson, Henry M., and W. S. Larson, assignors to De Bell & Richardson, Inc., Springfield, Mass. Protective eyeshield. 2,589,575, Mar. 18.

Richardson, Hershel C.: *See*—
Richardson, Paul B., and H. C.

Richardson, Hubert L., Bremerton, Wash. Hat holder. 2,596,287, May 13.

Richardson, Irving, Newark, N. J. Water gun. 2,589,963, Mar. 18.

Richardson, James A., Burlingame, Calif. Anklet. 2,592,739, Apr. 15.

Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Coupling for double-walled pipes. 2,613,958, Oct. 14.

Richardson, James C., Waterbury, assignor to The Brockway Company, Naugatuck, Conn. Coupling for threadless pipes. 2,613,959, Oct. 14.

Richardson, John N., assignor to Modern Equipment Company, Port Washington, Wis. Charging bucket. 2,602,000, July 1.

Richardson, Jules V., Chicago, Ill. Cigarette lighter. 2,599,939, June 10.

Richardson, Lawrence, and W. S. Richardson, Cambridge, Mass. Hand truck. 2,597,532, May 20.

Richardson, Lloyd D., Sr., Spring Valley, assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Apparatus for hot-pressing powdered metals. 2,598,015, May 27.

Richardson, Lloyd D., Sr., Spring Valley, assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Apparatus for hot-pressing powdered metals. 2,598,016, May 27.

Richardson, Margaret, Winnipeg, Manitoba, Canada. Juice overflow catchment trough. 2,620,790, Dec. 9.

Richardson, Martin A., assignor to J. I. Case Company, Racine, Wis. Crop cutting and delivery unit for forage cutters. 2,594,583, Apr. 29.

Richardson, Martha A., Akron, Ohio. Brassière. 2,607,039, Aug. 19.

Richardson, Max C., Portland, Oreg. Electrically heated crib bottom. 2,621,279, Dec. 9.

Richardson, Max S.: *See*—
Brattain, Walter H., Klein, and Richardson.
Bredehoft, Harold A., and Richardson.

Richardson, Mercur M., East Northport, N. Y. Detachable locking device for furniture elements. 2,585,683, Feb. 12.

Richardson, Paul B., and H. C., Alexandria, Ind. Electric safety switch. 2,611,061, Sept. 16.

Richardson, Paul H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridged T phase shifter. 2,585,841, Feb. 12.

Richardson, Paul H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridged T phase shifter. 2,585,842, Feb. 12.

Richardson, Pierce F.: *See*—
Bechman, William O., and Richardson.

Richardson, Ralph R., and W. H. Edmondson, Chicago, Ill., assignors to United Biscuit Company. Doctor blade mechanism. 2,593,344, Apr. 15.

Richardson, Ralph R., and W. H. Edmondson, Chicago, Ill., assignors to United Biscuit Company. Cylinder adjusting mechanism for rotary printing presses. 2,601,220, June 17.

Richardson, Ralph R., and D. W. Coy, assignors to Chicago Carton Company, Chicago, Ill. Apparatus for setting up paper receptacles. 2,608,139, Aug. 26.

Richardson, Richard P.: *See*—
Lewis, Richard W., and Richardson.

Richardson, Richard P., Erith, England. Voltaic battery. 2,583,063, Jan. 22.

Richardson, Ronald H., Hugglescote, and T. H. Wilson, assignors to Pegson Limited, Coalville, England. Machine for making roofing tiles. 2,586,714, Feb. 19.

Richardson, Walker S.: *See*—
Richardson, Lawrence, and W. S.

Richardson, William, Edgewood, Pa. Railway track servicing apparatus. 2,596,823, May 13.

Richardson, William, Pittsburgh, Pa. Railway track servicing apparatus. 2,602,694, July 8.

Richardson, William G.: *See*—
Kerr, Hugh M., Richardson, and Logan.
Richberry Electric Co., assignee: *See*—
Potekin, Gus G.
Riche, Arthur L., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Blade type snap acting device. 2,581,705, Jan. 8.
Riche, Arthur L., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Separable electrical connector. 2,591,009, Apr. 1.
Richelieu Corporation, assignee: *See*—
Meyer, Maximilian C., and Cherry.
Richert, Abraham J., Fort Wayne, Ind., assignor to General Electric Company. Self-tightening collet. 2,603,496, July 15.
Richeson, Sanford E., and J. A. Allegro, New York, N. Y., assignors of one-third to L. C. Huber, Ridgewood, N. J. Pressure cooking device. 2,586,715, Feb. 19.
Richeson, Sanford E., and J. A. Allegro, New York, N. Y., assignors of one-third to L. C. Huber, Ridgewood, N. J. Pressure cooking utensil. 2,594,584, Apr. 29.
Richetti, Anthony V., Jamestown, N. Y. Hairpin. 2,609,825, Sept. 9.
Richey, Charles V., Jamaica, N. Y. Coin collection and registering apparatus. 2,603,333, July 15.
Richey, Clarence B., assignor to Electric Wheel Company, Quincy, Ill. Auto sweep rake. 2,592,824, Apr. 15.
Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Material handling device. 2,597,374, May 20.
Richey, Clarence B., Royal Oak, assignor to Harry Ferguson, Inc., Detroit, Mich. Reversible implement and coupling therefor. 2,606,417, Aug. 12.
Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Belt drive for small diameter adjacent cylinders. 2,614,440, Oct. 21.
Richey, David M., Devon, assignor to United Aircraft Corporation, East Hartford, Conn. Gun adapter. 2,601,457, June 24.
Richey, Forrest A.: *See*—
Carroll, Burt H., and Richey.
Richfield Oil Corporation, assignee: *See*—
Natland, Manley L., and Pearson.
Travers, William J., Jr.
Richman, David L., assignee: *See*—
Rotheraine, Jerome H.
Richman, Donald, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative system for receiving angular-velocity-modulated wave signals. 2,613,315, Oct. 7.
Richman, Donald, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Self-quench superregenerative receiver. 2,616,039, Oct. 28.
Richman, Irving M.: *See*—
Gelfand, Max, and Richman.
Richman, William A., assignor to Stelber Cycle Corp., Brooklyn, N. Y. Stabilizer for bicycles. 2,601,994, July 1.
Richmond, George B., assignor to Hunter Fan and Ventilating Company, Inc., Memphis, Tenn. Shutter. 2,604,029, July 22.
Richmond, Howard B., and R. W. Mortensen, assignors to Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis. Coating feed mechanism for gate rolls. 2,604,067, July 22.
Richmond, James T., and R. J. Wigginton, assignors to National Titanium Pigments Limited, Luton, England. Manufacture of titanium pigments. 2,589,964, Mar. 18.
Richmond, Ralph R., Gun Plains Township, Allegan County, Mich. Vegetable harvester. 2,588,764, Mar. 11.
Richmond, Ralph R., Gun Plains Township, Allegan County, Mich. Vegetable cleaning and topping device. 2,594,995, Apr. 29.
Richmond Screw Anchor Co., Inc., assignee: *See*—
Grivel, Armand C., and Pilling.
Richolt, Robert R., Tujunga, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Power booster linkage providing pilot's feel. 2,591,871, Apr. 8.
Richtarsic, Joseph P., Pittsburgh, Pa. Ceramic spark arrester. 2,598,603, May 27.
Richter, Emil C., St. Louis, Mo. Bending machine for plywood or composition board. 2,582,653, Jan. 15.
Richter, Frederick P., Woodbury, N. J., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Condensation of beta-hydroxyethyl sulfides with compounds containing hydroxyl groups. 2,582,605, Jan. 15.
Richter, Frederick P., Woodbury, N. J., and B. A. Orkin, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Reaction of organosiliconhalides with organodithiols and diselenyl substituted organo compounds, and products thereof. 2,590,039, Mar. 18.
Richter, George A., E. L. Perkins, and L. E. Herdle, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of high butyryl cellulose esters. 2,622,080, Dec. 16.
Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Making artificial fibers or threads from viscose. 2,594,496, Apr. 29.
Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Modified cellulose esters. 2,595,410, May 6.
Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning young viscose. 2,598,834, June 3.
Richter, Hartmut W., Rahway, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Silica-extended tin oxide and preparing same. 2,600,689, June 17.
Richter, Hartmut W., Rahway, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Autoclaving of sodium stannate liquors. 2,621,109, Dec. 9.
Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery drying form. 2,586,994, Feb. 26.
Richter, Ludwig: *See*—
Grimmel, Harry W., Richter, and Morgan.
Richter, Max H., Chicago, Ill. Cord spring. 2,616,684, Nov. 4.
Richter, Raymond R., Milwaukee, Wis. Segregating adjoining printed impressions. 2,601,325, June 24.
Richterkessing, Frank H., Louisville, Ky. Treadle mechanism for operating valves or the like. 2,600,326, June 10.
Richterkessing, Frank H., and C. D. Hargadon, assignors to W. M. Cissell Manufacturing Co., Inc., Louisville, Ky. Water spray attachment for pressing irons. 2,602,704, July 8.
Richwine, Hugh K., Dodge City, Kans. Seeding distributing structure. 2,605,016, July 29.
Rick, Alphonse S.: *See*—
Studnicky, John P., and Rick.
Rick, Christian E.: *See*—
Kay, William L., and Rick.
Rickabaugh, William P., Tabor, Iowa. Electrical terminal block. 2,610,996, Sept. 16.
Rickard, Charlotte I., and K. J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,600,576, June 17.
Rickard, William H., Denver, Colo. Fishing lure. 2,597,035, May 20.
Rickena, Clarence, Chillicothe, Ill. Automatic tank ball. 2,599,940, June 10.
Rickenbach, August W., Williamsport, Pa., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Two-speed engine governor. 2,622,576, Dec. 23.
Rickenmann, Alfred, Kusnacht, near Zurich, assignor to Reishauer-Werkzeuge A.-G., Zurich, Switzerland. Device for truing and dressing grinding worms. 2,619,950, Dec. 2.
Ricker, Norman H., Tulsa, Okla., assignor to Standard Oil Development Company. Distortionless seismic wave filter. 2,588,291, Mar. 4.
Ricker, Richard W., Parkersburg, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Green-colored opal glass. 2,599,349, June 3.
Rickert, Hans F., Leverkusen-Bayerwerk, E. Stein, Leverkusen, and O. Bayer, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Preparing cyclohexene. 2,590,208, Mar. 25.
Rickert, Hans F., Leverkusen-Bayerwerk, E. Stein, Leverkusen, and O. Bayer, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Preparing cyclohexene. 2,596,102, May 13.
Ricket, Harold N.: *See*—
Griswold, Donald W., and Ricket.
Ricketts, Cliff L.: *See*—
Chester, Allan E., and Ricketts.
Ricketts, Robert E., Auburn, N. Y., assignor to General Electric Company. Intermediate frequency rejection circuit. 2,594,347, Apr. 29.
Rickhoff, Edward A.: *See*—
Rickhoff, John L. and E. A.
Rickhoff, John L. and E. A., Corona, Calif. Can straightener. 2,612,204, Sept. 30.
Rickles, William T., Oneonta, Ala. Laundry iron support. 2,584,370, Feb. 5.
Rickles, William T., Oneonta, Ala. Laundry iron support. 2,599,941, June 10.
Rickner, George E., and O. F. Koenig, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing glass sheets or plates. 2,597,182, May 20.
Rickrode, Paul A.: *See*—
Clarke, Eugene C., Jr., and Rickrode.
Rickrode, Paul A., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop hammer of the gravity type. 2,604,071, July 22.
Ricks, Bernard E.: *See*—
Booth, James H., and Ricks.
Ricks, Bernard E., Ferndale, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Swivel joint. 2,621,950, Dec. 16.
Ricks, Fred: *See*—
James, Cyril H., and Ricks.
Ricks, Thomas A.: *See*—
Fishburne, Francis B., Hinnant, and Ricks.
Rickus, George M., and S. G. Hoffman, assignors to Hat Corporation of America, Norwalk, Conn. Treated fur fibers. 2,581,296, Jan. 1.
Riddell, Clarence V., Belmar, and C. A. Niedrach, Avon, N. J. Food handling device. 2,601,766, July 1.
Riddell, Donald W.: *See*—
Strickland, Harold A., Jr., and Riddell.

Riddell, Donald W., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Time control means for periodic operating apparatus. 2,604,574, July 22.
Riddell, Leo H., assignee: *See*—
Guibord, Paul E. M.
Riddell, Wallace C., Berkeley, and G. B. Kirk, Redwood City, Calif., assignors to Henry J. Kaiser Company. Water repellent gypsum product and making same. 2,597,901, May 27.
Riddell, Wallace C., Berkeley, and G. B. Kirk, Redwood City, Calif., assignors to Henry J. Kaiser Company. Cementitious composition. 2,604,411, July 22.
Riddell, Wallace C., Berkeley, and G. B. Kirk, Redwood City, assignors, by mesne assignments, to Kaiser Gypsum Company, Oakland, Calif. Water-repellant gypsum product. 2,610,130, Sept. 9.
Ridderikhoff, Jacob: *See*—
De Jong, Petrus W. M. M., van Huis, and Ridderikhoff.
Riddle, Don, Fairfax, Calif. Drawer pull gauge. 2,582,606, Jan. 15.
Riddle, Harry J.: *See*—
Walker, Allan B., and Riddle.
Riddle, Pearl K., administratrix: *See*—
Riddle, Roy A., and Mesh.
Riddle, Richard T.: *See*—
Bickell, Stanley F., Shaw, Riddle, and Garrard.
Riddle, Roy A., deceased, Summit, N. J., and T. J. Mesh, Easthampton, Mass.; P. K. Riddle, administratrix of said R. A. Riddle, and said T. J. Mesh assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electronic grounding apparatus. 2,611,862, Sept. 23.
Ride-A-Mower Company, The, assignee: *See*—
De Eugenio, Lewis J.
Ridenhour, Joseph C., assignor to Cannon Mills Company, Kannapolis, N. C. Bed sheet. 2,605,483, Aug. 5.
Ridenour, Wayne F., Oak Park, assignor to Chesire Mailing Machines, Inc., Chicago, Ill. Machine for applying address labels. 2,606,681, Aug. 12.
Ridenour, William P., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Wax production process. 2,611,734, Sept. 23.
Rideout, Arthur E., Chicago, Ill., assignor, by mesne assignments, to Emhart Manufacturing Company. Machine for closing cartons. 2,584,925, Feb. 5.
Rideout, Dean B., assignee: *See*—
Rochester, Lester L.
Rider, George H., Valley Stream, N. Y. Drive shaft means for colloid mills. 2,591,966, Apr. 8.
Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Pneumatically actuated valve controlling apparatus. 2,590,347, Mar. 25.
Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Foam injection sprinkler system. 2,590,348, Mar. 25.
Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Foam injection sprinkler system with anticontamination connections. 2,590,349, Mar. 25.
Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Automatic sprinkler. 2,591,872, Apr. 8.
Rider, Leroy, assignor of one-fourth to O. Perron, Lake Charles, La. Ignition timing device for internal-combustion engines, including distributor rotating and locking means. 2,615,929, Oct. 28.
Rider, Morgan W.: *See*—
Brandt, Weldon H., Rider, and Westphal.
Rider, Warren M.: *See*—
Burge, James S., McKee, Rider, Conrad, and Foust.
Foust, Floyd J., Shaw, McKee, Rider and Burge.
Ridge, Bertram P.: *See*—
Hall, John D. H., Ridge, and Whinfield.
Ridge, Bertram P., Potters Bar, England, assignor to Imperial Chemical Industries Limited. Production of close woven cellulose fabrics by dissolving terylene support yarn. 2,607,656, Aug. 19.
Ridge, Donald C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Power-actuated rotary tool. 2,600,827, June 10.
Ridge Tool Company, The, assignee: *See*—
Ingwer, Carl H.
Ridgely, Holland F., Grand Island, N. Y., and F. A. Crocker, Jenison, assignors to Lear, Incorporated, Grand Rapids, Mich. Antifriction device for planetary transmissions. 2,591,967, Apr. 8.
Ridgely, Richard, Bayside, N. Y. Cooking device. 2,588,046, Mar. 4.
Ridgers, Frederick G., assignor to N. Slater Company, Limited, Hamilton, Ontario, Canada. Crossarm clevis. 2,610,818, Sept. 16.
Ridgers, Frederick G., assignor to N. Slater Company Limited, Hamilton, Ontario, Canada. Ground rod bond. 2,611,001, Sept. 16.
Ridgers, Frederick G., and C. W. Cassels, assignors to N. Slater Company Limited, Hamilton, Ontario, Canada. Insulator secured under tension to an insulator rack. 2,612,540, Sept. 30.
Ridgeway, Leroy E.: *See*—
English, Aaron, and Ridgeway.
Ridgley, Cornelius J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Reverse cascading. 2,617,861, Nov. 11.
Ridgway, Charles M.: *See*—
Woertz, Byron B., Henderson, and Ridgway.
Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Frame construction around openings of trailers and other vehicles and structures. 2,597,841, May 20.
Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Underframe structure for land vehicles, especially trailers. 2,621,059, Dec. 9.
Ridgway, John A., Jr., assignor to Pan American Refining Corporation, Texas City, Tex. Catalytic conversion with hydrofluoric acid. 2,592,740, Apr. 15.
Ridgway, John A., Jr., assignor to Pan American Refining Corporation, Texas City, Tex. Fractionating apparatus. 2,594,585, Apr. 29.
Riding, Thomas, assignor to Goodall-Sanford, Inc., Sanford, Maine. Lint cleaner. 2,621,393, Dec. 16.
Ridings, Garvice H.: *See*—
Wise, Raleigh J., and Ridings.
Ridings, Garvice H., Summit, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Two-way communication system between two facsimile transceivers. 2,616,963, Nov. 4.
Ridings, Garvice H., Summit, N. J., and F. G. Halden, Bellerose, N. Y., and F. L. Currie, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Two-way facsimile communication system. 2,606,963, Aug. 12.
Ridings, Garvice H., Summit, N. J., and J. H. Hackenberg, Flushing, assignors to The Western Union Telegraph Company, New York, N. Y. Stylus assembly for facsimile recorders. 2,607,654, Aug. 19.
Ridings, Gordon C.: *See*—
Berry, George E., and Ridings.
Ridler, Desmond S., and D. A. Weir, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Gas-filled discharge tube circuits. 2,623,199, Dec. 23.
Ridley, Frank F., Ponteland, England. Separation of minerals having different specific gravities in a body of liquid medium. 2,598,305, May 27.
Ridley, Ian M., Burbank, Calif. Hopper with bottom discharge opening and means for metering the passage of granular material through said opening into a delivery conduit. 2,594,072, Apr. 22.
Ridley, Ian M., Los Angeles, Calif. Valve. 2,608,801, Sept. 2.
Ridley, John: *See*—
Ward, Robert, and Ridley.
Ridner, George S., Sr., Newark, N. J. Combination toothbrush and case. 2,620,500, Dec. 9.
Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combined wall and desk telephone set. 2,603,719, July 15.
Rieber, Frank, deceased, late of New York, N. Y., by Lu G. Rieber, executrix, New York, N. Y., assignor to Geovision Incorporated. Scanning system. 2,618,764, Nov. 18.
Rieber, Lu Garda, executrix: *See*—
Rieber, Frank.
Riebman, Leon, and S. Lambert, Philadelphia, Pa. Laboratory gas burner and valve operator. 2,609,870, Sept. 9.
Riechelson, Morris, Brooklyn, N. Y. Walking doll. 2,593,187, Apr. 15.
Riecken, George C.: *See*—
Riecken, George L. and G. C.
Riecken, George L. and G. C., near Evansville, assignors to Schnacke Manufacturing Corporation, Evansville, Ind. Shoe sole cutting off device. 2,581,771, Jan. 8.
Ried, Edward A., Jr., Camden, N. J. Protective cover for television tubes. 2,586,716, Feb. 19.
Riedel, Frederick W., Belle Vernon, Pa., assignor to United States Steel Company. Indexing device. 2,610,531, Sept. 16.
Riedel, Walter W.: *See*—
Swan, Harry C., and Riedel.
Riedel, Walter W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Window actuator control. 2,621,037, Dec. 9.
Rieder, Thomas W., Pittsburgh, Pa. Signaling device. 2,603,698, July 15.
Riegel, Byron, Evanston, Ill., assignor to The Glidden Company, Cleveland, Ohio. Producing conjugated steroids. 2,621,190, Dec. 9.
Riegel, Glen C., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Steel nut and making. 2,615,119, Oct. 21.
Riegel Paper Corporation, assignee: *See*—
Fisher, Jacob I., and Borden.
Rieger, Ernest W., Bloomingdale, Ohio, assignor to National Steel Corporation. Apparatus for electrocoating striplike material. Re. 23,456, Jan. 22.
Rieger, Frederic L., assignor to The Monarch Marking System Company, Dayton, Ohio. Tag-marking machine cutoff knife. 2,586,383, Feb. 19.
Rieger, Frederic L., assignor to The Monarch Marking System Company, Dayton, Ohio. Adjustable and shiftable feed finger mechanism for tag marking machines. 2,586,563, Feb. 19.

Riegert, Jacques: *See*—
Jouandet, Christian, and Riegert.
Riell, Ralph, Brooklyn, N. Y. Bed spring. 2,611,137, Sept. 23.
Riemann, Howard C., Milwaukee, assignor to The Fulton Company, West Allis, Wis. Vehicle windshield visor. 2,614,628, Oct. 21.
Riemann, Howard C., assignor to The Fulton Company, West Allis, Wis. Vehicle aerial booster. 2,608,655, Aug. 26.
Riemenschneider, Claud C., Western Springs, Ill. Carpet rack or the like. 2,601,560, June 24.
Riemer, John, assignor to Kraft Foods Company, Chicago, Ill. Packaging machine. 2,623,338, Dec. 30.
Riemvis, Wilhelm F., Dongen, Netherlands. Stretcher support. 2,599,863, June 10.
Riener, Thomas W.: *See*—
Bruson, Herman A., and Riener.
Riepe, Herbert C., Fort Worth, Tex. Key holder. 2,584,617, Feb. 5.
Ries, Rudy F., Beechhurst, assignor to Edo Corporation, College Point, N. Y. Shipping container. 2,594,586, Apr. 29.
Rieschick, Richard R., New York, N. Y. Accordion. 2,588,881, Mar. 11.
Riesenfeld, Fred C.: *See*—
Frazier, Henry D., and Riesenfeld.
Riesenfeld, Fred C., Hollywood, and H. D. Frazier, Alhambra, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Separation of acidic constituents from gases. 2,600,328, June 10.
Rieser, Howard W., Harpster, Ohio. Adjustable mobile ladder. 2,600,807, June 17.
Rieser, John D., San Francisco, Calif. Self-aligning unimount-drive. 2,603,983, July 22.
Riester, Wilhelm F. K., London, assignor to Sigmund Pumps Limited, Gateshead, England. Seal between relatively rotatable parts. 2,587,222, Feb. 26.
Riesz, Kolman: *See*—
Sonnemann, William K., and Riesz.
Riesz, Kolman, Gillette, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing relay. 2,608,625, Aug. 26.
Riesz, Robert R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for determining pitch frequency in a complex wave. 2,593,698, Apr. 22.
Rietman, Robert B., Cincinnati, Ohio. Knockdown chair and sofa. 2,620,024, Dec. 2.
Rietz, Carl A., assignor to Rietz Manufacturing Co., San Francisco, Calif. Press construction. 2,609,744, Sept. 9.
Rietz, Carl A., assignor to Rietz Manufacturing Co., San Francisco, Calif. Heat exchange screw conveyer. 2,610,033, Sept. 9.
Riewerts, John R., Davenport, Iowa. Load-supporting attachment for tractors. 2,593,796, Apr. 22.
Riewerts, Roger N.: *See*—
Matson, Theodore C., Riewerts, and Mortensen.
Rifenburg, Ray C., Brooklyn, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Apparatus for forming and lining pipes. 2,612,672, Oct. 7.
Rifenburg, Ray C., Brooklyn, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Stop for fluid filled cable systems. 2,615,952, Oct. 28.
Riffet, Marcel: *See*—
Pellat-Finet, J. L., and Riffet.
Rifkin, Jacob, Wilkes-Barre, Pa. Lockable bag. 2,616,470, Nov. 4.
Rifle, William V., assignor, by mesne assignments, to Lucson Corporation, Chicago, Ill. Gas-fired hot-air furnace. 2,622,585, Dec. 23.
Riga, Ivo J. and J. P., Jonesboro, Ark. High-speed drive for bicycles. 2,588,047, Mar. 4.
Riga, James P.: *See*—
Riga, Ivo J. and J. P.
Rigabar, Napoleon: *See*—
Ottersland, Peter N., Rigabar, and Lansing.
Rigby, Charles H., Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Production of powdery products comprising carboxymethyl cellulose. 2,607,772, Aug. 19.
Rigby, Charles H., Saltcoats, and C. A. Macinnes, Stornoway, Isle of Lewis, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of mixture of carboxymethyl cellulose, sodium chloride, and sodium carbonate. 2,618,609, Nov. 18.
Rigby, George W., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ointments containing oil-soluble antioxidants. 2,582,395, Jan. 15.
Riggio, Peter F., Woodside, N. Y. Magazine tool handle. 2,588,162, Mar. 4.
Riggle, Hobert M., Dunedin, and W. B. Rose, Clearwater, Fla., assignors, by mesne assignments, to Extraction, Inc. Machine for grating the peel on citrus fruits. 2,619,139, Nov. 25.
Riggle, Lyman C., Chicago, Ill. Building structure. 2,603,317, July 15.
Riggs, Harley B., Louisville, Ky. Air deflector for automobile windows. 2,586,090, Feb. 19.
Riggs, John H.: *See*—
Osborne, Fred H., and Riggs.
Righton, David W.: *See*—
Meredith, Frederick W., and Righton.
Rigid Limited, assignee: *See*—
Herrmann, Friedrich.
Rigstad, William W., assignor of 40 per cent to R. J. Haynes, Detroit, Mich. Utility shelf for laundry tubs. 2,590,793, Mar. 23.
Rigterink, Raymond H.: *See*—
Coleman, Gerald H., and Rigterink.
Rilse, Charles W., Berkeley, Calif. Dispensing mechanism for cylindrical articles. 2,611,673, Sept. 23.
Rijnders, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric incandescent lamp. 2,617,062, Nov. 4.
Rike, Richard C.: *See*—
Rasmussen, Olaf, and Rike.
Rikelman, Nathan, Bronx, N. Y. Novelty hat construction. 2,593,188, Apr. 15.
Riker, Walter J.: *See*—
Barnebl, August C., and Riker.
Rilea, Howard P., Barnum, assignor of one-half to J. A. Eddy, Minneapolis, Minn. Record device. 2,584,228, Feb. 5.
Rile-Coe Filter Process, Inc., assignee: *See*—
Coe, Mayne R.
Riley, Ben H. and H., Lathrop, Mo. Poultry fountain. 2,623,500, Dec. 30.
Riley, Hobart: *See*—
Riley, Ben H. and H.
Riley, Howard W., Ithaca, and E. S. Harrison, Camden, N. Y., assignors to Harry Ferguson, Inc., Detroit, Mich. Twin side delivery rake. 2,618,921, Nov. 25.
Riley, James W., Depoe Bay, Oreg. Fishing line clamp. 2,605,568, Aug. 5.
Riley, Jesse L.: *See*—
Plunguian, Mark, and Riley.
Riley, John E., Flanders, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive composition. 2,594,996, Apr. 29.
Riley, Joseph, assignor to W. E. Sykes Limited, Staines, England. Gear grinding machine. 2,620,599, Dec. 9.
Riley, Joseph R., Catonsville, assignor to The Davison Chemical Corporation, Baltimore, Md. Compressed gas dehydrator. 2,621,752, Dec. 16.
Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system with dynamic braking. 2,597,183, May 20.
Riley, Ray: *See*—
Keller, Jay H., and Riley.
Riley, Robert H., Jr., and A. G. Decker, Jr., Towson, Md., assignors to The Black and Decker Manufacturing Company. Armature lead connection. 2,581,445, Jan. 8.
Riley Stoker Corporation, assignee: *See*—
Dennis, Edwin L.
Hawley, Charles F.
Hesse, Adolf.
Kuppenheimer, John D.
Miller, Earle C., and Hewitt.
Riley, Walter J.: *See*—
Zettlemoyer, Albert C., Walker and Riley.
Rilling, George, Anna, Ohio. Educational device embodying a plurality of relatively movable alphabetic shapes for forming letters or word combinations. 2,583,494, Jan. 22.
Rimbach, Harry J., Mount Dora, Fla. Self-leveling and stabilizing jack. 2,581,706, Jan. 8.
Rimple, Edward J., assignor to Rimple Manufacturing Co., Santa Clara, Calif. Adjustable hitch for direct connected implements. 2,587,763, Mar. 4.
Rimple Manufacturing Co., assignee: *See*—
Rimple, Edward J.
Rinck, Alphonse J., Pomona Park, Fla. Preventing decay of citrus fruits, vegetables, etc. 2,607,694, Aug. 19.
Rinck, Franklin B., La Grange, and E. K. Williams, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Manufacturing number plates. 2,622,990, Dec. 23.
Rinde, Oscar, New York, N. Y. Educational toy. 2,586,564, Feb. 19.
Rinderle, Karl T., assignor to Brown Industries Incorporated, Sandusky, Ohio. Pattern and pattern making. 2,620,529, Dec. 9.
Rinehart, Alan, New York, N. Y. Manicuring implement. 2,595,704, May 6.
Rinehart, Cleo A., and R. O. Mertens, assignors to Swift & Company, Chicago, Ill. Liver branding. 2,622,513, Dec. 23.
Rinehart, Lloyd R., Dixon, Ill., assignor, by mesne assignments, to National-Standard Company. Winding machine. 2,597,375, May 20.
Rinehart, Stanley R., Glenside, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for assembling sheets of material. 2,621,040, Dec. 9.
Riner, Theodore H., Bakersfield, Calif. Fish lure and constructing same. 2,594,264, Apr. 22.
Rines, Robert H.: *See*—
Mueller, Hans, and Rines.
Rines, Robert H., Brookline, Mass. Electret array sensitive to radio waves. 2,610,245, Sept. 9.
Rines, Robert H., Brookline, Mass. Thermoelectric system for remote object images. 2,611,894, Sept. 23.

Rines, Robert H., Brookline, Mass. Pulse-echo tracking system. 2,612,637, Sept. 30.
Rines, Robert H., Brookline, Mass. Color television system. 2,615,087, Oct. 21.
Rines, Robert H., Brookline, assignor of one-half to H. Mueller, Belmont, Mass. Method of and system for indicating the light modulation in a transparent medium. 2,622,470, Dec. 23.
Ring, Ernest A., assignor to Watchemoket Optical Co., Inc., Providence, R. I. Nonfracturable lens for goggles. 2,615,163, Oct. 28.
Ring, Lucian, Detroit, assignor to Ring Valve Company, Clawson, Mich. Valve for die casting machines. 2,618,292, Nov. 18.
Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,613,448, Oct. 14.
Ring Valve Company, assignee: *See*—
Ring, Lucian.
Ringe, Donald F., assignor to Vokes Limited, Guildford, England. Apparatus for cleaning filters. 2,591,198, Apr. 1.
Ringe, Frederick A.: *See*—
Kinndey, David C., Peterson, and Ringe.
Ringel, Harold A., New Orleans, La. Device for automatically stripping cut-out box blanks from offal or waste. 2,594,804, Apr. 29.
Ringel, Walter D., Monroe, Mich. Thumb grip nock. 2,581,884, Jan. 8.
Ringer, Evue J., assignor to Bendix Aviation Corporation, South Bend, Ind. Power-operated hydraulic pressure device, including yieldable piston stop. 2,598,004, May 27.
Ringer, Evue J., assignor to Bendix Aviation Corporation, South Bend, Ind. Power-operated hydraulic actuator. 2,617,261, Nov. 11.
Ringer, Luther: *See*—
Geldhof, Peter E., and Ringer.
Ringgold, Homer E., Milford, Del. Power-driven reciprocating drag saw having two oppositely reciprocating blades. 2,594,997, Apr. 29.
Ringle, Harvey E., Riverside, Calif. Apparatus for heating orchards and the like. 2,613,478, Oct. 14.
Ringler, Ford D., Flat Rock, and E. W. Irvin, Detroit, Mich. Safety handle. 2,602,351, July 8.
Ringler, Lloyd L., Crawfordsville, Ind. Drape separating hanger. 2,595,887, May 6.
Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co., Middletown, Ohio. Paperboard protector for paint brushes. 2,609,920, Sept. 9.
Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Package for frozen foods and the like. 2,613,025, Oct. 7.
Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Partitioned carrier and making it. 2,623,683, Dec. 30.
Ringman, Henry W., Everett, Wash. Poppet valve. 2,588,937, Mar. 11.
Ringo, Luther D.: *See*—
Weber, Louis J., and Ringo.
Ringstad, Arthur H., assignor of one-half to M. P. Ross, Spokane, Wash. Electric cord reel. 2,606,979, Aug. 12.
Ringwald, Eugene L., and G. E. Ham, Dayton, Ohio, assignors, by meane assignments, to The Chemstrand Corporation. Quaternary salts. 2,616,922, Nov. 4.
Ringwald, Eugene L., and A. B. Craig, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Substituted benzimidazoles. 2,623,879, Dec. 30.
Rini, Joseph A., assignee: *See*—
Watson, Alexander N.
Rinia, Herre: *See*—
Van Heeckeren, Willem J., and Rinia.
Rinia, Herre, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Modulated radio frequency pulse receiver. 2,586,091, Feb. 19.
Rinia, Herre, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Piston apparatus comprising a bell crank cam drive. 2,590,573, Mar. 25.
Rinia, Herre, P. M. van Alphen, F. L. van Weenen, L. M., L. J. Lehlans, and A. Bouwers, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Optical system and film guide means for cameras, projectors, and the like. 2,593,189, Apr. 15.
Rinia, Herre, and H. de Brey, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot-gas piston engine with power output control. 2,602,288, July 8.
Rinia, Herre, H. de Brey, and W. J. van Heeckeren, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Apparatus for controlling the power of hot-gas motors. 2,616,251, Nov. 4.
Rinkel, Franz: *See*—
Harsch, Paul, and Rinkel.
Rinker, Wilhelm, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Measuring device. 2,618,069, Nov. 18.
Rinker, Wilhelm, O. Sanger, and E. Leitz, Jr., assignors to Ernest Leitz, G. m. b. H., Wetzlar, Germany. Micrometer. 2,609,607, Sept. 9.
Rinne, August W., Steinauer, Nebr. Mower teeth sharpener. 2,582,607, Jan. 15.
Rinne, John, Brooklyn, N. Y., E. H. Ashton, Belmar, N. J., R. G. Mallard, Staten Island, and F. G. Lake, New York, N. Y., assignors by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Take-up mechanism. 2,611,395, Sept. 23.
Rinne, John, Huguenot, N. Y. Clothespin. 2,618,034, Nov. 18.
Rinne, John, Staten Island, N. Y., E. H. Ashton, Allston, R. G. Mallard, Hopedale, Mass., and F. G. Lake, New York, N. Y., assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Let back control. 2,611,396, Sept. 23.
Rinse, Jacobus: *See*—
Stephanus, Hendricus, and Rinse.
Rinshed-Mason Company, assignee: *See*—
McCauley, Myron D.
Rintoul, Peter, assignor to Canada Illinois Tools Limited, Toronto, Ontario, Canada. Slitting and scoring tool. 2,598,649, May 27.
Riola, Michael R.: *See*—
Meyer, Peter W., and Riola.
Riopelle, Earl F., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Vibration absorber. 2,580,839, Jan. 1.
Riopelle, Earl F., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Vibration damper. 2,601,789, July 1.
Riordan, Albert O., assignor to Baker Perkins Inc., Saginaw, Mich. Closure mechanism for pressure vessels. 2,584,500, Feb. 5.
Riordan, George L., Milwaukee, Wis., assignor to McGraw Electric Company. Tool for shaping the ends of conduits. 2,595,541, May 6.
Riordan, Howard C., Oak Park, Ill. Fibrous strip having absorbing sections alternating with nonabsorbing sections, and apparatus and producing same. 2,601,633, June 24.
Riordan, Howard C., Oak Park, and W. S. Stone, Chicago, Ill.; said Stone assignor to said Riordan. Method and machine for making globular surgical sponges. 2,613,399, Oct. 14.
Riordan, Howard C., Oak Park, and W. S. Stone, Chicago, Ill.; said Stone assignor to said Riordan. Method and machine for making globular surgical sponges. 2,613,400, Oct. 14.
Riordan, John A., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Tool for spreading split ends of connecting rods. 2,583,392, Jan. 22.
Riordan, John A., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Flywheel tool. 2,597,376, May 20.
Riordan, John A., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Flywheel spanner wrench with tooth engaging abutment. 2,614,445, Oct. 21.
Riordan, John A., Kermit, Tex. Bearing. 2,594,587, Apr. 29.
Riordan, Mathew B., Jr.: *See*—
Mathews, Harry A., Riordan, and Scott.
Ripich, Stephen J., Cleveland, Ohio. Fishhook support and sinker. 2,591,294, Apr. 1.
Ripley, Thomas M., Aberdeen, C. P. Ellis, Pinehurst, and F. G. Powers, Aberdeen, N. C., assignors to Robbins Mills, Inc., New York, N. Y. Stop motion for twisters. 2,619,789, Dec. 2.
Ripoche, Christian A. M., Paris, France. Removing oxides, oils, and grease from an uncoated metal article. 2,595,411, May 6.
Ripper, Walter E., Ravenstone, Harston, assignor to Pest Control Limited, Harston, England. Aerial spraying. 2,583,883, Jan. 29.
Ripper, Walter E., Harston, and A. K. Dorman, Sawston, assignors to Pest Control Limited, Harston, England. Aerial spraying. 2,583,884, Jan. 29.
Rippere, Robert O.: *See*—
Davis, Richard C., Fogarty, and Rippere.
Flint, Erlon W., Hague, Joel, and Rippere.
Rippingille, Frank, assignor to General Motors Corporation, Detroit, Mich. Cylinder liner. 2,617,401, Nov. 11.
Ris, Kenneth B., Garden City, assignor to The Griscom Russell Company, New York, N. Y. Heat exchanger. 2,590,465, Mar. 25.
Risch, Karl: *See*—
Weiss, Ernst, and Risch.
Risdon Manufacturing Company, The, assignee: *See*—
Manville, Henrietta P.
Noyack, Edward.
Peterson, Gunnard P., and Noyack.
Rishcoff, Michael, Wilkes-Barre, Pa. Buckle. 2,616,140, Nov. 4.
Rishel, James B., Plattsmouth, Nebr. Fitting for flexible elements. 2,602,206, July 8.
Risher, Carl A., Indianapolis, Ind. Soap dispenser. 2,611,648, Sept. 23.
Rishoi, Alfred H., Wilmette, C. F. Weinreich, Des Plaines, Ill., and L. Burrell, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del. Device for handling butter and like materials. 2,608,759, Sept. 2.
Risk, Norman E., C. A. Ramsel, and R. C. Williams, assignors to Caterpillar Tractor Co., Peoria, Ill. Over center cam engaged clutch. 2,591,873, Apr. 8.

Risley, Roger E., and G. D. Kish, Bradford, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio. Pipe coupling. 2,588,573, Mar. 11.

Risley, Roger E., Bradford, and A. J. Whitehill, Butler, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio. Gasket for pipe joints. 2,610,078, Sept. 9.

Rispler, Moe, assignee: *See*—
Dahowski, Anthony.

Risse, John T., Eldora, Iowa. Hydraulic master cylinder. 2,590,430, Mar. 25.

Risser, Ivan H., Glenview, assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Vacuum filling machine. 2,598,441, May 27.

Risser, Ross E., Jr., Bonham, Tex. Operating mechanism for fluid meters. 2,616,293, Nov. 4.

Rissler, Lennius R., Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator safety device. 2,581,297, Jan. 1.

Rissler, Lennius R., Hohokus, and J. K. Kraft, Verona, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric elevator system having load measuring devices. 2,604,782, July 29.

Rist, Carl E., H. A. Davis, and I. A. Wolff, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Defatting starch. 2,587,650, Mar. 4

Rist, Carl E.: *See*—
MacMasters, Majel M., Baird, and Rist.

Rist, Gottlieb A.: *See*—
Hohl, George L., Weise, Rist, and Rist.

Rist, John M.: *See*—
Hohl, George L., Weise, Rist, and Rist.

Ristenpart, Chester H., Berkeley, and J. F. Detmayer, Madrone, Calif.; said Detmayer assignor to said Ristenpart. Drawer for typewriters, including elevating typewriter supports. 2,588,163, Mar. 4.

Ristine, George N., Philadelphia, Pa. Fishing line spreader. 2,592,741, Apr. 15.

Ristow, Edward W., assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Angular drive. 2,604,795, July 29

Ristow, Edward W., Wauwatosa, assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Angular drive. Re. 23,596, Dec. 9.

Ritch, George L., Harrisonville, Mo. Air scoop for automobiles. 2,594,682, Apr. 29.

Ritsch, Howard P., Chicago, Ill. Centrifuge for separating solids. 2,614,748, Oct. 21.

Ritschel, John A., Peoria, Ill. Combined cigar box cover and humidifier. 2,619,397, Nov. 25.

Ritchey, Flossie C., Nashville, Ark. Traveler's pillow and case. 2,618,790, Nov. 25.

Ritchey, Roy S., St. Paul, Minn. Hand truck for transporting outboard motors. 2,595,484, May 6.

Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Safety device. 2,607,510, Aug. 19.

Ritchie, Clayton F., Chicago, Ill. Bubble-forming writing instrument. 2,591,874, Apr. 8.

Ritchie, David, Jr.: *See*—
Niederau, William E., Ritchie, and Wright.

Ritchie, Robert, assignee: *See*—
Paulsen, Ingomar.

Ritchie, William C., Haddington, Scotland. Plant setting implement. 2,622,550, Dec. 23.

Rite Line Corporation, assignee: *See*—
Koeppel, Charles H.

Ritepoint Co., assignee: *See*—
Lipic, Sylvester G., Boyle, and Lyon.

Riteway Tool and Die Company, assignee: *See*—
Mathson, Leslie J.

Ri-trate Corporation, assignee: *See*—
Kimball, Frank T.

Ritson, Daniel D., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Soya protein paper coating containing methylated melamine formaldehyde resin. 2,620,316, Dec. 2.

Rittenhouse Company, Inc., The, assignee: *See*—
Rittenhouse, Lloyd W.

Rittenhouse, Lloyd W., assignor to The Rittenhouse Company, Inc., Honeoye Falls, N. Y. Mounting for electrical units. 2,623,091, Dec. 23.

Ritter, Andrew P., assignor to Platt Products Corporation, Lansing, Mich. Water heater. 2,604,888, July 29.

Ritter, Andrew P., assignor to Platt Products Corporation, Lansing, Mich. Liquid level controlling device. 2,608,206, Aug. 26.

Ritter Company, assignee: *See*—
Blatz, Hanson.

Ritter Company, Inc., assignee: *See*—
Lauterbach, Norman E.
Morrison, Montford.
Schwartz, Eli P., and Meyer.
Sweeney, Frank B.
Ziegler, Eugene R.

Ritter, Emil C., assignor to The R. G. D. Corporation, New York, N. Y. Connecting means for parallel tubes. 2,613,957, Oct. 14.

Ritter, George F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Marking surface. 2,608,800, Sept. 2.

Ritter, Herman, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Compensating presser device for sewing machines. 2,611,338, Sept. 23.

Ritter, Herman, Cranford, and W. J. Peets, Watchung, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine lubrication. 2,619,061, Nov. 25.

Ritter, John W., assignor of forty-nine per cent to J. T. Bond, Escobas, Tex. Rod line stroke control unit. 2,608,106, Aug. 26.

Ritter, Roy and W., Lewes, Del. Frame structure for mobile viners. 2,583,016, Jan. 22.

Ritter, Roy, and W. Ritter, Lewes, Del. Self-leveling bean and pea harvester. 2,597,673, May 20.

Ritter, Saul, assignor of one-half to M. J. Bruner, New York, N. Y. Clasp for bracelets. 2,613,415, Oct. 14.

Ritter, William: *See*—
Ritter, Roy and W.

Rittner, Edmund S., White Plains, F. E. Grace, Brooklyn, S. Fine, New York, and G. A. Beutel, Pearl River, assignors to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Electron switching tubes and circuits therefor. 2,588,292, Mar. 4.

Rivard, Nelson J., Milford, Conn. Wood planer blade setting gauge. 2,589,865, Mar. 18.

Riverpoint Lace Works, Inc., assignee: *See*—
Hayes, George A., and Schmidt.

Rives, George A., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Spray booth wash and making it. 2,585,407, Feb. 12.

Rives, Margaret, Jacksonville, Fla. Ventilated metal awning. 2,605,521, Aug. 5.

Rivette, Raymond W., San Francisco, Calif. Combination refrigerator and walk-in storage compartment. 2,601,634, June 24.

Rivière, Henri, assignor to "Office National d'Etudes et de Recherches Aeronautiques" (O. N. E. R. A.), Paris, France. Jet-propelled aircraft. 2,589,732, Mar. 18.

Rivington, Arthur A.: *See*—
Elliott, Harold E., George, and Rivington.

Rivington, Arthur A., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe upper lacing machine with eccentrically mounted needles. 2,614,278, Oct. 21.

Rivoche, Eugene J., Washington, D. C. Self-heating container having hermetic sealing means. 2,613,664, Oct. 14.

Rivoche, Eugene J., and L. Sukacev, Washington, D. C. Self-heating container. 2,620,788, Dec. 9.

Rix, Asa H., assignee: *See*—
Noon, Alonzo W.

Rizza, Arturo, Buenos Aires, Argentina. Construction of compensated boards or panels for the manufacture of doors and the like. 2,602,204, July 8.

Rizzolo, Donato R., Bloomfield, N. J. Chair convertible to a table. 2,588,574, Mar. 11.

Roach, Irving S., assignee: *See*—
Svirsky, Bennett.

Roach, John R.: *See*—
Wittcoff, Harold, and Roach.

Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Unsaturated ethers of polyhydric alcohols and polymers thereof. 2,585,035, Feb. 12.

Roach, Stewart W.: *See*—
Harrison, John S. M., and Roach.

Road, Richard A.: *See*—
Dorsam, William J., Paine, and Road.

Roane, Arden E., Hagerstown, Md. Direct driven winding machine and bobbin mounting means. 2,605,973, Aug. 5.

Roark, James J., Tulsa, Okla., assignor to Standard Oil Development Company. Phase correction filter circuit. 2,623,947, Dec. 30.

Roark, Leon S., Shreveport, La., assignor of one-third to D. M. Hawkins, and one-third to C. Kinard, El Dorado, Ark. Acetylene welding reel. 2,606,067, Aug. 5.

Roatta, Edouard, Izieux, and A. Peyssonneaux, Grenoble, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Cop-type bobbin and package wound thereon. 2,591,295, Apr. 1.

Robatel, Henry G., Paris, France, assignor of one-half to K. S. Cate, New York, N. Y. Apparatus for agitating refrigerated liquids. 2,604,308, July 22.

Robb, Alvin S., Dracut, Mass. Bobby pin. 2,604,103, July 22.

Robb, Leslie A.: *See*—
Smythe, Carl V., and Robb.

Robb, Lester E.: *See*—
Lontz, John F., and Robb.

Robb, Richard M.: *See*—
McBee, Earl T., Robb, and Ligett.

Robb, Walter T., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic cleaner for nose boards. 2,622,624, Dec. 23.

Robb, Walter Y.: *See*—
Fletcher, Norman, and Robb.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminister looms. 2,603,239, July 15.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yarn tube unit for Axminster tube frames. 2,608,215, Aug. 26.

Robbins, Albert A., West Covina, assignor of one-tenth to P. Subkow, Los Angeles, Calif. Flower mounting. 2,593,797, Apr. 22.

Robbins, Alexander G., Schenectady, N. Y., assignor to General Electric Company. Precision resistance device. 2,597,674, May 20.

Robbins, Bertha and D., deceased, Portland, Oreg., said B. Robbins, executrix of said D. Robbins, assignor to W. A. Kelley, Portland, Oreg. Retainer for children. 2,591,875, Apr. 8.

Robbins, Carl G., Chicago, Ill. Condensate disposal system for refrigerators. 2,594,073, Apr. 22.

Robbins, Claude H., Steele, Mo. Knockdown portable shelf. 2,595,542, May 6.

Robbins, David: *See*—
Robbins, Bertha and D.

Robbins Engineering Company, assignee: *See*—
Schultz, Russel A.

Robbins, Gordon B., Claymont, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Sulfur colors of the dioxazine series and preparing the same. 2,600,690, June 17.

Robbins, Homer R., Amarillo, assignor of one-half to E. Y. Brown, Sr., and one-half to E. Y. Brown, Fort Worth, Tex. Convertible swing structure. 2,616,485, Nov. 4.

Robbins, James S., Highland Park, Ill. Cutting tool mounting. 2,587,065, Feb. 26.

Robbins Mills, Inc., assignee: *See*—
Fahringer, Victor T.
Ripley, Thomas M., Ellis, and Powers.

Robbins & Myers, Inc., assignee: *See*—
Byram, Frederick C.
Byram, Frederick C., and Chang.
Byram, Frederick C., and Zimmer.
Chang, Sheldon S. L.
Lloyd, Tom C.
Ober, Roy.

Robbins, Ralph I., Andover, Mass., and B. Freyer, Cornwall-on-Hudson, N. Y., assignors to American Felt Company, Glenville, Conn. Felt hardening machine. 2,616,152, Nov. 4.

Robbins, Robert L., Jr., assignor to G. L. Byers, Berkeley, Calif., trustee. Game board. 2,615,718, Oct. 28.

Robbins, Sam E., and F. L. Larson, Seattle, Wash. Fishing rod holder. 2,604,287, July 22.

Robbins, William K., Milwaukee, Wis. Connecting link for chains and the like. 2,621,470, Dec. 16.

Robbins, Winnie D., Denton, assignor to C. Bentley and R. Crawford, doing business as Scientific Office Products, Dallas, Tex. Ink pad. 2,596,725, May 13.

Robco Corporation, assignee: *See*—
Greenwald, Harry.

Roberge, Henry A., Oakland, Maine, assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Production of sticks. 2,615,484, Oct. 28.

Roberson, Claude M., Shreveport, La. Liner package for hooks. 2,585,408, Feb. 12.

Roberson, Claude M., Shreveport, La. Hook latch operating mechanism. 2,613,101, Oct. 7.

Roberson, Claude M., Shreveport, La. Pneumatically operated elevator ball. 2,613,102, Oct. 7.

Roberson, Cyrus E., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Stuff treatment apparatus. 2,581,143, Jan. 1.

Robert, A. Pierce, assignee: *See*—
Day, Hugh I., and I. L.

Robert, F. H., assignee: *See*—
Day, Hugh I., and I. L.

Robert, Fernand, Paris, France, assignor to Koppers Company, Inc. Coke oven with regenerator flow control. 2,623,846, Dec. 30.

Robert, Florent E., Chicago, Ill. Protective device for bumpers and bumper guards. 2,608,430, Aug. 26.

Robert, Jacques G.: *See*—
Jacob, Robert M., Liakhoff, and Robert.

Robert, John, Chicago, Ill., assignor to Globe Roofing Products Co., Inc., Whiting, Ind. Interlocking flexible composition shingle. 2,607,305, Aug. 19.

Robert, Roger A., Boulogne-sur-Seine, France. Retractable landing gear for aircraft. 2,589,434, Mar. 18.

Robert, Roger A., Boulogne-sur-Seine, France. Jet-propelled aircraift. 2,596,435, May 13.

Robert, Roger A., Boulogne-sur-Seine, France. Folding wing for aircraft. 2,596,436, May 13.

Robert, Roger A., Boulogne-sur-Seine, France. Aircraft control mechanism. 2,601,458, June 24.

Robert, Roger A., Boulogne-sur-Seine, France. Structure for airplane wings. 2,618,448, Nov. 18.

Robert, Roger A., Boulogne-sur-Seine, France. Steering control device for jet-propelled flying machines. 2,621,871, Dec. 16.

Robert, Roger A., Paris, France. Composite airplane. 2,621,000, Dec. 9.

Robert, Walter E., Decatur, Ala. Floating fish bag. 2,603,028, July 15.

Robert-Charrue, Fritz-André, Le Locle, assignor to Ebauches S. A., Neuchatel, Switzerland. Timepiece movement with intermittent seconds indicator. 2,580,597, Jan. 1.

Robert-Charrue, Fritz-André, Le Locle, assignor to Ebauches S. A., Neuchatel, Switzerland. Dead-second watch mechanism. 2,591,876, Apr. 8.

Roberts, Alfred, assignee: *See*—
Sweet, Roland G.

Roberts, Alfred M., Hamburg, N. Y. Power-operated hack saw. Re. 23,581, Nov. 11.

Roberts, Bernard, Bronx, N. Y. Top access refrigerator and cover therefor. 2,614,401, Oct. 21.

Roberts, Bob R., assignor to Fisher Governor Company, Marshalltown, Iowa. Universal diaphragm valve. 2,619,983, Dec. 2.

Roberts, Brereton, Cimla, South Wales. Jaw assembly for wrenches of the Stillson type. 2,597,184, May 20.

Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Control of office dictation equipment. 2,581,144, Jan. 1.

Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Back-spacing device for dictating machines. 2,581,499, Jan. 8.

Roberts, David E., assignor to Motorola, Inc., Chicago, Ill. Volume compression circuit. 2,596,510, May 13.

Roberts, Earle L., Modesto, Calif. Anchor for gopher traps. 2,583,749, Jan. 29.

Roberts, Earl T., Baltimore, Md., assignor to The Fluorescent Electric Manufacturing Company. Lamp case for elongated tubular lamps. 2,609,483, Sept. 2.

Roberts, Edward H., Erie, Pa., assignor to General Electric Company. Freezing tray. 2,622,410, Dec. 23.

Roberts, Edward H., Post Falls, Idaho. Device for hanging washed clothes. 2,607,498, Aug. 19.

Roberts, Edward N., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilized phosphorus and sulfur-containing hydrocarbon reaction products and compositions containing the same. 2,597,750, May 20.

Roberts, Edwards S.: *See*—
Maurer, Michael H., and Roberts.

Roberts, Elliott J.: *See*—
Wells, David F., Thompson, and Roberts.

Roberts, Elliott J., Westport, assignor to The Dorr Company, Stamford, Conn. Fractionation of amino acid mixtures. 2,590,209, Mar. 25.

Roberts, Frederick W., Fairfield, and F. L. Franz, West Haven, assignors to Dictaphone Corporation, Bridgeport, Conn. Recorder head. 2,588,327, Mar. 4.

Roberts, George C., Fairfax, assignor to West Point Manufacturing Company, Shawmut, Ala. Jacquard cylinder motion. 2,619,127, Nov. 25.

Roberts, Gordon A., Grosse Pointe, Mich. Automobile visor. 2,589,866, Mar. 18.

Roberts, Graham E.: *See*—
Fennessy, Edward, Roberts, and Calvert.

Roberts, Gwilym E.: *See*—
Pritchard, Harold C., Thomas, and Roberts.

Roberts, Hargreaves: *See*—
Hodgkinson, John, and Roberts.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand cushioning device. 2,613,884, Oct. 14.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand tensioning device. 2,613,886, Oct. 14.

Roberts, Ingham S., Ridley Park, Pa. Tube calipering head. 2,616,183, Nov. 4.

Roberts, Irving, Greensburg, assignor to Elliott Company, Jeannette, Pa. Method and apparatus for separating gases. 2,582,068, Jan. 8.

Roberts, James A.: *See*—
Fischer, Howard R., and Roberts.

Roberts, James A., H. R. Fischer, and M. P. D'Haem, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatically powered hydraulic pump. 2,588,164, Mar. 4.

Roberts, James W., and R. D. and A. Hogan, Pekin, Ind. Mechanical chicken feeder. 2,601,057, June 17.

Roberts, Jesse E., St. Ignatius, Mont. Fish lure. 2,599,128, June 3.

Roberts, John, San Francisco, Calif. High-pressure faucet type valve. 2,592,953, Apr. 15.

Roberts, John A., East Lynn, Mass., assignor to General Electric Company. Antihunting temperature sensitive detector. 2,587,384, Feb. 26.

Roberts, John A., New York, N. Y. Pipe joint. 2,588,987, Mar. 11.

Roberts, John G., Dobbs Ferry, N. Y. Container for razor blades. 2,604,979, July 29.

Roberts, J. W., Limited, assignee: *See*—
Dolbey, Norman L.

Roberts, Leland C., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph repeater. 2,606,961, Aug. 12.

Roberts, Neville W.: *See*—
Schuftan, Paul M., and Roberts.

Roberts, Paul W., Burnaby, British Columbia, Canada. Water pipe draining apparatus. 2,616,441, Nov. 4.

Roberts, Philip B., and T. B. Button, Durham, Conn. Poultry feeding apparatus. 2,591,609, Apr. 1.

Roberts Products, Incorporated, assignee: *See*—
Weseman, Chester A., and Enger.

Roberts, Robert E., Ridgefield, Conn. Making flexible corrugated tubes. 2,584,501, Feb. 5.

Roberts, Robert L., Piedmont, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of novel food products from rice. 2,585,036, Feb. 12.

Roberts, Robert L., Piedmont, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Production of quick-cooking rice. 2,610,124, Sept. 9.

Roberts, Robert L., Piedmont, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Production of expanded rice products. 2,616,808, Nov. 4.

Roberts, Rodney E., North Kansas City, assignor of one-third to E. G. Forshay and one-third to S. Krechesfky, Kansas City, Mo. Conveyer skirt and apron holder. 2,593,610, Apr. 22.

Roberts, Roland R.: *See*—
Forward, Worthy J. F., and Roberts.

Roberts Rouge Company, assignee: *See*—
Onkey, Theodore F.

Roberts, Royston M.: *See*—
Price, Charles C., and Roberts.

Roberts, Ruth H., Whitefish Bay, Wis. Garment drier. 2,599,199, June 3.

Roberts, Samuel S., New Haven, Conn. Broiler. 2,582,720, Jan. 15.

Roberts and Schaefer Company, assignee: *See*—
Auer, George A.
Ore, Carl V., and Nicholson.

Roberts, Walter van B.: *See*—
Burns, Leslie L., Jr., and Roberts.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Maximal flatness filter. 2,617,882, Nov. 11.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Mathematical machine. 2,622,799, Dec. 23.

Roberts, Wayne B.: *See*—
Wray, Robert I., and Roberts.

Roberts, Wayne B., Mount Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Water-emulsifiable metallic paste pigments. 2,587,268, Feb. 26.

Roberts, Wert E., La Junta, assignor of 50 per cent to R. F. Cadwallader, Rocky Ford, Colo. Bobby pin holder and opener. 2,582,457, Jan. 15.

Roberts, Willard A., Wethersfield, F. L. Moore, Newington, and E. D. Conforti, West Hartford, Conn., assignors to The Gray Manufacturing Company. Restoring records. 2,611,927, Sept. 30.

Roberts, William C., assignor to Bone Tool & Gauge Company, Detroit, Mich. Oil burning hot-air furnace. 2,581,145, Jan. 1.

Robertshaw-Fulton Controls Company, assignee: *See*—
Branson, Charles D.
Caparone, Michael J.
Carson, William W., Jr.
Cate, Paul E.
Eskin, Samuel G.
Eskin, Samuel G., and Hayden.
Eskin, Samuel G., and Rice.
Eskin, Samuel G., Rice, and Arkelyan.
Garner, Russell F.
Giesler, Jean V., and Cate.
Hajek, William J.
Hurlbut, James H., and Heininger.
Jackson, Wilbur F.
Kaserman, John A.
Main, Robert C.
McKenzie, Neville P.
Moody, Thomas J.
Puster, Louis M.
Puster, Louis M., and Kaserman.
Rapuano, Anthony D.
Rice, Harold W.
Skinner, Ralph L.
Solovieff, George B.
Strobel, Charles K., and Lakota.
Tripp, Arthur M.
Versoy, Irving R., and Rapuano.
Weber, Victor.
Weber, Victor, and Garner.
Weber, Victor, and Kunzler.
Weber, Victor, and Russell.

Robertson, Anthony E.: *See*—
Jones, Allen R., and Robertson.

Robertson, Anthony E., Silver Spring, Md., and A. R. Jones, Roselle, N. J., assignors to Standard Oil Development Company. Production and recovery of organic peroxides. 2,605,290, July 29.

Robertson, Charlotte R. B., assignee: *See*—
Bentley, Clarence H.
Bletcher, Ralph E., Bentley, and Bucknell.

Robertson, D. R., Limited, assignee: *See*—
Sampietro, Achille C.

Robertson, Donald W., West Hempstead, and C. F. Ducha-cek, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Filtration of oils and waxes with bauxite. 2,596,942, May 13.

Robertson, Earl M.: *See*—
Minsk, Louis M., Van Deusen, and Robertson.

Robertson, Mrs. F. K., assignee: *See*—
Bentley, Clarence H.
Bletcher, Ralph E., Bentley, and Bucknell.

Robertson, George H., Bellrose, assignor to The Roto-Shaver, Inc., New York, N. Y. Shaving apparatus. 2,618,055, Nov. 18.

Robertson, H. H., Company, assignee: *See*—
Allmun, Edward J., and Yould.
Crafton, Henry H.
Wiesmann, Joseph W.

Robertson, Harold E., Syracuse, and E. B. Port, Baldwinsville, N. Y., assignors to Allied Chemical and Dye Corporation. Purification of water-soluble substances. 2,607,660, Aug. 19.

Robertson, James A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfurcate azonitriles. 2,586,995, Feb. 26.

Robertson, James S. P., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic vibratory device. 2,610,259, Sept. 9.

Robertson, John A., Albuquerque, N. Mex., and E. A. Rock, Mercer Island, assignors to Boeing Airplane Company, Seattle, Wash. Adjustable jet orifice. 2,590,272, Mar. 25.

Robertson, John D., Taunton, Mass. Curved expander roll. 2,582,280, Jan. 15.

Robertson, John D., Taunton, Mass. Weft-straightening apparatus. 2,587,224, Feb. 26.

Robertson, John R., Edgmond, near Newport, England. Apparatus for filling tanks and like receptacles with liquid. 2,623,513, Dec. 30.

Robertson, John W., Englewood, N. J., assignor of one-half to Ellis-Foster Company, and one-half to Montclair Research Corporation. Electric field heat treatment of liquids. 2,582,281, Jan. 15.

Robertson, Nat C.: *See*—
Morrell, Charles E., Carlson, and Robertson.
Morrell, Charles E., and Robertson.
Morrell, Charles E., Robertson, and Carlson.

Robertson, Nat C., and R. H. Buchanan, Corpus Christi, Tex., assignors to Celanese Corporation of America. Purification of alcohols by azeotropic distillation. 2,591,877, Apr. 8.

Robertson, Nell D. G., Hartsbourne, Bushey Heath, and G. W. Browse, assignors to The Non-Ferrous Die Casting Company Limited, London, England. Chill casting brass and other copper alloys containing zinc. 2,592,337, Apr. 8.

Robertson Paper Box Co., Inc., assignee: *See*—
Tyrseck, Walter J.

Robertson, R. R., Company, assignee: *See*—
Sussin, Max H.

Robertson, Reuben B., Fort Lauderdale, Fla. Packing stand. 2,614,611, Oct. 21.

Robertson, Robert, Roundhay, Leeds, assignor to British Optical & Precision Engineers Limited, London, England. Intermittent driving mechanism. 2,597,050, May 27.

Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency phase measuring system. 2,596,288, May 13.

Robertson, Walter R., Sr.: *See*—
Horner, George W., and Robertson.

Robertson-Shersby-Harvie, Robert B., Malvern, and R. G. Garfitt, Sale, England. Wave front modifying wave guide system. 2,599,864, June 10.

Robeson, Charles D., assignor to Eastman Kodak Company, Rochester, N. Y. Esterification of polyene acids. 2,583,594, Jan. 29.

Robeson, Max O., and S. A. Blundell, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America. Production of pentaerythritol. 2,612,525, Sept. 30.

Robeson, Max O., and W. E. Taylor, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Purification of 1,2-propylene oxide. 2,622,060, Dec. 16.

Robeson, Max O., and T. P. Webb, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Hydrolysis of 1,2-propylene oxide to 1,2-propylene glycol. 2,623,909, Dec. 30.

Robey & Co. Limited, assignee: *See*—
Crompton, Arthur.

Robey, William G., Grafton, W. Va. Toothbrush. 2,618,003, Nov. 18.

Robic, Raymond A., Outremont, Montreal, Quebec, Canada. Humidifier and evaporative cooler. 2,584,618, Feb. 5.

Roble, Frank D., San Jose, Calif. Collapsible cover for vehicles. 2,598,940, June 3.

Roble, Norman P.: *See*—
Wallace, Walter L., and Roble.

Roble, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Making flexible abrasive articles. 2,592,954, Apr. 15.

Robiette, Alfred G. E., London, England. Heat-treatment of metals. 2,587,900, Mar. 4.

Robijns, Willem, Antwerp-Mortsel, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Making a photographic sensitive element. 2,611,716, Sept. 23.

Robijns, Willem P. M. J., assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Lubricated photographic element containing a mixture of higher fatty alcohols and higher fatty acids. 2,588,765, Mar. 11.

Robillard, Jean, and C. Pierrée, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Manufacture of silica membranes. 2,617,153, Nov. 11.

Robin, Maurice H., Cheadle, England. Box. 2,593,190, Apr. 15.

Robinette, Hillary, Jr., Pennfield Downs, and C. W. Pfeifer, assignors to Publicker Industries Inc., Philadelphia, Pa. Preparing ammonium salts of copolymer compositions. 2,621,169, Dec. 9.

Robinette, Willard C., South Pasadena, Calif. Molecular resistance motor control device. 2,600,170, June 10.

Robins, Adolf, White Plains, N. Y. Adjustable holder for ash trays and the like. 2,584,050, Jan. 29.

Robins, Erford E., North Tonawanda, and H. F. Parker, Buffalo, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Puller device. 2,608,107, Aug. 26.

Robins, Hyman, Brooklyn, N. Y. Combination garment and brassière. 2,612,642, Oct. 7.

Robins, Jack B., assignor to Aircraft Mechanics Inc., Colorado Springs, Colo. Article of furniture. 2,586,262, Feb. 19.

Robins, John W., Westwood, assignor to Mason-Neilan Regulator Company, Boston, Mass. Controller. 2,585,347, Feb. 12.

Robins, John W., Westwood, assignor to Mason-Neilan Regulator Company, Boston, Mass. Follow-up type servomotor. 2,588,988, Mar. 11.

Robins, Samuel D., Lawrence, assignor to Du-Fast, Inc., New York, N. Y. Sanding or rubbing attachment. 2,614,369, Oct. 21.

Robins, Seymour, New York, N. Y. Envelope with hanger support. 2,590,273, Mar. 23.

Robins, Seymour, New York, N. Y. Greeting card. 2,616,199, Nov. 4.

Robinson, Albert P., Seattle, Wash. Fireplace damper. 2,595,543, May 6.

Robinson, Albert P., Seattle, Wash. Surface finishing machine. 2,603,919, July 22.

Robinson, Alfred D.: *See*—
Beckman, Arnold O., Herd, and Robinson.

Robinson, Allen D., Kenosha, Wis. Signal light for fishing lines. 2,587,223, Feb. 26.

Robinson, Benjamin H., assignor of one-half to J. A. Nesbitt, San Diego, Calif. Aircraft wing and brake. 2,605,984, Aug. 5.

Robinson, Billy P.: *See*—
Cardwell, Paul H., Ellers, and Robinson.
Cardwell, Paul H., and Robinson.

Robinson, Blanche E., Chicago, Ill. Corsage pin. 2,613,412, Oct. 14.

Robinson, Charles A., Salem, assignor to United Shoe Machinery Corporation, Boston, Mass. Tack handling apparatus. 2,617,987, Nov. 18.

Robinson, Charles C., assignor to Shureflash Laboratory Inc., Newport, Ky. Electrical surge discharge power unit. 2,590,069, Mar. 18.

Robinson, Charles F.: *See*—
Perkins, George D., and Robinson.

Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Supporting means for vacuum electrodes. 2,581,446, Jan. 8.

Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Device for holding mass spectrometer on a preset mass peak. 2,613,322, Oct. 7.

Robinson, Dale H., assignee: *See*—
Stein, Sigurd C., and Monkres.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Connecting means for door latches. 2,581,885, Jan. 8.

Robinson, Denis M., Arlington, assignor to High Voltage Engineering Corporation, Cambridge, Mass. Sterilizing substances or materials such as food and drugs. 2,602,751, July 8.

Robinson, E. S. & A., Limited, assignee: *See*—
Pegg, Charles E.
Wills, Stanley C. F.

Robinson, Edgar: *See*—
Robinson, Jack and E.

Robinson, Elton E., Concord, assignor to Samuel Eastman Co. Inc., Concord, N. H. Nozzle pipe for use with aerial ladders. 2,593,921, Apr. 22.

Robinson, Elvin B., Gastonia, and J. C. Costner, assignors to Ideal Industries, Inc., Bessemer City, N. C. Roller neck bearing for textile drafting machines. 2,610,363, Sept. 16.

Robinson, Eric E.: *See*—
Barrington, Edward W. J., and Robinson.

Robinson, Ernest B., Ashgate, Chesterfield, England. Manufacture of helically wound tubes. 2,623,443, Dec. 30.

Robinson, Ernest B., Treeneuk, Ashgate, England. Producing helically wound containers. 2,623,445, Dec. 30.

Robinson, Eugene, Los Angeles, Calif. Valve mounting and operating means for toilets. 2,587,901, Mar. 4.

Robinson, Garner L., Milner, and J. E. Hindle, White Rock, British Columbia, Canada. Depth controller. 2,616,350, Nov. 4.

Robinson, George A., Calgary, Alberta, Canada. Portable auger type loader. 2,615,560, Oct. 28.

Robinson, George A., Calgary, Alberta, Canada. Posthole digger. 2,617,629, Nov. 11.

Robinson, George M., Akron, Ohio. Paint bucket holder for ladders. 2,622,833, Dec. 23.

Robinson, Glen P., Jr., Oak Ridge, Tenn. Doffer comb mechanism. 2,594,497, Apr. 29.

Robinson, Grady P., Tampa, Fla. Ventilated metal awning. 2,591,610, Apr. 1.

Robinson, Harold, Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Welding rod. 2,612,581, Sept. 30.

Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Cathodic protection of underground metals. 2,601,214, June 17.

Robinson, Harris A., Philadelphia, Pa., and O. L. MacSorley, Collingswood, N. J., assignors to Radio Corporation of America. Automatically tuned wide range receiver and transmitter. 2,595,608, May 6.

Robinson, Herbert T.: *See*—
Kesel, Robert E., and Robinson.

Robinson, J. P., assignee: *See*—
Simons, Bert R.

Robinson, Jack, Washington, D. C., and E. Robinson, Richmond, Va. Record player. 2,614,844, Oct. 21.

Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Pump-motor hydraulic system, including multiple motors and their controls. 2,585,348, Feb. 12.

Robinson, James, London, England. Electric control system. 2,613,346, Oct. 7.

Robinson, James D., Memphis, Tenn. Antibackflow valve. 2,594,999, Apr. 29.

Robinson, James D., Memphis, Tenn. Distributing valve. 2,598,605, May 27.

Robinson, James D., Memphis, Tenn. Automatic cutoff valve for water distribution systems. 2,604,295, July 22.

Robinson, Jerome A., Yonkers, and V. Agnifilo, New Rochelle, N. Y. Guide spring for combination storm windows and screens. 2,587,902, Mar. 4.

Robinson, John: *See*—
Ferner, Warren E., Alexander, Robinson, and Streeter.

Robinson, John C., Jr., assignor to Hercules Powder Company, Wilmington, Del. Preparation of vinyl esters of a stabilized rosin acid. 2,615,011, Oct. 21.

Robinson, John C., Jr., assignor to Hercules Powder Company, Wilmington, Del. Preparation of vinyl esters of a stabilized rosin acid. 2,615,012, Oct. 21.

Robinson, John C., Jr., and W. S. Ropp, assignors to Hercules Powder Company, Wilmington, Del. Vinyl esters of chemically stabilized rosins and polymers thereof. 2,614,997, Oct. 21.

Robinson, John W., Merchantville, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Apparatus for separating immiscible liquids. 2,611,490, Sept. 23.

Robinson, Joseph: *See*—
Rosenthal, Morris, and Robinson.

Robinson, Joseph, New York, N. Y. Electric vaporizer. 2,599,485, June 3.

Robinson, Joseph, New York, N. Y. Container closure. 2,614,868, Oct. 21.

Robinson, Joseph W., Trenton, N. J. Razor blade holder. 2,612,438, Oct. 14.

Robinson, Kenneth G., Norfolk, Va. Brace for correcting deformities in the feet of children. 2,588,411, Mar. 11.

Robinson, Kenneth V., Atlanta, Ga., assignor to Atlanta Paper Company. Prepackaging unit for rayon yarn and the like. 2,597,377, May 20.

Robinson, Lawrence H.: *See*—
Leslie, John G., and Robinson.

Robinson, Leo J., assignee: *See*—
Vanden Bos, Donald, and Brechting.

Robinson, Lloyd A., Akron, Ohio. Bag for bowling balls. 2,580,958, Jan. 1.

Robinson, Louis, Detroit, Mich. Combination sofa and bed. 2,618,786, Nov. 25.

Robinson, Lowell V., assignor to Crawford Door Company, Detroit, Mich. Metal door. 2,596,792, May 13.

Robinson, Lowell V., assignor to Crawford Door Company, Detroit, Mich. Tilting door assembly. 2,603,842, July 22.

Robinson, Margaret I., Philadelphia, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparing gamma-ethyl-gamma-methylpimelates. 2,585,409, Feb. 12.

Robinson, Marion B., Great Neck, N. Y. Steering means for vehicles. 2,590,574, Mar. 25.

Robinson, Marion B., Great Neck, N. Y. Electrical relay. 2,614,184, Oct. 14.

Robinson, Marshall M.: *See*—
Merten, Eugen, and Robinson.

Robinson, Maurice C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Motion converting apparatus. 2,613,551, Oct. 14.

Robinson, Melvin O.: *See*—
Haney, Joseph K., Hunter, and Robinson.

Robinson, Milton C., Los Angeles, Calif. Filter strainer. 2,606,149, Aug. 5.

Robinson, Preston, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Making electrical condensers. 2,619,443, Nov. 25.

Robinson, Preston, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Electrical capacitor. 2,623,096, Dec. 23.

Robinson, Preston, Williamstown, and C. C. Reid, Boston, assignors to Sprague Electric Company, North Adams, Mass. Insulated electrical conductor. 2,585,037, Feb. 12.

Robinson, Preston, Williamstown, Mass., and C. C. Reid, Falls Church, Va., assignors to Sprague Electric Company, North Adams, Mass. Electrical condenser. 2,590,650, Mar. 25.

Robinson, Preston, Williamstown, and C. C. Reid, Boston, assignors to Sprague Electric Company, North Adams, Mass. Insulated electrical conductor. 2,593,922, Apr. 22.

Robinson, Preston, Williamstown, Mass., and C. C. Reid, Arlington, Va., assignors to Sprague Electric Company, North Adams, Mass. Chlorinated aromatic compounds. 2,623,910, Dec. 30.

Robinson, Ralph L.: *See*—
Reynolds, Peter W., and Robinson.

Robinson, Ralph S.: *See*—
Bevan, Eric A., and Robinson.

Robinson, Ralph S., Liverpool, England, assignor to Reichhold Chemicals, Inc., Detroit, Mich. Emulsion copolymerisation of styrene with bodied oil or bodied oil modified alkyd. 2,586,092, Feb. 19.

Robinson, Richard A., Morton Grove, assignor to G. D. Searle & Co., Skokie, Ill. Quaternary ammonium salts of 2,6-lupetidine. 2,590,126, Mar. 25.

Robinson, Richard A., Morton Grove, assignor to G. D. Searle & Co., Skokie, Ill. Aminoalkylamino isoquinoline compounds. 2,593,798, Apr. 22.

Robinson, Richard A., Morton Grove, and J. W. Cusic, assignors to G. D. Searle & Co., Skokie, Ill. 10-(quaternary-ammonium alkyl) phenothiazine salts 2,590,125, Mar. 25.

Robinson, Richard R.: *See*—
Harrison, Geoffrey B., and Robinson.

Robinson, Richard S., Gloucester, assignor, by mesne assignments, to Vibro Dynamic Engineering, Inc., Boston, Mass. Vibratory and rotary ball mill. 2,613,036, Oct. 7.

Robinson, Robert A., Long Beach, and W. F. Eberz, Altadena, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Method and apparatus for testing suspensions. 2,599,583, June 10.

Robinson, Ronald R.: *See*—
Burks, George E., and Robinson.

Robinson, Ronald R., Morton, and F. B. Laux, assignors to Caterpillar Tractor Co., Peoria, Ill. Starter pinion engaging mechanism. 2,621,532, Dec. 16.

Robinson, Roy H., Chicago, Ill. Making cellular structures. 2,593,714, Apr. 22.

Robinson, Russell I., assignor to The Louis Allis Company, Milwaukee, Wis. Vertical sanitary motor. 2,592,070, Apr. 8.

Robinson, Russell I., assignor to The Louis Allis Company, Milwaukee, Wis. Cooling heavy duty motors. 2,613,340, Oct. 7.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heating chamber. 2,593,345, Apr. 15.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Continuous separation of hydrocarbons with cuprous halide absorbents. 2,606,938, Aug. 12.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of aromatic hydrocarbons. 2,608,594, Aug. 26.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Evaporative crystallization process and apparatus therefor. 2,614,035, Oct. 14.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company, Magnesium aluminate pebble. 2,618,566, Nov. 18.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion process and reaction chamber for pebble heater apparatus. 2,623,842, Dec. 30.

Robinson, Saul C., Portland, Oreg. Equalizer for artificial dentures. 2,587,528, Feb. 26.

Robinson, Thomas, assignor to Micromax, Inc., New York, N. Y. Method and apparatus for the separation of isotopes, etc., by molecular distillation. 2,586,717, Feb. 19.

Robinson, Thomas R., Jr., Newton, assignor to The Marlin Firearms Company, New Haven, Conn. Receiver and action assembly for firearms. 2,611,204, Sept. 23.

Robinson, Walter, and B. A. Landry, Columbus, Ohio, assignors, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Producing a gaseous motive fluid with pulverized fuel. 2,616,252, Nov. 4.

Robinson, William A.: *See*—
Cartier, William O., McLaughlin, Robinson, and Wise.

Robinson, William H., Dayton, Ohio. Container and closure therefor. 2,614,727, Oct. 21.

Robishaw, Earl J.: *See*—
Yancey, John R., and Robishaw.

Robishaw, Earl J., assignor to A-1 Bit & Tool Company, Houston, Tex. Casing mill. 2,599,069, June 3.

Robison, Clinton S., Jr., Wilmette, Ill., assignor to Oliver United Filters Incorporated, Oakland, Calif. Continuous rotary drum thickener. 2,598,606, May 27.

Robison, Jarvis L.: *See*—
Kagay, Vestal A., and Robison.

Robison, Kenneth L.: *See*—
Michael, Pierre L., and Robison.

Robison, Robert D., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake system. 2,597,598, May 20.

Roblin, Richard O., Jr.: *See*—
Clapp, James W., and Roblin.

Robotron Corporation, assignee: *See*—
Rockafellow, Stuart C.

Robson, Duer C.: *See*—
Rayburn, Vincent A., and Robson.

Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and severing strands. 2,604,942, July 29.

Robson, Homer L., Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Stable lithium hypochlorite composition. 2,590,794, Mar. 25.

Robson, Stanley, Enfield, assignor to The National Smelting Company Limited, London, England. Condensation of zinc from its vapor in gaseous mixtures. 2,583,668, Jan. 29.

Robson, William S., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Inductively heated shoemaking apparatus. 2,610,287, Sept. 9.

Roby, Sheldon S., Meriden, assignor to The Stanley Works, New Britain, Conn. Electric mat switch. 2,611,049, Sept. 16.

Rocchini, Albert G., Springdale, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Mineral oil compositions. 2,588,412, Mar. 11.

Rocchini, Albert G., Springdale, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Mineral oil compositions. 2,604,451, July 22.

Rocco, William A., Scotia, N. Y., assignor to General Electric Company. Single crystal fabrication. 2,594,998, Apr. 29.

Rocereta, William J., Penn Township, Allegheny County, Pa. Opening tool for paper cartons. 2,621,549, Dec. 16.

Roche, Alleman H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric amplifier with negative feedback. 2,611,833, Sept. 23.

Roche, Alleman H., F. O. Roe, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Housing for apparatus installed in subaqueous cables. 2,613,284, Oct. 7.

Roche, Arthur F.: *See*—
Dieckmann, James R., Muscott, and Roche.

Roche, Arthur F., Freeland, and R. M. Price, assignors to The Dow Chemical Company, Midland, Mich. Molding compositions. 2,588,660, Mar. 11.

Roche, Henri, assignor to "Ascenseurs Edoux-Samain," Paris, France. Controlling device for doors. 2,621,925, Dec. 16.

Roche, John C.: *See*—
Watson, Nathan J., and Roche.

Rochefort, François, Courbevoie, France. Multicellular volumetric rotary machine. 2,622,569, Dec. 23.

Rochester Button Company, assignee: *See*—
Frankl, Egon.

Rochester Germicide Company, assignee: *See*—
Keene, Alvin D., Jr.

Rochester Lead Works, Inc., assignee: *See*—
De Quasie, Lacy G., and Eisenberg.

Rochester, Lester L., Port Clinton, assignor of one-half to D. B. Rideout, Fremont, Ohio. Name plate attaching means for grave markers. 2,586,178, Feb. 19.

Rochester, Lester L., Port Clinton, Ohio. Metallic fence construction. 2,607,563, Aug. 19.

Rochester Manufacturing Company, assignee: *See*—
Connolly, William B.
Hastings, Warren W., and Hunt.
Hastings, Warren W., and Tollefsen.

Rock, Clarence A., Costa Mesa, Calif. Spring operated rapid-fire toy gun. 2,619,949, Dec. 2.

Rock, John A.: *See*—
Robertson, John A., and Rock.

Rock, Joseph, Jr., North Syracuse, assignor to Crouse-Hinds Company, Syracuse, N. Y. Filling machine. 2,601,717, July 1.

Rock, Joseph J., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Movable control pendant for machine tools. 2,605,988, Aug. 5.

Rockafellow, Stuart C., Farmington, assignor to Robotron Corporation, Detroit, Mich. Differential control. 2,585,589, Feb. 12.

Rockafellow, Stuart C., Farmington, assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,587,385, Feb. 26.

Rockafellow, Stuart C., Farmington, Mich., assignor to Robotron Corporation. Electric welding control with phase shift. 2,605,448, July 29.

Rockefeller, Beveridge J., Bronxville, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Roll film container and package. 2,607,476, Aug. 19.

Rocker, Earl E., Easton, Pa., assignor to Bethlehem Steel Company. Steel frog tie with special clips. 2,611,077, Sept. 16.

Rocker, William P., Atlanta, J. B. Taylor, Decatur, and J. M. Eidson, Lithia Springs, assignors to Southern Spring Bed Co., Atlanta, Ga. Metal bed. 2,607,928, Aug. 26.

Rockerath, John L., Utica, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machines. 2,581,603, Jan. 8.

Rocket Distributors, Inc., assignee: *See*—
Volpe, Alfred N.

Rockey, Benjamin W., Overland Park, Kans., and E. L. Salmon, Kansas City, Mo. Package and supporting tag for fuse plugs. 2,604,204, July 22.

Rockey, Harry J., Sr.: *See*—
Weimer, John H., and Rockey.

Rockford Machine Tool Company, assignee: *See*—
Herrstrum, Rudolph E.

Rockhoff, Bert E., Grosse Pointe Farms, assignor to Detroit Steel Products Company, Detroit, Mich. Adjustable feed table for rolled sheet stock. 2,592,469, Apr. 8.

Rock Island Millwork Company, assignee: *See*—
Weyerhaeuser, Frederick.

Rockledge Manufacturing Company, assignee: *See*—
Weakland, Walter L.

Rockmore Company, Inc., assignee: *See*—
Rockmore, Martin F.

Rockmore, Martin F., New Rochelle, assignor to Rockmore Company, Inc., New York, N. Y. Novelty cap. 2,611,902, Sept. 30.

Rockoff, Joseph: *See*—
Bacon, Henry M., and Rockoff.

Rockoff, Joseph, Dayton, Ohio, assignor to The Dayton Rubber Company. Rubber covered roll. 2,594,348, Apr. 29.

Rockola, David C.: *See*—
Cambron, John R., and Rockola.

Rockola, David C., assignor to Rock-ola Manufacturing Corporation, Chicago, Ill. Home bar. 2,585,590, Feb. 12.

Rockola, David C., assignor, by mesne assignments, to The Rock-Ola Manufacturing Corporation, Chicago, Ill. Parking meter. 2,593,191, Apr. 15.

Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph. 2,606,765, Aug. 12.

Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin chute mechanism. 2,611,468, Sept. 23.

Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Gluing press for making playboards. 2,618,302, Nov. 18.

Rock-ola Manufacturing Corporation, assignee: *See*—
Cambron, John R., and Rockola.
Reiman, Alfred E.
Rockola, David C.
Toolan, John J., and Reiman.
Triman, Eugene L.

Rocks, Ewalt H., Racine, Wis. Drafting lead point shaper. 2,614,534, Oct. 21.

Rockvam, Arnold, assignee: *See*—
Thompson, John H.

Rockwell, Albert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Automatically variable speed scavenge pump drive. 2,581,886, Jan. 8.

Rockwell-Barnes Company, assignee: *See*—
Jones, Charles E.

Rockwell, Edward A., Cleveland, Ohio. Cylinder piston structure. 2,593,055, Apr. 15.

Rockwell, Edward A., Cleveland, Ohio. Power pressure intensifier. 2,593,394, Apr. 15.

Rockwell, Edward A., Shaker Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Pressure converter system and apparatus therefor. 2,588,048, Mar. 4.

Rockwell, Edward A., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Accessory hydraulic adjuster. 2,593,192, Apr. 15.

Rockwell, Edward A., Shaker Heights, Ohio. Sealing means. 2,593,193, Apr. 15.

Rockwell, Edward A., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Tandem power unit for applying hydraulic pressure. 2,603,066, July 15.

Rockwell, Edward A., Shaker Heights, Ohio. Power unit pressure responsive device. 2,608,061, Aug. 26.

Rockwell, Edward A., Shaker Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Master cylinder power system. 2,617,259, Nov. 11.

Rockwell, Edward A., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Check and regulator valve apparatus. 2,617,443, Nov. 11.

Rockwell, Gaynor O., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Gun recoil absorbing mechanism. 2,598,017, May 27.

Rockwell, Harvey W., assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa. Hydraulic system. 2,592,338, Apr. 8.

Rockwell, Ludlum H., Bloomsburg, Pa. Pick wheel operated loom stop motion mechanism. 2,599,584, June 10.

Rockwell Manufacturing Company, assignee: *See*—
Batchelder, George E., and Macneil.
Bergman, Charles P.
Eschenburg, William A.
Evans, Howard J.
Johnson, Clarence.
Kreidler, Earl M.
Martin, Harold F.
Niesemann, Fritz.
Rasoletti, Julius E.
Scherer, George F.
Thorn, Thomas H.
Waters, Russell M., and Batchelder.
Wiken, Christy A., and Reibig.

Rockwell, Paul O., and J. C. Goshorn, Baltimore, Md., assignors to the United States of America as represented by the Secretary of War. Absorbent for purifying air. 2,612,434, Sept. 30.

Rockwell, Ralph A., Hingham, assignor to Mason-Neilan Regulator Company, Boston, Mass. Valve position indicator. 2,599,286, June 3.

Rockwell Register Company, assignee: *See*—
Pelmer, Brian C.

Rockwell, Ronald J., assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Arm for holding a stylus for use with sound records. 2,587,529, Feb. 26.

Rockwood, Alan C., Newton, Mass., and H. D. Felsenthal, Camarillo, Calif., assignors to Raytheon Manufacturing Company, Newton, Mass. Beam power tube. 2,611,098, Sept. 16.

Rockwood, Arthur G.: *See*—
Holveck, Joseph E., and Rockwood.
Wright, Elliott F., and Rockwood.

Rockwood Corporation, assignee: *See*—
Blecko, Carl.

Rockwood, Donald, Lancaster, Calif. Animated toy. 2,620,593, Dec. 9.

Rockwood, George H., Jr., Summit, and R. L. Vance, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,607,901, Aug. 19.

Rockwood, George I., Worcester, Mass. Apparatus for handling patients. 2,611,905, Sept. 30.

Rockwood Sprinkler Company, assignee: *See*—
Freeman, Howard G.

Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.

Rocla Limited, assignee: *See*—
Fitzpatrick, Frank L.

Rodabaugh, Louis D., Oberlin, Ohio. Wheeled toy. 2,601,006, June 17.

Rodacker, Albert R., Chico, Calif. Food molding device. 2,611,250, Sept. 23.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Societe Anonyme, Etablissements Ed. Jaeger, Levallois-Perret, France. Register. 2,596,044, May 6.

Roddan, Glenn H., Hammond, Ind. Toilet paper holder. 2,592,955, Apr. 15.

Roddenbery, Walter B., Jr., Cairo, Ga. Molding machine. 2,596,602, May. 13.

Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Adjustable roll support. 2,599,414, June 3.

Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Pneumatic counterbalance for flying hot saws. 2,618,045, Nov. 18.

Rodder, William, and D. V. Strock, Youngstown, and L. S. Heym, Poland, assignors to The Aetna-Standard Engineering Company, Youngstown, Ohio. Cutoff machine. 2,604,690, July 29.

Roddin, Daniel P., Brooklyn, and B. L. Kline, Manhasset, assignors to The Western Union Telegraph Company, New York, N. Y. Making a telegraphic facsimile transmitting blank. 2,593,923, Apr. 22.

Roddis Plywood Corporation, assignee: *See*—
Fausner, Matthew G.

Roddy, Stewart P.: *See*—
Broadhead, James G., and Roddy.

Roddy, Thomas C., Jr.: *See*—
Osterhout, Johan C. D., and Roddy.

Rodeck, Armin H., and A. G. Massey, assignors to Massey Machine Company, Watertown, N. Y. Fluid pressure compensating means for hydraulic governors. 2,623,504, Dec. 30.

Rodefer, Lloyd, San Diego, Calif., assignor to M. Rodefer. Wet clothes tray. 2,591,467, Apr. 1.

Rodefer, Magdelena, assignee: *See*—
Rodefer, Lloyd.

Rodel, Albert, New York, and K. E. Schukraft, Brooklyn, N. Y., said Schukraft assignor to said Rodel. Food cutting apparatus. 2,583,595, Jan. 29.

Rodenburg, Gudo H., Helmond, and G. Holst, Aalst near Eindhoven, assignors to N. V. P. F. van Vlissingen & Co.'s Katoenfabrieken, Helmond, Netherlands. Screen printing table. 2,588,989, Mar. 11.

Rodenburg, Gudo H., Helmond, and G. Holst, Aalst near Eindhoven, assignors to N. V. P. F. van Vlissingen & Co.'s Katoenfabrieken, Helmond, Netherlands. Screen printing table for printing on fabrics. 2,623,464, Dec. 30.

Rodenhuis, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Self-balancing push-pull amplifier. 2,616,988, Nov. 4.

Roderick, Frank J., Philadelphia, Pa. Check positioning means for checkwriters. 2,622,527, Dec. 23.
Rodger, Robert M., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Piston. 2,616,772, Nov. 4.
Rodgers, Elbert A., Altus, Okla. Retort and heating same. 2,616,680, Nov. 4.
Rodgers, James P., Belleville, N. J., assignor to Elliott Company, Jeanette, Pa. Two-arm expanding head tube cleaner. 2,597,263, May 20.
Rodgers, Marcus D., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Balloon controlling device. 2,603,938, July 22.
Rodin, William F., Los Angeles, Calif. Dental clasp surveyor and parallelometer 2,616,176, Nov. 4.
Rodman, Clarke A., Garden City, N. Y., and N. L. Tewksbury, Fall River, Mass., assignors to Fram Corporation. Filtering. 2,609,931, Sept. 9.
Rodman, Clarke A., Garden City, N. Y., and N. L. Tewksbury, Fall River, Mass., assignors to Fram Corporation. Filtering by attracting sludge particles. 2,613,813, Oct. 14.
Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydration of organic fluids. 2,595,544, May 6.
Rodman, Frank A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing construction. 2,583,343, Jan. 22.
Rodman, Thomas E., Glencoe, Ill. Random tool rack. 2,587,226, Feb. 26.
Rodock, John, Washington, D. C. Ball retarder for bowling alleys. 2,586,718, Feb. 19.
Rodolfa, John D., San Jose, Calif. Outer bearing for rotatable servers. 2,600,922, June 17.
Rodrigue, Joseph A.: *See*—
Pepin, William, and Rodrigue.
Rodriguez, Luis M. L., Habana, Cuba. Continuous clarifier. 2,599,782, June 10.
Rodwell Engineering and Sales Company, assignee: *See*—
Whitehouse, Ben.
Rody, Pasquale, Phoenix, Ariz. Alarm for deaf persons. 2,580,598, Jan. 1.
Roe, A. V., Canada Limited, assignee: *See*—
Bobbs, William P.
Boyd, Winnett.
Boyd, Winnett, and Purvis.
Creek, John O.
Garside, Samuel H. E.
Marchant, Lawrence E.
Moore, John D., and Wood.
Morrison, Donald E.
Purvis, Joseph T.
Secord, Lloyd C., and Boyd.
Roe, Charles C.: *See*—
Le Tourneau, Robert G., and Roe.
Roe, De Forest, Brentwood, Pa., assignor to United States Steel Company. Apparatus for moving articles on caster beds. 2,622,745, Dec. 23.
Roe, De Forest, Pittsburgh, Pa., assignor to United States Steel Company. Universal sheave bracket assembly. 2,581,298, Jan. 1.
Roe, Edward T.: *See*—
Swern, Daniel, Roe, and Scanlan.
Roe, Edward T., and D. Swern, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Producing amides. 2,608,562, Aug. 26.
Roe, Ernest, assignee: *See*—
Schulze, Kurt E.
Roe, Frank L., Evanston, Ill. Single piece kite. 2,588,293, Mar. 4.
Roe, Frederick O.: *See*—
Roche, Alleman H., and Roe.
Roe, Jonas L., Boulder Creek, Calif., assignor to Quandro Mining & Equipment Corp. Endless digger type mine dredger. 2,597,036, May 20.
Roe, Loyal K.: *See*—
Erickson, Fred E., and Roe.
Roe, William C., assignor to The Colson Corporation. Elyria, Ohio. Up-ender. 2,600,577, June 17.
Roe, William C., assignor to Telkor, Inc., Elyria, Ohio. Alternating current frequency converter. 2,603,769, July 15.
Roe, William G., and R. G. Nightingale, assignors to The Colson Corporation, Elyria, Ohio. Tricycle drive mechanism and frame therefor. 2,593,347, Apr. 15.
Roe, Willis E., Chicago, Ill. Saw operating mechanism. 2,593,346, Apr. 15.
Roeben, Ernest H., St. Paul, Minn. Fishhook guard. 2,589,435, Mar. 18.
Roebling's, John A., Sons Company, assignee: *See*—
Cole, Robert J., and Yard.
Nixon, Leroy.
Roebuck, Alan K., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Isomerization of saturated hydrocarbons with sulfuric acid. 2,623,076, Dec. 23.
Roebuck, George: *See*—
Mariani, Dominic, Patasce, and Roebuck.
Roebuck, James O.: *See*—
Bordewieck, Robert W., Roebuck, and Sleeper.
Roedel, George F., Schenectady, N. Y., assignor to General Electric Company. Polymerizing chlorotrifluoroethylene. 2,613,202, Oct. 7.
Roedel, Milton J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of dibasic carboxylic acids. 2,601,223, June 24.
Roedel, Milton J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of difunctional compounds. 2,601,224, June 24.
Roeder, Jacques L. E., Raddon, assignor to Societe Anonyme d'Industrie Cotonniere, Mulhouse (Haut-Rhin), France. Spindle for spinning frames. 2,622,388, Dec. 23.
Roediger, Joseph C., Brooklyn, N. Y., assignor to Standard Oil Development Company. Preparing asphalt coated aggregate. 2,609,305, Sept. 2.
Roediger, Joseph C., Brooklyn, N. Y., assignor to Standard Oil Development Company. Air-blowing asphalt. 2,616,837, Nov. 4.
Roeding, Fred C., and G. M. Stein, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Self-protected distribution transformer. 2,597,185, May 20.
Roehm, Erwin G., Norwood, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pilot valve controlled tracer valve. 2,618,244, Nov. 18.
Roehm, Erwin G., Norwood, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Tracer control mechanism. 2,622,489, Dec. 23.
Roehm, Erwin G., Norwood, and H. Fritschi, Silverton, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Spindle transmission and positioning mechanism. 2,622,486, Dec. 23.
Roehr, Zbislaw M.: *See*—
Glass, George B., Bandrowski and Roehr.
Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Slide fastener. 2,581,604, Jan. 8.
Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Battery. 2,590,824, Mar. 25.
Roelandts, Adelson, Mont-St. Amand-Lez-Gand, Belgium. Shuttle. 2,583,796, Jan. 29.
Roell, William J., and T. O. Berreau, Minneapolis, Minn. Spray nozzle with pressure operated clean out. 2,614,885, Oct. 21.
Roemer, Benjamin C., Manitowish Waters, Wis. String mounted bow deflector. 2,617,402, Nov. 11.
Roemer, Louise E., assignee: *See*—
Duerr, Carl F., Jr.
Osterhus, Ervin J.
Tompkins, John E.
Roemer, Ralph R., assignee: *See*—
Duerr, Carl F., Jr.
Osterhus, Ervin J.
Tompkins, John E.
Roen, Gunnar, Vikeland, near Kristiansand, Norway. Paper winding machine. 2,599,942, June 10.
Roeper, Paul M., Paris, France. Device relative to color television. 2,590,350, Mar. 25.
Roes, Carl W., Pikesville, Md. Fishing spoon hook mounting. 2,590,723, Mar. 25.
Roes, Carl W. Pikesville, Md. Oscillating fish lure. 2,596,959, May 13.
Roesch, George R., Toledo, assignor to The Peters Stamping Company, Perrysburg, Ohio. Brake operating mechanism. 2,598,133, May 27.
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Machine for milling pockets in curved stereotype plates. 2,613,578, Oct. 14.
Roeser, John O., assignor to The Exhibit Supply Company, Chicago, Ill. Electric switch of the snap action type. 2,594,216, Apr. 22.
Roeser, John O., assignor to The Exhibit Supply Co., Chicago, Ill. Mechanism for operating a momentary switch for an electric circuit. 2,616,009, Oct. 28.
Roeser, Ralph A., Ann Arbor, Mich. Dental tray. 2,619,725, Dec. 2.
Roessler, Charles E., Jr.: *See*—
Macgeorge, William D., and Roessler.
Roessler, Louis W., Rochester, Minn. Bed attachment. 2,601,686, July 1.
Roesti, Hans: *See*—
Widmer, Willy, Buehler, and Roesti.
Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,603,516, July 15.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,604,345, July 22.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door handle assembly. 2,606,783, Aug. 12.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Pivotal joint for window control mechanism. 2,610,876, Sept. 16.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Deck lid hinge. 2,612,651, Oct. 7.
Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,614,399, Oct. 21.
Roethell, Bruno E.: *See*—
Barr, Frank T., Roethell, and Scharmann.

Roethell, Bruno E., Cranford, and C. E. Hemminger, Westfield, N. J., assignors to Standard Oil Development Company. Apparatus for gasifying carbonaceous fuel. 2,623,815, Dec. 30.
Roetter, Robert P., Gary, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic control apparatus. 2,612,870, Oct. 7.
Roffee, Arthur P., Lincoln Park, R. I. Combination toy and savings bank. 2,581,707, Jan. 8.
Roffey, William A.: *See*—
Mason, James A., and Roffey.
Roffey, William A., and C. A. Tredget, Deptford, assignors to Molins Machine Company Limited, London, England. Apparatus for feeding labels or blanks. 2,591,199, Apr. 1.
Rogacki, Lester K., Huntington Station, N. Y., assignor to The Sperry Corporation. Tool. 2,585,038, Feb. 12.
Rogallo, Vernon L., Culver City, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Pressure seal. 2,596,045, May 6.
Roger, Albert J., Oakland, Calif. Electrical connection plug. 2,597,262, May 20
Roger, Raymond J. E.: *See*—
Huard, Georges G., and Roger.
Rogers, Andrew E., New York, N. Y. Anchor raising and lowering means. 2,599,200, June 3.
Rogers, Arthur E.: *See*—
Eastwood, Fred, Lasch, and Rogers.
Rogers, Arthur G.: *See*—
Hipkin, Howard G., Horwitz, and Rogers.
Rogers, Arthur L., Gettysburg, S. Dak. Folding drawbar for harrows. 2,597,533, May 20.
Rogers, Arthur P., Harris, and D. McLaughlin, Monticello, assignors to Romac Company, Inc., Harris, N. Y. Retractable sling for guns. 2,614,355, Oct. 21.
Rogers, Bertram C., Sharon, Pa. High-voltage breaker and recloser. 2,614,191, Oct. 14.
Rogers Brothers Corporation, assignee: *See*—
Keesler, Clyde C.
Rogers, Hugh L.
Rogers, Cecil B., Berkeley, Calif. Automobile wheel balancer. 2,588,766, Mar. 11.
Rogers, Charles, Jr.: *See*—
Gross, William F., and Rogers.
Rogers, Curt R., Gatesville, Tex. Telescopic camping trailer. 2,581,556, Jan. 8.
Rogers, David F., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Germicidal compositions. 2,614,060, Oct. 14
Rogers, Dilworth T., Summit, N. J., assignor to Standard Oil Development Company. Inhibiting rusting. 2,585,843, Feb. 12.
Rogers, Edward F.: *See*—
Rasmussen, Ida M., and Rogers.
Rogers, Eugene D., Key West, Fla. Hand-operated liquid atomizer. 2,591,296, Apr. 1.
Rogers, Francis H.: *See*—
Huzenlaub, Erich G., and Rogers.
Rogers, Frank E., deceased, Patton, Pa.; J. Rogers, executrix, assignor to herself individually. Rattrap. 2,599,017, June 3.
Rogers, Frank O., Dearborn, Mich. Fishing tip-up signal. 2,608,783, Sept. 2.
Rogers, Gael S., assignor to Kimball Elevator Co., Ltd., Los Angeles, Calif. Interlocking elevator door latch switch. 2,611,840, Sept. 23.
Rogers, Gardiner M., Ithaca, N. Y. Fuel injector. 2,590,575, Mar. 25.
Rogers, Gardiner M., Ithaca, N. Y. Fuel injector. 2,599,018, June 3
Rogers, Gardiner M., and C. O. Mackey, Ithaca, N. Y., assignors to Orange-Crush Company, Chicago, Ill. Mixing valve. 2,604,114, July 22.
Rogers, George V., Colchester, Salem, Conn. Power actuated scroll chuck. 2,588,938, Mar. 11.
Rogers, Gordon F., New Hyde Park, N. Y., assignor to Radio Corporation of America. Keyed automatic gain control system. 2,615,089, Oct. 21.
Rogers, Grant H., assignor to Fairmont Canning Company, Fairmont, Minn. Sweet corn on the cob selecting, trimming, and packaging machine. 2,580,599, Jan. 1.
Rogers, Harvey R., Springfield, Ill. Stop light mechanism for motor vehicles. 2,584,292, Feb. 5.
Rogers, Hugh L., assignor to Rogers Brothers Corporation, Albion, Pa. Detachable fluid pressure operated gooseneck for trailers. 2,590,210, Mar. 25.
Rogers, Job R., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Dynamic motor braking and reversing circuit. 2,606,312, Aug. 5.
Rogers, John P., Liverpool, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Transmission. 2,609,702, Sept. 9.
Rogers, Josephine, executrix: *See*—
Rogers, Frank E.
Rogers, Lockhart B.: *See*—
Griess, John C., Jr., and Rogers.
Rogers, Loda W., West Lafayette, Ind., Portable water purifier. 2,604,991, July 29.
Rogers, Louis F., and M. S. Ebert, Wilmington, Del., assignors to Continental Can Company, Inc., New York, N. Y. Thermoadhesive composition and composite closure liner formed therewith. 2,597,378 May 20.
Rogers, Mary P., Hilo, Territory of Hawaii. Preserving the freshness of cut ferns. 2,581,299, Jan. 1.
Rogers, Paul M., Newport Beach, Calif., assignor to National Automotive Fibres, Inc., Detroit, Mich. Manufacture of mops. 2,621,977, Dec. 16.
Rogers, Philip S., W. O. Emmons, J. W. Godfrey, and J. M. Kelso, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Oxygen regenerator. 2,591,878, Apr. 8.
Rogers, Raymond A.: *See*—
Fischer, Paul W., and Rogers.
Rogers, Robert W., Barrington, R. I., and S. Reback, Fall River, Mass., assignors to Scott Testers, Inc. Test clamp for test specimen. 2,600,923, June 17.
Rogers, Stuart M., Syracuse, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Continuous hypochlorite process for bleaching cotton textiles. 2,602,723, July 8.
Rogers, Thomas H., Jr., and W. T. L. Ten Broeck, assignors to Wingfoot Corporation, Akron, Ohio. Sponge rubber containing wax. 2,594,217, Apr. 22.
Rogers, Thomas H., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Sponge rubber and making same. 2,598,018, May 27.
Rogers, Walter E., Stow, and N. H. Nye, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Die holding and lubricating mechanism. 2,581,708, Jan. 8.
Rogers, Walter F.: *See*—
Kennedy, Harvey T., and Rogers.
Rogers, William J.: *See*—
Kridel, Donald J., and Rogers.
Rogers, William J., Brooklyn, N. Y. Air cooling system for tents or canopies. 2,581,709, Jan. 8.
Rogers, William J., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilizing agent for single powder photographic developers. 2,606,118, Aug. 5.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand Inc., New York, N. Y. High-speed sensitive relay. 2,585,684, Feb. 12.
Roggenstein, Edwin O., Norwalk, Conn., and E. F. Thierfelder, Ilion, assignors to Remington Rand, Inc., New York, N. Y. Tabulating and total sensing control mechanism. 2,585,685, Feb. 12.
Roggie, William C.: *See*—
Droeger, Carl C., Meloy, and Roggie.
Roginski, John S., Boston, Mass. Headrest. 2,613,731, Oct. 14.
Rogndal, Rikard, Bergen, Norway. Lightweight, flexible, resilient, and nonskid sole for footwear. 2,580,840, Jan. 1.
Roha, Max E., Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of dialkyl beta-propiothetins. 2,602,801, July 8.
Rohde, Per J., Oslo, Norway. Workbox for sewing material and tailor tools. 2,616,597, Nov. 4.
Rohdin, Howard A., Glen Ridge, N. J. Bag with coloring capsule. 2,605,896, Aug. 5.
Rohdin, Howard A., Glen Ridge, N. J. Apparatus for vacuum filling containers. 2,608,335, Aug. 26.
Rohdin, James O., Staket, assignor to Esselte forpackning ab, Norrkoping, Sweden. Carton erecting machine. 2,619,882, Dec. 2.
Rohe, Ludwig M. van der: *See*—
Lorenz, Anton, and van der Rohe.
Rohen, Elmer D., Holland, Mich. Vehicle body heater. 2,599,585, June 10.
Rohland, Curt J., Seekonk, Mass., assignor to Universal Winding Company, Providence, R. I. Serving machine. 2,622,808, Dec. 23.
Rohm, Frank T., assignee: *See*—
Olson, Andrew.
Rohm & Haas Company, assignee: *See*—
Auten, Robert W., and Meunier.
Bauer, La Verne N., Neher, and Van Horne.
Bauer, La Verne N., Van Horne, and Neher.
Bodamer, George W.
Boettner, Fred E., and Croxall.
Bortnick, Newman M.
Canale, Alfred and Kincaid.
Craig, W. E., and Culver.
Craig, W E. and Exner.
Croxall, Willard J., and Dawson.
Croxall, Willard J., and Melamed.
Croxall, Willard J., and Van Hook.
Culver, Martin J., and Bock.
Dawson, John W., and Croxall.
De Benneville, Peter L.
De Benneville, Peter L., and Strong.
Hurwitz, Melvin D.
Hurwitz, Melvin D., and Auten.
Hwa, Jesse C. H.
McBurney, Charles H.
Koroly, Joseph E.
Lo, Chien-Pen, Shropshire and Croxall.
McBurney, Charles H.
McKeever, Charles H.
McKeever, Charles H., and Nemec.
Melamed, Sidney, and Croxall.
Neher, Harry T., Bauer, and Van Horne.
Neher, Harry T., Specht, and Neuman.
Neher, Harry T., Van Horne, and Bauer.
Niederhauser, Warren D.

Rohm & Haas Company, assignee: *See*—Continued.
Perry, William A., and Merrill.
Robinson, Margaret I., and Auten.
Rowland, Stanley P.
Smythe, Carl V., Drake, and Miller.
Smythe, Carl V., and Neubeck.
Smythe, Carl V., and Robb.
Specht, Edward H., Neuman, and Neher.
Van Hook, John O., and Croxall.
Van Horne, William L., Bauer, and Neher.
Van Horne, William L., Neher, and Bauer.
Vaughan, James L., and Merrill.
Yost, Robert S., and Auten.
Röhm & Haas G. m. b. H., assignee: *See*—
Beier, Helmut.
Tessmar, Klaus.
Rohn, Abbott M., Detroit, Mich. Composition consisting of polyvinyl alcohol and trimethylene glycol. 2,594,498, Apr. 29.
Rohn, Abbott M., Detroit, Mich. Noiseless sheave. 2,609,699, Sept. 9.
Rohr Aircraft Corporation, assignee: *See*—
Brolaski, George R.
Gross, Bernard.
Maynard, Kermit W., and Weidel.
Shetler, Ray E.
Weidel, Joseph C.
Rohrback, Fred H., Kansas City, Kans. Rhubarb cleaning machine. 2,587,764, Mar. 4.
Rohrback, Gilson H., Whittier, R. A. Stoner, Fullerton. M. Macaulay and W. T. Cardwell, Jr., Whittier, assignors to California Research Corporation, San Francisco, Calif. Method and apparatus for detecting fluid movement in well bores. 2,596,437, May 13.
Rohrberg, Paul W., Port Chester, assignor to Faximile, Inc., New York, N. Y. Helix mounting system. 2,580,464, Jan. 1.
Rohrer, Frederick E., Paola, Kans. Auxiliary furrow opener. 2,587,765, Mar. 4.
Rohrer, Karl: *See*—
Nilsen, Arne, and Rohrer.
Rohrer, Karl, assignor to Onsrud Machine Works Inc., Chicago, Ill. Automatic guide pin for routing machines. 2,592,187, Apr. 8.
Rohs, Joseph F., Riverside, Conn., and O. W. Davidson, New Brunswick, N. J., assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Fabric cover. Re. 23,603, Dec. 23.
Rohs, Joseph F., Riverside, Conn., and O. W. Davidson, New Brunswick, N. J., assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Fabric cover. 2,601,326, June 24.
Roi, René C., assignor to Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.), Paris, France. Rotary masher. 2,612,922, Oct. 7.
Roi, René C., assignor to Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.), Paris, France. Household implement for comminuting foodstuff. 2,612,923, Oct. 7.
Rojahn, Fred H., Lynbrook, N. Y. Apparatus for interlockably assembling fastener stringers. 2,613,433, Oct. 14.
Rojas, Floricel A., New York, N. Y. Electrodeposition of chromium. 2,587,651, Mar. 4.
Roketa, Stanley J., Minneapolis, Minn. Ladder rest. 2,597,902, May 27.
Rokos, Michael P., Oakview, assignor of one-half to T. G. Rokos, Los Angeles, Calif. Backlash take-up device. 2,610,519, Sept. 16.
Rokos, Ted G., assignee: *See*—
Rokos, Michael P.
Roland, Edward H.: *See*—
Nielsen, Kaj L., and Roland.
Roland, George J., assignee: *See*—
Pappas, Nicholas A.
Rolf, Edgar H., Cheviot, Ohio. Artificial fish lure. 2,605,574, Aug. 5.
Rolfson, Francis B., San Pablo, assignor to Shell Development Company, San Francisco, Calif. Temperature compensator for capacitors. 2,588,938, Mar. 11.
Rolfson, Francis B., San Pablo, assignor to Shell Development Company, San Francisco, Calif. Boiling-point apparatus. 2,594,683, Apr. 29.
Roll, Herman J. W., Dorridge, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Plunger for inflating pumps. 2,584,926, Feb. 5.
Rolladenfabrik A. Griesser A.-G., assignee: *See*—
Griesser, Fritz.
Rollat, Germain, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Microscope measuring device. 2,592,339, Apr. 8.
Roller Gear Corporation, assignee: *See*—
Schottler, Henry.
Rollie, Ada E.: *See*—
Rollie, Robert D. and A. E.
Rollie, Robert D. and A. E., St .Paul, Minn. Toilet bowl brush cabinet. 2,595,412, May 6.
Roller Riddle Corp., assignee: *See*—
Faulkner, Edward.
Rollin, George W.: *See*—
Porter, Charles A., and Rollin.
Rollings, David R., Dearborn, assignor to Security Sash & Screen Company, Detroit, Mich. Spring clip. 2,596,438, May 13.
Rollins, Albert W.: *See*—
McCrory, Kenneth W., and Rollins.
Rollins, Brook H., Jr., Baltimore, Md. Fruit halving and pitting device. 2,588,575, Mar. 11.
Rollins, Jennings F., Westfield, N. J., and M. E. Brooks, Elmhurst, assignors to The Lummus Company, New York, N. Y. Distillation column. 2,591,010, Apr. 1.
Rollins, Lester G.: *See*—
Barrett, Arthur L., and Rollins.
Rollman, Michael A., Landisville, Pa. Electric iron. 2,593,194, Apr. 15.
Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Selective oxidation with suspended catalyst. 2,604,479, July 22.
Roll-Rite Corporation, assignee: *See*—
Christensen, Carl O.
Rolls-Royce Limited, assignee: *See*—
Ballantyne, David H.
Ballantyne, David H., and West.
Davies, Kenneth R., and Herbstritt.
Davis, Christopher A.
Evernden, Harold I. F.
Fletcher, Arthur H., Stark, Corbitt, and Sherlaw.
Gresham, Harold E., and Hall.
Gresham, Harold E., Wheeler, and Hall.
Griffith, Alan A.
Grylls, Shadwell H.
Haworth, Lionel.
Haworth, Lionel, and Johnson.
Jubb, Albert.
Judson, Charles A., Read and Hunter.
Lombard, Adrian A.
Lombard, Adrian A., and Morley.
Lombard, Adrian A., Vincent, and Morley.
Mordell, Donald L., and Holliday.
Morley, Charles G.
Morley, Frederick W. W., and Gardiner.
Ouilanoff, George.
Rubbra, Arthur A.
Shelley, Thomas, and Kent.
Wilde, Geoffrey L.
Rollway Bearing Company, Inc., assignee: *See*—
Killian, Rudolph R.
Roloff, Walter H., Kaukauna, Wis. Detachable ballast for traction wheels. 2,606,075, Aug. 5.
Rolph, Donald L.: *See*—
Hopkins, George W., and Rolph.
Rom, Joseph E., Detroit, Mich. Key case. 2,580,600, Jan. 1.
Romac Company, Inc., assignee: *See*—
Rogers, Arthur P., and McLaughlin.
Romagnan, Andrée, assignee: *See*—
Romagnan, Lucien.
Romagnan, Lucien, assignor to A. Romagnan, née (born) Sauvigne, Nice, Alpes-Maritimes, France. Extracting aromatic oils from vanilla beans. 2,601,635, June 24.
Roman, Alfred L., New York, N. Y. Converti-plane. 2,621,001, Dec. 9.
Roman, John, Elizabeth, N. J., assignor of one half to C. Levy, Brooklyn, N. Y. Pie crimping and sealing device. 2,611,328, Sept. 23.
Roman, Louis A., Brooklyn, N. Y. Separable fastener rotating head. 2,595,485, May 6.
Román, Manuel Z., New York, N. Y. Detachable broom holder with replaceable broom head. 2,614,282, Oct. 21.
Roman, Paul, Tuckahoe, assignor to R. M. Roman, Scarsdale, N. Y. Visual indicator and control for miniature trains. 2,609,489, Sept. 2.
Roman, Robert J.: *See*—
Askren, Lee T., and Roman.
Roman, Ruth M., assignee: *See*—
Roman, Paul.
Romanchuk, Nicholas A.: *See*—
King, William N., Romanchuk, and Lynn.
Romanelli, Pat, and C. Miller, New York, N. Y. Water metering flush valve assembly. 2,612,187, Sept. 30.
Romaniuk, Mirko, Cleveland, Ohio. Mechanism to facilitate the turning of the pages of a book. 2,610,434, Sept. 16.
Romano, Horace, Revere, Mass. Vehicle windshield and door construction. 2,620,221, Dec. 2.
Romano, John A., Berkeley Heights, N. J. Producing shingle stock. 2,610,555, Sept. 16.
Romano, Raymond G., assignee: *See*—
Telles, Vincent.
Romberg, Arnold: *See*—
La Coste, Lucien, and Romberg.
La Coste, Lucien J. B., and Romberg.
Romberger, Frank G., Elizabeth, N. J. Fishing rod. 2,616,202, Nov. 4.
Rome Grader Corporation, assignee: *See*—
Lado, Anthony L.
Rome Plow Company, assignee: *See*—
McKay, Augusta P.
Romel, William H., Montclair, N. J. Portable dual control device. 2,597,379, May 20.
Romeo, Samuel T., Baltimore, Md. Portable filing machine. 2,602,216, July 8.
Romero, Frederick B., Washington, D. C. Marine bushing. 2,582,563, Jan. 15.

Romero, Robert, Forset Hills, assignor to Leonard Electric Products Corp., Brooklyn, N. Y. Tuner construction. 2,585,844, Feb. 12.
Romeyn, Hendrik, Jr., Montclair, N. J., and C. D. McCleary, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Emulsion polymerization process. 2,597,951, May 27.
Romeyn, Hendrik, Jr., Montclair, and J. F. Petras, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Elastomer product. 2,600,024, June 10.
Romig, Morris W., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Pendulum scale. 2,607,580, Aug. 19.
Romine, Earnest C., Hardin, Mont., and B. Montegna, Sheridan, Wyo. Automatic tare catcher. 2,600,329, June 10.
Romine, James E., Mishawaka, Ind. C-clamp with right-angularly related clamping screws. 2,610,661, Sept. 16.
Romisons Confectionery Limited, assignee: *See*—
McNamara, John P.
Rommel, William G., Playa Del Rey, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division. Air cleaner. 2,594,805, Apr. 29.
Romo, Jesús: *See*—
Rosenkrans, George, Kaufmann, and Romo.
Romsos, Norman W., Crosby, N. Dak. Wire leader. 2,612,546, Sept. 30.
Ronay, Bela, Glen Burnie, Md. Welding joint and backing therefor. 2,623,148, Dec. 23.
Ronceray, Robert A., Thiais, France. Apparatus for the preheating of pattern plates. 2,592,340, Apr. 8.
Ronceray, Robert A., Thiais, France. Molding machine. 2,592,341, Apr. 8.
Ronceray, Robert A. M., Thiais, France. Mold for the fabrication of metallic chains. 2,606,348, Aug. 12.
Ronci, Victor L.: *See*—
Ekstrand, Sture O., and Ronci.
Rondon Records, Inc., assignee: *See*—
Kovach, Frank J.
Roney, Charles, Hammond, Ind., assignor to Ansul Chemical Company, Marinette, Wis. Stabilization of sulfone resins. 2,606,169, Aug. 5.
Roney, John F., Los Angeles, Calif., assignor to Safway Steel Products, Inc., Milwaukee, Wis. Demountable grandstand seat planks. 2,611,422, Sept. 23.
Roney, Walter E., Chicago, Ill. Combination charcoal broiler and griddle. 2,621,586, Dec. 16.
Ronfeldt, Howard W., Toledo, Ohio. Wheel structure. 2,608,444, Aug. 26.
Ronne, Finn, Chevy Chase, Md. Collapsible boat. 2,580,465, Jan. 1.
Ronning, Adolph, Minneapolis, Minn. Steerable trailer support. 2,605,114, July 29.
Ronning, Adolph, Minneapolis, Minn. Vehicle wheel compensating suspension. 2,612,387, Sept. 30.
Ronning, Martin, St. Louis Park, and K. M. Keith, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Wire feed for hay balers. 2,604,845, July 29.
Ronson Art Metal Works, Inc., assignee: *See*—
Burchett, Ray L., and Nissen.
Flamm, Alexander L.
Nissen, Warren I.
Ronson, Louis G., assignee: *See*—
Farone, Roland J.
Rooch, Allen T., deceased, Cincinnati, Ohio; G. O. Rooch, executrix of said A. T. Rooch. Diffusing apparatus. 2,586,179, Feb. 19.
Rooch, Gertrude O., executrix: *See*—
Rooch, Allen T.
Rood, Alvin A., Cleveland, and J. F. Campbell, Euclid assignor to The Weatherhead Company, Cleveland, Ohio. Hydraulic speed control apparatus for regulating the fuel supply for combustion engines. 2,606,419, Aug. 12.
Rood, Clarence J., Fergus Falls, Minnn. Oil filter. 2,587,903, Mar. 4.
Roodner, Sylvia, New York, N. Y. Strapless slip. Re. 23,533, Aug. 5.
Rooke, George F., Providence, R. I., assignor to G. G. Evans, De Kalb, Ill. Local automatic fire extinguishing system. 2,585,039, Feb. 12.
Rooker, Kenneth M., Des Moines, Iowa. Drag hook. 2,605,129, July 29.
Rooker, William A., assignor to H. F. Byrd, Inc., Berryville, Va. Preparing fruit sauce products. 2,582,396, Jan. 15.
Rooksby, William H., Trafford Park, assignor to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England. Plant for shaping asbestos cement. 2,593,611, Apr. 22.
Rooksby, William H., and H. Homer, Trafford Park, Manchester, and T. Burgess, Dartford, assignors to Turners Asbestos Cement Company Limited, Spotland, Rochdale, England. Method of and apparatus for corrugating asbestos-cement sheets. 2,586,481, Feb. 19.
Rooney, James H.: *See*—
Dreyfus, Henry, Rooney, and Shaw.
Rooney, John L., Chicago, Ill. Eyeglass lens frame. 2,604,010, July 22.
Rooney, William L.: *See*—
Whitehead, William, Steiding, Brown, and Rooney.
Roop, Nathan W., and H. R. Babb, Jr., Columbus, Ohio. Necktie-holding attachment. 2,588,576, Mar. 11.
Roos, Charles J., Muskegon, Mich. Window construction. 2,602,501, July 8.
Roos, Charles J., Muskegon, Mich. Plastic window structure. 2,602,504, July 8.
Roos, Charles J., Muskegon, Mich. Two-way bulkhead door construction. 2,622,283, Dec. 23.
Roos, Charles J., Muskegon, Mich. Protecting means for use in connection with windows. 2,622,285, Dec. 23.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Lubricating bearings. 2,602,522, July 8.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Lubrication system and apparatus. 2,608,273, Aug. 26.
Roos, George R., Chicago, Ill. Hatbox. 2,581,710, Jan. 8.
Roseboom, Auguste, assignee: *See*—
Uytenbogaart, Johannes W. H.
Roost, Oscar W., assignor to The Foxboro Company, Foxboro, Mass. Resistance thermometer. 2,590,041, Mar. 18.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Apparatus for producing curved or plane surfaces. 2,590,042, Mar. 18.
Root, Charles F., assignor to The Chandler and Price Company, Cleveland, Ohio. Curved platen printing press. 2,595,418, May 6.
Root, Elihu, III, Springfield, Vt. Optical system for path-length multiplication in interferometers. 2,583,596, Jan. 29.
Root, Elihu, III, Springfield, Vt. Measuring device employing light interference fringes. 2,604,004, July 22.
Root, John J., New York, N. Y. Direction selection condenser. 2,588,577, Mar. 11.
Root, John J., New York, N. Y. Motor speed control apparatus. 2,599,783, June 10.
Root, Nathan, Grand Rapids, Mich. Cleaning furs. 2,591,663, Apr. 8.
Root, Nila M., Eugene, Oreg. Maternity skirt. 2,618,784, Nov. 25.
Root, Robert S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Vibration dampening motion transmitting element or clutch. 2,597,380, May 20.
Roots & Schetky Inc., assignee: *See*—
Schetky, John L.
Roper, Charles G., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Electromechanical control and indicating system. 2,614,163, Oct. 14.
Roper, Colin V., assignor to G. Stibbe & Co. Limited, Leicester, England. Clutch mechanism for circular knitting machines. 2,582,164, Jan. 8.
Roper, Geo. D., Corporation, assignee: *See*—
Abrams, Victor R.
Albright, John R.
Bussey, William H.
Hollman, Peter I.
Stuman, Jack B.
Roper, John H., Mechanicville, N. Y. Heating system. 2,585,591, Feb. 12.
Roper, John M., Washington, D. C. Approach light. 2,603,699, July 15.
Roper, John M., Washington, D. C., and T. O. Twist, Chevy Chase, Md. Illuminating device for instrument panels. 2,614,205, Oct. 14.
Roper, Perry R., South Gate, assignor to A. Oberholtz, Los Angeles, Calif. Tool for removing door handle retaining springs. 2,597,381, May 20.
Rop-Loc Products Co., assignee: *See*—
Zoppelt, Samuel.
Ropp, Irwin, New Bedford, Pa., and W. S. Blackstone, Youngstown, Ohio. Flying saw. 2,580,959, Jan. 1.
Ropp, Walter S.: *See*—
Robinson, John C., Jr., and Ropp.
Ropp, Walter S., assignor to Hercules Powder Company, Wilmington, Del. Heat-set inks comprising polyvinyl terpene ethers. 2,595,983, May 6.
Rorem, Bernard E., Dayton, Ohio. Support for cup type mop wringers. 2,591,468, Apr. 1.
Rosa, Anthony G., Lyndhurst, N. J. Fountain pen. 2,621,628, Dec. 16.
Rosamilia, Peter L., Newark, N. J., and S. Caplan, New York, N. Y., assignors to The Harvel Corporation. Cashew nut shell liquor-vinsol compositions. 2,618,618, Nov. 18.
Rosamilia, Peter L., Bloomfield, N. J., and S. Caplan, New York, N. Y., assignors to The Harvel Corporation. Anacardic material-pine wood extract reaction product. 2,618,619, Nov. 18.
Rosan, Joseph, Balboa Island, Calif. Replaceable insert. 2,607,446, Aug. 19.
Rosati, Romolo J., Philadelphia, and J. D. Somers, Chester, Pa. Demountable form for pouring concrete. 2,610,381, Sept. 16.
Rosback, F. P., Company, assignee: *See*—
Schmidtke, Albert H.
Rosch, Samuel J., Yonkers, N. Y., assignor to Anaconda Wire and Cable Company. High attenuation coaxial cable. 2,622,152, Dec. 16.
Roscher, Charles D.: *See*—
Corn, Belmont, Jr., and Roscher.
Roschke, Erwin M.: *See*—
Crotty, Francis W., and Roschke.
Roschke, Erwin M., Broadview, Ill., assignor to Zenith Radio Corporation. Random frequency divider. 2,588,413, Mar. 11.

Roschke, Erwin M., Broadview, Ill., assignor to Zenith Radio Corporation. Control system for subscription type television receivers. 2,619,530, Nov. 25.

Roscoe, Merrill W., Moline, Ill., and R. L. Beidin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Feed control gate for material-handling hoppers. 2,597,186, May 20.

Roscoe, Stephen J., Chicago, Ill. Pivotal fork unit for lift trucks. 2,605,918, Aug. 5.

Rosdahl, Karl G.: *See*—
Jensen, Kai A., and Rosdahl.

Rose, Abe, assignor of one-half to Sidney J. Eisenberg, Chicago, Ill. Baseball game apparatus. 2,596,439, May 13.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Photocell. 2,582,850, Jan. 15.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Pickup tube for color television. 2,586,482, Feb. 19.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,615,976, Oct. 28.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. System for color television. 2,617,876, Nov. 11.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Pickup tube. 2,617,954, Nov. 11.

Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Negative stored charge pickup tube. 2,618,761, Nov. 18.

Rose, Alexander D., Park Ridge, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Dial thermometer. 2,601,784, July 1.

Rose, Alfred G.: *See*—
Nicholls, Kenneth H., and Rose.

Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Chain conveyer. 2,583,708, Jan. 29.

Rose, Alfred G., Gainsborough, England. Power-driven apparatus. 2,601,752, July 1.

Rose, Alfred G., and J. Page, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Carton opening machine. 2,598,071, May 27.

Rose, Alfred G., and J. A. Gilbert, Gainsborough, assignors to Rose Brothers (Gainsborough) Limited, London, England. Apparatus for coating and wrapping articles of plastic material. 2,601,636, June 24.

Rose, Alfred G., and J. A. Gilbert, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for manipulating articles of plastic material. 2,604,351, July 22.

Rose, Alfred G., and J. Page, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Feeding of collapsed cartons and the like. 2,611,299, Sept. 23.

Rose, Alfred G., J. A. Kay and J. Page, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Feeding of powder and like fluent materials in equal quantities. 2,616,652, Nov. 4.

Rose, Alfred G., and J. A. Gilbert, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Package. 2,620,964, Dec. 9.

Rose, Alfred G. and J. A. Gilbert, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Bagmaking apparatus. 2,623,441, Dec. 30.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Conveyer. 2,586,263, Feb. 19.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Single- and double-track conveyer system. 2,586,264, Feb. 19.

Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Booster conveyer for gravity conveyer systems. 2,593,699, Apr. 22.

Rose, Archie B., Merkel, Tex. Curb proximity signalling device. 2,592,742, Apr. 15.

Rose, Archie D., Laramie, Wyo. Fishing line snap actuator. 2,582,758, Jan. 15.

Rose, Arnold L., Beverly Hills, assignor to Supermatic Products Corporation, Burbank, Calif. Range oven door and window construction. 2,582,458, Jan. 15.

Rose, Benjamin and S., New York, N. Y. Film reeling apparatus. 2,595,545, May 6.

Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rose, Alfred G.
Rose, Alfred G., and Gilbert.
Rose, Alfred G., Kay, and Page.
Rose, Alfred G., and Paige.

Rose, Bruce E., Yakima, Wash. Offset harrow. 2,607,177, Aug. 19.

Rose, Cecilia M., Taunton, Mass. Handbag. 2,608,228, Aug. 26.

Rose, Charles B., deceased, Atlanta, Ga.; L. V. Rose, executrix of said C. B. Rose. Speedometer testing machine. 2,607,212, Aug. 19.

Rose, Charles E., Detroit, Mich. Automobile license plate holder. 2,618,089, Nov. 18.

Rose, Charles H., Chicago, Ill. Vehicle guiding means. 2,590,040, Mar. 18.

Rose, Chester E., Raritan Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Drying photographic emulsions. 2,620,285, Dec. 2.

Rose, Clarence W., assignor to Rose Manufacturing Company, Denver, Colo. Safety belt. 2,581,772, Jan. 8.

Rose, Clarence W., Denver, Colo. Safety belt. 2,613,865, Oct. 14.

Rose, Daniel M., assignor to K. V., D. M., Jr., and J. V. Rose, Knoxville, Tenn., as joint tenants. Floor sanding machine. 2,618,914, Nov. 25.

Rose, Daniel M., Jr., assignee: *See*—
Rose, Daniel M.

Rose, Earl E., Detroit, Mich., assignor to Diamond Power Specialty Corporation. Automatic control mechanism for soot blowers. 2,620,632, Dec. 9.

Rose, Edward W., Bradenton, assignor of fifty per cent to G. W. Booth, Sarasota, Fla. Cleaning attachment for engine radiators. 2,601,972, July 1.

Rose, Erwin K., Santa Monica, and F. R. Prill, Inglewood, Calif., assignors to North American Aviation, Inc. Compensating differential control mechanism. 2,591,011, Apr. 1.

Rose, Francis L.: *See*—
Clark, George H., Rose, and Parry.

Rose, Harold J.: *See*—
Betts, Joseph L., Jr., McCracken, Rose, and Woods.

Rose, Harry E., Buchanan, assignors to Interchemical Corporation, New York, N. Y. Photometric apparatus. 2,601,327, June 24.

Rose, Howard R.: *See*—
McClellan, Lee W., Holberger, and Rose.

Rose, Howard E., Brecksville, Ohio, assignor, by mesne assignments, to Alco Valve Co., St. Louis, Mo. Pressure releasable locking mechanism for fluid pressure pistons. 2,609,793, Sept. 9.

Rose, Howard E., Peninsula, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Sawing machine. 2,589,576, Mar. 18.

Rose, Howard E., Peninsula, Ohio, assignor to Alco Valve Company, University City, Mo. Fuse valve. 2,593,612, Apr. 22.

Rose, James V., assignee: *See*—
Rose, Daniel M.

Rose, Jess, Hollister, assignor to Artichokes, Inc., Watsonville, Calif. Preserving artichokes by freezing. 2,586,863, Feb. 26.

Rose, John E., and E. W. Hinspater, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pocket ionization chamber. 2,601,637, June 24.

Rose, John J., Dayton, Ohio. Spark plug electrode. 2,586,864, Feb. 26.

Rose, Joseph, Kansas City, Mo. Combination pouring and cover assembly for liquid containers. 2,620,093, Dec. 2.

Rose, Joseph K., Chicago, Ill. Reflective mask for television cabinet fronts. 2,598,072, May 27.

Rose, Joseph K., Chicago, Ill. Television cabinet having viewing tube housing rotatable about horizontal axis. 2,604,536, July 22.

Rose, Katherine V., assignee: *See*—
Rose, Daniel M.

Rose, Leigh L., Los Angeles, Calif. Jet pump. 2,582,069, Jan. 8.

Rose, Le Roy, Bradenton, Fla. Water aerator and filter. 2,590,431, Mar. 25.

Rose, Lucy V., executrix: *See*—
Rose, Charles B.

Rose Manufacturing Company, asignee: *See*—
Rose, Clarence W.

Rose, Marie, Butte, Mont. Buttonhole forming device. 2,584,051, Jan. 29.

Rose, Marie, Butte, Mont. Form for and method of attaching garment sleeves. 2,618,417, Nov. 18.

Rose, Paul R., East Orange, N. J., assignor to Bachmann Uxbridge Worsted Corporation, Uxbridge, Mass. Apparatus for drying warp and the like. Re. 23,535, Aug. 5.

Rose, Samuel: *See*—
Rose, Benjamin and S.

Rose, Walter B.: *See*—
Riggle, Hobert M., and Rose.

Rose, Walter D., Tulsa, Okla., assignor to Standard Oil Development Company. Pumping technique to prevent excessive water coning. 2,607,426, Aug. 19.

Rose, Werner P., Oakland, assignor to Werner Machine Company, Inc., Passaic, N. J. Heat-treating machine for textile material. 2,599,486, June 3.

Roseberry, Charles A., Sr., Purvis, Miss. Condiment shaker. 2,604,236, July 22.

Rosebraugh, Walter A., assignor to Iron Fireman Manufacturing Co., Portland, Oreg. Centrifugal operating device. 2,611,602, Sept. 23.

Roseby, Philip N., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical signaling system. 2,588,767, Mar. 11.

Rosecrans, Ernest E., Sr., Los Angeles, Calif. Insert fitting. 2,595,705, May 6.

Roselieb, Roy, Prophetstown, Ill. Beehive cover. 2,618,791, Nov. 25.

Roselius, Louis W., Lake Success, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Mill roll stand. 2,581,711, Jan. 8.

Roselle, Herbert, Jr., Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Article transfer device for conveyers. 2,586,865, Feb. 26.

Roseman, Reuben: *See*—
Davis, Wilmer O., Roseman, Allan, and Neptune.

Roseman, Reuben, Baltimore, R. W. Neptune, Dundalk, and B. W. Allan, Baltimore, Md., assignors to The Glidden Company, Cleveland, Ohio. Preparing selenium dioxide. 2,616,791, Nov. 4.

Rosen, George, Bronx, N. Y. Hair piece and clip. 2,620,809, Dec. 9.

Rosen, Harry, Delaware County, and C. T. Ichniowski, Philadelphia County, assignors to Wyeth Incorporated, Philadelphia, Pa. Preparation of a cardio-active glycoside. 2,615,884, Oct. 28.

Rosen, Jack, Cambridge, and F. P. Nadel, Brookline, Mass. Face mask. 2,617,415, Nov. 11.

Rosen, Leonard J.: *See*—
White, Blanche B., Rosen, and Blackman.

Rosen, Mitchell, New York, N. Y. Interchangeable linings for pocketbooks. 2,609,854, Sept. 9.

Rosen, Raymond, Engineering Products, Inc., assignee: *See*—
Reynolds, Foster N., Jr., Zechtzer, and Kiebert.

Rosen, Shy, New York, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Commodity dispensing package and wrapper therefor. 2,606,655, Aug. 12.

Rosenbaum, Gad, Detroit, Mich. Lifting clamp. 2,618,505, Nov. 18.

Rosenbaum, Harry S., Baltimore, Md. Cord and tape clip for Venetian blinds. 2,594,806, Apr. 29.

Rosenbaum, Harry S., Baltimore, Md. Fixture for Venetian blinds. 2,620,866, Dec. 9.

Rosenbaum, Harry S., assignor to The Eastern Venetian Blind Company, Baltimore, Md. Venetian blind structure. 2,620,867, Dec. 9.

Rosenbaum, Harry S., assignor to The Eastern Venetian Blind Company, Baltimore, Md. Tilt bar tape holder. 2,620,868, Dec. 9.

Rosenbaum, Maurice, New York, N. Y. Shower curtain. 2,613,368, Oct. 14.

Rosenbaum, Randolph R., Philadelphia, Pa. Choledochoscope. 2,599,662, June 10.

Rosenbaum, William E., Clayton, Mo. Transportation unit construction. 2,620,079, Dec. 2.

Rosenberg, Constance F., assignee: *See*—
Rosenberg, Gordon W.

Rosenberg, David S.: *See*—
Maude, Aylmer H., and Rosenberg.

Rosenberg, David S., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. After-chlorination of polyvinyl chloride. 2,590,651, Mar. 25.

Rosenberg, David W.: *See*—
Rosenberg, Maurice J. and D. W.

Rosenberg, Dewey W., Welcome, assignor of one-third to E. H. Meyer, Fairmount, Minn. Stalk shredder and disintegrator. 2,621,457, Dec. 16.

Rosenberg, Edward: *See*—
Kantor, James, Rosenberg, and Small.

Rosenberg, Edward N., Toledo, Ohio. Cleaner towage direction control. 2,622,264, Dec. 23.

Rosenberg, Ernst T.: *See*—
Claesson, Karl E. L., Högberg, and Rosenberg.

Rosenberg, George, Forest Hills, and L. Spiselman, Brooklyn, N. Y. Picture frame with variable display areas. 2,593,195, Apr. 15.

Rosenberg, Gordon W., assignor to C. F. Rosenberg, Elkins Park, Pa. Trouser fly construction. 2,585,175, Feb. 12.

Rosenberg, Hans R., Bound Brook, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sterol esters of nicotinic acid. 2,586,438, Feb. 19.

Rosenberg, Herbert L., Aberdeen, Md. Fuse functioning mechanism. 2,609,753, Sept. 9.

Rosenberg, Josef, assignor to Skoda Works, National Corporation, Pilsen, Czechoslovakia. Servomotor and mechnism for limiting its piston movements at variably predetermined positions. 2,595,486, May 6.

Rosenberg, Josef, assignor to Skoda Works, National Corporation, Pilsen, Czechoslovakia. Apparatus for the material feed in machine tools. 2,602,212, July 8.

Rosenberg, Leon J., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Master shipping container. 2,617,524, Nov. 11.

Rosenberg, Maurice J. and D. W., Baltimore, Md. Foot measuring device. 2,592,188, Apr. 8.

Rosenberg, Milton, Trenton, and J. A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America. Color television picture tube. 2,584,814, Feb. 5.

Rosenberg, Norman: *See*—
Hughes, Mary F., McCalip, Paine, and Rosenberg.

Rosenberg, Philip, New York, assignor to Universal Steel Equipment Corporation, Long Island City, N. Y. Sectional work connected table. 2,582,935, Jan. 15.

Rosenberg, Ralph R., Fergus Falls, Minn. Fish stringer. 2,588,768, Mar. 11.

Rosenberg, Sidney: *See*—
Domoj, John J., and Rosenberg.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Apparatus for proportioning conditions. 2,586,093, Feb. 19.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Safety means for valves. 2,586,094, Feb. 19.

Rosenberger, George J., Holden, Wash. Pie juice retainer. 2,589,140, Mar. 11.

Rosenberger, George W.: *See*—
Smith, Benjamin H., and Rosenberger.

Rosenberger, William A., and W. L. Keefer, Hagerstown, Md., assignors to Pangborn Corporation. Abrading apparatus. 2,590,576, Mar. 25.

Rosenberry, Homer R., Scudder, Ontario, Canada. Material cutting device. 2,614,320, Oct. 21.

Rosenberry, W. Kenneth, assignee: *See*—
Heikes, Norman L.

Rosenblad Corporation, assignee: *See*—
Rosenblad, Curt F.

Rosenblad, Curt F., Stockholm, Sweden, assignor, by mesne assignments, to Rosenblad Corporation, New York, N. Y. Operating film evaporators. 2,589,733, Mar. 18.

Rosenblatt, Edgar F., East Orange, assignor to Baker & Co., Inc., Newark, N. J. Removing free oxygen or free hydrogen from a gaseous medium. 2,582,885, Jan. 15.

Rosenblatt, Edgar F., Montclair, and J. G. Cohn, East Orange, assignors to Baker & Co., Inc., Newark, N. J. Dissociation of ammonia. 2,601,221, June 17.

Rosenblatt, Edgar F., Montclair, and J. G. Cohn, East Orange, assignors to Baker & Co., Inc., Newark, N. J. Controlled atmosphere. 2,606,875, Aug. 12.

Rosenblatt, Harry, Houston, Tex. Adjustable garment. 2,607,348, Aug. 19.

Rosenblatt, Louis, Wildwood, and W. A. Moore, Tampa, Fla. Adjustable railway crossing. 2,583,278, Jan. 22.

Rosenblatt, Sol D., New York, N. Y. Hatband. 2,617,110, Nov. 11.

Rosenbloom, Irving, Great Neck, assignor to Renwal Manufacturing Co., Inc., Mineola, N. Y. Toy bank. 2,598,442, May 27.

Rosenblum, Harold, Hackensack, assignor to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Drain-clear container for aqueous liquid pharmaceutical preparations. 2,622,598, Dec. 23.

Rosenblum, Louis: *See*—
Fairbank, Murry N., and Rosenblum.

Rosenblum, Robert A., assignor to The Dole Valve Company, Chicago, Ill. Bubbler fountainhead. 2,585,845, Feb. 12.

Rosencranse, Charles R., assignor of fifty per cent to J. F. Klaner, Jr., Pittsburg, Kans. Asphalt emulsion for treatment of coal and preparing the same. Re. 23,462, Feb. 12.

Rosendahl, Jean W., Toms River, N. J. Serving dish for corn on the cob. 2,585,174, Feb. 12.

Rosener, Leland S., assignor, by mesne assignments, to Glass Containers, Inc., San Francisco, Calif. Automatic conveying apparatus. 2,617,546, Nov. 11.

Rosenfeld, Arnold A., Pittsburgh, Pa. Stitch removing and sewing needle. 2,619,059, Nov. 25.

Rosenfeld, Harry, Brooklyn, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Expansible tube tensilizing apparatus. 2,582,165, Jan. 8.

Rosenfeld, Lawrence, New York, N. Y. Lamp support for insertion in tubular lamp stands. 2,594,074, Apr. 22.

Rosenfeld, Louis, assignor to Miro Container Company, Inc., Brooklyn, N. Y. Box or carton. 2,604,254, July 22.

Rosenfeld, Milton G., Ladue, Mo. Apparel garment. 2,581,206, Jan. 1.

Rosenfeld, Myer: *See*—
Pickett, Charles F., and Rosenfeld.

Rosenfeld, Myer, Aberdeen, and C. F. Pickett, Bel Air, Md. Detergent composition. 2,616,856, Nov. 4.

Rosenfeld, Paul: *See*—
Fairbanks, Lee, and Rosenfeld.

Rosenfels, Richard S.: *See*—
Shaw, John M., Bartley, and Rosenfels.

Rosenheim, David J., New York, N. Y., assignor to Lapin Products, Inc., Newark, N. J. Child's accordion. 2,603,120, July 15.

Rosenkrans, Frank A., and W. M. Sale, Bridgeport, Conn., assignors to General Electric Company. Trap for water supply to clothes-washing machines. 2,619,825, Dec. 2.

Rosenkranz, George: *See*—
Kaufmann, Stephen, Rosenkranz, and Berlin.
Kaufmann, Stephen, Rosenkranz, and Pataki.

Rosenkranz, George, S. Kaufmann, and J. Pataki, assignors to Syntex, S. A., Mexico City, Mexico. Producing 2-halo-allopregnane-17α-ol-3,20-dione. 2,584,159, Feb. 5.

Rosenkranz, George, and S. Kaufmann, assignors to Syntex, S. A., Mexico City, Mexico. Production of 17-hydroxysteroids. 2,588,294, Mar. 4.

Rosenkranz, George, S. Kaufmann, and J. Romo, assignors to Syntex, S. A., Mexico City, Mexico. Producing testosterone. 2,609,378, Sept. 2.

Rosenleaf, John R.: *See*—
Eckart, De Merle E., and Rosenleaf.

Rosenlund, Iver T., Newark, Del., assignor to Packard Motor Car Company, Detroit, Mich. Valve construction. 2,597,952, May 27.

Rosenstein, Leo D., assignee: *See*—
Carter, Joseph S.

Rosenstein, Louis, Chicago, Ill. Light control member. 2,601,127, June 17.

Rosenstein, Ludwig, San Francisco, Calif., assignor to Texaco Development Corporation, New York, N. Y. Treating hydrocarbons with alkali metal hydroxides. 2,596,175, May 13.

Rosenstein, Ludwig, and M. H. Gorin, San Francisco, Calif. Adduct of thiourea and chloropicrin and its use as a pesticide. 2,600,431, June 17.

Rosenstein, Max, New York, N. Y. X-ray marker for artificial femoral heads. 2,622,592, Dec. 23.

Rosenstein, Mitchell M., Willimantic, Conn. Stop motion for textile machines. 2,594,218, Apr. 22.

Rosenstein, Samuel J., assignee: *See*—
Carter, Joseph S.

Rosenstand, Thomas: *See*—
Andersen, Anders K. K., and Rosenstand.

Rosenthal, Adolph H., New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation. Receiver tube having movable screen with ionic crystal layer for light modulation. 2,585,846, Feb. 12.

Rosenthal, Adolph H., New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation. Color television. 2,601,328, June 24.

Rosenthal, Daniel, Brooklyn, R. W. Adler, New York, N. Y., and J. Nathan, Ridgefield, N. J.; said Adler and said Nathan assignors to said Rosenthal. Display device. 2,598,019, May 27.

Rosenthal, David, assignee: *See*—
Katcher, Samuel.

Rosenthal, Fritz, Knoxville, Tenn., assignor to Radio Corporation of America. Preparation of polymerizable nonpolar substances. 2,586,996, Feb. 26.

Rosenthal, Henry L., assignor to H. L., P. H., L. E., and M. A. Rosenthal, co-partners doing business as Rosenthal Mfg. Co., Milwaukee, Wis. Self-feeding corn husking machine. 2,591,200, Apr. 1.

Rosenthal, I., assignee: *See*—
Hills, Elmer G.

Rosenthal, Julian B., Bronx, N. Y. Frame clamping press for handbags. 2,620,847, Dec. 9.

Rosenthal, Lawrence E., assignee: *See*—
Rosenthal, Henry L.

Rosenthal, Mabel A., assignee: *See*—
Rosenthal, Henry L.

Rosenthal Mfg. Co., assignee: *See*—
Rosenthal, Henry L.

Rosenthal, Michael C., Long Beach, N. Y. Television antenna construction. 2,591,297, Apr. 1.

Rosenthal, Morris, Springfield, and J. Robinson, West Springfield, assignors to Pioneer Valley Plastics Company, Chicopee, Mass. Ice pack formed of vinyl plastic sheeting. 2,589,577, Mar. 18.

Rosenthal, Paul, M. L. Polanyi, and N. Gottlieb, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Refractometer with temperature compensating means. 2,601,128, June 17.

Rosenthal, Paul H., assignee: *See*—
Rosenthal, Henry L.

Rosenthal, Samuel H., New York, N. Y. Toy with windable head for rotation. 2,595,888, May 6.

Rosenthal, Samuel N., Decatur, Ga. Electrically heated inspissator. 2,622,183, Dec. 16.

Rosenthal, Sol R., assignor to Research Foundation, Chicago, Ill. Vaccination appliance. 2,619,962, Dec. 2.

Rosenwald, Robert H.: *See*—
Gleim, William K. T., Gaydasch, and Rosenwald.

Rosenwald, Robert H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon distillates. 2,616,831, Nov. 4.

Rosenwald, Robert H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of p-alkoxyphenols. 2,616,931, Nov. 4.

Rosetz, Kurt, Berlin-Wittenau, Germany. Conveying device. 2,623,625, Dec. 30.

Rosfelder, Eugene F., Chicago, Ill. Dial structure. 2,583,797, Jan. 29.

Roshkind, Allan I., assignor to A. B. Dick Company, Chicago, Ill. Bottle closure. 2,582,721, Jan. 15.

Roshkind, Allan I., assignor to A. B. Dick Company, Chicago, Ill. Lettering guide for stenciling operations. 2,585,847, Feb. 12.

Roshong, Raymond G., North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill. Adjustable lap. 2,597,187, May 20.

Roshong, Raymond G., North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill. Apparatus for lapping shoulders. 2,597,382, May 20.

Rosin, Jacob, New York, N. Y., assignor to Montrose Chemical Company, Newark, N. J. Manufacturing chloral. 2,616,929, Nov. 4.

Rosin, Seymour, New York, N. Y., assignor to Farrand Optical Co., Inc. Aspherical corrector lens for optical systems. 2,588,414, Mar. 11.

Rosin, Seymour, assignor to Farrand Optical Co., Inc., New York, N. Y. Monochromator with slit reflecting mirrors in collimated light beams. 2,595,706, May 6.

Rosing, Warren W., Buffalo, N. Y. Sheet holder for mattress ensembles. 2,614,270, Oct. 21.

Rosinger, Arthur: *See*—
Portanova, Mario J., and Rosinger.

Rosner, Ernest, Chicago, Ill. Fishing reel. 2,593,700, Apr. 22.

Rosner, George J.: *See*—
Block, Zenas, Rosner, and Goodman.

Rosner, Irving, assignor to Even-Pul Foundations, Inc., New York, N. Y. Form constricting and molding garment. 2,582,166, Jan. 8.

Ross, Albert M., Darien, Conn., assignor to Remington Rand Inc., New York, N. Y. Combination punched card and embossed printing plate. 2,622,526, Dec. 23.

Ross, Albert P., Springston, Idaho. Interlaced segmented artificial fly. 2,586,719, Feb. 19.

Ross Bros. (Ben Rhydding) Limited, assignee: *See*—
Ross, Cyril R.

Ross, Clarence, assignee: *See*—
Ross, Raymond H.

Ross, Cyril R., assignor to Ross Bros. (Ben Rhydding) Limited, Ilkley, England. Container partition structure. 2,614,715, Oct. 21.

Ross, Dewey T., Colorado Springs, Colo. Anti-backflow device. 2,617,491, Nov. 11.

Ross, Donald P.: *See*—
Pegg, Edward H. R., and Ross.

Ross, Donald W., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine structure. 2,621,485, Dec. 16.

Ross, Edmund H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voice-operated constant-level amplifier. 2,594,807, Apr. 29.

Ross, Edward T., Granby, Conn., assignor to Emhart Manufacturing Company. Supporting and operating stirrers for glass in a forehearth. 2,617,636, Nov. 11.

Ross, Elmer R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Hydraulic brake adjuster. 2,603,951, July 22.

Ross, Elmer R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,609,066, Sept. 2.

Ross, Ethel M., Chicago, Ill. Cosmetic container. 2,597,130, May 20.

Ross, Frank V., Indianapolis, Ind. Combined grave marker and flower vase. 2,608,028, Aug. 26.

Ross, Fred, assignee: *See*—
Fulk, James B.

Ross, Frederick W., Dearborn, Mich. Airplane control system. 2,611,563, Sept. 23.

Ross, Frederick W., assignor to Bendix Aviation Corporation, Detroit, Mich. Flap aileron for airplanes. 2,580,841, Jan. 1.

Ross, Guy E., North Branch, Mich. Sawmill log turner. 2,586,483, Feb. 19.

Ross, Herbert L., Lynnfield, Mass., assignor to General Electric Company. Fusible means for securing instrument parts during shipment. 2,600,330, June 10.

Ross, Howard C., Washington, D. C. Extended door latch. 2,601,459, June 24.

Ross, Howard S.: *See*—
Mufich, Frank J., and Ross.

Ross, Howard S., Beverly Hills., assignor to Wemac Company, Inglewood, Calif. Valve. 2,596,869, May 13.

Ross, Irvine E., and R. P. Loveland, Fort Wayne, Ind., assignors to General Electric Company. Automatic keeper for permanent magnets. 2,602,098, July 1.

Ross, J. O., Engineering Corporation, assignee: *See*—
Metcalfe, William K.

Ross, James N. Kansas City, Mo. Gas furnace. 2,604,935, July 29.

Ross, John: *See*—
Gebhart, Arthur I., and Ross.

Ross, John, Ramsey, and W. R. Trent, North Arlington, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Hydrolysis of fats and oils. 2,619,494, Nov. 25.

Ross, Karl F.: *See*—
Cutler, Phil, and Ross.

Ross, Karl F., Bronx, N. Y. Dual modulation of carrier wave. 2,619,547, Nov. 25.

Ross, Margaret, Lincoln Park, Mich. Filter. 2,609,933, Sept. 9.

Ross, Marvin P., assignee: *See*—
Ringstad, Arthur H.

Ross, Olive D., executrix: *See*—
Hansen, William W.
Hansen, William W. and V.
Hansen, William W., V., and S. P.

Ross Operating Valve Company, assignee: *See*—
Sainsbury, John, and Hennells.

Ross, Percy N., Minneapolis, Minn. Delivery control for liquid dispensers. 2,617,558, Nov. 11.

Ross, Ray R., Reading, Ohio. Awning structure. 2,601,058, June 17.

Ross, Raymond H., Midland, assignor of fifty per cent to C. Ross, Lansing, Mich. Fan belt tool. 2,615,345, Oct. 28.

Ross, Robert E., Lowell, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Gripping slider type buckle with fastener member on slider. 2,615,218, Oct. 28.

Ross, Ronald E., Long Island City, N. Y. Article supporting bracket. 2,622,743, Dec. 23.

Ross, Sidney D., assignor to Sprague Electric Company, North Adams, Mass. Chlorine containing compounds. 2,591,611, Apr. 1.

Ross, Sidney D., and M. Markarian, assignors to Sprague Electric Company, North Adams, Mass. Halogenated aromatic compounds. 2,600,691, June 17.

Ross, Sidney D., and M. Markarian, North Adams, and M. Naszewski, Adams, assignors to Sprague Electric Company, North Adams, Mass. Alpha-bromoethylpentachlorobenzene. 2,602,823, July 8.

Ross, Sidney D., and M. Markarian, assignors to Sprague Electric Company, North Adams, Mass. Condensation resins of halogenated benzene compounds. 2,621,168, Dec. 9.

Ross, Sylvian W., Victoria, Tex. Three-wire screw thread gauge. 2,622,337, Dec. 23.

Ross Washer, assignee: *See*—
Van den Bosch, Wiebe.

Ross, Wayne M., Seattle, Wash., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Marine depth finder. 2,599,586, June 10.

Ross, William H., Allentown, Pa. Roasting fork. 2,619,896, Dec. 2.

Rossant, Dorothy B., New York, N. Y. Convertible scarf. 2,585,686, Feb. 12.

Rosseau, Leon B., Narberth, assignor to Ajax Electric Company, Inc., Philadelphia, Pa. Furnace lift and translation mechanism. 2,583,967, Jan. 29.

Rosseau, Leon B., Narberth, assignor to Ajax Electric Company, Inc., Philadelphia, Pa. Pusher mechanism. 2,583,968, Jan. 29.

Rossel, Roy M., Upper Sandusky, Ohio. Apparatus for cleaning, sterilizing, and drying dental drill burrs. 2,618,593, Nov. 18.

Rossell, William T., New York, N. Y. Mechanical transmission. 2,585,349, Feb. 12.

Rossell, William T., assignor to Transit Research Corporation, New York, N. Y. Antifriction hinge. 2,603,823, July 22.

Rosser, Eugene P., Ardmore, Okla. Caliper gauge. 2,589,141, Mar. 11.

Rossheim, David B., Teaneck, assignor to The M. W. Kellogg Company, Jersey City, N. J. Forming laminated pressure vessels. 2,609,593, Sept. 9.

Rossi, Giovanni, Valle Lomellina, Italy. Water and fire tube for stream boilers. 2,587,530, Feb. 26.

Rossi, Irving, Morristown, N. J., assignor to Continuous Metalcast Co., Inc. Apparatus for the continuous casting of metal rods. 2,609,574, Sept. 9.

Rossi, Irving, Morristown, N. J., assignor to Continuous Metalcast Corporation, Wilmington, Del. Cooling system for continuous casting molds. 2,613,411, Oct. 14.

Rossi, Louis, Bronx, N. Y. Cigarette dispenser. 2,587,225, Feb. 26.

Rossler, John D.: *See*—
Lacy, Roy, Rossler, and McClintock.

Rossler, Michel: *See*—
Vanharen, Lambert, Rossler, and Vandeur.

Rossin, Elmer H., Melrose, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Composition for and method of sizing yarns. 2,616,867, Nov. 4.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Flight controller for automatic pilot. 2,614,776, Oct. 21.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Flight controller for automatic pilots. 2,616,305, Nov. 4.

Rossire, F. Henry S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Controller unit. 2,618,446, Nov. 18.

Rossman, Allen M., Wilmette, Ill. Pull rod carrier. 2,614,005, Oct. 14.

Rossman, Edward J., and B. F. Bower, Aurora, Ill. Focusing and illuminating device for cameras. 2,581,300, Jan. 1.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,606,630, Aug. 12.

Rossmann, Peter F., Depew, N. Y., assignor, by mesne assignments, to Hupp Corporation, Cleveland, Ohio. Electric seat adjuster and the like. 2,588,165, Mar. 4.

Rossmann, Peter F., Morristown, N. J., assignor to Hupp Corporation, Cleveland, Ohio. Hand and power operated means. 2,621,543, Dec. 16.

Rossmann, Peter F., Morristown, N. J., assignor to Hupp Corporation, Cleveland, Ohio. Window operating device for vehicles. 2,621,544, Dec. 16.

Rossmann, Peter F., Morristown, N. J., and K. Rath, New York, N. Y., assignors to Hupp Corporation, Cleveland, Ohio. Window regulating device. 2,621,926, Dec. 16.

Rosso, Alonzo J.: *See*—
Whitney, Guy H., and Rosso.

Rost, Helge F., Djursholm, K. H. Thunell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. System for locating, indicating, and/or following objects in space. 2,589,965, Mar. 18.

Rost, Otto W., Chicago, Ill., assignor to Westinghouse Air Brake Company. Railway signal control apparatus for protecting against momentary loss of track shunt. 2,623,161, Dec. 23.

Rostas, Ernest, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Centimeter wave velocity modulated electron discharge device. 2,603,764, July 15.

Rostek, Vincent R., Philadelphia, Pa. Stand boiler with vertical flue and water circulating coil therein. 2,618,246, Nov. 18.

Rosten, Maurice M., New York, N. Y., assignor to National Distillers Products Corp. Recovering germ oil. 2,615,029, Oct. 21.

Rostine, Carl A., Gardena, Calif., assignor, by mesne assignments, to John Wood Manufacturing Company, Inc., New York, N. Y. Braking mechanism for hose reeling apparatus. 2,587,652, Mar. 4.

Rostine, Carl A., Gardena, Calif., assignor, by mesne assignments, to John Wood Company, New York, N. Y. Hose reeling apparatus. 2,598,306, May 27.

Rosydoze Bedding Company (Proprietary) Limited, assignee: *See*—
Unterhalter, Jack.

Rotaresed Corporation, The, assignee: *See*—
Clark, Carleton L., and Vicario.

Rotary Hoes Limited, assignee: *See*—
Howard, Arthur C.

Rotary Lift Company, assignee: *See*—
Harrison, John B., and Joseph.
Hicks, Seymour G.

Rotary Seal Company, assignee: *See*—
Meyer, Walter W.

Rotax Limited, assignee: *See*—
Barrington, Edward W. J., and Robinson.
Bourne, William G.
Lucas, Sydney, and Baines.
Millns, Terence W., and Jones.
Woodall, Raymond H.

Roters, Herbert C., New Gardens, N. Y., assignor to Fairchild Camera and Instrument Corporation. System for and method of controlling hysteresis motors. 2,586,095, Feb. 19.

Roth, August A., Baltimore, Md. Pickup fender. 2,617,674, Nov. 11.

Roth, Ernest J., Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Automatic doughnut former. 2,600,075, June 10.

Roth, Harold H., Bay City, assignor to The Dow Chemical Company, Midland, Mich. Homogeneous sulfuric acid gel. 2,598,046, May 6.

Roth, Harold H., Bay City, assignor to The Dow Chemical Company, Midland, Mich. Production of sulfonated alkenyl aromatic resins. 2,604,461, July 22.

Roth, Irven G., Lorain, Ohio. Fishing lure. 2,595,168, Apr. 29.

Roth, Jay M.: *See*—
Milliken, Edward C., and Roth.

Roth, John D., and K. D., Stowe, Pa. Hilling attachment for rotary tilling machines. 2,610,561, Sept. 16.

Roth, Kenneth D.: *See*—
Roth, John D., and K. D.

Roth, Otto W., Los Angeles, Calif. Cutting tool. 2,598,443, May 27.

Roth, Robert I., Mount Pleasant, assignor to International Business Machines Corporation, New York, N. Y. Magnetic tape controlled punch. 2,609,050, Sept. 2.

Roth, Solo S., Yonkers, N. Y. Color television system. 2,598,941, June 3.

Roth, Solo S., Yonkers, N. Y. Color television system. 2,623,190, Dec. 23.

Roth, Wilfred, Cambridge, Mass., and J. Ohman, Northport, N. Y., assignors to Geovision Incorporated. Apparatus for geophysical display. 2,594,219, Apr. 22.

Rothbardt, Adolph M., Chicago, Ill. Swab holder. 2,609,089, Sept. 2.

Rothbardt, Adolph M., Chicago, Ill. Swab holder and dispenser. 2,615,562, Oct. 28.

Rothe, Ben M., San Antonio, Tex. Wrench with resilient jaw faces. 2,594,684, Apr. 29.

Rothe, Charles R., G. Ellyn, and J. D'Esposito, assignors to Container Corporation of America, Chicago, Ill. Bicycle wheel brace. 2,609,091, Sept. 2.

Rothenborg, Aage, Copenhagen, Denmark. Marking out fabric. 2,619,031, Nov. 25.

Rother, Helene A., assignor to INA, Import & Export Company, Detroit, Mich. Vehicle suspension. 2,621,036, Dec. 9.

Rotheraine, Jerome H., Philadelphia, Pa., assignor of one-third to D. L. Richman, Larchmont, one-third to H. Sperber, Brooklyn, N. Y., and one-third to J. H. Rotheraine, Philadelphia, Pa. Steam electric creasing iron. 2,601,059, June 17.

Rotherham, Walter S., Lincoln Park, assignor to The Hermas Machine Company, Hawthorne, N. J. Railway sewing machine. 2,593,196, Apr. 15.

Rotheroe, James R., Perivale, England. Die. 2,589,142, Mar. 11.

Rothkamm, Warren G., Lafayette, La. Small tree and plant extractor. 2,593,024, Apr. 22.

Rothrock, George M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of shaped articles from acrylonitrile polymers. 2,585,499, Feb. 12.

Rothrock, Henry S.: *See*—
Ellingboe, Ellsworth K., and Rothrock.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copolymers of allyloxyethanol with acrylonitrile and/or methacrylonitrile. 2,605,258, July 29.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copolymers containing polymerized allyloxyacetic acid. 2,607,760, Aug. 19.

Rothrock, John E., Newark, assignor to Hercules Powder Company, Wilmington, Del. Producing fuming nitric acid. 2,594,588, Apr. 29.

Rothrock, Lillian, Blytheville, Ark. Store counter display stand. 2,592,189, Apr. 8.

Rothschild, Gilbert R.: *See*—
Gibson, Glenn J., and Rothschild.

Rothschild, Sam, New York, N. Y. Safety device for wallets. 2,609,855, Sept. 9.

Rothschmitt, Anton J.; *See*—
Calder, Caesar A., and Rothschmitt.

Rothstein, Jerome, Belmar, N. J., assignor to the United States of America as represented by the Secretary of the Army. Gaseous discharge device. 2,582,282, Jan. 15.

Rothweiler, Charles, assignor to David White Company, Milwaukee, Wis. Pendulum retaining means. 2,600,266, June 10.

Rothweiler, Charles O., assignor to David White Company, Milwaukee, Wis. Clamp for telescopes of transits. 2,620,564, Dec. 9.

Rothweiler, Richard, assignor to The David White Company, Milwaukee, Wis. Film identifying device. 2,615,366, Oct. 28.

Rothwell, John J., and P. Schell, Elkhart, assignors to Penn Controls, Inc., Goshen, Ind. Safety primary control for burners. 2,600,692, June 17.

Rotol Limited, assignee: *See*—
Morris, Edward H., Danvers, and Godden.

Rotolo, Edward W., Brooklyn, N. Y. Coloring appliance for preformed pictures in reverse. 2,618,077, Nov. 18.

Rotor Tool Company, The, assignee: *See*—
Emery, William M.

Roto-Shaver, Inc., The, assignee: *See*—
Robertson, George H.

Rotsch, Vernon E., Whittier, Calif. Manually operated cutting torch machine. 2,603,475, July 15.

Rottau, Rudolph B., Detroit, Mich. Picnic server. 2,623,656, Dec. 30.

Rotter, Lutwin C.: *See*—
Fox, Alexander P., and Rotter.

Rottig, Walter, Oberhausen-Sterkrade-Nord, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Extracting oxygen compounds from hydrocarbon mixtures. 2,581,712, Jan. 8.

Rottig, Walter, Oberhausen-Sterkrade-Nord, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Catalytic hydrogenation of carbon monoxide with iron catalysts. 2,620,347, Dec. 2.

Rottig, Walter, Oberhausen-Sterkrade-Nord, H. W. Gross, P. Royen, Frankfort-on-the-Main, and K. Schenk, Oberhausen-Sterkrade-Nord, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, and Lurgi Gesellchaft Fuer Waermetechnik m. b. H., Frankfort-on-the-Main, Heddernheim, Germany. Preparation of an iron-silica gel Fischer-Tropsch catalyst. 2,617,774, Nov. 11.

Rottschaefer, Bernard W.: *See*—
Huey, William G., and Rottschaefer.

Rottschaefer, Bernard W., East Greenbush, assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of 2-chloro-4-methoxy-5-nitro-toluene and 2-chloro-4-methoxy-5-amino-toluene. 2,581,972, Jan. 8.

Rouan, Francis J., assignor to Pitney-Bowes, Inc., Stamford, Conn. Disconnectable transfer mechanism for settable registers. 2,587,766, Mar. 4.

Rouan, Francis J., Stamford, Conn., and J. W. Bach, Port Chester, N. Y., assignors to Pitney-Bowes, Inc., Stamford, Conn. Buckling folding machine. 2,589,436, Mar. 18.

Rouan, Francis J., Stamford, and B. Knauer, East Norwalk, assignors to Pitney-Bowes, Inc., Stamford, Conn. Value setting, printing, and registering device. 2,612,104, Sept. 30.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Detachable hammer head for rotary beaters. 2,587,767, Mar. 4.

Roubíček, Richard, assignor to Ceskoslovensky Prumysl Lihovarsky a drozdarsky, Narodni Podnik, Prague, Czechoslovakia. Closure for multicompartmented bottle with means for selectively dispensing from any one of said compartments. 2,581,713, Jan. 8.

Rouech, Floyd C., Los Angeles, Calif. Printer's chase. 2,583,495, Jan. 22.

Rougelot, Guy, Enghein-les-Bains, Seine-et-Oise, assignor to Societe Algol, Agnetz, Clos Altair, France. Gradual change-speed gear with multiple friction. 2,583,496, Jan. 22.

Rough, Robert R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Inclined melter furnace and melting glass. 2,593,197, Apr. 15.

Roughsedge, Robert H., Ramsey, N. J., and H. G. Lustig, New York, N. Y., assignors to Celanese Corporation of America. Spinning apparatus. 2,587,768, Mar. 4.

Roulements à Billes Miniatures S. A., assignee: *See*—
Annen, Robert.

Roullard, Edward L., assignor to Goodall-Sanford, Inc., Sanford, Maine. Filling replenishing mechanism for automatic filling replenishing looms. 2,597,599, May 20.

Roullard, Edward L., assignor to Goodall-Sanford, Inc., Sanford, Maine. Protector mechanism for double shuttle looms. 2,583,344, Jan. 22.

Roulston, Claude A.: *See*—
Pyle, Carl A., and Roulston.

Round, David A.: *See*—
Martin, Charles C., and Round.

Round, David, & Son, assignee: *See*—
Martin, Charles C., and Round.

Rounds, Comer A., and P. A. Nester, West Warwick, R. I., assignors to Chemo-Textiles, Inc. Abrasion testing machine. 2,591,722, Apr. 8.

Rounds, Ralph W., Rawlins, Wyo. Corn planter. 2,587,386, Feb. 26.

Rountree, Clarence H.: *See*—
Holt, Raymond B., and Rountree.

Rourke, Daniel J., Jr., and F. G. Clark, East Orange, N. J. Coin-operated depository for clothing and the like. 2,599,722, June 10.

Rourke, John: *See*—
Wilson, Arthur D., Oakley, and Rourke.

Rourke, John, Bebington, and W. T. Dow, Upton, England, assignors to Lever Brothers Company, Cambridge, Mass. Method and apparatus for manufacturing margarine. 2,611,707, Sept. 23.

Rourke, Robert U., Pomfret Center, Conn., assignor to Emhart Manufacturing Company. Article rearranging and transfer apparatus. 2,621,774, Dec. 16.

Rourke, Terrence A., Joliette, Quebec, assignor to Gypsum, Lime and Alabastine, Canada, Limited, Toronto, Ontario, Canada. Blasting switch. 2,590,274, Mar. 25.

Rouse, Ardie A., Orange, Tex. Degree level. 2,580,601, Jan. 1.

Rouse, Claude C., Houston, Tex. Cooling basin for air conditioning units. 2,591,100, Apr. 1.

Rouse, Cubb C., deceased, and S. A. Sparks; L. Rouse, executrix, assignor to L. Rouse, Alice, Tex. Rain gauge. 2,601,783, July 1.

Rouse, Lounette, executrix, assignee: *See*—
Rouse, Cubb C., and Sparks.

Roush, Guy F., Montclair, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyro precessing system. 2,608,099, Aug. 26.

Roush, Milton S., Painesville, assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary fuel. 2,603,557, July 15.

Roush, Milton S., Painesville, assignor to Thompson Products, Inc., Cleveland, Ohio. Chromizing pack and method. 2,622,043, Dec. 16.

Roush, Milton S., Painesville, and C. C. Clark, Willoughby, assignors to Thompson Products, Inc., Cleveland, Ohio. Making hollow shapes. 2,609,576, Sept. 9.

Rousseau, Claude, Montmagny, Quebec, Canada. Circuit breaker switch. 2,583,122, Jan. 22.

Rousseau, Leo J., Grosse Pointe, assignor to Minit-Man, Inc., Detroit, Mich. Rotary vehicle washing brush. 2,613,383, Oct. 14.

Rousseau, Leo J., Grosse Pointe, assignor to Minit-Man, Inc., Detroit, Mich. Quick-acting clamp. 2,622,543, Dec. 23.

Rouverol, William S., Oxford, England, assignor to Grinnell Corporation, Providence, R. I. Spring support. 2,615,708, Oct. 28.

Roux, Lorne E., U. S. Navy, Brockton, Mass. Magnetic gauge. 2,620,661, Dec. 9.

Roux, William E., Oriskany, N. Y. Equipment for use in the manufacture of drawing dies. 2,591,298, Apr. 1.

Rouzet, Lucien, assignor to Societe des Laboratoires de Recherches pour Applications Industrielles, Paris, France. Wood preservative comprising chlorinated phenolics, anthracenic oils, and creosotes. 2,605,206, July 29.

Rover Company Limited, The, assignee: *See*—
Bell, Francis R.
Wilks, Maurice C.

Rovere, Elmer, San Francisco, Calif. Riding saddle with radio receiving apparatus. 2,581,714, Jan. 8.

Row, Henry H. G., Baldwin, N. Y. Leg construction for coiled spring beds. 2,599,723, June 10.

Rowan, Alfred P., Clayton, assignor to Elder Manufacturing Company, St. Louis, Mo. Man's apparel garment. 2,615,166, Oct. 28.

Rowan, James W., Bakersfield, Calif. Earthworking attachment for cultivators. 2,597,821, May 20.

Rowand, Charles A., Menlo Park, Calif. Framework for playground apparatus, including swing sets from pipes. 2,603,272, July 15.

Rowand, Howard C., Wanakena, N. Y., assignor to Westinghouse Air Brake Company. Clutch control apparatus. 2,591,201, Apr. 1.

Rowand, Will H., Madison, and C. S. Smith, Westfield, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Steam generating apparatus. 2,591,299, Apr. 1.

Rowden, Joseph S.: *See*—
Shelton, Roy, and Rowden.

Rowe, Alfred G., Tasmania, Australia. Coin-controlled apparatus. 2,591,968, Apr. 8.

Rowe, Carl B., assignor to Research Products Corporation, Madison, Wis. Apparatus for making expanded sheet material. 2,611,298, Sept. 23.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Glassware transfer mechanism. 2,616,550, Nov. 4.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Settle blowhead and baffle. 2,619,774, Dec. 2.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Glassware transfer apparatus. 2,623,648, Dec. 30.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Means for handling articles. 2,623,649, Dec. 30.

Rowe Industries, assignee: *See*—
De Armond, Harry.

Rowe, John: *See*—
Gillies, John, and Rowe.

Rowe, Lancelot W.: *See*—
Aagaard, Leif, and Rowe.

Rowe, Malcolm A., Comer, assignor to Rowe Warehouse & Fertilizer Company, Athens, Ga. Bale stacking and unstacking machine. 2,587,769, Mar. 4.

Rowe Manufacturing Co., Inc., assignee: *See*—
Gabrielsen, Christian.

Rowe, Mark R.: *See*—
Wiegand, Francis J., Stark, and Rowe.

Rowe, Mark R., Teaneck, and F. J. Wiegand, Ridgewood, N. J., assignors to Curtiss-Wright Corporation. Flow equalizing system. 2,622,610, Dec. 23.

Rowe, Oliver R., G. Schoeneck, and W. J. Stolp, Charlotte, N. C., assignors to R. H. Bouligny, Inc. Top roll assembly. 2,591,612, Apr. 1.

Rowe, Oliver R., and W. J. Stolp, Charlotte, N. C., assignors to R. H. Bouligny, Inc. Cushioning means. 2,615,707, Oct. 28.

Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Apparatus for producing chime tones and method of tuning musical bars. 2,588,295, Mar. 4.

Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Chime system using harmonically tuned chimes. 2,618,190, Nov. 18.

Rowe, Stewart, Cincinnati, Ohio, assignor, by mesne assignments, to Buckeye Cotton Oil Company, Memphis, Tenn. Recovery of vegetable protein. 2,589,867, Mar. 18.

Rowe Warehouse & Fertilizer Company, assignee: *See*—
Rowe, Malcolm A.

Rowe, William, Lewiston, and S. A. Cohen, Auburn, assignors to Bonafide Mills, Inc., Lisbon, Maine. Surface covering sheet and making the same. 2,620,319, Dec. 2.

Rowe, William W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Creped paper product and process. 2,610,935, Sept. 16.

Rowe, William W., C. L. Spangler, and R. C. Frick, Cincinnati, assignors to Cincinnati Industries, Inc., Lockland, Ohio. Apparatus for separating conjointly gathered bag tube walls. 2,615,375, Oct. 28.

Rowell, Alfred L., Chicago, Ill. Animal trap. 2,596,289, May 13.

Rowell, Howard P.: *See*—
Uline, William A., and Rowell.

Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Wide frequency range power-factor meter. 2,590,287, June 3.

Rowell, Ralph M., Lynn, and A. L. Nylander, Swampscott, Mass., assignors to General Electric Company. Power factor and phase rotation hook on meter. 2,583,798, Jan. 29.

Rowen, Frank A., Jr., *See*—
O'Connor, Ward J. F., and Rowen.

Rowen, Harold E., Stanhope, assignor to Sintering Machinery Corporation, Netcong, N. J. Sintering machine. 2,622,870, Dec. 23.

Rower Dental Mfg. Corp., assignee: *See*—
Gordon, Elliot.

Rowland, Charles W., Larchmont, and A. G. Chenicek, Hartsdale, assignors to Interchemical Corporation, New York, N. Y. Reaction products of unsaturated dicarboxylic acid derivatives with cyclopentadiene polymers. 2,608,550, Aug. 26.

Rowland, Ernest L., Jr., Jacksonville, Fla. Blood testing apparatus. 2,610,541, Sept. 16.

Rowland, James W., Jackson, Mich. Fluid pressure booster through differential lever and equivalent structure. 2,610,469, Sept. 16.

Rowland, Plais R., Manson, Wash. Gas saving device. 2,603,197, July 15.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of styrene-maleic copolymers. 2,606,891, Aug. 12.

Rowley, Arthur, Green Lake, Wis., and B. E. Jones, Oak Park, Ill. Fluid actuated toy motive device. 2,583,123, Jan. 22.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry pipe valve. 2,586,720, Feb. 19.

Rowley, Russell A., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Comparing device. 2,588,049, Mar. 4.

Rowntree, Norman A. F.: *See*—
Boucher, Percival L., and Rowntree.

Roxy Bias Binding, Inc., assignee: *See*—
Giletti, John.

Roy, Carlotta L., Toronto, Ontario, Canada. Paper cup dispenser. 2,614,687, Oct. 21.

Roy, Edmond J., assignor of one-half to F. I. Roy, Hollywood, Calif. Curtain ring. 2,585,500, Feb. 12.

Roy Flora I., assignee: *See*—
Roy, Edmond J.

Roy, George L., Battle Creek, Mich. Counting apparatus. 2,587,066, Feb. 26.

Roy, Joseph A., Danvers, and R. S. Ives, Topsfield, assignors to Sylvania Electric Products Inc., Salem, Mass. Electric gaseous discharge device. 2,607,014, Aug. 12.

Roy, Maurice, assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Sucking in the boundary layers on the surfaces of reaction jet flying machines. 2,587,227, Feb. 26.

Roy, Milton, Company, assignee: *See*—
Saalfrank, Royal B.
Sheen, Milton R., and R. T., and Saalfrank.
Sheen, Robert T.
Sheen, Robert T., and Saalfrank.

Royal, Celestian L., Keokuk, Iowa, assignor to General Mills, Inc. Gluten hydrolysis. 2,593,487, Apr. 22.

Royal China Inc., assignee: *See*—
Henderson, Frederick C.

Royal, James M.: *See*—
Johnson, Scott R., Royal, and Schrader.

Royal P. C. D. Inc., assignee: *See*—
Helfgott, Erwin.

Royal Patent Corporation, assignee: *See*—
Durant, Lyndon A.
Durant, Lyndon A., and Horlick.
Summers, William J.
Wolverton, Marcine P.

Royal, Thomas B., Homestead, Fla. Reversing mechanism. 2,588,883, Mar. 11.

Royal Typewriter Company, Inc., assignee: *See*—
Hart, Henry J.
Kloski, John F.
Kupper, William H.

Royal Vacuum Cleaner Company, assignee: *See*—
Martinet, Eugene F.
Martinet, Eugene F., and Koren.

Royce, Virginia B., Chicago, Ill., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,586,439, Feb. 19.

Royen, Paul: *See*—
Rottig, Walter, Gross, Royen, and Schenk.

Royer, Celestin A., Champaign, Ill. Windshield visor. 2,583,306, Jan. 22.

Royer, Celestine A., assignor to R. H. Bishop Company, Champaign, Ill. Hand metal stamping tool. 2,581,715, Jan. 8.

Royer, Celestine A., assignor to R. H. Bishop Company, Champaign, Ill. Sheet metal cutting tool. 2,610,398, Sept. 16.

Royer, Frieda F.: *See*—
Royer, Thurber W. and F. F.

Royer, George L., North Plainfield, and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Composition and process for finishing woolen textiles. 2,620,322, Dec. 2.

Royer, John A., assignor to Buckner Manufacturing Company, Fresno, Calif. Sprinkler. 2,606,789, Aug. 12.

Royer, Leslie W., Aliquippa, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas separation. 2,614,904, Oct. 21.

Royer, Leslie W., Aliquippa, and R. L. Iverson, Beaver Falls, assignors to Koppers Company, Inc., Pittsburgh, Pa. Recovery of N-butanol from butadiene residue. 2,606,211, Aug. 5.

Royer, Richard P., High Point, N. C. Mounting mirrors on dressers. 2,600,578, June 17.

Royer, Thurber W. and F. F., Arlington, Va. Stud extractor. 2,600,924, June 17.

Royer, William M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Handgrip operated switch. 2,593,488, Apr. 22.

Royer, William M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Power shovel. 2,620,161, Dec. 2.

Royster, Percy H., Chevy Chase, Md., assignor to Pickands Mather & Co., Cleveland, Ohio. Heat-treating solids. 2,608,481, Aug. 26.

Royston, Marvin F., assignor to Frederick Hart & Co., Inc., Poughkeepsie, N. Y. Electromagnetic recording head. 2,585,040, Feb. 12.

Rozanski, Tony, and W. Whitley, Ramsey, N. J. Hydraulic pressure delivery device. 2,597,953, May 27.

Rozas, Luis A. V., Cuzco, Peru. Parachute unfastener. 2,581,557, Jan. 8.

Rozen, Joseph, Wichita, Kans. Shutter for internal-combustion engines. 2,597,822, May 20.

Rozett, Benjamin, Chicago, Ill., assignor to J. Weidenhoff, Incorporated. Adapter. 2,594,220, Apr. 22.

Rozett, Benjamin, Chicago, Ill., assignor to J. Weidenhoff, Incorporated. Low-voltage circuit tester. 2,597,188, May 20.

Rozières, Jean, Saint-Cloud, France. Wire rolling mill. 2,613,560, Oct. 14.

Ruano, William J., assignee: *See*—
Napier, James W.

Ruau, Felix F.: *See*—
Molins, Desmond W., and Ruau.
Molins, Desmond W., Ruau, Jackson, and Bruce.
Molins, Desmond W., Ruau, Nichols, Jackson, and Williams.

Ruau, Felix F., London, assignor to Molins Machine Company Limited, Deptford, London, England. Cigarette collecting mechanism with upstanding members on a conveyer for releasably supporting flexible end portions of receptacles. 2,591,202, Apr. 1.

Rubatex Products Inc., assignee: *See*—
Cooper, Lester S.
Pfleumer, Hans.

Rubber and Asbestos Corp., assignee: *See*—
Sugerman, Bernard E., and Been.

Rubber-Stichting, assignee: *See*—
Houwink, Roelof, and Schöulau.
Van Amerongen, Gerrit J.
van Veersen, Gerardus J.

Rubber & Tire Materials Company, assignee: *See*—
Murray, Robert C.

Rubberset Company, assignee: *See*—
Barnes, Charles H., and Grosse.

Rubbra, Arthur A., Littleover, Derby, assignor to Rolls-Royce Limited, Derby, England. Means for supporting the nozzles of the combustion chambers of internal-combustion turbines. 2,594,808, Apr. 29.

Rubbra, Arthur A., Littleover, Derby, assignor to Rolls-Royce Limited, Derby, England. Engine starter mechanism having a turbine as the prime mover. 2,614,798, Oct. 21.

Ruben, Julius, trustee, assignee: *See*—
Huber, Elmer J.

Ruben, Samuel, New Rochelle, N. Y. Alkaline dry cell. 2,620,368, Dec. 2.

Rubens, Harry S., Manhasset, assignor to National Electric Instrument Company, Inc., Elmhurst, N. Y. High-frequency therapeutic apparatus. 2,611,365, Sept. 23.

Rubens, Harry S., Manhasset, and I. Suwa, Jackson Heights, assignors to National Electric Instrument Co., Inc., Elmhurst, N. Y. Obturator lock of endoscopic instrument. 2,584,619, Feb. 5.

Rubens, Harry S., Manhasset, and I. Suwa, Jackson Heights, assignors to National Electric Instrument Company, Inc., Elmhurst, N. Y. Illuminated speculum. 2,592,190, Apr. 8.

Rubens, Louis C., and R. F. Boyer, Midland, Mich., assignors to The Dow Chemical Company. Polymerizable composition of styrene, unsaturated alkyd resin, and elastomer. 2,609,353, Sept. 2.

Rubenstein, Harry J., Kansas City, Mo. Joint structure for wire display racks. 2,609,937, Sept. 9.

Rubenstein, Robert, and S. I. Groban, Chicago, Ill. Axial flow turbine oil line flow indicator. 2,599,201, June 3.

Rubenstein, Solomon, Providence, R. I. Multiple compartment can. 2,605,013, July 29.

Ruberoid Co., The, assignee: *See*—
Abraham, Herbert.
Engelbach, Miles V.

Ruberts, Edwin L. and E. M., Ottawa, Ill.; said E. M. Ruberts assignor to said E. L. Ruberts. Hydrodynamic universal joint. 2,605,614, Aug. 5.

Ruberts, Edwin M.: *See*—
Ruberts, Edwin L. and E. M.

Rubico, Jerome A., East Boston, assignor to Jerome Rubico, Inc., Boston, Mass. Making flexible footwear. 2,584,084, Jan. 29.

Rubico, Jerome, Inc., assignee: *See*—
Rubico, Jerome A.

Rubin, Alexander N., assignee: *See*—
Biehl, Charles B.

Rubin, Frank, and B. B. Henderson, Okanogan, Wash. Self-centering inside and outside caliper. 2,603,002, July 15.

Rubin, Harry, Belle Harbor, N. Y. Condenser lens arrangement for projectors. 2,610,546, Sept. 16.

Rubin, Julius, New York, N. Y. Garment trimming machine. 2,584,620, Feb. 5.

Rubin, Louis C.: *See*—
Burton, William P., McGrath, and Rubin.
Passino, Herbert J., and Rubin.

Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Forming sheets from perfluorochlorocarbon plastic. 2,617,149, Nov. 11.

Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Compression molding of perfluorochlorocarbon plastics. 2,617,150, Nov. 11.

Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Injection molding of polytrifluorochloroethylene. 2,617,151, Nov. 11.

Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Transfer molding of perfluorochlorocarbon plastic. 2,617,152, Nov. 11.

Rubin, Louis C., West Caldwell, E. W. Riblett, Tenafly, and H. G. McGrath, Elizabeth, assignors to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,615,035, Oct. 21.

Rubin, Louis C., West Caldwell, and H. G. McGrath, Elizabeth, assignors to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,620,346, Dec. 2.

Rubin, Martin, Washington, D. C., E. B. Hershberg, West Orange, and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Manufacture of estrone. 2,594,349, Apr. 29.

Rubin, Martin I.: *See*—
Geschickter, Charles F., and Rubin.

Rubin, Milton D., Dorchester, assignor to Raytheon Manufacturing Company, Newton, Mass. Relaxation oscillator circuits. 2,616,048, Oct. 28.

Rubin, Samuel J., assignor to Arrow Metal Products, Chicago, Ill. Universal mounting for tripods. 2,586,721, Feb. 19.

Rubin, Samuel L., Chicago, Ill. Skirt hanger. 2,612,301, Sept. 30.

Rubinoff, Abraham L., assignor of one per cent to A. H. S. Adams, Toronto, Ontario, Canada. Separable hinge construction. 2,618,809, Nov. 25.

Rubinoff, Mark, New York, N. Y. Card holding device. 2,607,594, Aug. 19.

Rubinstein, Helena, Inc., assignee: *See*—
Watson, Lionel E.

Rubly, Harry C., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clamp for cylindrical objects. 2,607,092, Aug. 19.

Ruby, Forest R., Detroit, Mich. Curtain stretcher. 2,588,661, Mar. 11.

Ruch, Louis A. H., Paterson, N. J. Holder for feeding and watering containers. 2,586,565, Feb. 19.

Ruch, Roy, Sunbury, Pa. Cabinet. 2,600,925, June 17.

Rucker, J. W., Fort Worth, Tex. Window lock and grill. 2,605,517, Aug. 5.

Rucker, John T., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Corrosion retarder. 2,617,771, Nov. 11.

Ruckman, Ruben L., assignor to A. M. Stewart, Texas City, Tex. Level tube support. 2,612,704, Oct. 7.

Rucks, Henry E., Augusta, Wis. Attachment for supporting a chemical decarbonizer or desooter in a pot-type oil burning space heater or furnace. 2,606,605, Aug. 12.

Rudahl, Arnold E., Middlefield, assignor to Landers, Frary & Clark, New Britain, Conn. Percolator coffee maker. 2,583,279, Jan. 22.

Rudat, George: *See*—
Luther, William P., and Rudat.

Rudberg, Mac S.: *See*—
Holgersson, Sigbjörn P. H. E., Rudberg, and Rydberg.

Rudblad, George J., Elmwood Park, assignor to Wilson-Jones Company, Chicago, Ill. Latching means for staple supporting slides. 2,599,131, June 3.

Rudd, Albert V., Hinsdale, Ill. Stackable receptacle. 2,606,683, Aug. 12.

Rudd, Gene C., assignor to Southern Air Conditioning Mfg. Co., Fort Worth, Tex. Radial louver construction. 2,600,926, June 17.

Rudd, Kenneth H.: *See*—
Doyle, Philip C., and Rudd.

Rudd, Maurice A., North Plainfield, N. J., assignor to Bendix Aviation Corporation, New York, N. Y. Relay switch. 2,589,868, Mar. 18.

Rudd, Maurice A., North Plainfield, N. J., assignor to Bendix Aviation Corporation, New York, N. Y. Multiple switch. 2,597,823, May 20.

Ruddy, Arlo W., Albany, assignor to Sterling Drug Inc., New York, N. Y. Quaternary ammonium slats of N-(3,3-diphenyl propyl) pyrrolidine. 2,592,191, Apr. 8.

Ruddy, Arlo W., Morristown, N. J., assignor to Sterling Drug Inc., New York, N. Y. N-heterylalkyl-isobutyl-(2-thienyl) acetonitriles and preparation thereof. 2,615,894, Oct. 28.

Rude, John F., assignor to A. V. Burch, Evansville, Ind. Disk harrow angling mechanism. 2,600,331, June 10.

Rude, John F., and A. V. Burch, assignors to Burch Plow Works, Inc., Evansville, Ind. Rotary hoe wheel. 2,600,332, June 10.

Rudel, Harry W.: *See*—
Bartlett, Jeffrey H., Rudel, and Cyphers.

Rudel, Harry W., Roselle Park, and J. L. Wasson, Union, N. J., assignors to Standard Oil Development Company. Steam turbine lubricants. 2,595,169, Apr. 29.

Rudel, Harry W., Roselle Park, and A. D. Kirshenbaum, Union, N. J., assignors to Standard Oil Development Company. Stabilized mineral oil. 2,595,170, Apr. 29.

Rudel, Harry W., Roselle Park, and J. M. Boyle, Bayonne, N. J., assignors to Standard Oil Development Company. Oxidation inhibitor. 2,599,350, June 3.

Ruderfer, Martin, Brooklyn, N. Y. Microwave tube. 2,611,104, Sept. 16.

Ruderfer, Martin, Brooklyn, N. Y. Electronic tube. 2,615,128, Oct. 21.

Rudisill, Dorus P., Hickory, N. C. Impact circuit breaker. 2,586,384, Feb. 19.

Rudisill, Dorus P., Hickory, N. C. Safety fuel cutoff for vehicles. 2,619,185, Nov. 25.

Rudman, Edward G., Nashua, N. H. Stop mechanism for sliding elements of furniture. 2,599,865, June 10.

Rudman, Edward G., Nashua, N. H. Laterally extendible sliding shelf. 2,604,374, July 22.

Rudoff, Hyman, assignor to Shawinigan Resins Corporation, Springfield, Mass. Vinyl acetate-allyl acetate copolymer emulsion. 2,611,754, Sept. 23.

Rudolph, Edward A., Richmond Annex, Calif. Dispensing apparatus. 2,611,327, Sept. 23.

Rudolph, Edward A., Richmond Annex, Calif. Bread feeding machine. 2,611,470, Sept. 23.

Rudolph, Edward A., Richmond Annex, Calif. Mayonnaise applicating apparatus. 2,622,555, Dec. 23.

Rudolph, Faucette S., Torrance, Calif. Training hackamore. 2,623,340, Dec. 30.

Rudolph, Onie B., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Control circuit. 2,604,612, July 22.

Rudy Manufacturing Company, assignee: *See*—
Polad, Thomas H.

Rue, Harold E., Wauwatosa, and L. Tigerman, assignors to Pabst Brewing Company, Milwaukee, Wis. Machine for coding labels. 2,589,512, Mar. 18.

Rued, Fred H., Lafayette, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Multistage sleeve valve. 2,590,466, Mar. 25.

Ruedy, John E., and F. E. Williams, Princeton, N. J., assignors to Radio Corporation of America. Making phosphor screens. 2,600,579, June 17.

Ruegenberg, Gottfried, Krefeld, Germany. Expanding-pulley variable-speed gear. 2,607,235, Aug. 19.

Rüegg, Rudolf: *See*—
Lindlar, Herbert, and Rüegg.

Ruegg, Rudolf, Zurich, Switzerland. Instrument for measuring heat quantities. 2,588,769, Mar. 11.

Ruehle, Archie E.: *See*—
Mallinckrodt, Edward, Jr., and Ruehle.

Ruehlen, Forrest N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of hydrocarbons with fluorinated aliphatic carboxylic acids. 2,614,965, Oct. 21.

Ruekberg, Herbert S., Highland Park, Ill. Nozzle head. 2,621,874, Dec. 16.

Ruemelin, Richard, Milwaukee, Wis. Control valve for sandblast generators. 2,580,842, Jan. 1.

Ruemelin, Richard, Milwaukee, Wis. Welding cabinet. 2,590,577, Mar. 25.

Ruetz, Joseph, Biel, Switzerland. Closure device for containers. 2,595,000, Apr. 29.

Ruff, Alonzo W., York, Pa., assignor to Read Standard Corporation. Refrigerated dough mixer. 2,595,298, May 6.

Ruff, Alonzo W., assignor to V. C. Patterson & Associates, Inc., York, Pa. Oil removal system for refrigeration apparatus. 2,617,265, Nov. 11.

Ruff, Harold R., and H. K. Bourne, Rugby, England, assignors to General Electric Company. Circuit for operating electric discharge lamps. 2,619,615, Nov. 25.

Ruff, Harold T., and J. F. Stevenson, Jr., assignors to The Mead Corporation, Chillicothe, Ohio. Delinking waste paper containing groundwood. 2,620,271, Dec. 2.

Ruffalo, John R.: *See*—
True, James E., and Ruffalo.

Ruffle, William H., assignor to Speed Development Company Limited, Hove, England. Temperature change responsive means for controlling electric circuits. 2,589,869, Mar. 18.

Rufle, George H., Laurelton, N. Y. Multiple electric circuit controller. 2,607,841, Aug. 19.

Rugar, George F., Willoughby, assignor to Diamond Alkali Company, Cleveland, Ohio. Flameproof thermoplastic molding compositions. 2,590,211, Mar. 25.

Rugcrofters, Inc., assignee: *See*—
Holmen, Torleif K.

Ruge, Arthur C., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Transient analyzer. 2,582,851, Jan. 15.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Differential load weighing device. 2,582,886, Jan. 15.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Bending beam load weighing device. 2,597,751, May 20.

Rugen, Daniel L.: *See*—
Daum, Harold, and Rugen.

Ruger Equipment, Inc., assignee: *See*—
Schlein, Seymour.

Ruger, William B., Easton, assignor to Sturm, Ruger and Company, Inc., Southport, Conn. Receiver and grip connection for autoloading pistols. 2,585,275, Feb. 12.

Rugg, Harold H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal enclosed switchgear. 2,594,075, Apr. 22.

Ruh, Robert P., assignor to The Dow Chemical Company, Midland, Mich. Production of unsaturated fluorine-containing alicyclic ethers. 2,613,228, Oct. 7.

Ruhemann, Martin S. W., assignor to Petrocarbon Limited, London, England. Plural stage cooling machine. 2,581,558, Jan. 8.

Ruhl, Charles L.: *See*—
Exline, Marcus P., and Ruhl.

Ruhland, Ludwig, Secaucus Township, Hudson County, N. J. Device for making elastic bodies. 2,605,505, Aug. 5.

Ruhlin, John B., Akron, Ohio. Detachable pouring lid for liquid containers. 2,604,232, July 22.

Ruhoff, John R.: *See*—
Farr, Henry V., and Ruhoff.

Ruhrchemie Aktiengellschaft, assignee: *See*—
Gottschall, Wilhelm, Kolling, and Hagemann.
Rottig, Walter.
Rottig, Walter, Gross, Royen, and Schenk.
Tramm, Heinrich.

Rule, John, assignor to Joseph Lucas Limited, Birmingham, England. Filling device for electric storage batteries. 2,592,743, Apr. 15.

Rullo, Gabriel N., New York, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Adhesive applicator for corrugating machines. 2,589,966, Mar. 18.

Rulon-Miller, Robert: *See*—
Cotchett, Louis M., and Rulon-Miller.

Rumbaugh, Lynn H., Washington, D. C., H. Jensen, Philadelphia, Pa., and J. R. Balsley, Jr., Arlington, Va. Method and apparatus for conducting geophysical surveys. 2,611,803, Sept. 23.

Rumberger, George G., and A. M. Heald, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Laminated sheet material. 2,599,130, June 3.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Molded roof structure and its production. 2,598,607, May 27.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Shuttering for molding concrete walls in situ. 2,602,210, July 8.

Rummel, Mary J.: *See*—
Aiken, Mary E., and Rummel.

Rummel, Roman, Dusseldorf-Benrath, Germany. Production of metals from their ores. 2,612,444, Sept. 30.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Condensates of rosin with carbocyclic unsaturated hydrocarbons. 2,593,613, Apr. 22.

Rummery, Frank O., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Preparing lead titanate pigments. 2,607,659, Aug. 19.

Rumpel, Harvey H., Whitefish Bay, assignor to Smith Engineering Works, Milwaukee, Wis. Gyratory crusher. 2,590,795, Mar. 25.

Rumpel, Harvey H., Whitefish Bay, assignor to Smith Engineering Works, Milwaukee, Wis. Jaw crusher with side thrust absorbing bearings. 2,598,942, June 3.

Rumph, Conoley O., Selma, Ala. Rotary interleaving apparatus. 2,594,490, Apr. 29.

Rumpp, C. F., & Sons, assignee: *See*—
Hutchinson, Herman R.

Rumscheidt, Gottfried E.: *See*—
De Nie, Willem L. J., and Rumscheidt.
Goppel, Johan M., and Rumscheidt.

Rumscheidt, Gottfried E., and J. M. Goppel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Filamentary product and preparing same. 2,622,962, Dec. 23.

Rumsey, Herbert, Jr., Rochester, N. Y. Wrapping and twisting apparatus. 2,598,073, May 27.

Rumsey, Herbert, Jr., Rochester, N. Y. Tubular casing. 2,608,488, Aug. 26.

Rumsey, Rollin D., Buffalo, N. Y., assignor to American Machine & Foundry Company. Indexing mechanism. 2,607,237, Aug. 19.

Rumsey, Victor H., Columbus, Ohio, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Power distribution system. 2,602,856, July 8.

Rumsey, Victor H., Montreal, Quebec, Canada, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Directive broad band slot antenna system. 2,615,132, Oct. 21.

Runaldue, Lewis R., Dalton, Mass., assignor to General Electric Company. Automatic regulator control. 2,601,060, June 17.

Rundblad, George J.: *See*—
Peterson, Eric W., and Rundblad.

Runde, Byron A., Grosse Pointe Woods, assignor to Burroughs Adding Machine Company, Detroit, Mich. Bicolor ribbon control for accounting machines. 2,602,530, July 8.

Runde, Kenneth R., Lemay, Mo., assignor, by mesne assignments, to T. F. Peterson, Shaker Heights, Ohio. Installing helically preformed elements on cables. 2,582,797, Jan. 15.

Runde, Kenneth R., Lemay, assignor to J. R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,597,037, May 20.

Rundell, Raymond R., Miami, Fla. Telescopic ash receiver. 2,590,043, Mar. 18.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine and Foundry Company. Backstop mechanism for bowling pin spotting machines. 2,609,200, Sept. 2.

Rundle, John B., New York, N. Y. Package. 2,605,897, Aug. 5.

Rundle, William B., Mount Forest, Ontario, Canada. Molasses mixer. 2,600,333, June 10.

Rundquist, Carl J.: *See*—
Mahoney, Joseph L., Rundquist, and Skarin.

Runefelt, Victor E. A., Stockholm, Sweden. Device for adjustably supplying air to auditoriums and the like. 2,623,448, Dec. 30.

Runge, Carl B., Chicago, Ill. Duplicator device. 2,607,290, Aug. 19.

Runge, Frank E.: *See*—
Johnson, Edward P., and Runge.

Runge, Frank E., Branford, assignor to The Soundscriber Corporation, New Haven, Conn. Record marker for dictating machines. 2,611,620, Sept. 23.

Runge, Richard M., and S. R. Naysmith, assignors to The Miller Company, Meriden, Conn. Fluorescent lighting fixture. 2,595,487, May 6.

Runge, Richard M., and S. R. Naysmith, assignors to The Miller Company, Meriden, Conn. Fluorescent lighting fixture. 2,595,488, May 6.

Runk, Robert H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil soluble phenolic resins and varnish compositions prepared therefrom. 2,586,385, Feb. 19.

Runkle, Charles V., Detroit, Mich. Electronic space unit humidifier. 2,621,281, Dec. 9.

Runkles, Elsie M.: *See*—
Phillips, Howard C., and Runkles.

Runnels, Garland D., assignee: *See*—
Smith, Charles V.

Runnels, Garland D., New York, N. Y. Tongue scraper. 2,583,750, Jan. 29.

Runnoe, Vincent J., Beaver Dam, Wis. Broiling utensil. 2,594,500, Apr. 29.

Runton, Leslie A., Dracut, Mass., assignor to J. P. Stevens & Co. Inc., New York, N. Y. Method and apparatus for blending fiber. 2,594,589, Apr. 29.

Runton, Leslie A., Dracut, Mass., assignor to J. P. Stevens & Co. Inc., New York, N. Y. Apparatus for blending fiber. 2,594,590, Apr. 29.

Runton, Leslie A., Dracut, Mass., assignor to J. P. Stevens & Co. Inc., New York, N. Y. Conveyer for feeding and spreading loose fiber into sheet form. 2,594,591, Apr. 29.

Runyan, Ivy V., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Heterocyclic alkylamines as accelerators for photographic developers. 2,605,183, July 29.

Ruoff, George M.: *See*—
Bellezza, Russell G., and Ruoff.

Ruolle, Maurice A., Paris, France. Left or right hand twist drill grinding machine according to variable clearance angles. 2,607,172, Aug. 19.

Ruopp, Paul W., Detroit, Mich. Fence. 2,603,456, July 15.

Ruosch, Samuel, Visp, Switzerland. Production of potassium-containing nitrophosphates. 2,589,734, Mar. 18.

Rupert Diecasting Company, assignee: *See*—
Beuscher, William B.

Rupert, Paul S., Curundu, C. Z. Shaving or toothbrush outfit holder and container. 2,599,019, June 3.

Rupert, Richard: *See*—
Peterson, Wilbur P., and Rupert.

Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Dry Ice manufacture. 2,608,838, Sept. 2.

Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Removing mercaptans from mineral oils. 2,616,835, Nov. 4.

Rupp, William C., Parma, assignor to The Chandler & Price Company, Cleveland, Ohio. Inking mechanism for printing presses. 2,591,613, Apr. 1.

Rupp, William C., Parma, assignor to The Chandler & Price Company, Cleveland, Ohio. Oscillating bed and platen press. 2,613,599, Oct. 14.

Ruppert, Clarence J., assignor of thirty-three and one-third per cent to E. W. Gaffield, Washington, D. C., and thirty-three and one-third per cent to R. N. Matson, Silver Spring, Md. Saddle cover. 2,613,722, Oct. 14.

Rural Transformer & Equipment Co., assignee: *See*—
Nelson, Rolland D., and Link.

Rus, Albert F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for removing heat fusible material from cans. 2,589,143, Mar. 11.

Rusca, Ralph A., and R. C. Young, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Fiber doffing device. 2,607,958, Aug. 26.

Rüsch, Gustav O. K.: *See*—
Christiansen, Christian, and Rüsch.

Ruschig, Heinrich, Frankfort-on-the-Main, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfort-on-the-Main-Hochst, Germany. Preparing 21-iodo-pregnene-(5)-ol-(3)-one-(20). 2,609,379, Sept. 2.

Ruschmann, Henry F.: *See*—
Goetz, Henry G., and Ruschmann.

Ruscito, John R., and M. J. Damon, Altoona, Pa. Auxiliary pedal for foot brake pedals. 2,600,267, June 10.

Ruscoe, Garnet W., Trumbull, Conn., assignor to General Electric Company. Drive mechanism for washing machines and the like. 2,609,697, Sept. 9.

Rusconi, Carlo F., Fresno, Calif. Automatically vented liquid flow regulating valve. 2,603,493, July 15.

Rush, John J.: *See*—
Grandinetti, Eugene, Rush, and Balmer.

Rush, John W.: *See*—
Williams, Samuel L., and Rush.

Rushing, Herschel L., Nashville, Tenn. Tell-tale screw spike. 2,600,517, June 17.

Rushing, Herschel L., Madison, Tenn. Railway track supporting and fastening. 2,619,291, Nov. 25.

Ruskin, Henry, Bayside, assignor to Speed Products Company, Inc., New York, N. Y. Stapling machine. 2,603,781, July 22.

Ruskin, Henry, Bayside, assignor to Speed Products Co., Inc., New York, N. Y. Pocket stapling machine. 2,604,623, July 29.

Ruskin, Simon L., New York, N. Y. Crystalline calcium ascorbate and preparing same. 2,596,103, May 13.

Ruskin, Simon L., New York, N. Y. Producing calcium salts of sulfanilamides. 2,602,085, July 1.

Ruskin, Simon L., New York, assignor, by mesne assignments, to Physiological Chemicals Company, New Rochelle, N. Y. Ascorbic acid addition compound of sulfathiazole. 2,606,903, Aug. 12.

Ruskin, Simon L., New York, assignor to Physiological Chemicals Company, New Rochelle, N. Y. Calcium sulfanilamide preparations. 2,613,170, Oct. 7.

Ruskin, Sol, Brooklyn, N. Y. Collapsible curtain hanger. 2,602,506, July 8.

Rusnak, Paul, Los Angeles, Calif. Folding utility cart. 2,613,951, Oct. 14.

Rusnak, William, Chicago, and W. G. Stoll, Evanston, assignors to Afco-Lite Corporation, Chicago, Ill. Suspendible brooder heater with tumbling feature. 2,610,285, Sept. 9.

Rusoff, Louis L., and A. J. Gelpi, Jr., assignors to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. Manufacture of cheese. 2,585,501, Feb. 12.

Rusoff, Samuel, Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Refractory compositions. 2,614,050, Oct. 14.

Russ, Harley W., Haverhill, and E. E. Joiner, Jr., Andover, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for forming the upper faces of wedge heels. 2,613,705, Oct. 14.

Russ, John A., Massillon, Ohio. Food preparing device. 2,609,024, Sept. 2.

Russak, Alexander J., Elmhurst, N. Y. Absorbent soap rest. 2,620,502, Dec. 9.

Russell, Alexander, assignor to The Forgrove Machinery Company Limited, Leeds, England. Wrapping machine. 2,612,740, Oct. 7.

Russell, Andrew C., Shawnee, Okla. Fluid heater for oil well treating apparatus. 2,591,879, Apr. 8.

Russell, Andrew C., Shawnee, Okla. Oil well treating apparatus. 2,603,296, July 15.

Russell, Andrew C., Shawnee, Okla. Carburetor with automatic air feed control. 2,614,581, Oct. 21.

Russell, Arthur G.: *See*—
Park, Robert H., Russell, MacDonald, and Crookston.

Russell, Arthur G., Company, Incorporated, assignee: *See*—
Willis, Grant N.

Russell, Calvin: *See*—
Broyles, Daniel, and Russell.

Russell, Carl M.: *See*—
Jensen, Garold K., Russell, and Smith.

Russell, Carl M., Washington, D. C. Ultrahigh-frequency device. 2,617,038, Nov. 4.

Russell, Cecil R., Tulsa, Okla. Putty removing device. 2,599,415, June 3.

Russell, Charles R., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Automatic direction control mechanism. 2,607,460, Aug. 19.

Russell, Charles W. R.: *See*—
Seymour, Evie R., and Russell.

Russell, Clair B.: *See*—
Russell, Jack J. and C. B.

Russell, Clarence J., Churchton, Md. Magazine wrapping machine. 2,590,351, Mar. 25.

Russell, Clyde C., Trona, Calif. Trouble light for illuminating work areas and projecting warning beams. 2,586,265, Feb. 19.

Russell, Edward A., and T. J. Lehane, Chicago, and R. E. Pidgeon, Round Lake, assignors to Vapor Heating Corporation, Chicago, Ill. Electrical system for controlling the temperature of individual air streams. 2,613,919, Oct. 14.

Russell, Emory S., Kenmore, N. Y. Disk slide rule. 2,595,299, May 6.

Russell, Ernest S., Wraysbury, England. Rotary siren. 2,616,956, Nov. 4.

Russell, Eugene J., Yorba Linda, and A. E. Wilde, Long Beach, Calif. Golf ball marking machine. 2,594,685, Apr. 29.

Russell, F. C., Company, The, assignee: *See*—
Itaya, Oliver M.

Russell, Francis R.: *See*—
Sweetser, Sumner B., Russell, and Bucker.

Russell, Francis R., Scotch Plains, and R. H. Mueller, Plainfield, N. J., assignors to Standard Oil Development Company. Pressure release equipment. 2,589,144, Mar. 11.

Russell, Frank J.: *See*—
Charbonneau, Allan P., and Russell.

Russell, Frederick J.: *See*—
Yutzy, Henry C., and Russell.

Russell, George F.: *See*—
Mann, Julius W., and Russell.

Russell, George F., Jr., Baton Rouge, La., assignor to Aluminum Company of America, Pittsburgh, Pa. Gas treatment and apparatus therefor. 2,588,296, Mar. 4.

Russell, Gilbert A., Cranford, N. J., assignor to General Motors Corporation, Detroit, Mich. Abrading machine. 2,592,071, Apr. 8.

Russell, Glenn, Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Tapered locking bushing mechanism. 2,612,395, Sept. 30.

Russell, Harold C., Minneapolis, and W. N. King, Anoka, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Making disintegratable top shot wads. 2,599,943, June 10.

Russell, Harold D.: *See*—
Bean, Frederic R., and Russell.

Russell, Harry J., assignor to Baker & Co., Inc., Newark, N. J. Measuring device for mercury and powdered metal. 2,595,101, Apr. 29.

Russell, Herbert H.: *See*—
Baehr, Carl G., and Russell.

Russell, Herman F., Port Huron, Mich. Breading pan. 2,616,391, Nov. 4.

Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Shower head. 2,583,232, Jan. 22.

Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Shower head. 2,583,233, Jan. 22.

Russell, Irving H., Oak Park, and W. E. Sloan, River Forest, assignors to Sloan Valve Company, Chicago, Ill. Shower head. 2,583,234, Jan. 22.

Russell, Jack J. and C. B., Des Moines, Iowa. Manual control and reel for tethered powered model airplanes. 2,602,604, July 8.

Russell, John D., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Thermal-magnetic relay. 2,610,271, Sept. 9.

Russell, John D., Hollywood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pressure measuring device. 2,585,350, Feb. 12.

Russell, John D., Los Angeles, Calif. Oscillogram reader. 2,614,327, Oct. 21.

Russell, John R. K., and A. Prasser, assignors to Spectator Optical Products Limited, Treforest, Glamorgan, Wales. Manufacture of spectacle frames or blanks. 2,582,798, Jan. 15.

Russell, Kenneth F., assignor to H. H. Garner, Claremont, Calif. Air cleaner of the oil-bath type. 2,580,703, Jan. 1.

Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Pump. 2,605,958, Aug. 5.

Russell Manufacturing Company, The, assignee: *See*—
Rasero, Lawrence J.
Russell, Robert A.
Walters, Gustav and Morton.

Russell, Nelson B.: *See*—
Bond, Donald C., and Russell.

Russell, Percy W., Jacksonville, Ill. Spiral projector and propeller. 2,585,848, Feb. 12.

Russell, Peter B.: *See*—
Hitchings, George H., and Russell.
Hitchings, George H., Russell, and Falco.

Russell, Peter B., Tuckahoe, N. Y., and N. Whittaker, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. α-aryl-β-alkoxyacrylonitriles and preparing same. 2,609,384, Sept. 2.

Russell, Peter K., Shippensburg, Pa. Air-heating furnace with forced flow air circulating means. 2,587,228, Feb. 26.

Russell, Phillip W., and J. L. Harmon, Cleveland Heights, Ohio. Radio-frequency operated receiving system consuming zero standby power. 2,597,264, May 20.

Russell, Ralph D.: *See*—
Kuss, Theodore M., and Russell.

Russell, Ralph S., assignor to Hydraulic Supply Manufacturing Company, Seattle, Wash. Grit blasting device for cleaning pipes and the like. 2,621,446, Dec. 16.

Russell, Ray A., Santa Ana, Calif. Garden and beach umbrella. 2,584,502, Feb. 5.

Russell, Richard F., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Apparatus for preparing the surface of a panel on a fire extinguisher shell to receive printing thereon. 2,616,222, Nov. 4.

Russell, Robert, Britannia Beach, British Columbia, Canada. Belt tightening device. 2,618,163, Nov. 18.

Russell, Robert A., Alexandria City, Ala., assignor to The Russell Manufacturing Company. Centrifugal dyeing. 2,588,415, Mar. 11.

Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Shift control mechanism. 2,599,724, June 10.

Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electromagnetic clutch. 2,606,638, Aug. 12.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Transmission. 2,616,309, Nov. 4.

Russell, Robert G., assignor to Davy and United Engineering Company Limited, Sheffield, England. Traveling coil lifting gear. 2,595,707, May 6.

Russell, Robert W., Findlay, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flame detection apparatus. 2,619,595, Nov. 25.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Curing hay. 2,620,611, Dec. 9.

Russell, Thomas F., Fergus, Ontario, Canada. Jet circulation washing machine. 2,610,499, Sept. 16.

Russell, Victor J. S., Cricklewood, London, assignor to S. Smith & Sons (England) Limited, London, England. Instrument or display device having markings rendered fluorescent by invisible light rays. 2,623,182, Dec. 23.

Russell, William J.: *See*—
Weber, Victor, and Russell.

Russell, William J., assignor to Landers, Frary & Clark, New Britain, Conn. Flatiron. 2,607,138, Aug. 19.

Russell, William P., La Grange, assignor to J. R. Ford, La Grange Park, Ill. Tool for cleaning grease fittings. 2,593,799, Apr. 22.

Russell, Winifred M., Los Angeles, Calif., assignor, by mesne assignments, to Caltex Sportswear Co. of California, Inc. Brassière. 2,613,356, Oct. 14.

Russenberger, Max, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland. Gripping means for specimens in pulsating testing machines. 2,583,885, Jan. 29.

Russenberger, Max, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland. Automatic amplitude regulator for electron tube actuated oscillation testing machines. 2,602,326, July 8.

Russo, James E.: *See*—
Verkuil, Leo L., and Russo.

Russum, Leonard W., Whiting, and J. F. Coffey, Valparaiso, Ind., assignors to Standard Oil Company, Chicago, Ill. Hydrogen process. 2,609,274, Sept. 2.

Rust, David J.: *See*—
Jensen, Jack H., and Rust.

Rust, David J., and J. H. Jensen, assignor to Ry-Lock Company, Ltd., San Leandro, Calif. Upper securing device for tension screens. 2,599,725, June 10.

Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. Adjustable ventilator screen. 2,605,831, Aug. 5.

Rust, Edgar H., Denver, Colo. Stamped metal assembly clip. 2,607,972, Aug. 26.

Rust, Frederick F., Oakland, A. R. Stiles, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Peresters of oxo-substituted mono-peroxycarboxylic acids. 2,608,571, Aug. 26.

Rust, Harley, Mount Morrison, Colo. Adjustable scraper blade mounting. 2,614,344, Oct. 21.

Rust, John B., East Hanover, N. J., and C. W. Pfeifer, Philadelphia, Pa., assignors of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Polybutadiene padding bath for shrinkproofing wool. 2,580,602, Jan. 1.

Rust, John B., Verona, assignor of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Oxidation of steroidal sapogenins. 2,623,053, Dec. 23.

Rust, John B., Verona, assignor of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Ketene derivatives of steroids and making them. 2,623,055, Dec. 23.

Rust, John D., Memphis, Tenn. Cotton picking machine. 2,613,492, Oct. 14.

Rust, John D., Pine Bluff, Ark. Cotton fluffer for cotton picking machines. 2,607,178, Aug. 19.

Rust, Noël M., Chelmsford, and G. E. Partington, Langdale, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio location and detection arrangement. 2,602,920, July 8.

Rust, Noël M., Chelmsford, and G. E. Partington, Langdale, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio location and detection arrangement. 2,612,636, Sept. 30.

Rust, Noël M., Chelmsford, England, and M. C. Gregory, Abercorn, Northern Rhodesia, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio mirror. 2,617,030, Nov. 4.

Rust, Noël M., Danbury Common, Chelmsford, G. E. Partington, Langdale, Westmorland, and D. L. Plaistowe and D. J. Fewings, Chelmsford, England, assignors to Radio Corporation of America. Electrical oscillation generator. 2,618,748, Nov. 18.

Rustad, Brice M.: *See*—
Ingram, Mark G., and Rustad.

Rustin, Eugene H., Brooklyn, N. Y. Universal instrument and bearing cleaner. 2,603,228, July 15.

Ruston & Hornsby Limited, assignee: *See*—
Fellden, Geofrey B. R.

Rutenber, Edwin A., Baldwin Lake, and H. Tillapaugh, assignors to Gibson Refrigerator Company, Greenville, Mich. Electric range heating element supporting structure. 2,610,281, Sept. 9.

Rutenberg, Anatol, Shilton, near Coventry, assignor to The General Electric Company Limited, London, England. Frequency difference indicator. 2,592,825, Apr. 15.

Rutgers, Ulrich J., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Liquid flow regulating system. 2,598,307, May 27.

Ruth, Edward A., assignor of twenty per cent to H. Weatherford, Jr., Memphis, Tenn. Truck for delivery of refrigerated packaged goods. 2,617,270, Nov. 11.

Ruth, Howard M.: *See*—
Collins, Howard A., and Ruth.

Ruth, Joseph P., Denver, Colo. Sugar diffusing apparatus. 2,590,578, Mar. 25.

Ruth, Joseph P., Denver, Colo. Exhaust gas conditioning method. 2,611,680, Sept. 23.

Ruth, Norman S., Perkasie, Pa. Self-leveling supporting device. 2,600,518, June 17.

Rutherford, Albert D., Jr., Essex, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Backing plate for strainers. 2,593,198, Apr. 15.

Rutherford, Harry T., Baltimore, Md. Surface grinder. 2,598,020, May 27.

Rutherford, Harry T., Mount Washington, Md. Slidable side jaw wrench. 2,600,693, June 17.

Rutherford, John T., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Nonyl phthalates. 2,610,201, Sept. 9.

Rutherford, Richmond L., Superior, Ariz. Pull switch for mine shaft signal systems. 2,586,722, Feb. 19.

Rutherford, Stephen W., West Des Moines Iowa. Display sign. 2,588,050, Mar. 4.

Ruthman, Alois H., assignor to The Ruthman Machinery Company, Cincinnati, Ohio. Portable pump. 2,594,501, Apr. 29.

Ruthman, Alois H., and W. H. Mahaney, assignors to The Ruthman Machinery Company, Cincinnati, Ohio. Circulator. 2,617,669, Nov. 11.

Ruthman Machinery Company, The, assignee: *See*—
Ruthman, Alois H.
Ruthman, Alois H., and Mahaney.

Ruthven, James, Jr., Rockland, and R. G Harrison, North Quincy, Mass. Insulated box. 2,590 ,24, Mar. 25.

Rutishauser, Edgar, Zurich, Switzerland. Sheet feed device for rotary duplicating machines. 2,613,597, Oct. 14.

Rutka, Stanley J., Gheen, Minn. Tamping device. 2,622,434, Dec. 23.

Rutkiewicz, Joseph, and G. Grano, Philadelphia, Pa. Box liner spreading jig. 2,581,447, Jan. 8.

Rutledge, Harold M.: *See*—
Lajeunesse, Victor J., Rutledge, and Trier.

Rutledge, Melvin C., assignor to Hunter Douglas Corporation, Riverside, Calif. Supporting bracket for Venetian blind tilt rods. 2,620,026, Dec. 2.

Rutledge, Thomas F., New Castle, Del., and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Purifying a lubricating oil feedstock with zinc halides. 2,622,094. Dec. 16.

Rutschmann, Jürg: *See*—
Stoll, Arthur, Hofmann, Jucker, Petrsilka, Rutschmann, and Troxler.
Stoll, Arthur, and Rutschmann.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk harrow locking device. 2,587,387, Feb. 26.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow hitch. 2,594,592. Apr. 29.

Rutter, Donald E., Endicott, N. Y., H. B. Shaper, and W. J. Brown, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Insert earphone and operative subassembly therefor. 2,595,489, May 6.

Rutter, John M., assignee: *See*—
Brewster, Albert.

Ruud, Otto S., and T. J. Wilhelmsen, Oslo, Norway. Hydraulic precontrol of pressure fluid operated governors. 2,616,397, Nov. 4.

Ruze, John, Asbury Park, N. J. Angle comparator. 2,587,653, Mar. 4.

Ruzsits, Alexander, St. Louis, Mo. Device for treating the ear. 2,602,449, July 8.

Ryan Aeronautical Co., The, assignee: *See*—
Derbyshire, Charles F.

Ryan, Albert O., Independence, Ky., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Manufacture of filaments, threads or the like from liquid material. 2,619,677, Dec. 2.

Ryan, Albert O., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Manufacture of filamentary articles. 2,581,559, Jan. 8.

Ryan, Albert O., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Forming filamentary articles. 2,617,148, Nov. 11.

Ryan, Alden H.: *See*—
Hagen, John P., and Ryan.

Ryan, Beatrice Z., executrix: *See*—
Ryan, George F.

Ryan & Burke Machine Co., Inc., assignee: *See*—
Ryan, George F.

Ryan, Cornelius J., Tottenville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esterification of monohydric ether alcohols. 2,587,904, Mar. 4.

Ryan, George F., deceased, by B. Z. Ryan, executrix, Peabody, assignor to Ryan & Burke Machine Co., Inc., Lynn, Mass. Last jack. 2,621,347, Dec. 16.

Ryan, George R., and R. F. McGrew, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Venoclysis equipment. 2,581,331, Jan. 1.

Ryan, Herbert W.: *See*—
Setzer, Curt F., and Ryan.

Ryan, John, Brookline, assignor to Dehydrating Process Co., Boston, Mass. Treating fish. 2,589,288, Mar. 18.

Ryan, John, Brookline, and W. C. Wilson, Beverly, assignors to Dehydrating Process Co., Boston, Mass. Treating fish and resulting product. 2,589,287, Mar. 18.

Ryan, John C., Toronto, Ontario, Canada. Machine for planing and jointing. 2,612,192, Sept. 30.

Ryan, Joseph D., and P. T. Mattimoe, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glare screen. 2,609,269, Sept. 2.

Ryan, Mark J., Cincinnati, Ohio. Flexible rule. 2,586,386, Feb. 19.

Ryan, Martin A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater. 2,584,621, Feb. 5.

Ryan, Martin A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Slip rod gauge. 2,598,835, June 3.

Ryan, Richard W., Brooklyn, N. Y. Eye exercising device. 2,589,145, Mar. 11.

Ryan, Richard W., Brooklyn, N. Y. Wall receptacle and dispenser for gaseous material. 2,602,569, July 8.

Ryan, Richard W., Brooklyn, N. Y. Wall receptacle and dispenser. 2,602,700, July 8.

Ryan, Warren E., Grinnell, Iowa. Bale loader. 2,594,221, Apr. 22.

Ryant, Charles J., Jr., assignor to Standard Oil Company, Chicago, Ill. Liquid level indicator. 2,592,744, Apr. 15.

Rybak, William E., Sr., Cleveland, Ohio. Cigar holder. 2,583,235, Jan. 22.

Ryberg, Nils, Stockholm, Sweden. Machine for manufacturing fiberboard. 2,592,470, Apr. 8.

Ryckman, George E., Edgewood, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Decoration stamping machine. 2,612,106, Sept. 30.

Ryckman, William D., Jr., Schenectady, N. Y., assignor to General Electric Company. Wheel slip protective device. 2,592,342, Apr. 8.

Rycroft, Norman, Meriden, assignor to Cornercroft Limited, Coventry, England. Wheel cover securing means. 2,614,001, Oct. 14.

Rydbeck, Gösta, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric lightning arrester. 2,611,107, Sept. 16.

Rydbeck, Gösta, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric lightning arrester. 2,611,108, Sept. 16.

Rydbeck, Gösta, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Lightning arrester arc gap. 2,615,145, Oct. 21.

Rydberg, David R.: *See*—
Holgersson, Sigbjörn P. H. E., Rudberg, and Rydberg.

Rydberg, Folke, Orebro, Sweden. Locking device for threaded machine elements. 2,604,135, July 22.

Rydberg, John A., Stockholm, assignor to Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden. Circulation inducing device for return water connection in heating boilers. 2,608,956, Sept. 2.

Rydberg, John A., Stockholm, assignor to Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden. Heating boiler with heating surface reduced by improved convection. 2,610,941, Dec. 2.

Rydberg, John A., Stockholm, assignor to Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden. Water wall boiler with undulating flue. 2,619,942, Dec. 2.

Ryde, Helge: *See*—
Attering, John W. L., Redin, and Ryde.
Redin, Eric, and Ryde.

Ryde, John W.: *See*—
Brittain, Francis H., Ransley, and Ryde.
Jones, Douglas E., and Ryde.

Rydell, Josef G. A., Minneapolis, Minn. Wind motor. 2,596,726, May 13.

Ryden, Elihu D., Detroit, Mich. Golf scorer. 2,617,592, Nov. 11.

Ryder, Ambrose, Yonkers, N. Y. Bread loaf. 2,608,485, Aug. 26.

Ryder, Edward I., Grand Rapids, Mich. Control device for airplanes. 2,623,718, Dec. 30.

Ryder, Frank A.: *See*—
Collins, Arthur R., Ryder, and Randall.

Ryder, Frank A., Chicago, Ill., and M. H. Weeks, deceased, by F. Weeks, administratrix, Oakland, Calif. Fluid meter. 2,590,275, Mar. 25.

Ryder, Frank A., and D. A. Potter, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Heater combustion control system. 2,596,290, May 13.

Ryder, Frank A., and R. D. Randall, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Electric motor. 2,607,816, Aug. 19.

Ryder, Harry: *See*—
Kershaw, Norman, and Ryder.

Ryder, James C., Fairhaven, Mass., assignor to United Merchants and Manufacturers, Inc., Wilmington, Del. Electric motor control system. 2,613,338, Oct. 7.

Ryder, John D.: *See*—
Boast, Warren B., and Ryder.

Ryder, Thomas J., Jr., Lincoln Park, N. J. Dispensing cap. 2,587,388, Feb. 26.

Rydin, Martin E., Stockholm, Sweden. Counter refrigeration. 2,608,068, Aug. 26.

Rye, Svend O., Charlottenlund, Denmark. Liquid atomizing apparatus. 2,603,533, July 15.

Ryer, August I.: *See*—
Hershberg, Emanuel B., and Ryer.

Ryerson, Clifford M.: *See*—
Plumley, Harold J., and Ryerson.

Ryffel, Albert, and C. P. Rehsteiner, Zurich, Switzerland, assignors to International Business Machines Corporation, New York, N. Y. Perforated-tape control of high-speed tabulating-card punches. 2,595,880, May 6.

Rygård, Sune O., assignor to A B Svenska Flaktfabriken, Stockholm, Sweden. Arrangement for ventilating of railway carriages, buses and similar vehicles. 2,595,370, May 6.

Rykert, Willard C., Hinsdale, assignor to Union Special Machine Company, Chicago, Ill. Electronic seaming machine. 2,583,709, Jan. 29.

Rykert, Willard C., Hinsdale, assignor to Union Special Machine Company, Chicago, Ill. High-frequency tuning apparatus particularly adapted to seamers. 2,596,727, May 13.

Ryland, Junior S., Santa Barbara, Calif. Heated toilet seat. 2,611,415, Sept. 23.

Ry-Lock Company, Ltd., assignee: *See*—
Jensen, Jack H., and Rust.
Rust, David J., and Jensen.

Rylsky, Gregory V., Ridgefield Park, and E. P. Anderson, Teaneck, assignors to Bendix Aviation Corporation, Teterboro, N. J. Electric altimeter. 2,619,572, Nov. 25.

Ryman Engineering Company, assignee: *See*—
Elmes, John A.

Ryman, Oscar E., Maywood, Ill. Cabinet door hinge structure. 2,585,849, Feb. 12.

Rymes, William H., Randolph, Mass., assignor to Raytheon Manufacturing Company. Recording device. 2,623,116, Dec. 23.

Rymland, Murray J., assignee: *See*—
Little, Gordon H.

Rynders, Frank J., Milwaukee, Wis. Unloading device. 2,615,544, Oct. 28.

Ryner, Arthur, London, England, assignor to American Aggregate Company, Kansas City, Mo. Concrete block molding machine. 2,583,597, Jan. 29.

Rypinski, Albert B., Laureiton, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Circuit breaker. 2,601,638, June 24.

Rypinski, Albert B., Laurelton, assignor to Murray Manufacturing Corporation, Brooklyn, N. Y. Panel board. 2,606,957, Aug. 12.

Rypinski, Albert B., Laurelton, assignor to Murray Manufacturing Corporation, Brooklyn, N. Y. Circuit interrupter contact. 2,606,983, Aug. 12.

Rypinski, Albert B., Laurelton, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Circuit controlling device. 2,612,573, Sept. 30.

Rysdon, Max L.: *See*—
Moyer, Richard C., Oliver, and Rysdon.

Ryznar, John W.: *See*—
Kirkpatrick, Willard H., and Ryznar.

Rzeczycki, Joseph, Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Rotor blade damper. 2,616,510, Nov. 4.

Rzeppa, Alfred H., Grosse Pointe, Mich. Constant velocity universal joint. 2,615,317, Oct. 28.

SAIA Aktiengesellschaft fur Schaltapparate, assignee: *See*—
Buser, Theophil.

S. A. T. A. M. Societe Anonyme pour tous Appareillages Mecaniques, assignee: *See*—
Meyer, Jean G. A. M. J.

S & C Electric Company, assignee: *See*—
Baker, Charles H.
Harman, Merlin C.
Kojis, John J.
Lindell, Sigurd I.
Lindell, Sigurd I., and Baker.
Lindell, Sigurd I., and Schultheiss.
McMahon, George F.

SKF Industries, Inc., assignee: *See*—
Palmgren, Per G.
Sandström, Nils J. L.
Doering, William A., and Koenig.

S & S Corrugated Paper Machinery Co., Inc., assignee: *See*—
Hess, Charles.
Roselius, Louis W.
Rullo, Gabriel N.
Shields, Albert F.

S. & W. Fine Foods, Inc., assignee: *See*—

Saal, Reyerus N. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Cement composition. 2,621,132, Dec. 9.

Saalfrank, Royal B.: *See*—
Sheen, Milton R. and R. T., and Saalfrank.
Sheen, Robert T., and Saalfrank.

Saalfrank, Royal B., Gulfport, Fla., assignor to Milton Roy Company, Philadelphia, Pa. Differential bellows pump. 2,613,610, Oct. 14.

Saalfrank, Royal B., Gulfport, Fla., assignor to Milton Roy Company, Chestnut Hill, Pa. Constant delivery pump. 2,620,734, Dec. 9.

Saarinen, Eero, Bloomfield Hills, Mich., assignor to Knoll Associates, Inc., New York, N. Y. Chair having a back rest in the form of a shell-like body. 2,606,601, Aug. 12.

Saarni, Walfrid: *See*—
Moore, Robert J., and Saarni.

Saban, John S., Detroit, Mich. Window bead and fastener therefor. 2,582,654, Jan. 15.

Sabel, Edward R., and E. T. Macey, assignors to The Haloid Company, Rochester, N. Y. Electrophotographic apparatus. 2,600,580, June 17.

Sabel, Edward R., and F. I. Galbrecht, assignors to The Haloid Company, Rochester, N. Y. Fusing device. 2,586,484, Feb. 19.

Saber, Walter, Chicago, Ill. Extensible gate lock. 2,592,956, Apr. 15.

Sabes, Jean, Anzin, France, assignor to Jaruza, Zurich, Switzerland. Counterbalanced shaker conveyer. 2,587,229, Feb. 26.

Sabin Company Gloves, assignee: *See*—
Sabin, Irene E.

Sabin, Irene E., assignor to Sabin Company Gloves, Youngstown, Ohio. Welder's glove. 2,610,326, Sept. 16.

Sabin, Olive A., London, England. Brassière. 2,583,445, Jan. 22.

Sabins, Rolland C., Seattle, Wash. Radio direction finding apparatus. 2,589,578, Mar. 18.

Sabla, Frank J.: *See*—
Oldham, Anthus D., and Sabla.

Sabo, Joseph D.: *See*—
Gray, Benjamin A., and Sabo.

Sabol, George, Jr., and M., Clairton, Pa. Illuminating device for motion-picture projecting or viewing apparatus. 2,589,437, Mar. 18.

Sabol, Michael: *See*—
Sabol, George, Jr., and M.

Saborsky, Arthur D., Bay Village, Ohio. Drying apparatus. 2,606,644, Aug. 12.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid operated reciprocating piston type windshield wiper motor. 2,584,229, Feb. 5.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Variable pitch propeller. 2,588,166, Mar. 4.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Wiper drive arm mechanism. 2,602,950, July 15.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Crank throw adjustment for motion converter mechanisms and the like. 2,603,105, July 15.

Sachanen, Alexander N.: *See*—
Kozacik, Alfred P., and Sachanen.

Sachanen, Alexander N., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Fluorine-containing lubricant. 2,582,283, Jan. 15.

Sachs, Carrol C., North Hollywood, assignor to Alexander H. Kerr & Co., Inc., Los Angeles, Calif. Resin impregnating machine for fabric or like material. 2,611,336, Sept. 23.

Sachs, Carrol C., Sunland, assignor to Alexander H. Kerr & Co., Inc., Los Angeles, Calif. Structural panel forming machine. 2,614,949, Oct. 21.

Sachs, Hans W., Binghamton, assignor to Remington Rand Inc., New York, N. Y. Photographic film processing apparatus. 2,584,294, Feb. 5.

Sachs, Hans W., Binghamton, N. Y., and C. C. Borck, Chicago, Ill., assignors to Remington Rand Inc., Buffalo, N. Y. Drive for continuous processing machines. 2,584,293, Feb. 5.

Sachtleben, Lawrence T., Haddonfield, N. J., assignor to Radio Corporation of America. Adjustable mounting for optical apparatus. 2,604,808, July 29.

Sachtleber, Rudolph, East Orange, N. J. Vehicle jack. 2,587,067, Feb. 26.

Sack, August B., Los Angeles, and M. Kessman, Santa Monica, said Kessman assignor to W. R. Golden, Los Angeles, Calif. Automatic sound reproducer. 2,604,547, July 22.

Sackett, Clarence W., Warren, Ohio. Banding machine. 2,597,675, May 20.

Sackett, Loren C., Highland Park, J. R. Miller, Royal Oak, and R. W. Kelto, assignors to Chrysler Corporation, Highland Park, Mich. Apparatus and method for handling liquids. 2,592,520, Apr. 8.

Sackner Products, Inc., assignee: *See*—
Boersma, Barney, and Parcels.
Cook, Wayne S.
Cook, Wayne S., and Hormuth.
Merrill, Faylon M.
Sackner, Wade E.

Sackner, Wade E., Grand Rapids, Mich., assignor to Sackner Products, Inc. Pad for upholstery and the like. 2,596,292, May 13.

Sacks, Jack, Brooklyn, N. Y. Detachable coupling construction. 2,617,673, Nov. 11.

Sacks, Milton D., New York, N. Y. Children's wheeled toy. 2,590,467, Mar. 25.

Sackter, Melvin: *See*—
Barany, Edmund, and Sackter.
Bauman, Harold W., and Sackter.

Saco-Lowell Shops, assignee: *See*—
Gwaltney, Eugene C.
Shaw, Benjamin C.
Taylor, Merton W.
West, Paul B.

Sacre, Leo D., Park Ridge, Ill., assignor to Motorola, Inc. Tuning mechanism. 2,595,984, May 6.

Sacrey, Elmer P., Syracuse, N. Y. Rotary cutter head with slotted bit seats. 2,591,614, Apr. 1.

Sacrey, Elmer P., Syracuse, N. Y. Hand manipulated power band saw. 2,596,081, May 6.

Sacrey, Elmer P., Syracuse, N. Y. Depth adjustment for motor-driven cutting tools. 2,613,704, Oct. 14.

Sacrey, Elmer P., Syracuse, N. Y. Cutter head sharpening attachment. 2,617,237, Nov. 11.

Sadeck, Marshall, New Bedford, Mass. Device for carrying milk bottles. 2,611,639, Sept. 23.

Sadgebury, Herman F., and R. N. Ward, assignors to The Egry Register Company, Dayton, Ohio. Speed feed manifolding attachment for typewriters. 2,590,652, Mar. 25.

Sadler, Charles W., Essex, Conn. Mortar applicator. 2,591,377, Apr. 1.

Sadler, Gilbert V., Openshaw, Manchester, assignor to The Vaughan Crane Company Limited, West Gorton, Manchester, England. Electric crane and the like. 2,605,313, July 29.

Sadler, Harold W., Hyattsville, Md. Vending machine. 2,621,994, Dec. 16.

Sadler, Luther E., assignor of twenty-five percent to B. R. Bentley, Los Angeles, Calif. Apparatus for stunning or killing animals. 2,588,770, Mar. 11.

Sadwith, Howard M., Plainfield, assignor to Industrial Washing Machine Corporation, New Brunswick, N. J. Washing machine for baking utensils. 2,598,074, May 27.

Saecker, Carleton E., Closter, N. J. Bookholder. 2,599,416, June 3.

Saeks, Reuben R.: *See*—
Carson, Richard M., and Saeks.

Saenz, George E., Mercedes, Tex. Pastry shell frying machine. 2,603,143, July 15.

Saeurefabrik Schweizerhall, assignee: *See*—
Frey, Walter, and Boller.

Safer, Louis T., Los Angeles, Calif. Easel. 2,582,070, Jan. 8.

Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Dodds, Robert B.

Safety-Fuel Incorporated, assignee: *See*—
Laliberte, Albert J.

Safety Hydraulics Company, assignee: *See*—
Goodell, Guy C., Jr.

Saff, Adrian F., and D. W. Uber, Kane, Pa. Rolling contact measuring device. 2,591,615, Apr. 1.

Saffir, Jacob A., Los Angeles, Calif. Artificial teeth. 2,613,439, Oct. 14.

Saffir, Jacob A., Los Angeles, Calif. Hypodermic solution container. 2,619,088, Nov. 25.

Safir, Sidney R.: *See*—
Winsten, Walter A., Katz, and Safir.

Safford, Moyer M.: *See*—
Di Giorgio, Philip A., and Safford.

Saffran, Otto W. F.: *See*—
Cramer, Friedrich W., and Saffran.

Safrin, Leopold, and F. W. Volz, Philadelphia, Pa., assignors to Wilson & Co., Inc. Soap compositions and soap flakes. 2,595,300, May 6.

Safstrom, Alden L., South Gate, Calif. Vertically adjustable table. 2,599,020, June 3.

Saftien, Karl, and A. Vilsmeier, Ludwigshafen-on-the-Rhein, Germany. Vat dyestuffs of the pyranthrone series. 2,603,644, July 15.

Saf-T-Visi Gauge Corporation, assignee: *See*—
Biscoe, Percival H.

Safway Steel Products, Inc., assignee: *See*—
Anderson, Arvid A.
Grosch, George S.
Roney, John F.

Sagalyn, Paul L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical circuit for producing coding pulses. 2,600,268, June 10.

Sage, Herbert R., Sr., Glendale, Calif. Cosmetic applicator. 2,606,565, Aug. 12.

Sage, John, Flushing, N. Y. Mouthpiece device. 2,600,025, June 10.

Sage, Veda M., Panama City, Fla., and I. C. Plant, Arlington Heights, Ill. Extensible bolster roll. 2,593,056, Apr. 15.

Sagen, Gunnar, Copenhagen, Denmark. Regeneration of chromic acid baths utilized in electrodeposition of chromium. 2,600,171, June 10.

Sager, Irving, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Line pulse modulator. 2,595,301, May 6.

Sager, Robert H., Willoughby, Ohio. Device for facilitating the starting of engines. 2,585,850, Feb. 12.

Sager, Wayne L., Grand Rapids, Mich. Pot and pan mounting apparatus. 2,608,305, Aug. 26.

Sager, William C., Jr.: *See*—
Wehr, Henry W., Jr., and Sager.

Saginaw Products Corporation, assignee: *See*—
Stewart, Colin W.

Sahlin, Börje, Stockholm, Sweden, and E. E. Jansson, deceased, Bofors, Sweden, by H. Nyqvist, executor, assignors to Aktiebolaget Bofors, Bofors, Sweden. Pivoted breech block locking mechanism. 2,609,731, Sept. 9.

Sahlin, Henry, Birmingham, Mich. Loading and unloading apparatus. 2,609,776, Sept. 9.

Sahs, Leonard J., Hamburg, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Liquid cooler and evaporator coil therefor. 2,594,502, Apr. 29.

Sahyun, Melville, St. Johns, Mich. Dialkylammoalkyl esters of phenyl halogenated ortho-hydroxybenzoic acids. 2,584,160, Feb. 5.

Sahyun, Melville, St. Johns, Mich. Beta-diethylaminoethyl 3-phenyl-2-hydroxybenzoate mandelate. 2,594,350, Apr. 29.

Saigh, Fred M., Jr., St. Louis, Mo. Coin-controlled vending machine. 2,607,463, Aug. 19.

Sailer, Josef, Maschinenfabrik, assignee: *See*—
Buder, Karl.

Sailer, Norris H.: *See*—
Turner, Edgar P., and Sailer.

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Waterproof sweatband for hats. 2,584,094, Jan. 29.

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. French seaming attachment for sewing machines. 2,612,855, Oct. 7.

Sainsbury, John, Detroit, and W. E. Hennells, Belleville, assignors to Ross Operating Valve Company, Detroit, Mich. Valve. 2,611,391, Sept. 23.

St. Clair Machine Products Company, assignee: *See*—
Spang, William H.

St. Clair, Theodore A.: *See*—
Grahling, Walter C., and St. Clair.
Eddy, William R., and St. Clair.

St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pressure sealed relief valve. 2,614,582, Oct. 21.

St. Clair, Theodore A., assignor to The Weatherhead Company, Cleveland, Ohio. Rotary liquid level gauge. 2,618,975, Nov. 25.

St. Clair, Theodore A., Pontiac, Mich., assignor to Phillips Petroleum Company. Relief valve. 2,608,210, Aug. 26.

St. Cyr, Louis: *See*—
Sutton, Robert W., and St. Cyr.

St. Hilaire, Albert B., assignor to La Societe "Pyral" S. A. R. L., Paris, France. Apparatus for the manufacture of phonographic disks. 2,594,364, Apr. 29.

St. Hilaire, Albert B., assignor to La Societe "Pyral" S. A. R. L., Paris, France. Manufacture of phonographic disks. 2,594,365, Apr. 29.

St. Jean, Paul J., and W. Pruitt, assignors to Lawrence Products Company, Inc., Attalla, Ala. Machine for weaving loops into fabrics. 2,609,004, Sept. 2.

St. John, Ercell E., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Direct-current to alternating-current signal converter. 2,600,172, June 10.

St. John, Dudley, Fresno, Calif. Method and apparatus for photogrammetrically constructing topographical maps. 2,608,763, Sept. 2.

St. John, Willard M.: *See*—
Uraneck, Carl A., St. John, Fryling, and Troyan.

St. John, Willard, Birnamwood, Wis. Combined meter socket and circuit interrupting device. 2,606,232, Aug. 5.

St. John, Willard M., Jr.: *See*—
Uraneck, Carl A., Tucker, and St. John.

St. John, Willard M., Jr., and C. A. Uraneck, Borger, Tex., assignors to Phillips Petroleum Company. Emulsion polymerization at low temperatures. 2,615,000, Oct. 21.

St. Joseph Lead Company, assignee: *See*—
Bain, Charles K.
Havenhill, Robert S., and Carlson.

St. Lawrence, Oliver H., Fairview, assignor to M. E. Whitcomb, Holyoke, Mass. Printing and cutting die. 2,619,897, Dec. 2.

St. Lawrence Paper Mills Company Limited, assignee: *See*—
Ehrensperger, Hans.

St. Louis Metalcrafts, Inc., assignee: *See*—
Dingeldein, Karl A.

St. Louis, Rudolph A., Boston, Mass. Swing and support therefor. 2,598,618, May 27.

St. Lucas, Frank J., Omaha, Nebr. Engine stop device. 2,600,810, June 17.

St. Maurice, Armand, and J. S. Candella, Niagara Falls, N. Y. Combined fuel and brake control for automobiles. 2,586,111, Feb. 19.

St. Onge, Edward H., Dearborn, Mich. Baler. 2,586,736, Feb. 19.

St. Paul Foundry & Manufacturing Co., assignee: *See*—
Anderson, Abner L.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Sinker cap. 2,580,971, Jan. 1.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Sinker cap and operating mechanism. 2,582,465, Jan. 15.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting needle. 2,603,958, July 22.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Yarn feed assembly. 2,604,769, July 29.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Dial. 2,607,206, Aug. 19.

St. Pierre, Henry, Worcester, Mass. Cross chain for tire chains. 2,597,762, May 20.

St. Pierre, Henry, Worcester, Mass. Cross chain for tire chains. 2,601,883, July 1.

St. Pierre, Henry, Worcester, Mass. Tire chain tightener. 2,612,670, Oct. 7.

St. Pierre, Paul L., assignor to Hemphill Company, Pawtucket, R. I. Knitting. 2,585,597, Feb. 12.

St. Regis Paper Company, assignee: *See*—
Burroughs, Edwin E.
Dorrington, Neill E., Dyker, and Peterson.
Grimm, Richard J.
Kutik, Louis F.
Lee, Harry E.
Lienart, Marcel.
Linda, Frank R.
Massey, Peter J., and Goodwill.
Peterson, William R.
Peterson, William R., and Hartman.
Rhodes, Herman S.
Simonton, Budd E.

Saito, Haruhiro, Tokyo, Japan, assignor to I. B. Wolfset & Co., New York, N. Y. Animated mechanical toy. 2,591,469, Apr. 1.

Salves, Leon, assignor to Regie Nationale des Usines Renault, Billancourt, France. Device for automatic power transmission. 2,600,269, June 10.

Sakarash, William: *See*—
McMillin, James R., and Sakarash.

Sakirsky, Jack, Bridgeport, Conn., assignor to J. B. Lew, Brooklyn, N. Y. Lighting outfit subassembly machine. 2,600,694, June 17.

Sakols, Sidney, Baltimore, Md. Illuminated magnifying lens. 2,586,723, Feb. 19.

Saks, Walter R., Forest Hills, N. Y. Producing flocked articles. 2,592,602, Apr. 15.

Sala, Paolo, Milan, Italy. Remote operated multiple element double break switch. 2,616,998, Nov. 4.

Salaman, George, Brighton, England. Device for hanging or gripping garments. 2,623,667, Dec. 30.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Composition for oil well cementing. 2,582,459, Jan. 15.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Aqueous drilling mud compositions. 2,623,851, Dec. 30.

Salatin, David C., Anderson, Ind. Combined hose reel and lawn sprinkler. 2,602,696, July 8.

Salé, Pierre, A La Demi-Lune, and J. A. Trillat, Lyon, assignors to Societe Rhodiaceta, Paris, France. Apparatus for spinning solutions of high polymers. 2,589,870, Mar. 18.

Sale, Walter M.: *See*—
Rosenkrans, Frank A., and Sale.

Salem, Anthony J., Boston, Mass. Frying hood. 2,623,516, Dec. 30.

Salem Brosius, Inc., assignee: *See*—
Buckholdt, Robert E.

Salem Tool Company, The, assignee: *See*—
Weikart, Harry L.

Salenger, Oscar, assignee: *See*—
Maiter, Bernard T.

Salerni, Laura P. F. L., assignee: *See*—
Salerni, Piero M.

Salerni, Piero M., Cox Green, England, assignor to L. P. F. L. Salerni, Dublin, Eire. Rotary torque converter of the impeller turbine reactor type. 2,585,851, Feb. 12.

Salerno, George F., Wilmette, and J. R. Brandt, assignors to Salerno Machinery Company, Chicago, Ill. Device for loading articles into containers. 2,599,487, June 3.

Salerno Machinery Company, assignee: *See*—
Salerno, George F., and Brandt.

Salfisberg, Charles M.: *See*—
Salfisberg, Leroy L. and C. M.

Salfisberg, Leroy L., South Orange, assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J. Power-operated hydraulic sealer and crimper. 2,584,815, Feb. 5.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package with cover or support therefor. 2,589,735, Mar. 18.

Salfisberg, Leroy L., deceased, South Orange; H. G. Kopald and L. I. Volckening, executors, assignors to Ivers-Lee Company, Newark, N. J. Vented package. 2,595,708, May 6.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Article gauging and sorting mechanism. 2,601,920, July 1.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Making sealed packages. 2,606,412, Aug. 12.

Salfisberg, Leroy L., deceased, South Orange, N. J., by H. G. Kopald, New York, N. Y., and L. I. Volckening, Glen Ridge, executors, and C. M. Salfisberg, South Orange, assignors to Ivers-Lee Company, Newark, N. J. Feed roller for packaging machines. 2,608,405, Aug. 26.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Method of and machine for making and filling packages for fluent substances. 2,612,738, Oct. 7.

Salg, Arnold J., Shakopee, Minn. Artificial bait. 2,593,199, Apr. 15.

Salido, Juan G., Central Preston, Cuba. Fruit peeler. 2,602,481, July 8.

Salin, Ewald, New York, N. Y. Squaring carpenter's saw. 2,592,745, Apr. 15.

Salsbury Corporation, assignee: *See*—
Thostenson, Lewis D.

Salisbury, Eva L., assignee: *See*—
Dowdell, Sidney M., and Giovanella.

Salisbury, Mack L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Printed circuit panel with connector. 2,603,681, July 15.

Salisbury-Rowswell, Pelham, London, England. Secondary galvanic cells and electrodes of such cells. 2,609,407, Sept. 2.

Salisbury, Winfield W.: *See*—
Otis, Eleanor G., and Salisbury.

Salisbury, Winfield W., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Absorbent body for electromagnetic waves. 2,599,944, June 10.

Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Electron tube of the high-frequency and high-power type. 2,591,012, Apr. 1.

Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Thermoelectric power generator. 2,597,752, May 20.

Salisbury, Winfield W., Cedar Rapids, Iowa, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Power divider circuit. 2,605,357, July 29.

Salle, Anthony J., West Los Angeles, and H. L. Guest, Glendale, Calif. Iodine solution comprising an oxidation-reduction system. 2,585,965, Feb. 19.

Salmet, Gaston, Courbevoie, assignor to Societe Industrielle des Procedes Loth, Paris, France. Amplifying circuit arrangement with periodically varying load connected in the cathode circuit. 2,616,987, Nov. 4.

Salmivuori, Johannes E., Helsingfors, Finland, assignor to Aktiebolaget Addo, Malmo, Sweden. Cylinder lock. 2,613,528, Oct. 14.

Salmon, Albert E.: *See*—
Spencer, Thomas, and Salmon.

Salmon, Edward L.: *See*—
Rockey, Benjamin W., and Salmon.

Salmon, Reginald D., assignor, by mesne assignments, to Creed and Company, Ltd., Croydon, England. Typewheel arresting mechanism for printing telegraph apparatus. 2,583,017, Jan. 22.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph receiver. 2,585,041, Feb. 12.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,615,980, Oct. 28.

Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Keyboard controlled telegraph apparatus. 2,623,118, Dec. 23.

Salmon, Reginald D., and F. J. L. Turner, Croyden, assignors to Creed and Company Limited, Croydon, Surrey, England. Printing telegraph receiver. 2,593,489, Apr. 22.

Salmon, Reginald D., and A. A. Kirchel, assignors to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,605,353, July 29.

Salmon, Vina W., Deadwood, S. Dak. Emergency brake reminder. 2,604,066, July 22.

Salmond, Alexander H., and T. Donluck, Victoria, British Columbia, Canada. Pipe coupling. 2,581,047, Jan. 1.

Salmonese, Lui, Portland, Oreg. Lawn sprinkler. 2,607,625, Aug. 19.

Salo, Torsti P., Cambridge, and D. F. Waugh, Belmont, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Preparation of collagenous materials. 2,598,608, May 27.

Salomone, Rynold A.: *See*—
Hammerly, Herman J., Turton, and Salomone.

Salt, Francis E.: *See*—
Hawkins, Edwin G. E., and Salt.
Highet, Hugh C., and Salt.
Highet, Hugh C., Salt, and Stanley.

Salt, Francis E., Banstead, W. Webster, Epsom, England, and E. Galitzenstein, deceased, London, England, by G. Galitzenstein, legal representative, Wallington, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of styrene compounds. 2,609,403, Sept. 2.

Salt Water Control, Inc., assignee: *See*—
Erwin, Ransome W.

Salter, Frank S.: *See*—
Henschker, Erhard, and Salter.

Salter, George, & Co. Limited, assignee: *See*—
Bache, John K.

Salter, Thomas B., Wichita, Kans., assignor to Cessna Aircraft Company. Resilient strut for aircraft landing gears and the like. 2,597,265, May 20.

Salter, William D., and O. L. Smith, assignors to Weldit, Incorporated, Detroit, Mich. Pressure regulator with interengaging piston and seat insert. 2,618,908, Nov. 25.

Salton, Lewis L., assignee: *See*—
Garik, Serge.

Saltzman, Allen J., Milwaukee, Wis. Interchangeable tripod foot tip. 2,612,335, Sept. 30.

Salvin, Victor S.: *See*—
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Edwards.

Salvin, Victor S., Irvington, N. J., assignor to Celanese Corporation of America. Dyeing cellulose acetate articles using a bath comprising a dispersed acetate dye, ethylene glycol monobutyl ether, and an emulsion of polymethyl vinyl ketone. 2,601,460, June 24.

Salvin, Victor S., Irvington, and A. B. Conciatori, Chatham, N. J., assignors to Celanese Corporation of America, New York, N. Y. Making certain hydrolyzed 2,3-dicyano-anthraquinone dyestuffs and disperse dye compositions comprising them. 2,602,721, July 8.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America. Azo dyestuffs. 2,606,898, Aug. 12.

Salvo Chemical Corporation, assignee: *See*—
Schoeffel, Eugene W.

Salsano, Michael, Jersey City, N. J. Cigarette carton opener. 2,595,815, May 6.

Salzberg, Bernard, Washington, D. C. Modulation. 2,583,598, Jan. 29.

Salzberg, Edward, Roxbury, Mass. Apparatus for testing automatic storage battery chargers. 2,582,460, Jan. 15.

Salzer, Walter: *See*—
Goth, Erich, and Salzer.

Salzer, Walter, Wuppertal-Barmen, and E. Goth, Wuppertal-Elberfeld, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y. Producing thiosemicarbazones. 2,621,209, Dec. 9.

Sam, Sam W.: *See*—
Victor, Samuel.

Sam, Sam W., Chicago, Ill. Lace. 2,580,843, Jan. 1.

Sam, Sam W., Chicago, Ill. Key case. 2,580,844, Jan. 1.

Sam, Sam W., Chicago, Ill. Key case. 2,580,845, Jan. 1.

Sam, Sam W., Chicago, Ill. Cotton-picking finger. 2,602,278, July 8.

Sam, Sam W., Chicago, Ill. Fingernail mounting for writing instruments. 2,603,519, July 15.

Sam, Sam W., Chicago, Ill. Tooth cleaner. 2,612,176, Sept. 30.

Samain, Jacques, Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Record card sorting device. 2,618,386, Nov. 18.

Samans, Walter A., Philadelphia, Pa., and W. B. Weaver, Blooming Rose, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Shaping device. 2,609,048, Sept. 2.

Samaras, Stephen, assignor to Samaras Valve Corporation, Oakland, Calif. Valve structure for faucets. 2,589,630, Mar. 18.

Samaras Valve Corporation, assignee: *See*—
Samaras, Stephen.

Sambleson, Robert F., Bridgeport, Conn., assignor to General Electric Company. Touch adjustment for electric control devices. 2,581,207, Jan. 1.

Samcoe Holding Corporation, assignee: *See*—
Cohn, Samuel and W.
Cohn, Samuel, and Walter.
Cohn, Samuel, Walter, and Cohn.
Walter, Jules G.
Walter, Jules G., and Cohn.

Samdahl, Russell H., Black River Falls, Wis. Automotive trailer hitch. 2,614,860, Oct. 21.

Samet, Frank I., New York, N. Y. Toy with magnetically controlled response. 2,618,099, Nov. 18.

Samford, Eugene W.: *See*—
Hager, John I., and Samford.

Samica Corporation, assignee: *See*—
De Senarclens, Gérard.

Samiran, David, Dayton, Ohio. Fuel servicing nozzle. 2,580,466, Jan. 1.

Samiran, David, Fort Wayne, Ind. Multitank aircraft fuel system. 2,580,467, Jan. 1.

Samiran, David, Fort Wayne, Ind. Continuous flow multiple tank fuel. 2,612,216, Sept. 30.

Samler, Lee F., Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Tape extrusion. 2,602,187, July 8.

Sammons, Francis W., White Plains, N. Y. Apparatus for scheduling and following production operations. 2,585,042, Feb. 12.

Sammons, Francis W., White Plains, N. Y. Attack defeating combination lock. 2,587,654, Mar. 4.

Sammons, Herbert F., La Crescenta, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Liquid and vapor control valve. 2,591,880, Apr. 8.

Sammons, John H., Wichita Falls, Tex. Supercharger for internal-combustion engines. 2,594,686, Apr. 29.

Samoggia, Antonio, Bologna, Italy. Portable stereoscopic camera for the photography of inverted images. 2,601,817, July 1.

Samotey, John, Brooklyn, N. Y. Gauge. 2,617,199, Nov. 11.

Sampatacos, Peter M., assignor to The Torrington Manufacturing Company, Torrington, Conn. Machine for twisting fan spiders. 2,611,414, Sept. 23.

Sampietro, Achilles C.: *See*—
Sampietro, Achille C.

Sampietro, Achille C., known as Achilles C. Sampietro, assignor to D. R. Robertson Limited, London, England. Rotary annular electromagnet. 2,583,124, Jan. 22.

Sampietro, Achille C., known as A. C. Sampietro, assignor to D. R. Robertson Limited, London, England. Cooling means for clutches and brakes. 2,622,216, Dec. 16.

Sample, Basil S.: *See*—
Nichols, Charles A., Bower, Weiser, Edwards, Fletcher, McCoy, and Sample.

Sampogna, Joseph, Yonkers, N. Y. Antiskid device. 2,591,300, Apr. 1.

Sampsel Time Control, Inc., assignee: *See*—
Bowland, Charles R., and Crick.

Sampson, Alvin G., Decorah, Iowa. Pneumatic sheet separating device. 2,595,546, May 6.

Sampson, Charles T., Wilberforce, Ohio. Fishhook. 2,591,013, Apr. 1.

Sampson, Frederick W.: *See*—
Harris, Edward P., and Sampson.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,615,310, Oct. 28.

Sampson, Frederick S., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical connection fastener. 2,599,488, June 3.

Sampson, Frederick S., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical connection for strip conductors. 2,623,086, Dec. 23.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Turning signal device for automotive vehicles. 2,596,440, May 13.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Steering wheel. 2,623,405, Dec. 30.

Sampson, Frederick W., and E. P. Harris, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Apparatus for forming tubing. 2,620,514, Dec. 9.

Sampson, George O.: *See*—
Trelease, Richard D., Sampson, and Alstrand.

Sampson, Herman J., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High-pressure reaction of carbon monoxide with hydrazine. 2,589,289, Mar. 18.

Sampson, Herman J., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of carbon monoxide and hydrazine and product thereof. 2,589,290, Mar. 18.

Sampson, Sam, Hewlett, N. Y., assignor to Swank, Inc. Necktie rack. 2,615,579, Oct. 28.

Sampson, Walter J.: *See*—
Walters, William M., Jr., and Sampson.

Sampson, William, Aldwych, London, England, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Lined furnace wall. 2,591,723, Apr. 8.

Sampson, William, Aldwych, London, England, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Steam boiler. 2,598,723, June 3.

Sams, Herbert W., Atlanta, Ga., assignor to Scripto, Inc. Pencil attachment for dialing telephones. 2,601,129, June 17.

Sams, Herbert W., and J. S. Smith, Jr., Atlanta, Ga., assignors to Scripto, Inc. Mechanical writing instrument. 2,595,001, Apr. 29.

Samuel, Arthur L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Cathode-ray tube screen treatment. 2,597,383, May 20.

Samuel, Arthur L., Champaign, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission. 2,605,323, July 29.

Samuel, Charles A., Forest Park, Ill. Hydraulic cylinder piston. 2,598,609, May 27.

Samuel Stamping & Enameling Company, assignee: *See*—
Shelton, Roy, and Rowden.

Samuels, Abe O., assignor to Casco Products Corporation, Bridgeport, Conn. Heating pad. 2,590,212, Mar. 25.

Samuels, Abe O., and S. Kahn, Bridgeport, Conn., assignors, by mesne assignments, to Maryland Devices, Inc., Baltimore, Md. Controllable spray dispenser. 2,598,308, May 27.

Samuels, Samuel: *See*—
Baer, Walter S., Sr., and Samuels.

Samuels, Samuel, Philadelphia, Pa. Safety wall cushion. 2,606,755, Aug. 12.

Samuels, Sherwood C., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Stabilization of furfural with dimethylformamide. 2,615,028, Oct. 21.

Samuelson, Charles T., Houston, Tex. Submersible deep-water drilling apparatus. 2,589,146, Mar. 11.

Samuelson, Hans O., Gothenburg, assignor to Mo och Domsjö Aktiebolag, Örnsköldsvik, Sweden. Making alkali cellulose. 2,592,746, Apr. 15.

Samuelson, Richardson C., assignee: *See*—
Clinton, Otto M.

Samuelson, Robert E., Chicago, Ill., assignor to The Hallicrafters Co. Tuning apparatus for electronic equipment. 2,611,858, Sept. 23.

Sanborn, Arthur H., and A. A. Giesen, Chicago, Ill.; said Sanborn assignor to said Giesen. Material distributing apparatus. 2,616,766, Nov. 4.

Sanborn Company, assignee: *See*—
Rappaport, Maurice B.

Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Base construction for dispensers. 2,584,927, Feb. 5.

Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Bellows seal for beverage dispensers. 2,607,448, Aug. 19.

Sanborn, Frank E., assignor to The Dole Valve Company, Chicago, Ill. Heat transfer member. 2,607,519, Aug. 19.

Sanborn, Paul H., Parkersburg, W. Va. Insulator. 2,590,893, Apr. 1.

Sanborn, Paul H., Parkersburg, W. Va. Electrical conductor. 2,590,894, Apr. 1.

Sanchez, Daniel J., Rensselaer, N. Y. Baby plate. 2,588,990, Mar. 11.

Sanchez, Marcial M., Alamogordo, N. Mex. Magnetic tool. 2,605,658, Aug. 5.

Sanchez-Perez, Jesus M., assignors of one-tenth to M. I. Sanchez-Perez, Beverly Hills, Calif. Serial roentgenography. 2,617,944, Nov. 11.

Sanchez-Perez, Miriam I., assignee: *See*—
Sanchez-Perez, Jesus M.

Sanchis, Jose, Newark, N. J. Desk type penholder and inkstand. 2,591,616, Apr. 1.

Sand, Haakon, Zumbrota, Minn. Comb cleaning device. 2,593,200, Apr. 15.

Sanda, Laddie A., assignor to Soreng Manufacturing Corporation, Chicago, Ill. Wire terminal connector. 2,617,844, Nov. 11.

Sandahl, Charles L., Jr., and J. O. Hopkins, Austin, Tex., assignors, by mesne assignments, to Parking Meter Advertising Company of Memphis and Nashville, Tenn. Parking meter advertising device. 2,616,196, Nov. 4.

Sandberg, Oscar, Defiance, Ohio, assignor to Lynch Corporation, Anderson, Ind. Package end sealing mechanism. 2,590,127, Mar. 25.

Sandberg, Oscar, Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Wrapping generally cylindrically shaped articles. 2,590,128, Mar. 25.

Sandberg, Oscar, Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Package wrapping mechanism. 2,603,048, July 15.

Sandberg, Oscar, Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Conveyer and transfer mechanism for wrapping machines. 2,614,670, Oct. 21.

Sandberg, Oscar, Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Package wrapping mechanism. 2,623,339, Dec. 30.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Heat exchanger. 2,585,043, Feb. 12.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Resilient batt cutting machine. 2,585,852, Feb. 12.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hand pull brake lever assembly. 2,606,458, Aug. 12.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Straight pull brake lever assembly. 2,608,881, Sept. 2.

Sander, Albert, assignor to Th. Goldschmidt A. G., Essen, Germany. Preparation of 2-mercapto-arylene-thiazole-6-sulphonic acids and salts thereof. 2,593,800, Apr. 22.

Sander, Albert, assignor to Th. Goldschmidt, A. G., Essen, Germany. 2 - n - alkylmercapto - benzothiazole derivatives and preparing the same. 2,617,807, Nov. 11.

Sander, Vernon A., assignor to W. N. Matthews Corporation, St. Louis, Mo. Current limiter. 2,619,565, Nov. 25.

Sanderlin, Ralph C., and F. M. Grant, Grand Prairie, assignors to J. E. Bush, Dallas, Tex. Operating handle. 2,605,648, Aug. 5.

Sanders, Carl W., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for processing canned foods and the like. 2,605,969, Aug. 5.

Sanders, Charles M., Glenview, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,617,598, Nov. 11.

Sanders, Clifford E., Maplewood, Mo., assignor, by decree of distribution, to L. K. Sanders. Invalid lift and transfer apparatus. 2,587,068, Feb. 26.

Sanders, Clifton D., McCormick, S. C. Mortising machine. 2,622,638, Dec. 23.

Sanders, Earl V., Pawnee, Ill. Aircraft adjustable lift-propeller cradle. 2,611,554, Sept. 23.

Sanders, Ellmore F., and E. L. Mundell, assignors to Jensen-Salsbery Laboratories, Inc., Kansas City, Mo. Hog cholera vaccine and preparing the same. 2,618,585, Nov. 18.

Sanders, Frank A., New York, N. Y. Three-height vertically adjustable table. 2,602,011, July 1.

Sanders, Herbert L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of colloidal barium sulfate. 2,597,384, May 20.

Sanders, Herbert L., Phillipsburg, N. J., and W. J. Maxcy, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Detergent composition. 2,601,329, June 24.

Sanders, Herbert L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Liquid detergent composition. 2,618,607, Nov. 18.

Sanders, Herbert L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Tetraborate detergent composition and making the same. 2,623,856, Dec. 30.

Sanders, Herbert L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quaternary ammonium salts. 2,623,870, Dec. 30.

Sanders, Isador, Chicago, Ill. Arm sling. 2,594,809, Apr. 29.

Sanders, John F., Jonesboro, N. C. Animal restraining device. 2,595,302, May 6.

Sanders, Joseph J., Philadelphia, Pa. Chip breaker relief grinding fixture. 2,585,966, Feb. 19.

Sanders, Joseph J., Philadelphia, Pa. Grinding fixture for single point tools. 2,600,432, June 17.

Sanders, Lawrence C., Seattle, Wash., assignor to the United States of America as represented by the Secretary of the Army. Traction dynamometer. 2,617,294, Nov. 11.

Sanders, Lillie K.: *See*—
Sanders, Clifford E.

Sanders, Louis S., assignee: *See*—
McIntosh, Maurice D.

Sanders, Marshall T.: *See*—
Buck, Frank H., Luskin, and Sanders.

Sanders, O. W., assignee: *See*—
Madder, Harold B.

Sanders, Philip F., Lima, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making insulated electrical conductors. 2,606,134, Aug. 5.

Sanders, Robert W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Gain control apparatus. 2,585,044, Feb. 12.

Sanders, Robert W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Audio signal tone control. 2,593,490, Apr. 22.

Sanders, Theodorus P. W.: *See*—
Buskes, Willem M., Sanders, Vallen, and Hutgens.

Sanders, Wilbur E.: *See*—
Beringer, George E., and Sanders.

Sanders, Wilburn C., Grandview, Tex. Gas by-pass for crude oil storage tanks. 2,592,072, Apr. 8.

Sanderson, Earlie C., Wallace, N. C. Repeating magazine slingshot. 2,596,870, May 13.

Sanderson, George P., London, England. Current production, sales, inventory, or like indicator. 2,593,348, Apr. 15.

Sanderson, Gunnar, McKeesport, Pa., assignor to United States Steel Company. Movable jaw chucking device. 2,594,503, Apr. 29.

Sanderson, Kenneth E., assignor to Draper Corporation, Hopedale, Mass. Loom filling feeler. 2,593,614, Apr. 22.

Sanderson, Leonard W., Toronto, Ontario, Canada. Intermittent mechanism. 2,585,687, Feb. 12.

Sanderson, Robert T., Gainesville, Fla., assignor to The Texas Company, New York, N. Y. Tetrathioethers of pentaerythritol. 2,602,050, July 1.

Sanderson, Thomas E. F., Ruislip, assignor to Adrema Limited, London, England. Addressing and like printing machines. 2,583,188, Jan. 22.

Sanderson, Wayne M.: *See*—
Loomis, Martin, and Sanderson.

Sandford, Wesley, Berkeley, Calif. Selective combination salt-and-pepper shaker. 2,618,404, Nov. 18.

Sandham, John: *See*—
Jordan, Henry L., Preston, and Sandham.

Sandin, Jerome: *See*—
Grissinger, George G., Lindstrom, and Sandin.

Sandin, Jerome: *See*—
Lindstrom, Ture, Sandin, and Rawlins.

Sandin, Ray C., Oak Park, and T. M. Steinbach, Chicago, Ill., assignors to Hotpoint Inc. Illuminated backsplasher for electric ranges. 2,609,475, Sept. 2.

Sandlin, Hansford L.: *See*—
Kalichevsky, Vladimir A., and Sandlin.

Sandmark, Helge O. A.: *See*—
Grusell, Anders E., Sandmark, and Hysing.

Sandona, Urano, San Francisco, Calif. Well digging tool. 2,604,709, July 29.

Sandor, Florence M. A., executrix: *See*—
Sandor, Nicholas.

Sandor, George N., Mexico City, Mexico. Preparing concentrated vat acids. 2,590,213, Mar. 25.

Sandor, Nicholas, deceased, Surbiton, England; F. M. A. Sandor, executrix of said N. Sandor. Device for use in washing the hair. 2,601,225, June 24.

Sandora, Manuel A., San Francisco, Calif. Spraying device for heat fusible material. 2,604,356, July 22.

Sandora, Manuel A., San Francisco, and C. E. Freeman, San Carlos, assignors to C. E. Freeman Co., Inc., San Francisco, Calif. Manifold for molten material spray guns. 2,594,222, Apr. 22.

Sandorff, Paul E., Burbank, and H. W. Foster, Los Angeles, Calif. Apparatus for counting blood corpuscles. 2,584,052, Jan. 29.

Sandoz A. G., assignee: *See*—
Grandjean, Philippe.
Hofer, Kurt.
Ischer, Hans.
Lüscher, Ernst, and Engeloch.
Peter, Albin, and Frey.
Stol, Arthur, and Rutschmann.
Von Allmen, Samuel, and Eggenberger.
Wehrli, Walter, and Steinemann.

Sandoz Limited, assignee: *See*—
Frisch, Franz.
Hemmi, Hans M.
Hemmi, Hans M., and Trefzer.
Iselin, Ernst, and Wehrli.
Kartaschoff, Valentin, and Merian.
Neier, Reinhard, and Wehrli.
Stoll, Arthur, Hofmann, Jucker, Petrzilka, Rutschmann, and Troxler.
Wehrli, Walter.

Sandrock, Paul W.: *See*—
Fratz, George C., and Sandrock.

Sands, Asa D., Camden, N. J. Safety valve. 2,623,725, Dec. 30.

Sands, Charles T., Jr., Baltimore, Md. Lighting unit for airfields. 2,596,603, May 13.

Sands, Earl E., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Weedhook for plows. 2,615,382, Oct. 28.

Sands, Henry F., Cranston, R. I. Portable door holder. 2,595,709, May 6.

Sands, Henry F., Cranston, R. I. Steering rudder. 2,597,189, May 20.

Sands, Matthew L., Everett, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electroplating control system. 2,584,816, Feb. 5.

Sands, William F., Haddonfield, N. J., assignor to Radio Corporation of America. Loop antenna input circuits. 2,589,736, Mar. 18.

Sands, William J., and A. Greer, Belfast, Northern Ireland, assignors to Harry Ferguson, Inc., Detroit, Mich. Steered tractor mounted cultivator. 2,604,835, July 29.

Sandstrom, Charles O., Los Angeles, Calif. Evaporator. 2,602,644, July 8.

Sandström, Edvin G. F., Motala, Sweden. Pivoted jaw piece for pliers. 2,603,995, July 22.

Sandstrom, Nils G., assignor to Erie City Iron Works, Erie, Pa. Boiler. 2,606,535, Aug. 12.

Sandström, Nils J. L., Goteborg, Sweden, assignor to SKF Industries, Inc., Philadelphia, Pa. Adjustable gauge. 2,584,741, Feb. 5.

Sandström, Sten G.: *See*—
Lundblück, Sven V., and Sandström.

Sandusky, John W.: *See*—
Uotila, Gus, and Sandusky.

Sandvikens Jernverks Aktiebolag, assignee: *See*—
Höglund, Stig P. G.

Saner, William R.: *See*—
Alles, Francis P., and Saner.

Saner, William R., Plainfield, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic elements with light-filtering layers. 2,606,834, Aug. 12.

Sanford, Alfred F., II: *See*—
Sanford, Hugh W., Jr., and A. F., II.

Sanford, Charles H., New York, N. Y. Spoon with a base. 2,592,192, Apr. 8.

Sanford, Gilbert J.: *See*—
Boeddinghaus, Hugo P., Freyer, and Sanford.
Freyer, Bela, and Sanford.

Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Mine car sealing device. 2,602,404, July 8.

Sanford, Hugh W., and W. P. Biddle, Jr., Knoxville, Tenn.; said Biddle, Jr., assignor to said Sanford. Cooking stove. 2,582,887, Jan. 15.

Sanford, Hugh W., and H. W. Jones, Knoxville, Tenn., assignors to The Sanford Investment Company, Wilmington, Del. Latch operating mechanism. 2,616,576, Nov. 4.

Sanford, Hugh W., Jr., and A. F., II, Knoxville, Tenn., assignors to The Sanford Investment Company, Wilmington, Del. Mine car sealing device. 2,602,402, July 8.

Sanford Investment Company, The, assignee: *See*—
Jones, Robert E.
Linville, Roy E.
Sanford, Hugh W.
Sanford, Hugh W., and Jones.
Sanford, Hugh W., Jr., and A. F., II.

Sanford, Paul W., Indianapolis, Ind., assignor of one-half to Body Guard Valve Co., Inc., and one-half to Shepherd Machine & Tool Co., Inc. Antiscald and proportioning valve. 2,586,180, Feb. 19.

Sanford, Paul W., assignor of one-half to Body Guard-Valve Co., Inc., and one-half to Shepherd Machine & Tool Co., Inc., Indianapolis, Ind. Antiscald and proportioning valve. 2,593,701, Apr. 22.

Sanford Products, Inc., assignee: *See*—
Sanford, Roy S.

Sanford, Richard: *See*—
Hecht, Maynard L., and Sanford.

Sanford, Robert A., Park Forest, and B. S. Friedman, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Re-forming naphtha stocks. 2,592,603, Apr. 15.

Sanford, Robert E., assignor to The National Machinery Company, Tiffin, Ohio. Fluid actuated clutch. 2,589,291, Mar. 18.

Sanford, Roy S.: *See*—
Eaton, Wilfred A., and Sanford.

Sanford, Roy S. Woodbury, assignor to The Autoyre Company Incorporated, Oakville, Conn. Feeding mechanism for automatic guns. 2,590,214, Mar. 25.

Sanford, Roy S., assignor to Sanford Products, Inc., Woodbury, Conn. Metal table formed from sheet material. 2,616,773, Nov. 4.

Sanford, Roy S., Woodbury, and P. F. Simpson, Washington, assignors to The Autotyre Company, Inc., Oakville, Conn. Door closer. 2,607,948, Aug. 26.

Sanford, Willis F.: *See*—
Haulenbeek, Whyatt H., and Sanford.

Sang, Victor S., Minneapolis, Minn. Automatic glare shield control. 2,607,906, Aug. 19.

Sangamo Electric Company, assignee: *See*—
Fog, Ivar K.
Snell, Maurice S.

Sanger, Harry G.: *See*—
Suhadolnik, Lawrence A., and Sanger.

Sanger, Otto: *See*—
Rinker, Wilhelm, Sanger, and Leitz.
Weissenberg, Gustav, and Sänger.

Sänger, Otto, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Microtomes. 2,590,725, Mar. 25.

Sanger, Richard B., Glen Rock, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Amplifier circuit. 2,619,613, Nov. 25.

Sanitary Products Corporation, assignee: *See*—
Parish, Frank P.

Sanitary Seale Company, assignee: *See*—
Berglund, Sven G., and Karp.
Karp, Edward C.

Sani-Tread Company Incorporated, assignee: *See*—
Lippitt, Stephen W.

Sankowsky, Nicholas A.: *See*—
Jernakoff, Michael A., Batt, and Sankowsky.

Sannebeck, Walter J., Mexico, Mo. Collapsible adjustable stool. 2,586,724, Feb. 19.

Sannebeck, Walter J., Mexico, Mo. Drum stand. 2,615,662, Oct. 28.

Sanner, Weldon E., Rockwood, and R. W. Decker, Garrett, Pa. Ditch digger. 2,590,332, Mar. 25.

Sano, Machteld E., Philadelphia, Pa. Bone mat compositions. 2,621,145, Dec. 9.

Sans, Marcel L., Venissieux, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Polymerizing vinyl chloride. 2,600,695, June 17.

Sansom, Robert G., Okolona, Miss. Smoking pipe. 2,592,957, Apr. 15.

Sansom, William D., Detroit, Mich. Combined thinning and shaping scissors. 2,591,014, Apr. 1.

Sanson Hosiery Mills, Inc., assignee: *See*—
Livingston, Cyril W.
Sanson, Stanton D.

Sanson, Stanton D., Elkins Park, assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Full-fashioned hosiery seam construction. 2,617,114, Nov. 11.

Santangelo, Louis F., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Interlocking switch and door. 2,595,102, Apr. 29.

Santarelli, Vincent, Detroit, Mich. Sprayer. 2,586,266, Feb. 19.

Santarelli, Vincent, Detroit, Mich. Sprayer. 2,594,223, Apr. 22.

Santiago, James J., assignor to Grant Oil Tool Company, Los Angeles, Calif. Vacuum well cleaner. 2,588,578, Mar. 11.

Santina, Peter, San Francisco, Calif. Container for asphalt and the like. 2,583,669, Jan. 29.

Santini, Danilo, Tenafly, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,589,292, Mar. 18.

Santis, Julius C., Newton, Mass. Self-locking bob pin. 2,620,808, Dec. 9.

Santivasi, Vincent A., Springfield, assignor to Barker, Moore & Mein Company, Philadelphia, Pa. Composition for the prevention and control of coccidiosis in poultry. 2,610,140, Sept. 9

Santo, Robert E., Montreal, Quebec, Canada. Meter for determining the amplitudes of sine waves recorded on disks. 2,599,351, June 3.

Santos, Bernardino, Rio Piedras, P. R. Louver type window. 2,584,928, Feb. 5.

Santosuosso, James W., Malden, Mass. Sectional hassock. 2,606,599, Aug. 12.

Santosuosso, Leonard, Revere, Mass. Safety latch for automobile doors. 2,582,167, Jan. 8.

Sanymetal Products Co., Inc., The, assignee: *See*—
Anderson, Thomas F., and Benham.

Sanzenbacher, Donald L., Toledo, Ohio. Culinary accessory. 2,584,295, Feb. 5.

Sapers, Ira: *See*—
Cook, Alton A., and Sapers.

Sapien, Sisto V., Yakima, Wash. Air vent and cleaner therefor. 2,609,961, Sept. 9.

Sappey, Harold: *See*—
Alstadt, Benjamin, and Sappey.

Sarakas, Joseph D., St. Louis, Mo. Attachment for fishhooks. 2,616,203, Nov. 4.

Saranac Patents Holding Company, assignee: *See*—
Sester, Harry F.

Sarazin, Gilles F., Paris, France. Torsional vibration damper. 2,590,579 Mar. 25.

Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Steam resistant isoolefin-diolefin copolymer rubbery composition. 2,611,758, Sept. 23.

Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cellular material and blowing agent therefor. 2,613,189, Oct. 7.

Sarbu, John C., New York, N. Y. Revolving shower head. 2,622,927, Dec. 23.

Sarett, Ben L., assignee: *See*—
Baker, Dwight L.

Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Production of 17-hydroxypregnanes. 2,597,190, May 20.

Sarett, Lewis H., Princeton, and R. E. Beyler, Metuchen, assignors to Merck & Co., Inc., Rahway, N. J. 7-keto-4b-methyl-1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydrophenanthrene-1,4-diol and its preparation. 2,617,828, Nov. 11.

Sarff, Warren M., Kirkwood, Mo. Collar stay. 2,615,167, Oct. 28.

Sarg, Fredrick A., Staten Island, N. Y. Combined liquid and food lunch container. 2,604,976, July 29.

Sargeant, James A., Fort Belvoir, and J. R. Wade, Jr., Alexandria, Va. Inspection means for sealed packages. 2,611,481, Sept. 23.

Sargeaunt, James A. H., Cefn Coed, near Merthyr Tydfil, South Wales. Temperature control system. 2,603,422, July 15.

Sargent, Albert F., assignor, by mesne assignments, of one-half to C. S. Johnson and one-half to A. F. Johnson, Detroit, Mich. Loom. 2,619,989, Dec. 2.

Sargent & Company, assignee: *See*—
Kulbersh, Nathan.

Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polyvinyl alcohol gels with bis-1,3,5-triazine compounds. 2,582,357, Jan. 15.

Sargent, Earl O., Oxnard, Calif. Preparing dried molasses. Re. 23,467, Mar. 4.

Sargisson, Robert L.: *See*—
Wood, Fredric E., and Sargisson.

Sarin, Krishen K.: *See*—
Siddiqui, Salimuzzaman, Sarin, and Varma.

Sarioni Company, Inc., assignee: *See*—
Curioni, Aldo R.

Sarkes Tarzian, Inc., assignee: *See*—
Fannarino, George J.

Sarkus, Philip G., Donora, Pa. Swingable and vertically adjustable bed tray. 2,612,422, Sept. 30.

Sarley, Joseph M.: *See*—
Dayger, Jonas E., Shafer, Wooding, Sarley, and Williams.

Sarlls, Lawrence H., Victoria, Tex. Seed planter attachment. 2,605,020, July 29.

Sarnak, Joseph J., Hartford, Conn., assignor, by mesne assignments, to L. Gottfried and J. Berger, New York, N. Y. Baby chair with side guards. 2,620,857, Dec. 9.

Sarner, Sidney, assignee: *See*—
Klein, Hyman J.

Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Stake puller. 2,582,284, Jan. 15.

Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Road-finishing machine. 2,605,682, Aug. 5.

Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Discharge chute assembly for concrete mixers or the like. 2,612,250, Sept. 30.

Sarsal Devices, Inc., assignee: *See*—
Hyde, George G.

Sarti, Renee, New York, N. Y. Removable shoulder pad for hangers. 2,614,736, Oct. 21.

Sarto, Jorma O., Walled Lake, assignor to Chrysler Corporation, Highland Park, Mich. Power steering mechanism. 2,603,065, July 15.

Sartoretto, Paul A., New York, N. Y., assignor to W. A. Cleary Corporation. Aryl mercury salts of chloro substituted phenoxyacetic acids. 2,586,387, Feb. 19.

Sartoretto, Paul A., New York, and J. H. Carter, Jr., Forest Hills, N. Y., assignors to International Cigar Machinery Company. Tobacco sheet material and producing the same. 2,613,672, Oct. 14.

Sartoretto, Paul A., New York, and J. H. Carter, Jr., Forest Hills, N. Y., assignors to International Cigar Machinery Company. Tobacco sheet material and producing the same. 2,613,673, Oct. 14.

Sartorius, A., & Co., Inc., assignee: *See*—
Neuschaefer, Helen.

Sartorius-Werke A. G., assignee: *See*—
Gorbach, Georg.

Sarver, Landon A., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Syringe pipette. 2,607,343, Aug. 19.

Sarvie, Walter, Alexandria, Minn. Pliers. 2,620,697, Dec. 9.

Sasaki, Toshio, New York, N. Y. Coat hanger cover. 2,622,775, Dec. 23.

Sasgen Derrick Co., assignee: *See*—
Sasgen, Matthias F.

Sasgen, Matthias F., assignor to Sasgen Derrick Co., Chicago, Ill. Construction of drum for hoists, winches and the like. 2,581,716, Jan. 8.

Saslaw, Otto, Red Bank, N. J., assignor to Vickers Incorporated, Detroit, Mich. Semiconductive cell. 2,610,386, Sept. 16.

Sass, Chester V., Redding, Calif. Dump box attachment for hydraulic fork lift. 2,582,759, Jan. 15.

Sass, Earl J., Oaklyn, and D. Mackey, Haddon Heights, N. J., assignors to Radio Corporation of America. Printed circuit structure for high-frequency apparatus. 2,611,010, Sept. 16.

Sass, Elmer W., Quincy, Ill. Lock for firearm triggers. 2,599,132, June 3.

Sasse, Elmer C., Cleveland, Ohio. Apparatus for serrating knife edges. 2,623,416, Dec. 30.

Sasse, Willi A., Hamburg-Othmarschen, Germany, assignor to Continental Laboratories, Inc., New York, N. Y. Chuck. 2,607,602, Aug. 19.

Sather, Olaf P., Duluth, Minn. Oil filter cartridge. 2,614,694, Oct. 21.

Sato, Takeo, Honolulu, Hawaii. Angle post tie bar. 2,580,960, Jan. 1.

Sato, Takeo, Honolulu, Territory of Hawaii. Adjustable column form. 2,582,168, Jan. 8.

Sato, Takeo, Honolulu, Hawaii. Collapsible concrete beam form. 2,583,670, Jan. 29.

Sato, Takeo, Honolulu, Hawaii. Angle post and shoring head. 2,613,904, Oct. 14.

Satre, Pierre H., Toulouse, France, assignor to Societe Anonyme called: Societe Nationale de Constructions Aeronautiques du Sud-Est. Highly sweptback wing for flying machines. 2,603,437, July 15.

Satterfield, Richard A., Winston-Salem, N. C. Auto circuit for drive-in theaters. 2,619,544, Nov. 25.

Satterlee, Eugene M., Meadville, Pa. Automatically atmospheric controlled motor. 2,583,018, Jan. 22.

Satterthwaite, Fenner L., Kinston, N. C. Shoulder and ditch grading machine. 2,615,264, Oct. 28.

Sattler, Stephen, Tulsa, Okla. Collapsible copy holder. 2,599,784, June 10.

Sattler, Stephen, Tulsa, Okla. Copyholder. 2,610,610, Sept. 16.

Satz, Carl, Miami, and F. Satz, Hollywood, Fla. Storm shutter assembly. 2,598,610, May 27.

Satz, Frank: *See*—
Satz, Carl and F.

Satz, William, Los Angeles, Calif. Bottle closure. 2,586,440, Feb. 19.

Saucke, Herman, New York, N. Y. Attachment for converting drill presses for sawing operations. 2,607,107, Aug. 19.

Sauer, Christian H., assignor to J. T. Alm, Chico, Calif. Vehicle stabilizing and control system. 2,608,262, Aug. 26.

Sauer, Edna, Wichita, Kans. Kitchen utensil holder. 2,603,358, July 15.

Sauer, George, Berwyn, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Lubrication system for sewing machines. 2,596,728, May 13.

Sauer, Louis E.: *See*—
Daly, Thomas A., and Sauer.

Sauer, Louis E., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reactor. 2,605,317, July 29.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Novel polysiloxane compound and preparing the same. 2,582,799, Jan. 15.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Linear methyl siloxanes having hydrogen directly linked to silicon. 2,595,890, May 6.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Cyclopolysiloxanes. 2,595,891, May 6.

Sauer, Ronald A., Cleveland, Ohio. Apparatus for making commutators. 2,593,801, Apr. 22.

Sauerman, Ernst C., Chicago, Ill. Feeding device for sheet material. 2,615,390, Oct. 28.

Sauerman, Ernst C., Chicago, Ill. Sheet material element used in feeding device. 2,615,392, Oct. 28.

Sauermilch, Walter: *See*—
Mathes, Wilhelm, and Sauermilch.

Saul, William D., Denver, Colo. Shiftable garter hitch. 2,617,989, Nov. 18.

Saulnier, Raymond, Paris, France. Removable roof for the cockpits of aircraft. Re. 23,452, Jan. 15.

Saulnier, Raymond, Paris, France. Aircraft rudder control column. 2,585,688, Feb. 12.

Saunders, Alfred P.: *See*—
Barsby, Edward S., and Saunders.

Saunders, Alfred P., assignor to Wildt and Company Limited, Leicester, England. Straight bar knitting machine. 2,580,603, Jan. 1.

Saunders, Charles E., and C. M. Murphy, Jr., Washington, D. C. Oxidation inhibitor for lubricating oils. 2,609,343, Sept. 2.

Saunders, Enos P., Berkley, Mich. Stud driver and puller. 2,613,565, Oct. 14.

Saunders, Enos P., Berkley, Mich. Stud driver. 2,613,942, Oct. 14.

Saunders, Erle F., Montreal West, Quebec, Canada, and D. Drysdale, Philadelphia, Pa. Spinning frame. 2,611,230, Sept. 23.

Saunders, George H.: *See*—
Heller, Harold H., and Saunders.

Saunders, Harold E., Takoma Park, C. A. Lee, Bethesda, E. A. G. Marvinney, Chevy Chase, Md., and W. F. Brownell, Jr., Yeadon, Pa. Water tunnel. 2,593,491, Apr. 22.

Saunders, Henry B., Warrenville, assignor to Guard-It Manufacturing Company, Chicago, Ill. Pasteurizer. 2,607,566, Aug. 19.

Saunders, Newell, assignee: *See*—
Steedman, Alfred W.

Saunders, Noel J., Toronto, Ontario, Canada. Clothespin. 2,593,201, Apr. 15.

Saunders, Norman B., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Reducing amplitude distortion in cathode-follower amplifiers. 2,592,193, Apr. 8.

Saunders, Norman B., Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Microsecond delay circuit. 2,600,270, June 10.

Saunders, Norman H., Chicago, C. J. Hackett, Oak Park, and J. I. Bellamy, Brookfield, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company. Multiple contact relays. 2,606,958, Aug. 12.

Saunders, Ralph, Esher, England. Refrigerator door construction. 2,607,086, Aug. 19.

Saunders, Ralph, Blackhills, Esher, England. Refrigerator door construction. 2,623,248, Dec. 30.

Saunders-Roe Limited, assignee: *See*—
Crewe, Peter R.
Gouge, Arthur.

Saunders Valve Company Limited, assignee: *See*—
Kaye, Oliver.
Sutton, Frank.

Sausa, Frank C., Englewood, Colo. Variable throat restricter valve. 2,590,215, Mar. 25.

Sauter, John D.: *See*—
Few, William, and Sauter.
Few, William, Sauter, and Szabo.

Sautereau, Lucien, Paris, France. Adjustable drawing table. 2,622,951, Dec. 23.

Sauvage, Léon F.: *See*—
Brun, Max A., and Sauvage.

Sauvigne, Andrée (Romagnan): *See*—
Romagnan, Lucien.

Savage, Albert B., and R. W. Swinehart, assignors to The Dow Chemical Company, Midland, Mich. Alkali cellulose compositions. 2,602,083, July 1.

Savage Arms Corporation, assignee: *See*—
Chapin, Ellis W., and Elkas.
Dunham, George W.
Elkas, Louis.
Hussey, Chester L.
Sullivan, William E.

Savage, Bernice C., Jefferson, Ga. Jack hook holder for looms. 2,598,444, May 27.

Savage, Conwell, New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical contact mounting. 2,619,569, Nov. 25.

Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Making chemically active graphitic carbon powder. 2,601,953, July 1.

Saval Division of The William R. Whittaker Company, Ltd., assignee: *See*—
Barksdale, Lilburn S.
Holzer, Theodore H.
Larsen, Victor A.

Savannah Sugar Refining Corporation, assignee: *See*—
Allen, Howard G.

Saveland, Brown W.: *See*—
Gannett, Joseph K., and Saveland.

Saville, Arthur K., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Printing textile fabrics with vat dyes. 2,587,905, Mar. 4.

Savino, Henry C., Jersey City, N. J. Automatic telemetering system. 2,591,617, Apr. 1.

Savio, Michael, Philadelphia, Pa. Adjustable holder for cooking wieners by conduction of electricity. 2,621,587, Dec. 16.

Savitz, Christian W.: *See*—
Deskin, Roy, and Savitz.

Savitz, Christian W., South Euclid, assignor to Air-Maze Corporation, Cleveland, Ohio. Moisture-proof plug connection. 2,623,917, Dec. 30.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Savoy, Michael G., assignor to The Pure Oil Company, Chicago, Ill. Inhibitors against hydrogen sulfide and brine corrosion. 2,593,057, Apr. 15.

Sawaya, George K., Hammond, La. Transversely folding bed. 2,590,129, Mar. 25.

Sawchuk, Michael, Toronto, Ontario, assignor to Dustbane Mfg. Company Limited, Ottawa, Ontario, Canada. Liquid soap dispenser. 2,591,969, Apr. 8.

Sawdon, Victor J., New York, N. Y. Envelope combination. 2,611,630, Sept. 23.

Sawyer, Bruce A., Salem, and L. Burns, Swampscott, assignors to Sylvania Electric Products Inc., Salem, Mass. Discharge lamp circuit. 2,620,459, Dec. 2.

Sawyer, Donald W., Rochester, N. Y. Stereoscope attachment for print lifting. 2,588,416, Mar. 11.

Sawyer, Emerson D., Chicago, Ill. Yieldable barrier. 2,602,249, July 8.

Sawyer, Emerson D., Chicago, Ill. Yielding barrier roadway network construction. 2,605,829, Aug. 5.

Sawyer, Ephriam L.: *See*—
Sawyer, John W. and E. L.

Sawyer, Ephriam L., Arlington, Va. Artillery fire control chart. 2,595,803, May 6.

Sawyer, Hilon W., Nutley, and O. Schellenberger, Paterson, assignors to Thomson Machine Company, Belleville, N. J. Article sorting device. 2,611,484, Sept. 23.

Sawyer, James G., Buffalo, N. Y. Axial flow fan. 2,592,471, Apr. 8.

Sawyer, John W., U. S. Navy, Arlington, Va. Testing surface defects. 2,601,703, July 1.

Sawyer, John W., U. S. Navy, and E. L. Sawyer, Arlington, Va. Apparatus for recording surface conditions inside tubular elements. 2,618,014, Nov. 18.

Sawyer, Lester T., Leominster, Mass. Drinking cup. 2,589,967, Mar. 18.

Sawyer, Marion B., Sr., Whittier, Calif. Orchard or lawn sprinkler. 2,590,726, Mar. 25.

Sawyer's Inc., assignee: *See*—
Smith, Gordon N.

Sax, Ben P., assignor to Automatic Buff Company, Chicago, Ill. Buffing. 2,599,785, June 10.

Sax, Karl J.: *See*—
Bernstein, Seymour, Giancola, and Sax.
Bernstein, Seymour, and Sax.
Bernstein, Seymour, Sax, and Giancola.

Sax, Leonard B., and T. H. Kingsbury, Chicago, Ill.; said Kingsbury assignor to said Sax. Buffing wheel. 2,582,506, Jan. 15.

Saxby, Frank R., Eastcote, England, assignor to The National Cash Register Company, Dayton, Ohio. Remote-control recording mechanism. 2,614,489, Oct. 21.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Method of and apparatus for proportioning the constituents of materials. 2,587,531, Feb. 26.

Saxl, Erwin J., Providence, R. I. Tension meter. 2,591,724, Apr. 8.

Saxton, Millard F.: *See*—
Bacon, Elbridge F., Comey, and Saxton.

Saxton, Stanley L., and S. E. Lowell, La Crosse, Wis. Cargo lift. 2,581,887, Jan. 8.

Say, Theodore, West Chester, and J. F. McKinney, Jr., Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Catalytic cracking of hydrocarbon oil. 2,598,309, May 27.

Sayko, Andrew F., Westfield, N. J., assignor to Standard Oil Development Company. Age resistor for low-unsaturation polymers. 2,620,323, Dec. 2.

Saylar, Daniel, assignee: *See*—
Leighton, William G.

Sayles, Myron E.: *See*—
West, Harry R., and Sayles.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Electronic heating. 2,583,393, Jan. 22.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Automatic control for molding presses. 2,588,662, Mar. 11.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Compression molding a plastic in sheet form. 2,601,701, July 1.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Transfer molding press. 2,612,658, Oct. 7.

Sayre, Gordon B., and O. Wins, assignors to Boonton Molding Company, Boonton, N. J. Machine for folding carton inserts. 2,580,846, Jan. 1.

Sayre, Morris, assignee: *See*—
Starke, Nathan.

Sayward, Samuel S.: *See*—
Snow, Howard C., Kelley, and Sayward.

Saywell Associates, assignee: *See*—
Saywell, Lawrence G.

Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, South San Francisco, Calif. Antifriction composition. 2,581,301, Jan. 1.

Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, South San Francisco, Calif. Sealing assembly. 2,583,019, Jan. 22.

Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, San Francisco, Calif. Bearing assembly and seal. 2,600,433, June 17.

Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, South San Francisco, Calif. Sealing device. 2,600,434, June 17.

Sbicca, Frank, Los Angeles, Calif. Support for shoes mounted upon lasts. 2,613,816, Oct. 14.

Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rectifier and making it. 2,602,211, July 8.

Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of semiconductive materials for translating devices. 2,602,763, July 8.

Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rectifier and making it. 2,603,692, July 15.

Scaife, Alan M., Pittsburgh, Pa. Spectacle type hearing aid. 2,613,282, Oct. 7.

Scaife Company, assignee: *See*—
Johnson, Carl E.

Scalera, Corrado, Providence, assignor of one-half to A. Longo, Cranston, R. I. Preserving peeled white potatoes. 2,620,277, Dec. 2.

Scalera, Mario, Somerville, and H. W. Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing anthrimides. 2,590,825, Mar. 25.

Scales, Wilbur H., assignee: *See*—
Poole, Winfred O.

Scalise, Vincent J., Chicago, Ill. Adjustable indicator holder. 2,601,965, July 1.

Scammell Lorries Limited, assignee: *See*—
Watts, Laurence D.

Scanlan, John T.: *See*—
Swern, Daniel, Roe, and Scanlan.

Scanlan, Robert W., and H. R. Cunningham, Bartlesville, Okla., assignors to Phillips Petroleum Company. Insect repellent ointment comprising hydrogenated rotenone and 2-amino-2 methyl-1, 3-propanediol: 2,595,371, May 6.

Scanley, Clyde S., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stabilized hydrocarbon oils and waxes. 2,619,465, Nov. 25.

Scanlon, Ewart S., Vancouver, British Columbia, Canada. Shutter controlling device. 2,580,604, Jan. 1.

Scanlon, Harry C., Hempstead, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Cable reel. 2,606,978, Aug. 12.

Scannell, Eustace S., Boston, and L. W. Berni, East Boston, Mass. Beverage control system and dispensing means. 2,605,931, Aug. 5.

Scarlett, George B., assignee: *See*—
Streun, Walter.

Scarpellino, Louis A., Kansas City, Mo. Myelographic needle. 2,590,895, Apr. 1.

Scaturro, Peter S.: *See*—
Decker, Charles A., and Scaturro.

Schaack, August, Esch/Alzette, Luxembourg, assignor to Acieries Reunies de Burbach-Eich-Dudelange Societe Anonyme, Luxembourg, Grand Duchy of Luxembourg. Joint for sheet piles. 2,581,717, Jan. 8.

Schaad, Theodore A., Detroit, Mich. Hydraulic means for actuating frictional disk clutches. 2,587,230, Feb. 26.

Schaaf, Herman, Philadelphia, Pa. Electromagnet. 2,595,547, May 6.

Schaal, Earl V., East Aurora, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,586,096, Feb. 19.

Schaap, Theodore, Muskegon, Mich. Roll partition. 2,610,681, Sept. 16.

Schaar, Charles H., Chicago, and G. J. Zilligen, Hazelcrest, Ill. Washing apparatus. 2,590,353, Mar. 25.

Schabelitz, Ernest J., Rincon, Calif. Extraction of valuable constituents from unexposed oil-bearing shales not spent by oxidation. 2,596,793, May 13.

Schach, Albert W., assignor to Barber-Colman Company, Rockford, Ill. Damper. 2,586,997, Feb. 26.

Schacht, William J., Huntington, Ind. Food saver. 2,591,301, Apr. 1.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Apparatus for modifying the transfer characteristics of a vacuum tube. 2,583,345, Jan. 22.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Power conservation system. 2,598,134, May 27.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. High aperture five-component objective. 2,586,866, Feb. 26.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Ultrahigh-aperture five component objectives. 2,604,013, July 22.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Optical objective comprising a meniscus doublet and meniscus triplet between two positive components. 2,611,295, Sept. 23.

Schadel, Henry C., Jr., Corona, N. Y. Signal light for bicycle handle bars. 2,603,701, July 15.

Schaedler, Tony: *See*—
Haas, Otto, Schaedler, and Schneider.

Schaef, Irving W., Jr.: *See*—
Solomon, Nathan L., and Schaef.

Schaefer, August G.: *See*—
Vaughan, Victor G., Schaefer and Wood.

Schaefer, Carl A., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electric switch control station. 2,595,414, May 6.

Schaefer, Carl A., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,610,265, Sept. 9.

Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. Reciprocal integrator gearing. 2,584,230, Feb. 5.

Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. True air-speed meter. 2,599,288, June 3.

Schaefer, Edward E., Oak Park, assignor to E. E. Schaefer, A. A. Steinert, A. A. Zucker, and G. J. Halper, a co-partnership doing business as Acme Venetian Blind Company, Chicago, Ill. Venetian blind construction. 2,589,147, Mar. 11.

Schaefer Equipment Company, assignee: *See*—
Otterson, Oscar.
Schaefer, Frederic.

Schaefer, Frederic, assignor to Schaefer Equipment Company, Pittsburgh, Pa. Forked connecting member. 2,581,048, Jan. 1.

Schaefer, Frederic C., and E. K. Drechsel, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing an isocyanate. 2,580,468, Jan. 1.

Schaefer, Hans F., Jr., Marblehead, Mass., assignor to Link Aviation, Inc., Binghamton, N. Y. Computer for aviation trainers and the like. 2,602,244, July 8.

Schaefer, Harry H., Cheyenne, Wyo. Straightening device. 2,602,197, July 8.

Schaefer, Hilbert C., South Amana, Iowa. Expansion control for hay balers. 2,613,593, Oct. 14.

Schaefer, Hugo L.: *See*—
Lowry, Robert D., and Schaefer.

Schaefer, Louis, Oak Park, Ill. Sectional candlestick and the like. 2,621,503, Dec. 16.

Schaefer, Margaret E., St. Louis, Mo. Knitted footwear. 2,613,520, Oct. 14.

Schaefer, Paul M., Oak Ridge, Tenn. Voltage regulator tester. 2,623,925, Dec. 30.

Schaefer, Ralph A., Cleveland, and J. B. Mohler, Euclid, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing. 2,605,149, July 29.

Schaefer, Ralph A., Cleveland, J. F. Cerness, East Cleveland, and W. H. Morrison, Cleveland Heights, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearings. 2,611,163, Sept. 23.

Schaefer, Richard J., Detroit, Mich. Electrical remote control for gas. 2,595,171, Apr. 29.

Schaefer, Vincent J.: *See*—
Blodgett, Katharine B., and Schaefer.

Schaeffer, Benjamin B., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Purification of vinyl aromatic compounds. 2,589,871, Mar. 18.

Schaeffer, Jack W., Youngstown, Ohio. Remote starting control for internal-combustion engines. 2,591,618, Apr. 1.

Schaeffer, Jacob H., Great Neck, assignor to Shiman Bros. Co., Inc., New York, N. Y. Wedding and engagement ring ensemble and coupling for same. 2,615,313, Oct. 28.

Schaeffer, John R., Reading, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Detergent compositions containing metal discoloration inhibitors. 2,618,603, Nov. 18.

Schaeffer, John R., Reading, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Polyphosphate-containing detergent compositions having decreased corrosivity toward aluminum. 2,618,604, Nov. 18.

Schaeffer, John R., Reading, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Detergent compositions containing metal discoloration inhibitors. 2,618,605, Nov. 18.

Schaeffer, John R., Reading, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Detergent compositions containing metal discoloration inhibitors. 2,618,606, Nov. 18.

Schaeffer, John R., Wyoming, assignor to The Procter & Gamble Company, Ivorydale, Ohio. Detergent compositions containing metal discoloration inhibitors. 2,618,608, Nov. 18.

Schaeffer, Lewis C., Fremont, assignor to Kitchen-Quip, Inc., Fort Wayne, Ind. Kitchen utensil for slicing and cutting articles of food. 2,596,604, May 13.

Schaeffer, Raymond P.: *See*—
Sevall, Herbert E., and Schaeffer.

Schaelchlin, Walter, Buffalo, N. Y., and A. J. Winchester, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable current compensation on dynamic electric machine. 2,597,191, May 20.

Schaer, Franz, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Axial flow compressor. 2,619,279, Nov. 25.

Schaer, Franz, Ober-Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme. Turbomachine rotor. 2,619,318, Nov. 25.

Schaerer, August A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Separating hydrocarbon waxes. 2,603,589, July 15.

Schaevitz, Herman, Collingswood, N. J. Pressure-responsive device. 2,600,271, June 10.

Schafer, Albert J., Milwaukee, Wis. Right angle drilling fixture. 2,620,840, Dec. 9.

Schafer, Arnold W., assignor to The W. H. Marvin Company, Urbana, Ohio. Machine for pitting fruits such as dates. 2,611,403, Sept. 23.

Schafer, Curtiss R., Ridgefield, Conn. Chopper. 2,610,270, Sept. 9.

Schafer, Frank, assignor to The Bell Machine Company, Oshkosh, Wis. Making match splints. 2,594,351, Apr. 29.

Schafer, John V., Bronson, Mich. Connector for apparel. 2,585,689, Feb. 12.

Schafer, John V., Bronson, Mich. Adjustable attachment for shirt collars. 2,585,690, Feb. 12.

Schafer, Oliver M., Trenton, N. J. Alarm timepiece. 2,588,884, Mar. 11.

Schafer, Robert E., Lancaster, and M. I. Kreider, Ephrata, assignors to Hamilton Watch Company, Lancaster, Pa. Multiple spring tester. 2,614,414, Oct. 21.

Schaffel, Gerson S., Cuyahoga Falls, assignor to The General Tire and Rubber Company, Akron, Ohio. Resinous products containing chloroisopropenyl - toluene. 2,609,361, Sept. 2.

Schaffel, Gerson S., Cuyahoga Falls, and A. S. Wollison, assignors to The General Tire and Rubber Company, Akron, Ohio. Flexible coating composition from a copolymer of an acrylonitrile, alpha methyl styrene and ethyl acrylate. 2,617,788, Nov. 11.

Schaffer, George H., Waterbury, Conn. Reduction gear box. 2,581,973, Jan. 8.
Schaffer, Herman W., Erie, Pa., assignor to General Electric Company. Brush mechanism. 2,590,796, Mar. 25.
Schaffert, Roland M., and M. F. Browning, Columbus, Ohio. Preparing duplicate plastic-backed printing plates. 2,581,718, Jan. 8.
Schafler, Kay, Ocean Side, N. Y. Hosiery supporting means. 2,585,853, Feb. 12.
Schafroth, Werner, Havertown, Pa. Clip with bendable legs. 2,586,388, Feb. 19.
Schagen, Pieter: *See*—
Bruining, Hajo, de Boer, and Schagen.
De Boer, Floris, Bruining, and Schagen.
Schagen, Pieter, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Television image tube. 2,622,219, Dec. 16.
Schaible Company, The, assignee: *See*—
Bruewer, Henry.
Schaich, Wilbur A., Franklin, Mich. Two-piece firearm bolt. 2,606,382, Aug. 12.
Schaich, Wilbur A., Franklin, assignor to Dearborn Motors Corporation, Highland Park, Mich. Chemical spray attachment for watering hoses. 2,620,234, Dec. 2.
Schaldach, Alfred W., Chaseburg, Wis. Sheet material cutting device. 2,586,566, Feb. 19.
Schälkli, Otto, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Cartridge feeding mechanism for the magazines of automatic firearms. 2,596,293, May 13.
Schalla, Milo M.: *See*—
Dilworth, Thomas B., and Schalla.
Schaller, Anton, assignor to Perfex Corporation, Milwaukee, Wis. Frangible plate securing means for bed and cylinder printing machines. 2,590,044, Mar. 18.
Schaller, Carl J., assignor to Armstrong Cork Company, Lancaster, Pa. Expansion of compressed cork particles by steaming. 2,588,418, Mar. 11.
Schaller, Fred W., Jenera, Ohio. Earthworking implement. 2,597,954, May 27.
Schaller, Harold E., Lexington, Mass., assignor, by mesne assignments, to John E. Smith's Sons Company, Buffalo, N. Y. Apparatus for operating upon chains of frankfurters and the like. 2,623,237, Dec. 30.
Schaller, Maurice, Flushing, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Bundle package. 2,620,921, Dec. 9.
Schammel, F. W., assignee: *See*—
Morris, Charles E.
Schane, Edward H., Lakewood, assignor to Fanner Manufacturing Company, Cleveland, Ohio. Forming machine. 2,588,663, Mar. 11.
Schanke, Leo J., and W. W. Vawter, Indianapolis, Ind. Article assembling machine. 2,603,375, July 15.
Schanz, George H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for handling strip material from extruding machines. 2,592,958, Apr. 15.
Schappel, Joseph W., Morton, Pa., assignor to American Viscose Corporation, Wilmington, Del. Addition products of an amine and sulfone-activated ethylenic compounds. 2,623,035, Dec. 23.
Schappel, Joseph W., Morton, Pa., assignor to American Viscose Corporation, Wilmington, Del. Cellulosic textiles reacted with urea-vinyl sulfone addition products. 2,623,807, Dec. 30.
Schär, Alfred, Wallisellen, Switzerland. Grain cleaning machine. 2,621,794, Dec. 16.
Scharf, Frank W., Arcadia, Calif., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Toaster timing mechanism. 2,592,826, Apr. 15.
Scharf, John H., New York, N. Y. Sanitary holder for baby nursing units. 2,618,499, Nov. 18.
Scharfenberg, George T.: *See*—
Polivka, John N., and Scharfenberg.
Scharff, J. H., Inc., assignee: *See*—
Hladky, Walter, and Ciccone.
Scharfspitz, Sylvain: *See*—
Bernfeld, Sandor, Bomse, and Scharfspitz.
Scharmann, Walter G.: *See*—
Barr, Frank T., Roethell, and Scharmann.
Scharsach, Franz, Salzburg-Grodig, Austria. Moldboard apparatus. 2,620,543, Dec. 9.
Schaser, George, Gary, Ind. Adjustable stand lamp with a switch and a handle to adjust the lamp and also actuate the switch. 2,598,310, May 27.
Schatz, Elmer E., Upper Arlington, and O. Ham, Amlin, Ohio, assignors to Harry Ferguson, Inc., Detroit, Mich. Tractor attachment. 2,612,345, Sept. 30.
Schatz, Hugo E., Detroit, Mich. Fishing net. 2,587,770, Mar. 4.
Schatzman, George W.: *See*—
Ludwig, Donald C., and Schatzman.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield construction. 2,603,510, July 15.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield attaching means. 2,603,511, July 15.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield attaching means. 2,603,512, July 15.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield attaching means. 2,603,514, July 15.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield assembly. 2,606,773, Aug. 12.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield latching mechanism. 2,607,612, Aug. 19.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield latching mechanism. 2,608,427, Aug. 26.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield mounting. 2,610,866, Sept. 16.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield. 2,611,628, Sept. 23.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield latching device. 2,613,092, Oct. 7.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield construction. 2,616,721, Nov. 4.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield assembly and attaching means therefor. 2,621,044, Dec. 16.
Schaub, Erwin L., and F. Hertel, Jr., Brooklyn, N. Y. Relining worn bearing surfaces. 2,594,810, Apr. 29.
Schaub, Fred H., Engineering Co., Inc., assignee: *See*—
Schaub, Robert F.
Schaub, Robert F., assignor to Fred H. Schaub Engineering Co., Inc., Chicago, Ill. Boiler feedwater system. 2,581,146, Jan. 1.
Schauble, Otto C.: *See*—
Kraft, Wheaton W., Davies, and Schauble.
Schauble, Otto C., Mount Kisco, N. Y., and E. F. Tibbetts, Cos Cob, Conn., assignors to The Lummus Company, New York, N. Y. Tube support for heaters. 2,619,077, Nov. 25.
Schaufelberger, Willy, Zurich, Switzerland. Cutter head for dry shavers. 2,619,719, Dec. 2.
Schaumann, Holger H.: *See*—
Kraus, Philip B., and Schaumann.
Schaumann, Holger H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Superheating titanium tetrachloride. 2,614,028, Oct. 14.
Schaumer, Theo B., Los Angeles, Calif. Brassière. 2,586,267, Feb. 19.
Schauffeffel, Charles F., Zanesville, Ohio. Plug cutter having an ejector. 2,615,245, Oct. 28.
Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Eye protective device. 2,580,605, Jan. 1.
Schaye, Jack M., Brooklyn, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Fastener assembly for garments. 2,622,248, Dec. 23.
Schear, Ralph D., and J. G. Berg, Dayton, Ohio. Electric lamp assembly of the pin-up type. 2,586,389, Feb. 19.
Schechter, Milton S., Washington, D. C., and F. B. La Forge, Arlington, Va., dedicated to the free use of the People in the territory of the United States. Cyclopentenolone esters of cyclopropane carboxylic acids. 2,603,652, July 15.
Schechter, Milton S., Washington, D. C., and F. B. La Forge, Arlington, Va. Crystalline isomer of allethrin. 2,607,796, Aug. 19.
Schedin, Robert S.: *See*—
Cederlund, Albert, Palmer, and Schedin.
Schedl, Harold P.: *See*—
Denton, John J., and Schedl.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Flexible coupling. 2,586,567, Feb. 19.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry apparatus. 2,593,609, May 6.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Motor support. 2,598,836, June 3.
Scheeline, Harold W.: *See*—
Etherington, Lewis D., and Scheeline.
Johnson, Homer F., and Scheeline.
Scheeline, Harold W., West Orange, N. J., assignor to Standard Oil Development Company. Countercurrent contacting of solids and gases. 2,584,296, Feb. 5.
Scheeline, Harold W., West Orange, N. J., assignor to Standard Oil Development Company. Extractive distillation of isoprene with dimethyl sulfolane. 2,623,844, Dec. 30.
Scheer, Charles L., Haddonfield, N. J., assignor to Foote Mineral Company, Philadelphia, Pa. Sealing structure of the gasket type. 2,611,506, Sept. 23.
Scheer, Charles L., Haddonfield, N. J., assignor to Foote Mineral Company, Philadelphia, Pa. Gasket type sealing structure having deformable metal rings. 2,616,946, Nov. 4.
Scheer, Gerhard P., Wood Lake, Nebr. Power take-off for trail mowers. 2,603,050, July 15.
Scheer, Lester O., W. D. Tomlinson, and A. Trogdon, Union City, Tenn. Can compressor. 2,616,477, Nov. 4.

Schefbauer, Rupert J., Jr.: *See*—
Lee, Ernest D., and Schefbauer.
Schefe, Frederick K., Gary, Ind., assignor to United States Steel Company. Apparatus for piling sheets. 2,622,876, Dec. 23.
Scheffer & Rossum Company, assignee: *See*—
Cottor, Emil F., and Anderson.
Scheib, John, Jr., New York, N. Y., assignor to Ward Leonard Electric Company. Electromagnetic switch. 2,616,010, Oct. 28.
Scheib, Ludwig G., assignor to Mars, Incorporated, Chicago, Ill. Wrapping machine. 2,605,597, Aug. 5.
Scheibel, Edward G.: *See*—
Jenny, Frank J., and Scheibel.
Scheibelhut, Bernard A., assignee: *See*—
Putt, Harlie O.
Scheibler, Hermann, Greenwich, Conn. Washing apparatus. 2,616,280, Nov. 4.
Scheid, Louis J., assignor to Watervliet Paper Company, Watervliet, Mich. Deinking waste paper. 2,607,678, Aug. 19.
Scheig, Fritz E.: *See*—
Jeffries, Claude M., and Scheig.
Scheinman, Arnold H.: *See*—
Blanton, William B., and Scheinman.
Scheirich, H. J., Co., assignee: *See*—
Himelreich, Louis E.
Scheiterlein, Andreas, Graz, assignor to Gräf & Stift Automobilfabrik-Aktiengesellschaft, Vienna, Austria. Internal combustion engine with lubricating oil cooler. 2,623,612, Dec. 30.
Scheithe, Arthur C., Chicago, Ill. Hair combing, cleaning, and training device. 2,587,389, Feb. 26.
Scheiwiller, Karl, St. Gallen, assignor to Brutsch & Co., Zurich, Switzerland. Darning machine for hose-shaped work. 2,623,486, Dec. 30.
Scheidorf, Owen H., North East, Pa., assignor to General Electric Company. Compressor head assembly. 2,592,343, Apr. 8.
Schelke, Robert K., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Electrical cable with intermediate disconnect means. 2,605,314, July 29.
Schell, Paul: *See*—
Rothwell, John J., and Schell.
Schell, Paul, Elkhart, Ind., assignor to Penn Controls, Inc. Oil burner safety control system. 2,592,827, Apr. 15.
Schellenberger, Otto: *See*—
Sawyer, Hilon W., and Schellenberger.
Schellenburg, Ernst, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Inc., Pittsburgh, Pa. Gas scrubber provided with rotary spraying device and indicator. 2,621,032, Dec. 9.
Schellenger, Bernard G., assignor of one-quarter to H. P. Hendershott, Eugene, Oreg. Flexible drive means for socket wrenches. 2,603,996, July 22.
Schellens, Eugene L., Essex, assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Timer for causing brief actuations at prolonged intervals. 2,582,285, Jan. 15.
Schellens, Eugene L., Essex, assignor to R. W. Cramer Company, Incorporated, Centerbrook, Conn. Small electric motor. 2,589,293, Mar. 18.
Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Scale weight totalizing device. 2,610,843, Sept. 16.
Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Housing for scale mechanism. 2,611,605, Sept. 23.
Scheller, Arthur P.: *See*—
Villoresi, John, and Scheller.
Scheller, Herbert O., Nokomis, Ill. Ventilator. 2,596,605, May 13.
Schellin, Frank H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Nursing bottle. 2,588,991, Mar. 11.
Schelling, George C.: *See*—
Jones, Burr W., and Schelling.
Schelling, Thomas H., Lancaster, Pa., assignor to Radio Corporation of America. Automatic electrode structure assembling means. 2,600,076, June 10.
Schellinger, F. Armand, assignee: *See*—
Anders, Johann.
Putt, Harlie O.
Schemm, Henry R., assignor to Huron Portland Cement Company, Detroit, Mich. Self-unloading vehicle body. 2,589,968, Mar. 18.
Schemm, Henry R., assignor to Huron Portland Cement Company, Detroit, Mich. Self-unloading bin. 2,609,125, Sept. 2.
Schemmel, Albert F. E., Alvord, Iowa. Valve clearance gauge. 2,603,878, July 22.
Schempers, William, Wollaston, assignor to John Hancock Mutual Life Insurance Company, Boston, Mass. Grooving of index cards. 2,581,049, Jan. 1.
Schenavar, Harold E., Detroit, Mich. Outboard motor with auxiliary service pump. 2,610,602, Sept. 16.
Schenck, Alfred K.: *See*—
Ciutts, Charles E., Pullis, Schenck, and Weber.
Schenck, Arthur E., Woodhaven, N. Y., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Bag closure. 2,582,286, Jan. 15.
Schenck, Gerhard, Berlin-Dahlem, and F. Rattinger, Aschaffenburg, assignors to Knoll A.-G. Chemische Fabriken, Ludwigshafen on the Rhine, Germany. Extracting cardioactive glycosides from Bovlea volubilis. 2,615,016, Oct. 21.
Schenck, Jay R., and R. K. Clark, Jr., Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. 4-thiazolidone-2-n-caproates and preparation thereof. 2,617,808, Nov. 11.
Schenck, Leslie M., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing amino aroyl acetonitriles. 2,610,979, Sept. 16.
Schenck, Remsen T., Lower Mount Bethel Township, Northampton County, Pa., assignor to the United States of America as represented by the United States Atomic Energy Commission. Oscillator controlled relay circuit. 2,590,826, Mar. 25.
Schenck, Willard A.: *See*—
Woods, Walter E., and Schenck.
Schenendorf, Benjamin, Brooklyn, N. Y. Magnetic circuit control for burglar alarms. 2,600,581, June 17.
Schenk, Charles G., assignor to The Fafnir Bearing Company, New Britain, Conn. Polishing machine. 2,620,602, Dec. 9.
Schenk, Harry F., Sterling, Mass. Apparatus for screening a suspension of solid material in a liquid. 2,593,202, Apr. 15.
Schenk, Karl: *See*—
Rottig, Walter, Gross, Royen, and Schenk.
Schenk, Peter, New York, N. Y. Ice-cream pop manufacturing and packaging. 2,582,655, Jan. 15.
Schenk, Tamis C., Richmond Hill, assignor to Le Roy Foods, Inc., Brooklyn, N. Y. Package forming and cooky assembling machine. 2,616,233, Nov. 4.
Schenke, Kurtiss P., New York, N. Y. Watch crystal 2,595,172, Apr. 29.
Schenkel, Raymond J., Dayton, Ohio. Line operated fishing switch. 2,619,559, Nov. 25.
Schenley Industries, assignee: *See*—
Wolf, Standford J.
Schenley Industries, Inc., assignee: *See*—
Behnisch, Robert, Mietzsch, and Schmidt.
Hörlein, Ulrich.
Miller, Samuel, and Emelin.
Winsten, Walter A.
Winsten, Walter A., Katz, and Safir.
Schenley Laboratories, Inc., assignee: *See*—
Goth, Erich, and Salzer.
Henecka, Hans.
Salzer, Walter, and Goth.
Schmidt, Hans.
Schmidt, Hans, Behnisch, and Mietzsch.
Schepis, Nunziato, Watertown, Mass. Hair curler. 2,598,837, June 3.
Scheponick, Leonard, Kapuskasing, Ontario, Canada. Rotary shaver. 2,616,167, Nov. 4.
Scheppe, John J., Trenton, N. J. Chute assembly for automatic pin setting machines. 2,588,297, Mar. 4.
Scheppe, John J., Trenton, N. J. Pincage assembly for bowling pin setting machines. 2,603,487, July 15.
Scher, George, West Orange, N. J. Apparatus for feeding lengths of flat stock in uninterrupted sequence. 2,582,656, Jan. 15.
Scherb, Morris V.: *See*—
Mandeville, Charles E., Albrecht, and Scherb.
Scherba, George J., Pittsburgh, Pa., assignor to United States Steel Company. Joint. 2,599,866, June 10.
Scherbatskoy, Serge A., Tulsa, Okla., assignor to Well Surveys, Incorporated. High-efficiency ionization chamber. 2,606,295, Aug. 5.
Scherbatsky, Serge A., Tulsa, Okla., assignor to A. C. Nielsen Company, Chicago, Ill. System and apparatus for determining the listening habits of wave signal receiver users. 2,618,743, Nov. 18.
Scherer, Bernard L., New York, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn. Inverter starting circuit. 2,596,606, May 13.
Scherer, George F., San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Producing crack free hard facing metal contings. 2,584,161, Feb. 5.
Scherer, John O.: *See*—
Scherer, Robert P. and J. O.
Scherer, Joseph J., Cleveland, Ohio. Lamp shade having a thermoplastic molding securing it to supporting arms. 2,585,176, Feb. 12.
Scherer, Patrick H., Hot Springs, S. Dak. Fishing creel. 2,610,758, Sept. 16.
Scherer, R. P., Corporation, assignee: *See*—
Carlson, Gustaf H.
Halstead, Richard.
Scherer, Robert P.
Scherer, Robert P. and J. O.
Scherer, Robert P., assignor to R. P. Scherer Corporation, Detroit, Mich. Forming stripes on capsules and the like. 2,596,176, May 13.
Scherer, Robert P., assignor to R. P. Scherer Corporation, Detroit, Mich. Capsule banding machine. 2,623,494, Dec. 30.
Scherer, Robert P., assignor to R. P. Scherer Corporation, Detroit, Mich. Disintegrating device. 2,623,700, Dec. 30.

Scherer, Robert P., Detroit, and J. O. Scherer, Grosse Pointe Park, assignors to R. P. Scherer Corporation, Detroit, Mich. Process of and mechanism for fabricating filled capsules. 2,584,622, Feb. 5.

Schering Corporation, assignee: *See*—
Hershberg, Emanuel B., and Ryer.
Papa, Domenick, Klingsberg, and Schwenk.
Papa, Domenick, and Schwenk.
Rubin, Martin, Hershberg, and Schwenk.
Schwenk, Erwin.
Schwenk, Erwin, and Papa.
Schwenk, Erwin, and Whitman.
Sperber, Nathan, Papa, and Schwenk.

Schermerhorn, George R., Sr., and H. C. Hinz, Jr., Rochester, assignors to American Home Foods, Inc., New York, N. Y. Potato product. 2,598,838, June 3.

Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Striker for igniters. 2,588,167, Mar. 4.

Schermuly, Joseph J., Wichita, Kans. Thrust bearing for disk plows. 2,590,468, Mar. 25.

Schertz, Glenwood L., assignor to Hercules Powder Company, Wilmington, Del. Synthetic drying oils from polyvinyl alcohol and production. 2,601,561, June 24.

Schetky, John L., assignor to Roots & Schetky Inc., Portland, Oreg. Tailgate control for dump trucks. 2,589,872, Mar. 18.

Schettler, Theodore W., Jr., Roswell, N. Mex. Collapsible baby bed. 2,607,930, Aug. 26.

Schettler, William R., Erie, Pa., assignor to General Electric Company. Brake rigging. 2,606,632. Aug. 12.

Schettler, William R., Lawrence Park, Pa., assignor to General Electric Company. Brake rigging. 2,588,168, Mar. 4.

Schetty, Guido, assignor to J. R. Geigy A. G., Basel, Switzerland. Complex chromium compounds of 0.0'-dihydroxy azo dyestuffs. 2,597,676, May 20.

Schetty, Guido, and F. Beffa, assignors to J. R. Geigy A. G., Basel, Switzerland. Chromium containing monoazo dyestuffs. 2,623,871. Dec. 30.

Schetzer, Charles H., Goodland, Kans. Accelerator footrest for automotive vehicles. 2,612,060, Sept. 30.

Scheu, Carl F.: *See*—
Walley, Omar C., and Scheu.

Scheu, Leonard, Laguna Beach, Calif. Water-color sketching easel. 2,586,097, Feb. 19.

Scheuer, Ernst, Stone, England, assignor, by mesne assignments, to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Distillation of aluminum from aluminum bearing material. 2,622,019. Dec. 16.

Scheurmann, Jean, Zurich, Switzerland. Thumbtack constructed to permit stacking. 2,623,431, Dec. 30.

Schexnailder, Robert E., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of silica-alumina bead catalyst. 2,582,722, Jan. 15.

Schiappa, Anthony, assignor to Moore Fabric Company, Pawtucket, R. I. Selvage edge construction in woven elastic fabric. 2,582,169. Jan. 8.

Schiavon, Bruno, Castellanaz, Italy. Heald raising device for weaving looms. 2,596,177, May 13.

Schiavone, Edward L., Silver Spring, Md., assignor of one-half to B. J. Chromy, Washington, D. C. High-frequency corn popping apparatus. 2,590,580, Mar. 25.

Schibler, Luzius, assignor to Ciba Limited, Basel, Switzerland. Water dispersible dry preparations of hardenable binding agents. 2,585,967. Feb. 19.

Schibler, Luzius, assignor to Ciba Limited, Basel, Switzerland. New stable synthetic resin emulsions and the preparation thereof. 2,586,098, Feb. 19.

Schick, André, Lausanne, Switzerland. Supporting holder for container blanks. 2,604,021, July 22.

Schick, Frederick A., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Track frame mounting for crawler tractors. 2,588,328, Mar. 4.

Schick, Frederick A., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Track link for crawler tractors. 2,621,981, Dec. 16.

Schick, John W.: *See*—
Keyser, Paul V., Jr., Schick, and Hartough.

Schie, Arne J.: *See*—
Strätveit, Nils N., and Schie.

Schiefer, Herbert F., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of Commerce. Apparatus for testing the resistance of materials to abrasion. 2,603,083, July 15.

Schieffelin & Co., assignee: *See*—
Silverman, Milton, and Heinemann.
Treves, Gino R.
Whitacre, Francis M., and Van Praag.

Schiel, Wilhelm, Irvington, and N. E. Zacher, Livingston, assignors to Best Manufacturing Company, Inc., Irvington, N. J. Cathode-ray tube focusing device. 2,580,606, Jan. 1.

Schierding, William, Yellow Pine, Idaho. Boring tool. 2,587,231. Feb. 26.

Schierstead, Alfred, Philadelphia, Pa. Dental finishing tool. 2,604,693, July 29.

Schieser, Warren J., and J. F. Kelley, assignors to The Exact Weight Scale Company, Columbus, Ohio. Spacing mechanism. 2,610,725, Sept. 16.

Schiff, Karl L., assignor to The Budd Company, Philadelphia, Pa. Room arrangement with movable bed for sleeping cars or the like. 2,590,045, Mar. 18.

Schiff, Karl L., assignor to The Budd Company, Philadelphia, Pa. Seam welded blanks and making them. 2,591,302, Apr. 1.

Schiff, Sigmund, Cincinnati, Ohio, assignor to United States of America as represented by the Secretary of War. Shell feeding mechanism for cannons. 2,604,820, July 29.

Schiffbauer, Max, Springfield, N. J. Mesh joint for pliers and like instruments. 2,611,288, Sept. 23.

Schiffl, Charles, Montclair, N. J. Automatic correcting mechanism for time devices. 2,590,289, June 3.

Schilling, Clarence J., Allentown, Pa., assignor to Air Products, Incorporated. Method and apparatus for controlling fractionating columns. 2,599,133, June 3.

Schilling, Clarence J., Allentown, Pa., assignor to Air Products, Incorporated. Gas separation apparatus. 2,619,336, Nov. 25.

Schilling, Clarence J., Allentown, Pa., assignor to Air Products, Incorporated. Air fractionating cycle and apparatus. 2,620,637, Dec. 9.

Schilling, Clarence J., assignor to Air Products, Incorporated, Chattanooga, Tenn. Separation of gas mixtures. 2,597,385, May 20.

Schilling, Fred J., New York, and A. De Natale, Bayside, N. Y. Apparatus for determining a coagulation factor of blood samples. 2,616,796, Nov. 4.

Schilling, Lorell J., Galesville, Wis., assignor to Babson Bros. Co. Electric fence energizer. 2,602,844, July 8.

Schilling, Paul W., Crookston, Minn. Railway car moving device. 2,607,300, Aug. 19.

Schilling, Philip R., Benton Harbor, Mich. Combined high chair and ladder. 2,584,742, Feb. 5.

Schilling, Robert, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Making single leaf springs. 2,608,752, Sept. 2.

Schilling, Ruth M., St. Paul, Minn., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,600,130, June 10.

Schilling, Walter F., Los Angeles, Calif. Cigarette lighter. 2,612,588, Sept. 30.

Schiller, Arthur M.: *See*—
Suen, Tzeng J., and Schiller.

Schimpke, Albert J., Detroit, Mich. Apparatus for washing and conditioning air. 2,599,202, June 3.

Schindler, Carl: *See*—
Kyle, William D., Jr., and Schindler.

Schindler, John, Brooklyn, N. Y. Packaging. 2,613,991, Oct. 14.

Schindler, Walter: *See*—
Häfliger, Franz, and Schindler.

Schink, Norbert F.: *See*—
Pigman, William W., Kerr and Schink.

Schippert, Florence J., Philadelphia, Pa. Mannequin or display figure. 2,601,740, July 1.

Schjeldahl, Gilmore T.: *See*—
Wiesman, Clarence K., Whetzell, and Schjeldahl.

Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Vehicle drive control. 2,594,811, Apr. 29.

Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Power transmission. 2,612,061, Sept. 30.

Schlabach, Levi, Sr., Delaware, Ohio. Electrical coin dispenser. 2,600,026, June 10.

Schlachman, Benjamin, Baltimore, Md., and W. S. Brower, Jr., Arlington, Va. Electronic stress-strain recorder. 2,593,493, Apr. 22.

Schlack, Carl A., United States Navy, Upper Darby, Pa., and B. L. Taylor, United States Navy, Garrett Park, Md. Apparatus for intraoral photography. 2,592,604, Apr. 15.

Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades Park, N. J., assignors to Valley Upholstery Corp., New York, N. Y. Furniture construction featuring leg structures and mounting means therefor. 2,588,417, Mar. 11.

Schlaeger, Julian R., Chicago Heights, Ill. Dentrifice. 2,588,992, Mar. 11.

Schlaf, Joseph W., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Sheet metal article and molding strip assembly. 2,592,472, Apr. 8.

Schlage, Ernest L., Burlingame, Calif. Reversible latch bolt unit. 2,613,094, Oct. 7.

Schlagel, Huntington R., Des Plaines, assignor to Charles Peckat Manufacturing Company, Maywood, Ill. Automobile awning support. 2,580,704, Jan. 1.

Schlamann, Johannes T. M., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Two-stroke cycle internal-combustion engine with slide valve. 2,591,619, Apr. 1.

Schlawin, Ralph G., Pittsfield, Mass., assignor to General Electric Company. Differential screw adjustment for magnetic core air gaps. 2,617,092, Nov. 4.

Schleenbaker, Jack P., assignor to National Novelty Company, Lancaster, Pa. Bottle brush with pivoted handle. 2,584,503, Feb. 5.

Schlegel, Alvin J., Wichita, Kans. Power-driven toothbrush with demountably supported rotary brushes. 2,583,886, Jan. 29.

Schlegel, Carl F., Brighton, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Buffing wheel. 2,616,228, Nov. 4.

Schlegel, Kurt, New York, N. Y. Machine for slicing stationarily positioned bakery products. 2,612,198, Sept. 30.

Schlegel Manufacturing Company, The, assignee: *See*—
Schlegel, Carl F.

Schlegel, Richard J.: *See*—
Schlegel, William A. and R. J.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,600,334, June 10.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,606,760, Aug. 12.

Schlegel, William A., Napoleon, and R. J. Defiance, Ohio. Automobile seat cover. 2,581,888, Jan. 8.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Rotary electromagnetic transfer switch. Re. 23,453. Jan. 15.

Schleimer, Floyd V.: *See*—
Davis, William H. H., and Schleimer.

Schlein, Seymour, Cleveland, assignor, by mesne assignments, to Ruger Equipment, Inc., Uhrichsville, Ohio. Truck mounted crane. 2,594,076. Apr. 22.

Schlenker, Ernest, St. Barnabe, Marseille, France. Separating fatty acids. 2,589,148, Mar. 11.

Schlenz, Harry E., Glencoe, assignor to Pacific Flush Tank Company, Chicago, Ill. Apparatus for heating materials. 2,586,998, Feb. 26.

Schleret, Armand P.: *See*—
Danielsen, August A., and Schleret.

Schlesinger, Albert, N. Weiner, and S. M. Gordon, Queens County, assignors to Endo Products, Inc., Richmond Hill, N. Y. N-(substituted-aminoethyl) 4-amino-benzoic acid diethylaminoethyl esters. 2,623,045, Dec. 23.

Schlesinger, Arthur H.: *See*—
Mowry, David T., and Schlesinger.

Schlesinger, Arthur H., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,617,721, Nov. 11.

Schlesinger, Arthur H., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,620,266, Dec. 2.

Schlesinger, Frank, New York, N. Y. Headwear. 2,586,181, Feb. 19.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium-aroyl aldehyde complexes and making same. 2,596,047. May 6.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of aluminum borohydride. 2,599,203, June 3.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium borohydride and making the same. 2,600,370, June 10.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium purification as complexes of esters of trifluoroacetoacetic acid. 2,614,113, Oct. 14.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Vertical deflection system. 2,609,507, Sept. 2.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Pulse width separation filter. 2,615,978. Oct. 28.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Electrostatic deflection system. 2,617,076, Nov. 4.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Electrostatic deflection system for cathode-ray tubes. 2,617,077, Nov. 4.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Color control for television systems. 2,623,942, Dec. 30.

Schlesinger, Kurt, New York, N. Y., assignor to Radio Corporation of America. Sawtooth wave voltage generator. 2,616,044. Oct. 28.

Schlesinger, Max A., New York, N. Y. Apparatus for projecting images from television receivers. 2,590,130, Mar. 25.

Schlesinger, Milton, Jamaica, N. Y. Dental apparatus. 2,621,407, Dec. 16.

Schlesman, Carleton H., Camden, and C. I. Glassbrook, Glen Echo Farm, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Electronic tube. 2,602,914, July 8.

Schlesser, Nicholas A., Chicago, Ill. Emergency door lock release. 2,618,498, Nov. 18.

Schlessinger, Ruth L., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of gas expanded plastic materials. 2,588,885, Mar. 11.

Schlichting, Helen N., assignee: *See*—
Schlichting, Herbert R.

Schlichting, Herbert R., deceased, New Berlin Township, Waukesha County; G. T. Garnett, Jr., administrator, assignor to H. N. Schlichting, Milwaukee, Wis. Waste stopper device. 2,615,177, Oct. 28.

Schlieder, Harold A.: *See*—
Weining, Harry H., and Schlieder.

Schlieder, Harold A., Erie, Pa., assignor to Continental Foundry and Machine Company, East Chicago, Ind. Automatic recirculating control for pumps. 2,622,533, Dec. 23.

Schlieder, Harold A., Syracuse, N. Y., assignor to Continental Foundry and Machine Company, East Chicago, Ind. Automatic recirculating control for pumps. 2,593,058, Apr. 15.

Schlobohm, Ludwig: *See*—
Stanitz, Jacques, and Schlobohm.

Schloen, John H., and L. V. Franchetto, assignors to Canadian Copper Refiners Limited, Montreal, Quebec, Canada. Electrolytic process of preparing selenic acid from selenious acid. 2,583,799, Jan. 29.

Schloer, Henry C., assignee: *See*—
Thomas, Orrin H., and Snyder.

Schloss, Jacques M., Greensboro, N. C. Tufted product and making same. 2,607,042, Aug. 19.

Schlosser, Carl E.: *See*—
Taylor, William D., Voegtlin, and Schlosser.

Schlosser, Harry: *See*—
Corson, Robert R., and Schlosser.

Schlosser, Paul H., and R. L. Mitchell, assignors to Rayonier Incorporated, Shelton, Wash. Steeping of cellulose. 2,614,102, Oct. 14.

Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Wood pulp and producing same. 2,623,875, Dec. 30.

Schlote, Guido F., and R. C. Winter, Milwaukee, assignors to De Pere Tool Products, Inc., De Pere, Wis. Spiral actuated slidable jaw end wrench. 2,603,116, July 15.

Schluchter, Alfred W., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Making grid bearings. 2,599,726, June 10.

Schluchter, Alfred W., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Grid bearing. 2,615,768, Oct. 28.

Schlueter, Ernest, Troy, assignor to Simmons Fastener Corporation, Albany, N. Y. Fastener for butt joints. 2,581,816, Jan. 8.

Schlueter, William A., Tulsa, Okla. Recording liquid gravitometer. 2,607,214, Aug. 19.

Schlumberger, Marcel: *See*—
Picard, Maxime F. B., and Schlumberger.

Schlumberger, Marcel, and M. F. B. Picard, assignors to Societe de Prospection Electrique Procedes Schlumberger, Paris, France. Acceleration-insensitive measuring instrument. 2,623,083, Dec. 23.

Schlumberger, Marcel, M. F. B. Picard, and F. L. H. Barreteau, assignors to Societe de Prospection Electrique Procedes Schlumberger, Paris, France. Shockproof angularly deflecting instrument. 2,623,084, Dec. 23.

Schlumberger Well Surveying Corporation, assignee: *See*—
Aiken, Charles B.
Blanchard, Andre.
Broding, Robert A.
Doll, Henri-Georges.
Huston, Owen H.
Krasnow, Shelley.
Krasnow, Shelley, and Curtiss.
Krasnow, Shelley, and Test.
Mennecier, Maurice.
Welz, Wilbur C.
Zimmerman, Carl W.

Schlumbohm, Peter, New York, N. Y. Water kettle. 2,608,321, Aug. 26.

Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. False twister. 2,620,517, Dec. 9.

Schlussel, Joseph, New York, N. Y. Sachet pocket for brassières. 2,610,325, Sept. 16.

Schluter, Herbert P. O., Brooklyn, N. Y. Cap for grease fittings. 2,587,000, Feb. 26.

Schlytern, Charles E., Detroit, Mich. Vertically reciprocating door installation and operating means. 2,607,586, Aug. 19.

Schmader, Thomas, Omaha, Nebr. Shape cutting machine arm. 2,587,232, Feb. 26.

Schmalenbach, Adolf, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, Inc., Pittsburgh, Pa. Continuous distillation of tar. 2,594,352, Apr. 29.

Schmalenbach, Adolf, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, Inc., Pittsburgh, Pa. Vertical purifiers or the like. 2,621,112. Dec. 9.

Schmaling, George P., Sr., Armonk, N. Y. Cigarette ash receiver. 2,595,103, Apr. 29.

Schmalz, Albano, Chicago, Ill. Pin forming and button-pinning mechanism. 2,591,203, Apr. 1.

Schmalzried, Harry L., North Manchester, Ind. Steering mechanism for wheeled frames. 2,592,194, Apr. 8.

Schmalzriedt, Allan F., administrator: *See*—
Weathers, Warren F.

Schmechel, Arno E., Thiensville, Wis. Rotating seesaw. 2,581,302, Jan. 1.

Schmedinghoff, Francis A., San Francisco, Calif. Shelf toothbrush holder. 2,580,961, Jan. 1.

Schmeling, Darrell D., Watertown, S. Dak. Shrinking hammer for sheet metal working. 2,599,786, June 10.

Schmelzle, Ambrose F., and E. E. Eastwold, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasion-resistant magnetic recording tape. 2,607,710, Aug. 19.

Schmerling, Louis *See*—
Thompson, Ralph B., and Schmerling.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of an activated form of alumina. 2,595,415, May 6.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of modified forms of alumina. 2,595,416, May 6.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Increasing the melting point of petrolatums and products resulting therefrom. 2,598,724, June 3.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Modification of the molecular structure and chemical composition of conjunct polymers. 2,602,820, July 8.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of heterocyclic compounds. 2,603,650, July 15.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Cycloalkyl aromatic ethers of polyalkylene glycols. 2,616,930, Nov. 4.

Schmid, Emil, Zurich, Switzerland. Cinematographic picture producer. 2,622,355, Dec. 23.

Schmid, Ford W.: *See*—
Palo, Maurice M., and Schmid.

Schmid, Herman A., Arcadia, Calif. Golf club cart. 2,597,386, May 20.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Valve operating mechanism. 2,599,204, June 3.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Roof drain. 2,599,205, June 3.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Strainer. 2,610,741, Sept. 16.

Schmid, John H., Erie, J. P. Tansey, Clairton, and F. J. Seigel, Pittsburgh, assignors to J. A. Zurn Manufacturing Company, Erie, Pa. Hydrant. 2,605,781, Aug. 5.

Schmid, Julius, Inc., assignee: *See*—
Taub, Abraham.

Schmid, Max: *See*—
Mueller, Willy, and Schmid.

Schmid, Max, Riehen, and E. Moser, assignors to Ciba Limited, Basel, Switzerland. Azo-dyestuffs. 2,583,519, Jan. 22.

Schmid, Max, Riehen, J. Danuser, Arlesheim, H. Johner, and E. Moser, Basel, and J. Wuergler, Neuewelt, near Basel, assignors to Ciba Limited, Basel, Switzerland. Azo dyestuffs. 2,591,470, Apr. 1.

Schmid, Max, Riehen, and E. Moser, assignors to Ciba Limited, Basel, Switzerland. Monoazo - dyestuffs. 2,621,173, Dec. 9.

Schmid, Paul E., assignor to Reed Roller Bit Company, Houston, Tex. Impact type clutch. 2,580,607, Jan. 1.

Schmid, Walter, and J. A. Simkus, assignors to Stewart-Warner Corporation, Chicago, Ill. Apparatus for forming lubrication fittings. 2,588,298, Mar. 4.

Schmidinger, Joseph, Lake George, N. Y. Snap action device. 2,615,106, Oct. 21.

Schmidlin, Albertus E., Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Trap for compressed gas systems. 2,585,045, Feb. 12.

Schmidt, Adolf P. C.: *See*—
Persch, Walther, and Schmidt.

Schmidt, Adolph W.: *See*—
Bailey, James S., and Schmidt.

Schmidt, Alois H., White Bear Lake, and W. J. Eklof, St. Paul, Minn. Combination portable icebox and cookstove. 2,608,191, Aug. 26.

Schmidt, August, Jr., Schenectady, N. Y., assignor to General Electric Company. Variable-speed electric motor. 2,581,208, Jan. 1.

Schmidt, Benjamin F., Los Angeles, Calif. Fluid actuated double-acting submersible pump. 2,606,500, Aug. 12.

Schmidt, Benjamin F., Los Angeles, Calif. Projectile. 2,612,108, Sept. 30.

Schmidt, Carl H., Jr., Detroit, Mich. Bathtub attachment for care of babies. 2,614,264, Oct. 21.

Schmidt, Edward G.: *See*—
DeCraene, Edmond P., and Schmidt.

Schmidt, Edwin L., Croton-on-Hudson, assignor to The Teleregister Corporation, New York, N. Y. System for magnetic storage of data. 2,587,532, Feb. 26.

Schmidt, Edwin X., Chenequa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Fluid pressure sensitive gauge. 2,620,666, Dec. 9.

Schmidt, Edwin X., and C. W. Warner, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Gas mixing control method and apparatus. 2,608,199, Aug. 26.

Schmidt, Erich: *See*—
Hayes, George A., and Schmidt.

Schmidt, Erwin J., Dayton, Ohio, assignor to The Dayton Rubber Company. Generator drive for railway vehicles. 2,608,936, Sept. 2.

Schmidt, Francis M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ chime control. 2,595,816, May 6.

Schmidt, Frank G., San Jose, Calif. Fishhook baiter. 2,584,231, Feb. 5.

Schmidt, Frederick W., assignor to Trustees Tumwater Square, Olympia, Wash. Stacking and nesting container. 2,599,727, June 10.

Schmidt, Friedrich W., Leverkusen-Wiesdorf, and K. E. Müller, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Synthetic polymers. 2,621,166, Dec. 9.

Schmidt, Gottfried J., Pearl River, N. Y., assignor to American Machine & Foundry Company. Bowling pin respotting mechanism. 2,611,612, Sept. 23.

Schmidt, Gottfried J., Pearl River, N. Y., assignor to American Machine & Foundry Company. Bowling pin holding apparatus. 2,611,613, Sept. 23.

Schmidt, Hans: *See*—
Behnisch, Robert, Mietzsch, and Schmidt.

Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor to Schenley Laboratories, Inc., New York, N. Y. Preparation of hydroxy-carboxylic-acids. 2,587,906, Mar. 4.

Schmidt, Hans, Wuppertal-Vohwinkel, R. Behnisch and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y. Thiosemicarbazones. 2,600,077, June 10.

Schmidt, Jacob H., Chicago, Ill. Plate cooler. 2,600,696, June 17.

Schmidt, Joachim, Heidelberg-Kirchheim, Germany. Process and apparatus for concentrating solutions. 2,617,274, Nov. 11.

Schmidt, John, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Credit accumulator mechanism. 2,596,441, May 13.

Schmidt, Julius: *See*—
Crownover, Joseph W., and Schmidt.

Schmidt, Max B.: *See*—
Jarrett, John W., Tangeman, and Schmidt.

Schmidt, Ottmar E.: *See*—
Groenshields, Robert O., Schmidt, and Kay.

Schmidt, Paul: *See*—
Druey, Jean, and Schmidt.

Schmidt, Paul E., Chicago, Ill. Valve adjusting tool. 2,599,489, June 3.

Schmidt, Richard F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Solutions of polymers of vinylidene cyanide in alkyl esters of phosphoric acid. 2,594,353, Apr. 29.

Schmidt, Richard F., Cuyahoga Falls, A. E. Ardis, and H. Gilbert, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vinylidene cyanide polymers and polymer products. 2,589,294, Mar. 18.

Schmidt, Theodore A., Berea, Ohio, assignor to Lerol Company, Milwaukee, Wis. Rotation and feed controlling valve for rock drills. 2,602,426, July 8.

Schmidt, Thur, Chicago, Ill. Can opener. 2,583,969, Jan. 29.

Schmidt, Thur, Chicago, Ill. Bottle carrier. 2,599,787, June 10.

Schmidt, Thur, Chicago, Ill. Beverage case. 2,619,251, Nov. 25.

Schmidt, Walter J., Jr., and F. H. Blanding, Cranford, N. J., assignors to Standard Oil Development Company. Products from catalytic cracking. 2,616,836, Nov. 4.

Schmidt, William D., assignor, by mesne assignments, to Leland-Gifford Company, Worcester, Mass. Layout device. 2,601,330, June 24.

Schmidt, William E.: *See*—
Daily, Edward H., and Schmidt.

Schmidt, William J., Independence, Mo., assignor to American Optical Company, Southbridge, Mass. Lens axis aligning device. 2,621,418, Dec. 16.

Schmidt, Willy A.: *See*—
Sprung, Joseph A., and Schmidt.

Schmidtke, Albert H., St. Joseph, assignor to F. P. Rosback Company, Benton Harbor, Mich. Signature feeding and stitching machine. 2,615,161, Oct. 28.

Schmidt-Nickels, Wilhelm: *See*—
Max, Fritz, and Schmidt-Nickels.

Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Condensation products of benzanthrone-B_2-carboxylic acid chloride and fluoranthene. 2,600,364, June 10.

Schmied, Joseph M., Chicago, Ill., assignor to Package Machinery Company, East Longmeadow, Mass. Carton closing and flap tucking machine. 2,598,135, May 27.

Schmied, Joseph M., assignor to Schulze and Burch Biscuit Co., Chicago, Ill. Article conveying and stacking apparatus. 2,604,972, July 29.

Schmieder, Fritz, assignor to Anker-Werke, A. G., Bielefeld, Germany. Check dispensing business machine. 2,617,357, Nov. 11.

Schmieder, James, Austin, Minn. Hoist attachment for jacks. 2,585,856, Feb. 12.

Schmieding, Warren H. F., assignee: *See*—
Wolfinger, Robert F.

Schmiel, Herbert H., Cleveland, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Tank unit with internal pump and valve. 2,621,593, Dec. 16.

Schmirler, Leona W., Wausau, Wis. Carton for holding eggs. 2,594,504, Apr. 29.

Schmitt, Robert R.: *See*—
Shannon, John K., and Schmitt.

Schmitt, Désiré, Saint-Maur, assignor to "Ateliers de Constructions Lavalette," Saint-Ouen, France. Fuel flow regulator for supercharged aircraft engines. 2,593,802, Apr. 22.

Schmitt, Herman, Sheboygan, Wis. Double-action can opener and bottle cap remover. 2,602,218, July 8.

Schmitt, John H., Verona, N. J. Hanger for window screens and storm windows. 2,621,361, Dec. 16.

Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Voltage stabilizer. 2,599,945, June 10.

Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Noise generator. 2,601,226, June 24.

Schmitt, Otto H., Mineola, N. Y., assignor to United States of America as represented by the Secretary of the Navy. Field strength recorder. 2,602,884, July 8.

Schmitt, Otto H., Minneapolis, Minn., W. E. Fromm, East Williston, W. A. Falls, East Hempstead, F. R. Barnes, Westbury, and R. E. Avery, Oyster Bay, assignors to Airborne Instruments Laboratory, Inc., Mineola, N. Y. Antenna field pattern measuring system. 2,602,924, July 8.

Schmitt, Peter A., Modesto, Calif. Seam ripping device. 2,611,954, Sept. 30.

Schmitt, Ralph J.: *See*—
Sifferd, Robert H., and Schmitt.

Schmitt, William H., assignor to The Rialto Corporation, Rialto, Calif. O ring valve seat. 2,621,885, Dec. 16.

Schmitten, Donald C.: *See*—
Embree, Earl P., and Schmitten.

Schmitter, Carl H., assignor to The Falk Corporation, Milwaukee, Wis. Vertical shaft seal. 2,583,671, Jan. 29.

Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Air-cooled gear set. 2,583,751, Jan. 29.

Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Speed reducer. 2,596,794, May 13.

Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Sanitary gear and motor. 2,600,697, June 17.

Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Transmission. 2,612,786, Oct. 7.

Schmittroth, Vincent R., Dillon, Mont. Machine for forming dough into rolls and the like. 2,618,227, Nov. 18.

Schmitz, Albert A., Racine, Wis. Remote control for power drives. 2,609,701, Sept. 9.

Schmitz, Carl E., assignor to Crane Packing Company, Chicago, Ill. Drive for washer of mechanical rotary seals. 2,589,631, Mar. 18.

Schmitz, Ewald, and R. C. Weber, assignors to A. O. Smith Corporation, Milwaukee, Wis. Constructing open-top enamel-lined cylindrical tanks. 2,616,163, Nov. 4.

Schmitz, Fred W., and R. S. Egly, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of nitroparaffins. 2,597,753, May 20.

Schmitz, George J., Kansas City, Mo. Banana crate. 2,598,136, May 27.

Schmitz, Harry, Brooklyn, N. Y. Snow removing apparatus. 2,616,413, Nov. 4.

Schmitz, Harry, Brooklyn, N. Y. Electrically operated steam generator. 2,617,010, Nov. 4.

Schmitz, John E., Cedarburg, Wis. Radiator cleaner. 2,623,791, Dec. 30.

Schmitz, Norbert L.: *See*—
Hunter, Richard B., Pell, and Schmitz.

Schmitz, Norbert L., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Low-frequency generator. 2,619,629, Nov. 25.

Schmitz, Roger T., assignee: *See*—
Walls, Frederick M.

Schmitz, Werner, and J. Schneider, Grenchen, Switzerland. Watertight watch. 2,602,286, July 8.

Schmitz, William R., Jr.: *See*—
Bradshaw, William H., and Schmitz.

Schmucker, Loftin W., assignee: *See*—
Miller, Hubert E.

Schmuldt, Karl A., Emmaus, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for guiding lead wires to be soldered to crystals. 2,584,297, Feb. 5.

Schmutzler, Alfred F., Teaneck, N. J., assignor to American Cyanamid Company, New York, N. Y. Tall oil modified alkyd resins and preparing the same. 2,590,653, Mar. 25.

Schmutzler, Alfred F., Teaneck, N. J., assignor to American Cyanamid Company, New York, N. Y. Printing ink from tall oil modified alkyd resins. 2,590,654, Mar. 25.

Schmutzler, Alfred F., Teaneck, N. J., assignor to American Cyanamid Company, New York, N. Y. Modified tall oil esters and preparing the same. 2,590,655, Mar. 25.

Schmutzler, Alfred F., Teaneck, N. J. Printing inks. 2,597,903, May 27.

Schmutzler, Alfred F., Teaneck, N. J., assignor to American Cyanamid Company, New York, N. Y. Modified dicyandiamide resins and preparing the same. 2,606,885, Aug. 12.

Schmutzler, Alfred F., Teaneck, N. J., and D. F. Othmer, Coudersport, Pa. Printing ink. 2,606,123, Aug. 5.

Schmutzler, Alfred F., Teaneck, N. J., and D. F. Othmer, Coudersport, Pa. Printing ink. 2,606,124, Aug. 5.

Schnabel Company, The, assignee: *See*—
Schnabel, Paul R.

Schnabel, Paul R., Oakmont, assignor to The Schnabel Company, Pittsburgh, Pa. Insulated refrigerator vehicle body. 2,612,028, Sept. 30.

Schnack, Carl H. S., Los Angeles, Calif. Lipstick holder. 2,621,786, Dec. 16.

Schnacke Manufacturing Corporation, assignee: *See*—
Riecken, George L. and G. C.

Schnacke, Walter H., Evansville, Ind. Internal-combustion engine starter. 2,604,882, July 29.

Schnadt, Henri, Brussels, Belgium. Specimens for use in determining the brittleness of materials. 2,617,293, Nov. 11.

Schnakenberg, George H. F.: *See*—
Bellard, Jean Q., and Schnakenberg.

Schnebel, Verne H., Clark Township, assignor to Merck & Co., Inc., Rahway, N. J. Safety valve. 2,590,656, Mar. 25.

Schneck, Frederick W., Northbridge, and R. M. McNeill, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic pumping jack for in-the-well pumps. 2,582,564, Jan. 15.

Schneebeli, Gottfried, Zurich, assignor to Robert Schwarzenbach & Co., Thalwil, Zurich, Switzerland. Loom cloth edge determining device. 2,591,725, Apr. 8.

Schneeweiss, Peter Cleveland, Ohio. Piepan support. 2,583,887, Jan. 29.

Schneible, Claude B., Detroit, Mich. Gaseous curtain for ventilating exhaust. 2,593,702, Apr. 22.

Schneible, Claude B., Detroit, Mich. Column apparatus. 2,596,104, May 13.

Schneible, Claude B., Detroit, Mich. Column apparatus. 2,596,105, May 13.

Schneible, Claude B., Detroit, Mich. Column apparatus. 2,596,106, May 13.

Schneible, Claude B., assignor to C. B. Schneible Company, Detroit, Mich. Liquid distributor. 2,597,192, May 20.

Schneible, Claude B., Detroit, and A. S. Lundy, Huntington Woods, Mich.; said Lundy assignor to said Schneible. Apparatus for treatment of gas. 2,589,149, Mar. 11.

Schneible, Claude B., Company, assignee: *See*—
Schneible, Claude B.

Schneider, Albert P., Milwaukee, Wis. Hydraulic control system. 2,583,307, Jan. 22.

Schneider, Allan K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification of linear polyamides whose amide groups are separated by at least 4 carbons with N-carboanhydrides of alpha amino acids. 2,592,473, Apr. 8.

Schneider, Alexander W.: *See*—
Reid, William B., Jr., and Schneider.

Schneider, Benjamin B., Chicago, Ill., assignor to Texaco Development Corporation, New York, N. Y. Radiation detector. 2,599,352, June 3.

Schneider Brothers Company, assignee: *See*—
Schneider, Heinrich.

Schneider, Cale J., Toledo, Ohio. Cake breaker and cutter. 2,588,579, Mar. 11.

Schneider, Charles, Los Angeles, Calif. Chair construction having a spring support. 2,607,397, Aug. 19.

Schneider, Charles, Los Angeles, Calif. Folding leg structure for articles of furniture. 2,615,502, Oct. 28.

Schneider, Edwin G., Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar display. 2,600,335, June 10.

Schneider, Erwin L., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Production of titanium dioxide. 2,589,910, Mar. 18.

Schneider, Frank J., Jr.: *See*—
Ehlert, William C., and Schneider.

Schneider, Frederick H.: *See*—
Conron, William H., and Schneider.

Schneider, George, South Orange, and B. Andersen, Maplewood, N. J., assignors to Celanese Corporation of America, New York, N. Y. Method and apparatus for forming gel-free thermoplastic films. 2,607,954, Aug. 26.

Schneider, George F., Shaker Heights, Ohio, assignor to K. F. J. Kirsten, Seattle, Wash. Propeller thrust coordinating mechanism. 2,585,502, Feb. 12.

Schneider, George O., San Francisco, Calif. Portable sawing apparatus for prostrate logs. 2,609,848, Sept. 9.

Schneider, Gerald W.: *See*—
Schneider, Kenneth E., and G. W.

Schneider, Harold, New Bedford, Mass. Slide-in handle for brief cases. 2,589,438, Mar. 18.

Schneider, Harold N., Philadelphia, Pa., assignor to General Electric Company. Fluid actuated electric circuit breaker. 2,598,446, May 27.

Schneider, Harry H., Bronx, N. Y. Vapor charging system for internal-combustion engines. 2,598,445, May 27.

Schneider, Heinrich, Chicago, Ill., assignor to Schneider Brothers Company. Power transmission. 2,618,164, Nov. 18.

Schneider, Heinrich, assignor to Schneider Brothers Company, Hamilton, Ohio. Turbosupercharged internal-combustion engine having hydraulic means to connect turbine to engine output shaft at high load. 2,585,968, Feb. 19.

Schneider, Helmuth G., Westfield, D. W. Young, Roselle, and H. G. Goering, Elizabeth, N. J., assignors to Standard Oil Development Company. Selective copolymerization of isobutylene from a C_4 mixture. 2,604,465, July 22.

Schneider, Jakob: *See*—
Schmitz, Werner, and Schneider.

Schneider, John F., Jr., Ridgewood, assignor to Buttondex Corporation, New York, N. Y. Apparatus for positioning and broaching buttons. 2,582,461, Jan. 15.

Schneider, John G., Toledo, Ohio. Multiple electric outlet. 2,619,516, Nov. 25.

Schneider, Jos., & Co., assignee: *See*—
Albrecht, Wolfram W.
Schütz, Karl H.
Weiss, Karl J.

Schneider, Karl: *See*—
Burdick, Will S., Jacobs, and Schneider.

Schneider, Kenneth E., and G. W. Schneider, Borger, Tex. Line holder. 2,612,695, Oct. 7.

Schneider, Kurt A., Sandston, Va. Display stand. 2,595,002, Apr. 29.

Schneider, Leon: *See*—
Haas, Otto, Schaedler, and Schneider.

Schneider, Nathan, Mount Vernon, N. Y., assignor to K-D Manufacturing Company, Lancaster, Pa. Valve spring compressor. 2,601,639, June 24.

Schneider, Nicholas C., assignee: *See*—
McKee, Harry G.

Schneider, Nicholas M., Bayonne, and R. M. Dean, Westfield, N. J., assignors to Standard Oil Development Company. Formation of a sulfurized halogenated aliphatic hydrocarbon. 2,611,766, Sept. 23.

Schneider, Paul L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,614,230, Oct. 14.

Schneider, Paul L., W. H. Taylor and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter control apparatus. 2,609,514, Sept. 2.

Schneider, Philip J., trustee, assignee: *See*—
Butler, Clyde G.

Schneider, Thomas C., Gainesville, Tex. Barrel lifter. 2,605,128, July 29.

Schneider, Valerie, Phillips, Tex., assignor to Phillips Petroleum Company. Insecticide. 2,589,150, Mar. 11.

Schneider, William C.: *See*—
Mend, John C., and Schneider.
Kolachov, Paul J., and Schneider.

Schneider, William R., Berkeley, Calif. System and method for protecting pipes and other current conducting structures against electrolytic corrosion. 2,584,623, Feb. 5.

Schneidewind, Richard, Ann Arbor, assignor to Industrial Metal Abrasive Company, Jackson, Mich. Ball-peening and cleaning shot. 2,611,690, Sept. 23.

Schnell, August and A. Bosshard, Zurich, Switzerland, assignors to Durisol Inc., New York, N. Y. Producing lightweight concrete. 2,592,345, Apr. 8.

Schnell, Michael S., Salem, Ohio. Drawing material. 2,602,411, July 8.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,583,888, Jan. 29.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe adjusting mechanism. 2,620,049, Dec. 2.

Schnellmann, Oskar, Zurich, assignor to Machine Tool Works, Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Machine for manufacturing match splints. 2,587,655, Mar. 4.

Schnellpressenfabrik Aktiengesellschaft Heidelberg, assignee: *See*—
Hunziker, Emil.

Schnepel, Douglas V., Elmira, N. Y. Transverse sliding breech bolt lock. 2,594,354, Apr. 29.

Schnepel, Frederick W., Elmira, N. Y. Fishing reel. 2,591,204, Apr. 1.

Schnepp, Louis W., San Bernardino, Calif. Flexible hydraulic tube and auger for cleaning clogged pipes. 2,608,421, Aug. 26.

Schniertshauer, Albert E.: *See*—
Pentecost, Arthur, and Schniertshauer.

Schniepp, Lester E.: *See*—
Alexander, Kliem, and Schniepp.

Schnippel, Edward V. and N. F., and D. D. Miller, Piqua, Ohio. Electrohydraulic operating unit for adjustable bed frames. 2,582,565, Jan. 15.

Schnippel, Norbert F.: *See*—
Schnippel, Edward V. and N. F., and Miller.

Schnitzler, Walter A., Emerald, Wis. Welding helmet with air pressure responsive shiftable eye protective lens. 2,613,353, Oct. 14.

Schnorr, Harry J., Philadelphia, Pa. Fire extinguisher. 2,607,429, Aug. 19.

Schnuck, Carl F., North Haven, and O. W. Hooker, Woodbridge, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Rubber mixer. 2,615,689, Oct. 28.

Schnurer, Carolyn, Design Studios, Ltd., assignee: *See*—
Schnurer, Carolyn G.

Schnurer, Carolyn G., assignor to Carolyn Schnurer Design Studios, Ltd., New York, N. Y. Lady's sleeveless garment. 2,593,059, Apr. 15.

Schnürle, Adolf, deceased, and O. Elwert, Stuttgart, Germany; said Elwert assignor to said Schnürle; G. Schnürle, administratrix of said A. Schnürle. Two-stroke cycle internal-combustion engine. 2,609,802, Sept. 2.

Schnürle, Gertrud, administratrix: *See*—
Schnürle, Adolf, and Elwert.

Schnyder, Ottmar, Klus, near Balsthal, assignor to Gesellschaft der Ludw. von Roll'schen Eisenwerke A. G., Klus, Switzerland. Twin plunger valve. 2,592,474, Apr. 8.

Schock, Gusmer & Co. Inc., assignee: *See*—
Heller, William.
Smith, Albert C., and Hagen.

Schocket, Abrahani, Bronx, N. Y. Snap front handbag. 2,612,199, Sept. 30.

Schoeffel, Eugene W., Kronenwetter, assignor to Salvo Chemical Corporation, Rothschild, Wis. Manufacture of vanillin. 2,598,311, May 27.

Schoeffel, Malcolm F.: *See*—
Pooler, Louis G., and Schoeffel.

Schoelkopf, Louis F., Madison, Wis. Door latching and starting apparatus. 2,601,983, July 1.

Schoellerman, Alvin L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Producing stiffened skin panel. 2,582,358, Jan. 15.

Schoemann, Paul, Toulon-Claret, France. Apparatus for vacuum sealing of containers. 2,591,015, Apr. 1.

Schoen, André, Bangor, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Vat dye photoprints. 2,611,701, Sept. 23.

Schoen, Karl, Kew Gardens, and S. M. Gordon, Forest Hills, assignors to Endo Products, Inc., Richmond Hill, N. Y. Riboflavin-formaldehyde reaction product. 2,587,533, Feb. 26.

Schoen, Kurt F.: *See*—
Maurer, Willy K., Schoen, and Frey.

Schoen, Moritz, New York, N. Y. Chest or container structure. 2,591,726, Apr. 8.

Schoenbanm, Alexander W., and J. T. Ashworth, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y. Apparatus for determining moisture content of tobacco. 2,587,771, Mar. 4.

Schoenbaum, Joseph R.: *See*—
Chilson, Charles W., and Schoenbaum.

Schoenberger, W. J., Company, The, assignee: *See*—
Stuckenholt, Casper S.

Schoene, Dwight L.: *See*—
Hoffmann, Otto L., and Schoene.
Knapp, Robert L., and Schoene.

Schoeneck, George: *See*—
Rowe, Oliver R., Schoeneck, and Stolp.

Schoenfeld, David M.: *See*—
Armacost, Wilbur H., and Schoenfeld.

Schoenfeld, David M., New York, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam boiler with equalized water level. 2,612,144, Sept. 30.

Schoenfeldt, Herman R., South Euclid, Ohio, assignor to General Electric Company. Fluorescent coating method. 2,619,472, Nov. 25.

Schoenherr, Leonard W., Ludington, Mich. Impaling pin target. 2,591,016, Apr. 1.

Schoenholz, Daniel: *See*—
Morrison, George O., and Schoenholz.

Schoenholz, Daniel, Bronx, and H. Terry, New York, N. Y., assignors to Foster D. Snell Inc. Bright drying finishing composition. 2,596,960, May 13.

Schoenhut, Harry E., Staunton, Va. Stocking package. 2,612,260, Sept. 30.

Schoenlaub, Robert A., assignor to Sylvester & Company, Cleveland, Ohio. Recovering magnesia. 2,587,656, Mar. 4.

Schoenlaub, Robert A., assignor to Sylvester & Company, Cleveland, Ohio. Hermetically sealed insulator bushing assembly. 2,591,205, Apr. 1.

Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Obtaining magnesia from magnesia-containing rock. 2,581,719, Jan. 8.

Schoenmakers, Pieter J., and W. L. van de Putte, Delft, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Apparatus for the indirect heating of fluids. 2,610,842, Sept. 16.

Schoenrock, Otto R., assignor to J. I. Case Company, Racine, Wis. Conveying means for harvester headers. 2,608,041, Aug. 26.

Schoenwetter, Reinhold D., Rosslyn, Va., assignor, by mesne assignments, to J. Donella, Long Island City, N. Y. Oil burner. 2,582,888, Jan. 15.

Schoepe, Adolf, assignor to Kwikset Locks, Inc., Anaheim, Calif. Strike. 2,613,096, Oct. 7.

Schoepfer, Alfred C., St. Petersburg, Fla. Window glass protector. 2,607,088, Aug. 19.

Schoeppel, John F., Grand Rapids, Mich., and W. A. Stone, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscope. 2,607,231, Aug. 19.

Schoeppner, Karl P., Whitefish Bay, and C. F. Zaitz, Port Washington, assignors to Harnischfeger Corporation, Milwaukee, Wis. Priming apparatus for internal-combustion engines. 2,601,562, June 24.

Schoerner, Rudolph T.: *See*—
White, John H., and Schoerner.

Schoessow, Glen J., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Boiler and furnace wall support. 2,583,599, Jan. 29.

Schoffman, Milton: *See*—
MacKenzie, Charles A., and Schoffman.

Schofield, Alan L., Lowell, Mass. Obstetrical instrument. 2,592,959, Apr. 15.

Schofield, Cecil S.: *See*—
Churchill, Henry W. S., and Schofield.

Schofield, E. L., Incorporated, assignee: *See*—
Schofield, Earl L.
Schofield, Earl L., and Davis.

Schofield, Earl L., assignor to E. L. Schofield, Incorporated, Rockford, Ill. Fold-away casket rack for hearses. 2,585,046, Feb. 12.

Schofield, Earl L., assignor to E. L. Schofield, Incorporated, Rockford, Ill. Automatic power table for side service hearses. 2,589,295, Mar. 18.

Schofield, Earl L., assignor to E. L. Schofield, Incorporated, Rockford, Ill. Hydraulic leveling device. 2,616,713, Nov. 4.

Schofield, Earl L., and B. C. Davis, assignors to E. L. Schofield, Incorporated, Rockford, Ill. Recirculating air heater. 2,623,735, Dec. 30.

Schofield, Edwin R.: *See*—
Hess, Frederic O., Tark, and Schofield.

Schofield, Fred B.: *See*—
Bassindale, Isaac B., and Schofield.

Schofield, John D., New York, N. Y. Dispensing attachment for containers. 2,593,803, Apr. 22.

Schofield, Wilfred C., Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc. Motor-driven blowoff valve. 2,615,469, Oct. 28.

Scholfield, Keith R., East Moline, assignor to Deere & Company, Moline, Ill. Tractor mounted cultivator. 2,619,886, Dec. 2.

Scholl, Clark, assignor to The Steel Products Engineering Company, Springfield, Ohio. Ash disposal apparatus for stokers. 2,602,577, July 8.

Scholl Mfg. Co., Inc., The, assignee: *See*—
Crawford, Claud F.
Digate, James S.

Scholl, William M., Chicago, Ill. Arch support and making same. 2,581,605, Jan. 8.

Scholl, William M., Chicago, Ill. Surgical pad. 2,585,691, Feb. 12.

Scholl, William M., Chicago, Ill. Cushioning and corrective insole. 2,585,692, Feb. 12.

Scholl, William M., Chicago, Ill. Metatarsal arch supporting pad. 2,591,378, Apr. 1.

Scholting, Melvin J., San Francisco, Calif. Tepee. 2,596,442, May 13.

Schomaker, George W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone ringer. 2,607,833, Aug. 19.

Schon, Einar B., Sun Prairie, Wis. Duplicating attachment for contour shaping machines. 2,582,170, Jan. 8.

Schön, Ludwig, and T. Hower, assignors to Fried. Krupp Elektrowerkstatten, Essen, Germany. Arrangement for charging storage batteries. 2,607,027, Aug. 12.

Schonert, Koester E., assignor to Electro Craft Incorporated, Stamford, Conn. Vehicle tire traction device. 2,610,665, Sept. 16.

Schonitzer, Rudolph L., assignee: *See*—
Allen, Edwin L.
Allen, Edwin L., De Vito, and Muster.

Schönlau, Wybrand J. K.: *See*—
Houwink, Roelof and Schönlau.

Schonstedt, Eric O.: *See*—
Alldredge, Leroy R., and Schonstedt.

Schonstedt, Erick O., Minneapolis, Minn. Anchoring and connecting means for strain-cored electrical cables. 2,590,131, Mar. 25.

Schonstedt, Erick O., Washington, D. C. Sun compass. 2,612,693, Oct. 7.

Schooley, Allen H., Washington, D. C. Precision range finding apparatus. 2,624,044, Dec. 30.

Schoonenberg, Pancras J., Eindhoven, Netherlands. Expansible printing cylinder for rotary multicolor printing. 2,583,889, Jan. 29.

Schoonmaker, Carl, New York, N. Y. Toaster. 2,582,760, Jan. 15.

Schoonmaker, Raymond B., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Transformer terminal connector. 2,581,500, Jan. 8.

Schoonmaker, Raymond B., S. P. Becker, and H. R. Wengen, assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Messenger wire clamp. 2,584,743, Feb. 5.

Schoot, Cornelis J.: *See*—
Klaassens, Klaas H., and Schoot.

Schoot, Lawrence A., Detroit, Mich. Transmission. 2,593,804, Apr. 22.

Schopp, Otto, Phoenix, Ariz. Water faucet. 2,610,650, Sept. 16.

Schopper, William H., Indianapolis, Ind. Automobile bumper seat. 2,601,888, July 1.

Schörg, Carl C., Franfurt-on-the-Main-Hochst, Germany. Induction coil mounting. 2,623,081, Dec. 23.

Schott, Charles W., Pittsburgh, Pa., assignor to United States Steel Company. Stamping wheel. 2,585,410, Feb. 12.

Schott, Harold C., assignee: *See*—
Pelouch, James J.

Schott, John E., New York, and E. L. Armstrong, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Extreme pressure greases. 2,583,394, Jan. 22.

Schott, Howard H., Greenwich, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Coffee maker. 2,619,895, Dec. 2.

Schottelkotte, Franklin B., St. Bernard, assignor to The E. W. Buschman Co., Cincinnati, Ohio. Switching means for conveyers. 2,613,790, Oct. 14.

Schottler, Henry, New Orleans, La., assignor to Roller Gear Corporation, New York, N. Y. Variable-speed transmission. 2,586,725, Feb. 19.

Schotz, Otto W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Control for motor vehicle transmissions. 2,621,525, Dec. 16.

Schotz, Otto W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,621,533, Dec. 16.

Schowalter, Clarence H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Dual fuel engine. 2,612,880, Oct. 7.

Schowalter, Clarence H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Gas engine. 2,594,224, Apr. 22.

Schrade, George M., Bridgeport, Conn. Pocket knife. 2,596,294, May 13.

Schrader, George F., Richmond, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse generator. 2,605,449, July 29.

Schrader, Gerhard, Opladen-Bruchhausen, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Neutral esters of thiolphosphoric acid. 2,597,534, May 20.

Schrader, Gerhard, Opladen-Bruchhausen, and H. Kükenthal, Leverkusen-Bayerwerk, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Esters of thiophosphoric acid. 2,583,744, Jan. 29.

Schrader, Herbert: *See*—
Johnson, Scott R., Royal, and Schrader.

Schrader, Milford J., and D. E. Cooke, assignors to Gibson Refrigerator Company, Greenville, Mich. Refrigerator door butter compartment. 2,612,029, Sept. 30.

Schrader, Paul G., and A. M. Partansky, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Adhesive comprising a mixture of a nucleated and nonnucleated phenolic resins. 2,620,288, Dec. 2.

Schrader, Paul G., and A. M. Partansky, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making phenol-formaldehyde resin and products thereof. 2,620,321, Dec. 2.

Schrader, William L., Philadelphia, Pa., assignor to John Chatillon & Sons, New York, N. Y. Load pointer for weighing scales. 2,593,060, Apr. 15.

Schradermeier, Lottie M., North Hollywood, Calif. Toy purse combination. 2,591,379, Apr. 1.

Schraeder, Charles H., Detroit, Mich. Eaves flashing for gutter-protecting device. 2,613,621, Oct. 14.

Schrage, Bote, J. Wijsman and H. van den Steenhoven, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flushing cistern. 2,593,061, Apr. 15.

Schram, Orland L. R., and F. E. Smith, assignors to The Master Electric Company, Dayton, Ohio. Governor. 2,586,867, Feb. 26.

Schramm, Arthur G., Phoenix, Ariz. Trailer loader. 2,609,953, Sept. 9.

Schramm, Arthur G., Phoenix, Ariz. Spring suspension for vehicles. 2,614,863, Oct. 21.

Schramm, August F., Jr., White Plains, N. Y. Making a stiffened permeable resin coated fibrous sheet. 2,603,575, July 15.

Schramm, Henry W.: *See*—
Nesbitt, John D., and Schramm.

Schramm, Inc., assignee: *See*—
Repscha, Albert H., and Fox.

Schreck, Irvin F., Cleveland Heights, Ohio. Drive control for motorized hand lift trucks. 2,588,664, Mar. 11.

Schreck, Irvin F., Cleveland Heights, Ohio. Power propelled truck of the type provided with a steering handle connected to a swiveled traction wheel. 2,601,171, June 17.

Schreckengost, Harold C., Erie, Pa. Ventilating device for automobiles. 2,610,566, Sept. 16.

Schreeck, Karl W., Cleveland, Ohio. Liquid cooled muffler. 2,612,235, Sept. 30.

Schreiber, Allen B., deceased, St. Joseph, Mo.: H. V. Schreiber, executrix. Feed grinding and die expressing machine. 2,583,600, Jan. 29.

Schreiber & Goldberg, assignee: *See*—
Goldberg, David.

Schreiber, Hazle V., executrix: *See*—
Schreiber, Allen B.

Schreiber, Louis J. J., deceased, Antwerp, Belgium, by C. H. L. B. Martin, widow and heir, L. A. Schreiber and R. A. J. A. van Beurden, Antwerp, and P. R. Schreiber, Berchem, heirs, and G. X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone coin collector. 2,610,253, Sept. 9.
Schreiber, Louise A., heir: *See*—
Schreiber, Louis J. J.
Schreiber Mills, Inc., assignee: *See*—
Hailey, William H.
Schreiber, Patrick Q. R., assignor to Robert Legg Limited, London, England. Machine for cutting tobacco and the like. 2,614,596, Oct. 21.
Schreiber, Paul F., Evansville, Ill., assignor to International Harvester Company. Testing for excess moisture content in refrigerating systems. 2,613,534, Oct. 14.
Schreiber, Paul R., Akron, Ohio. Garage door. 2,597,824, May 20.
Schreiber, Paul R., heir: *See*—
Schreiber, Louis J. J.
Schreier, Eduard, Riehen, near Basel, Switzerland. Hand slicing device. 2,603,263, July 15.
Schreier, Konrad F., Lake Forest, and Ben Bartolucci, Chicago, Ill. Air and gas cleaner. 2,609,062, Sept. 2.
Schreiner, Ernest: *See*—
Cohen, David, and Schreiner.
Schreiner, Otto, Vienna, Austria. Convertible automobile body structure. 2,591,380, Apr. 1.
Schrenk, Otto J.: *See*—
Kloser, Martin M., Kimball, and Schrenk.
Schrepper, George F., Algonac, Mich. Corner forming tool. 2,608,853, Sept. 2.
Schreyer, Ralph C., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 3-methyleneglutaronitrile. 2,609,385, Sept. 2.
Schriner, Oliver L.: *See*—
Schriner, Russell M. and O. L., and Whyte.
Schriner, Philip J.: *See*—
Le Master, Harold A., and Schriner.
Schriner, Russell M. and O. L., Attica, and L. M. Whyte, Pittsford, N. Y. Mechanical puzzle. 2,591,303, Apr. 1.
Schrock, Daniel A., assignor to Idaho Sprocket and Machine Works, Boise, Idaho. Motorized pulley. 2,615,941, Oct. 28.
Schrock, Norman B.: *See*—
Packard, David, and Schrock.
Schrock, Woodrow W., Indiana, Pa. Potato separator. 2,616,564, Nov. 4.
Schroder, Charles, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Ribbon feed for typewriting machines. 2,609,077, Sept. 2.
Schröder, Werner, Dusseldorf, and R. Bönninghaus, Hamm, Westphalia, Germany. Method and apparatus for molding reinforced concrete elements. 2,607,099, Aug. 19.
Schroeder, Alfred C.: *See*—
Fredendall, Gordon L., and Schroeder.
Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Picture reproducing apparatus. 2,595,548, May 6.
Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Television receiving system. 2,596,918, May 13.
Schroeder, Alfred C., Southampton, Pa., assignor to Radio Corporation of America. Quantizing apparatus. 2,597,677, May 20.
Schroeder, Alfred C., Feasterville, Pa., and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Electronic spectroscope. 2,593,616, Apr. 22.
Schroeder, Bernard A.: *See*—
Fleischmann, Lester K., and Schroeder.
Schroeder, Carl W.: *See*—
Shokal, Edward C., and Schroeder.
Schroeder, Charles D., Kansas City, Kans. Glare shield. 2,622,922, Dec. 23.
Schroeder, Charles H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Semihard rubber composition and platen cover thereof. 2,588,993, Mar. 11.
Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Scale. 2,593,615, Apr. 22.
Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Control for motorized trucks. 2,605,008, July 29.
Schroeder, Charles S., Philadelphia, Pa., assignor, by mesne assignments, to The Jacobs Bros. Co. Inc., New York, N. Y. Pendulum scale. 2,618,476, Nov. 18.
Schroeder, Donald E.: *See*—
Gallagher, William P., Stolle, and Schroeder.
Schroeder, Elmer F.: *See*—
Papesch, Viktor, and Schroeder.
Schroeder, Elmer F., assignor to G. D. Searle & Co., Chicago, Ill. 2-trihalomethyl-1,3-dioxolane-4-carboxybenzoate and carboxyalkanoate. 2,589,296, Mar. 18.
Schroeder, Elmer F., assignor to G. D. Searle & Co., Chicago, Ill. Trihalomethyl derivatives of 1,3-dioxane. 2,595,304, May 6.
Schroeder, Eugene F., Lakeview, Iowa. Roller keel boat trailer. 2,586,485, Feb. 19.
Schroeder, Herman C.: *See*—
Breit, Robert J., and Schroeder.
Schroeder, George W.: *See*—
Struthers, Donald K., and Schroeder.
Schroeder, George W., McHenry, Ill., assignor to Hotpoint Inc. Combination electric and ultrahigh-frequency heating apparatus. 2,597,825, May 20.
Schroeder, Harold J.: *See*—
Nichols, Clayton W., Jr., Armstrong, and Schroeder.
Schroeder, Henry F., Milwaukee, Wis. Apparatus for reducing the porosity of castings. 2,610,372, Sept. 16.
Schroeder, Herman E., Kennett Square, Pa., and J. Deinet, Glasboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyes of the anthraquinone-azole series. 2,587,908, Mar. 4.
Schroeder, J. Edward, assignee: *See*—
Putt, Harlie O.
Schroeder, John A., and A. W. Bower, Denver, Colo. Flat-car endgates. 2,596,295, May 13.
Schroeder, John A., A. W. Bower, and M. Graber, Denver, Colo. Self-locking drive type rivet. 2,587,907, Mar. 4.
Schroeder, John W.: *See*—
Snyder, Cyrus L., and Schroeder.
Schroeder, Laura B., Milwaukee, Wis. Pie dispenser. 2,622,912, Dec. 23.
Schroeder, Louis J., assignee: *See*—
Putt, Harlie O.
Schroeder, Mary, assignee: *See*—
Putt, Harlie O.
Schroeder, Orval W.: *See*—
Brill, Edward F., and Schroeder.
Schroeder, Ralph: *See*—
Julian, Percy L., Meyer, Schroeder, and Magnani.
Schroeder, Robert W.: *See*—
Engelhardt, Richard A., Kershaw, and Schroeder.
Schroeder, Robert W., Middle River, C. E. Loughney, Jr., Towson, and R. A. Engelhardt, Parkville, assignors to The Glenn L. Martin Company, Middle River, Md. Propeller feathering control switch. 2,602,517, July 8.
Schroeder, Wilburn C.: *See*—
Newman, Louis L., and Schroeder.
Schroeml, Alfred F., Wadena, Minn. Power-operated reel and reel hoist for trucks. 2,616,637, Nov. 4.
Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Windrower. 2,593,617, Apr. 22.
Schroer, Karl J., assignee: *See*—
Stark, Phillip A.
Schroer, Leroy, New Knoxville, Ohio. Nest. 2,603,183, July 15.
Schroer, Nelle, assignee: *See*—
Stark, Phillip A.
Schroer, Walter E., Affton, assignor to Loose Leaf Metals Co., St. Louis, Mo. Locking device for book supporting metals. 2,600,808, June 17.
Schrumn, Jewett F., Reno, Nev., assignor to Metals & Controls Corporation, Attleboro, Mass. Atmospheric control. 2,582,462, Jan. 15.
Schubert, Alvin E., and J. F. Egan, Rochester, N. Y., and R. S. Hopkins, deceased, late of Rochester, N. Y., by Lincoln Rochester Trust Company, executor, assignors to Eastman Kodak Company, Rochester, N. Y. Control system for photographic document copying machines. 2,585,276, Feb. 12.
Schubert, Eduard, Munchenstein, near Basel, assignor to Schweizerische Ferment A. G., Basel, Switzerland. Desizing agents and desizing baths. 2,599,867, June 10.
Schubert, Maxwell, New York, N. Y., assignor to Abbott Laboratories, North Chicago, Ill. Thiouronium antimonyl catechol halides and making the same. 2,580,847, Jan. 1.
Schubert, Milton V., Jr., and B. E. Langohr, Columbus City, and L. J. Badskey, North Manchester, assignors to L M L Engineering & Manufacturing Corporation, Columbia City, Ind. Brooder heat lamp fixture. 2,603,738, July 15.
Schubert, Milton V., Jr., B. E. Langohr, and J. B. Manago, Jr. Columbia City, and L. J. Badskey, North Manchester, assignors to LML Engineering & Manufacturing Corporation, Columbia City, Ind. Heat lamp safety fixture for brooders. 2,612,594, Sept. 30.
Schubert, Ralph, assignee: *See*—
Jacoby, George.
Schubring, Arthur C., Trenton, and L. W. Jillson, Detroit, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Prevention of siliceous deposition from steam. 2,595,490, May 6.
Schuch, John A.: *See*—
Dietert, Harry W., and Schuch.
Dietert, Harry W., Schuch, and Steinmueller.
Schuck, Charles W.: *See*—
Nelson, John A., and Schuck.
Schuck Manufacturing Co., Inc., assignee: *See*—
Wolfe, Ernest E.
Schueder, George M., Dearborn, assignor to Evans Products Company, Detroit, Mich. Fuel burning space heater. 2,603,205, July 15.
Schueder, George M., Dearborn, R. M. Krokos, and P. A. Tracht, assignors to Evans Products Company, Detroit, Mich. Convection and forced air flow warm air space heating furnace. 2,603,206, July 15.
Schueder, George M., Dearborn, and H. P. Zimmer, Rockwood, assignors to Evans Products Company, Detroit, Mich. Horizontally discharging pot-type burner. 2,603,282, July 15.

Schueder, George M., Dearborn, R. M. Krokus, and M. Nichols, Jr., assignors to Evans Products Company, Detroit, Mich. Heating apparatus. 2,617,390, Nov. 11.
Schueller, Eugène, assignor to Societe L'Oreal, Paris, France. Hair-dye compositions. 2,610,941, Sept. 16.
Schueren, William B.: *See*—
Widman, John C., and Schueren.
Schuettpelz, Alfred, Suring, Wis. Vehicle bumper. 2,610,881, Sept. 16.
Schuets, Clyde C., Mount Prospect, and C. R. Norman, Jr., Evanston, assignors to United States Gypsum Company, Chicago, Ill. Producing light weight inorganic insulating material. 2,586,726, Feb. 19.
Schuets, Fritz: *See*—
Widmer, Willi, Schuets, and Heckendorn.
Schuftan, Paul M., Richmond Hill, and N. W. Roberts, West Wimbledon, London, assignors to The British Oxygen Company, London, England. Separation of gas mixtures. 2,619,813, Dec. 2.
Schuh, Edward J., Sr., Dishman, Wash. Inner form for concrete tank molds. 2,623,259, Dec. 30.
Schuh, La Verne L., Rockford, Ill. Extensible concealed dipper blade for snuffbox covers. 2,599,868, June 10.
Schuh, Otto H., San Francisco, Calif. Water guard and guide for ball valves. 2,603,793, July 22.
Schuhfried, Felix, Vienna, Austria. Device for producing electric pulses, particularly for medical purposes. 2,590,216, Mar. 25
Schukraft, John W., Towson, assignor, by mesne assignments, to Randall Corporation, Arbutus, Md. Hose clamp. 2,622,290, Dec. 23.
Schukraft, Karl E.: *See*—
Rodel, Albert, and Schukraft.
Schulder, Paul, Brooklyn, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Power transmitter. 2,609,075, Sept. 2.
Schuldt, Howard J., assignor to General Motors Corporation, Detroit, Mich. Sheet metal nut attaching machine. 2,590,871, May 13.
Schule, Elmer C., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Artificial leather product from a butadiene-acrylonitrile copolymer, calcined clay, and polyvinyl chloride resins, and producing same. 2,605,247, July 29.
Schuler, Fred G., assignor to Youngstown Manufacturing, Incorporated, Youngstown, Ohio. Price tag molding. 2,608,776, Sept. 2.
Schuler, Fred G., assignor to Youngstown Manufacturing, Inc., Youngstown, Ohio. Price tag and molding trim. 2,608,777, Sept. 2.
Schuler, Fred G., assignor to Youngstown Manufacturing, Incorporated, Youngstown, Ohio. Carton for sink frames. 2,620,062, Dec. 2.
Schuler, James F.: *See*—
Gates, Jack R., and Schuler.
Schuler, Reginald G., Barrington, assignor to Teletype Corporation, Chicago, Ill. Multiplex telegraph system utilizing electronic distributors. 2,622,153, Dec. 16.
Schulle, Frederick: *See*—
Arthur, Oscar F., and Schulle.
Schuller, Arthur A., Chicago, Ill. Filter. 2,605,903, Aug. 5.
Schuller, Werner, Banstead, England. Device for the production of rods and tubes from glass, plastic or like substance. 2,591,304, Apr. 1.
Schuller, Werner, Banstead, England. Process and apparatus for the continuous production of a sliver or roving from fibers of glass, plastic, or like substances. 2,621,444, Dec. 16.
Schulman, Earl L.: *See*—
Johnson, John S., and Schulman.
Schulmerich Electronics, Incorporated, assignee: *See*—
Kunz, Jacob T.
Schulte, Edward, and P. C. Herzog, assignors to The Glidden Company, Cleveland, Ohio. Emulsion coating compositions and preparing same. 2,587,657, Mar. 4.
Schulte, Elwood V., assignor to Koppers Company, Inc., Pittsburgh, Pa. Recovery of ammonium sulfate. 2,595,104, Apr. 29.
Schulte, Milton R., Basking Ridge, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Cathode-ray tube. 2,607,900, Aug. 19.
Schulte, Theodore B., Dorchester, Iowa. Attachment for corn pickers. 2,581,720, Jan. 8.
Schulte, William A., Allen Park, assignor to National Broach & Machine Company, Detroit, Mich. Gear testing apparatus. 2,621,417, Dec. 16.
Schultheiss, Carl E.: *See*—
Lindell, Sigurd I., and Schultheiss.
Schultz, Benjamin A.: *See*—
Dicks, Norman A., and Schultz.
Schultz, C. B., assignee: *See*—
Schultz, Myrtle M.
Schultz, Carl, Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Power boost surface control. 2,610,814, Sept. 16.
Schultz, Carl, Milford, and S. Avena, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Surface control system. 2,585,411, Feb. 12.
Schultz, Carl E., assignor to Laboratory Equipment Corporation, St. Joseph, Mich. Magnetic door catch. 2,609,221, Sept. 2.
Schultz, Charles C., Calgary, Alberta, Canada. Repackable oil filtering cartridge. Re. 23,604, Dec. 23.
Schultz, Don, Los Angeles, Calif. Signal system for elevators. 2,588,299, Mar. 4.
Schultz, Edward, Jr., Chicago, Ill. Machine tool. 2,611,173, Sept. 23.
Schultz, Edward H., Milwaukee, Wis. Hydraulic service jack. 2,605,999, Aug. 5.
Schultz, Everett M., Glenolden, assignor to Sharpe & Dohme, Incorporated, Philadelphia, Pa. Urea derivatives and their preparation. 2,605,285, July 29.
Schultz, Frank J.: *See*—
Aagaard, Leif, and Schultz.
Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Manufacturing and assembling hydraulic pumps. 2,620,553, Dec. 9.
Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bearing. 2,586,099, Feb. 19.
Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bearing. 2,586,100, Feb. 19.
Schultz, Harry A.: *See*—
Arnold, George, Schultz, and Rhoads.
Schultz, Herman, New York, N. Y. Self-sealing tube insert. 2,620,830, Dec. 9.
Schultz, Howard L.: *See*—
Corson, Dale R., and Schultz.
Schultz, Howard L., Wellesley, Mass., and H. G. Cooper, Los Angeles, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tuner for lighthouse tube cavity resonators. 2,605,421, July 29.
Schultz, Ira E., Johannesburg, Transvaal, Union of South Africa. Automatic brake adjusting mechanism. 2,583,970, Jan. 29.
Schultz Manufacturing Company, assignee: *See*—
Schultz, Otto.
Schultz, Myrtle M., Texarkana, assignor of six-tenth to C. B. Schultz, Miller County, Ark., and one-tenth to B. Blalock, Texarkana, and three-tenth to T. B. Westbrook, Smith County, Tex. Defroster. 2,609,472, Sept. 2.
Schultz, Otto, assignor to Schultz Manufacturing Company, Cleveland, Ohio. Drilling and centering attachment for turret lathes. 2,613,555, Oct. 14.
Schultz, Roy M., assignor to G. H. Bishop Company, Chicago, Ill. Garment starching machine. 2,595,710, May 6.
Schultz, Roy M., assignor to David A. Freeman Corporation, Chicago, Ill. Steam hydrator. 2,598,447, May 27.
Schultz, Roy M., assignor to David A. Freeman Corporation, Chicago, Ill. Clothes cart having a vertically adjustable platform. 2,604,334, July 22.
Schultz, Russell A., assignor to Robbins Engineering Company, Detroit, Mich. Indexing table. 2,622,487, Dec. 23.
Schultz, Sylvester: *See*—
Perry, Nick, and Schultz.
Schultz, Thomas H.: *See*—
Owens, Harry S., and Schultz.
Schultz, Whitt N., Highland Park, Ill. Combination tool. 2,609,962, Sept. 9.
Schultz, Wilber A., Lakewood, assignor to Perfection Stove Company, Cleveland, Ohio. Suspended air-heating furnace. 2,582,071, Jan. 8.
Schultz, William O., Marshfield, Wis., assignor to McGraw Electric Company. Operating mechanism for multiple point switches. 2,591,017, Apr. 1.
Schultz, William O., Marshfield, assignor to Line Material Company, Milwaukee, Wis. Operating mechanism for multiple point switches. 2,598,448, May 27.
Schulz, Carl G.: *See*—
Schulz, Herman R., C. G., and Kedzie.
Schulz, Edward L., Lakewood, Ohio, and E. A. Bailey, Marietta, assignors to Carrier Corporation, Syracuse, N. Y. Refrigeration. 2,614,393, Oct. 21.
Schulz, Fred R., Berkeley Heights, assignor to Sondon Systems Corporation, Red Bank, N. J. Ticket cartridge for copy writers. 2,591,727, Apr. 8.
Schulz, Fred R., Berkeley Heights, assignor to Sondon Systems Corporation, Red Bank, N. J. Locked copy ticket writer. 2,591,728, Apr. 8.
Schulz, Fred R., Berkeley Heights, assignor to Sondon Systems Corporation, Red Bank, N. J. Strip winding spool. 2,615,642, Oct. 28.
Schulz, Gustav O., Portland, Oreg. Paintbrush holder. 2,605,986, Aug. 5.
Schulz, Hans: *See*—
Tiller, Hans, and Schulz.
Schuls, Herman R., and C. G. Schulz, Altadena, and A. S. Kedzie, Los Angeles, assignors to Redi Products Corporation, Pasadena, Calif. Packaging and serving frozen confections. 2,598,137, May 27.
Schulz, Richard E., assignor to Wickes Bros., a division of The Wickes Corporation, Saginaw, Mich. Self-equalizing driving chuck. 2,604,804, July 29.
Schulz, Theodore R., Sylvania, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Power plant comprising a toroidal combustion chamber and an axial flow gas turbine with blade cooling passages therein forming a centrifugal air compressor. 2,611,241, Sept. 23.

Schulz, William H., St. Paul, Minn., and L. E. Boehm, Milwaukee, Wis., assignors, by mesne assignments, to Western Newell Mfg. Co., Freeport, Ill. Folding type can opener. 2,598,839, June 3.

Schulze and Burch Biscuit Co., assignee: *See*— Schmied, Joseph M.

Schulze, Clarence G., Los Angeles, Calif., assignor to Madsen Iron Works, Inc. Concrete roadway finishing machine. 2,592,960, Apr. 15.

Schulze, Claude W., Wauwatosa, Wis. Clock alarm. 2,607,186, Aug. 19.

Schulze, Clinton W., Detroit, Mich. Faucet construction. 2,596,795, May 13.

Schulze, Guenther: *See*— Reichle, Ludwig, and Schulze.

Schulze, Harry E.: *See*— Gueamer, George O., and Schulze.

Schulze, Herman W., Elmwood Park, Ill., assignor to Hotpoint Inc. Selector switch signaling system for electric ranges and the like. 2,585,503, Feb. 12.

Schulze, John J., Chicago, Ill., assignor to Charles Bruning Company, New York, N. Y. Liquid level control. 2,623,538, Dec. 30.

Schulze, Kurt E., assignor to E. Roe, doing business as Coast Wire Company, San Francisco, Calif. Wire gripping device for wire tying machines. 2,580,848, Jan. 1.

Schulze, Louis J., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,594,077, Apr. 22.

Schulze, Richard R., H. P. Hessler, C. M. Davison, and M. A. Winter, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Apparatus for forming sheet material under controlled pressure. 2,605,731, Aug. 5.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkali metal alkyltoluene sulfonates as emulsifying agents in low temperature emulsion polymerisation processes. 2,595,892, May 6.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Short-stopping emulsion polymerization of conjugated diolefin hydrocarbons with N-substituted dithiocarbamates. 2,602,078, July 1.

Schumacher, Erwin A.: *See*— Heise, George W., and Schumacher.
Heise, George W., Schumacher, and Wilson.

Schumacher, Erwin A., Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Acceleration of vaporization of chlorine in a battery. 2,610,985, Sept. 16.

Schumacher, Franz, Union, assignor to The Cooper Alloy Foundry Co., Hillside, N. J. Spray gun. 2,620,229, Dec. 2.

Schumaier, Rudolph, Saline, Mich. Tractor hitch. 2,586,390, Feb. 19.

Schuman, Ralph H., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,602,214, July 8.

Schumann, Konrad H. H., Lyttelton, Pretoria, Transvaal, Union of South Africa. Instructional device. 2,590,469, Mar. 25.

Schupp, Orien E., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light polarizing composition. 2,604,817, July 29.

Schur, Frederick P., Washington, D. C. Roly-poly toy. 2,611,214, Sept. 23.

Schur, Milton O., and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Forming cigarette paper. 2,580,608, Jan. 1.

Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,609, Jan. 1.

Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,610, Jan. 1.

Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,580,611, Jan. 1.

Schurger, Garner H.: *See*— Gallimore, Keith F., and Schurger.

Schurmann, Harold, assignor of one-half to O. F. Lindau, Hildreth, Nebr. Scoop dumping mechanism. 2,608,009, Aug. 26.

Schurr, Otto E., Hamilton, Ohio, assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Control system for boring mills. 2,619,854, Dec. 2.

Schuster, Curt: *See*— Hopff, Heinrich, Spaenig, and Schuster.

Schuster, Curt, Ludwigshafen-on-the-Rhine, Germany. Alpha-amino-gamma-lactones. 2,605,268, July 29.

Schuster, Erich, Downey, and R. D. Gates, South Gate, Calif., assignors to Utility Control Company. Thermostatically controlled valve. 2,608,352, Aug. 26.

Schuster, John E., Washington, D. C. Knitting machine. 2,604,768, July 29.

Schutt, Hermann C., Framingham Center, assignor to Stone & Webster Engineering Corporation, Boston, Mass. Spraying device. 2,602,002, July 1.

Schutte, August H.: *See*— Bowles, Vernon O., and Schutte.

Schutte, August H., Hastings-on-Hudson, assignor to The Lummus Company, New York, N. Y. Oil coker. 2,623,010, Dec. 23.

Schuttler, Artur, assignor to "Kronprinz" Aktiengesellschaft fur Metallindustrie, Solingen-Ohligs, Germany. Welding transformer. 2,605,376, July 29.

Schutz, Ewald, assignor, by mesne assignments, to De Walt Inc., Lancaster, Pa. Wood sawing and cutting machine. 2,611,398, Sept. 23.

Schutz, Ewald, assignor, by mesne assignments, to De Walt Inc., Lancaster, Pa. Cutter guard for woodworking machines. 2,623,554, Dec. 30.

Schütz, Karl H., Bad Kreuznach, assignor to Jos. Schneider & Co., Kreuznach, Germany. Optical system with semi-automatic diaphragm adjustment to preselected position. 2,612,093, Sept. 30.

Schutze, Henry G.: *See*— Walsh, David C., Jr., and Schutze.

Schutze, Henry G., and E. F. Wadley, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of fulvene hydrocarbons. 2,589,969, Mar. 18.

Schutze, Henry G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Low-temperature iso-olefin polymerization with aluminum chloride containing aluminum metal. 2,581,147, Jan. 1.

Schutzer, Henry E., New York, and R. C. Frohner, Brooklyn, N. Y., assignors to Oxygen Equipment Mfg. Co. Wheeled attachment for hand trucks. 2,612,386, Sept. 30.

Schumacher, Erwin A.: *See*— Brooks, Paul S., and Schumacher.

Schumacher, Erwin A., Parma, and P. S. Brooks, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Aqueous electrolyte for primary galvanic cell. 2,597,117, May 20.

Schumacher, Erwin A., Parma, and R. J. Bennett, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Electrode for air depolarized primary galvanic cells. 2,597,119, May 20.

Schumann, Hans M., Philadelphia, Pa. Latex impregnated luffa and preparing the same. 2,592,747, Apr. 15.

Schundler, F. E., and Company, Incorporated, assignee: *See*— Denning, Paul S.

Schurman, Clyde, Woodland, Wash. Yarding device for cutoff saws. 2,597,678, May 20.

Schutte, August H., Hastings-on-Hudson, assignor to The Lummus Company, New York, N. Y. Heater for hydrocarbon fluid. 2,598,840, June 3.

Schutte, August H., Hastings-on-Hudson, and V. O. Bowles, Rye, assignors to The Lummus Company, New York, N. Y. Heat transfer pebble. 2,600,078, June 10.

Schutz, Joseph J.: *See*— White, Paul W., and Schutz.

Schutzer, Alma W., San Francisco, Calif. Side rail for beds. 2,599,663, June 10.

Schuyler, Joe R., Middletown, Ohio, assignor to Curtiss-Wright Corporation. Hinge construction. 2,621,359, Dec. 16.

Schwab, Arthur W.: *See*— Evans, Cyril D., Schwab, and Cowan.

Schwab, Arthur W., C. D. Evans, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of soybean oils with P-toluene sulfonic acid. 2,583,602, Jan. 29.

Schwab, Arthur W., H. A. Moser and C. D. Evans, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils with acetone dicarboxylic acid. 2,605,186, July 29.

Schwab, Emil P., Mount Lebanon, Pittsburgh, Pa. Anti-skid and traction appliance for motor vehicle wheels. 2,584,625, Feb. 5.

Schwabe, Kurt, Le Locle, Switzerland. Picking motion for undernick looms. 2,601,874, July 1.

Schwabe, Kurt, Le Locle, Switzerland. Loom having an automatic change of the weft cops. 2,622,631, Dec. 23.

Schwalbe, William A., Seattle, Wash. Coin wrapping aid. 2,612,739, Oct. 7.

Schwaller, Bernard L.: *See*— Von Kokeritz, Karl, Blackford and Schwaller.

Schwaller, Bernard L., Wayne, Pa., assignor to Durabla Manufacturing Company, New York, N. Y. Concentric type valve. 2,595,986, May 6.

Schwaneke, Fred C.: *See*— Braski, Raymond J., and Schwaneke.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Drink mixer. 2,586,101, Feb. 19.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Drink mixer agitator. 2,595,985, May 6.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Food mixer. 2,599,070, June 3.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Release mechanism for coupled spindles and shafts. 2,616,732, Nov. 4.

Schwanke, Edward W., Sheboygan, Wis. Fishing pole holder. 2,598,021, May 27.

Schwantes, William C., Manitowoc, Wis. Traveling saw and saw table therefor. 2,609,014, Sept. 2.

Schwarcz, Morton, Highland Park, assignor to The Edwal Laboratories, Inc., Ringwood, Ill. High contrast photographic developers. 2,599,518, June 3.

Schwarm, Otto, and J. A. Prasky, Dormont, Pa. Lawn hand seeder. 2,600,131, June 10.

Schwartz, Albert M., Palos Verdes, and H. M. Sonneborn, Compton, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Vibration dampener. 2,582,397, Jan. 15.

Schwartz, B. Robert, Union, N. J., assignor to Hart Products Corporation. Making polyoxyalkylene ethers. 2,588,771, Mar. 11.

Schwartz, Eli P., Clayton, and C. W. Meyer, St. Louis, Mo., assignors, by mesne assignments, to Ritter Company, Inc., Rochester, N. Y. Motor-pump attachment for foot pump dental chairs. 2,586,441, Feb. 19.

Schwartz, Everett B., Wauwatosa, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y. Contact sequence test set. 2,586,999, Feb. 26.

Schwartz, Fred J., Toledo, Ohio. Engaging and holding means for drapery headings and the like. 2,580,849, Jan. 1.

Schwartz, Harold H.: *See*— Gantz, Harry, Schwartz, and Iasillo.

Schwartz, Henry P., Bremerton, Wash. Luminous protector for car door locks. 2,617,290, Nov. 11.

Schwartz, Jacob D., Pittsburgh, Pa. Artificial tooth. 2,585,857, Feb. 12.

Schwartz, Jacob D., Pittsburgh, Pa. Artificial tooth with retention means. 2,585,858, Feb. 12.

Schwartz, Joseph H., Philadelphia, E. A. Talley, Lafayette Hill, M. Zief, Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Ether-esters of polyhydroxy compounds. 2,602,789, July 8.

Schwartz, Joseph P., St. Paul, Minn. Cable actuated wrench. 2,603,998, July 22.

Schwartz, Leo, assignor to Automatic Sewing Equipment Co., Inc., New York, N. Y. Fabric guide for sewing machines. 2,588,886, Mar. 11.

Schwartz, Leonard W., Henrietta, N. Y. Infant's bathing and dressing stand. 2,584,744, Feb. 5.

Schwartz, Louis J., Slatington, assignor to I. and A. Billera, Allentown, Pa. Needle cooling device for sewing machines. 2,593,203, Apr. 15.

Schwartz, Max M.: *See*— Sowa, Frank J., and Schwartz.

Schwartz, Morris A., North Plainfield, N. J., assignor to Johnson & Johnson. Cam device for varying speed of an object. 2,580,469, Jan. 1.

Schwartz, Morris, and W. Castedello, Fairfield County, assignors to The Kalart Company, Inc., Stamford, Conn. Flash lamp socket with ejector. 2,615,071, Oct. 21.

Schwartz, Paul J., Kingfisher, Okla. Fishhook construction with pull actuated release means. 2,608,786, Sept. 2.

Schwartz, Sam, Machinery Corporation, assignee: *See*— Reynolds, James L., Sr.

Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Design dyeing apparatus. 2,587,534, Feb. 26.

Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Design dyeing apparatus. 2,609,747, Sept. 9.

Schwartz, William, New York, N. Y. Salt shaker comprising a central container slidable in outer casing to uncover openings. 2,601,061, June 17.

Schwartzberg, Henry, Brookline, Mass. Sound control system. 2,593,204, Apr. 15.

Schwartzman, Louis H., Silver Spring, Md., assignor to Chemectron Corporation, Washington, D. C. Preparation of spiro [cyclohexane-1,1'-indanone-3'']. 2,586,486, Feb. 19.

Schwartzman, Louis H., and G. F. Woods, Jr., Silver Spring, Md., assignors to Chemectron Corporation, Washington, D. C. Spirocyclohexanes and preparation thereof. 2,585,969, Feb. 19.

Schwartzman, Louis H., and G. F. Woods, Jr., Silver Spring, Md., assignors to Chemectron Corporation, Washington, D. C. Spirocyclohexanes and preparation thereof. 2,586,487, Feb. 19.

Schwartzmann, Harry, New York, N. Y. Sliding window sash holder. 2,614,875, Oct. 21.

Schwary, Robert E., Euclid, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,619,199, Nov. 25.

Schwarz, Adolf: *See*— Holmes, John R., and Schwarz.

Schwarz, Alfred, New York, N. Y., assignor, by mesne assignments, of sixty per cent to Sinclair Research Laboratories, Inc., Harvey, Ill. Internal-combustion engine. 2,614,546, Oct. 21.

Schwarz, Bertram A., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Limit control for electric motors. 2,618,770, Nov. 18.

Schwarz, Ernst, assignor to Hilger & Watts, Limited, London, England. Closure seal for vacuum vessels. 2,604,229, July 22.

Schwarz, George, Rochester, N. Y., and P. F. De Smet, Wilrijk-Antwery, assignors to Gevaert Photo-Production N. V., Mortsel-Antwerp, Belgium. Heterocyclic nitrogen compounds. 2,592,195, Apr. 8.

Schwarz, George, Rochester, N. Y., and P. F. De Smet, Wilrijk-Antwerp, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Methine dyestuffs and their manufacture. 2,592,196, Apr. 8.

Schwarz, Gerald L., Cleveland Heights, Ohio. Furnace thermometer. 2,590,276, Mar. 25.

Schwarz, George, Rochester, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill. Variable contrast photographic material and preparing it. 2,620,272, Dec. 2.

Schwarz, Harvey F., and W. J. O'Brien, assignors to The Decca Record Company, Limited, London, England. Electric condenser. 2,580,612, Jan. 1.

Schwarz, Harriet G., executrix: *See*— Huenlich, Charles, and Gramann.

Schwarz, Herbert F.: *See*— Grummitt, Oliver J., Blank, and Schwarz.

Schwarz, John, Los Angeles, Calif. Dispensing container for mustard, ketchup, and the like, having a slidable piston with hollow stem. 2,599,071, June 3.

Schwarz Laboratories, Inc., assignee: *See*— Reed, Lionel C.

Schwarz, Leonard H., Hartford, Conn. Bottle handling device. 2,604,355, July 22.

Schwarz, Leonard H., Hartford, Conn. Wire basket for bottles. 2,616,601, Nov. 4.

Schwarz, Norman H., assignee: *See*— Jerome, Jack.

Schwarz, Peter, Los Angeles, Calif. Color-picture. 2,611,817, Sept. 23.

Schwarzenbach, Gerold, Zurich, assignor to Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Quantitative determination of metals. 2,583,890, Jan. 29.

Schwarzenbach, Gerold, Zurich, assignor to Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Quantitative determination of metals. 2,583,891, Jan. 29.

Schwarzenbach, Robert, & Co., assignee: *See*— Schneebeli, Gottfried.

Schwarzer, Carl G.: *See*— Hearne, George W., and Schwarzer.
Luten, Daniel B., Jr., Ballard, and Schwarzer.

Schwarzer, Carl G., Walnut Creek, S. A. Ballard, Orinda, and D. B. Luten, Jr., Berkeley, assignors to Shell Development Company, Emeryville, Calif. Production of bis(hydroxyphenyl) compounds. 2,602,822, July 8.

Schwarzer, Fred, Pottstown, Pa. Fishing hook. 2,597,679, May 20.

Schwarzer, Fred, assignor to W. B. Zern, Pottstown, Pa. Work clamp and template holder for hinge seat cutting. 2,605,789, Aug. 5.

Schwarzer, Fred, assignor to W. B. Zern, Montgomery County, near Pottstown, Pa. Adjustable frame and hinge recess locating jig assembly. 2,605,790, Aug. 5.

Schwarzkopf, Emil, Los Angeles, Calif. Door stop mechanism. 2,592,073, Apr. 8.

Schwarzkopf, Vergil, La Grange, assignor to The Lathrop-Paulson Company, Chicago, Ill. Can dumping apparatus and the like. 2,598,193, May 27.

Schwarzkopf, Vergil, La Grange, assignor to The Lathrop-Paulson Company, Chicago, Ill. Weigh can dumping control. 2,612,180, Sept. 30.

Schwebel, John F., Sr., Van Nuys, Calif. Eyeglass rim-stretching apparatus. 2,613,561, Oct. 14.

Schwechten, Heinz W., Leverkusen-Bayerwerk, and J. Singer, Leverkusen-Wiesdorf, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Anthraquinone-acridone derivatives of 1,3,4-oxdiazoles. 2,616,891, Nov. 4.

Schweda, Albert M., assignor to Union Special Machine Company, Chicago, Ill. Fastener guiding attachment for sewing machines. 2,603,174, July 15.

Schwefel, Jacques, Los Angeles, Calif. Drawing board attachment. 2,603,908, July 22.

Schweighofer, Horst M., G. E. Nicholson, and R. S. Pyle, assignors to Collins Radio Company, Cedar Rapids, Iowa. Shaft multipositioning device. 2,617,313, Nov. 11.

Schweighofer, Horst M., and R. S. Pyle, assignors to Collins Radio Company, Cedar Rapids, Iowa. Automatic shaft positioning apparatus. 2,604,965, July 29.

Schweigler, Fred R.: *See*— Grether, Lester M., Turner, and Schweigler.

Schweikert, Edward W., New York, N. Y. Mouth washer. 2,595,491, May 6.

Schweiso, Clifford C., Minneapolis, Minn., assignor to General Mills, Inc. Safety mechanism for pressure cookers. 2,599,072, June 3.

Schweiso, Clifford C., Minneapolis, Minn., assignor to General Mills, Inc. Pressure cooker relief valve. 2,620,086, Dec. 2.

Schweisthal, Frederick G., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Hose reel. 2,612,326, Sept. 30.

Schweiter Ltd., assignee: *See*— Schweiter, Walter.

Schweiter, Walter, assignor to Schweiter Ltd., Horgen, Switzerland. Automatic bobbin unwinding device. 2,610,805, Sept. 16.

Schweitzer, Frank J., Brea, Calif. Ribbed-stripper packer unit. 2,583,497, Jan. 22.

Schweitzer, Frank J., Jr., Brea, Calif. Side-plug hydraulic cellar gate. 2,592,197, Apr. 8.

Schweitzer, George W., Philadelphia, Pa. Gate latch. 2,585,177, Feb. 12.

Schweitzer, Louis, Royal Oak, assignor to Motor Products Corporation, Detroit, Mich. Manually operable control assembly. 2,587,390, Feb. 26.

Schweizer, Alfred, Stuttgart-Unterturkheim, assignor to R. Bosch G. m. b. H., Stuttgart, Germany. Governor for internal-combustion engines. 2,623,510, Dec. 30.

Schweizerische Ferment A. G., assignee: *See*—
Schubert, Eduard.

Schweizerische Industrie-Gesellschaft, assignee: *See*—
Amsler, Rudolf.

Schweizerische Lokomotiv-und Maschinenfabrik, assignee: *See*—
Müller, Theodor.
Nyffenegger, Hans.
Sonderegger, Konrad.

Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Freezing device. 2,587,233, Feb. 26.

Schwen, Frank, London, England. Electronic switching system. 2,583,711, Jan. 29.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Governing apparatus. 2,621,301, Dec. 9.

Schwenk, Erwin: *See*—
Papa, Domenick, and Schwenk.
Papa, Domenick, Klingsberg, and Schwenk.
Rubin, Martin, Hershberg, and Schwenk.
Sperber, Nathan, Papa, and Schwenk.

Schwenk, Erwin, Montclair, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of Δ9(11)-12-keto steroid acids and products obtained thereby. 2,581,448, Jan. 8.

Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Production of hydroxylated aliphatic compounds including hydroxylated aliphatic carboxylic acids and lactones thereof. 2,594,355, Apr. 29.

Schwenk, Erwin, and B. Whitman, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Chemotherapeutic compounds. 2,623,063, Dec. 23.

Schwenker, William A.: *See*—
Coe, Jerome T., and Schwenker.

Schwenzer, George A., Cincinnati, Ohio, assignor of one-third to H. D. Culver, Bellevue, Ky., and one-third to J. C. McCarthy, Cincinnati, Ohio. Stacking device. 2,599,290, June 3.

Schwermer, John E.: *See*—
Losinski, John L., and Schwermer.

Schwertfeger, Walter J., West Englewood, N. J., assignor to Keyes Fibre Company, Waterville, Maine. Molded pulp container. 2,591,471, Apr. 1.

Schwertz, Frederick A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Diffusion. 2,583,601, Jan. 29.

Schwertz, Frederick A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Separating gases by diffusion. 2,589,297, Mar. 18.

Schwietert, Gustav, McGregor, Iowa. Oil burner nozzle. 2,613,737, Oct. 14.

Schwimmer, Sigmund, Albany, and A. K. Balls, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of alpha-amylase from malt extract. 2,594,356, Apr. 29.

Schwimmer, William E., and L. Maullin, Los Angeles, Calif. Dispensing bottle closure. 2,582,566, Jan. 15.

Schwinn, Frank W., Chicago, Ill. Battery case. 2,582,072, Jan. 8.

Schwitzer-Cummins Company, assignee: *See*—
Hardy, James A.

Schwoegler, Conrad A., Madison, Wis. Bowling ball finger grip. 2,616,695, Nov. 4.

Schwoegler, Edward J., Hammond, Ind., assignor to Nox-Rust Chemical Corporation, Chicago, Ill. Removable protective coating. 2,615,820, Oct. 28.

Schwork, Stanley, Bangor, Pa. Motor vehicle trailer hitch. 2,595,711, May 6.

Schworm, Louis, Jr., Washington, D. C., assignor to Swormco, Inc. Mattress protector. 2,610,336, Sept. 16.

Schymik, Walter H., Oreland, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switchboard. 2,606,233, Aug. 5.

Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Sliding contact system for conducting welding currents. 2,600,582, June 17.

Sciamanna, Edward V., assignee: *See*—
Houghton, William.

Scibelli, Frank, Brooklyn, assignor to American Can Company, New York, N. Y. Cap forming device with edge reforming control device. 2,585,047, Feb. 12.

Scientific Development Co., assignee: *See*—
Cannon, Michael R.

Scientific Office Products, assignee: *See*—
Robbins, Winnie D.

Scientific Oil Compounding Company, Inc., assignee: *See*—
Kalberg, Victor N.

Scifford, Clinton, Odebolt, Iowa. Automatic fuel gauge. 2,611,270, Sept. 23.

Scinta, Anthony C.: *See*—
Rappl, Anton, and Scinta.

Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Wiper blade for curved windshields and other surfaces. 2,583,710, Jan. 29.

Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,616,113, Nov. 4.

Scintilla Aktien-Gesellschaft, assignee: *See*—
Kaufmann, Albert.

Scivally, Herschell R., Shreveport, La. Well logging apparatus. 2,600,336, June 10.

Scofield, Donald W., Detroit, Mich., assignor to Philco Corporation, Philadelphia, Pa. Toasting or broiling rack. 2,614,483, Oct. 21.

Scofield, Emory J.: *See*—
Johnson, Edwin L., and Scofield.

Scofield, Paul C., Glendale, and H. J. Woods, Sherman Oaks, assignors to The Garrett Corporation, Los Angeles, Calif. Air conditioning system for enclosures. 2,622,406, Dec. 23.

Scofield, Philip F., Atherton, assignor to Specialized Instruments Corporation, Belmont, Calif. Motor control equipment. 2,607,909, Aug. 19.

Scofield, Roland R., Niles, Mich. Clothesline stretcher. 2,599,134, June 3.

Scogin, Clifford A., Kansas City, Mo. Forced air flow unit air heating furnace. 2,611,359, Sept. 23.

Scogin, Henry C., King City, Calif. Automatic roll dispenser. 2,592,346, Apr. 8.

Scognamillo Engineering Company, assignee: *See*—
Scognamillo, Frank.
Scognamillo, Salvatore.

Scognamillo, Frank, Bronx, assignor to Scognamillo Engineering Company, New York, N. Y. Rotor cylinder rotary device. 2,590,132, Mar. 25.

Scognamillo, Frank, assignor to Scognamillo Engineering Company, Bronx, N. Y. Self-contained rotary device. 2,590,727, Mar. 25.

Scognamillo, Frank, Fair Lawn, N. J., assignor to Scognamillo Engineering Company, Bronx, N. Y. Rotary pump. 2,590,728, Mar. 25.

Scognamillo, Salvatore, assignor to Scognamillo Engineering Company, Bronx, N. Y. Rotary compressor. 2,590,729, Mar. 25.

Scognamillo, Salvatore, assignor to Scognamillo Engineering Company, Bronx, N. Y. Blade driven rotary pump. 2,590,730, Mar. 25.

Scola, Ernesto, Milan, Italy. Toy theater stage. 2,620,591, Dec. 9.

Scolding Locks Corporation, assignee: *See*—
Gasser, Oswald V.

Scoles, Graham J., London, England, assignor to General Electric Company. Pulse amplifier. 2,621,263, Dec. 9.

Scophony-Baird Limited, assignee: *See*—
Anderson, Edward G. O., Blundell, and Rhys-Jones.

Scott-Atwater Manufacturing Company, assignee: *See*—
Armstrong, Daniel A.
Armstrong, Daniel A., and Palmer.
Johnson, Kermit F., and Eggert.
Snyder, Merton F.

Scott, Augustus R., New Castle, Colo. Enclosed automobile dashboard. 2,605,687, Aug. 5.

Scott Aviation Corporation, assignee: *See*—
Koester, Norman C., and Cupp.

Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Precision variable resistor device. 2,588,994, Mar. 11.

Scott, Benjamin B., Schenectady, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cam-actuated device. 2,611,847, Sept. 23.

Scott, Benjamin B., and G. F. Greene, Schenectady, N. Y., assignors to General Electric Company. Tension arm. 2,605,055, July 29.

Scott, Benjamin B., G. F. Greene, and F. E. Valentine, Schenectady, N. Y., assignors to General Electric Company. Winding machine. 2,618,440, Nov. 18.

Scott, Carl W., Kirkland, Wash. Filling and weighing device for bins. 2,596,824, May 13.

Scott, Charles G., Kingsport, Tenn. Bracelet band holding and trimming device. 2,623,281, Dec. 30.

Scott, Charles H.: *See*—
Graner, Frank L., and Scott.

Scott, Charles H., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Sedimentation unit. 2,589,298, Mar. 18.

Scott, Charles H., Westport, assignor to The Dorr Company, Stamford, Conn. Lubricator. 2,596,607, May 13.

Scott, Charles H., Westport, assignor to The Door Company, Stamford, Conn. Rake classifier and lubricating system therefor. 2,611,474, Sept. 23.

Scott, Charles H., Westport, assignor to The Door Company, Stamford, Conn. Skimmer mechanism for clarifiers. 2,611,489, Sept. 23.

Scott, Clarence B., Tulsa, Okla., assignor to Standard Oil Development Company. Automatic volume control for seismic amplifiers. 2,585,854, Feb. 12.

Scott, Cleveland R.: *See*—
Ayers, Arnold L., and Scott.

Scott, Clifford O., Fort Mitchell, Ky. Vertically slidable vehicle door. 2,622,919, Dec. 23.

Scott, David C., Providence, and F. A. Valentine, Apponaug, R. I., assignors to Scott Testers, Inc. Testing machine marking means. 2,601,130, June 17.

Scott, David H., Bakersfield, Calif., assignor to The Texas Company, New York, N. Y. Charge setting device. 2,618,999, Nov. 25.

Scott, Donald, San Jose, Calif. Collapsible stand for barbecue or shishkabob spit and grille. 2,619,026, Nov. 25.

Scott, Earnest H., Burlington, N. C. Thread guide. 2,610,494, Sept. 16.

Scott, Eben L., Mission, Kans. Force cup for cleaning drain pipes and the like. 2,607,927, Aug. 26.

Scott, Edward R., Bridgeport, Conn. Collapsible tube compressor. 2,597,273, May 20.

Scott, Edwin D., Plymouth, assignor to Ford Motor Company, Dearborn, Mich. Combined weatherstrip and retainer. 2,612,665, Oct. 7.

Scott, Emerson R., assignor of one-half to Earl Haney, Chicago, Ill. Emergency adapter for distributors. 2,605,368, July 29.

Scott, Everette C., assignor to Crest Foods Co., Ashton, Ill. Casein-lactalbumin coprecipitate and its preparation. 2,623,038, Dec. 23.

Scott & Fetzer Company, assignee: *See*—
MacFarland, Charles H.

Scott & Fetzer Company, The, assignee: *See*—
MacFarland, Charles H.

Scott, Floyd L., Jr.: *See*—
Brown, Cicero C., and Scott.

Scott, Frederick B., Syracuse, N. Y. Belt tensioning device for variable-speed drives. 2,604,794, July 29.

Scott, Frederick S.: *See*—
Hanson, Ross A., and Scott.

Scott, George P., Kansas City, Mo., assignor to Eveready Briksaw Company, Chicago, Ill. Cutting machine for brick, tile, and similar articles. 2,591,206, Apr. 1.

Scott, George P., assignor to Electro Lift Chair Corporation, Kansas City, Mo. Elevator for invalids. 2,619,195, Nov. 25.

Scott, George P., assignor to Electro Lift Chair Corporation, Kansas City, Mo. Elevator for invalids. 2,619,196, Nov. 25.

Scott, George W., Claymont, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Chlorinated polychloroprene latex. 2,609,365, Sept. 2.

Scott, Gordon N., Beverly Hills, Calif. Device for preventing injury to pipe coatings. 2,605,786, Aug. 5.

Scott, Grady R., Baton Rouge, La., assignor to Standard Oil Development Company. Antitack agent. 2,611,751, Sept. 23.

Scott, Harold S., Alliance, Ohio. Composite mailing envelope. 2,589,632, Mar. 18.

Scott, Harry T., Los Angeles, Calif. Carburetor. 2,609,187, Sept. 2.

Scott, Herman H.: *See*—
Packard, Lucius E., and Scott.

Scott, Hermon H., Lincoln, assignor, by mesne assignments, to M. T. Smith, Concord, Mass, trustee. Method and system for reducing noise in the transmission of electric signals. 2,606,969, Aug. 12.

Scott, Hermon H., Lincoln, assignor, by mesne assignments, to M. T. Smith, Concord, Mass., trustee. Method of and system for reducing noise in the transmission of signals. 2,606,970, Aug. 12.

Scott, Hermon H., Lincoln, assignor, by mesne assignments, to M. T. Smith, Concord, Mass., trustee. Method and system for reducing noise in the transmission of electric signals. 2,606,971, Aug. 12.

Scott, Hermon H., Lincoln, assignor, by mesne assignments, to M. T. Smith, Concord, Mass., trustee. System for reducting noise in the transmission of electric signals. 2,606,972, Aug. 12.

Scott, Hermon H., Lincoln, assignor, by mesne assignments, to M. T. Smith, Concord, Mass., trustee. Electric filter. 2,606,973, Aug. 12.

Scott, James: *See*—
Putman, John H., Scott, and Ervine.

Scott, James J., Jr., deceased, Bedford, Va.; N. H. Scott, administratrix of said J. J. Scott, Jr., assignor of one-half to Oliver and Padgett, Bedford, Va. Poultry feeding machine. 2,605,743, Aug. 5.

Scott, John W.: *See*—
Egan, Clark J., and Scott.

Scott, John W., North Windham, Maine. Leak patching device for tanks. 2,618,402, Nov. 18.

Scott, John W., Berkeley, and S. Eagle, Richmond, assignors to California Research Corporation, San Francisco, Calif. Adsorption separation process. 2,621,149, Dec. 9.

Scott, Joseph C., Charlotte, N. C. Automatic bubble forming device. 2,587,535, Feb. 26.

Scott, Joseph C., Charlotte, N. C. Bubble blowing device. 2,587,536, Feb. 26.

Scott, Joseph C., Charlotte, N. C. Bubble blowing apparatus. 2,587,537, Feb. 26.

Scott, Joseph E., Pratt, Kans. Articulator. 2,608,761, Sept. 2.

Scott, Judson A., assignee: *See*—
Sherburne, Claude L.

Scott, Lewis L., Glendale, Mo. Basement heating system. 2,595,105, Apr. 29.

Scott, Lewis L., St. Louis, Mo. Radiant heating system. 2,598,841, June 3.

Scott, Lewis L., St. Louis, Mo. Radiant heating system. 2,598,842, June 3.

Scott, Lyle B.: *See*—
Mathews, Harry A., Riordan, and Scott.

Scott, Milton J.: *See*—
Park, Harold F., and Scott.

Scott, Milton J., Lexington, and E. F. Jackson, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Reaction products from an aldehyde, an aminotriazine, and a mono-N-heterocyclic compound. 2,600,698, June 17.

Scott, Nancy H., administratrix: *See*—
Scott, James J., Jr.

Scott, Philip B., Gerrards Cross, assignor of one-third to J. R. Bryans, and one-third to C. E. Stearns, London, England. Magnetic tape sound recording and reproducing apparatus. 2,615,641, Oct. 28.

Scott, Ray R., Muskogee, Okla., assignor of seventy-five per cent to C. E. Brockman, Lebanon, Mo. Adjustable safety latch. 2,592,961, Apr. 15.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Escapement mechanism. 2,597,955, May 27.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Escapement mechanism of typographical composing machines. 2,597,956, May 27.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Magazine counterbalancing mechanism. 2,605,888, Aug. 5.

Scott, Robert C., Belmont, Mass. Thickness-measuring instrument. 2,586,868, Feb. 26.

Scott, Robert J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., as trustee for H. J. and F. L. Talge. Steam iron. 2,596,608, May 13.

Scott, Robert W.: *See*—
Waltersdorf, Felix S., Scott, and Grothouse.

Scott, Roland, and E. H. Joscelyne, assignors to The Midland Tar Distillers Limited, Oldbury, Birmingham, England. Purification of naphthalene. 2,598,449, May 27.

Scott Testers, Inc., assignee: *See*—
Rogers, Robert W., and Reback.
Scott, David C., and Valentine.

Scott, Thurman T., Thomasville, Ga. Spreader for chemical fertilizer material having spiral elements for manipulating the material. 2,594,687, Apr. 29.

Scott, Tom R., Jefferson City, Mo. Detachable antislipping attachment for shoes. 2,608,008, Aug. 26.

Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Vacuum regulator for milking systems. 2,613,759, Oct. 14.

Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Oilless pump. 2,616,615, Nov. 4.

Scott, Walter J., Portland, Oreg. Apparatus for separating magnetic material. 2,604,207, July 22.

Scott, Walter W., Denver, Colo. Ellipsograph with guide. 2,595,417, May 6.

Scott, Wayne A., Saunemin, Ill. Convertible disk harrow. 2,621,459, Dec. 16.

Scott, William C., Coeur d'Alene, Idaho, assignor to Pelton's Spudnuts, Incorporated, Salt Lake City, Utah. Rolling, stamping, and cutting machine for dough. 2,595,305, May 6.

Scott, William C., Jr.: *See*—
Stout, Edgar L., Scott, and Stinson.

Scott, William F., assignor to The Maytag Company, Newton, Iowa. Spring type clutch. 2,609,906, Sept. 9.

Scott, William J., Rugby, England, assignor to General Electric Company. Gaseous electric discharge device. 2,617,957, Nov. 11.

Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,601,417, June 24.

Scott, William R., Greene, N. Y. Bag seal. 2,619,696, Dec. 2.

Scott & Williams, Incorporated, assignee: *See*—
Belford, Alexander.
Bristow, Paul W.
Curtis, Horace L.
Dodds, Maxwell P.
Grothey, Ivan W., and Lawson.
Hoyt, John B.
Lawson, Robert H.
Page, Frank R.

Scott, Wilmot H., Clayton, assignor to Vitro Products Company, St. Louis, Mo. Seat swivel. 2,618,315, Nov. 18.

Scott-Dalgleish, Innes, Jersey, Channel Islands. Clothes hanger. 2,589,737, Mar. 18.

Scott-Dalgleish, Innes, St. Helier, Jersey, Channel Islands. Chair having garment holding attachments. 2,591,381, Apr. 1.

Scotti, Joseph R.: *See*—
Selbel, Phillip H., and Scotti.

Scottish Seaweed Research Association, assignee: *See*—
Hay, John M., and McIver.
MacKenzie, William.

Scotts Engineering (Newport) Limited, assignee: *See*—
Burdin, Nelson V.
Scovil, D. & H., Inc., assignee: *See*—
Porter, Philip W.
Scovill Manufacturing Company, assignee: *See*—
Bahney, Luther W.
Balasevich, John J.
Boden, George, and Duell.
Butler, Gray L.
Chapman, Romaine C., and Borowy
Clemmons, Herbert D.
Henricksen, Harold E.
Huelster, Otto J.
Troske, Frederick W.
Vellieux, Lewis J.
Wild, Henry W.
Williams, Selden T.
Scovill, Warner E.: *See*—
Partch, John G., Day, and Scovill.
Scoville, David M., San Francisco, Calif. Paper package 2,600,927, June 17.
Scoville, Loren P.: *See*—
Agapetus, Napoleon A., Reese, and Scoville.
Scoville, Ray R., Glendale, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic marker for cathode-ray indicator tubes. 2,594,078, Apr. 22.
Scoville, Ray R., La Canada, Calif. Vacuum tube socket terminal structure. 2,604,584, July 22.
Scrimshaw, Frank H.: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.
Scrimshaw, Sydney E.: *See*—
Peel, John B., and Scrimshaw.
Scripto, Inc., assignee: *See*—
Ashmore, Leon H.
Sams, Herbert W.
Sams, Herbert W., and Smith.
Scriptomatic, Inc., assignee: *See*—
Crissy, Robert J.
Federwitz, Theodore A.
Scripture, Edward W., Jr., Cleveland Heights, assignor to The Master Builders Company, Cleveland, Ohio. Hydraulic cement composition and indurating composition therefor. 2,593,492, Apr. 22.
Scrivener, Arthur, Birmingham, England. Gauging or checking screw threads. 2,620,569, Dec. 9.
Scrivener, Samuel, Jr., trustee: *See*—
Heath, Westcott, Jr.
Scruggs, John D., assignor of thirty-three and one-third to himself, thirty-three and one-third to W. F. Vaughn and thirty-three and one-third to F. R. Draper, Phoenix, Ariz. Air cooler. 2,617,685, Nov. 11.
Scruggs, Thomas M., Richmond Heights, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Apparatus and method for manufacture of composite web material. 2,588,580, Mar. 11.
Scruggs, Thomas M., Richmond Heights, and E. K. Hall, Lemay, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Slitting and winding apparatus. 2,621,736, Dec. 16.
Scudder, Frederick J., Manhasset, and E. Vroom, Ossining, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling line identification and registering system. 2,594,505, Apr. 29.
Scudder, Frederick J., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording telephone system. 2,595,106, Apr. 29.
Scudder, Stanley L.: *See*—
Fitch, Harold L., and Scudder.
Scudder, Stanley L., assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric plotting densitometer. 2,582,073, Jan. 8.
Scull, Wm. S., Company, assignee: *See*—
Scull, William S., 2nd, and Fisher.
Scull, William S., 2nd, Bryn Mawr, and G. A. Fisher, Selinsgrove, Pa., assignors to Wm. S. Scull Company, Camden, N. J. Roasting coffee. 2,581,148, Jan. 1.
Scully, Charles T., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Two-way electric pulse communication system. 2,597,038, May 20.
Scully, Samuel M., Pleasant Ridge, assignor to O. & S. Bearing Company, Detroit, Mich. Hardened self-lubricating radial and thrust bearing. 2,600,079, June 10.
Scully Signal Company, assignee: *See*—
Mathey, Alcide E.
Sculthorpe, Raymond, Oceanport, N. J., assignor to the United States of America as represented by the Secretary of the Army. Waterproof pilot lamp. 2,586,869, Feb. 26.
Scurlock, Lennie E., assignee: *See*—
Paysinger, Jesse A.
Seaberg, Ernest E., Brooklyn, assignor to Carnoy Products Corporation, Elmsford, N. Y. Fire extinguisher nozzle. 2,599,728, June 10.
Seaberg, Ernest E., Brooklyn, assignor to Carnoy Products Corporation, Elmsford, N. Y. Fire extinguisher. 2,610,692, Sept. 16.
Seabeck, Lennart, Rocky Hill, Conn. Fishing lure. 2,606,386, Aug. 12.
Seaboard Container Corporation, assignee: *See*—
Apgar, Charles W.
Seaboard Machinery Corporation, assignee: *See*—
Jernstrom, Karl W.
Seabold, Edward J., Baltimore, Md., assignor to Drever Company, Philadelphia, Pa. Apparatus for annealing strip. 2,585,277, Feb. 12.
Seago, Alfred C.: *See*—
Henderson, Lee R., and Seago.
Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Capstack, Eugene J., and Brown.
Kolachov, Paul J., and Schneider.
Unger, Earl D., Smith, and Willkie.
Seagraves, Lucian E., and T. H. Skeel, Atlanta, Ga. Freight handling truck or machine. 2,601,933, July 1.
Seagren, Carl E., and P. W. Mowll, assignors to Carl Seagren Enterprises, Brooklyn, N. Y. Article for decorating cakes. 2,610,588, Sept. 16.
Seagren, Carl, Enterprises, assignee: *See*—
Seagren, Carl E., and Mowll.
Seagren, Nils G., South Pasadena, Calif., assignor, by mesne assignments, to Astra Engineering Company. Pneumatic door-operating mechanism. 2,586,442, Feb. 19.
Seagren, Nils G., South Pasadena, Calif., assignor, by mesne assignments, to Astra Engineering Company. Pneumatic hydraulically controlled door operating mechanism. 2,618,365, Nov. 18.
Seailles, Jean C., Paris, France. Preparing magnesium hydroxide. 2,587,001, Feb. 26.
Seal, Jessie M., assignee: *See*—
Marler, George O.
Seal-A-Door, Inc., assignee: *See*—
Watson, James, Oswald, and Watkins.
Seale, Homer T.: *See*—
Affleck, Theodore H.
Lockheed, Allan H., and Seale.
Sealed Power Corporation, assignee: *See*—
Olson, Holly M.
Sealer, Richard E.: *See*—
Parke, Donald C., and Sealer.
Seal-N-Spout Corporation, assignee: *See*—
Hoffman, Henry H.
Sealol Corporation, assignee: *See*—
Stevens, Justus B., and Bottomley.
Seal-Rite Corporation, assignee: *See*—
Kinish, Arthur R.
Seal-Spout Corporation, assignee: *See*—
Brucker, Henry.
Klausmann, Milton H.
Sealy, Incorporated, assignee: *See*—
Mis, Frank J.
Sealy, Ivan E., Geneva, N. Y. Venetian blind. 2,608,249, Aug. 26.
Seaman, David J., Battle Creek, Mich. Door pivot. 2,603,825, July 22.
Seaman, David J., and A. E. Wood, Battle Creek, Mich., said Wood assignor to said Seaman. Door latch construction. 2,581,606, Jan. 8.
Seaman, Delbert O., Des Moines, Iowa. Device for holding screen and storm windows. 2,604,675, July 29.
Seaman, Ellsworth F., Washington, D. C. Regenerable desiccator. 2,595,306, May 6.
Seaman, Henry, Canton, N. C. Solenoid valve. 2,587,538, Feb. 26.
Seaman, Henry, Canton, N. C. Hydraulically balanced valve system. 2,587,539, Feb. 26.
Seaman, Joseph W.: *See*—
Syrovy, Gerald H., and Seaman.
Seaman, Norman R., Canal Fulton, Ohio. Seat cover. 2,619,156, Nov. 25.
Seaman, Richard H., assignor to Mega Corporation, Los Angeles, Calif. Electronic discharge tube system for animated or flowing electric signs and display devices. 2,591,729, Apr. 8.
Seaman, Richard H., assignor to Mega Corporation, Los Angeles, Calif. Electronic animated advertising sign system. 2,594,357, Apr. 29.
Seamans, James W., Oakland, Calif. Scaffold raiser and remover. 2,623,643, Dec. 30.
Seamless Rubber Company, The, assignee: *See*—
Crowley, Cornelius J.
Gow, Arthur R., and Manville
Madsen, Paul S.
Madsen, Paul S., and Goodson.
Manville, Charles T.
O'Brien, William J.
Seamon, A. & L., assignee: *See*—
Seamon, Louis.
Seamon, Louis, assignor to A. & L. Seamon, Brooklyn, N. Y. Bill case. 2,595,003, Apr. 29.
Sear, Arthur W., Stratford, Conn., assignor to General Electric Company. Tension control system. 2,609,998, Sept. 9.
Searcy, Robert J., Louisville, Ky. Shoe hanger. 2,620,072, Dec. 2.
Searle, G. D., & Co., assignee: *See*—
Backus, Harrison S.
Burtner, Robert R.
Burtner, Robert R., and Arbit.
Burtner, Robert R., and Brown.
Burtner, Robert R., and Dillon.
Burtner, Robert R., and Selby.
Cusic, John W.
Cusic, John W., and Raymond.
Hadidian, Zareh.
Hadidian, Zareh, and Pirie.

Searle, G. D., & Co., assignee: *See*—Continued.
Huffman, Max N.
Krimmel, Carl P.
Papesch, Viktor.
Papesch, Viktor, and Schroeder.
Robinson, Richard A.
Robinson, Richard A., and Cusic.
Schroeder, Elmer F.
Searle, John L., assignor to Detroit Steel Products Company, Detroit, Mich. Lubricating structure for leaf springs. 2,608,402, Aug. 26.
Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of DDT. 2,610,213, Sept. 9.
Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alpha, omega-thiocyanoalkanol insecticidal compositions and their use. 2,620,290, Dec. 2.
Searle, Raymond W., Waltham, and L. M. Burgess, Lexington, assignors to Technology Instrument Corporation, Acton, Mass. Variable resistor construction. 2,623,144, Dec. 23.
Searles, Albert H., assignor to Grace Corset Company, Kalamazoo, Mich. Body supporting garment. 2,614,256, Oct. 21.
Searles, Amos, Scranton, Pa. Hydraulic screening. 2,592,605, Apr. 15.
Sears, Cecelia, assignee: *See*—
Sears, Clarence M.
Sears, Clarence M., assignor of one-half to C. Sears, Ayer, Mass., and one-half to G. F. Swanson, Providence, R. I. Body supported flashlight holder. 2,585,592, Feb. 12.
Sears, Daniel S.: *See*—
Westfahl, Jerome C., and Sears.
Sears, George W., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coprecipitated silver-beryllium oxide catalyst. 2,605,239, July 29.
Sears, George W., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and process for ethylene oxide manufacture. 2,615,899, Oct. 28.
Sears, George W., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and catalyst for producing ethylene oxide. 2,615,900, Oct. 28.
Sears, George W., Jr., and W. W. Thompson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver-beryllium oxide catalyst and making same. 2,605,240, July 29.
Sears, Joseph F., Minneapolis, Minn. Minnow dipper. 2,611,982, Sept. 30.
Sears, Raymond W.: *See*—
Gray, Frank, and Sears.
Kirkpatrick, William E., and Sears.
Sears, Richard E., Cleveland Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Actuating device. 2,583,800, Jan. 29.
Sears, Richard E., Cleveland Heights, and A. F. Karlin, Bedford, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter jaw meshing device. 2,595,004, Apr. 29.
Sears, Roebuck and Co., assignee: *See*—
Aasland, Byron T., and Webster.
Anderson, Floyd W., and Hill.
Cline, Truman H.
Hill, Stanley E.
Hill, Stanley E., and Zink.
Kidd, Wesley E., and Metzenberg.
Poust, Milton L.
Williamson, Cecil M., and Boisselier.
Seaton, Harold E., assignor to The Autocall Company, Shelby, Ohio. Annunciator system. 2,600,132, June 10.
Seaton, Max Y.: *See*—
Planfetti, John A., Seaton, and Williams.
Seaver, John D., Marblehead, Mass., assignor to General Electric Company. Thermocouple. 2,587,391, Feb. 26.
Seavey, Gordon C.: *See*—
Horsley, Caperton B., and Seavey.
Seavey, Gordon C., Arlington, assignor to Sonic Research Corporation, Boston, Mass. Generation and transmission of sound pulses. 2,620,766, Dec. 9.
Seavey, Gordon C., Arlington, and C. B. Horsley, Westwood, assignors to Sonic Research Corporation, Boston, Mass. Application of alternating shear at sonic frequencies to the treatment of material. 2,584,053, Jan. 29.
Seavey, Gordon C., Arlington, and C. B. Horsley, assignors to Sonic Research Corporation, Boston, Mass. Roller type sonic generator. 2,607,568, Aug. 19.
Seavey, Gordon C., Arlington, and C. B. Horsley, Westwood, assignors to Sonic Research Corporation, Boston, Mass. High-intensity sonic generator. 2,608,391, Aug. 26.
Seay, James I., Jr., Memphis, Tenn. Antistall mechanism for airplanes. 2,584,298, Feb. 5.
Seay, Perry A., assignor to Reeves Instrument Corporation, New York, N. Y. Servomotor apparatus. 2,610,312, Sept. 9.
Sebade, George H., Deer River, Minn. Clothesline. 2,595,817, May 6.
Sebardt, Wilhelm: *See*—
Jakobsson, Per, and Sebardt.
Sebastian, David, B. J. Heggen, and R. H. Hampton, Brooklyn, assignors of fifteen per cent to J. L. Klein, New York, N. Y. Fluid level indicator. 2,602,848, July 8.
Se Bastian, Ford, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable ice-cream freezer. 2,599,021, June 3.
Sebel, Harry, London, England. Remotely controlled mechanical walking toy. 2,593,618, Apr. 22.
Sebel, Harry, London, England. Steerable mechanical walking toy. 2,605,585, Aug. 5.
Sebell, Harry, Wolfeboro Falls, N. H., assignor to Reynolds Metals Company, Richmond, Va. Metallic can. 2,621,826, Dec. 16.
Sebok, Frank, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Shock absorbing and silencing mounting arrangement for air cleaners. 2,601,172, June 17.
Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Filter unit. 2,582,915, Jan. 15.
Sebok, Joseph B., Detroit, Mich., W. H. Browne, and A. E. Pavlish, Columbus, Ohio, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Filter unit for air cleaners. 2,587,234, Feb. 26.
Sebring, Frank E., and W. H. Bennett, assignors to H-P-M Development Corporation, Mount Gilead, Ohio. Hydraulic blankholder press and operating circuit therefor. 2,603,176, July 15.
Sebring, Walter A., Tyler, Tex. Candy forming and dispensing machine. 2,582,074, Jan. 8.
Secker, Ben, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Impedance measuring device. 2,617,857, Nov. 11.
Secor, Herbert W., Ballston Spa, N. Y., assignor to General Electric Company. Quenching device for horizontally moving articles. 2,616,437, Nov. 4.
Secord, Lloyd C., Toronto, and W. Boyd, Bobcaygeon, assignors to A. V. Roe Canada Limited, Malton, Ontario, Canada. Power take-off from the forward end of aircraft propulsive power units. 2,608,056, Aug. 26.
Secotan, Inc., assignee: *See*—
Ushakoff, Alexis E.
Secoy, Leslie W., assignee: *See*—
Dean, Charles O.
Secrest, William J., Cuyahoga Falls, assignor to the Firestone Tire & Rubber Company, Akron, Ohio. Bias cutter control mechanism. 2,581,937, Jan. 8.
Secrist, Harley W., Newark, Ohio. Spark plug. 2,605,755, Aug. 5.
Secrist, John H., assignor to Detrex Corporation, Detroit, Mich. Noncorrosive metal cleaning composition. 2,599,729, June 10.
Secrist, Lee, Euclid, assignor to Phil-Mar Corporation, Cleveland, Ohio. Decorative table lamp with adjustable light deflector. 2,592,962, Apr. 15.
Security Engineering Co., Inc., assignee: *See*—
Hammer, Otto.
Swart, Kenneth H.
Security Machine Products Company, assignee: *See*—
Green, Edward A.
Security Sash & Screen Company, assignee: *See*—
Rollings, David R.
Security Steel Equipment Corporation, assignee: *See*—
Woodin, Walter E.
Security Valve Co., assignee: *See*—
McRae, Fred W.
Sedar, William, assignor to Resin Industries, Santa Barbara, Calif. Multiple irrigation tubing. 2,621,075, Dec. 9.
Sedberry, William H., Thompsons Station, Tenn. Variable selective automatic choke for shotguns. 2,589,738, Mar. 18.
Seddon, Eric: *See*—
Sturgeon, Reginald, and Seddon.
Seddon, John C., Washington, D. C. Vacuum tube keying circuit. 2,610,294, Sept. 9.
Seddon, Robert M., Walmley, S. Coldfield, and J. C. Mathews, Harborne, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Adjustable rear wheel suspension system for motorcycles. 2,604,336, July 22.
Sederquist, Carl E., Melrose, Mass., assignor to General Electric Company. Valve for controlling marine steam turbines. 2,622,617, Dec. 23.
Sedgley, Gertrude E.: *See*—
Brown, Arthur S., and Sedgley.
Sedgwick, Kenneth G.: *See*—
Van Valkenburg, Hermon L., and Sedgwick.
Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Guiding means for heated press platen. 2,582,889, Jan. 15.
Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Apparatus for passing cleaner fluid through fabrics. 2,586,569, Feb. 19.
Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Fabricated press. 2,599,022, June 3.
Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Servo control for fluid motors. 2,610,614, Sept. 16.
Sedgwick, Robert K., Sharonville, Ohio, assignor to American Steel Foundries, Chicago, Ill. Hydraulic and electrical system for operating presses. 2,602,294, July 8.

Sédille, Marcel H. L., assignee: *See*—
Arxionnaz, René, and Sédille.
Arxionnaz, René, Sédille, and Imbert.
Hallitte, Louis A., and Sédille.
Imbert, Roger J., and Sédille.

Sédille, Marcel H. L., assignor to Societe Rateau (Societe Anonyme), Paris, France. Control means for the nozzle outlet area of jet engines. 2,580,962, Jan. 1.

Sédille, Marcel H. L., assignor to Societe Rateau (Société Anonyme), Paris, France. Gas turbine power plant, including means to treat combustion products between sucessive stages of expansion. 2,584,232, Feb. 5.

Sédille, Marcel H. L., assignor to Societe Rateau (Société Anonyme), and R. Anxionnaz, Paris, France, jointly. Annular combustion chamber with hollow air guide vanes with radial gasiform fuel slots for gas turbines. 2,592,748, Apr. 15.

Sédille, Marcel H. L., Paris, vested in the Attorney General of the United States, assignor to Societe Rateau La Courneuve, Seine Department, France. Gas turbine installation operating on gaseous fuels. 2,621,476, Dec. 16.

Sédille, Marcel H. L., Paris, and P. H. Ménard, Eaubonne, assignors to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France, jointly. Gas turbine engine associated with a gas producer under pressure. 2,592,749, Apr. 15.

Sédille, Marcel H. L., and R. J. Imbert, assignors to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Method and means for adjusting the outlet cross-section of the exhaust nozzle of a reaction jet propeller for aircraft and the like high-speed vehicles. 2,623,352, Dec. 30.

Sedlacek, Henry J., assignor to The Kalamazoo Sled Company, Kalamazoo, Mich. Child's sled of the hand propelled type. 2,582,507, Jan. 15.

See Fabrika Aktiebolag, assignee: *See*—
Larsson, Gustaf H.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. High-speed machining of ferrous materials. 2,581,449, Jan. 8.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. Die assembly. 2,602,539, July 8.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. High-speed milling machine. 2,604,018, July 22.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. Milling cutter. 2,607,108, Aug. 19.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. Milling machine and method. 2,615,371, Oct. 28.

See, Theodore S., Hammond, Ind., and H. A. Frommelt, Milwaukee, Wis., assignors to La Salle Steel Company, Chicago, Ill. Bar miller. 2,592,606, Apr. 15.

See, Walter G., Hammond, Ind. Fuel ignition system. 2,596,729, May 13.

See, Walter G., assignor to Submerged Combustion Company of America, Inc., Hammond, Ind. Apparatus for concentrating acids. 2,607,661, Aug. 19.

Seeber, Dale S., Hillsboro, Oreg. Precast sectional concrete stairs. 2,615,325, Oct. 28.

Seeber, Eugene A., Rochester, N. Y. Paintbrush guard. 2,584,504, Feb. 5.

Seeber, Robert R., Jr.: *See*—
Hamilton, Francis E., Seeber, and Prentice.

Seebohm, Derrick, Hitchin, England. Support for fencing. 2,599,788, June 10.

Seeburg, J. P., Corporation, assignee: *See*—
Andrews, Edward F.
Davis, Hugh H.
Jensen, Herman G.
Johnson, Carl G.
Kenney, Mahlon W.
Kenney, Mahlon W., and Johnson.
Merrill, Henry M.

Seed, Leslie, Northwich, England, assignor to Imperial Chemical Industries Limited. Polymerizing ethylene in aqueous emulsion. 2,592,526, Apr. 15.

Seed, Leslie C., Leeds, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Plate-straining mechanism for use in printing machines. 2,599,417, June 3.

Seeger, Doris R.: *See*—
Parker, Robert P., Seeger, and Kuh.

Seeger, Edwin W.: *See*—
Audier, Mark, and Seeger.

Seeger Refrigerator Company, assignee: *See*—
Ayres, Russell W.
Beckett, Leo G.
Richard, William E.
Swedman, Enoch.

Seeger, Robert W., and G. P. Felts, Pasadena, assignors of one-third to M. H. Lewis, South Pasadena, Calif. Multiple flash lamp. 2,622,188, Dec. 16.

Seeger-Sunbeam Corporation, assignee: *See*—
Soreng, Edgar M., and Juergens.

Seegers, Arthur J. and L. G., assignors of one-half to J. A. Priest, French Camp, Calif. Hay feed cutoff for baling machines. 2,591,970, Apr. 8.

Seegers, Lawrence G.: *See*—
Seegers, Arthur J. and L. G.

Seele, Jean W., Topeka, Kans. Locking device. 2,590,896, Apr. 1.

Seelenfreund, Louis M., assignor to Action Buffs, Inc., Chicago, Ill. Buffing wheel. 2,594,812, Apr. 29.

Seeler, Henry, Dayton, Ohio. Resuscitator. Re. 23,496, May 20.

Seeler, Henry, Dayton, Ohio. Resuscitator. 2,581,450, Jan. 8.

Seeler, Henry, Dayton, Ohio. Pressure breathing demand oxygen regulator. 2,597,039, May 20.

Seeler, Henry, Dayton, Ohio. Resuscitator using separate air and oxygen sources. 2,617,411, Nov. 11.

Seeler, Henry, Heidelberg, Germany. Pressure responsive regulator. 2,596,178, May 13.

Seeley, George A., New Haven, Conn., and G. E. Seeley, Worcester, Mass. Motor-driven shaver. 2,592,198, Apr. 8.

Seeley, George E.: *See*—
Seeley, George A. and G. E.

Seelig, Major G.: *See*—
Thomas, Charles A., Logue, and Seelig.

Seeling, John H., La Crosse, Wis. Sand conditioning apparatus. 2,607,489, Aug. 19.

Seeloff, Melvin M.: *See*—
Mallett, Edwin A., and Seeloff.

Seely, Otty J., Oildale, assignor of thiry per cent to R. N. Lancaster, Bakersfield, Calif. Trailer steering mechanism. 2,592,475, Apr. 8.

Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Clutch tripping mechanism. 2,595,418, May 6.

Seemann, Arthur K., Manhasset, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Pivoted device. 2,613,119, Oct. 7.

Sees, George F., Port Elgin, Ontario, Canada. Animal trap. 2,619,765, Dec. 2.

Sees, James E., Washington, D. C. Devise for automatically tracking heavenly bodies. 2,595,205, Apr. 29.

Seferlis, Peter J., Princeton, N. J. Hair trimmer. 2,587,235, Feb. 26.

Sefren, John H., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,601,996, July 1.

Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Fire-control mechanism for firearms. 2,584,299, Feb. 5.

Sefton, Robert C., and J. J. Zimsky, Pittsburgh, Pa., assignors, by mesne assignments, to McGraw Electric Company. Making transformer cores. 2,613,430, Oct. 14.

Sefton, Robert C., Dormont Borough, and J. J. Zimsky, Canonsburg, Pa., assignors, by mesne assignments, to McGraw Electric Company. Magnetic core. 2,614,158, Oct. 14.

Sefton, Samuel E., Chicago, Ill. Wire solder feeder for soldering irons. 2,604,064, July 22.

Segal, Arthur R., Milwaukee, Wis. Circular saw. 2,600,272, June 10.

Segal, Hyman R., New York, N. Y. Key retainer. 2,601,331, June 24.

Segal, Leon: *See*—
Ward, Kyle, Jr., Conrad, and Segal.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Paper trimmer. 2,591,472, Apr. 1.

Segal, Samuel, New York, N. Y. Desk pad. 2,592,828, Apr. 15.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Pin file-fastener. 2,608,732, Sept. 2.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Slidably actuated loose-leaf binder. 2,612,169, Sept. 30.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Handy memo. 2,616,726, Nov. 4.

Segall, Gordon H.: *See*—
Bilton, John A., and Segall.

Segall, Gordon H., and J. F. C. Dixon, McMasterville, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Styrene-arcylic acid copolymers reacted with polymeric 4-vinylcyclohexene diepoxide. 2,604,457, July 22.

Segall, Gordon H., and J. F. C. Dixon, McMasterville, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Reaction product of diphenylolpropane diglycidyl ether with styrene-acrylic acid copolymers. 2,604,464, July 22.

Segel, Edward: *See*—
Lidov, Rex E., Hyman, and Segel.

Segel, Edward, R. E. Lidov, and J. Hyman, Denver, Colo.; said Segel and said Lidov assignors to Velsicol Corporation, Chicago, Ill. Isomers of Diels-Alder adducts of hexahalocyclopentadiene with quinones. 2,584,140, Feb. 5.

Seger, Francis M.: *See*—
Rutledge, Thomas F., and Seger.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Handle for suction cleaner casing. 2,591,305, Apr. 1.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. End closure and latching mechanism therefor for suction cleaners. 2,605,927, Aug. 5.

Segre, Emilio G., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radioactive assay apparatus. 2,597,535, May 20.

Segre, Mario, Quito, Ecuador. Fountain pen. 2,603,189, July 15.

Segrove, Herbert D., Thornton Heath, assignor to Standard Brick & Sand Company Limited, Holmethorpe, Redhill, England. Chemical treatment of sand for glassmaking. 2,583,280, Jan. 22.

Seibel, Phillip H., Affton, and J. R. Scotti, St. Louis, Mo. Blowgun. 2,580,613, Jan. 1.

Seiberling Latex Products Company, assignee: *See*—
Sidnell, Albert E., and Thompson.

Seiberling Rubber Company, assignee: *See*—
Gibbs, Everett H.

Seibert, Carl F., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Apparatus for forming tubular L's. 2,612,205, Sept. 30.

Seibert, Eduardo, Rivera, Uruguay. Device for automatically stopping warp knitting and similar machines for making mesh goods in case of rupture of threads. 2,608,846, Sept. 2.

Seibert, Edward G., Scarsdale, N. Y. Automobile window sunvisor shade. 2,594,813, Apr. 29.

Seibert, Ernest H.: *See*—
Krause, Richard S., and Seibert.

Seibert, Howard F.: *See*—
Pratt, William J., Seibert, and Stribley.

Seid, Charles K., Woodmere, N. Y. Belt with garment holding clamps. 2,595,893, May 6.

Seid, Edmund: *See*—
Vogel, Snyder, and Seid.

Seidel, Gustav A., assignor to Spliced-wood Corporation, Mellen, Wis. Apparatus for placing beams in baling presses. 2,598,075, May 27.

Seidel, Leon M., assignee: *See*—
Campbell, John.

Seidel, Stephen G., Abington, and R. P. Lownes, assignors to J. A. Margolis, Philadelphia, Pa. Device for opening and emptying cartons. 2,597,387, May 20.

Seidel, William L., Wyomissing, assignor to Willson Products, Inc., Reading, Pa. Goggles. 2,589,439, Mar. 18.

Seidle, Ralph E., assignor to American Truck and Body Company, Inc., Martinsville, Va. Unidirectional fluid pressure mechanism. 2,616,396, Nov. 4.

Seifter, Joseph: *See*—
Abell, Liese L., Bruce, and Seifter.

Seifert, Charles F., Milwaukee, Wis. Fishing rod. 2,620,586, Dec. 9.

Seifert, Frank J., Williams, Mont. Tractor lift control. 2,618,167, Nov. 18.

Seifried, Anthony G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electric switch. Re. 23,530, July 29.

Seifried, Anton G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for maintaining alignment of traveling belts. 2,600,273, June 10.

Seifried, Anton G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of tires with high-frequency fields and apparatus therefor. 2,611,152, Sept. 23.

Seifried, Anton G., and W. L. Jenkins, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. High-frequency heating. 2,603,741, July 15.

Seifried, Paul E., New City, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyroscopic instrument. 2,589,873, Mar. 18.

Seifried, Richard, assignee: *See*—
Gray, Landon R., and Smith.

Seigel, Frank J.: *See*—
Schmid, John H., Tansey, and Seigel.

Seigh, William J. E. S., and D. J. Du Chene, Monroe, Mich. Conveyer guard. 2,582,508, Jan. 15.

Seiler, Dayton A., assignor to M. H. Seiler, Elizabethton, Tenn. Detachable button for garments. 2,611,167, Sept. 23.

Seiler, Karl, 3rd, Lafayette Hill, Pa. Soldering cans. 2,620,425, Dec. 2.

Seiler, Mollie H., assignee: *See*—
Seiler, Dayton A.

Seim, Henry J.: *See*—
Holt, Matthew L., and Seim.

Seinfeld, Ludwik, New Providence Township, Union County, N. J., assignor, by mesne assignments, to H. K. Porter Company, Inc., Pittsburgh, Pa. Plugcock. 2,596,730, May 13.

Seismograph Service Corporation, assignee: *See*—
Barthelmes, Albert J.
Finn, Robert S.
Hawkins, James, and Finn.
Hawkins, James E.
Hawkins, James E., and Baltosser.

Seitz, Franz X., Kreuzlingen, Switzerland. Rockable upholstered vehicle seat. 2,605,813, Aug. 5.

Seitz, Rudolph O., East Orange, N. J., assignor to Air Reduction Company, Incorporated. Controlling a burner flame. 2,618,325, Nov. 18.

Selvert, H. M., assignee: *See*—
Gensmer, Theodore F.

Sekella, Youston, Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,609,696, Sept. 9.

Sekely, Carl, Salem, Ohio. Grass shears. 2,591,620, Apr. 1.

Sekki, Rudolph O., Fairport Harbor, Ohio. Pipe layout gauge. 2,607,126, Aug. 19.

Selander, Edwin P., Perkins, Mich. Safety-locked folding shears. 2,588,939, Mar. 11.

Selas Corporation of America, assignee: *See*—
Bloom, Quentin M.
Fuller, Robert A.
Furczyk, Alfons A.
Garrett, James W.
Hess, Frederic O.
Hess, Frederic O., and Fleischer.
Hess, Frederic O., and Kniveton.
Hess, Frederic O., Tark, and Schofield.
Hoopes, Penrose R., and Froelich.
Robinson, John W.
Skivesen, Kristian.
Williams, John R.

Selberg, John P., Los Angeles, assignor, by mesne assignments, to Dresser Equipment Company, Torrance, Calif. Portable well servicing rig. 2,595,307, May 6.

Selbie, James C.: *See*—
Berriman, John A., and Selbie.

Selby, Darrell R.: *See*—
McBee, Harry B., and Selby.

Selby, Eston L., Alamo, Ind. Stitch puller. 2,623,729, Dec. 30.

Selby, James, Willesden, assignor to B. Elliott & Company Limited, London, England. Surface grinding machine. 2,611,220, Sept. 23.

Selby Shoe Company, The, assignee: *See*—
Rice, James C., and Krick.

Selby, William M.: *See*—
Burtner, Robert R., and Selby.

Selck, Walter E., and Co., assignee: *See*—
Drain, Herbert D.

Selector, Inc., assignee: *See*—
Strudwick, Arthur E.

Selectronic Corporation, assignee: *See*—
Jenett, Henry, and Mittelmann.

Selen, Johannes H. G.: *See*—
Nagels, Frederik, and Selen.

Self-Changing Gear Company Limited, assignee: *See*—
Wilson, Andrew G., and Miller.

Self, Douglas R.: *See*—
Wimberly, Sam B., and Self.

Self, Lewis J., Inglewood, Calif., assignor to North American Aviation, Inc. Joggling. 2,619,149, Nov. 25.

Seliber, Joseph, Brooklyn, N. Y. Pilot injection nozzle. 2,584,745, Feb. 5.

Seliger, Rudolf R., Palisades Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyroerection system. 2,589,874, Mar. 18.

Seligman, Arthur, Newark, N. J. Water cooler. 2,587,772, Mar. 4.

Seligson, George H., New York, N. Y. Jointed figure toy. 2,515,283, Oct. 28.

Selin, Per H., assignor to Aktiebolaget Bofors, Bofors, Sweden. Artillery gun barrel. 2,606,480, Aug. 12.

Sell, Frank A.: *See*—
Sell, Mary W. and F. A.

Sell, Mary W. and F. A., Los Angeles, Calif. Pan lid to absorb grease. 2,587,773, Mar. 4.

Sell, Richard G.: *See*—
Cubitt, Roger H., and Sell.

Sellars, Fred M., Rochdale, England. Device for the attachment of lamps to motor vehicles. 2,613,052, Oct. 7.

Sellars, George L.: *See*—
Barber, Hiram L., and Sellars.

Sellers, Jesse E.: *See*—
Mohler, Donald, and Sellers.

Sellers, William D., Pasadena, Calif., assignor to The Hoover Company, North Canton, Ohio. Rotary brush for suction cleaners. 2,601,693, July 1.

Sellinger, Marcellite M., Oak Park, Ill. Removable insole assembly for footwear. 2,622,348, Dec. 23.

Selnick, Eugene H.: *See*—
Fletcher, James, Miller, and Selnick.

Selove, Walter, Chicago, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Impedance meter. 2,592,750, Apr. 15.

Selund, Robert B.: *See*—
Hays, Leonard A., Jr., and Selund.
Wanderer, Kenneth H., Hays, and Selund.

Selvig, John N.: *See*—
Ewaldson, Waldemar C., and Selvig.

Selwyn-Landers Company, assignee: *See*—
Selwyn, Marlowe F.

Selwyn, Marlowe F., assignor to Selwyn-Landers Company, Los Angeles, Calif. Relief valve. 2,601,563, June 24.

Selz, Edgar, assignor to The Emulsol Corporation, Chicago, Ill. Determination of the color of egg yolk products. 2,601,173, June 17.

Selzer, John, Fort Wayne, Ind., assignor to International Harvester Company. Tire carrier. 2,584,233, Feb. 5.

Semar, Harold W.: *See*—
Mierley, George M., and Semar.

Seme, John J., Cleveland, Ohio. Sliding post caliper. 2,596,731, May 13.

Semegen, Stephen T., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Temporary protective coating and method of vulcanizing. 2,611,153, Sept. 23.

Semel, David O., Los Angeles, Calif. Dishwashing apparatus of the gear-driven rotary brush type. 2,608,704, Sept. 2.

Semeraro, Ariosto, Rio de Janeiro, Brazil. Core for molding channels and outlet openings in concrete walls. 2,623,261, Dec. 30.

Semeyn, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Socket for an elongated tubular lamp having spaced contact pins at its ends. 2,588,887, Mar. 11.

Seminara, Robert, New York, assignor of fifty per cent to E. W. White, Brooklyn, N. Y. Shoe treating machinery. 2,606,404, Aug. 12.

Seminario, Isadore, Lancaster, Calif. Automatic leveling mechanism for land levelers. 2,599,490, June 3.

Semisch, Kurt F., Holyoke, and A. J. Belisle, South Hadley Falls, Mass. Spring forming apparatus. 2,603,247, July 15.

Semm, Paul T., assignor to Wheelco Instruments Company, Chicago, Ill. Flame detector. 2,600,928, June 17.

Semmel, Samuel, Bronx, N. Y. Neckwear bow. 2,617,107, Nov. 11.

Semmelman, John O., and J. E. Watson, York, Pa., assignors to The Dentists' Supply Company of New York, New York, N. Y. Artificial teeth. 2,611,958, Sept. 30.

Semmes, Thomas J., Memphis, Tenn. Produce gathering sack. 2,603,265, July 15.

Semmes, Thomas J., Memphis, Tenn. Pick sack. 2,605,801, Aug. 5.

Semonsen, Otto C., Bellerose, N. Y. Opener for hairpins. 2,621,662, Dec. 16.

"Semperit" Österreichisch-Amerikanische Gummiwerke Aktiengesellschaft, assignee: *See*—
Glebhart, Anton.

Semple, John A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator door construction. 2,612,661, Oct. 7.

Sempos, Christ E., East Wareham, Mass. Cranberry recovery machine. 2,597,131, May 20.

Senard, Pierre, Bapeaume-les-Rouen, France. Automatic saw blade planishing, stretching, and straightening machine. 2,623,414, Dec. 30.

Senco Products, Inc., assignee: *See*—
Julifs, Albert G.

Sendzimir, Tadeusz, Middletown, Ohio, assignor to Armzen Company, Incorporated, Waterbury, Conn. Collapsible tension-winder or reel for strip material. 2,591,730, Apr. 8.

Sendzimir, Tadeusz, Woodbury, Conn. Producing tubular and sheet metals. 2,597,046, May 20.

Seneca Falls Machine Company, assignee: *See*—
Small, Frederick B.
Smith, Edwin R.

Senesky, John S., Somerville, N. J., assignor to Air Reduction Company, Incorporated. Gas pressure regulator. 2,615,287, Oct. 28.

Senfleben, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for use in making slip-lasted shoes. 2,623,223, Dec. 30.

Seng Company, The, assignee: *See*—
Lundberg, Gustave E.

Sengebusch, Hans: *See*—
Graybill, Kenneth W., and Sengebusch.

Sengebusch, Hans, Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Switching apparatus for telephone systems. 2,604,541, July 22.

Sengebusch, Hans, Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. X-Y switch for a telephone system. 2,607,855, Aug. 19.

Sengebusch, Hans, Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Switching apparatus for telephone systems. 2,607,856, Aug. 19.

Senger, Frank A., Somerville, N. J., assignor to Ortho Pharmaceutical Corporation. Spring closure for collapsible tubes. 2,609,975, Sept. 9.

Senior, Henry, and G. Tomlinson, assignors to Cascelloid Limited, Leicester, England. Jointed doll. 2,611,998, Sept. 30.

Senkel, Wesley, assignee: *See*—
Gipson, William C.

Senkus, Murray and P. C. Markunas, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of bacitracin. 2,609,324, Sept. 2.

Senna, Edward, Spokane, Wash., assignor to Senna Service Inc. Pipe-bending machine. 2,614,605, Oct. 21.

Senna Service Inc., assignee: *See*—
Senna, Edward.

Senné, Edgar P., Rockville Centre, assignor to Electrolux Corporation, New York, N. Y. Filter replacement mechanism for vacuum cleaners. 2,621,756, Dec. 16.

Sennet, Morgan B., assignor to De Laval Steam Turbine Company, Trenton, N. J. Mixing pump. 2,581,451, Jan. 8.

Sennet, Morgan B., assignor to De Laval Steam Turbine Company, Trenton, N. J. Pump. 2,588,888, Mar. 11.

Sennet, Morgan B., assignor to De Laval Steam Turbine Company, Trenton, N. J. Series arrangement of positive and non-positive screw pumps. 2,592,476, Apr. 8.

Sensaud de Lavaud, Robert, Sao Paulo, Brazil. Electromagnetic clutch. 2,597,388, May 20.

Sensiper, Samuel, Cambridge, Mass., R. B. Muchmore, Los Angeles County, Calif., and J. V. Hupcey, Hempstead, assignors to The Speery Corporation, Great Neck, N. Y. Impedance matching device for wave guide junctions. 2,584,162, Feb. 5.

Senstock, John E., Amherst, Colo. Grain unloader for trucks and the like. 2,607,472, Aug. 19.

Sepahban, Amir H.: *See*—
Burkhart, William H., and Sepahban.

Sepavich, Victor F.: *See*—
Howe, Donald W., Jr., and Sepavich.

Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control system for looms. 2,589,875, Mar. 18.

Sepavich, Victor F., and R. A. Donnan, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detecting system for drop box looms. 2,592,199, Apr. 8.

Sepelak, Michael, New Castle, Pa. Recording telephone. 2,597,957, May 27.

Sepesy, Bernard C., Streator, Ill. Closure device. 2,591,207, Apr. 1.

Seppmann, Alfred B., Mankato, Minn. Compound master cylinder. 2,580,850, Jan. 1.

Seppmann, Alfred B., Mankato, Minn. Master cylinder relief valve. 2,580,851, Jan. 1.

Seppmann, Alfred B., Mankato, Minn. Emergency brake lock. 2,601,909, July 1.

Seppmann, Alfred B., Mankato, Minn. Lock and hill holder valve for hydraulic brakes. 2,623,541, Dec. 30.

Septer, Leslie E., Cheviot, and W. H. Myers, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinetry for electronic reproducers. 2,618,526, Nov. 18.

Serduke, James T., El Cerrito, Calif. Apparatus for cooling gases. 2,603,619, Aug. 5.

Serduke, James T., El Cerrito, Calif., and R. O. Webster, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. High-speed bearing and turbine. 2,602,632, July 8.

Seredniсky, Paul, North Syracuse, and G. T. Jarrett, assignors to Lipe-Rollway Corporation, Syracuse, N. Y. Inertia brake. 2,592,751, Apr. 15.

Seright, Carl G., Riverton, and H. F. Baker, Moorestown, N. J., assignors to Radio Corporation of America. Beat frequency oscillator for receivers. 2,593,349, Apr. 15.

Sermeus, William T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Partition. 2,609,436, Sept. 2.

Serner, Herbert E., Oakland, N. J. Bubble tower. 2,582,657, Jan. 15.

Serniuk, George, Roselle, N. J., assignor to Standard Oil Development Company. Thioglycolic acid adducts of rubber-like polymers and preparing same. 2,589,151, Mar. 11.

Serrano, Edmundo H., St. Louis, Mo. Clamp for stringing rackets. 2,608,737, Sept. 2.

Serrell, Minnie B., Plainfield, N. J. Curtain hook support. 2,607,977, Aug. 26.

Serrell, Robert, Princeton, N. J., assignor to Radio Corporation of America. Television signal control system. 2,611,819, Sept. 23.

Serrell, Robert, Princeton, and E. A. Goldberg, Princeton Junction, N. J., assignors to Radio Corporation of America. Computing device. 2,613,032, Oct. 7.

Serugo Rubber Company, The, assignee: *See*—
Hauser, Joseph E.

Servall Products, Inc., assignee: *See*—
Randall, Elwin E.

Servel, Inc., assignee: *See*—
Ashby, Carl T., Kuenzli, and Miller.
Ashby, Carl T., and Miller.
Berry, Norton E.
Bulkley, William L.
Cook, Dudley R.
Dail, Owenby J.
Davidson, John.
Hadley, Orval P.
McNeely, Lowell.
McNeely, Lowell, and Whitlow.
Ploeger, Clyde E.
Shagaloff, Harry C.
Simpson, Walter M.
Taylor, Robert S.
Whitlow, Eugene P.

Service Caster and Truck Corporation, assignee: *See*—
Huffman, Levi D.

Service Diamond Tool Company, assignee: *See*—
Small, Louis.

Service Recorder Company, The, assignee: *See*—
Cool, Kenneth A., and Slates.

Servis Equipment Company, assignee: *See*—
Jarmin, James B.

Servisoft, Inc., assignee: *See*—
Ralston, Glenn S.

Servo Corporation of America, assignee: *See*—
Willey, Frank G.

Sesher, William A., Springfield, Pa. Pipe and gasket joint. 2,589,876, Mar. 18.

Sesso, Louis M., and A. M. Jordan, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Wax composition. 2,598,666, June 3.

Sester, Harry F., assignor to Saranac Patents Holding Company, Benton Harbor, Mich. Crate and box construction. 2,609,957, Sept. 9.

Sestillo, Armand J., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Apparatus for stripping food products from a spur plate. 2,621,818, Dec. 16.

Setchell, Barton T., New Brighton, Minn. Safety control circuit for electronic amplifiers. 2,589,299, Mar. 18.

Setchell, Barton T., St. Paul, Minn. Making radio speakers. 2,591,881, Apr. 8.

Setter, Arnt, Santa Clara, Calif. Antifriction structure for worm wheels and the like. 2,597,389, May 20.

Settles, James C.: *See*—
Orr, Claude L., and Settles.

Settles, James C., and L. E. Furniss, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Friction wedge. 2,587,392, Feb. 26.

Settles, James C., Columbus, and L. E. Furniss, Groveport, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Inboard railway truck. 2,594,079, Apr. 22.

Setvate, Bernard G., Milwaukee, Wis. Double shelf bracket. 2,588,995, Mar. 11.

Setzer, Curt F., and H. W. Ryan, assignors to Setzer Forest Products, Inc., Sacramento, Calif. Lumber sorting apparatus. 2,613,825, Oct. 14.

Setzer Forest Products, Inc., assignee: *See*—
Setzer, Curt F., and Ryan.

Setzkorn, Eugene A.: *See*—
McKinney, Leonard L., Uhing, Setzkorn, and Cowan.

Seur, Christiaan J., and D. G. Kerker, Hilversum, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Blocking oscillator. 2,623,178, Dec. 23.

Seur, Christiaan J., and D. G. Kerker, Hilversum, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Blocking oscillator. 2,624,007, Dec. 30.

Sevall, Herbert E., and R. P. Schaeffer, Elgin, Ill., assignors to The Borden Company, New York, N. Y. Whipping composition. 2,588,419, Mar. 11.

Severance, Deane C., Huntington Park, Calif. Portable branding device. 2,585,504, Feb. 12.

Severance, William M., assignor of thirty per cent to A. L. Cahn, and twenty per cent to E. E. Pylate, Meridian, Miss. Pea sheller. 2,619,968, Dec. 2.

Severi, Mentore, Buenos Aires, Argentina. Removing nicotine from tobacco. 2,582,075, Jan. 8.

Severs, Jan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for vibration testing. 2,596,048, May 6.

Severson, Arthur: *See*—
Dahl, Hugo, and Severson.

Severson, Arthur, Milwaukee, Wis. Window stop. 2,609,222, Sept. 2.

Severson, Ole C., Derby, assignor to The Viking Tool Company, Shelton, Conn. Toolholder. 2,584,505, Feb. 5.

Sevold, Boyd J., Chicago, Ill., assignor to Atlas Powder Company, Wilmington, Del. Blasting cap. 2,604,044, July 22.

Sevón, Johan W., deceased, and F. V. Sundman, Kuusankoski; K. B. Fogelholm, administrator of the estate of said J. W. Sevón, assignors to Kymin Osakeyhtio-Kymmene Aktiebolag, Kuusankoski, Kymi, Finland. Preparing chlorine dioxide gas. 2,585,593, Feb. 12.

Seward, Edgar C., Arlington, Va. Freight handling equipment. 2,593,494, Apr. 22.

Seward, Percy R., deceased, Minneapolis, Minn., by Addressograph-Multigraph Corporation, Wilmington, Del., assignee: Automatic plate inserter and ejector for embossing machines. Re. 23,508, May 27.

Sewell, Ben W., Tulsa, Okla., assignor to Standard Oil Development Company. Drilling procedure and apparatus. 2,595,107, Apr. 29.

Sewell, Ben W., Tulsa, Okla., assignor to Standard Oil Development Company. Sampling apparatus for subterranean fluids. 2,623,594, Dec. 30.

Sewell, Ben W., Tulsa, Okla., assignor to Standard Oil Development Company. Punch type core barrel. 2,623,733, Dec. 30.

Sewell, Ben W., and G. H. Ramsey, Tulsa, Okla., assignors to Standard Oil Development Company. Formation tester. 2,600,173, June 10.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Well logging apparatus. 2,623,805, Dec. 30.

Sewell, Dora, Canal Point, Fla. Hem marker. 2,584,929, Feb. 5.

Sewell, Harry P., Forest Hills, N. Y. Method and apparatus for forming raised characters and lines. 2,616,198, Nov. 4.

Sexton, Albert O., Muskogee, Okla. Apron-type package and article carrier. 2,616,598, Nov. 4.

Sexton, Arthur R.: *See*—
Britton, Edgar C., and Sexton.

Sexton, Francis G., assignor to W. H. Smith & Son Limited, London, England. Pad of continuous stationery. 2,583,064, Jan. 22.

Seybold, Arthur M., West Orange, N. J., assignor to Radio Corporation of America. Control circuit. 2,593,350, Apr. 15.

Seybold, Carl S., Jr.: *See*—
Hall, Elwin B., Snyder, and Seybold.
Snyder, Ernest F., and Seybold.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co. Inc., New York, N. Y. Cutting knife slot closing plate. 2,597,826, May 20.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Company, Inc., New York, N. Y. Clamp and knife drive mechanism. 2,621,733, Dec. 16.

Seybold, René, Strasbourg-Meinau, France. Ballasted reed for musical instruments. 2,599,135, June 3.

Seyferth, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Machine tool spindle drive. 2,592,200, Apr. 8.

Seyforth, Rome C., assignor to The Shelby Metal Products Company, Shelby, Ohio. Drawer pull. 2,608,712, Sept. 2.

Seyforth, Rome C., assignor to The Shelby Metal Products Company, Shelby, Ohio. Atomizer. 2,609,234, Sept. 2.

Seymour, Dexter C., Wyckoff, N. J., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with conjugated trienic terpenes. 2,616,880, Nov. 4.

Seymour, Dexter C., Wyckoff, N. J., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with ethylenically-unsaturated ketones. 2,616,881, Nov. 4.

Seymour, Dexter C., Wyckoff, N. J., assignor to United States Rubber Company, New York, N. Y. Shortstopping vinyl chloride polymerizations with vinyl pyridines. 2,616,882, Nov. 4.

Seymour, Evie R., and C. W. R. Russell, Portsmouth, Va. Elimination and irrigation equipment. 2,591,208, Apr. 1.

Seymour, George W., Cumberland, Md., and V. S. Salvin, Summit, N. J., assignors to Celanese Corporation of America. Anthraquinone dyestuffs. 2,587,002, Feb. 26.

Seymour, George W., Maplewood, B. B. White, Summit, and M. Plunguian, Gillette, N. J., assignors to Celanese Corporation of America. Preparation of cellulose esters. 2,603,634, July 15.

Seymour, George W., Maplewood, B. B. White, Summit, and M. Plunguian, Gillette, N. J., assignors to Celanese Corporation of America, New York, N. Y. Preparation of organic acid esters of cellulose. 2,603,635, July 15.

Seymour, George W., Maplewood, B. B. White, Summit, and M. Plunguian, Gillette, N. J., assignors to Celanese Corporation of America, New York, N. Y. Production of organic acid esters of cellulose. 2,603,638, July 15.

Seymour, George W., Millburn, V. S. Salvin, Summit, N. J., and W. R. Edwards, Cumberland, Md., assignors to Celanese Corporation of America. 1-amino-2-bromo-4-hydroxy-anthraquinone by hydrolysis of 1-amino 2,4-dibrom anthraquinone. 2,604,480, July 22.

Seymour, George W., Maplewood, and V. S. Salvin, Summit, N. J., assignors to Celanese Corporation of America. Production of 1 : 4 : 5 : 8 tetramino-anthraquinone. 2,607,782, Aug. 19.

Seymour, Kenneth: *See*—
Reilly, Hugh L., and Seymour.

Seymour, Malcolm, assignor to B. B. Chemical Co., Boston, Mass. Supported adhesive sheet material unit and making the same. 2,596,179, May 13.

Seymour, Raymond B., assignor to Industrial Research Institute of the University of Chattanooga, Chattanooga, Tenn. Reaction products of alkylene oxides and synthetic polymeric carboxylic acids. 2,607,761, Aug. 19.

Seymour, Raymond B., Allentown, and W. B. Walker, Macungie, assignors to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Corrosion and solvent resistant pipe joint. 2,622,901, Dec. 23.

Shabaker, Hubert A.: *See*—
Weidman, Walter L., Shabaker, and Cornelius.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Sulfidation of minerals. 2,596,609, May 13.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for contacting solid materials with fluids. 2,596,610, May 13.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Gel bead forming method and apparatus. 2,616,857, Nov. 4.

Shacikoski, Anthony, Avonmore, Pa. Mine door structure. 2,621,725, Dec. 16.

Shack, Andrew T., Brentwood, and W. L. Zemberry, Pittsburgh, Pa., assignors to United States Steel Company. Gauging and marking device. 2,587,774, Mar. 4.

Shackel, Joseph T., Detroit, Mich. Fishing gaff. 2,584,371, Feb. 5.

Shade, Robert P., Evanston, Ill. Heating system 2,619,288, Nov. 25.

Shadley, George R., and W. L. Martin, Ottumwa, Iowa. Minnow boot. 2,616,207, Nov. 4.

Shaeffer, David W., St. Louis, Mo., assignor to Phillips Petroleum Company. Automatic control of inspirators for gas plants. 2,608,477, Aug. 26.

Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Hydraulic power control. 2,589,877, Mar. 18.

Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Axially movable rotary valve. 2,620,155, Dec. 2.

Shaeffer, Norbert: *See*—
Davis, Roy P. M., and Shaeffer.

Shafer Bearing Corporation, assignee: *See*—
Williams, Arthur H.

Shafer, Homer J., Mansfield, Ohio. Vessel and fluid propelling device. 2,611,321, Sept. 23.

Shafer, Homer J., assignor to The Shafer Valve Co., Mansfield, Ohio. Pressure fluid actuated operator for pipe line valves. 2,612,906, Oct. 7.

Shafer, John F.: *See*—
Kessel, William P., and Shafer.

Shafer, Orville B.: *See*—
Dayger, Jonas E., Shafer, Wooding, Sarley, and Williams.

Shafer, Samuel, Jr.: *See*—
Miller, Arthur E., Lindow, and Shafer.

Shafer Valve Co., The, assignee: *See*—
Shafer, Homer J.

Shaff, Ernest H., Bryan, Ohio, assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,598,450, May 27.

Shaff, Ernest H., Hamilton, Ind., assignor to Keller Tool Company, Grand Haven, Mich. Power-driven gear operated wrench. 2,618,187, Nov. 18.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Portable power driven nut setter. 2,607,252, Aug. 19.

Shaff, Ernest H., Spring Lake, Mich. Slidable outer jaw plier-type wrench. 2,610,534, Sept. 16.

Shaff, Ernest H., Spring Lake, assignor, by mesne assignments, to Keller Tool Company, Grand Haven, Mich. Torque wrench. 2,614,418, Oct. 21.

Shaff, Ernest H., Spring Lake, assignor, by mesne assignments, to Keller Tool Company, Grand Haven, Mich. Combination nut running and setting tool. 2,614,419, Oct. 21.

Shaffer, Benjamin H., assignor of one-half to W. A. Shaffer, Dearborn Township, Mich. Grass trimmer. 2,587,393, Feb. 26.

Shaffer, Chester E., Arlington, N. J., assignor to Koppers Company, Inc. Ash remover for stokers. 2,601,332, June 24.

Shaffer, Chester E., Arlington, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coke stoker with oscillatable clinker breaker. 2,601,333, June 24.

Shaffer, Chester E., Arlington, N. J., and A. B. Fisher, Jr., Wilkinsburg, assignors to Koppers Company, Inc., Pittsburgh, Pa. Stoking apparatus fuel storage bin and conveyer. 2,590,133, Mar. 25.

Shaffer, David B. and I., Los Angeles, Calif. Hinge for steam table covers. 2,606,339, Aug. 12.

Shaffer, Donald U., assignor to Shaffer Tool Works, Brea, Calif. Joint leak tester. 2,597,193, May 20.

Shaffer, Irwin: *See*—
Shaffer, David B. and I.

Shaffer, Joseph C: *See*—
Bruner, George W., and Shaffer.

Shaffer, Larkin R., Garland, Utah. Hen's nest. 2,584,054, Jan. 29.

Shaffer Tool Works, assignee: *See*—
Shaffer, Donald U.

Shaffer, Walter A., assignee: *See*—
Shaffer, Benjamin H.

Shaffer, Walter D., Chicago, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work guiding means for shoe sewing machines. 2,613,624, Oct. 14.

Shaffer, Walter M., assignor to Towmotor Corporation, Cleveland, Ohio. Hose guide for lift trucks. 2,622,751, Dec. 23.

Shaft Machines Limited, assignee: *See*—
Cryderman, Warner L.

Shafter, Ruland R., Freeport, N. Y., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Gyratory crusher. 2,594,080, Apr. 22.

Shagaloff, Harry C., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,610,032, Sept. 9.

Shager, Julian U., Tacoma, Wash. Steady rest. 2,612,809, Oct. 7.

Shahan, Louie W., Talladega, Ala. Whistling artificial fish lure. 2,589,970, Mar. 18.

Shaheen, Frank H., assignee: *See*—
Poindexter, William W.

Shakespeare Company, assignee: *See*—
Shakespeare, William, Jr.

Shakespeare Products Company, assignee: *See*—
Weber, Herman.

Shakespeare, William, Jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,614,768, Oct. 21.

Shaker, John D., Oakland, Calif. Screw driver for operating on pole shoes. 2,610,659, Sept. 16.

Shakter, Louis, assignee: *See*—
Cohn, Solomon.

Shalit, Harold: *See*—
Deters, John F., Lien, and Shalit.

Shalit, Harold, East Chicago, Ind., assignor to Standard Oil Company, Chicago, Ill. Desulfurization of distillate fuels. 2,623,004, Dec. 23.

Shallcross, Wilmer M.: *See*—
Mekelburg, Earl F., and Shallcross.

Shallenberger, Garvin D., Missoula, Mont. Tape spool holder. 2,587,394, Feb. 26.

Shames, Albert A., Waban, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pneumatic application for gear pumps. 2,619,912, Dec. 2.

Shamos, Morris H.: *See*—
Bosch, Carl, and Shamos.

Shampaine, Hyman R., Clayton, Mo. Obstetrical and delivery operating table. 2,605,151, July 29.

Shampaine, Hyman R., Clayton, Mo. Portable chart rack. 2,605,161, July 29.

Shampaine, Hyman R., Clayton, Mo. Physician's examining table with paper roll mounting structure. 2,606,801, Aug. 12.

Shanahan, Ronald, assignee: *See*—
Belmonte, John.

Shanaman, Charles B., Clarksburg, W. Va. Radiator cleaning apparatus. 2,592,477, Apr. 8.

Shand, Edwin W.: *See*—
Teter, John W., and Shand.
Wayo, Stephen J., Teter, and Shand.

Shand, Edwin W., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for use in converting hydrocarbons. 2,608,475, Aug. 26.

Shand, Gadsden E., Jr., Columbia, S. C. Conveyer system for spoolers and the like. 2,614,682, Oct. 21.

Shands, William E., San Diego, Calif. Can piercing device. 2,614,319, Oct. 21.

Shane, Nathaniel C.: *See*—
Cook, Alton A., Shane, and Whitworth.

Shank, Clifford A.: *See*—
Brown, Norman M., Jr., and Shank.

Shankland, Rodney V., Chicago, Ill., S. E. Shields, Whiting, Ind., and E. W. Thiele, assignors to Standard Oil Company, Chicago, Ill. Refining of synthetic hydrocarbon mixtures. 2,581,560, Jan. 8.

Shankle, Derrill F., and J. E. Barkle, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric current generating means. 2,608,680, Aug. 26.

Shankle, Franklin E., assignee: *See*—
Jarbeau, Charles F.

Shanklin, Dunbar L., Winchester, and R. C. Adams, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Forming lined container closures. 2,610,131, Sept. 9.

Shanley, James J., Washington, D. C., assignor to National Steel Corporation. Apparatus for cutting samples. 2,621,740, Dec. 16.

Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key actuated double custody lock. 2,617,289, Nov. 11.

Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Building framework. 2,610,708, Sept. 16.

Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Structural frame foundation. 2,610,710, Sept. 16.

Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Building. 2,620,903, Dec. 9.

Shannon, Harold S., and T. B. Hurd, Detroit, Mich., assignors to National Steel Corporation. Building structure. 2,610,707, Sept. 16.

Shannon, Jack F.: *See*—
Bailey, Ervin G., Dickey, and Shannon.

Shannon, Jack F., Euclid, Ohio, assignor to Bailey Meter Company. Rebalancing indicating instrument. 2,593,351, Apr. 15.

Shannon, John K., Kenosha, Wis. Landing retarder for model planes. 2,583,125, Jan. 22.

Shannon, John K., and R. R. Schmit, Kenosha, Wis. Cover for batteries. 2,618,673, Nov. 18.

Shannon, Mary A., Lakewood, Ohio. Finger comb. 2,608,975, Sept. 2.

Shannon, Raymond E., Du Bois, Pa. Liquid level tank gauge. 2,593,062, Apr. 15.

Shannon, Warren F., Beaumont, Tex. Closure for collapsible tubes opened by bringing a toothbrush into receiving position. 2,589,152, Mar. 11.

Shannon, William W., Glen Cove, N. Y., assignor to Fairchild Camera and Instrument Corporation. Rebalancing servo system. 2,596,732, May 13.

Shannon, William W., Glen Cove, N. Y., assignor to Fairchild Camera and Instrument Corporation. Rebalancing electromagnetic servo system. 2,602,660, July 8.

Shaper, Harry B.: *See*—
Rutter, Donald E., Shaper, and Brown.

Shaper, Harry B., Astoria, N. Y. Electromagnetic earphone. 2,582,287, Jan. 15.

Shapiro, David C., West Springfield, Mass. Centric switch means. 2,604,559, July 22.

Shapiro, Eli, assignor to Dearborn Stove Company, Dallas, Tex. Hinged door and motor support for window coolers. 2,594,688, Apr. 29.

Shapiro, Eli, assignor to Dearborn Stove Company, Dallas, Tex. Supporting assembly for window coolers. 2,608,148, Aug. 26.

Shapiro, Eli, assignor to Dearborn Stove Company, Dallas, Tex. Pad retainer for evaporative coolers. 2,608,396, Aug. 26.

Shapiro, Gustave, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Measuring system. 2,591,731, Apr. 8.

Shapiro, Gustave, Washington, D. C., and R. O. Stone, Dickerson, Md. Permeability tuner. 2,586,870, Feb. 26.

Shapiro, Harry S.: *See*—
Bachli, Herman, and Shapiro.

Shapiro, Hyman, Brooklyn, N. Y. Safety adapter socket plug for electrical appliances. 2,597,600, May 20.

Shapiro, Hymin: *See*—
Calingaert, George, and Shapiro.
Krohn, Ivar T., and Shapiro.

Shapiro, Hymin, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Manufacture of tetraethyllead. 2,597,754, May 20.

Shapiro, Hymin, Detroit, and I. T. Krohn, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of alkyllead compounds with calcium-lead alloys. 2,594,225, Apr. 22.

Shapiro, Isadore, Albany, N. Y. Film packet for use with dental X-ray machines. 2,614,225, Oct. 14.

Shapiro, Isadore, assignor to The Athletic Shoe Company, Chicago, Ill. Running shoe. 2,608,007, Aug. 26.

Shapiro, Isadore, Danbury, Conn. Hinged-clamp for applying antiskid. 2,613,563, Oct. 14.

Shapiro, Jacob S.: *See*—
Pullin, Cyril G., and Shapiro.

Shapiro, Joseph, assignee: *See*—
Wixon, Paul E., and Chapman.

Shapiro, Leona E., New York, N. Y. Safety window guard fastener. 2,580,878, Mar. 18.

Shapiro, Mordecai, Merrick, N. Y. Machine drive. 2,600,929, June 17.

Shapiro, Samuel A., Bronx, N. Y. Freon 12 dehydrator and manifold. 2,600,435, June 17.

Shappee, Jonathan, assignor to Armour and Company, Chicago, Ill. Calf feeding device. 2,607,319, Aug. 19.

Shappirio, Sol, Washington, D. C. Azide modified fuels and lubricants. 2,587,581, Mar. 4.

Shara, Andrew: *See*—
Care, Samuel J., and Shara.

Sharenow, Alexander, East Rockaway, and D. M. Stadd, New York, N. Y.; said Stadd assignor to said Sharenow. Buttonhole attachment. 2,619,925, Dec. 2.

Sharenow, Alexander, East Rockaway, and D. M. Stadd, New York, N. Y.; said Stadd assignor to said Sharenow. Rheostat. 2,620,419, Dec. 2.

Sharf, John M.: *See*—
Benner, Joseph A., and Sharf.

Sharkey, Jean L., Los Angeles, Calif. Necktie. 2,616,088, Nov. 4.

Sharlitt, Herbert V.: *See*—
Kneifel, Laurence S., and Sharlitt.

Sharman, Eric P., and D. L. Wilson, Coventry, assignors to Courtaulds Limited, London, England. Production of cellulose esters. 2,588,051, Mar. 4.

Sharman, Herbert E.: *See*—
Jennings, Albion H., and Sharman.

Sharon Steel Corporation, assignee: *See*—
Stewart, Glenn F., Houck, and Boyer.

Sharp, Albert, and G. Sharp, Bayonne, N. J. Cutting mechanism and extrusion nozzle for continuously moving plastic bars. 2,613,618, Oct. 14.

Sharp, Allen, assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Apparatus for picking fowl. 2,603,831, July 22.

Sharp, Allen W., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Picking fowl. 2,596,443, May 13.

Sharp, Charles L.: *See*—
Pine, Cecil C., and Sharp.

Sharp & Dohme, Incorporated, assignee: *See*—
Augenblick, Albert.
Charney, Jesse.
Cragoe, Edward J., Jr.
Crossley, Frank S.
Engelhardt, Edward L.
Land, Anthony H.
Miller, Charles S.
Novello, Frederick C.
Pennell, Robert B., and Masucci.
Schultz, Everett M.
Skeggs, Helen R.
Sprague, James M.
Sprague, James M., and Beyer.
Sprague, James M., and Miller.
Vollmer, Hermann.
Ziegler, Carl.

Sharp, Donald E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 2,608,798, Sept. 2.

Sharp, George: *See*—
Sharp, Albert, and G.

Sharp, Harold H., La Porte, Tex. Retractable landing gear for toy airplanes. 2,603,033, July 15.

Sharp, John H., Chicago, Ill. Phonograph change-speed mechanism. 2,598,138, May 27.

Sharp, John L.: *See*—
Cunliffe, Percy W., Sharp, and Ashworth.

Sharp, John P.: *See*—
Caldwell, Ford W., and Sharp.

Sharp, John R., assignee: *See*—
Arnot, Alfred E. R.

Sharp, Joseph G., Chilwell, near Beeston, and R. E. Ingham, Brandsby, assignors to Power Jets (Research and Development) Limited, London, England. Fluid operated speed governor. 2,594,689, Apr. 29.

Sharp, Paul F., Oakland, Calif., and A. J. Wasson, Omaha, Nebr., assignors to Golden State Company, Ltd., San Francisco, Calif. Preserving spray dried food products. Re. 23,548, Sept. 9.

Sharp, William W., Jr., High Point, N. C. Hosiery package. 2,622,730, Dec. 23.

Sharpe, Arthur H., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Form feeding mechanism for typewriters. 2,615,550, Oct. 28.

Sharpe, Arthur H., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Selective word printing device. 2,620,915, Dec. 9.

Sharpe, Everett E.: *See*—
Krueger, Theodore H., and Sharpe.

Sharpe, Everett E., Shelton, Conn., assignor to Better Packages Incorporated. Pull-out measuring tape dispenser. 2,617,198, Nov. 11.

Sharpe, Frederick P., Dearborn, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel assembling machine. 2,594,506, Apr. 29.

Sharpe, Robert H., Stockton, Calif. Thresher with suction and blast fans mounted in housing. 2,589,440, Mar. 18.

Sharples Chemicals Inc., assignee: *See*—
Newcomer, Jack S.
Tischler, Nathaniel.

Sharples Corporation, The, assignee: *See*—
Davis, Walter C.
Hebb, Malcolm H.
Ingalls, Arthur H.
Jones, Leo D.
Keith, Frederick W., Jr.
Payne, Robert E.
Smith, Frederick H.

Sharpless, Thomas K., Haverford, and E. S. Eichert, Jr., Springfield, assignors to Technitrol Engineering Company, Inc., Philadelphia, Pa. Magnetic data storage system. 2,611,813, Sept. 23.

Sharrer, Frank A., Bakerstown, Pa. Roll toilet paper holder. 2,619,297, Nov. 25.

Sharron, Samuel P., Brooklyn, N. Y. Pipe bit. 2,587,069, Feb. 26.

Sharrow, Percy A., Detroit, Mich. Screw feed type pencil with cushioned lead holding means. 2,604,070, July 22.

Sharry, Daniel A., Detroit, Mich. Saw attachment for motor vehicles. 2,608,221, Aug. 26.

Shatkin, Rubin, Brooklyn, N. Y., assignor to Crest Silver Mfg. Co., Inc., Matawan, N. J. Atomizer. 2,605,139, July 29.

Shatkin, Sidney, Long Branch, assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J. Lipstick case. 2,604,985, July 29.

Shatto, David L.: *See*—
Lindstaedt, Frank F., and Shatto.

Shattuck, De Witt C., Velva, N. Dak. Hydraulic hayfork and boom. 2,605,919, Aug. 5.

Shaul, Roger T., Columbus, Ohio. Auxiliary fuse-containing, multiple outlet electrical connector. 2,599,023, June 3.

Shaver, Forrest W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of alpha-beta unsaturated ketones and aralkyl carboxylic acids. 2,587,540, Feb. 26.

Shaver, George W., Los Angeles, Calif. Cutting element for slicing machines. 2,581,501, Jan. 8.

Shaver, Glenn F., Graettinger, Iowa. Heater. 2,615,444, Oct. 28.

Shaver, Raymond M., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Pipe support. 2,601,964, July 1.

Shaw, Albert E., and W. Rall, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrograph. 2,622,204, Dec. 16.

Shaw, Albert L., Corinne, Utah. Glass cutting gauge. 2,603,873, July 22.

Shaw, Albert M., Nutley, assignor to Worthington Corporation, Harrison, N. J. Variable capacity rotary pump. 2,606,503, Aug. 12.

Shaw, Benedict, Bronx, N. Y. Combined fishing hook and grip. 2,620,590, Dec. 9.

Shaw, Benjamin C., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Textile drafting mechanism. 2,588,420, Mar. 11.

Shaw, Bernard: *See*—
Dreyfus, Henry, Rooney, and Shaw.

Shaw, Burton E.: *See*—
Cade, Phillip J., and Shaw.

Shaw, Charles H., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Fire control. 2,581,149, Jan. 1.

Shaw, Clifford, W. E. Smith, and H. G. Emblem, London, England; said Emblem assignor to C. Shaw and W. E. Langrish-Smith. Preparation of siloxanes by reacting dialkyldichlorosilanes with cupric oxide. 2,580,832, Jan. 1.

Shaw, Clifford, W. E. Smith, and D. E. B. Greensmith, London, England; said Greensmith assignor to said Shaw and said Smith. Production of zirconium silicate refractory. 2,593,352, Apr. 15.

Shaw, Dan: *See*—
Turner, William, and Shaw.

Shaw, Dan, and W. Turner, New York, N. Y. Extensible arm windshield wiper. 2,615,190, Oct. 28.

Shaw, David I., Boston, Mass. Protective head covering with vision portions. 2,601,680, July 1.

Shaw, David W., Parma, Mo. Emergency braking system. 2,619,203, Nov. 25.

Shaw, Edwin N.: *See*—
Fearnside, Kenneth, and Shaw.

Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Oscillatable bark-removing jet having variable amplitude of oscillation. 2,586,727, Feb. 19.

Shaw, George B.: *See*—
Short, Brooks H., Wilkins, Shaw, and Dyer.

Shaw, Gilbert, Middlebury, Vt. Filament package and producing same. 2,581,561, Jan. 8.

Shaw, Harold G., J. F. Leahy, and J. W. Ashley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe and its manufacture. 2,622,347, Dec. 23.

Shaw, Harold N., Erie, Pa. Electrical heating element. 2,602,130, July 1.

Shaw Insulator Company, assignee: *See*—
Du Bois, John H.

Shaw, James W.: *See*—
Johnson, Ralph M. W., and Shaw.

Shaw, John: *See*—
Bickell, Stanley F., Shaw, Riddle, and Garrard.

Shaw, John E. B., Chicago, Ill. Blood transfusion filter unit. 2,614,562, Oct. 21.

Shaw, John M., and T. R. Bartley, Denver, Colo., and R. S. Rosenfels, Richland, Wash., assignors to the United States of America as represented by the Secretary of the Interior. Killing submerged water weeds. 2,600,436, June 17.

Shaw, Louis E., East Orange, N. J. Apparatus for feeding coal. 2,604,217, July 22.

Shaw, Louis E., East Orange, N. J. Variable-speed transmission. 2,622,446, Dec. 23.

Shaw, Morris R., Houston, Tex. Removing carbonaceous deposits from still tubes. 2,620,286, Dec. 2.

Shaw, Paul A., Wilmington, assignor to Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Drying. 2,607,537, Aug. 19.

Shaw, Percy, Boothtown, Halifax, England. Roller stripping apparatus. 2,582,359, Jan. 15.

Shaw, Percy, Boothtown, Halifax, England. Manufacture of pile fabrics. 2,592,201, Apr. 8.

Shaw, Ralph E., Portland, Oreg. Aluminum louver sunshade. 2,602,971, July 15.

Shaw, Ralph R., Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. System and apparatus for selective photographing. 2,594,358, Apr. 29.

Shaw, Robert D., Bloomfield, Conn. Ring placing means. 2,604,245, July 22.

Shaw, Rose, assignee: *See*—
Shaw, Wallace M.

Shaw, Thomas, Cranston, R. I., assignor to Stackhim Corporation. Open-topped receptacle and a hopper extending upwardly therefrom, both forming a stackable unit. 2,582,207, Jan. 8.

Shaw, Thomas M., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Method and apparatus for heating fluids. 2,585,970, Feb. 19.

Shaw-Walker Company, The, assignee: *See*—
Burdick, John S.

Shaw, Wallace M., Flushing, assignor to R. Shaw, Woodside, N. Y. Indicating stylet needle. 2,623,521, Dec. 30.

Shaw, Willard C.: *See*—
Foust, Floyd J., Shaw, McKee, Rider, and Burge.

Shawbrook, Henry, and E. F. Hillier, assignors to Dowty Equipment Limited, Cheltenham, England. Self-centering means for aircraft casterable landing wheel mountings. 2,614,777, Oct. 21.

Shawhan, Sam F., assignor to Carrier Corporation, Syracuse, N. Y. Reducing noises in refrigeration systems. 2,590,731, Mar. 25.

Shawinigan Chemicals Limited, assignee: *See*—
Cave, William T., Alexander, and McCoubrey.
Germain, Leo M.

Shawinigan Products Corporation, assignee: *See*—
Metz, George F.
Morrison, George O., and Schoenholz.

Shawinigan Resins Corporation, assignee: *See*—
Bromley, William H., Jr.
Rudoff, Hyman.
Wilson, Wilfred K.

Shawinigan Water and Power Company, The, assignee: *See*—
Eaton, Milton.

Shawmut Engineering Company, assignee: *See*—
Hathaway, Edgar F., and Bixby.

Shay, Albert R., Mantua, Ohio. Remote control electric arc welder. 2,618,775, Nov. 18.

Shay, Charles W.: *See*—
Horning, Samuel C., and Shay.

Shea, Dennis E., Newtonville, assignor to The Vanta Company, Inc., Waltham, Mass. Child's garment with attached diaper tab. 2,620,480, Dec. 9.

Shea, Frederick L., Jr., Chicago, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Carbon electrodes from bituminous coal. 2,594,226, Apr. 22.

Shea, John A., Jersey City, N. J. Fountain pen. 2,602,422, July 8.

Shea, Verner L., San Francisco, Calif. Metallic door frame securing clip. 2,598,139, May 27.

Shea, William T., Buffalo, N. Y. Dental impression device. 2,588,169, Mar. 4.

Sheaffer, Charles, Long Branch, N. J. Radio apparatus. 2,591,732, Apr. 8.

Sheaffer, W. A., Pen Co., assignee: *See*—
Knobel, Max.
Martin, Lynn P.

Sheahan, Robert E., South Euclid, Ohio, assignor to General Electric Company. Hydraulic power system for synchronous operation of press elements. 2,602,246, July 8.

Shearer, Arthur H., Duluth, assignor of one-third to J. S. Vertelney, and one-third to L. Liberty, St. Louis County, Minn. Theftproof display stand. 2,604,868, July 29.

Shearer, Howard E., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Bust receiving and supporting member. 2,609,539, Sept. 9.

Shearer, Howard E., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Seamless bust supporter. 2,616,084, Nov. 4.

Shearer, Newton H.: *See*—
Coover, Harry W., Jr., Shearer, and Dickey.

Shearer, Rose M., Crystal City, and P. R. Adams, Fort Worth, Tex. Fire tool. 2,595,712, May 6.

Shears, Donald E., Novato, Calif. Golf club holder. 2,595,987, May 6.

Shebel, Alfred: *See*—
Levinson, Louis J., and Shebel.

Shebel, Anthony P., Milwaukee, Wis. Saw filer. 2,601,227, June 24.

Shechter, Leon: *See*—
Turkington, Victor H., and Shechter.

Sheehan, Elmer L., Chicago, Ill. Pie-making machine. 2,602,556, July 8.

Sheehan, James W., Venice, Calif. Conveyer chain. 2,600,174, June 10.

Sheen, Emma E., executrix: *See*—
Sheen, Milton R.
Sheen, Milton R. and R. T., and Saalfrank.

Sheen, Milton R., deceased, Glenside, Pa., by E. E. Sheen, executrix, and I. A. Pennypacker, executor. Stroke control mechanism. 2,587,395, Feb. 26.

Sheen, Milton R., deceased, Glenside, Pa., by E. E. Sheen, coexecutor, Glenside, and R. T. Sheen, Wyndmoor, Pa., and R. B. Saalfrank, Gulfport, Fla.; said R. T. Sheen and said Saalfrank assignors to Milton Roy Company, Chestnut Hill, Pa. Constant delivery pump. 2,613,606, Oct. 14.

Sheen, Robert T.: *See*—
Sheen, Milton R. and R. T., and Saalfrank.

Sheen, Robert T., Wyndmoor, Philadelphia, assignor to Milton Roy Company, Springfield, Pa. Proportional feed system. 2,596,943, May 13.

Sheen, Robert T., Wyndmoor, Pa., and R. B. Saalfrank, Gulfport, Fla., assignors to Milton Roy Company, Springfield Township, Montgomery County, Pa. Bellows pump. 2,613,607, Oct. 14.

Sheer, Charles, New York, and S. Korman, Brooklyn, N. Y. Arc process for the production of fume. 2,616,842, Nov. 4.

Sheer, Charles, Washington Heights, and S. Korman, Brooklyn, N. Y. Arc process for the reduction of metals. 2,616,843, Nov. 4.

Sheer, Charles, Washington Heights, and S. Korman, Brooklyn, N. Y. Arc process for the selective recovery of metals. 2,617,761, Nov. 11.

Sheets, Ray H.: *See*—
Jackes, Stanley F., and Sheets.

Sheetz, Martin L.: *See*—
Zellman, Roy H., and Sheetz.

Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Byrkett, Elwood L.
Haines, Malcolm P.
Laemmel, Charles H.
Linxweiler, Carl J., Moss, and Welch.
Mahlmeister, Louis J.
Polk, Louis F., and Aller.
Schulze, Louis J.

Sheffield, Eugene S., Jr., and M. Bainbridge, Kahului, assignors to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii. Apparatus for processing crushed pineapple. 2,622,734, Dec. 23.

Sheft, Irving, Park Forest, and S. M. Fried, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Oxidation inhibitors of U_3O_8. 2,599,946, June 10.

Shegda, Michael, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Tenter drier. 2,591,621, Apr. 1.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicating and control mechanism for electric heating units. 2,607,870, Aug. 19.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for electric cooking ranges. 2,607,873, Aug. 19.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for electric ranges. 2,607,874, Aug. 19.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for electric ranges. 2,607,875, Aug. 19.

Sheidler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Electrical heating element for cooking range ovens. 2,622,181, Dec. 16.

Sheidley, Hubert O., Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company. Method and apparatus for manufacturing fibrous mats. 2,619,151, Nov. 25.

Sheianski, Herman A., Philadelphia, Pa., assignor to Onyx Oil & Chemical Company, Jersey City, N. J. Carboxylated methyl cellulose with quaternary ammonium compound as topical remedy. 2,585,048, Feb. 12.

Shelby, Anthony O., Houston, Tex., assignor to Phillips Petroleum Company. Crystallization apparatus. 2,615,794, Oct. 28.

Shelby Cycle Company, The, assignee: *See*—
Smith, Leon A.

Shelby, John A., Indianapolis, Ind. Monorail carrier switch safety mechanism. 2,590,070, Mar. 18.

Shelby Metal Products Company, The, assignee: *See*—
Seyforth, Rome C.

Sheldahl, David B., Griffith, Ind., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Prevention of corrosion. 2,598,725, June 3.

Shelden, Virgil M., Newburg, and D. E. Wells, Hooker, Mo. Lubricating means for bearing assemblies. 2,610,097, Sept. 9.

Sheldon, Donald F., and G. F. Jenkins, Minneapolis, Minn. Apparatus for determining the speed of objects. 2,587,775, Mar. 4.

Sheldon, Edward E., New York, N. Y. Device for projection of microwave images. 2,586,391, Feb. 19.

Sheldon, Edward E., New York, N. Y. Motion-picture camera for X-ray images. 2,586,392, Feb. 19.

Sheldon, Edward E., New York, N. Y. Device for color projection of invisible rays. 2,593,925, Apr. 22.

Sheldon, Edward E., New York, N. Y. Photocathode. 2,603,757, July 15.

Sheldon, Florence B., Los Angeles, Calif. Adjustable fastening means for nether garments. 2,621,335, Dec. 16.

Sheldon, Fred R.: *See*—
McEwen, Robert L., and Sheldon.

Sheldon, Howard W.: *See*—
Hartough, Howard D., and Sheldon.

Sheldon, William M., Elizabeth, assignor to Pulverizing Machinery Company, Summit, N. J. Reversing drive mechanism for cleaning-air tubes in self-cleaning filters. 2,584,746, Feb. 5.

Shell Development Company, assignee: *See*—
Abrams, Stanley T., and Stross.
Adelson, David E.
Adelson, David E., and Dannenberg.
Adelson, David E., and Evans.
Adelson, David E., and Larsen.
Anderson, John, Mecorney, and Ham.
Ballard, Seaver A., Morris, and Van Winkle.
Bannerot, Richard A.
Barnum, Emmett R.
Bates, William F., Gregory, and Curry.
Bates, William F., Gregory, and Penfield.
Berriman, John A., and Selbie.
Blondeau, René, Van Overbeek, and Whetstone.
Blott, John F. T., and Alexander.
Bollo, Francis G.
Border, Lawson E., and Trainer.
Bradley, Theodore F., and Winkler.
Calmels, Louis.
Cattaneo, Alfred G.
Cheney, Harry A., and Raley.
Chernlavsky, Alexander J., and Brown.
Cole, Robert M., Dunn, and Pierotti.
Cook, David L.
Cox, Robert, and Sipkes.
Crake, Wilfred S. E.
Dahmen, Edouard A. M. F.
Daily, Bernard.
Dammers, Hendrik F.
Dawson, Reginald D.
De Jong, Petrus W. M. M., Van Huis, and Ridderikhoff.
Deming, Philip H.
De Nie, Willem L. J., and Mettivier.
De Nie, Willem L. J., and Rumscheidt.

Shell Development Company, assignee: *See*—Continued.
Detling, Kenneth D., and Guinn.
Detling, Kenneth D., and Skei.
Engel, Willem F.
Engel, Willem F., and van 't Spijker.
Evans, Theodore W., Adelson, and Whitehill.
Evans, Theodore W., and Shokal.
Fay, Charles H., and Goodell.
Fay, Charles H., and Stephenson.
Fay, Charles H., and Tvedt.
Fetterly, Lloyd C.
Fowkes, Frederick M.
Galvin, Gerald D., and McAulay.
Garner, Philip J.
Garner, Philip J., and Donovan.
Garner, Philip J., and Firth.
Garner, Philip J., and Short.
Garner, Philip J., and Winsor.
Gasser, Walter, and Van Ess.
Gilliam, Alpha S.
Goebel, Johannes, Bakker, and Hoogland.
Good, George M., and Greensfelder.
Goppel, Johan M., and Rumscheidt.
Gregory, James N.
Guarin, Paul L.
Hackmann, Johannes T.
Harman, Denham.
Hannibal, Lester S.
Hansberry, Theodore R.
Harman, Denham, and Thorpe.
Hearne, George W., and Schwarzer.
Hoog, Han.
Hoog, Han, and Engel.
Hopper, Francis C., and Wiles.
Jahn, Edward J.
Jones, Gordon K.
Jonker, Frits.
Jordan, John T.
Keulemans, Aloysius I. M.
Kuipers, Gerard.
Lacomblé, Antoine E.
Lamb, John.
Langedijk, Siegfried L., and Degens.
Luten, Daniel B., Jr.
Luten, Daniel B., Jr., Ballard, and Schwarzer.
Luten, Daniel B., Jr., and De Benedictis.
Maycock, Russel L., and Dunn.
McAllister, Sumner H.
McMillan, Frank M., and Bishop.
McMillan, Frank M., and Winkler.
Meerbott, William K.
Melstrom, Donald S., and Ballard.
Merten, Eugen, and Robinson.
Meyer, Rudolf M., and van der Plas.
Mitchell, Reginald G., Tait, Webber, Aickin, Winsor, and Billinghame.
Morris, Rupert C., and Van Winkle.
Moore, Robert J.
Moore, Robert J., and Saarni.
Moore, Robert J., and Wachter.
Nance, William T.
Newey, Herbert A., Shokal, and Bradley.
Nixon, Alan C.
Overhoff, Johan, and Hackmann.
Parry, Harvey L., and Waldman.
Peery, Norman E.
Penther, Carl J., and Milligan.
Permann, Karl.
Perry, George L.
Perry, George L., and Talley.
Peterson, Walter H.
Plank, Norris.
Pohl, Wilfred.
Purcell, William R.
Raley, John H.
Randlett, Herbert E.
Redlich, Otto.
Rehbein, Charles A.
Reitsma, Hendrik.
Reman, Gerrit H.
Rolfson, Francis B.
Rumscheidt, Gottfried E., and Goppel.
Rust, Frederick F., Stiles, and Vaughan.
Saal, Reyerus N. J.
Schaerer, August A.
Schlamann, Johannes T. M.
Schoenmakers, Pieter J., and van de Putte.
Schwarzer, Carl G., Ballard, and Luten.
Shinouda, Henry.
Shokal, Edward C., and Devlin.
Shokal, Edward C., and Schroeder.
Shokal, Edward C., Winkler, and Devlin.
Smith, Curtis W.
Speckmann, Robert E.
Stiles, Alan R.
Stokesbary, Walter A.
Stross, Fred H.
Stross, Fred H., Abrams, and Moore.
Tadema, Harco J.
Tess, Roy W. H., Jakob, and Bradley.
Tess, Roy W. H., and Mika.
Thrower, Harold P.
Tipler, William.
Trainer, Richard P., and Border.

Shell Development Company, assignee: *See*—Continued.
Tymstra, Francis T.
Van Batlum, Carel M.
Van Bavel, Thomas H., Hoog, and Wijga.
Van Brunt, Willard K., and Hollis.
Van Dijk, Christiaan P., and van der Plas.
Van Ess, Paul R., and Sipple.
Van Meisen, Johannes A.
Van 't Spijker, Peter, and 't Hart.
Voorthuis, Heino T.
Voorthuis, Heino T., and van Dijk.
Wachter, Aaron, and Newschwander.
Wachter, Aaron, and Stillman.
Webber, William C.
Whetstone, Richard R.
Whetstone, Richard R., and Evans.
Whetstone, Richard R., and Winkler.
White, Robert W.
Whitehill, Lynwood N., and McLamore.
Wiebe, Leonard P.
Wiles, Quentin T., and Elam.
Wilson, Joseph G.
Winkler, De Loss E.
Wolff, Harold I.

Shellenberger, Roife, Belvidere, and A. J. Poole, Belleville, N. J., assignors to The Babcock & Wilcox Company, New York, N. Y. Furnace lighter with mechanically interlocked controls. 2,596,944, May 13.

Shelley, Edwin F., New York, N. Y., assignor to Curtiss-Wright Corporation. Stress measurement technique. 2,612,039, Sept. 30.

Shelley, Thomas, Breaston, Derby, and N. H. Kent, Allestree, Derby, assignors to Rolls-Royce Limited, Derby, England. Internal-combustion engine with supercharger driven by an exhaust turbine. 2,608,818, Sept. 2.

Shelley, Thomas H., Jr., Spottswood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Heat stabilization of a chlorine containing polymer with a mercapto acid amide. 2,614,095, Oct. 14.

Shellhouse, Michael, Gary, Ind. Hysterectomy forceps. 2,583,892, Jan. 29.

Shellmar Products Corporation, assignee: *See*—
Baxter, Thomas R.
Burger, Martin.
Fahey, Edward W.
Fahey, Richard J., and Burger.
Lennon, James W.
Pardee, Edward A.
Piazze, Thomas E.
Schilling, Ruth M.
Sherman, Francis H.
Southwick, Charles A., Jr.
Teague, Walter D., Peltz, and Immermann.
Wetzler, Justin J.

Shelor, Olie W., Salem, Va., assignor of forty-nine per cent to F. Whitescarver. Garden tractor. 2,607,277, Aug. 19.

Sheltmire, William H.: *See*—
Soule, Edward C., and Sheltmire.

Shelton, Aubrey: *See*—
Brigham, Roger L., and Shelton.

Shelton, Calvin W., Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Polish rod hanger. 2,599,869, June 10.

Shelton, Harry J., Jr., Ladue, assignor to Gruendler Crusher and Pulverizer Co., St. Louis, Mo. Portable plural-stage crushing, screening, and washing plants. 2,593,353, Apr. 15.

Shelton, Robert S.: *See*—
Tilford, Charles H., and Shelton.

Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. N-methyl-N-cinnamyl-2-phenylpropylamine. 2,595,372, May 6.

Shelton, Robert S., Mariemont, J. L. Farmer, Cincinnati, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. N-[2-methoxy-3-(α,β-dicarboxyethylmercaptomercuri) - propyl] - O - carboxymethylsalicylamide. 2,601,461, June 24.

Shelton, Robert S., Mariemont, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Amino ethyl ethers of pyridyl carbinols. 2,606,190, Aug. 5.

Shelton, Robert S., Mariemont, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Amino ethyl ethers of picolinyl carbinols. 2,606,191, Aug. 5.

Shelton, Robert S., Mariemont, and C. H. Tilford, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Basically substituted ethers of pyridyl carbinols. 2,606,192, Aug. 5.

Shelton, Robert S., Mariemont, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Phenyl pyridyl carbinol ethers. 2,606,194, Aug. 5.

Shelton, Robert S., Mariemont, and E. R. Andrews, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Dihalogen benzoic acid esters of amino alcohols. 2,606,205, Aug. 5.

Shelton, Roy, and J. S. Rowden, assignors to Samuel Stamping & Enameling Company, Chattanooga, Tenn. Combined drip pan and gas burner structure. 2,595,005, Apr. 29.

Shelton, Thomas M., Glendale, Calif. Toy gun. 2,614,551, Oct. 21.

Shelvoke and Drewry Limited, assignee: *See*—
Edwards, Charles K.

Shenandoah Equipment Company, assignee: *See*—
Martin, Perry S.

Shenandoah Equipment Company, The, assignee: *See*—
Myers, Davis Russell.

Shenango-Penn Mold Company, assignee: *See*—
Bradley, Harry S.

Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Pulse type modulator for facsimile signals. 2,587,541, Feb. 26.

Shenk, Wilbur J.: *See*—
Drake, Nathan L., Eaker, and Shenk.

Shenk, William E., Hubbard, assignor to The McKay Machine Company, Youngstown, Ohio. Rotary electric resistance welder. 2,616,016, Oct. 28.

Shennan, Alexander G., Oak Park, assignor to International Tag & Salesbook Company, Chicago, Ill. Manifold set. 2,614,865, Oct. 21.

Shenstone, Osborne H., Muskegon, Mich. Seal for axial air gap induction motors. 2,592,752, Apr. 15.

Shepard, Arthur P., Flushing, assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y. Application of sprayed metal coatings to solid objects. 2,588,421, Mar. 11.

Shepard, Arthur P., Flushing, assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y. Application of spray metal linings for aluminum engine cylinders of or for reciprocating engines. 2,588,422, Mar. 11.

Shepard, Arthur P., Flushing, assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y. Wire feed gear train lubrication. 2,592,607, Apr. 15.

Shepard, Billy R., and T. T. Short, Schenectady, N. Y., assignors to General Electric Company. Magnetic wire footage meter. 2,581,209, Jan. 1.

Shepard, Carl F., Chicago, Ill. Bedside reading device. 2,590,657, Mar. 25.

Shepard, Carl F., Chicago, Ill. Optometric measuring device. 2,619,872, Dec. 2.

Shepard, Elizabeth, assignee: *See*—
Wells, Chandler.

Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pulp molding die. 2,585,049, Feb. 12.

Shepard, Frank B., Texon, Tex. Wall outlet box mounting. 2,586,728, Feb. 19.

Shepardson, Anthony H., Minneapolis, assignor to Hanky Manufacturing Company, St. Paul, Minn. Multiple grain scalper. 2,597,390, May 20.

Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling hot metal rods. 2,595,006, Apr. 29.

Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Continuous rolling mill. 2,603,989, July 22.

Sheperdson, John W., and J. M. O'Malley, assignors to Morgan Construction Company, Worcester, Mass. Vertical rolling mills. 2,603,990, July 22.

Shephard, George H., assignee: *See*—
Girardin, Howard N.

Shephard, Percy: *See*—
Guest, Lawrence V., and Shephard.

Shepheard, Marie T., assignee: *See*—
Shepheard, William L.

Shepheard, William L., Norfolk, Va. Panel construction. 2,589,633, Mar. 18.

Shepheard, William L., assignor to M. T. Shepheard, Norfolk, Va. Combined electric hot water heater, flue, and chimney unit. 2,620,431, Dec. 2.

Shepherd, Allan D.: *See*—
Graham, Robert P., Thompson, and Shepherd.

Shepherd, Benjamin F., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drilling tool. 2,614,812, Oct. 21.

Shepherd, Benjamin F., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drilling tool. 2,614,813, Oct. 21.

Shepherd, Benjamin F., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drilling tool. 2,617,631, Nov. 11.

Shepherd, Donald J.: *See*—
Burkard, Victor, and Shepherd.

Shepherd, James E.: *See*—
Holschuh, Carl G., White, Mieher, and Shepherd.

Shepherd, James E., Hempstead, and C. H. Guiles, East Hempstead, N. Y., assignors to The Sperry Corporation. Control circuits for cathode-ray tubes. 2,612,621, Sept. 30.

Shepherd, Judson O'D., Atlanta, Ga., assignor to American Telephone and Telegraph Company. Control circuit for telephone systems. 2,588,052, Mar. 4.

Shepherd, Judson O'D., Atlanta, Ga. Data translator employing displaceable data cards. 2,605,965, Aug. 5.

Shepherd, Judson O'D., Atlanta, Ga. Traffic signal and street light control system. 2,610,239, Sept. 9.

Shepherd, Judson O'D., Atlanta, Ga., assignor to American Telephone and Telegraph Company. Line lockout arrangement. 2,617,888, Nov. 11.

Shepherd Machine & Tool Co., Inc., assignee: *See*—
Sanford, Paul W.

Shepherd, N. T., Chair Company, assignee: *See*—
Sperring, Robert H.

Shepherd, Robert G.: *See*—
Stansly, Philip G., Shepherd, and Winterbottom.

Shepherd, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical oscillator having open-ended coaxial resonator. 2,589,739, Mar. 18.

Shepler, Ross, Hershey, Pa. Depositor. 2,606,509, Aug. 12.

Sheppard, C. E., Company, The, assignee: *See*—
Gleaves, Lawrence S.

Sheppard, Earle L., Toronto, Ontario, Canada. Building construction. 2,589,879, Mar. 18.

Sheppard, Edward A.: *See*—
Peter, Leslie H., and Sheppard.
Peter, Leslie H., Sheppard, and Stevens.

Sheppard, Raymond, Schenectady, N. Y., assignor to General Electric Company. Turbine governing system. 2,595,007, Apr. 29.

Sheppard, Richard H., Hanover, Pa. Intermittently used power take-off. 2,589,880, Mar. 18.

Sheppard, Richard H., Hanover, Pa. Pilot ignition. 2,612,146, Sept. 30.

Sheppard, William F., Chicago, Ill. Sectional buffing wheel. 2,582,076, Jan. 8.

Sher, Alfred, and D. Vet, assignors, by mesne assignments, to Machinefabriek Kickens, N. V., Amsterdam, Netherlands. Surface-atomiser. 2,613,999, Oct. 14.

Sher & Sons, Incorporated, assignee: *See*—
Sher, William.

Sher, William, assignor to Sher & Sons, Incorporated, Chicago, Ill. Lamp shade and supporting member therefor. 2,622,190, Dec. 16.

Sheraski, Edward E., Manitowoc, Wis. Fishing signal. 2,618,091, Nov. 18.

Sherbondy, William A., Shaker Heights, Ohio. Carpet sweeper having an automatically driven dust remover. 2,598,611, May 27.

Sherbondy, William A., Shaker Heights, Ohio. Dispensing device for cartridges of calking material and the like. 2,602,570, July 8.

Sherbondy, William A., Shaker Heights, Ohio. Dispensing device for calking material and the like. 2,602,571, July 8.

Sherbrook, Victor A., Upton, assignor to Milford Shoe Co., Milford, Mass. Insole having separate attached sewing ribs. 2,595,894, May 6.

Sherbrook, Victor A., Upton, Mass. Making insoles having attached tape ribs. 2,595,895, May 6.

Sherburne, Claude L., Topeka, assignor of one-half to J. A. Scott, Leavenworth, Kans. Horizontally swinging dump body truck. 2,621,072, Dec. 9.

Sherer-Gillett Company, assignee: *See*—
Merkle, Arthur G.
Merkle, Arthur G., and Eldridge.

Sheridan, Claude M., New Kensington, and T. A. Pruger, Creighton, assignors to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Oxidation-carburization resistant alloy. 2,602,736, July 8.

Sheridan Flouring Mills, Inc., assignee: *See*—
Jurkow, Julius.

Sheridan Iron Works, The, assignee: *See*—
Hawkes, Thomas B.
Kleineberg, Paul E., and Lariviere.

Sheridan, Roland D., Washington, D. C. Measuring finger for ultrasensitive comparators. 2,607,123, Aug. 19.

Sheridan, T. W. & C. B., Company, assignee: *See*—
Hawkes, Thomas B.

Sheridan, Virginia R., Chicago, Ill. Container having slidable closure. 2,582,360, Jan. 15.

Sherin, Gilliard J., Seattle, Wash. Shoe stand with polishing cloth guides. 2,582,567, Jan. 15.

Sherk, Daniel L.: *See*—
Martin, Mervin E., and Sherk.

Sherlaw, William: *See*—
Fletcher, Arthur H., Stark, Corbitt, and Sherlaw.

Sherman, Alvin G., Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind. Gas control for cooking ranges. 2,597,266, May 20.

Sherman, Arthur G., A. G., Jr., and G. H., Detroit, Mich. Tent attachment for motor vehicles. 2,604,671, July 29.

Sherman, Arthur G., Jr.: *See*—
Sherman, Arthur G., A. G., Jr., and G. H.

Sherman, David, Prairie du Chien, Wis. Fertilizer agitator and aerator. 2,580,854, Jan. 1.

Sherman, Delmer F., New Plymouth, Idaho. Combined propelling and steering mechanism for boats. 2,589,300, Mar. 18.

Sherman, Delmer F., New Plymouth, Idaho. Adjustable wheel and axle assembly. 2,599,136, June 3.

Sherman, Earl L., assignor of forty-nine per cent to H. W. Bacon, Eugene, Oreg. Fisherman's hatband. 2,597,601, May 20.

Sherman, Elizabeth M., executrix: *See*—
Sherman, Francis H.

Sherman, Francis H., deceased; by E. M. Sherman, executrix, Palmer, Mass., assignor to Shellmar Products Corporation, Chicago, Ill. Molded pulp egg carton. 2,587,909, Mar. 4.

Sherman, George H.: *See*—
Sherman, Arthur G., A. G., Jr., and G. H.

Sherman, Harry, Laurelton, N. Y. Hook for curtains. 2,592,478, Apr. 8.

Sherman, Harry, Laurelton, N. Y. Pleating of draperies. 2,595,549, May 6.

Sherman, Herbert P., Chicago, Ill. Duplicating machine. 2,612,834, Oct. 7.

Sherman, Jack, Brooklyn, N. Y. Umbrella cover. 2,617,437, Nov. 11.

Sherman, John M.: *See*—
Fox, Gerald B., and Sherman.

Sherman, Kenneth C., New London, assignor to Electric Boat Company, Groton, Conn. Setting-up table for bowling pin setting machines. 2,580,853, Jan. 1.

Sherman, Milton H., Bronx, N. Y. Pillow cushion. 2,591,306, Apr. 1.

Sherman Products Inc., assignee: *See*—
Tutton, Harry V.

Sherman, Robert A.: *See*—
Casey, James P., Gill, and Sherman.

Sherman, Robert A., Decatur, and L. O. Carlisle, La Grange, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Paper coating apparatus. 2,599,947, June 10.

Sherman, Tracy H., South Nyack, assignor to Foster Wheeler Corporation, New York, N. Y. Heater. 2,592,608, Apr. 15.

Sherman, Tracy H., South Nyack, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace wall. 2,596,180, May 13.

Sherman, Tracy H., South Nyack, assignor to Foster Wheeler Corporation, New York, N. Y. Fluid heater. 2,604,084, July 22.

Sherman, Whitney D.: *See*—
Ahlmeyer, Heinz, and Sherman.

Sherosky, Frank, Detroit, Mich. Straight safety razor. 2,610,396, Sept. 16.

Sherr, Sava I., assignor to S. Briskman, New York, N. Y. Apparatus for finishing toothed cutting blades. 2,592,344, Apr. 8.

Sherr, Sava I., assignor to S. Briskman, New York, N. Y. Shears with teeth for cutting along zigzag lines. 2,607,986, Aug. 26.

Sherrard, Elwin W., Lincoln, Nebr. Illuminated electric outlet fixture. 2,612,597, Sept. 30.

Sherriff, Fred: *See*—
Turner, George L., and Sherriff.

Sherrill, James W.: *See*—
Alexander, Leon G., and Sherrill.

Sherrill, Price E., Jr., assignor to Cocker Machine & Foundry Company, Gastonia, N. C. Power drive mechanism and control means therefor. 2,606,265, Aug. 5.

Shergill, Sidney A., Hickory, N. C. Tape cutter for spools. 2,611,431, Sept. 23.

Sherritt Gordon Mines Limited, assignee: *See*—
Forward, Frank A.

Sherron, Percival H., Jamaica, N. Y. Door. 2,584,624, Feb. 5.

Sherron, Percival H., Jamaica, N. Y. Telephone booth. 2,584,626, Feb. 5.

Sherron, Percival H., Jamaica, N. Y. Telephone booth. 2,614,664, Oct. 21.

Sherrow, Sayle, Camden, Ohio. Lawn mower. 2,592,963, Apr. 15.

Sherry, Louise A., New York, N. Y. Container closure and applicator device. 2,623,228, Dec. 30.

Shertz, Edward W., Upper Darby, and R. S. Work, Kennett Square, assignors to Lansdowne Steel & Iron Company, Morton, Pa. Actuating mechanism for picking sticks. 2,582,761, Jan. 15.

Sherwin, Chalmers W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Range marker generator. 2,582,608, Jan. 15.

Sherwin, Chalmers W., Leonia, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Synchro exciter. 2,582,208, Jan. 8.

Sherwin, Chalmers W., Belmont, Mass., and L. H. Johnston, Santa Fe, N. Mex., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar ground-controlled approach system for aircraft. 2,585,855, Feb. 12.

Sherwin, Chester F., Watervliet, N. Y. Micrometer. 2,614,331, Oct. 21.

Sherwin-Williams Company, The, assignee: *See*—
Altiere, Daniel M., and Burton.
Armitage, Frank, and Fry.
Armitage, Frank, and Sleightholme.
Arvin, James A.
Arvin, James A., and Gitchel.
Coash, Conrad V.
Grummitt, Oliver J., Blank, and Schwarz.
Hewitt, Donald H., and Armitage.
Hunn, James V.
Hunn, James V., and Pascal.
Marienthal, Paul.
Martens, Charles R.
Sleightholme, John J.
Sleightholme, John J., and Hammond.
Wakeford, Leslie E., and Hewitt.
Walton, William T., and Holton.
Walton, William T., and Spitzer.
Weaver, Joe C., Jr., and Farkas.

Sherwood, Adrienne M., assignee: *See*—
Sherwood, Henry A.

Sherwood, Almond H., Whittier, Calif. Warning device for an oil well. 2,581,721, Jan. 8.

Sherwood, Frank D., Fresno, Calif. Pouring device. 2,598,843, June 3.

Sherwood, Henry A., assignor of one-half to H. Ransier, Harrah, Wash. Milker claw. 2,585,178, Feb. 12.

Sherwood, Henry A., assignor to A. M. Sherwood, Tarrytown, N. Y. Motor wheel and mounting strut. 2,588,889, Mar. 11.

Sherwood, Lester L., Banning, Calif. Adjustable frame for motor vehicle license plates. 2,603,013, July 15.

Sherwood, Robert C.: *See*—
Adams, Clarence R., Sherwood, and Mouron.

Sherwood, Robert H., assignee: *See*—
Baughman, Ray G.

Sherwood, Robert M.: *See*—
Lyon, Waldo K., and Sherwood.

Sheshunoff, Victor: *See*—
Whitfield, Marshall G., and Sheshunoff.

Shetler, Ray E., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Cam grinding and marking fixture. 2,609,643, Sept. 9.

Shetler, Richard L.: *See*—
Maynard, John E., and Shetler.

Shevchik, Efim M., Orange, N. J. Button attachment for sewing machines. 2,611,332, Sept. 23.

Shewmon, Ralph K., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ground connection clip for motor mounts. 2,583,189, Jan. 22.

Shewmon, Ralph K., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor control device. 2,623,979, Dec. 30.

Shickel, James B., Baldwinsville, N. Y., assignor to General Electric Company. Magnetic recorder. 2,620,405, Dec. 2.

Shiebly, Leonard M., assignee: *See*—
Brooks, Firman R., and Turner.

Shield, Lansing P., Ridgewood, assignor to The Grand Union Company, East Paterson, N. J. Display and delivery device. 2,623,641, Dec. 30.

Shield, Lawrence, Reinbeck, Iowa. Collapsible cover for vehicle beds. 2,610,086, Sept. 9.

Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Folding machine. 2,583,712, Jan. 29.

Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Feeding mechanism for folding machines. 2,583,713, Jan. 29.

Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Folding machine. 2,622,493, Dec. 23.

Shields, Bert A., Washington, D. C. Device for testing and training individuals in the development of motor skills. 2,623,302, Dec. 30.

Shields, Charles B., Penn Township, Allegheny County, and W. P. Quintin, Jr., Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Frequency responsive relay. 2,622,168, Dec. 16.

Shields, Garry H., Portland, Oreg. Telescopic lawn sprinkler. 2,614,887, Oct. 21.

Shields, Herbert F. H., assignor to British Ropeway Engineering Company Limited, London, England. Hoist. 2,601,228, June 24.

Shields, James R.: *See*—
Barnebey, Herbert L., and Shields.

Shields, James R., Penn Township, Allegheny County, Pa. Composite pressure seal. 2,586,871, Feb. 26.

Shields, James R., assignor to Blaw-Knox Company, Pittsburgh, Pa. Vapor condensing apparatus and method. 2,613,513, Oct. 14.

Shields, Lavelle W., Waterbury, Conn. Comb. 2,596,296, May 13.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Wheel and axle assembly. 2,618,521, Nov. 18.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Container car. 2,620,748, Dec. 9.

Shields, Samuel, Racine, Wis. Liquid mixer. 2,597,536, May 20.

Shields, Samuel T., Cleveland, Ohio. Wall corner forming tool. 2,616,285, Nov. 4.

Shields, Stanley E.: *See*—
Shankland, Rodney V., Shields, and Thiele.

Shiffler, William H., assignor to California Research Corporation, San Francisco, Calif. Continuous process for neutralizing and spray drying an organic sulfonic acid. 2,594,690, Apr. 29.

Shiley, Arthur J., Philadelphia, Pa. Lever actuated tube bending hand tool. 2,623,425, Dec. 30.

Shill, Sidney C., Los Angeles, Calif. Piano action. 2,620,700, Dec. 9.

Shilling, Carl S., Chicago, Ill. Clothesline reel. 2,602,605, July 8.

Shillum, Raymond J.: *See*—
Hutchinson, Martin B., and Shillum.

Shilstone, Dorothy E., Lake Mahopac, N. Y. Cover for paint in opened paint cans. 2,609,119, Sept. 2.

Shilts, Shirley E., Olivet, Mich. Trap chain ring. 2,612,720, Oct. 7.

Shiman Bros. Co., Inc., assignee: *See*—
Schaeffer, Jacob H.

Shimp, Hans G., Moylan, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Applying an atomized hydrocarbon mixture to contact material during passage thereof through a reaction zone. 2,593,495, Apr. 22.

Shina, Frank C., Syracuse, N. Y., assignor to United Board & Carton Corporation. Artificial Christmas tree. 2,587,003, Feb. 26.

Shindler, Charles O., Sarasota, Fla. Artificial bait. 2,618,094, Nov. 18.

Shingler, Dean S.: *See*—
Anderson, William H., and Shingler.
Anderson, William H., Shingler, and Boyd.

Shink, George J., Detroit, assignor of one-half to W. H. Bogart, East Detroit, Mich. Storm sash. 2,616,134, Nov. 4.

Shinn, Byron H., Springfield Township, Summit County, Ohio, and J. E. Ullman, Dublin, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Brake with lubricated disks. 2,581,941, Jan. 8.

Shinn, Charles C., Greenbelt, Md., assignor to the United States of America as represented by the Administrator, Federal Security Agency. Portable exhibiting device. 2,602,252, July 8.

Shinouda, Henry, Cairo, Egypt, assignor to Shell Development Company, San Francisco, Calif. Oil base drilling fluid. 2,584,930, Feb. 5.

Shipe, James H., Winter Haven, Fla. Dump body structure. 2,615,753, Oct. 28.

Shipley, Dorothy K.: *See*—
Hill, William H., and Shipley.

Shipley, Francis L., Blanchard, Okla. Adjustable depth vane fish lure. 2,608,016, Aug. 26.

Shipley, Robert A., and F. E. Worden, Loop, Tex. Cotton weighing device for cotton gin balers. 2,604,035, July 22.

Shipley, Willis E.: *See*—
Snyder, Leland H., and Shipley.

Shipman, Russell C., Ithaca, N. Y., assignor to United Co-Operatives, Inc., Alliance, Ohio. Milk cooler. 2,618,127, Nov. 18.

Shipp, Douglas G., London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company. Railway signaling system. 2,585,505, Feb. 12.

Shippee, Edgar D., Piscataway Township, Middlesex County, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Reinforced friction element. 2,619,442, Nov. 25.

Shippey, Albert J., assignor of fifteen per cent to G. E. Eberhard and fifteen per cent to R. G. Honn, Garnavillo, Iowa. Base former. 2,598,194, May 27.

Shipton, E., & Company Limited, assignee: *See*—
Joseph, Raymond J.

Shirk, John F., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring. 2,602,715, July 8.

Shirk, Robert M.: *See*—
Peavy, Claude C., and Shirk.

Shirk, Robert M., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for contact treatment of materials. 2,580,470, Jan. 1.

Shirland, Fred A., Jr., Parma, Ohio, assignor to Union Carbide and Carbon Corporation. Graphite molding composition. 2,605,300, July 29.

Shirley, Dwight W., Cumberland, Wis. Device for aerating water. 2,590,581, Mar. 25.

Shirley, Frederick J., London, England. Wrapper or container of cardboard or like material. 2,591,882, Apr. 8.

Shirley, Joshua E., North Hills, Pa. Remote-control system for cars moving in a defined path of travel. 2,602,524, July 8.

Shirley, Theodore M.: *See*—
Campbell, John F., and Shirley.

Shirriff, Robert G.: *See*—
Heller, Harold H., and Shirriff.

Shirtcraft Co., Inc., The, assignee: *See*—
Kaplan, Morris L.

Shive, John N., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selenium rectifier including tellurium and making it. 2,608,611, Aug. 26.

Shively, Harmon G.: *See*—
Batiuk, Martin, and Shively.

Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscopic instrument. 2,609,615, Sept. 9.

Shivers, Paul F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner controller. 2,585,278, Feb. 12.

Shivoder, Charles A., Jr., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling articles. 2,604,923, July 29.

Shlenker, Charles N., New York, assignor to E. A. Neugass, Port Chester, N. Y. Illuminated panel. 2,594,081, Apr. 22.

Shmidl, Albert J., Greens Bayou, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Fungicidal and insecticidal preparations. 2,615,827, Oct. 28.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of ammonium sulfate. 2,586,729, Feb. 19.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Trithials of salicaldehyde and their chlorinated derivatives as insecticidal and fungicidal compositions. 2,595,173, Apr. 29.

Shnitzler, Meyer J.: *See*—
Benedict, Michael D., Jr., and Shnitzler.

Shoaf, Floyd R., and J. R. Livengood, Jr., Concord, N. C., said Livengood, Jr., assignor to said Shoaf. Hosiery inspection and mending form. 2,601,229, June 24.

Shobe, Chester L., Great Bend, Kans. Valve operating mechanism. 2,601,230, June 24.

Shobe, Henry E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Gas separation apparatus with liquid level controller. 2,616,514, Nov. 4.

Shockley, R. E., Incorporated, assignee: *See*—
Shockley, Roy E.

Shockley, Roy E., assignor to R. E. Shockley, Incorporated, Kokomo, Ind. Zinc-copper-tin alloy plating. 2,600,699, June 17.

Shockley, William: *See*—
Haynes, James R., and Shockley.

Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit element utilizing semiconductive materials. 2,623,102, Dec. 23.

Shockley, William, Madison, and M. Sparks, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translating device having controlled gain. 2,623,105, Dec. 23.

Shoe Form Co., Inc., assignee: *See*—
Goodfellow, Isaac.

Shoemaker, Bernard H.: *See*—
Proell, Wayne A., Chilcote, and Shoemaker.

Shoemaker, Clifton B., Glendora, Calif. Magnetically controlled rotary water sprinkler. 2,592,609, Apr. 15.

Shoemaker, Edward: *See*—
Elving, Philip J., Shoemaker, Kabacoff, and Nagelburg.

Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Air conditioning system. 2,607,200, Aug. 19.

Shoemaker, Malcolm G., Doylestown, and E. W. Zearfoss, Jr., assignors to Philco Corporation, Philadelphia, Pa. Refrigerator having an evaporator provided with a movable section. 2,597,267, May 20.

Shoemaker, Montgomery J., Olean, N. Y., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making cellular glass of light color. 2,582,852, Jan. 15.

Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Crane boom assembly. 2,595,896, May 6.

Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Tractor mounted crane. 2,595,897, May 6.

Shoenberger, Helen I., and F. K. Stevenson, Warren, Ohio. Paper fastener. 2,595,108, Apr. 29.

Shoffner, Willie M., Dayton, Ohio. Tool stand. 2,603,975, July 22.

Shokal, Edward C.: *See*—
Evans, Theodore W., and Shokal.
Newey, Herbert A., Shokal, and Bradley.

Shokal, Edward C., Oakland, D. E. Winkler, Berkeley, and P. A. Devlin, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halogen-containing organic materials. 2,585,506, Feb. 12.

Shokal, Edward C., Oakland, and P. A. Devlin, assignors to Shell Development Company, San Francisco, Calif. Allyl alcohol-styrene copolymers. 2,588,890, Mar. 11.

Shokal, Edward C., Oakland, and C. W. Schroeder, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Copolymers of 1-alkenyl nitriles and allylic esters of aromatic dicarboxylic acids. 2,596,945, May 13.

Shol, Vallie M., Underwood, Minn. Cake saver. 2,617,350, Nov. 11.

Sholl, Morris A., Los Angeles, Calif. Portable utility case. 2,597,194, May 20.

Shomer, John R., Jr.: *See*—
Arndt, John P., Jr., and Shomer.

Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Modulating system and apparatus. 2,598,612, May 27.

Shonnard, John R., New York, and H. F. Steen, Jamaica, assignors to Times Facsimile Corporation, New York, N. Y. Worm gear drive. 2,608,103, Aug. 26.

Shook, Charles H., Dayton, Ohio. Apparatus for laying concrete. 2,589,634, Mar. 18.

Shook, Charles H., Dayton, Ohio. Form for molding concrete footings and walls. 2,614,311, Oct. 21.

Shook, Hardwick R., assignor to Ventsulator Mfg. Co., Inc., Oklahoma City, Okla. Double sash metal frame window. 2,607,964, Aug. 26.

Shoop, Glen C., and F. G. Hoover, Escondido, Calif. Combination spotting board stand, vacuum control, and condensing chamber. 2,602,315, July 8.

Shoop, Glen C., and F. G. Hoover, Escondido, Calif. Spotting board construction. 2,602,316, July 8.

Shoosmith, Guy T., Chislehurst, England. Convertible bulldozer or shovel. 2,599,491, June 3.

Shooter, Donald H., Arcadia, and J. H. Bender, Maywood, Calif. Toe in or toe out wheel alignment gauge. 2,616,186, Nov. 4.

Shore, Ferdinand J.: *See*—
Clarke, Richard G., Derbyshire, Edwards, and Shore.

Shore, Richard B., Waterloo, Iowa. Side delivery rake. 2,603,933, July 22.

Shore, Roscoe W., Jackson Heights, N. Y. Retractable spout for container, with protective cover for said spout in its retracted position. 2,581,150, Jan. 1.

Shore, William E., West New Brighton, N. Y., assignor to H. S. Forsberg, Shelton, Conn. Saw table for portable power driven reciprocating handsaws. 2,611,400, Sept. 23.

Short, Brooks H.: *See*—
Elliott, Harold V., and Short.

Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,616,065, Oct. 28.

Short, Brooks H., and J. T. Fitzsimmons, deceased, by E. M. Fitzsimmons, executrix, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Distributor rotor. 2,593,205, Apr. 15.

Short, Brooks H., R. A. Wilkins, and G. B. Shaw, Anderson, and J. W. Dyer, Pendelton, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator regulator. 2,616,073, Oct. 28.

Short, Graham H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of thiols and thioethers. 2,610,981, Sept. 16.

Short, Henry N.: *See*—
Garner, Philip J., and Short.

Short, Herbert M., Bridgeville, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal transfer system. 2,618,477, Nov. 18.

Short, J. R., Milling Company, assignee: *See*—
Renner, Herbert O.

Short, James N.: *See*—
Wicklatz, John E., and Short.

Short, Thomas T.: *See*—
Shepard, Billy R., and Short.

Short, Thomas T., Schenectady, N. Y., assignor to General Electric Company. Sensing device for sorting apparatus. 2,593,206, Apr. 15.

Shorter, Sydney A., assignee: *See*—
Jones, Eric H., and Shorter.

Shortland, Arthur, assignor to Mellor Bromley and Company Limited, Leicester, England. Knitting machine. 2,591,883, Apr. 8.

Shotter, George F., Great Mongeham, near Deal, and H. D. Hawkes, New Eltham, England. Method of and apparatus for measuring electrical quantities. 2,596,297, May 13.

Shotton, Walter E., Smethwick, Birmingham, England. Manufacture of industrial wool from solid stock. 2,609,850, Sept. 9.

Shoudy, Paul A., Seattle, Wash., assignor to California Container Corporation, Oakland, Calif. Edible material container. 2,596,087, May 6.

Shouler, John E., and J. M. Markel, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis. Spike-tooth harrow. 2,599,492, June 3.

Shoup, John R.: *See*—
Small, Frederick T., Armstrong, and Shoup.

Shoup, Stanley S., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Bearing mounting. 2,591,622, Apr. 1.

Shoup, Stanley S., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Preloaded bearing cartridge assembly. 2,605,148, July 29.

Shoup, Stanley S., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Crank counterbalance. 2,618,172, Nov. 18.

Showalter, Frank W., assignor to The American Envelope Company, West Carrollton, Ohio. Turntable for paper roll stands. 2,585,859, Feb. 12.

Showalter, Jere C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Stainless emulsible grease. 2,599,353, June 3.

Showcard Machine Co., assignee: *See*—
Kohlbusch, Arthur H.

Shower, Edmund G., Quakertown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filament mounting for high power electron discharge devices. 2,602,907, July 8.

Showers, Ralph M., Philadelphia, Pa., and A. L. Wiesbecker, Williamstown, N. J., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Signaling apparatus. 2,617,380, Nov. 11.

Show Off Corporation, The, assignee: *See*—
Elsinger, Louis S.

Shrader, Marvin O., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. 4-acetylamino-N-n-butyl-1,8-naphthalimide. 2,600,080, June 10.

Shreffler, Vivian A. D., Barnsdall, Okla., assignor of one-half to K. W. Jeter, Sr. Piston head construction for hydraulic brake cylinders. 2,596,298, May 13.

Shreve, Earl W., Indianapolis, Ind. Freight support structure for trucking vans and the like. 2,584,506, Feb. 5.

Shreve, Old D.: *See*—
May, Thomas P., and Shreve.

Shriver, John E., Fort Mitchell, assignor to The Avey Drilling Machine Company, Covington, Ky. Machine tool. 2,603,113, July 15.

Shropshire, Elwood Y.: *See*—
Lo, Chien-Pen, Shropshire, and Croxall.

Shrosbree, Joseph E., Milwaukee, Wis. Clamp comb. 2,583,893, Jan. 29.

Shroyer, Jacob L., Oak Park, Ill. Hotel type pressure cooker. 2,613,666, Oct. 14.

Shuck, James L., Corydon, Ind. Automatic door mat for automobiles. 2,583,894, Jan. 29.

Shuetta, George C., assignee: *See*—
Plevak, Joseph P., and Chapko.

Shuetta, Joseph L., Jr., assignee: *See*—
Plevak, Joseph P., and Chapko.

Shuetta, Lawrence V., assignee: *See*—
Plevak, Joseph P., and Chapko.

Shuey, Kenneth L.: *See*—
Archer, Clarence D., and Shuey.

Shuff, Hugh, Oneonta, Ala. Apparatus for harvesting trees. 2,583,971, Jan. 29.

Shugar, Gershon J., Jersey City, and W. D. Paist, Orange, N. J., assignors to Celanese Corporation of America. Preparation of butylene glycol esters. 2,605,292, July 29.

Shuh, Lewis M.: *See*—
Mast, Gifford M., Gannett, and Shuh.

Shukites, Michael, Johnston City, Ill. Automatic hook setting fishing line float. 2,598,140, May 27.

Shulman, Alexander G., Los Angeles, Calif. T-tube for controlled intubation and drainage of the common bile duct. 2,587,910, Mar. 4.

Shulman, Carl I., and G. R. Kilgore, Princeton, N. J., assignors to Radio Corporation of America. Multisegment single cavity magnetron. 2,581,607, Jan. 8.

Shulman, Maurice H., Brookline, Mass. Can opener auxiliary. 2,613,846, Oct. 14.

Shultz, Frederick A., Herkimer, F. C. Gressel, Ilion, and O. J. Hobb, Little Falls, N. Y., and G. H. Kroeger, Cincinnati, Ohio, assignors to Remington Rand Inc., New York, N. Y. Combined tabulator and summary punch. 2,590,047, Mar. 18.

Shultz, Harry E., West Los Angeles, Calif. Carburetor. 2,617,639, Nov. 11.

Shultz, John F., Pittsburgh, Pa., assignor to Tennessee Valley Authority. Oxidation of phosphorus with steam. 2,613,135, Oct. 7.

Shumaker, Grover M., Euclid, Ohio. Prefabricated folding building. 2,592,610, Apr. 15.

Shumaker, Howard A.: *See*—
Langille, Wilfred O., Shumaker, and Turner.

Shumaker, Howard A., Amherst, Ohio, and E. P. Turner, Fanwood, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor with split pole pieces. 2,613,242, Oct. 7.

Shumaker, Maynard D., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Jet blast deflector. 2,608,363, Aug. 26.

Shumaker, Samuel O., Merchantville, N. J. Work supporting attachment for screw machines and the like. 2,609,592, Sept. 9.

Shuman, Everett C.: *See*—
Paul, Hubert W., and Shuman.

Shuman, Frank R., Jr.: *See*—
Harper, James I., Shuman, and Peters.

Shumann, Harold F., Pittsburgh, Pa. Multiply window bag. 2,619,277, Nov. 25.

Shumard, Charles C., Hopewell, N. J., assignor to Radio Corporation of America. Sine and cosine function voltage device. 2,598,312, May 27.

Shunk, Clifford H.: *See*—
Holly, Frederick W., Shunk, and Folkers.

Shur, Ira, Floral Park, assignor to Waldes-Kohinoor, Inc., Long Island City, N. Y. Watertight slide fastener closure. 2,615,224, Oct. 28.

Shure Brothers, Incorporated, assignee: *See*—
Bauer, Benjamin B.

Shurefiash Laboratory Inc., assignee: *See*—
Robinson, Charles C.

Shuron Optical Company, Inc., assignee: *See*—
Fowler, William D.
Long, Eli M.
McCarthy, James F., and Fluck.

Shurter, Robert A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of nitrated kerosene. 2,597,755, May 20.

Shute, Charles E., Longmeadow, Mass. Inflatable toy. 2,592,347, Apr. 8.

Shutt, John C.: *See*—
Meyers, George L., and Shutt.

Shvetz, Roman E., New York, N. Y. Rocking-chair and musical-box combination and clutch connection therefor. 2,599,948, June 10.

Shwartzman, Gregory, assignor to Mount Sinai Hospital Research Foundation, Inc., New York, N. Y. Preparing an antibacterial substance from pyridoxamine. 2,599,587, June 10.

Shwayder, Benjamin, executor: *See*—
Marienthal, Paul.

Shwayder, Benjamin, Detroit, Mich., assignor to Shwayder Brothers, Inc., Denver, Colo. Hinge. 2,581,151, Jan. 1.

Shwayder Brothers, Inc., assignee: *See*—
Shwayder, Benjamin.

Sibble, Walter C., Wellsville, N. Y. Power-operated pipe wrench. 2,623,734, Dec. 30.

Sibel, Frank, West Paterson, N. J. Web drying device. 2,591,307, Apr. 1.

Sibley, Henry C., Jr.: *See*—
O'Brien, John C., and Sibley.

Sibley Machine and Foundry Corporation, assignee: *See*—
Felix, Paul C.

Sibner, Marvin, Richmond Hill, N. Y. Skiing pole. 2,596,733, May 13.

Sicard, Leonard E.: *See*—
Paul, Lawrence N., and Sicard.

Sichak, William, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,600,274, June 10.

Sichak, William, Lyndhurst, N. J., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Antenna. 2,597,391, May 20.

Siciliano, Anthony C., Wesleyville, Pa., assignor to General Electric Company. Low-pressure drop fluid duct bend. 2,590,797, Mar. 25.

Siciliano, Samuel F., assignor to George C. Moore Company, Westerly, R. I. Weft detector for looms. 2,600,365, June 10.

Sickelbower, Kenneth E., Russell, Kans. Knee pony. 2,585,279, Feb. 12.

Sickelka, Gustav J., Philadelphia, Pa. Soap cake holder. 2,594,082, Apr. 22.

Siczkiewicz, Joseph, Jr.: *See*—
Volgt, Herbert L., and Siczkiewicz.

Sidden, Henry W., Richmond Hill, N. Y. Weather stripping for storm doors. 2,612,664, Oct. 7.

Siddiqui, Salimuzzaman, New Delhi, K. K. Sarin, and J. P. Varma, Poona, assignors to Council of Scientific and Industrial Research, New Delhi, India. Production of a plastic material from shellac and resinols like bhilawan shell liquid or cashew shell liquid suitable for making moulding powders, coating compositions, adhesives, or the like. 2,591,623, Apr. 1.

Siddiqui, Salimuzzaman, New Delhi, K. K. Sarin, and J. P. Varma, Poona, assignors to Council of Scientific and Industrial Research, New Delhi, India. Manufacture of molding powders from shellac and resinols like bhilawan shell liquid or cashew shell liquid. 2,615,855, Oct. 28.

Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Vibrator. 2,587,236, Feb. 26.

Sider, Frances, New York, N. Y. Foundation garment. 2,587,911, Mar. 4.

Sider, Nicholas M., Fort Wayne, Ind., assignor to Container Corporation of America, Chicago, Ill. Packing element. 2,609,136, Sept. 2.

Siderman, Joseph A., Eatontown, N. J. Radiosonde recorder control. 2,599,588, June 10.

Sides, Harold I., Chicago, Ill. Basket carrying carriage. 2,590,048, Mar. 18.

Sidlinger, Bruce C., Cedar Rapids, Iowa. Gymnasium springboard. 2,590,049, Mar. 18.

Sidnell, Albert E., Akron, and T. T. Thompson, assignors to Selberling Latex Products Company, Barberton, Ohio. Apparatus for coating bathing caps. 2,607,317, Aug. 19.

Sidney, Clayton E., Milwaukee, Wis. Gravity operated toy. 2,618,895, Nov. 25.

Sidore, Saul O., Manchester, N. H. Material unrolling attachment for nap-raising machines. 2,612,676, Oct. 7.

Sidwell Brothers, assignee: *See*—
Sidwell, Carl L. and T. R.

Sidwell, Carl L. and T. R., assignors to C. L. and T. R. Sidwell, doing business as Sidwell Brothers, Devertown, Ohio. Screening mill. 2,612,321, Sept. 30.

Sidwell, Theodore R.: *See*—
Sidwell, Carl L. and T. R.

Siebels, Max C., Minden, Iowa. Tractor hitch. 2,591,624, Apr. 1.

Sieber, Martin E., Dayton, Ohio. Wrist cigarette or cigar lighter. 2,593,063, Apr 15.

Siebert, Donald W., assignor to O. W. Siebert Company, Gardner, Mass. Window construction for baby carriage hoods. 2,623,780, Dec. 30.

Siebert, Fred F., Chicago, Ill. Weedless fishing lure. 2,619,763, Dec. 2.

Siebert, Norman R., assignor to Crane Co., Chicago, Ill. Radiographic inspection device. 2,607,012, Aug. 12.

Siebert, O. W., Company, assignee: *See*—
Siebert, Donald W.

Siebke, Carl O.: *See*—
Gegenheimer, Harold W., and Siebke.

Siebrandt, Elizabeth, executrix: *See*—
Siebrandt, John R.

Siebrandt, Inc., assignee: *See*—
Siebrandt, John R.

Siebrandt, John R., deceased: E. Siebrandt, executrix, assignor; by mesne assignments, to Siebrandt, Inc., Kansas City, Mo. Foot traction hitch. 2,583,895, Jan. 29.

Siebrandt, John R., deceased; E. Siebrandt, executrix, assignor to Siebrandt, Inc., Kansas City, Mo. Bone clamp. 2,583,896, Jan. 29.

Siedenburg, Fred M., Richmond Hill, N. Y. Hydraulic jack. 2,585,351, Feb. 12.

Siedenburg, Frederick M., Richmond Hill, assignor to General Aniline & Film Corporation, New York, N. Y. Film developing reel. 2,595,898, May 6.

Siefen, Harry A.: *See*—
Johnson, Ernest E., and Siefen.

Siefker, Joseph A., St. Louis, and J. F. Brasch, Clayton, assignors to Anheuser-Busch, Inc., St. Louis, Mo. Producing animal feeds. 2,592,348, Apr. 8.

Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Box blank taping machine. 2,604,825, July 29.

Siegel, A. L., Co., Inc., assignee: *See*—
Levitt, Benjamin A.
London, Emanuel M.
Mintz, Jacob J.

Siegel, Benjamin E., assignee: *See*—
Caster, William F.

Siegel, David T., assignee: *See*—
Upton, Lee O.

Siegel, James C., New York, N. Y. Cellarette. 2,589,441, Mar. 18.

Siegel, Louis L., Lakewood, Ohio. Device for removing mud and dirt from shoes. 2,615,188, Oct. 28.

Siegel, Morris B., Chicago, Ill. Combination cigarette case, holder, and extinguisher. 2,606,562, Aug. 12.

Siegenthal, Felice E., Pasadena, Calif. Female urinal. 2,582,398, Jan. 15.

Siegenthaler, Walter, Erlenbach, Zurich, assignor to Maschinenfabrik Scharer, Erlenbach, Switzerland. Cop winding machine with bunch builder. 2,593,354, Apr. 15.

Sieger, George M., Jr.: *See*—
Pidacks, Charles, and Sieger.

Sieger, Maurice P., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method of and apparatus for shearing strip material. 2,588,581, Mar. 11.

Siegerist, Walter, University City, Mo. Turning machine. 2,596,444, May 13.

Siegerist, Walter, University City, Mo. Internal synchronized eccentric chain tension adjuster. 2,621,530, Dec. 16.

Siegert, Arnold J. F., Evanston, Ill., assignor to The Texas Company, New York, N. Y. Detecting gamma rays. 2,601,334, June 24.

Siegfried, Everett, assignee: *See*—
Hibbard, Roger W.

Siegrist, Adolf E.: *See*—
Graenacher, Charles, Siegrist, and Bruengger.

Siegrist, John C., London, England. Mold for producing sliding clasp fasteners. 2,589,442, Mar. 18.

Siegrist, Walter, Saint-Imier, Switzerland. Multispeed gear system. 2,587,004, Feb. 26.

Siekmann, Harold J.: *See*—
Meyer, Walter R., and Siekmann.

Siekmann, Harold J., and G. J. Kasselmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Duplicator attachment for lathes. 2,587,542, Feb. 26.

Siekmann, Harold J., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Crankshaft lathe tool feeding mechanism. 2,596,511, May 13.

Sieling, Edward H., Chicago, Ill. Handle. 2,605,010, July 29.

Siemens Brothers & Co. Limited, assignee: *See*—
Humphries, Horace E.

Siemens & Halske Aktiengesellschaft, assignee: *See*—
Jacobi, Werner, and Hinderer.
Jacobi, Werner, Hinderer, and Kats.
Wolff, Otto.
Wilsteney, Herbert.

Siemens - Schuckertwerke, Aktiengesellschaft, assignee: *See*—
Beiamin, Michael.
Duffing, Paul, and Gieffers.
Kehbel, Heinz G.

Siemens Societá Per Azioni, assignee: *See*—
Conti, Giampietro.
Szaniszlo, Stefan.

Siemon, Karl O., Westfield, N. J. Bin level controller. 2,611,044, Sept. 16.

Siepe, John P., Detroit, Mich. Fishing lure. 2,600,437, June 17.

Siernos, Stanley, Newark, N. J. Coin separator for fare boxes. 2,595,713, May 6.

Sierra Electronic Corporation, assignee: *See*—
Byrne, Paul F., and Klye.

Sievenpiper, Frederic L.: *See*—
Fleysher, Maurice H., and Sievenpiper.

Siewenie, Philip F., Chicago, Ill. Multiple-compartmented powder container with selective gravity dispensing means. 2,607,512, Aug. 19.

Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn. as trustee. Screen comprising a Fresnel surface and projection device comprising such a screen. 2,596,049, May 6.

Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gaseous tube oscillator. 2,609,506, Sept. 2.

Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for manufacturing Fresnel surfaces. 2,616,178, Nov. 4.

Sifferd, Robert H., Clarendon Hills, assignor, by mesne assignments, to Armour and Company, Chicago, Ill. Separation of desoxycholic acid. 2,606,912, Aug. 12.

Sifferd, Robert H., Clarendon Hills, and E. J. Schmitt, assignors to Armour and Company, Chicago, Ill. Surgical sponge and the preparation thereof. 2,610,625, Sept. 16.

Sigel, Arthur: *See*—
Carlson, Walter A., Martin, and Sigel.

Sigerist, Rudolf, Zurich, Switzerland. Heater. 2,594,507, Apr. 29.

Siggers, Philip E., Wilmington, Del., assignor to the United States of America as represented by the Secretary of the Army. Tension adjustment for canvas cots. 2,611,908, Sept. 30.

Sigler, Doris, and F. E. Walsky, Baltimore, Md. Hat anchor. 2,594,814, Apr. 29.

Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.

Sigma Instruments, Incorporated, assignee: *See*—
Fisher, Richard T.

Sigmon, Carlin C., Alexis, N. C. Transfer winding attachment for spinning machines. 2,597,537, May 20.

Sigmon, Ross M., Jr.: *See*—
Mellstrup, Emil E., and Sigmon.

Sigmund, Miroslav, Gosforth, England. Water sprayer. 2,592,753, Apr. 15.

Sigmund, Miroslav, Gosforth, England. Water sprayer. 2,604,360, July 22.

Sigmund Pumps Limited, assignee: *See*—
Park, William H.
Riester, Wilhelm F. K.

Signaigo, Frank K.: *See*—
Hoffman, Robert M., and Signaigo.

Signaigo, Frank K., Kenmore, N. Y. Polymer polysulfides containing ether groups. 2,586,182, Feb. 19.

Signal Oil and Gas Company, assignee: *See*—
Moon, James.

Signal Scale and Manufacturing Company, Inc., assignee: *See*—
Sublett, Lester G.

Signal Tuned Radio Corporation, assignee: *See*—
Andrews, Edward F.

Signer, Rudolf, Gumligen, near Berne, Switzerland. Sulfonating polystyrene. 2,604,456, July 22.

Signode Steel Strapping Company, assignee: *See*—
Childress, William C.
Childress, William C., and Ericsson.
Leslie, John H., II.
Weiss, Le Roy.

Sigrist, William A., Madison, Wis. Pipe holder. 2,615,581, Oct. 28.

Sigtermans, Arie A. J., assignor to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer, The Hague, Netherlands. Rapid curing and low-pressure phenol-formaldehyde resins. 2,599,870, June 10.

Silmes, Aarne I., Mantta, Suomi, Finland. Machine for shaking sieves and the like, operable by a relatively incompressible liquid. 2,581,303, Jan. 1.

Sik, George: *See*—
Love, Angus, and Sik.

Sik, György: *See*—
Love, Angus, and Sik.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system utilizing a minimum excitation control device. 2,602,154, July 1.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric regulator utilizing short time constant derivative transformers. 2,603,770, July 15.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter control. 2,600,930, June 17.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade. 2,606,728, Aug. 12.

Sila, Frank T., Benton Harbor, Mich. Vehicle wheel mounted derrick. 2,616,575, Nov. 4.

Silber, Louis: *See*—
Friedman, Arthur, and Silber.

Silber, Ruben, administrator: *See*—
Friedman, Arthur, and Silber.

Silberkraus, Sam, Riverdale, assignor to Regal Moulding Co., Inc., Mineola, N. Y. Molding buttons having multicolored surfaces. 2,602,192, July 8.

Silberman, Jacob A. C., New York, N. Y. Fastener. 2,593,064, Apr. 15.

Silent, Harold C., Los Angeles, assignor to Mitchell Camera Corporation, Glendale, Calif. Follow-focus system for cameras and the like. 2,618,209, Nov. 18.

Silentbloc Limited, assignee: *See*—
Hutton, Philip C.

Silitch, Eugene W., and A. d'Audiffret, assignors to Ranney Method Water Supplies, Inc., Columbus, Ohio. Apparatus and method for the collection of water. 2,622,683, Dec. 23.

Sill, Byron, Galveston, Tex. Combined flashlight and circuit tester. 2,588,772, Mar. 11.

Sill, John E., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Line spacing control for typewriters. 2,584,817, Feb. 5.

Sill, Walter R., Long Island, N. Y. Broken pipe extractor. 2,595,008, Apr. 29.

Sillcox, Lewis K., Watertown, N. Y., assignor to The New York Air Brake Company. Safety device for accessory apparatus on railway trains. 2,584,234, Feb. 5.

Sillén, Gabriel O., Stockholm, Sweden. Washstand combined with water closet. 2,595,009, Apr. 29.

Siller, Charles W.: *See*—
Cyr, Howard M., Siller, and Steele.

Sillers, Thomas G. A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pneumatic control. 2,588,329, Mar. 4.

Silliman, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Antenna. 2,597,392, May 20.

Silman, Leon, New York, N. Y. Fashioned or shaped knitted garment. 2,618,139, Nov. 18.

Silva, Alfred W., San Diego, Calif. Releasable fishing hook. 2,611,983, Sept. 30.

Silva, Alfred W., San Diego, Calif. Fishing lure. 2,611,986, Sept. 30.

Silvaggio, Joseph A.: *See*—
Madgwick, Frederick K., and Silvaggio.

Silvagi, Joseph: *See*—
Gotberg, Harry H., and Silvagi.

Silver, Arnold, Englewood, assignor to Betex Sales Corporation, Paterson, N. J. Resin impregnated textile fabrics and producing same. 2,593,207, Apr. 15.

Silver, Bernard: *See*—
Woodland, Norman J., and Silver.

Silver Engineering Works, Inc., assignee: *See*—
Parry, Vernon F.

Silver, Frank V., Chicago, Ill. Ball-point pen and cap. 2,594,083, Apr. 22.

Silver, Harold F., Denver, Colo. Continuous diffusion battery. 2,604,417, July 22.

Silver, Harold F., and C. R. Steele, Denver, Colo., assignors to Joy Manufacturing Company. Hydraulic control apparatus for adjusting and locking mechanism. 2,608,823, Sept. 2.

Silver, Henry B., assignor to Plastic Seal Corporation, Brooklyn, N. Y. Container sealing machine. 2,589,740, Mar. 18.

Silver, Jacob S., Terryville, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control device. 2,601,866, July 1.

Silver, James W. and J. M., assignors to Ogden Iron Works Co., Ogden, Utah. Screening device. 2,618,385, Nov. 18.

Silver, Joseph M.: *See*—
Silver James W. and J. M.

Silver-King Corp., assignee: *See*—
Pillatsch, John B.

Silver, Martin: *See*—
Bailey, Robert S., and Silver.

Silver, Sidney, Brooklyn, N. Y. Safety electric outlet. 2,610,999, Sept. 16.

Silver, Stan M., New York, N. Y. Artist's canvas pad. 2,605,172, July 29.

Silver, Stan M., assignor to Master Techanique Board Co., New York, N. Y. Making artists' canvas. 2,605,203, July 29.

Silver, Stanley M., Baltimore, Md. Checkbook. 2,585,179, Feb. 12.

Silver, Walter H., and R. E. Cox, assignors to Deere & Company, Moline, Ill. Quick detachable plow. 2,604,834, July 29.

Silver, Walter H., Moline, Ill., and W. V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Tractor mounted two-way plow. 2,616,345 Nov. 4.

Silver, Walter H., Moline, Ill., and W. V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Tractor mounted two-way plow. 2,616,346, Nov. 4.

Silver, Walter H., and O. W. Oerman, assignors to Deere & Company, Moline, Ill. Plow. 2,616,351, Nov. 4.

Silver, Walter H., Moline, Ill., and W. V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Tractor mounted implement. 2,620,715, Dec. 9.

Silver, Walter H., and J. I. Cantral, assignors to Deere & Company, Moline, Ill. Plow. 2,620,717, Dec. 9.

Silverberg, Carl G.: *See*—
Bernheim, Daniel P., and Silverberg.

Silveria, Vernon G.: *See*—
McCready, Rolland M., and Silveria.

Silverman, Allan M., Philadelphia, Pa. Lens mounting for spectacles and eyeglasses. 2,585,352, Feb. 12.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well productivity logging. 2,585,412, Feb. 12.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Seismic-wave generation. 2,609,885, Sept. 9.

Silverman, Daniel, and R. E. Hartline, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Fluid ingress location in wells. 2,595,610, May 6.

Silverman, Daniel, and J. D. Eisler, Tulsa, Okla., and J. H. Huth, Berkeley, Calif., assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Electrical computer. 2,603,415, July 15.

Silverman, David C.: *See*—
Canziani, Victor J., Silverman, and Wiener.

Silverman, Henry S., S. M. Raffer and E. F. Oberheim, Pittsburgh, Pa.; said Raffer and said Oberheim assignors to said Silverman. Orthopedic appliance. 2,599,589, June 10.

Silverman, Jacob, Brooklyn, N. Y. Box pleating machine. 2,613,019, Oct. 7.

Silverman, Julia E., New York, N. Y. Diaper protector. 2,586,730, Feb. 19.

Silverman, Leo, Elkins Park, Pa. Decorative yarn. 2,607,185, Aug. 19.

Silverman, Milton, Forest Hills, and B. Heinemann, De Witt, assignors to Schieffelin & Co., New York, N. Y. Use of carbalkoxy hydroxy benzocoumarin against fungi. 2,596,107, May 13.

Silverman, Victor W.: *See*—
Warren, Comer, and Silverman.

Silvernail, Lloyd H.: *See*—
Amos, James L., Silvernail, and Soderquist.

Silvernail, Lloyd H., assignor to The Dow Chemical Company, Midland, Mich. Thermoplastic compositions of water-soluble cellulose ethers. 2,602,755, July 8.

Silverstein, Gerson, Brooklyn, N. Y. Dry shaver. 2,601,722, July 1.

Silverstein, Robert: *See*—
Cagan, Bernard J., Burroughs, and Silverstein.

Silverstolpe, Karl O. L., Stockholm, Sweden. Centrifugal particle separator. 2,604,261, July 22.

Silvio, Joseph, Chicago, Ill. Bed bracket. 2,616,099, Nov. 4.

Silvius, Paul, Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary electric switch. 2,590,658, Mar. 25.

Sim, Gordon: *See*—
Keyes, George G., and Sim.

Simancik, Frank M., Detroit, Mich. Book tray. 2,590,732, Mar. 25.

Simi, Hendrick E., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Battery carrier. 2,607,433, Aug. 19.

Simjian, Luther G., Stamford, Conn. Costumer. 2,608,304, Aug. 26.

Simjian, Luther G., Riverside, assignor to The Reflectone Corporation, Stamford, Conn. Furniture made of laminations or sections. 2,612,942, Oct. 7.

Simkus, John A.: *See*—
Schmid, Walter, and Simkus.

Simmer, Otto, Mondsee, Austria. Packing ring. 2,581,817, Jan. 8.

Simmers, Charles D., Hopatcong, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Liquid binder. 2,584,300, Feb. 5.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Transparency holder for lantern slide projectors. 2,619,007, Nov. 25.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.

Simmonds Aerocessories, Inc., assignee: *See*—
Gregory, Douglas W., and Baldassare.
Iarcelli, Jack.

Simmonds, Glen G., Kansas City, Mo. Handle for cartons or the like. 2,612,401, Sept. 30.

Simmons, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Enlarging easel. 2,600,809, June 17.

Simmons Company, assignee: *See*—
Petersen, John S.
Woller, Edward E.

Simmons, Ernest P., Kansas City, Kans. Ventilated rib for shotguns. 2,620,583, Dec. 9.

Simmons Fastener Corporation, assignee: *See*—
Schlueter, Ernest.

Simmons, Gladys L., administratrix: *See*—
Simmons, Leon E.

Simmons, Harlon D., Tylertown, Miss. Soil tilling implement. 2,601,640, June 24.

Simmons, Jesse D. and L. K., Wichita, Kans. Waterer and feeder device. 2,586,872, Feb. 26.

Simmons, Lance L., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Heat exchanger. 2,615,687, Oct. 28.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Antifriction bearing. 2,581,722, Jan. 8.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,581,723, Jan. 8.

Simmons, Leon E., deceased, late of Claremont, N. H., by Gladys L. Simmons, administratrix, Claremont, N. H., said Leon E. Simmons assignor to Joy Manufacturing Company. Cutter chain. 2,601,978, July 1.

Simmons, Leon K.: *See*—
Simmons, Jesse D. and L. K.

Simmons, Lillian P., and F. J. Connova, Chicago, Ill. Work supporting and guiding device for shoe sewing machines. 2,610,597, Sept. 16.

Simmons, Louis G., assignee: *See*—
Lasley, Robert A.

Simmons, Lovel R., Jackson, Miss. Weight-lifting logging sulky. 2,612,279, Sept. 30.

Simmons, Orlen W.: *See*—
Jackson, John H., and Simmons.

Simmons, Oscar N., and V. R. Van Zandt, assignors to Ward Heater Company, Los Angeles, Calif. Floor furnace in partition space. 2,622,806, Dec. 23.

Simmons, Robert E., assignor to Denver Fire Clay Company, Denver, Colo. Oil burner with co-ordinated air and oil valves. 2,588,423, Mar. 11.

Simmons, Semoun H., assignee: *See*—
Simmons, Virgil T.

Simmons, Virgil T., assignor of one-fourth to S. H. Simmons, Childress, Tex. Device for and method of installing an oil seal. 2,621,398, Dec. 16.

Simms, Ernest H.: *See*—
Pratt, John W., and Simms.

Simms, Leo G., Glendale, Calif., assignor to Winkitty Products, Inc., Kansas City, Mo. Hose-attachable washing implement. 2,619,385, Nov. 25.

Simms, Lewis W., Fairville, New Brunswick, Canada. Bristle and handle retaining unit for brushes. 2,610,345, Sept. 16.

Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Maintaining B. t. u. content of residue gas from absorber. 2,600,133, June 10.

Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Crystal manufacture. 2,602,023, July 1.

Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Propane fractionation of lubricating oil stocks. 2,603,587, July 15.

Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater and converting hydrocarbons. 2,614,968, Oct. 21.

Simon, André, Namur, Belgium. Apparatus for treating pasty materials, particularly chocolate pastes. 2,622,856, Dec. 23.

Simon, Andrew B., assignor to The American Monorail Company, Cleveland, Ohio. Removing lint by variable-speed traveling blower. 2,613,611, Oct. 14.

Simon, Arthur, deceased; by E. M., C. J., and H. A. Simon, executors, Milwaukee, assignors to B. G. Marti, Wauwatosa, Wis. Variable transformer. 2,585,050, Feb. 12.

Simon-Carves, Limited, assignee: *See*—
Symington, Robert, and Hutcheson.

Simon, Clarence J., executor: *See*—
Simon, Arthur.

Simon, Edith D., executrix: *See*—
Simon, Edward P.

Simon, Edna M., executrix: *See*—
Simon, Arthur.

Simon, Edward P., deceased; E. D. Simon, executrix, assignor to L. F. Boulware, Philadelphia, Pa. Building. 2,585,051, Feb. 12.

Simon, Edward P., deceased; E. D. Simon, executrix, assignor to L. F. Boulware, Philadelphia, Pa. Building. 2,602,968, July 15.

Simon, Ell, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Alkyd resin-diisocyanate cellular foamed plastics. 2,591,884, Apr. 8.

Simon, Ell, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cellular foamed alkyd-diisocyanate resins. 2,602,783, July 8.

Simon, Eugene R., Petersburg, Ill. Resilient soil-working toothed wheel. 2,593,065, Apr. 15.

Simon, Eugenia: *See*—
Deutsch, Joseph, and Simon.

Simon, Forrest C., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Gate control for filling columns. 2,611,465, Sept. 23.

Simon, Harry, Baldwinsville, and J. P. Gleason, Syracuse, N. Y., assignors to General Electric Company. Delayed pulse generator. 2,592,611, Apr. 15.

Simon, Henry, Limited, assignee: *See*—
Lockwood, Joseph F., and Ball.

Simon, Herbert A., executor: *See*—
Simon, Arthur.

Simon, Joseph M., Los Angeles, Calif. Pressure differential switch. 2,604,561, July 22.

Simon, Justin, Woodmere, and R. S. Temko, New York, N. Y. Cigarette lighter. 2,608,080, Aug. 26.

Simon, Meyer A., Clayton, Mo. Variable weight provision for pressing irons. 2,591,018, Apr. 1.

Simon, Moe, Passaic, N. J. Thumb sucking discouraging device. 2,606,554, Aug. 12.

Simon, Randolph F., and S. N. Heaps, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Surface generation of seismic waves. 2,586,731, Feb. 19.

Simon, Richard M., Ossining, assignor to The Texas Company, New York, N. Y. Spark plug. 2,591,019, Apr. 1.

Simon, William G., Basford, England. Apparatus for delivering material from a supply at substantially constant rate. 2,622,766, Dec. 23.

Simonds, Donald R., Winchester, assignor to Donar Products Corporation, Osterville, Mass. Weaving device. 2,601,715, July 1.

Simonds Saw and Steel Company, assignee: *See*—
Matthewman, Rodger B.

Simoni, Arnold, Granby, Quebec, Canada. Control switch of the push-push type. 2,598,613, May 27.

Simonis, Edward A.: *See*—
Barlow, Benjamin W., and Simonis.

Simons, Archie: *See*—
Feilden, Geoffrey B. R., Simons, and Holl.

Simons, Bert R., Bartow, Fla., assignor of one-half to J. P. Robinson, Mobile, Ala. Collapsible baby bed. 2,598,884, June 3.

Simons, Cal, Detroit, Mich. Combination spot and trouble light. 2,611,834, Sept. 23.

Simons, Hendrik: *See*—
Gusdorf, Frederik H., Simons, Verhoeven, and Visch.

Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of furfuryl urea-formaldehyde thermosetting resins. 2,595,492, May 6.

Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of furfuryl urea-formaldehyde thermosetting resins. Re. 23,588, Nov. 25.

Simons, Joseph H.: *See*—
Diesslin, Albert R., Kauck, and Simons.
Kauck, Edward A., and Simons.

Simons, Joseph H., and T. J. Brice, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon mono-iodides and making. 2,614,131, Oct. 14.

Simons, William G., Rockridge, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Phenol-formaldehyde condensation products and producing same. 2,593,926, Apr. 22.

Simonsen, Peter H., Avon, N. J. Structure for supporting folded garments within a transportation container. 2,597,904, May 27.

Simonsen, Peter H., Avon, N. J. Garment retaining means. 2,611,517, Sept. 23.

Simonsen, Peter H., Avon, N. J. Garment retaining means. 2,611,518, Sept. 23.

Simonson, Sydney, Laurelton, assignor, by mesne assignments, to Rek-O-Kut Company, Long Island City, N. Y. Selectable speed drive for sound transcription mechanisms. 2,583,972, Jan. 29.

Simonsson, Hans L., Stockholm, and T. L. Ulfstedt, Sodertalje, assignors to Internationella Siporex Aktiebolaget, Stockholm, Sweden. Rustproofing and using concrete reinforcing elements. 2,591,625, Apr. 1.

Simonsson, Lennart H., Stockholm, and L. T. Ulfstedt, Sodertalje, assignors to Internationella Siporex Aktiebolaget, Stockholm, Sweden. Rustproofing iron and steel reinforcing elements for steam cured concrete. 2,611,945, Sept. 30.

Simonton, Budd E., Watertown, assignor to St. Regis Paper Company, New York, N. Y. Bag package with fork-lift handling means. 2,609,923, Sept. 9.

Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Gas-to-gas heat exchanger. 2,595,308, May 6.

Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchanger. 2,606,007, Aug. 5.

Simpkin, Francis W., Heaton Mersey, Stockport, assignor to The Renold and Coventry Chain Company, Limited, Didsbury, England. Chain drive with lubricating means. 2,620,897, Dec. 9.

Simpkins, George, deceased, Long Beach, Calif., assignor of one-fourth to G. O. Simpkins, one-fourth to W. T. Ramsey, and one-fourth to B. G. Ramsey; G. O. Simpkins, executrix of said G. Simpkins. Metal window. 2,602,527, July 8.

Simpkins, Grace O., assignee: *See*—
Simpkins, George.

Simplex, assignee: *See*—
Rasmussen, Christian O.

Simplex Company, The, assignee: *See*—
Compton, Henry P.

Simplex Electric Company, Limited, assignee: *See*—
Lacy-Hulbert, Cyril, and Barton.

Simplex Packaging Machinery, Inc., assignee: *See*—
Gaubert, Rene J.
Gaubert, Rene J., and Marvin.

Simplex Time Recorder Co., assignee: *See*—
Blouin, Maurice A.

Simplex Wire & Cable Co., assignee: *See*—
Swift, Bernard.
Swift, Bernard, and Kenney.

Simplicity Manufacturing Company, assignee: *See*—
Donald, Forrest V.

Simpson, Alvan D., Plainfield, assignor to The Forming Machine Company of America, Inc., Bound Brook, N. J. Positive pressure machine for forming continuous strips of asbestos-cement compositions and the like. 2,581,210, Jan. 1.

Simpson, Arthur M., Lexington, Ky., assignor to The Kawneer Company, Niles, Mich. Pin-resetting mechanism. 2,595,988, May 6.

Simpson, Arthur W., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Dry cell with improved thermoplastic seal. 2,611,793, Sept. 23.

Simpson, Benjamin H., Minneapolis, Minn. Butter warming receptacle. 2,595,010, Apr. 29.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Breech operating mechanism for automatic firearms. 2,582,288, Jan. 15.

Simpson, Clarence E., Springfield, Mass. Shoulder mortar. 2,590,897, Apr. 1.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Extractor for firearms. 2,591,733, Apr. 8.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Firing mechanism for automatic firearms with nonaxial rectilinear breechblock motion. 2,594,359, Apr. 29.

Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Auxiliary trigger mechanism for firearms. 2,607,148, Aug. 19.

Simpson, Clarence E., Wilbraham, Mass., assignor to the United States of America as represented by the Secretary of War. Locking firearm barrels. 2,611,297, Sept. 23.

Simpson, George K., Fairlie, and D. Traill, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Thioformaldehyde and mercuric chloride treatment of protein filaments. 2,614,024, Oct. 14.

Simpson, George K., Ardrossan, and J. Brooks, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Formaldehyde and uranyl salt treatment of protein filaments. 2,614,025, Oct. 14.

Simpson, Glenn H., Spray, N. C., assignor to Marshall Field and Company, Chicago, Ill. Bed sheet. 2,598,141, May 27.

Simpson, Henry A., Philadelphia, Pa., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Manufacture of slide fasteners. 2,594,691, Apr. 29.

Simpson, Henry C.: *See*—
Spain, Walter G., and Simpson.

Simpson, Herbert A., Ionia, Mich., assignor to C. W. Yerger, Southbury, Conn. Door closer. 2,585,413, Feb. 12.

Simpson, Herbert, Corporation, assignee: *See*—
Christensen, Alfred C.
McIlvaine, Robert L.

Simpson, Herbert S., trustee, assignee: *See*—
Granath, Axel G.
McIlvaine, Robert L.

Simpson, James H., St. Louis, and E. B. Cloninger, Affton, Mo., assignors, by mesne assignments, to Joy Manufacturing Company, Pittsburgh, Pa. Arc tight cable connector. 2,616,942, Nov. 4.

Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,595,550, May 6.

Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation device and construction. 2,602,904, July 8.

Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,606,296, Aug. 5.

Simpson, John M., Miami Beach, Fla., and D. W. Kelbel, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,615,346, Oct. 28.

Simpson, Joseph A., assignor of fifty per cent to M. Hearst, New York, N. Y. Multiple member animated figure device. 2,617,232, Nov. 11.

Simpson, Joseph A., Stockton, and C. Sutherland, Pasadena, assignors to Pacific Clay Products, Los Angeles, Calif. Continuous manufacture of extruded clay composition bodies. 2,612,706, Oct. 7.

Simpson, Joseph L.: *See*—
Boaden, Earl T., and Simpson.

Simpson, Justin, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal strip or sheet feeding means. 2,598,451, May 27.

Simpson, Justin, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Bent sheet detector. 2,616,001, Oct. 28.

Simpson, Justin, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Filled can handling apparatus. 2,621,841, Dec. 16.

Simpson, Justin, Elmhurst, and C. W. Thomas, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Machine for reshaping the flange of irregular shaped cans. 2,601,641, June 24.

Simpson, Kenneth C., Pasadena, Calif. Bobber. 2,609,634, Sept. 9.

Simpson, Kenneth M., Santa Barbara, W. R. Baker, and Q. A. Kerns, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization gauge. 2,595,611, May 6.

Simpson Logging Company, assignee: *See*—
Pevey, Claude V., and Smith.

Simpson, Lynn L.: *See*—
Weaklend, Stephen E., and Simpson.

Simpson, Morris B.: *See*—
Niles, Joseph A., Simpson, Sturgis, Vincent, and Ziemer.

Simpson, Norman H., Fort Worth, and W. D. Smith, Arlington, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Pressure-heat sensitive bonding material. 2,607,709, Aug. 19.

Simpson, Paul F.: *See*—
Sanford, Roy S., and Simpson.

Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Hinged fixture supporting bracket. 2,587,912, Mar. 4.

Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Medicine cabinet. 2,608,458, Aug. 26.

Simpson, Riser M., assignee: *See*—
Knapp, Franklin E.

Simpson, Roy L., North Kansas City, assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Safety device. 2,582,171, Jan. 8.

Simpson, Selden L., Brighton, Mich. Resilient wheel. 2,603,267, July 15.

Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting thermochemical conversions. 2,596,209, May 13.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Evaporative water cooler. 2,612,359, Sept. 30.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning system. 2,617,632, Nov. 11.

Simpson, William F., Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company. Machine for angularly guiding and mounting tires on wheels. 2,597,268, May 20.

Sims, Clarence E., Columbus, Ohio, and M. N. Landis, assignors to La Salle Steel Co., Chicago, Ill. Producing steel products and articles. 2,589,881, Mar. 18.

Sims, Robert J.: *See*—
Walsh, Richard B., and Sims.

Sims, Roy H., Waukesha, Wis. Offset burner lighter and viewer device. 2,581,304, Jan. 1.

Sinaiko, Edwin S., Chicago, Ill. Infant's drinking mug. 2,587,237, Feb. 26.

Sinback, J. L., assignee: *See*—
Nix, Grover C.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake drum. 2,588,665, Mar. 11.

Sinclair, Edward L., Manhasset, N. Y., and W. A. Hagerbaumer, Westfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic contacting tower. 2,592,479, Apr. 8.

Sinclair, Harold, Windsor, England. Power-transmission mechanism. Re. 23,549, Sept. 9.

Sinclair Industries, Inc., assignee: *See*—
Sinclair, Melroy.

Sinclair, Melroy, Richmond Heights, assignor to Sinclair Industries, Inc., St. Louis, Mo. Moated dog feeder. 2,584,301, Feb. 5.

Sinclair Refining Company, assignee: *See*—
Bauer, Oscar W., and Teter.
Beare, Leonard E.
Beare, Leonard E., Kleinholz, and Hoock.
Cheney, Leroy K.
Coons, Edward A.
Friedman, Bernard S.
Johnson, Virgil A.
Kaasa, Orin G.
Kleinholz, Milton P.
Kuhn, George F.
Martin, Edward J.
Mrstik, Adolph V.
Nelson, John W.
Sanford, Robert A., and Friedman.
Shand, Edwin W.
Sheldahl, David B.
Teeter, Ford C.
Teter, John W.
Teter, John W., and Nelson.
Teter, John W., and Olson.
Teter, John W., and Shand.
Verley, Guy M.
Watkins, Franklin M.
Watson, Kenneth M.
Watson, Kenneth M., and Smith.
Wayo, Stephen J., Teter, and Shand.

Sinclair Research Laboratories Inc., assignee: *See*—
Glover, John A., and Johnson.
Piros, John J., and Glover.
Schwarz, Alfred.

Sinclair, Richard L., assignor to Park-O-Mat, Inc., Los Angeles, Calif. Vehicle parking apparatus. 2,602,557, July 8.

Sinclair-Scott Company of Baltimore City, The, assignee: *See*—
Lupton, Elmer H.

Sinclair & Valentine Company, assignee: *See*—
Rice, Cyril M.

Sindelar, William F., Cleveland, Ohio. Universal joint. 2,617,277, Nov. 11.

Sindelar, William F., Cleveland, Ohio. Constant velocity universal joint. 2,617,278, Nov. 11.

Singer, Bessie, Philadelphia, Pa. Corsage holder 2,595,174, Apr. 29.

Singer, Harold, M. Margaretten, and L. Hansen, New York, N. Y. Centering device for use in denture manufacture. 2,618,853, Nov. 25.

Singer, Henry, assignor of one-half to J. K. Goo Kim, Jr., Honolulu, Territory of Hawaii. Safety shield. 2,612,352, Sept. 30.

Singer, Henry, assignor of one-half to O. G. Pung, Honolulu, Hawaii. Toy carrousel. 2,613,931, Oct. 14.

Singer, Henry, Honolulu, Hawaii. Hinged paddle and tethered projectile. 2,616,698, Nov. 4.

Singer, Josef: *See*—
Schwechten, Heinz W., and Singer.

Singer, Kurt, North Hollywood, Calif., assignor to Radio Corporation of America. Regulated power supply. 2,593,066, Apr. 15.

Singer Manufacturing Company, The, assignee: *See*—
Barnhart, Herbert S.
Bartosz, Frank J.
Enos, John P.
Filip, Andrew P.
Fuge, Harry B.
Hacklander, Hans.
Happe, Reynold.
Hayes, Frank A.
Hofgesang, William.
Johnson, Ralph E.
Langille, Wilfred O., Shumaker, and Turner.
Muecke, Edward.
Palmer, Ralph F.
Parry, Frank.
Peets, Wilbur J.
Pons, John A.
Ritter, Herman.
Ritter, Herman, and Peets.
Rockerath, John L.
Sailer, Rudolph J.
Shumaker, Howard A., and Turner.
Snyder, Ellsworth B.
Spaine, Edward P.
Stevenson, Robert L., and Herr.
Turner, Edgar P.
Turner, Edgar P., and Sailer.
Van Wagener, Raymond H.
Wood, Alfred R.
Zeier, Frederick F.

Singer, Mor J., The Hague, Netherlands. Rotatably mounted reflector and light. 2,595,011, Apr. 29.

Singer, Mor J., The Hague, Netherlands. Reflector arrangement for sewing machine illuminating systems. 2,623,157, Dec. 23.

Singer, Mór J., Tilburg, and G. H. Draaisma, Amsterdam, Netherlands. Lighting device for sewing machines. 2,598,452, May 27.

Singer, Otto G., Zurich, Switzerland. Antiskid device for automotive vehicles. 2,618,492, Nov. 18.

Singer, Philip A., and H. J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc. Treatment of soya beans. 2,609,299, Sept. 2.

Singer, Richard M., University City, Mo. Stamp dispensing machine. 2,601,062, June 17.

Singher, Heron O., Plainfield, and C. R. Harmison, Jr., Somerville, N. J., assignors to Ortho Pharmaceutical Corporation. Radiopaque formulation. 2,603,586, July 15.

Singiser, Frank K., Sudbury, Vt. Light valve system. 2,591,308, Apr. 1.

Singleman, Fred: *See*—
Bleam, Howard A., Singleman, and Miller.

Singleterry, Curtis R.: *See*—
Merker, Robert L., and Singleterry.

Singleton, John C., Jr., Watchung, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Furnace wall port closure and operating means therefor. 2,619,922, Dec. 2.

Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Weighing scale. 2,613,073, Oct. 7.

Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Pendulum scale lock. 2,617,642, Nov. 11.

Sink, Robert L., Scotia, N. Y., assignor to General Electric Company. Range tracking pulse echo system. 2,581,211, Jan. 1.

Sinkler, Arthur B.: *See*—
Slaugh, Richard W., and Sinkler.

Sinkler, Arthur B., assignor to Hamilton Watch Company, Lancaster, Pa. Watchmaker's vise. 2,593,703, Apr. 22.

Sinks, Allen T., deceased; by A. C. Sinks, administratrix, Beach Bluff, R. A. Pfuntner, Saugus, and S. Gabrielson, Lynnfield, Mass., assignors to General Electric Company. Gyroscopic direction indicator. 2,585,693, Feb. 12.

Sinks, Allen T., deceased, Beach Bluff; by A. C. Sinks, administratrix, and R. A. Pfuntner, Saugus, and S. Gabrielson, South Lynnfield, Mass., assignors to General Electric Company. Gyroscopic direction indicator. 2,590,798, Mar. 25.

Sinks, Anna C., administratrix: *See*—
Sinks, Allen T., Pfuntner, and Gabrielson.

Sinkwitz, Joseph C., and R. Szpur, assignors to W. F. Chapel, Dayton, Ohio. Apparatus for cooking articles of food in deep grease. 2,614,485, Oct. 21.

Sinnard, Charles M., Grand Island, Nebr. Floor waxing device. 2,583,446, Jan. 22.

Sinner, Alex M. and R., Granger, Wash. Ditch smoothing attachment for ditching plows. 2,618,081, Nov. 18.

Sinner, John B. and O. A., San Diego, Calif. Apparatus for lowering burial caskets into crypts. 2,589,882, Mar. 18.

Sinner, John B. and O. A., San Diego, Calif. Crypt fastener. 2,618,145, Nov. 18.

Sinner, Oscar A.: *See*—
Sinner, John B. and O. A.

Sinner, Reuben: *See*—
Sinner, Alex M. and R.

Sinnett, Chester M., Westmont, and H. Belar, Palmyra, N. J., assignors to Radio Corporation of America. Continuously playing phonograph. 2,617,893, Nov. 11.

Sinnett, Oral M., Walton, W. Va. Rake attachment for tractors. 2,603,934, July 22.

Sintercast Corporation of America, assignee: *See*—
Ellis, John L., and Goetzel.
Goetzel, Claus G.
Goetzel, Claus G., and Ellis.

Sintering Machinery Corporation, assignee: *See*—
Rowen, Harold E.

Sintz, Claude, Detroit, Mich. Jack. 2,618,464, Nov. 18.

Sioux Steel Company, assignee: *See*—
Moyer, Richard C., Oliver, and Rysdon.

Sipe, Charles O., Woody, Calif. Helicopter rotor. 2,604,950, July 29.

Siperek, Siegmund, Detroit, Mich. Garage door. 2,594,360, Apr. 29.

Sipior, Casimir J.: *See*—
Sipior, Joseph F. and C. J.

Sipior, Joseph F., North Tonawanda, N. Y. Paper dispensing device. 2,597,602, May 20.

Sipior, Joseph F., North Tonawanda, N. Y. Paper receiving and holding clip. 2,618,453, Nov. 18.

Sipior, Joseph F. and C. J., North Tonawanda, N. Y.; said C. J. Sipior assignor to said J. F. Sipior. Motor propelled amusement device. 2,603,301, July 15.

Sipkes, Hendrik: *See*—
Cox, Robert, and Sipkes.

Siple, Paul A., Arlington, Va. Heat insulating receptacle. 2,586,873, Feb. 26.

Sipp-Eastwood Corporation, assignee: *See*—
Baumgartner, Cecil A., Ferguson, Koch, and Mutter.

Sipple, Hulbert E.: *See*—
Van Ess, Paul R., and Sipple.

Siracusa, Dante A., Huntington, Beach, Calif. Fishing tool. Re. 23,557, Sept. 30.

Siracusa, Sisti, Santa Fe Springs, Calif. Portable drilling unit. 2,612,347, Sept. 30.

Sirard, J. Antonio, assignee: *See*—
Aubertin, Ovila J.

Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Substituted thickener lubricating grease. 2,583,603, Jan. 29.

Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Lubricating grease. 2,583,604, Jan. 29.

Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Silica base lubricating grease. 2,583,605, Jan. 29.

Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Silica base lubricating greases. 2,583,606, Jan. 29.

Sirianni, Aurelio F., and I. E. Puddington, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Complex soap greases. 2,583,607, Jan. 29.

Sisco, Carl W.: *See*—
Kamm, Clarence W., and Sisco.

Sishc, Julius, Torrington, Wyo. Bean harvester. 2,615,295, Oct. 28.

Sisk, Martin A., Pittsburgh, Pa. Surface drain. 2,607,434, Aug. 19.

Siskoff, Alexander F., assignor of one-half to J. Sturner, New Prague, Minn. Fish holding implement. 2,603,829, July 22.

Sissenwine, Norman, Takoma Park, and J. Ratzkin, Greenbelt, Md. Mercury switch. 2,606,256, Aug. 5.

Sissler, Donald L., Oshkosh, Wis. Bottle viewing machine. 2,597,680, May 20.

Sissman, Joan L., assignee: *See*—
Cohen, Louis.

Sissman, Louis P., assignee: *See*—
Cohen, Louis.

Sissman, Louise, administratrix, trustee, assignee: *See*—
Cohen, Louis.

Sissman, Peter L., assignee: *See*—
Cohen, Louis.

Sisson, Charles E., Washington, D. C. Sanitary water hydrant for railroad yards. 2,585,694, Feb. 12.

Sisson, Kenneth O., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Mechanical movement. 2,580,963, Jan. 1.

Sisson, Wayne A., Silverside Heights, assignor to American Viscose Corporation, Wilmington, Del. Production of spun yarns and fibers. 2,602,964, July 15.

Sitek, Louis R., Milwaukee, Wis. Safety ladder basket. 2,597,756, May 20.

Sitton, Elbert R., Houston, Tex. Lawn edger. 2,594,508, Apr. 29.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,593,355, Apr. 15.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Reciprocating piston type fluid motor. 2,604,879, July 29.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Stopping control valve mechanism for expansible chamber fluid motors with piston actuated distributing valve. 2,609,796, Sept. 9.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper drive mechanism. 2,613,386, Oct. 14.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,619,668, Dec. 2.

Sivalls, Tanks, Inc., assignee: *See*—
Lovelady, Isaac W., and Kroeker.

Sivander, Karl A.: *See*—
Kalling, Bo M. S., Sundgren-Wallden, Wallden, and Sivander.

Sivertson, Clifford P., Washington, D. C. Card shuffling and dealing device. 2,588,582, Mar. 11.

Sivola, Yrjö: *See*—
Norta, Turma, and Sivola.

Sivon, Charles A., Painesville, Ohio. Wire antiskid device. 2,614,599, Oct. 21.

Sivyer, Benjamin E.: *See*—
Jewett, Maurice G., and Sivyer.

Siwek, Stanley Z.: *See*—
Burrows, Milford D., and Siwek.

Six Wheels, Inc., assignee: *See*—
Collender, Gustave A.

Six, Willem: *See*—
Jonker, Johan L. H., and Six.

Six, Willem, H. G. Beljers, and J. te Winkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Signal receiver for carrier-wave telephony systems. 2,596,612, May 13.

Sixt, Karl: *See*—
Spencer, Arthur M., Jacobson, and Sixt.

Sizer, Harold S., Rumford, R. I., assignor to Brown & Sharpe Manufacturing Company. Machine tool feed finger. 2,606,033, Aug. 5.

Sjöström, Charles G. E., Alnarp, Akarp, and Å. V. Larsson, Linkoping, Sweden. Protecting fatty and phosphorous lipoidic food products, particularly milk and dairy products, margarine and the like, against getting unpleasant taste or flavor. 2,609,297, Sept. 2.

Sjostrom, George A., and T. A. Nyberg, Auburn, Maine. Link pivot removing tool. 2,622,389, Dec. 23.

Sjostrom, Robert L., Andover, Mass. Barred roll drive. 2,612,987, Oct. 7.

Skagerberg, Rutcher, Alexandria, Va. Heating system for buildings. 2,604,268, July 22.

Skaggs, John L., Phoenix, Ariz. Motor puller. 2,618,052, Nov. 18.

Skalles, Thomas J., Baraboo, Wis., and R. R. Zimmer, assignors to The Bastian-Blessing Company, Chicago, Ill. Underwater cutting torch. 2,616,489, Nov. 4.

Skalkeas, Basil G., Lowell, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions and methods for processing textile fibers. 2,590,659, Mar. 25.

Skaller, Maja L., Blytheville, Ark. Surgical suturing device. 2,580,964, Jan. 1.

Skantze, Olof A., Falkenberg, Sweden. Method and apparatus for the transformation of cereals, particularly barley into malt. 2,598,313, May 27.

Skaperdas, George T.: *See*—
Lobo, Walter E., and Skaperdas.

Skarin, Carl R.: *See*—
Mahoney, Joseph L., Rundquist, and Skarin.

Skarin, Richard C.: *See*—
Klein, Chris, Skarin and Tinker.

Skarstrom, Charles W., Hazlet, N. J., assignor to Standard Oil Development Company. Apparatus for determining flame blowout in jet engines. 2,589,971, Mar. 18.

Skay, Frank, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Universal centering vise. 2,612,821, Oct. 7.

Skeel, Thaddeaus H.: *See*—
Seagraves, Lucian E., and Skeel.

Skeggs, Helen R., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Stabilized vitamin B_{12} composition. 2,584,627, Feb. 5.

Skel, Thurston: *See*—
Detling, Kenneth D., and Skel.

Skellern, John: *See*—
Chamberlin, R. H. D., Wynne, and Skellern.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detection of electrically charged particles. 2,581,305, Jan. 1.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Electronic stepping switch. 2,599,949, June 10.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave generating circuits. 2,609,508, Sept. 2.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave generating circuits. 2,614,222, Oct. 14.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Focused radial beam electron tubes. 2,620,454, Dec. 2.

Skellett, Albert M., Madison, and L. E. Loveridge, Rutherford, assignors to National Union Radio Corporation, Orange, N. J. Microwave dynatron. 2,585,860, Feb. 12.

Skelley, Charles L., New York, N. Y. Combined postal scale, check protector, and letter opener. 2,586,443, Feb. 19.

Skelly, John B., deceased, Seattle, Wash.; M. Y. Skelly, executrix, assignor to M. Y. Skelly, Seattle, Wash. Sash cord holder. 2,583,395, Jan. 22.

Skelly, John S., Monongahela, Pa., assignor to Combustion Engineering-Superheater, Inc. Automatic control means for stokers. 2,584,235, Feb. 5.

Skelly, Mary Y., executrix, assignee: *See*—
Skelly, John B.

Skelton, Dennis E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Granule type acoustic transducer. 2,585,052, Feb. 12.

Skelton, Russell R.: *See*—
Charles, T. Burr, and Skelton.

Skelton, William E.: *See*—
Arnold, George B., Hess, and Skelton.

Skelton, William E., Beacon, I. F. German, Jr., New York, H. A. Kirsch, Beacon, and W. V. Overbaugh, Fishkill, assignors to The Texas Company, New York, N. Y. Continuous process for separation of waxlike constituents from oil. 2,604,430, July 22.

Skiaffiliates, Inc., assignee: *See*—
Harocopo, Marino N.

Skiatron Electronics and Television Corporation, assignee: *See*—
Rosenthal, Adolph H.

Skibbe, Harold A.: *See*—
Skibbe, Henry and H. A.

Skibbe, Henry and H. A., Eau Claire, Mich. Seed and fertilizer spreader. 2,594,084, Apr. 22.

Skibowski, George B., Pontiac, Mich. Plunger for clearing waste pipes and drains. 2,608,695, Sept. 2.

Skifte, Oscar B., Clear Lake, S. Dak. Spraying machine. 2,619,379, Nov. 25.

Skiles, Benjamin F., New Castle County, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Spirit-soluble color for duplicating ink. 2,586,570, Feb. 19.

Skillman, Edward, assignor to The J. B. Ehrsam & Sons Manufacturing Co., Enterprise, Kans. Synchronizing means for rotors. 2,594,692, Apr. 29.

Skillman, Newton, Jr., and J. E. Connolly, Detroit, assignors to Neveroil Products Company, Hamburg, Mich. Spring pad and cover. 2,593,208, Apr. 15.

Skillman, Thomas S., Mosman, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Stock distribution system. 2,584,628, Feb. 5.

Skillman, Thomas S., Mosman, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Conveyer belt apparatus. 2,591,971, Apr. 8.

Skillman, Thomas S., Mosman, near Sydney, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Keying arrangement for article dispensing systems. 2,602,116, July 1.

Skillman, Thomas S., Mosman, New South Wales, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, Australia. Frequency selective repeater device. 2,607,860, Aug. 19.

Skillman, Thomas S., Mosman, near Sydney, and A. D. Lackey, McMahon's Point, near Sydney, assignors to Communication Engineering Pty. Limited, New South Wales, Australia. Accounting device. 2,597,538, May 20.

Skillman, Thomas S., Mosman, near Sydney, and L. J. Owen, Epping, near Sydney, New South Wales, Australia, and R. H. McGibbon, London, England, assignors to Communication Engineering Pty. Limited, Cammeray, New South Wales, Australia. Dispenser for nested bags. 2,622,953, Dec. 23.

Skillman, William T., Houston, Tex. Trimmer and edger. 2,621,463, Dec. 16.

Skilsaw, Inc., assignee: *See*—
Forss, Ernest H.
Forss, Frithiof P.

Skinner, Bronson C., Dunedin, Fla., assignor to Clinton Foods Inc., New York, N. Y. Apparatus for washing discrete units of solid materials. 2,612,178, Sept. 30.

Skinner Chuck Company, The, assignee: *See*—
Clay, Robert B., and Goepfrich.
Goepfrich, George A.
Harris, Dwight E.
McPherson, Hal W.

Skinner, Elmer F., Danvers, Mass. Duplicating roll film cleaning device. 2,612,105, Sept. 30.

Skinner, Hazel B., assignee: *See*—
Bentley, Clarence H.
Bletcher, Ralph E., Bentley, and Bucknell.

Skinner, Henry J. P., London, England, assignor to International Construction Corporation Limited, Nassau, Bahamas. Scaffolding. 2,585,281, Feb. 12.

Skinner Irrigation Company, The, assignee: *See*—
Coles, Walter H.

Skinner, John A.: *See*—
Tholstrup, Henry L., and Skinner.

Skinner, Leslie A., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Rocket having adjustable discharge passage. 2,612,747, Oct. 7.

Skinner, Milton D., Port Credit, Ontario, Canada. Sink construction and installation. 2,582,463, Jan. 15.

Skinner, Ralph L., Bloomfield Hills, Mich., assignor, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa. Pressure sealing means. 2,623,798, Dec. 30.

Skinner, Ralph L., Detroit, Mich. Variable compression system for internal-combustion engines. 2,592,829, Apr. 15.

Skinner, Ralph L., Detroit, Mich., assignor, by mesne assignments, to Robertshaw-Fulton Controls Company, Greensburg, Pa. Pressure sealing construction. 2,615,761, Oct. 28.

Skinner, Robert E., Fairview Park, and G. H. McIntyre, Cleveland Heights, Ohio, assignors to Ferro Corporation. Electric enamel furnace. 2,610,217, Sept. 9.

Skivesen, Kristian, Flourtown, assignor to Selas Corporation of America, Philadelphia, Pa. Apparatus for supporting and adjusting the position of a device with respect to work. 2,622,606, Dec. 23.

Sklar, David F., Brooklyn, N. Y., assignor, by mesne assignments, to American Chain & Cable Company, Inc. Hardness tester as a function of time. 2,619,831, Dec. 2.

Skocic, John M., Lowellville, Ohio. Barbecuing machine. 2,590,470, Mar. 25.

Skoda Works, The, assignee: *See*—
Basus, Jiří.

Skoda Works, National Corporation, assignee: *See*—
Douša, Jaroslav.
Rosenberg, Josef.

Skog, Henry A.: *See*—
Ewald, Raymond L., and Skog.

Skog, Henry A., Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Pear peeling mechanism. 2,594,361, Apr. 29.

Skog, Henry A., Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Fruit pitting and peeling apparatus. 2,594,362, Apr. 29.

Skog, Stig R. L.: *See*—
Karlsson, Sture E., and Skog.

Skogseid, Anders, Herøya, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Preparation of polymeric organic cation resin exchangers containing imino groups. 2,592,350, Apr. 8.

Skogseid, Anders, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Preparing and reducing mononitrated polystyrene. 2,592,349, Apr. 8.

Skogseid, Anders, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Producing potassium salts from solutions, particularly sea water, salt lakes, and salt lyes. 2,619,404, Nov. 25.

Skok, Alois, Pasadena, Calif. Adjusting and locking mechanism for reclining chairs. 2,617,469, Nov. 11.

Skok, Sergius, St. Albans, N. Y., assignor to Burndy Engineering Company, Inc. Supporting clip. 2,590,277, Mar. 25.

Skolfield, William K.: *See*—
Reisch, George J., and Skolfield.

Skoll, Sigmund P.: *See*—
McGovern, Bernard J., and Skoll.

Skoog, John A., Grastorp, Sweden. Grip tongs. 2,584,236, Feb. 5.

Skoog, Per F., Olympia, Wash. Inlaying sheet material and the products thereof. 2,583,396, Jan. 22.

Skoog, Robert W., Borger, Tex., and I. Drogin, assignors to United Carbon Company, Inc. (Maryland), Charleston, W. Va. Apparatus for the manufacture of carbon black. 2,590,660, Mar. 25.

Skopic, John, Schenectady, N. Y., assignor to General Electric Company. Fluid pressure sealing means. 2,601,995, July 1.

Skorupa, Edward R., Columbus, Nebr., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Skorupa. Wall mounted can opener. 2,598,314, May 27.

Skovran, Latze, Brooklyn, N. Y. Antiskid device. 2,607,388, Aug. 12.

Skowron, Edmund A., Pittsburgh, assignor to Woodings-Verona Tool Works, Verona, Pa. Rail clip forming machine. 2,596,734, May 13.

Skriba, Rudolph A.: *See*—
Littell, Frederick M., and Skriba.

Skromme, Arnold B., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Bale case extension for agricultural balers. 2,596,872, May 13.

Skrzycki, William T., Detroit, Mich. Beverage cooling container. 2,622,852, Dec. 23.

Skupas, John A.: *See*—
Noelting, William H., and Skupas.

Skycraft Mfg. Corp., assignee: *See*—
Calhoun, Jack A.

Skyway Precision Tool Company, assignee: *See*—
Garwood, Robert E.

Slaby, Ollie F., Parma, and L. R. K. Mills, Lyndhurst, Ohio. Liquid extracting apparatus. 2,595,493, May 6.

Slack, Paul: *See*—
Billman, Beryl I., and Slack.

Slade, Charles E., Wembley, and A. Kershaw, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric welding supply circuit. 2,591,972, Apr. 8.

Slade, Ernest H., Los Alamos, N. Mex. Frozen food locker partition device. 2,610,759, Sept. 16.

Slade, George: *See*—
Carter, Arthur, and Slade.

Sladky, Joseph F.: *See*—
Wahlberg, Nils E., and Sladky.

Slama, Richard, Philadelphia, Pa. Continuous process rotary apparatus. 2,622,724, Dec. 23.

Šlampa, Vavřín, Brunn, Czechoslovakia. Cushion heel. 2,597,393, May 20.

Šlampa, Vavřín, K. Čepelák, and F. Vrága, Brunn, Czechoslovakia. Shoe heel with elastic chambers. 2,599,871, June 10.

Slansky, Shirley: *See*—
Gruhman, Samuel, and Slansky.

Slant-Fin Radiator Corporation, assignee: *See*—
Dubin, Melvin, and Goldstein.

Slapnicher, Tony, Hibbing, Minn. Manually operated backwater sewer valve. 2,613,055, Oct. 7.

Slate, Arthur R.: *See*—
Koplin, Harry, and Slate.

Slater, Alexander, West St. Kilda, Victoria, Australia. Trawling net and apparatus for use therewith. 2,619,754, Dec. 2.

Slater, Charles A., assignee: *See*—
Carpenter, Arley D., and Slater.

Slater, Edward J., Port Jervis, assignor to Gehring Textiles, Inc., New York, and Chantex, Inc., Port Jervis, N. Y. Textile fabric and knitting the same. 2,608,079, Aug. 26.

Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Mounting for rock drills. 2,602,638, July 8.

Slater, Henry W., Victoria, Tex. Three leg derrick construction. 2,597,958, May 27.

Slater, Henry W., Victoria, Tex. Pipe wiper. 2,620,504, Dec. 9.

Slater, John M.: *See*—
Harcum, William M., and Slater.
Tauscher, Vernon A., and Slater.

Slater, John M., Garden City, N. Y., assignor to The Sperry Corporation. Flight control apparatus for aircraft. 2,595,309, May 6.

Slater, John M., Inglewood, Calif., assignor to The Sperry Corporation, Great Neck, N. Y. Automatic flight control system. 2,623,714, Dec. 30.

Slater, N., Company, Limited, assignee: *See*—
Ridgers, Frederick G.
Ridgers, Frederick G., and Cassels.

Slater, Norman, Waterbury, Conn., assignor to Benrus Watch Company, Inc., New York, N. Y. Watch case construction. 2,619,792, Dec. 2.

Slater, Raymond E., New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Cup drawing apparatus. 2,611,475, Sept. 23.

Slater, William A., Hunt, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Refining high sulfur crude oils. 2,600,931, June 17.

Slates, Ralph W.: *See*—
Cool, Kenneth A., and Slates.

Slatkin, Alfred D., Birmingham, Mich. Electric vulcanizing machine. 2,581,608, Jan. 8.

Slattery, Edward J., Montgomery County, Md. Cabinet for sound record disks. 2,593,927, Apr. 22.

Slattery, James J.: *See*—
Anderson, Louis A., and Slattery.

Slattery, Roger L., assignor to The Tuco Work Shops, Incorporated, Lockport, N. Y. Game table top having two playing surfaces. 2,608,454, Aug. 26.

Slaugh, Richard W., and A. B. Sinkler, Lancaster Township, Lancaster County, assignors to Hamilton Watch Company, Lancaster, Pa. Poise error indicator. 2,620,130, Dec. 2.

Slaughter, Bernard J., Jr., assignor to The Crane & Breed Casket Company, Cincinnati, Ohio. Latch construction for sealed burial casket. 2,607,102, Aug. 19.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Tubular container. 2,584,095, Jan. 29.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Packaging method. 2,599,493, June 3.

Slaughter, Charles E., New Canaan, Conn. Container. 2,600,438, June 17.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Tube shearing apparatus. 2,607,074, Aug. 19.

Slaughter, Philip E., assignor to C. C. Brown, Houston, Tex. Pipe clamp. 2,621,384, Dec. 16.

Slaughter, Samuel, assignor of one-half to D. E. Windle, Richmond, Ind. Wheelbarrow with resiliently supported dump body. 2,617,682, Nov. 11.

Slavens, Wayne E., Des Moines, assignor to Deere Manufacturing Co., Dubuque, Iowa. Cornhusking mechanism. 2,622,382, Dec. 23.

Slavick, Joseph V., Albuquerque, N. Mex., assignor of three-fourths to H. D. White, Chicago, Ill. Apparatus for heat-treating mineral material. 2,612,263, Sept. 30.

Slavin, Edward J., and P. Jason, Brooklyn, N. Y. Ornamental cornice. 2,602,500, July 8.

Slavin, Harry, Detroit, Mich. Window cleaning device. 2,603,808, July 22.

Slayen, Zel, San Diego, Calif. Foldable mattress. 2,589,579, Mar. 18.

Slaymaker, Frank H.: *See*—
Mecker, Willard F., and Slaymaker.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Water-repellent glass fiber fabric. 2,604,688, July 29.

Slayter, Games, Newark, Ohio. Seed cleaner and separator. 2,614,691, Oct. 21.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Insulation material. 2,618,817, Nov. 25.

Slayter, Games, and C. J. Stalego, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Method and apparatus for forming fibers. 2,609,566, Sept. 9.

Slayton, Ransom D., Elmhurst, assignor to Teletype Corporation, Chicago, Ill. Electronic control circuit for perforators. 2,609,444, Sept. 2.

Slayton, Ransom D., Elmhurst, assignor to Teletype Corporation, Chicago, Ill. Electronic control circuit for recorders. 2,609,445, Sept. 2.

Slayton, Ransom D., Lombard, assignor to Teletype Corporation, Chicago, Ill. Electronic start-stop to multiplex extensor. 2,582,218, Jan. 15.

Slayton, Ransom D., Lombard, assignor to Teletype Corporation, Chicago, Ill. Electronic multiplex to start-stop extensor. 2,585,282, Feb. 12.

Slayton, Ransom D., Lombard, assignor to Teletype Corporation, Chicago, Ill. Electronic multiplex to start-stop extensor. 2,595,714, May 6.

Slechta, Henry C., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Elements per unit length counter mechanism. 2,589,741, Mar. 18.

Šlechta, Jaroslav, assignor of one-half to Aviation Works, National Corporation, Prague, Czechoslovakia. Eccentric cyclic pitch control mechanism for rotors of aircraft. 2,611,441, Sept. 23.

Šlechta, Jaroslav, Prague-Vysocany, assignor of one-half to Aviation Works, National Corporation, Prague, Czechoslovakia. Constructional unit for the control of the ailerons and elevator of airplanes. 2,594,593, Apr. 29.

Sleeper, George E., Jr., Berkeley, assignor to Color Television, Inc., San Francisco, Calif. Scanning system for color television. 2,603,706, July 15.

Sleeper, Neal M.: *See*—
Bordewieck, Robert W., Roebuck, and Sleeper.

Sleeper, William H., Jr.: *See*—
Baring-Gould, Sabine L., and Sleeper.

Sleightholme, John J.: *See*—
Armitage, Frank, and Sleightholme.

Sleightholme, John J., Carlisle, England, assignor, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Styrene copolymers. 2,586,571, Feb. 19.

Sleightholme, John J., Carlisle, and W. T. C. Hammond, London, England, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Styrene drying-oil copolymers. 2,586,572, Feb. 19.

Slemmons, Arthur J., assignor to Chrysler Corporation, Highland Park, Mich. Piston assembly. 2,588,666, Mar. 11.

Slemmons, Charles O., assignor to The Studebaker Corporation, South Bend, Ind. Resilient clip for retaining hubcaps to wheels. 2,605,530, Aug. 5.

Slencil Co., The, assignee: *See*—
Harris, Carl C.

Sleness, Wallace A., Seattle, Wash. Fishing plug. 2,587,638, Mar. 4.

Slepian, Joseph: *See*—
Boyer, John L., and Slepian.

Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric converting device. 2,619,627, Nov. 25.

Slepicka, Irvin M., assignee *See*—
McPhee, William F.

Slezak, Stanley T., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audible alarm for telephone systems. 2,616,979, Nov. 4.

Slick, Edwin E., Pittsburgh, Pa. Nozzle for metallurgical equipment. 2,615,216, Oct. 28.

Sliepcevich, Cedomir M., Ann Arbor, Mich., assignor to Kask Technical Corporation, Jackson Heights, N. Y. Atomizing nozzle. 2,618,512, Nov. 18.

Sliepcevich, Cedomir M., Ann Arbor, Mich., assignor to Kask Technical Corporation, Jackson Heights, N. Y. Atomizing nozzle. 2,621,976, Dec. 16.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Dimensionally stable diazotype photographic film and making it. 2,593,928, Apr. 22.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype composition for siliceous surfaces. 2,598,453, May 27.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Alginate sized diazotype sensitized material. 2,617,727, Nov. 11.

Slifkin, Sam C., and W. Beese, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographically sensitive diazotype element. 2,591,309, Apr. 1.

Slimovitz, Morris L., Newbern, Tenn. Glove with improved gunn. 2,617,109, Nov. 11.

Slinger, Frank H.: *See*—
Coffey, Samuel, Fairweather, and Slinger.

Sloan, Abraham, Lynn, assignor to D. L. Peskin, Newton, Mass. Tray attachment for tables. 2,580,855, Jan. 1.

Sloan, Clifford K., Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions. 2,599,494, June 3.

Sloan & Company, assignee: *See*—
Guth, Julius.

Sloan, Edward C., Madison, Wis., assignor to Kartridg-Pak Machine Co., Chicago, Ill. Banding machine. 2,581,724, Jan. 8.

Sloan, Edward C., Madison, Wis., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion bellows construction. 2,583,308, Jan. 22.

Sloan, Frederick S., Clinton, Okla. Matrix seating mechanism for teletypesetter operated composing and line casting machines. 2,622,726, Dec. 23.

Sloan, Harry E., assignor to The Cushman Chuck Company, Hartford, Conn. Swivel connection for air operated chucks. 2,584,747, Feb. 5.

Sloan, Harry E., assignor to The Cushman Chuck Company, Hartford, Conn. Swivel connection for air-operated chucks. 2,599,664, June 10.

Sloan, John I., deceased; P. Sloan, executrix, assignor of one-fifth to J. H. Poe, Tulsa, Okla., and four-fifths to P. Sloan. Method of and apparatus for expediting the drilling of wells. 2,595,715, May 6.

Sloan, Joseph B., Racine, Wis. Practice attachment for golf clubs. 2,621,044, Dec. 9.

Sloan, Otto: *See*—
Hayes, George W., and Sloan.

Sloan, Otto, Melvindale, and A. M. Klarich, Dearborn, Mich., assignors to Hayes Sloan Products Company. Ball transfer means. 2,620,078, Dec. 2.

Sloan, Pearl, executrix, assignee: *See*—
Sloan, John I.

Sloan, Stephen A., Metuchen, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Automatic gas igniter tube for burners. 2,591,626, Apr. 1.

Sloan Valve Company, assignee: *See*—
Bellamy, John I.
Filliung, Jacques J.
Russell, Irving H.
Russell, Irving H., and Sloan.

Sloan, William E.: *See*—
Russell, Irving H., and Sloan.

Sloane-Blabon Corporation, assignee: *See*—
Benedict, Walter E., and McBride.

Sloane, Milton, Hartford, Conn., now by judicial change of name Peppy M. Sloane. Collapsible container. 2,600,439, June 17.

Sloane, Peppy M.: *See*—
Sloane, Milton.

Sloane, Robert W., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level control mechanism. 2,599,073, June 3.

Sloane, Robert W., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level control mechanism. 2,600,366, June 10.

Sloane, Robert W., Detroit, M. J. Thomas, Birmingham, and G. C. Fricke, Pleasantridge, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Governor. 2,613,657, Oct. 14.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Gearing. 2,585,971, Feb. 19.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,597,040, May 20.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Transverse equalizing device. 2,606,506, Aug. 12.

Slocombe, Robert J., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising organic isocyanates and preparing same. 2,620,349, Dec. 2.

Slocombe, Robert J., Dayton, and G. L. Wesp, Englewood, Ohio., assignors to Monsanto Chemical Company, St. Louis, Mo. Stabilized acrylonitrile polymers. 2,617,783, Nov. 11.

Slocombe, Robert J., Dayton, and G. L. Wesp, Englewood, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Acrylonitrile polymers stabilized with a mixture of an aluminum salt and a maleic acid derivative. 2,617,784, Nov. 11.

Slocum, Arthur G., Ensign, Kans. Portable conveyer and gatherer for grain. 2,592,480, Apr. 8.

Slocum, Arthur G., Ensign, Kans. Loading conveyer for grain and other materials. 2,623,624, Dec. 30.

Slocum, William L., and H. L. Haggard, Miami, Fla. Egg cleaning and sanitizing machine. 2,603,039, July 15.

Sloderbeck, William J., and W. H. Fritz, Sr., Southfield Township, Oakland County, assignors to Goddard and Goddard Company, Detroit, Mich. Cutting tool. 2,583,309, Jan. 22.

Sloman, Robert A., assignee: *See*—
Weis, William B.

Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Trolley pole. 2,616,991, Nov. 4.

Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Electrically operated fluid release valve. 2,620,824, Dec. 9.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Scanning means. 2,600,583, June 17.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp device. 2,620,731, Dec. 9.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Internal-combustion engine. 2,590,134, Mar. 25.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Safety device for cooling systems. 2,590,135, Mar. 25.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Valve. 2,599,872, June 10.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Engine governor for throttle valves. 2,606,752, Aug. 12.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Engine governor dampener. 2,607,578, Aug. 19.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Cooling system for internal-combustion engines. 2,612,881, Oct. 7.

Slonneger, John L.: *See*—
Hall, Chester I., and Slonneger.

Slonneger, John L., Scotia, N. Y., assignor to General Electric Company. Thermally actuated mercury switch. 2,611,057, Sept. 16.

Slopa, George W., assignee: *See*—
Slopa, Robert E.

Slopa, Robert E., assignor of one-half to G. W. Slopa, Chicago, Ill. Door hinge. 2,586,573, Feb. 19.

Sloper, Willard A., Independence, Oreg. Pruning and cultivating implement. 2,619,891, Dec. 2.

Slosberg, Sam M., and H. Beeten, Allentown, and E. Frank, Bethlehem, Pa. Furniture cover. 2,588,940, Mar. 11.

Sloss-Sheffield Steel & Iron Company, assignee: *See*—
Bordenca, Carl.

Slotter, Richard L., assignor to Archer-Daniels-Midland Company, Minneapolis, Minn. Dextrinization of sorghum flour. 2,601,335, June 24.

Slotterback, William C., Langhorne, Pa. Stationary spool reel. 2,581,306, Jan. 1.

Slotterbeck, Ober C., Rahway, W. H. Smyers, Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Cellophane laminated with styrene-isobutylene copolymer. 2,604,423, July 22.

Slottman, George V., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of open-hearth steel. 2,580,614, Jan. 1.

Slough, Phillip F., Detroit, Mich., assignor to L. W. Petrie, Chicago, Ill. Fish lure. 2,615,274, Oct. 28.

Slovin, David G., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Prevention of pinking in rubber articles containing di-beta-naphthyl-para-phenylene diamine antioxidant. 2,610,983, Sept. 16.

Slowak, Hermann, Montevideo, Uruguay. Weaving shuttle construction. 2,589,972, Mar. 18.

Slowak, Hermann, Montevideo, Uruguay. Apparatus for the manufacture of tubular fabrics. 2,622,627, Dec. 23.

Slowter, Edward E.: *See*—
Gonser, Bruce W., and Slowter.

Slumber Products Corporation, assignee: *See*—
Mogridge, William P.

Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Weighing and packaging apparatus. 2,592,074, Apr. 8.

Slusher, Frank, Carpinteria, Calif., assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for buffing flexible articles. 2,587,776, Mar. 4.

Slusher, Harley J., Jr., Glendale, Ohio. Beam compass construction. 2,621,412, Dec. 16.

Sluss, James A., Bristol, Va. Viscera inspection unit. 2,623,238, Dec. 30.

Sly, Leslie, W.: *See*—
Doe, Walter P., Sly, and Fisher.

Sly, Rolla E., Portland, Oreg. Foldable gaff hook. 2,601,999, July 1.

Sly, W. W., Manufacturing Company, The, assignee: *See*—
Boesger, George A.

Slye, Asa L.: *See*—
Elling, Delmar O., and Slye.

Slyfield, Charles O.: *See*—
Finneran, Thomas J., and Slyfield.

Slyh, John A.: *See*—
Lepp, Jack M., and Slyh.

Slyk, Stanley S., Chicago, Ill. Oil check for piston rings. 2,590,278, Mar. 25.

Slyk, Stanley S., Chicago, Ill. Combined expander and oil check for piston rings. 2,614,010, Oct. 14.

Slyk, Stanley S., assignor of one-half to F. J. and E. Spencer, Chicago, Ill. Shaker-dispenser. 2,614,734, Oct. 21.

Small, Alexander, Virginia Water, England. Device for brewing or infusing tea or other beverages. 2,615,385, Oct. 28.

Small, Adrian C.: *See*—
Kantor, James, Rosenberg, and Small.

Small, Augustus B.: *See*—
Kolfenbach, John J., and Small.

Small, Douglas M.: *See*—
Vigneault, Oswald R., and Small.

Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Apparatus for treating shoe soles. 2,582,464, Jan. 15.

Small, Edward F., Newton, Mass. Fishing reel. 2,613,882, Oct. 14.

Small, Frederick B., Waterloo, assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Power actuator with pilot control. 2,585,507, Feb. 12.

Small, Frederick T., Cumberland, R. T. Armstrong, Mount Savage, and J. R. Shoup, Cresaptown, Md., assignors to Celanese Corporation of America. Spinning. 2,588,583, Mar. 11.

Small, Frederick T., assignor to Celanese Corporation of America, New York, N. Y. Spinning artificial filamentary materials. 2,588,584, Mar. 11.

Small, Hervey W., Dubois, Idaho. Lever actuated pivoted outer jaw wrench with pivoted rack catch. 2,612,808, Oct. 7.

Small, Ian H., and W. W. Loman, assignors to Eli Lilly and Company, Indianapolis, Ind. Mechanism for transporting loads. 2,605,912, Aug. 5.

Small, Jack, and L. Brody, Bronx, N. Y. Mattress cover. 2,585,861, Feb. 12.

Small, Louis, Detroit, assignor to Service Diamond Tool Company, Ferndale, Mich. Diamond tool. 2,581,609, Jan. 8.

Small, William O., Towson, Md., assignor to Standard Oil Development Company. Floating liquid-liquid separator. 2,608,300, Aug. 26.

Smallbeck, Verner H.: *See*—
Haertel, Walter G., Oliver, and Smallbeck.

Smallegan, Marvin L., assignor to Automatic Poultry Feeder Company, Zeeland, Mich. Poultry feeder. 2,581,725, Jan. 8.

Smalley Manufacturing Company, assignee: *See*—
Delsman, Quirin C., and Surfus.

Smalley, Oliver, Larchmont, N. Y. Desulfurizing iron and steel with metal hydrides. 2,604,393, July 22.

Smallman, I., and Sons Company, assignee: *See*—
Smallman, Samuel J.

Smallman, Samuel J., Passaic, N. J., assignor to I. Smallman and Sons Company, New York, N. Y. Billfold with intermittently reinforced edge. 2,611,410, Sept. 23.

Smallpeice, Cosby D. P., Swanwick Shore, near Southampton, England. Trolely. 2,611,326, Sept. 23.

Smallpeice, Cosby D. P., Swanwick Shore, near Southampton, England. Manually adjustable pressure regulator. 2,614,538, Oct. 21.

Smallshaw, Francis E., assignor to Ashton Brothers & Company Limited, Hyde, England. Traverse mechanism of spinning machines. 2,584,237, Feb. 5.

Smart, Ernest, Oadby, near Leicester, assignor to G. H. Palmer Limited, Anstey, England. Conveyer apparatus. 2,622,541, Dec. 23.

Smart, Gerald R., Brighton, assignor to John Thompson Beacon Windows Limited, Wolverhampton, England. Sliding window structure. 2,597,539, May 20.

Smathers, Henry, Charleston, S. C. Coin wrapping device. 2,608,810, Sept. 2.

Smathers, Henry A., Charleston, S. C. Coin wrapping device. 2,620,109, Dec. 2.

Smathers, James F., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Automatic cutoff switch for typewriters. 2,602,529, July 8.

Smathers, Lawrence S., Leeper, Pa. Water-pressure bearing. 2,586,269, Feb. 19.

Smayda, Eugene J., Jr., University Heights, Ohio. Cabinet construction. 2,587,396, Feb. 26.

Smedes, George F., Passaic, assignor of one-half to R. B. and G. W. Phillips, partners, trading as Phillips Brothers, Wallington, N. J. Fluid ejector system and valve therefor. 2,605,708, Aug. 5.

Smeds, Roy W., Reedley, Calif. Automatic vineyard cultivator. 2,583,897, Jan. 29.

Smedslund, Tor Halfdan, Helsingfors, Finland, assignor to Aktiebolaget Centrallaboratorium, Helsinki. Production of dimethyl sulfoxide. 2,581,050, Jan. 1.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,580,615, Jan. 1.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,581,974, Jan. 8.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Filter shaker for suction cleaners. 2,585,508, Feb. 12.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,605,857, Aug. 5.

Smeltz, Harry H., Baden, Pa. Fishmouth holding tool. 2,595,989, May 6.

Smereck, Arthur, assignor to Product Development Engineering Research and Promotion Corporation, Detroit, Mich. Ash tray and support. 2,617,428, Nov. 11.

Smereck, Arthur, assignor to Product Development Engineering Research and Promotion Corporation, Detroit, Mich. Cigar and cigarette holder. 2,617,429, Nov. 11.

Smetana, Frank F.: *See*—
Lyon, Richard N., Bankoff, and Smetana.

Smetana, Otto F., Concord, N. C., assignor to Karl Lieberknecht, Inc., Reading, Pa. Needle press mechanism for straight knitting machines. 2,581,307, Jan. 1.

Smida, Luverne R., assignor to W. W. Young, an individual doing business under the fictitious name and style of W. W. Young Co., Stockton, Calif. Buckle link applying machine for bale straps. 2,612,203, Sept. 30.

Smidth, F. L., & Co., assignee: *See*—
Ahlmann, Nikolai.
Heilmann, Thorbjorn.
Johansen, Jens.
Moller, Poul.
Petersen, Louis S.
Sylvest, Karl J., and Jensen.

Smidth, F. S., & Co., assignee: *See*—
Eisner, Johannes.

Smila, Wallace H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Overload release coupling. 2,595,818, May 6.

Smiley, Eldridge H., Rosemead, and F. K. Storm, Jr., Los Angeles, assignors, by mesne assignments, to Kold-Krisp Apple Service, Van Nuys, Calif. Apple vending machine. 2,604,371, July 22.

Smirl, Richard L., La Grange, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,620,685, Dec. 9.

Smit, Eltje: *See*—
Van Loon, Christiaan, Smit, and van Alkemade.

Smit, J. K., & Sons, Inc., assignee: *See*—
Koebel, Frank E., and Olivieri.

Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.

Smith, A. O., Corporation, assignee: *See*—
Andrus, Orrin E.
Burklin, Adolf J.
Granberg, Neil B.
Gruetjen, Frederick A.
Heath, William C.
Keating, Leonard M.
Kroll, John A., and Smith.
Malke, Sven.
Malmsten, Philip C.
Postlewaite, William R.
Schmitz, Ewald, and Weber.
Thompson, George G., and Vail.
Tiedemann, Julius B.
Uecker, Otto E.
Uhri, William C.
Yost, Lloyd.
Zerbe, Frederick K.

Smith, Adam B., Edmonton, Alberta, Canada. Fruit juice extractor. 2,622,644, Dec. 23.

Smith, Albert C., and H. Hagen, Wilkes-Barre, Pa., assignors to Schock, Gusmer & Co. Inc., Hoboken, N. J. Timer for barrel washing machines. 2,614,239, Oct. 14.

Smith, Albert P., Ava, assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo. Drive mechanism for circular saws. 2,590,898, Apr. 1.

Smith, Albert P., Ava, assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo. Portable rim-driven circular saw. 2,599,495, June 3.

Smith, Albert W., Kenmore, N. Y., assignor, by mesne assignments, to Pressed Steel Car Company, Inc. Chain. 2,586,268, Feb. 19.

Smith, Alfred P.: *See*—
Smith, Chadwick P. and A. P.

Smith, Allan K.: *See*—
Babcock, Glen E., Johnsen, and Smith.

Smith, Allen E., Oxford, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Allylated trimethylene trisulfones. 2,591,020, Apr. 1.

Smith, Alonzo L., Houston, Tex. Drilling barge. 2,589,153, Mar. 11.

Smith, Alvin R.: *See*—
Browder, John G., and Smith.

Smith, Andrew G., Detroit, Mich. Soap holding and lathering sponge. 2,588,773, Mar. 11.

Smith, Andrew H., Glendale, Calif. Nutcracker. 2,622,643, Dec. 23.

Smith, Andrew I., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Fractionation of dibasic acids. 2,592,964, Apr. 15.

Smith, Archibald D., Jr.: *See*—
Busignies, Henri G., and Smith.

Smith, Archie E., Stratford, Conn., assignor to General Electric Company. Screen supported paper bag for tank cleaners. 2,591,382, Apr. 1.

Smith, Arthur C., Arlington, Va., assignor of one-half to L. T. Harris, Bethesda, Md. Loader for camera film holders. 2,587,238, Feb. 26.

Smith, Arthur C., Arlington, Va., assignor of one-half to L. T. Harris, Bethesda, Md. Wallpaper affixing device. 2,607,507, Aug. 19.

Smith, Arthur D., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Article handler. 2,586,874, Feb. 26.

Smith, Arthur D., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation. Electric melting furnace. 2,589,301, Mar. 18.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,605,767, Aug. 5.

Smith, Arthur F.: *See*—
Carroll, Fred M., and Smith.

Smith, Arthur J., Cleveland, Ohio. Door or window frame. 2,586,102, Feb. 19.

Smith, Arthur L. J., Lancaster, Pa., assignor to Radio Corporation of America. Making titanium activated calcium magnesium silicate phosphor. 2,589,513, Mar. 18.

Smith, Arthur L. J., Lancaster, Pa., assignor to Radio Corporation of America. Zinc sulfide type phosphors containing magnesium sulfide. 2,614,082, Oct. 14.

Smith, Arthur P., assignee: *See*—
Monkres, Omey M.

Smith, Arthur R.: *See*—
Lee, George A., Smith, and Hopkins.

Smith Bearing Company, Inc., The, assignee: *See*—
Maas, Leonhard A.

Smith, Benjamin H., Bloomfield, N. J. Oscillatory motor device. 2,601,174, June 17.

Smith, Benjamin H., and G. W. Rosenberger, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pressure measuring apparatus. 2,586,393, Feb. 19.

Smith, Benjamin J., St. Louis County, Mo. Kneeling pad and making the same. 2,606,598, Aug. 12.

Smith, Bernard E., assignee: *See*—
Wende, Hermann.

Smith, Bernard O.: *See*—
Carlisle, Samuel S., and Smith.

Smith, Bert: *See*—
Burnett, John L., and Smith.

Smith, Bert, assignor to G. Stibbe & Co. Limited, Leicester England. Lubricating arrangement for machines and mechanisms. 2,582,172, Jan. 8.

Smith, Bertha B., South Orange, N. J. Dust tight casing for cleaning dust mops. 2,619,664, Dec. 2.

Smith, Birt Z., Klamath Falls, Oreg. Combination cigarette holder and ash tray. 2,598,845, June 3.

Smith Cannery Machines Company, assignee: *See*—
Fonken, William A., and Auer.
Oates, Norford L.

Smith, Carl F.: *See*—
Nadeau, Gale F., Starck, and Smith.

Smith, Carl M.: *See*—
Randall, David I., and Smith.

Smith, Carl T.: *See*—
Widmer, John H., and Smith.

Smith, Cecil H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Discharge valve and nozzle for pressurized fire extinguishers. 2,620,881, Dec. 9.

Smith, Cecil W., assignor of one-half to C. C. Lockwood, Brownwood, Tex. Automatic feeler means to detect crown feeding failures. 2,616,541, Nov. 4.

Smith, Chadwick P. and A. P., Charlotte, N. C. Thread guide for creels. 2,588,053, Mar. 4.

Smith, Charles A., Bronson, Mich. Fishing reel. 2,582,289, Jan. 15.

Smith, Charles B., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Centrifugal diffuser. 2,615,301, Oct. 28.

Smith, Charles F.: *See*—
Landers, Thomas P., and Smith.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,595,716, May 6.

Smith, Charles H., Great Malvern, H. G. Booker, Cambridge, and P. M. Woodward, Great Malvern, England. Aerial system. 2,580,965, Jan. 1.

Smith, Charles J., and F. J. Thoms, assignors to Ford Motor Company, Dearborn, Mich. Engine mount. 2,588,171, Mar. 4.

Smith, Charles O., Kansas City, Mo. Artificial fishing bait. 2,588,300, Mar. 4.

Smith, Charles R., Chicago, Ill. Automobile turning and supporting carriage. 2,583,714, Jan. 29.

Smith, Charles R., Chicago, Ill. Traversing hoist. 2,591,974, Apr. 8.

Smith, Charles S.: *See*—
Rowand, Will H., and Smith.

Smith, Charles V., Seattle, Wash., assignor to G. D. Runnels. Vaporizer. 2,597,195, May 20.

Smith, Charles V., assignor to The Charles C. Cullen Co. Inc., Seattle, Wash. Locking knee joint for artificial limbs and orthopedic braces. 2,594,227, Apr. 22.

Smith, Charles W., Glenside, Pa. Diagnostic pressure application instrument. 2,619,599, Nov. 25.

Smith, Charles W., Plainfield, N. J., assignor to Standard Oil Development Company. Operating liquid reflux systems in fractional distillation. 2,581,051, Jan. 1.

Smith, Charlie W., Little Rock, Ark. Self-adjusting fire nozzle. 2,585,509, Feb. 12.

Smith, Chester W., assignor to Detrex Corporation, Detroit, Mich. Cleaning and rustproofing composition. 2,587,777, Mar. 4.

Smith, Christopher B., Naphill, assignor to Broom and Wade Limited, High Wycombe, England. Unloader for sleeve valve gas compressors. 2,594,815, Apr. 29.

Smith, Clarence C.: *See*—
Sauer, George, and Smith.

Smith, Clarence C., Flushing, N. Y., assignor of one-half to E. F. Hartley, Onancock, Va. Lens coupled range finder for cameras. 2,584,818, Feb. 5.

Smith, Clarence E., assignor to Graflex, Inc., Rochester, N. Y. Film winding control for cameras. 2,588,054, Mar. 4.

Smith, Clarence J.: *See*—
Peterson, Gustaf J., and Smith.

Smith, Clay M., Orcutt, Calif. Snap type connector for electrical wires. 2,587,239, Feb. 26.

Smith, Clifton E.: *See*—
Bacon, Leslie R., Smith, and Vaughn.

Smith, Cloyd D., Pacific Palisades, assignor to Ball Renu, Inc., Los Angeles, Calif. Ball initialing machine. 2,593,212, Apr. 15.

Smith, Clyde, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Photoelectric sorting device. 2,592,202, Apr. 8.

Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding system. 2,597,959, May 27.

Smith, Clyde J., assignee: *See*—
Wemp, Ernest E.

Smith, Clyde V., Los Angeles, Calif. Multiple garment rack. 2,593,356, Apr. 15.

Smith, Colburn J., Lemoore, Calif. Composition for alleviation of the tobacco habit. 2,600,700, June 17.

Smith, Curtiss F.: *See*—
Le Febvre, Alfred L., Smith, and Groskritz.

Smith, Curtis W., Berkeley, Calif. Substituted pentanediols and derivatives thereof. 2,600,275, June 10.

Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Tetrahydropyranyl ethers. 2,619,491, Nov. 25.

Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Nitro aldehydes and preparation thereof. 2,623,904, Dec. 30.

Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,589,154, Mar. 11.

Smith, Daniel: *See*—
Dolton, Dorothy M., and Smith.

Smith, Darrell W., Odessa, Tex. Washing and drying machine. 2,591,209, Apr. 1.

Smith, David A. D.: *See*—
Engelhardt, Robert H., and Smith.

Smith, David C., Chicago, Ill. Clothespin. 2,583,020, Jan. 22.

Smith, David P., Meriden, Conn. Table supported surgical retractor. 2,586,488, Feb. 19.

Smith, David P., Meriden, Conn. Table supported abdominal retractor. 2,594,086, Apr. 22.

Smith, David P., Meriden, Conn. Suturing device. 2,601,564, June 24.

Smith, Dennis W., assignor to Colborne Manufacturing Company, Chicago, Ill. Pie plate depositor. 2,595,013, Apr. 29.

Smith, Dick A.: *See*—
Purviance, Billy J., and Smith.

Smith, Donald H., Fairfax County, Va. Piston construction for internal-combustion engines. 2,600,440, June 17.

Smith, Donald P., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Industrial washing machine embodying fluid spraying apparatus. 2,597,132, May 20.

Smith, Drum and Company, assignee: *See*—
Drum, Harry S., and Hopkins.
Hopkins, Alfred, Drum, and Patton.

Smith, Earl W., Fresno, Calif., assignor of one-half to L. Dopyera, Jackson, Wyo. Vehicle braking apparatus. 2,605,880, Aug. 5.

Smith, Earle J., Midland Township, Midland County, assignor to Dow Corning Corporation, Midland, Mich. Siloxane resins. 2,605,194, July 29.

Smith, Earle K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Indirectly heated cathode structure. 2,605,432, July 29.

Smith, Edgar G., Youngstown, Ohio. Currency denomination indicator. 2,614,162, Oct. 14.

Smith, Edmund G., Cedar Grove, and O. M. Cocchiarella, Newark, assignors to Equipment Development Co., Inc., Montclair, N. J. Quick-acting diaphragm operated gate valve. 2,601,231, June 24.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Drilling apparatus. 2,598,454, May 27.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Power hammer construction. 2,598,455, May 27.

Smith, Edward A., Lansing, Mich. Detachable dust mop construction. 2,587,913, Mar. 4.

Smith, Edward B., assignee: *See*—
Andrew, Carl L.

Smith, Edward F., assignor to The Wolf Machine Company, Cincinnati, Ohio. Cloth marking machine. 2,582,854, Jan. 15.

Smith, Edward P.: *See*—
Johnson, Malcolm S., and Smith.

Smith, Edward P., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading strap fastening means. 2,599,873, June 10.

Smith, Edward P., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Draft key retainer lock. 2,605,069, Aug. 5.

Smith, Edward P., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Gondola car top chord angle and lading tie anchor. 2,605,720, Aug. 5.

Smith, Edward P., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Draft key retainer adapter. 2,605,908, Aug. 5.

Smith, Edward P., Winnetka, and M. S. Johnson, assignors to Illinois Railway Equipment Company, Chicago, Ill. Lading tie fastener. 2,605,719, Aug. 5.

Smith, Edward S., Jr.: *See*—
Smith, Millard F., and E. S. Smith, Jr.

Smith, Edward W., Melrose Highlands, assignor to L. S. Adams Engineering, Inc., Boston, Mass. Torsionally oscillating rotating roll. 2,604,503, July 22.

Smith, Edward W., Melrose Highlands, Mass. Doffer comb. 2,604,669, July 29.

Smith, Edwin K., Jr., New York, N. Y., assignor, by mesne assignments, to The de Florez Company, Inc. Folding and gathering means for books. 2,613,077, Oct. 7.

Smith, Edwin K., Jr., New York, and C. W. Buckley, Mount Vernon, N. Y., assignors, by mesne assignments, to The de Florez Company, Inc. Apparatus for gluing-off and end sheet pasting. 2,613,375, Oct. 14.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Power-operated mechanism for moving a tool slide and tool slide carriage. 2,584,629, Feb. 5.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Double grip collet-type chuck. 2,585,310, Feb. 12.

Smith, Edwin R., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Intermittent and proportionate pattern control mechanism for machine tools. 2,594,694, Apr. 29.

Smith, Ellis B., and L. D. Mowrey, Wichita Falls, Tex.; said Smith assignor to said Mowrey. Pump. 2,591,101, Apr. 1.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Flashback arrester. 2,609,281, Sept. 2.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Pressure-operated antibackflow device for cutting torches. 2,611,424, Sept. 23.

Smith & Enander, assignee: *See*—
Enander, Arthur G.

Smith Engineering Works, assignee: *See*—
Rumpel, Harvey H.

Smith, Erasmus D.: *See*—
Lee, William H., and Smith.

Smith, Ernest E., and F. A. Manning, Mentone, Victoria, Australia. Frame suspension arrangement for vehicles. 2,606,019, Aug. 5.

Smith, Ernest F., Richmond Hill, N. Y., assignor to American Machine and Foundry Company. Self-leveling cantilever shelf assembly. 2,604,996, July 29.

Smith, Esmond W., Beechcroft, Chislehurst, England, assignor to Canada Wire and Cable Company Limited, Leaside, Ontario, Canada. Electrical communication cable. 2,623,093, Dec. 23.

Smith, Ethel M., executrix, assignee: *See*—
Prokop, Leslie J., and Smith.

Smith, Ethmer L., Rock Island, Ill. Tray cover. 2,585,180, Feb. 12.

Smith Filter Corporation, assignee: *See*—
Smith, Glenn O.

Smith, Forrest E., Signal Mountain, Tenn. Dipper tooth construction. 2,603,009, July 15.

Smith, Francis H., Scarborough, England. Interference microscope. 2,601,175, June 17.

Smith, Francis J., Ralston, Nebr. Window frame. 2,607,453, Aug. 19.

Smith, Frank E., Niagara Falls, N. Y. Alternating current rectifier. 2,594,594, Apr. 29.

Smith, Frank E., and H. B. Williams, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrolytic cell. 2,592,483, Apr. 8.

Smith, Frank H., assignor of one-half to J. H. Mitchell, Los Angeles, Calif. Hydraulic steering system. 2,608,060, Aug. 26.

Smith, Frank J., assignee: *See*—
Huelsdonk, William A.

Smith, Frank P., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio. High-frequency jig. 2,586,574, Feb. 19.

Smith, Frank R., Orange, Tex. Garment receiving bracket or hanger. 2,594,228, Apr. 22.

Smith, Frank W., Adair Village, Oreg. Computing device. 2,592,965, Apr. 15.

Smith, Franklin S., Hamden, Conn. Centrifugal impact miller for cereals. 2,582,509, Jan. 15.

Smith, Frederic W., De Land, Fla. Magnetic steering control. 2,598,142, May 27.

Smith, Frederick E.: *See*—
Schram, Orland L. R., and Smith.

Smith, Frederick H., Philadelphia, Pa., assignor to The Sharples Corporation. Centrifugal separator. 2,622,794, Dec. 23.

Smith, Frederick H., Wyncote, Pa., assignor to The Sharples Corporation. Hollow circular article and making same. 2,594,693, Apr. 29.

Smith, Frederick M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of polycyclic aromatic compounds. 2,623,912, Dec. 30.

Smith, Frederick U., Chestertown, Md. Rat and mouse exterminator. 2,587,397, Feb. 26.

Smith, Fredrick M.: *See*—
Morris, Lloyd C., and Smith.

Smith, George D., Toledo, Ohio. Supplementary fixture support. 2,612,273, Sept. 30.

Smith, George E. P., Jr.: *See*—
Albert, Harry E., and Smith.
Cook, Wendell S., and Smith.
Kitchen, Leland J., and Smith.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Antiflex-cracking agents in rubber. 2,581,906, Jan. 8.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making stannous salts of polyhydroxy aromatic compounds. 2,581,913, Jan. 8.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tetrahydrobenzothinzole sulfenamides. 2,581,932, Jan. 8.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous alkylcatecholates. 2,581,940, Jan. 8.

Smith, George E. P., Jr., and H. E. Albert, assignors to The Firestone Tire & Rubber Compnay, Akron, Ohio. Rubbery diolefinic polymers containing as antioxidant a mixture of antimony oxide and a 2,4,6 trihydrocarbon substituted phenol. 2,581,907, Jan. 8.

Smith, George E. P., Jr., and H. E. Albert, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubbers. 2,581,924, Jan. 8.

Smith, George H.: *See*—
Cossey, John C. G., and Smith.

Smith, George L. L., Dallas, Tex. Tractor lug. 2,610,898. Sept. 16.

Smith, George M.: *See*—
Kroll, John A., and Smith.

Smith, George O., assignor to Philco Corporation, Philadelphia, Pa. Capacitor microphonic testing apparatus. 2,608,091, Aug. 26.

Smith, George S. *See*—
Hunt, William H., and Smith.

Smith, George T., Santa Barbara, and L. H. Munding, Jr., Maricopa, Calif., assignors, by mesne assignments, to F. Hornkohl. Chemical cap for radiators. 2,580,856. Jan. 1.

Smith, Gerard V., assignee: *See*—
Thompson, Ralph L.

Smith, Gilbert B. L., and M. W. Leeds, Brooklyn, assignors to Polytechnic Institute of Brooklyn, Kings County, N. Y. Electrochemical process. 2,589,635, Mar. 18.

Smith, Glenn O., assignor to Smith Filter Corporation, Moline, Ill. Multiple sheet expanded metal air filter. 2,602,521, July 8.

Smith, Gordon N., Portland, assignor to Sawyer's Inc., Progress, Oreg. Lighting attachment for stereoscopic viewers. 2,604,814, July 29.

Smith, H. V., assignee: *See*—
Smith, Harold C.

Smith, H. V., Company, assignee: *See*—
Smith, Harold C.

Smith, Hale G., Rockville Centre, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Reversible winder for strip film. 2,621,864, Dec. 16.

Smith, Harold C., Minneapolis, assignor to H. V. Smith, St. Paul, Minn., doing business as H. V. Smith Company. Scent disseminator. 2,613,989, Oct. 14.

Smith, Harold E., Lykens, Pa. Light projector. 2,592,075. Apr. 8.

Smith, Harold F., assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Toilet seat sanitizer. 2,616,097, Nov. 4.

Smith, Harry, Detroit, Mich. Practice putting target. 2,582,290, Jan. 15.

Smith, Harry, assignor to Smith's Jacking Systems Limited, London, England. Lifting jack. 2,600,276. June 10.

Smith, Harry D., Philadelphia, Pa., assignor to Globe Hoist Company, Des Moines, Iowa. Closure and closure operator for vehicle hoists. 2,593,209, Apr. 15.

Smith, Harry E., Atlanta, Ga., assignor of one-third to J. C. Duttenhofer, Richmond, Va., and one-third to H. E. Hetzel, Atlanta, Ga. Cutting and slitting device. 2,597,540, May 20.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery Inc., Perrysville, Ohio. Inlet float valve for flush tanks. 2,582,853, Jan. 15.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush tank lever. 2,584,931, Feb. 5.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Close-coupled water closet. 2,590,471, Mar. 25.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery Inc., Perrysville, Ohio. Flush tank inlet valve. 2,598,195, May 27.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Inlet valve for flush tanks. 2,607,364, Aug. 19.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush tank inlet valve. 2,609,830, Sept. 9.

Smith, Harry P., Jr.: *See*—
Gray, Landon R., and Smith.

Smith, Harvey J., assignor to Modern Metal Products Company, Greensboro, N. C. Portable table model ironing board. 2,617,213, Nov. 11.

Smith, Harvey J., assignor to Modern Metal Products Company, Greensboro, N. C. Can crushing mechanism. 2,619,150, Nov. 25.

Smith, Haywood C., and J. C. Petrea, assignors to Wright Machinery Company, Durham, N. C. Container feeding and filling mechanism. 2,619,273, Nov. 25.

Smith, Helen M., C. M. Burr, and J. K. Bishop, Sr., Kansas City, Mo. Coin-controlled racing game. 2,604,323, July 22.

Smith, Helmer E., Sheldon, Iowa. Hen's nest. 2,591,021, Apr. 1.

Smith, Henry L.: *See*—
Pipkin, Wilbur A., and Smith.

Smith, Herbert M.: *See*—
Brown, Charles E., and Smith.

Smith, Herman W., Highland Park, and C. C. Jackson, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Visor apparatus. 2,581,610, Jan. 8.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agent and mineral oil lubricant compositions containing the same. 2,593,496, Apr. 22.

Smith Herschel G., Wallingford, T. L. Cantrell, Lansdowne, and M. L. Hill, Boothwyn, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same.. 2,602,049, July 1.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents and mineral oil lubricant compositions containing the same. 2,603,600, July 15.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents and mineral oil lubricant compositions containing the same. 2,603,601, July 15.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents and mineral oil lubricant composition containing the same. 2,603,602, July 15.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Agents and mineral oil lubricant compositions containing the same. 2,603,603, July 15.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil compositions. 2,606,152, Aug. 5.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Phthalamidate substituted ortho phosphoric acids and their salts. 2,606,203, Aug. 5.

Smith, Homer E., Northumberland, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio apparatus. 2,594,085, Apr. 22.

Smith, Homer E., and W. B. Beuhler, Indianapolis, Ind. Chair with self-adjusting back. 2,604,145, July 22.

Smith, Horace G., assignor of one-half to H. W. Martin, Wichita Falls, Tex. Building structure. 2,603,171. July 15.

Smith, Howard, Alliance, Nebr. Windshield wiper with air and water supply. 2,622,261, Dec. 23.

Smith, Howard A.: *See*
Davenport, William F., and Smith.

Smith, Howard A., Chicago, Ill. Weatherproofing. 2,595,419, May 6.

Smith, Howard C., assignor to American Pop Corn Company, Sioux City, Iowa. Preparing corn for popping. 2,614,044, Oct. 14.

Smith, Howard E., Monroe, Mich. Colostomy guard. 2,593,210, Apr. 15.

Smith, Howard E., Monroe, Mich. Colostomy container guard. 2,593,211, Apr. 15.

Smith, Howard E., Monroe, Mich. Hospital colostomy guard. 2,604,096, July 22.

Smith, Howard J., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Controlling and indicating device. 2,581,308, Jan. 1.

Smith, Howard J., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Camera. 2,608,920, Sept. 2.

Smith, Howard O., Des Moines, Iowa. Shooting garment. 2,589,636. Mar. 18.

Smith, Howard O., Des Moines, Iowa. Gun sling securing device. 2,598,143, May 27.

Smith, Howard, Paper Mills Limited, assignee: *See*—
Raff, Rudolf A. V., and Tomlinson.
Tomlinson, George H. and G. H., II.

Smith, Irvine G., Lancaster, Ohio. Carrier for folding chairs. 2,621,943, Dec. 16.

Smith, Isabella: *See*—
Hunt, William H., and Smith.

Smith, Isidore P., Maumee, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Combined metallic and fabric awning structure. 2,581,726, Jan. 8.

Smith, James A., North Hollywood, Calif. Fountain pen. 2,602,423, July 8.

Smith, James B.: *See*—
Holland, Ernest O., and Smith.

Smith, James D.: *See*—
Markert, John E., Russell, and Smith.

Smith, James E., assignee: *See*—
Granberg, Albert J.

Smith, James E., Pasadena, Tex. Well drilling pipe. 2,610,028, Sept. 9.

Smith, James F.: *See*—
Lynch, Harold F., and Smith.

Smith, James H.: *See*—
Drapeau, Joseph E., Jr., Smith, and Halsted.

Smith, James J.: *See*—
Hartig, Walter, and Smith.

Smith, James M., Jr.: *See*—
Germann, Richard P., Hultquist, and Smith.
Hultquist, Martin E., and Smith.

Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. N-(2-thiazolyl)-2-hydroxypyridine-5-sulfonamides. 2,611,770, Sept. 23.

Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Halogenated olefin pyridine derivatives. 2,616,890, Nov. 4.

Smith, James R., and G. U. Dinneen, Laramie, Wyo., assignors to the United States of America as represented by the Secretary of the Interior. Refining of shale oil. 2,606,143, Aug. 5.

Smith, James S.: *See*—
Hutchinson, Clyde A., Jr., and Smith.

Smith, James V., Great Barr, Birmingham, assignor to New Conveyor Company Limited, Birmingham, England. Conveyer control device. 2,621,775, Dec. 16.

Smith, Jane E., New London, Conn. Thimble. 2,610,776, Sept. 16.

Smith, Jay I., assignor to Toycraft Corporation, Chicago, Ill. Magnetically coupled toy train. 2,607,157, Aug. 19.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Adhering silicone rubber to copper. 2,601,336, June 24.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Improving the adhesion of organopolysiloxanes to solid surfaces. 2,601,337, June 24.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Expansion joint. 2,602,408, July 8.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Surface having low adhesion to ice. 2,617,269, Nov. 11.

Smith, John G., Bethesda, Md. Animal trap. 2,608,019, Aug. 26.

Smith, John J.: *See*—
Duncan, James E., and Smith.

Smith, John O., Jr.: *See*—
Howell, William C., Jr., Jones, and Smith.
Jones, Allen R., and Smith.
Putt, John W., Smith, and McLean.

Smith, John O., Jr., North Plainfield, and A. R. Jones, Roselle, N. J., assignors to Standard Oil Development Company. Treatment of hydrocarbon oils with an alkyl oxalate and an alkali alcoholate. 2,593,619, Apr. 22.

Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Signal conversion system. 2,587,005, Feb. 26.

Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Signal conversion system. 2,587,006, Feb. 26.

Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Electronic delay system. 2,599,206, June 3.

Smith, John P., Jr.: *See*—
Naef, Alfred H., and Smith.

Smith, John S., Jr.: *See*—
Sams, Herbert W., and Smith.

Smith, John W.: *See*—
Hester, Frank A., and Smith.

Smith, John W., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Transfer conveyer system for article wrapping machines. 2,614,683. Oct. 21.

Smith, John W., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Conveyer mechanism for wrapping machines and the like. 2,620,608. Dec. 9.

Smith, John W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Timing circuit. 2,622,195, Dec. 16.

Smith, John W., Norristown, assignor to Philadelphia Air Transport Company, Conshohocken, Pa. Film treating tank with hydraulically driven film spools. 2,586,444. Feb. 19.

Smith, John W., assignor to Philadelphia Air Transport Company, Norristown, Pa. Film leader. 2,602,974. July 15.

Smith, Jopling P.: *See*—
Volpin, Alexander S., and Smith.

Smith, Joseph A., New York, N. Y. Foldable smoking pipe. 2,601,857, July 1.

Smith, Joseph E., Bay Pines, Fla. Buckle. 2,603,847, July 22.

Smith, Joseph W., Cambridge, Mass. Citrus fruit utensil. 2,591,973, Apr. 8.

Smith, Justin L., Watertown, Conn., and L. H. Eriksen, Oslo, Norway, assignors to Seymour Smith & Son, Inc., Oakville, Conn. Snap lock pliers with unlocking lever. 2,598,650, May 27.

Smith, Kenneth, Lenexa, Kans. Golf club scale. 2,595,717, May 6.

Smith, Kenneth F., assignor to Neon Products Inc., Lima, Ohio. Arrangement for supporting a string of elongated tubular lamps on a supporting cable. 2,606,278, Aug. 5.

Smith, Kenneth F., assignor to Neon Products Inc., Lima, Ohio. Support for illuminated globe used on gasoline pumps. 2,614,207, Oct. 14.

Smith, Kenneth M.: *See*—
Paine, Louis A., and Smith.

Smith, Kline & French Laboratories, assignee: *See*—
Aschner, Thomas C.
Aschner, Thomas C., and Meyer.
Craig, Paul N.
Hall, Claude C., Hompe, and Martell.
Heming, Arthur E.
Kerwin, James F., and Ullyot.
Ullyot, Glenn E.

Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—
Avery, Henry A., and Barkdoll.
Barkdoll, Joseph P.

Smith, Laurence H., Oakland, Calif. Olive stuffing machine. 2,609,853, Sept. 9.

Smith, Lawrence J., Oak Park, assignor to Bell & Gossett Company, Morton Grove, Ill. Heating system. 2,596,300, May 13.

Smith, Lawrence J., Oak Park, assignor to Bell & Gossett Company, Morton Grove, Ill. Firing unit control for heating systems. 2,621,856, Dec. 16.

Smith, Lawrence M.: *See*—
Booth, George P., and Smith.

Smith, Leah K., assignee: *See*—
Wemp, Ernest E.

Smith, Lee B.: *See*—
Calfee, John D., and Smith.

Smith, Leon A., assignor to The Shelby Cycle Company, Shelby, Ohio. Safety shock absorber for front fork structure of bicycles. 2,590,050, Mar. 18.

Smith, Leon G.: *See*—
Block, Harold L., and Smith.

Smith, Le Roy A.: *See*—
Unger, Earl D., Smith, and Willkie.

Smith, Le Roy J., assignor of one-half to G. Cline, Detroit, Mich. Bottle seal cutter. 2,589,742. Mar. 18.

Smith, Lester H., Maplewood, N. J. Vapor phase electrochemical process. 2,583,898, Jan. 29.

Smith, Lester H., Maplewood, N. J. Electrochemical process. 2,583,899, Jan. 29.

Smith, Lester W. and L. W., Jr., Corpus Christi, Tex. Hydrostatic pulling tool for wells. 2,595,014. Apr. 29.

Smith, Lester W., Jr.: *See*—
Smith, Lester W. and L. W., Jr.

Smith, Lloyd P.: *See*—
Kurshan, Jerome, and Smith.

Smith, Lloyd P., Ithaca, N. Y., assignor to Radio Corporation of America. Frequency modulation of electron discharge devices. 2,615,156, Oct. 21.

Smith, Lowell J.: *See*—
Friend, Dawson, and Smith.

Smith, Lowell J., and D. Friend, assignors to Stant Manufacturing Company, Connersville, Ind. Pressure vacuum relief radiator cap. 2,582,209, Jan. 8.

Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Handling pipes or conduits. 2,580,471. Jan. 1.

Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Hay fork. 2,586,875, Feb. 26.

Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Solid esters and making same. 2,585,053, Feb. 12.

Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Vinyl resins plasticized with thricresyl phosphate and stabilized with barium ricinoleate. 2,595,310, May 6.

Smith, Marie P., Grand Rapids, Mich. Retracting hanger. 2,602,622, July 8.

Smith, Marion F.: *See*—
Pevey, Claude V., and Smith.

Smith, Marion O., and R. Elsheimer, Hoopeston, Ill., assignors to Food Machinery and Chemical Corporation. Container feed mechanism. 2,620,058, Dec. 2.

Smith, Maurice C., Redlands, Calif. Adjustable support for finger surgery. 2,612,891, Oct. 7.

Smith, Merle E., Des Moines, Iowa. Ball and socket coupling. 2,605,115, July 29.

Smith, Merritt E., and S. D. Berg, White Sulphur Springs, Mont. Coating and shaping dispenser for building tapes. 2,623,497, Dec. 30.

Smith, Merton, Cleveland, and L. A. Stewart, Brooklyn Village, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Ladder clamp. 2,615,667, Oct. 28.

Smith, Merton J., Cleveland, Ohio. Fluid pressure regulator. 2,609,832, Sept. 9.
Smith, Mike F., Biwabik, Minn. Oil can drain rack. 2,587,779, Mar. 4.
Smith, Millard F., and E. S. Smith, Jr., New York, N. Y. Indicating protective cover for pipe flanges and valves. 2,601,840, July 1.
Smith, Mina, Eugene, Oreg. Maintaining tension in seat covers. 2,601,890, July 1.
Smith, Moreton A., Bremerton, Wash. Power-driven tweezer. 2,592,484, Apr. 8.
Smith, Myron R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,604,267, July 22.
Smith, Myron T., trustee, assignee: *See*—
Scott, Hermon H.
Smith, Nathan L., Indian Head, Md. Trifluoromethyl phenothiazine. 2,587,660, Mar. 4.
Smith, Nathan L., Indian Head, Md. Benzophenothiazine nitriles. 2,587,661, Mar. 4.
Smith, Nathan L., Indian Head, Md. 3-isopropoxy phenothiazine. 2,587,662, Mar. 4.
Smith, Neal J.: *See*—
Babb, John J., and Smith.
Smith, Neil V., Los Angeles, Calif. Fluid pressure actuated tool driving and feeding equipment. 2,604,759, July 29.
Smith, Nelson R.: *See*—
Hemperly, William F., and Smith.
Smith, Nevin B., Hamburg, assignor to Landis Machine Company, Waynesboro, Pa. Work manipulating mechanism. 2,580,472, Jan. 1.
Smith, Noble C., deceased, Larkspur, Calif.; F. J. Keaton, special administrator, assignor to Yosemite Chemical Co. Preventing and removing accumulations of foreign materials. 2,603,226, July 15.
Smith, Norman, Fort Myers, Fla. Spray gun. 2,623,787, Dec. 30.
Smith, Norman, Fort Myers, Fla. Spray gun. 2,623,790, Dec. 30.
Smith, Norman A., Saugus, and K. L. Darrah, Lynnfield Center, Mass., assignors to General Electric Company. Planetary gear construction. 2,591,734, Apr. 8.
Smith, Norman H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting elastic fabric. 2,592,966, Apr. 15.
Smith, Norman H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Elastic top for hosiery. 2,598,144, May 27.
Smith, Norman S., Walled Lake, assignor to Dearborn Motors Corporation, Highland Park, Mich. Bucket tilting attachment for loaders. 2,619,244, Nov. 25.
Smith, Oliver R., Fort Worth, Tex. Pipe end finishing machine. 2,587,398, Feb. 26.
Smith, Oliver R., Forth Worth, Tex. Arc welding mechanism. 2,598,076, May 27.
Smith, Oliver R., Fort Worth, Tex. Mixing device. 2,600,932, June 17.
Smith, Oliver R., Forth Worth, Tex. Heating apparatus for the coating containing tanks of pipe conditioning machines. 2,606,549, Aug. 12.
Smith, Oliver R., Fort Worth, Tex. Radiant heat welding equipment. 2,611,848, Sept. 23.
Smith, Oliver R., Fort Worth, Tex. Continuous belt-like track. 2,618,516, Nov. 18.
Smith, Omar H., West Englewood, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubbery butadiene-styrene copolymers. 2,580,857, Jan. 1.
Smith, Orson P., assignor, by mesne assignments, to Smithway Machine Co., Inc., Seattle, Wash. Weighted feed roll for woodworking machines. 2,613,706, Oct. 14.
Smith, Orson P., assignor, by mesne assignments, to Smithway Machine Co., Inc., Seattle, Wash. Stretcher. 2,614,266, Oct. 21.
Smith, Otis L.: *See*—
Salter, William D., and Smith.
Smith, Otto J. M.: *See*—
Altar, William, and Smith.
Smith, Paul L.: *See*—
Del Mar, Bruce E., and Smith.
Smith, Paul N.: *See*—
Gregg, David D., and Smith.
Smith, Paul V., Jr.: *See*—
Carlson, Carl S., and Smith.
Morrell, Charles E., Carlson, and Smith.
Morway, Arnold J., and Smith.
Smith, Paul V., Jr., and L. A. Mikeska, Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Glycol esters of alkylmercapto-carboxylic acids. 2,601,063, June 17.
Smith, Paul V., Jr., Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Synthetic lubricants. 2,585,862, Feb. 12.
Smith, Paul V., Jr., Westfield, and A. J. Morway, Rahway, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,589,973, Mar. 18.
Smith, Philip A., Pelham Manor, N. Y., and L. Hopps, Darien, Conn., assignors to The Indiana Steel Products Company, Chicago, Ill. Fly rod reel. 2,598,846, June 3.
Smith, Prevost F., San Diego, Calif. Parachute apparatus. 2,610,008, Sept. 9.
Smith, Prevost F., San Diego, Calif. Parachute deploying means. 2,610,815, Sept. 16.
Smith, Ralph K., Rawson, Ohio. Distributor for dust and aggregate. 2,583,608, Jan. 29.
Smith, Raymond D., Chappaqua, N. Y. Inflatable head stay. 2,589,155, Mar. 11.
Smith, Raymond L., Arlington, Va. Typewriter keyboard. 2,587,778, Mar. 4.
Smith, Raymond L., Arlington, Va. Typewriter keyboard. 2,591,310, Apr. 1.
Smith, Richard C., Snyder, N. Y., assignor to Curtiss-Wright Corporation. Sequence control mechanism. 2,584,055, Jan. 29.
Smith, Richard E., Shaker Heights, Ohio, assignor to General Electric Company. Electric incandescent lamp. 2,597,681, May 20.
Smith, Robert C.: *See*—
Prokop, Leslie J., and Smith.
Smith, Robert E.: *See*—
Clements, James D. and G. H., and Smith.
Smith, Robert E., Bridgeport, Conn., assignor to General Electric Company. Momentary contact electric switch. 2,587,399, Feb. 26.
Smith, Robert E., Houston, Tex. Top insulator for motor vehicle bodies. 2,608,942, Sept. 2.
Smith, Robert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Brake. 2,609,892, Sept. 9.
Smith, Robert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Brake shoe adjusting and positioning means. 2,621,761, Dec. 16.
Smith, Robert F., Jr., and P. D. Dale, assignors to Eastman Kodak Company, Rochester, N. Y. Spring clip. 2,592,351, Apr. 8.
Smith, Robert L.: *See*—
Watson, Kenneth M., and Smith.
Smith, Robert L., Gorham, and C. M. Wiswell, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass. Heat-energizable adhesives and coated products and making same. 2,608,542, Aug. 26.
Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Band track. 2,596,919, May 13.
Smith, Robert W., Denver, and I. A. Spady, Littleton, Colo. Signal flare extension device. 2,620,763, Dec. 9.
Smith, Roland L., Belmont, Mass. Pouring spout. 2,621,831, Dec. 16.
Smith, Rolf M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,618,430, Nov. 18.
Smith, Rolland D., Euclid, and G. T. Turner, assignors to The Auto-Diesel Piston Ring Company, Cleveland, Ohio. Sealing means. 2,607,644, Aug. 19.
Smith, Roscoe S., Tuscaloosa, Ala., assignor to West Virginia Pulp & Paper Company, New York, N. Y. Purification of tall oil pitch. 2,591,885, Apr. 8.
Smith, Roy A., assignor to Cosmetics Research, New York, N. Y. Curl holding device. 2,601,861, July 1.
Smith, Roy A., and L. Pierce, Oklahoma City, Okla. Apparatus for pressurizing liquid and cleaning well holes therewith. 2,619,180, Nov. 25.
Smith, Royal, and H. B. Stoner, Aurora, and E. Parre, Batavia, assignors to Stoner Manufacturing Corporation, Aurora, Ill. Vending apparatus. 2,623,801, Dec. 30.
Smith, Russell F.: *See*—
Hollembeak, Ruluff A., Highley, and Smith.
Smith, Russell G., assignor to The William Powell Company, Cincinnati, Ohio. High-pressure sealed structure. 2,617,554, Nov. 11.
Smith, Russell J., Houghton, and R. J. Marcotte, Lake Linden, assignors to Square D. Company, Detroit, Mich. Silver solder alloy. 2,584,774, Feb. 5.
Smith, S., & Sons (England) Limited, assignee: *See*—
Bishop, Doris E.
Davis, Wilfred O.
Meredith, Frederick W.
Meredith, Frederick W., and Righton.
Milsom, Frederick R.
Russell, Victor J. S.
Smith, Samuel V., Long Beach, Calif. Pump jack valve control mechanism. 2,612,142, Sept. 30.
Smith, Scott V., Danville, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Apparatus for loading and selectively unloading. 2,617,527, Nov. 11.
Smith, Seymour, & Son, Inc., assignee: *See*—
Smith, Justin L., and Eriksen.
Smith, Sharrell E., Ashland, Ohio. Popcorn box with pouring spout. 2,617,581, Nov. 11.
Smith, Sherwood F., Gaithersburg, Md. Baled hay conveyer. 2,605,884, Aug. 5.
Smith, Sidney A., Solihull, Birmingham, assignor to James Beresford & Son Limited, Birmingham, England. Submersible electric motor. 2,600,277, June 10.
Smith, Sidney R., Jr.: *See*—
Lincks, George F., and Smith.
Smith, Spurgeon O., Columbus, Ohio. Artificial lure. 2,588,055, Mar. 4.
Smith, Stanley J., Ossining, N. Y. Capacitance type liquid quantity gauge. 2,582,399, Jan. 15.
Smith, Stanley J., Ossining, N. Y. Capacitance type liquid quantity gauge. 2,582,400, Jan. 15.

Smith, Stanley J., Ossining, N. Y. Capacitance type liquid quantity gauge. 2,601,176, June 17.
Smith, Stuart B., Chicago, Ill., assignor to Henry Pratt Company. Louver damper with pressure seal. 2,613,940, Oct. 14.
Smith, Talbot A., Baltimore, Md. Apparatus for removal of oil tank sludge and sediment. 2,612,998, Oct. 7.
Smith, Telford L., South San Francisco, Calif. Gasket. 2,616,736, Nov. 4.
Smith, Thad W.: *See*—
Githens, Otto W., Smith, and Whitaker.
Smith, Theodore C., Drexel Hill, Pa. Indicating device for closed tanks. 2,615,336, Oct. 28.
Smith, Thomas G., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Fire hose. 2,598,022, May 27.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Spring type clutch. 2,582,077, Jan. 8.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Snap-action relief valve. 2,585,863, Feb. 12.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Automatic washing machine. 2,588,774, Mar. 11.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Spring biased valve seat seal. 2,595,012, Apr. 29.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Overload release coupling. 2,604,764, July 29.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Overload release coupling. 2,604,765, July 29.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Washing machine provided with flexible seal. 2,605,628, Aug. 5.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Valve construction. 2,610,021, Sept. 9.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Balancing ring material consisting of solutions of polystyrene in tetrabromoethane. 2,613,197, Oct. 7.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Spring-actuated shaft seal. 2,614,869, Oct. 21.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. High-pressure valve seal. 2,621,011, Dec. 9.
Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Washing machine provided with self-cleaning filter. 2,621,505, Dec. 16.
Smith, Thomas R., assignor to Maytag Company, Newton, Iowa. Self-cleaning filter. 2,621,787, Dec. 16.
Smith, Thomas R., and D. P. Combs, assignors to The Maytag Company, Newton, Iowa. Washing machine provided with interlocking lid mounted vibration control means. 2,612,766, Oct. 7.
Smith, Truman E., Mohnton, assignor to American Safety Table Co., Inc., Reading, Pa. Brake release mechanism. 2,619,207, Nov. 25.
Smith, Victor G., assignor to Ex-Cell-O Corporation, Detroit, Mich. Coin actuated control mechanism. 2,604,966, July 29.
Smith, Vigo N.: *See*—
Jensen, Garold K., Russell, and Smith.
Smith, Vincent P., Corpus Christi, Tex. Electrically operated hair curler. 2,586,103, Feb. 19.
Smith, W. H., & Son Limited, assignee: *See*—
Evans, Albert.
Lanegan, Frederick E.
Lanegan, Frederick E., and Maguire.
Sexton, Francis G.
Smith, Wallace W., Eustis, Fla. Sectional barge. 2,605,733, Aug. 5.
Smith, Walter H., Eureka, Ill. Portable foldable chair. 2,587,543, Feb. 26.
Smith, Warren M., Baton Rouge, La., assignor to Standard Oil Development Company. Heat treating and distillation of oxo alcohols. 2,614,070, Oct. 14.
Smith, Warren M., and W. D. Luening, Baton Rouge, La., and S. C. Lane, Roselle, N. J., assignors to Standard Oil Development Company. Synthesis of oxygenated organic compounds. 2,596,920, May 13.
Smith Welding Equipment Corporation, assignee: *See*—
Smith, Elmer H.
Smith, Wendell V.: *See*—
Ewart, Roswell H., and Smith.
Smith, Wesley A., Ferndale, assignor to Tilt-A-Door Corporation, Detroit, Mich. Door mounting. 2,601,565, June 24.
Smith, Wilbert B., Ottawa, Ontario, Canada. Apparatus for analyzing a curve upon a chart. 2,610,542, Sept. 16.
Smith, Wilbert P. E., Thomaston, Conn. Ladder support. 2,605,037, July 29.
Smith, Wilbert P. E., Thomaston, Conn. Automatic engine cutoff for tractors. 2,613,756, Oct. 14.
Smith, Wilke W., Burbank, Calif. Ignition control and alarm system. 2,583,752, Jan. 29.
Smith, William A., Logansport, Ind., assignor to Logansport Machine Co., Inc. Self-locking chuck. 2,617,657, Nov. 11.
Smith, William A., Pittsburgh, Pa. Secondary battery. 2,588,170, Mar. 4.
Smith, William B., assignor of one-half to H. A. Gamble, Greenville, Miss. Cotton harvester spindle construction. 2,605,600, Aug. 5.
Smith, William B., assignor of one-half to H. A. Gamble, Greenville, Miss. Molestener for cotton-picking spindles. 2,616,237, Nov. 4.
Smith, William C., Brentwood, Md. Adjustable offset ladder. 2,587,659, Mar. 4.
Smith, William D.: *See*—
Simpson, Norman H., and Smith.
Smith, William E.: *See*—
Shaw, Clifford, Smith, and Emblem.
Smith, William E., Milltown, N. J. Filling mechanism for automatic weighing machinery. 2,581,562, Jan. 8.
Smith, William F.: *See*—
Shaw, Clifford, Smith, and Greensmith.
Stauffer, Robert E., and Smith.
Smith, William F., Minneapolis, Minn. Footwear identification plate. 2,616,189, Nov. 4.
Smith, William F., Wilmington, Del. Resilient closure for containers. 2,611,515, Sept. 23.
Smith, William F., Sr., Minneapolis, Minn. Steam locomotive injector attachment. 2,611,384, Sept. 23.
Smith, William H., East Molesey, England. Symmetrical flue boiler with central firebox and offset magazine. 2,591,627, Apr. 1.
Smith, William J., Point Piper, New South Wales, Australia, assignor to Industrial Developments Limited, Singapore. Making glass 2.587.914. Mar 4
Smith, William J., Jr., Bay Village, assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Rotary fuel feeder for flame ring burners. 2,592,612, Apr. 15.
Smith, William M., Glen Ellyn, assignor to Vapor Heating Corporation, Chicago, Ill. Low water alarm. 2,610,236, Sept. 9.
Smith, William M., Glen Ellyn, assignor to Vapor Heating Corporation, Chicago, Ill. Relay operated temperature responsive control system. 2,623,699, Dec. 30.
Smith, William M., Glen Ellyn, and D. A. Brosseau, assignors to Vapor Heating Corporation, Chicago, Ill. Method of and apparatus for pressurizing and sealing thermostat tubes. 2,622,779, Dec. 23.
Smith, William M., Wheaton, B. F. Freeberg, and A. W. Tharp, assignors to Vapor Heating Corporation, Chicago, Ill. Mercury column thermostatic switch. 2,596,825, May 13.
Smith, William O.: *See*—
Chu, Lan J., and Smith.
Smith, William O., Freeport, assignor of thirty-three per cent to E. R. Bennett, Brazoria County, Tex. Shrimp distributing machine. 2,589,580, Mar. 18.
Smith, William R.: *See*—
Finlayson, Albert, and Smith.
Glassmire, William F., and Smith.
Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Automatic puffing unit for toys. 2,610,437, Sept. 16.
Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Stack recharged puffing unit for toys. 2,610,438, Sept. 16.
Smith, William V.: *See*—
Burrill, Ernest A., and Smith.
Smith, William V., Greenville, Ill. Reel locator. 2,622,335, Dec. 23.
Smith, Willis E., Springfield, Oreg. Pneumatic hammering machine for cleaning rollers. 2,610,350, Sept. 16.
Smith, Willis E., Springfield, Oreg. Combined veneer clipper and trimmer. 2,616,501, Nov. 4.
Smith, Winthrope C.: *See*—
Baldwin, Francis P., and Smith.
Smith, Wolcott M., Springfield, Mass., assignor, by mesne assignments, to General Instrument Corporation, Elizabeth, N. J., Vacuum tube regulating apparatus. 2,584,748, Feb. 5.
Smitha, Ira B., assignee: *See*—
Guffey, Oliver J.
Smithe, F. L., Machine Co., Inc., assignee: *See*—
Novick, Abraham.
Smithisler, Raymond J., Kirtland Township, Lake County, assignor to The Chester Heater Manufacturing Co., Chesterland, Ohio. Pressure and vacuum relief valve. 2,605,779, Aug. 5.
Smith's Jacking Systems Limited, assignee: *See*—
Smith, Harry.
Smith's, John E., Sons Company, assignee: *See*—
Schaller, Harold E.
Smithson, James V., St. Louis, Mo. Filter paper holder. 2,589,156, Mar. 11.
Smithson, Gordon W.: *See*—
Makant, Joseph E., Smithson, and Wunschel.
Smithway Machine Co., Inc., assignee: *See*—
Smith, Orson P.
Smits, Christianus T., Borkel and Schaft, Netherlands. Potato planting machine. 2,617,557, Nov. 11.
Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., Rijswijk (Z. H.), Netherlands. Electrical ignition system. 2,584,507, Feb. 5.
Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., The Hague, Netherlands. Electrical ignition system. 2,587,780, Mar. 4.
Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., Rijswijk, Netherlands. Surface discharge spark plug. 2,592,754, Apr. 15.

Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., The Hague, Netherlands. Low-tension ignition spark plug for condenser discharge. 2,605,754, Aug. 5.

Smits, Wytze B., Voorburg, Netherlands. Apparatus for the ignition of explosive material in liquids. 2,623,921, Dec. 30.

Smitsvonk, N. V., assignee: *See*—
Smits, Wytze B.

Smitzer, Louis A., and H. D. Thompson, assignors to Ditto, Incorporated, Chicago, Ill. Moistening means for duplicators. 2,608,154, Aug. 26.

Smokador Manufacturing Co., Inc., assignee: *See*—
Mankki, Onnie.

Smoker, Isaac Z., Intercourse, Pa. Loading and unloading apparatus. 2,606,648, Aug. 12.

Smoker, Isaac Z., Intercourse, Pa. Portable elevating conveyer. 2,620,934, Dec. 9.

Smola, Paul J., Edwardsville, Ill. Grass catcher for lawn mowers. 2,595,420, May 6.

Smole, Jack F., Cleveland Heights, assignor, by mesne assignments, to Lempco Products, Inc., Bedford, Ohio. Honing tool. 2,596,961, May 13.

Smole, Jack F., Cleveland Heights, and J. F. Smole, Cleveland, assignors, by mesne assignments, to Lempco Products, Inc., Bedford, Ohio. Hone driving machine. 2,616,225, Nov. 4.

Smole, Joseph F.: *See*—
Smole, Jack F. and J. F.

Smolensky, Michael, Cleveland, Ohio. Pivoted valve apparatus. 2,588,775, Mar. 11.

Smolka, Robert, trustee: *See*—
Gentz, Donald F.

Smoot, Charles H., assignor to Republic Flow Meters Company, Chicago, Ill. Control system. 2,608,351, Aug. 26.

Smoot, John H., Darien, Conn., assignor to Becton Dickinson and Company, Rutherford, N. J. Injection device. 2,605,763, Aug. 5.

Smucker, Clayton A., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Mats of glass fibers interbonded with readily removable binder. 2,607,714, Aug. 19.

Smull, Judson G.: *See*—
Ullmann, Harry M., Smull, and Artim.

Smullen, Willard C., Decatur, Ill. Automobile table with folding seat hanger. 2,601,177, June 17.

Smullin, Louis D., Arlington, Mass., assignor to the United States of America, as represented by the Secretary of the Navy. Variable capacity cavity tuning. 2,600,278, June 10.

Smullin, Louis D., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Automatic frequency control circuit. 2,611,092, Sept. 16.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Wiper arm apparatus. 2,582,173, Jan. 8.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper apparatus. 2,583,126, Jan. 22.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper. 2,583,127, Jan. 22.

Smulski, Theodore J., Gary, Ind., assignor to The Anderson Company. Electrical indicating system. 2,615,085, Oct. 21.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper. 2,616,112, Nov. 4.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Container. 2,620,941, Dec. 9.

Smurlk, Joseph, New York, N. Y. Adjustable harp for electric light lamp shades. 2,593,704, Apr. 22.

Smurr, Harry M., Hanford, Calif. Wave motor assembly. 2,613,868, Oct. 14.

Smye, Arthur, London, England, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire-extinguishing apparatus. 2,586,575, Feb. 19.

Smyers, William H.: *See*—
Slotterbeck, Ober C., Smyers, and Young.

Smyers, William H., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating oil additives. 2,595,819, May 6.

Smyers, William H., Westfield, and D. W. Young, Roselle, N. J., assignors to The Dow Chemical Company, Midland, Mich. Styrene copolymer mixtures. 2,610,962, Sept. 16.

Smyser, Elmer D., Bakersfield, Calif. Automatic oiler. 2,586,104, Feb. 19.

Smyth, Charles N., Sidcup, England, assignor to International Standard Electric Corporation, New York, N. Y. Selection of predetermined interruption pulse for frame synchronization. 2,583,021, Jan. 22.

Smyth, George F., assignee: *See*—
Card, Kenneth F.

Smyth, Gordon R., Chicago, Ill., assignor to Haddon Products, Inc. Clock. 2,600,081, June 10.

Smyth, Harold T.: *See*—
Field, Theodore E., and Smyth.

Smyth, John B. S., assignor to The General Electric Company, Limited, London, England. Light-reflecting simmering shutter for high-pressure metal vapor lamps. 2,617,013, Nov. 4.

Smyth, William: *See*—
Steube, John W., and Smyth.

Smythe, Carl V., Moorestown, N. J., B. B. Drake, Philadelphia, and J. A. Miller, Ithan, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of pectinesterase. 2,599,531, June 10.

Smythe, Carl V., Moorestown, N. J., and C. E. Neubeck, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of pectinase-free diastase. 2,599,532, June 10.

Smythe, Carl V., Moorestown, N. J., and L. A. Robb, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of adenosinetriphosphoric acid and its salt. 2,606,899, Aug. 12.

Snaith, Thomas W., San Francisco, Calif. Combination duplex collapsible container and dispensing means. 2,589,743, Mar. 18.

Snap-On Tools Corporation, assignee: *See*—
Burdick, Clifford I.
Knudsen, Raymond G.
Walraven, George M., and Knudsen.

Snapps, Walter L., Neah Bay, Wash. Fishing sinker. 2,592,967, Apr. 15.

Snarck, Jack, Washington Heights, and H. Laster, Bronx, N. Y. Reel holder bracket and reel for embroidery machines. 2,580,966, Jan. 1.

Snavely, Clarence S., Churchill Borough, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electrical relay. 2,584,749, Feb. 5.

Snavely, Benjamin L.: *See*—
Brown, John, Snavely, and Atanasoff.

Snavely, Benjamin L., Takoma Park, and J. V. Atanasoff, Fulton, Md. Bus bar assembly including longitudinal solder-filled recess. 2,588,172, Mar. 4.

Snavely, Harold L., Oak Lawn, Ill. Vibrator motor. 2,595,718, May 6.

Sneddon, John, McKeesport, Pa., assignor to United States Steel Company. Threaded joint capable of being quickly made and broken. 2,577,544, Feb. 26.

Snedeger, Albert E., assignor of one-half to J. C. Wilson, Independence, Mo. Vehicle body having unloading means. 2,606,677, Aug. 12.

Sneed, Wellington A., Blue Grass, Iowa. Hair clipper. 2,603,865, July 22.

Snell, Foster D., Inc., assignee: *See*—
Macaluso, Pat.
Schoenholz, Daniel, and Terry.

Snell, Harm D., assignor of twenty-five per cent to J. A. Snell, Port Arthur, Tex. Work clamp. 2,600,584, June 17.

Snell, Jo A., assignee: *See*—
Snell, Harm D.

Snell, Maurice S., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Instrument type switch. 2,598,847, June 3.

Snell, Maurice S., Suttons Mill, Cranham, assignor to Dowty Equipment Limited, Cheltenham, England. Push button electric switch. 2,607,871, Aug. 19.

Snell, Maurice S., Sutton's Mill, Cranham, assignor to Dowty Equipment Limited, Cheltenham, England. Electrical switch. 2,622,163, Dec. 16.

Snell, Wortham A., Detroit, Mich. Hinge. 2,614,285, Oct. 21.

Sneller, James A., Cleveland, assignor to The Aro Equipment Corporation, Bryan, Ohio. Continuous flow oxygen regulator. 2,592,830, Apr. 15.

Snelling, Walter O., Allentown, Pa. Apparatus for the dry development of diazotype photographic paper. 2,590,899, Apr. 1.

Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company. Recovery of valuable products from pentaerythritol mother liquor. 2,617,791, Nov. 11.

Snellman, Karl O.: *See*—
Sylvén, Bengt E. G. V., and Snellman.

Snider, Joseph W., Kenmore, and S. G. Domster, Buffalo, N. Y., said Domster assignor to said Snider. Rigid sheet metal awning structure. 2,595,612, May 6.

Snider, Kenneth M., Mansfield, Ohio. Check valve. 2,605,784, Aug. 5.

Snijders, Antonie: *See*—
Oberman, Roelof M. M., and Snijders.

Snijders, Antonie, The Hague, Netherlands. Code converter. 2,620,395, Dec. 2.

Snijders, Antonie, The Hague, Netherlands. Arrangement for comparing voltages. 2,620,400, Dec. 2.

Snipen, Magnus R., assignee: *See*—
Gilbertsen, Gilbert P.

Snook, Roger M., San Francisco, Calif. Can tear strip guide and measuring cup. 2,612,287, Sept. 30.

Snow, Barton H., Cincinnati, Ohio, assignor to General Electric Company. Motion translating device. 2,610,520, Sept. 16.

Snow, Barton S., Batavia, Ill., assignor to T. W. Snow Construction Company, Inc. Sand dispensing apparatus. 2,614,002, Oct. 14.

Snow, Barton S., Batavia, Ill., assignor to T. W. Snow Construction Company, Inc. Apparatus for drying granular material. 2,619,738, Dec. 2.

Snow, Daniel, assignee: *See*—
Caruso, Philip A.

Snow, Donald L., Hempstead, N. Y., E. L. Ginzton, Redwood, Calif., and D. R. Hamilton, Princeton, N. J., assignors to The Sperry Corporation. High-frequency tube structure. 2,605,443, July 29.

Snow, Floyd E., Pasadena, assignor to Technical Coatings, Inc., Los Angeles, Calif. Cover construction. 2,597,682, May 20.

Snow, Howard C., Swampscott, E. F. Kelley, Melrose, and S. S. Sayward, Danvers, assignors to Consolidated Electric Lamp Company, Lynn, Mass. Method of and machine for making circular fluorescent lamps. 2,611,216, Sept. 23.

Snow, Harold F., Pine Point, Maine. Adjustable loading ramp and the like. 2,585,695, Feb. 12.

Snow, Kenneth T., assignee: *See*—
Karlsson, Elof K.

Snow, T. W., Construction Company, Inc., assignee: *See*—
Snow, Barton S.

Snow, Warren S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lubricating system for loom letoffs. 2,594,816, Apr. 29.

Snowden, Charles E., Pittsburgh, Pa. Aquatic toy. 2,604,055, July 22.

Snowden, Leonard R., Los Gatos, Calif. Hardened jaw insert for needle holders. 2,597,394, May 20.

Snowden, Norwood L.: *See*—
Willie, Carl H., and Snowden.

Snowhill Manufacturing Company, assignee: *See*—
Magnus, Edward R.

Snowman, Paul A., Jr., Glen Ridge, N. J., assignor to North American Paper Process Company, Inc., New York, N. Y. Applying a discontinuous coating to paper. 2,589,302, Mar. 18.

Snyder, Austin B.: *See*—
Sullivan, Emmet J., and Snyder.

Snyder, Burton K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin. 2,598,456, May 27.

Snyder, Carl I., Marshallville, assignor to Weather-Seal, Inc., Barberton, Ohio. Strike plate. 2,604,347, July 22.

Snyder, Carl J., and G. R. Ericson, Kirkwood, assignors to Carter Carburetor Corporation, St. Louis, Mo. Half motor cutout. 2,623,617, Dec. 30.

Snyder, Clarence E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inner tube construction. 2,607,392, Aug. 19.

Snyder, Clarence E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Valve construction. 2,621,700, Dec. 16.

Snyder, Clermont J., and W. G. MacLelland, Hastings on Hudson, N. Y., assignors to Anaconda Wire and Cable Company. Cleaning cupreous articles. 2,608,980, Sept. 2.

Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,595,719, May 6.

Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,595,720, May 6.

Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,595,721, May 6.

Snyder, Christopher L., North Plainfield, assignor to Steatite Research Corporation, Keasbey, N. J. Variable parallel resonant circuit. 2,601,338, June 24.

Snyder, Cyrus L., Hawthorne, and J. W. Schroeder, Los Angeles, assignors to L. M. Hursh, San Marino, Calif. Combined air filter and needle valve. 2,590,217, Mar. 25.

Snyder, Ellery P., U. S. Navy, Albany, N. Y., and J. H. Mulligan, Jr., U. S. Navy, East Orange, N. J. Counting down circuit. 2,613,318, Oct. 7.

Snyder, Ellsworth B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bonding machine with oscillator keying control. 2,609,480, Sept. 2.

Snyder, Ernest F.: *See*—
Hall, Elwin B., Snyder, and Seybold.

Snyder, Ernest F., Long Beach, and C. S. Seybold, Jr., Los Angeles, Calif. Method and composition for treating wells. 2,602,778, July 8.

Snyder, Eugene L.: *See*—
Gerber, Dale C., Martin, and Snyder.

Snyder, Eugene L., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,581,975, Jan. 8.

Snyder, Eugene L., and W. A. Humphrey, Canton, assignors to The Hoover Company, North Canton, Ohio. Electric toaster. 2,597,827, May 20.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,597,133, May 20.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic motor control. 2,597,136, May 20.

Snyder, George E., Philadelphia, Pa. Adjustable generating V-block. 2,585,594, Feb. 12.

Snyder, H. P., Manufacturing Company, Inc., assignee: *See*—
Haug, Edward.

Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Missoula, Mont., assignors to Phillips Petroleum Company. Beta, N,N-disubstituted aminomercaptans as modifiers in emulsion polymerization. 2,620,328, Dec. 2.

Snyder, Henry W., Bozeman, Mont. Electrical plug connector. 2,603,680, July 15.

Snyder, Henry W., Bozeman, Mont. Carbon arc-torch. 2,603,736, July 15.

Snyder, Hubert, New London, Ohio. Key case. 2,598,615, May 27.

Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Selector valve. 2,591,102, Apr. 1.

Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Drum cap and spigot valve assembly. 2,601,339, June 24.

Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Closure construction for metallic containers. 2,612,284, Sept. 30.

Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Direct acting friction shock absorber. 2,615,535, Oct. 28.

Snyder, Jacob R., Cleveland, and J. F. Norton, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Valve structure. 2,598,848, June 3.

Snyder, Jacob R., Cleveland, and J. F. Norton, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Seal and swivel mounting. 2,613,057, Oct. 7.

Snyder, Jacob R., Cleveland, and F. A. Pease, Jr., Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Drive coupling. 2,621,678, Dec. 16.

Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Wrapping articles. 2,622,380, Dec. 23.

Snyder, James E., Akron, and F. J. Young, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Laminated stretched film. 2,594,229, Apr. 22.

Snyder, James E., and B. J. Avant, assignors to Wingfoot Corporation, Akron, Ohio. Coffee cream package. 2,622,986, Dec. 23.

Snyder, Joseph, Washington, D. C. Rack for holding slices of toasted bread and the like. 2,592,203, Apr. 8.

Snyder, Kenneth J., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Photographic reproduction of designs in distorted forms. 2,617,337, Nov. 11.

Snyder, Leland H.: *See*—
Zum Bahlen, Ralph E., and Snyder.

Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Centrifugal speed control for vacuum cleaners. 2,588,301, Mar. 4.

Snyder, Leland H., and W. E. Shipley, Chicago, Ill., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Electric iron assembly means. 2,607,139, Aug. 19.

Snyder, Leonard L.: *See*—
Carlton, Frank, and Snyder.

Snyder, Mark D., Tonawanda, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Elastic linear copolyesters. 2,623,031, Dec. 23.

Snyder, Mark D., Tonawanda, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Elastic copolyesters and process. 2,623,033, Dec. 23.

Snyder, Merton F., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Steering lever construction. 2,603,981, July 22.

Snyder Mfg. Co., assignee: *See*—
Trowbridge, Charles A.

Snyder, Nate H., Jr.: *See*—
Johnsen, John H., and Snyder.

Snyder Oil Tool Corporation, assignee: *See*—
Snyder, Robert E.

Snyder, Paul C., assignor to Proctor Electric Company, Philadelphia, Pa. Toaster. 2,591,886, Apr. 8.

Snyder, Paul L.: *See*—
Miller, Cecil, Snyder, and Swaisgood.

Snyder, Paul L., and C. Miller, Pomona, Calif. Apparatus for weighing and bagging materials. 2,603,442, July 15.

Snyder, Perry G., Youngstown, and N. T. Gordon, Struthers, assignors to The Aetna-Standard Engineering Company, Youngstown, Ohio. Straightening sheet material. 2,604,971, July 29.

Snyder, Peter C., Schickshinny, Pa. Nonslip wrench. 2,601,064, June 17.

Snyder, Richard F., Oreland, and W. S. Lee, Ivyland, Pa., assignors to Radio Corporation of America. Television kinescope projection circuit. 2,584,932, Feb. 5.

Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Target and circuit for storage tubes. 2,618,762, Nov. 18.

Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Target for storage tubes of the cathode beam type. 2,618,763, Nov. 18.

Snyder, Robert A., Gillette Heights, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Brake control for tilting mixing drums. 2,603,463, July 15.

Snyder, Robert A., Marion, Mass., assignor to New Bedford Cordage Company. Rope composed of natural and synthetic fibers. 2,591,628, Apr. 1.

Snyder, Robert E., Pasadena, assignor to Snyder Oil Tool Corporation, Los Angeles, Calif. Self-compensating accumulator. 2,592,613, Apr. 15.

Snyder, Robert F., East Cleveland, Ohio. Box closure. 2,588,996, Mar. 11.

Snyder, Theodore E.: *See*—
Thomas, Orrin H., and Snyder.

Snyder, William T., South Lancaster, Mass. Coating machine for coating flexible sheets. 2,614,522, Oct. 21.

Soane, Arthur H.: *See*—
Hoffmeister, Hubert G., and Soane.

Soar, Harry G., London, England. Liquid meter. 2,622,566, Dec. 23.

Sobel, Albert E., Brooklyn, N. Y. Vitamin A determination and agents therefor. 2,504,817, Apr. 29.
Sobel, Louis N., New York, N. Y. Smoking implement. 2,585,696, Feb. 12.
Soberg, Arnold S., Elmhurst, assignor to Sochris Development Company, Chicago, Ill. Automatic pump assembly primer. 2,589,443, Mar. 18.
Soberg, Arnold S., Elmhurst, assignor to Sochris Development Company, Chicago, Ill. Impulse regulator assembly. 2,622,536, Dec. 23.
Sobin, Ben A.: *See*—
Finlay, Alexander C., and Sobin.
Sobota, John T., assignor to Fort Howard Paper Company, Green Bay, Wis. Evaluating sanitary paper products. 2,603,969, July 22.
Soc. Per Azioni Stabilimenti Elettromeccanici Riuniti Ansaldo San Giorgio, assignee: *See*—
Battilana, Emilio.
Sochris Development Company, assignee: *See*—
Soberg, Arnold S.
Sociedad Anónima de Applicaciones Sanitarias, assignee: *See*—
Ocaña, Manuel M.
Società Italiana Ernesto Breda Per Construzioni Meccaniche, assignee: *See*—
Fiorini, Sestilio.
Societa per Azioni Officine Galileo, assignee: *See*—
Franceschini, Lorenzo.
Societe a Responsabilite Limite Fonderi de Precision, assignee: *See*—
Nau-Touron, Albert.
Societe a Responsabilite Limitee dite: Etablissements Gendron Freres: *See*—
Bontemps, Marcel.
Societe Algol, Agnetz, assignee: *See*—
Rougelot, Guy.
Societe Anonyme A. B. G., assignee: *See*—
Philippe, Maurice.
Societe Anonyme Andre Citreon, assignee: *See*—
Du Rostu, Georges L.
Societe Anonyme called: Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Satre, Pierre H.
Societe Anonyme de Commentry, Fourchambault & Decazeville: *See*—
Eyt, Eugène, and Reygagne.
Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See*—
Mingasson, Georges.
Societe Anonyme de Telecommunications, assignee: *See*—
Dorbec, Lucien.
Société Anonyme des Anciens Etablissements Albaret, assignee: *See*—
Paramythioti, Jean M.
Société Anonyme des Anciens Etablissements Charles Berthiez, assignee: *See*—
Augustin-Normand, Augustin.
Societe Anonyme des Anciens Etablissements Panhard et Levassor, assignee: *See*—
Panhard, Paul.
Societe Anonyme des Ateliers de Secheron, assignee: *See*—
Aeschlimann, Hans.
Societe Anonyme des Etablissements A. Oller, assignee: *See*—
Oller, André J. P.
Societe Anonyme des Etablissements Ducellier, assignee: *See*—
Montifret, Maurice.
Societe Anonyme des Forges et Chantiers de la Mediterranee, assignee: *See*—
Valensi, Jacques.
Veyssiere, Henri.
Societe Anonyme des Machines Electrostatiques, assignee: *See*—
Felici, Noël.
Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Blanchard, Louis.
Bourgeaux, Maurice M. E.
Crauland, Marc J. L.
Kepes, André.
Peyches, Ivan.
Sana, Marcel L.
Touvay, Robert R. G.
Van Gaver, Georgette.
Societe Anonyme des Usines Chausson, assignee: *See*—
Chausson, Gaston.
Didier, Maurice.
Societe Anonyme des Usines Jean Gallay, assignee: *See*—
Belaieff, James F.
Societe Anonyme d'Industrie Cotonniere, assignee: *See*—
Roeder, Jacques L. E.
Societe Anonyme d'Innovations Chimiques so-called "Sinnova" or "Sadic," assignee: *See*—
Blinoff, Vsevolod.
Societe Anonyme dite: Automobiles Industriels Latil, assignee: *See*—
Amey, Georges.
Societe Anonyme dite Compagnie des Freins & Signaux Westinghouse, assignee: *See*—
Bethge, Bernhard, and Walker.
Mataré Hérbert F.
Mataré, Herbert F., Calon, and Philippoteaux.
Société Anonyme dite: Compagnie pour la Fabrication des Compteurs et Materiel d'Usine à Gaz, assignee: *See*—
Leroy, Octave.
Société Anonyme dite: Comptoir des Cendres et Metaux Precieux, assignee: *See*—
Klein, Siegfried.
Societe Anonyme Dite: Forges & Ateliers De Constructions Electriques De Jeumont, assignee: *See*—
Delastre, Jean, Galzin, and Letrilliart.
Societe Anonyme dite: Forges De Syam, assignee: *See*—
Coquille, Alexandre.
Société Anonyme dite: Machines Automatiques Bardet, assignee: *See*—
Bardet, Gérard.
Societe Anonyme dite: Societe d'Innovation Chimiques dite Sinnova ou Sadic, assignee: *See*—
Bigot, Maurice.
Societe Anonyme dite; Societe des Piles Wonder, assignee: *See*—
Héraud, André.
Societe-Anonyme dite: Societe Generale Isothermos, assignee: *See*—
Bouvat-Martin, Jean.
Societe Anonyme dite: Societe Miniere et Metallurgique de Penarroya, assignee: *See*—
Listrat, Jean J.
Societe Anonyme dite: Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Lecarme, Jacques A. M.
Societe Anonyme, Etablissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.
Societe Anonyme Francaise Du "Ferodo," assignee: *See*—
Maurice, Jean.
Société Anonyme Française pour la Séparation, l'Emulsion et le Mélange (procédés S. E. M.), assignee: *See*—
Edwards, George W.
Societe Anonyme Louvroil Montbard Aulnoye, assignee: *See*—
Hartemann, Georges.
Societe Anonyme pour les Applications de l' Electricite et des Gaz Rares-Etablissments Claude-Paz et Silva, assignee: *See*—
Kayser, Daniel.
Lemaigre-Voreaux, Pierre.
Societe Anonyme pour tous Appareillages Mecaniques, assignee: *See*—
Meyer, Jean G. A. M. J.
Societe Anonyme so-called: Societe d'Etudes et de Recherches Industrielles "S.O.T.R.E.M.A.," assignee: *See*—
Martin, Louis R.
Societe Anonyme Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Benoit, Edmond.
Societe Anonyme Tecalemit, assignee: *See*—
Marcou, Jean.
Societe Anonyme Teco, assignee: *See*—
Bonameau, Léonard.
Societe: Ateliers G. S. P., Guillemin, Sergot, Pégard, assignee: *See*—
Pégard, Pierre.
"Societe Carbochimique, Société Anonyme," assignee: *See*—
Ferrero, Paul, Berbé, and Flamme.
Societe Chimique de la Grande Paroisse, Azote et produits Chimiques, assignee: *See*—
Jean, Marcel C., and Lelong, and Laurent.
Societe Civile d'Etudes de Constructions Aeronautiques E. C. A., assignee: *See*—
Gianoli, Marcel.
Societe Civile d'Etude des Inventions et Procedes Philippe, assignee: *See*—
Philippe, Maurice.
Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.), assignee: *See*—
Roi, René C.
Societe Civile d'Etudes Pour Material de Fonderie, assignee: *See*—
Fouron, Pierre, and Bourret.
Societe Commergnat-Guilliet et Cie, assignee: *See*—
Vazieux, Charles E. R., and Prouteau.
Societe Continentale et Coloniale de Construction, Societe Anonyme, assignee: *See*—
Gauthier, René.
"Societe d'Applications et de Constructions pour Materiel Automobile (S. A. C. M. A.)," S. A. R. L., assignee: *See*—
Mennesson, Marcel.
Societe de Produits Chimiques des Terres Rares, assignee: *See*—
Kastner, Marcel.
Societe de Prospection Electrique Procedes Schlumberger, assignee: *See*—
Picard, Maxime F. B., and Schlumberger.
Schlumberger, Marcel, and Picard.
Schlumberger, Marcel, Picard, and Barreteau.

Societe de Recherches Techniques et D'Exploitations Industrielles, assignee: *See*—
Trembley, Fernand.
Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, assignee: *See*—
Neel, Louis.
Societe d'Electronique et d'Automatisme, assignee: *See*—
Masson, Claude M. E.
Societe D'Exploitation De Brevets, assignee: *See*—
Petit, Jean F. G.
Societe des Accumulateurs Fixes & de Traction, assignee: *See*—
Jacquier, Michel C. J.
Societe des Ateliers de Mecanique et de Pyrotechnie S. M. P., assignee: *See*—
Rémy, Paul J. L.
Société des Brevets Kegresse, S. E. K., assignee: *See*—
Grandgirard, Henri.
Societe des Carrieres de l'Oise et de la Meuse, assignee: *See*—
Bataille, Pierre E.
Societe des Fabrications Unicum, assignee: *See*—
Perruca, Felix.
Societe des Laboratoires de Recherches pour Applications Industrielles, assignee: *See*—
Rouzet, Lucien.
Société des Mecaniques Verdol, assignee: *See*—
Dalle, Olivier.
Societe des Procedes Serge Beaune, assignee: *See*—
Beaune, Virgile S.
Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Berg, Samuel S., and Ashley.
Bidaud, Auguste F., and Ceyzeriat.
Charpentier, Paul.
Fluchaire, Maurice L. A., and Collardeau.
Freire, Santiago A.
Horclois, Raymond J.
Jacob, Robert M., Liakhoff, and Robert.
Paul, Raymond, and Tchelitcheff.
Peyrot, Pierre P., and Domoulin.
Trefouel, Jacques.
Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture, assignee: *See*—
Sourdet, Maurice, and Martin.
Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., assignee: *See*—
Huber, Robert.
Pateras Pescara, Raul.
Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*—
Conway, Hugh G.
Faucheux, Eugène.
Levy, René L.
Societe dite: Compagnie de Fives-Lille, assignee: *See*—
Bernard, Auguste.
Societe dite: Etablissements & Laboratoires Georges Truffaut, assignee: *See*—
Hampe, Pierre.
Societe dite: Saint Freres (Societe Anonyme), assignee: *See*—
Pelcé, Henri.
Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Herbelleau, Armand P.
Michard, Louis M.
Societe Electro-Metallurgique du Planet, assignee: *See*—
Bassereau, Georges.
Societe Française de Construction de Bonnes Automatiques, assignee: *See*—
Allard, Pierre J. M. T.
Societe Française der Telecommunications, assignee: *See*—
Bataille, Roger, and Honorat.
Societe Française des Munitions, de Chasse, de Tir et de Guerre (Anciens Etablissements Gevelot & Gaupillat), Societe Anonyme, assignee: *See*—
Paulvé, Marcel.
Societe Francaise Radio-Electrique, assignee: *See*—
Chireix, Henri.
Despois, Edouard.
Nicholas, Paul.
Societe francaise Sadir-Carpentier, assignee: *See*—
Boisvieux, Jacques, and Chaumeron.
Marié, Pierre.
Marié, Robert P.
Societe Genevoise d'Instruments de Physique, assignee: *See*—
Dürler, Jacques.
Mottu, André.
Rollat, Germain.
Turrettini, Fernand W.
Societe Industrielle d'Entreprise et de Mecanique, assignee: *See*—
Dumas, Jacques.
Societe Industrielle des Procedes Loth, assignee: *See*—
Salmet, Gaston.
Societe Industrielle et Commerciale des Ouvriers Lunetiers (Eparvier, Cottet, Polchet & Cie), assignee: *See*—
Gardissard, Pierre, and Delorme.
Societe Industrielle Generale De Mecanique Appliquee (S. I. C. M. A.), assignee: *See*—
Poult, Robert.
Poult, Robert J.
Societe Jaruza A. G. Chur, assignee: *See*—
Galmiche, Michel.
Society "La Precision Mecanique," assignee: *See*—
Mirau, André H.
Society "La Radio Industrie," S. A., assignee: *See*—
Vorms, Armand.
Societe "La Telemecanique Electrique," assignee: *See*—
Blanchet, André.
Societe Le Teleampliphone, assignee: *See*—
Jeanlin, Pierre.
Societe L'Oreal, assignee: *See*—
Schueller, Eugène.
Societe Lorraine des Acieries de Rombas (Societe Anonyme), assignee: *See*—
Brun, Max A., and Sauvage.
Societe Metallurgique de Gorcy, assignee: *See*—
Peignier, Jean.
Societe Nationale de Constructions Aeronautiques du Sud-Ouest (Societe Anonyme), assignee: *See*—
Morain, Paul.
Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Bauger, Louis A. J.
Bertin, Jean H., and Marchal.
Marchal, Raymond H., and Durouchoux.
Roy, Maurice.
Théry, Constant A. L.
Tisaier, Roger H.
Societe Nouvelle des Etablissements Brandt, assignee: *See*—
Jasse, Joseph R.
Societe Novacel, assignee: *See*—
Giraud, Jules.
Société Olaer Marine, assignee: *See*—
Audemar, Pierre.
Societe Pour L'Union Des Transports Ferroviaires Et Routiers, assignee: *See*—
Porte, René.
Societe Rateau (Société Anonyme), assignee: *See*—
Anzionnaz, René, and Imbert.
Anzionnaz, René, and Sédille.
Anzionnaz, René, Sédille, and Imbert.
Hermitte, Louis A., and Sédille.
Imbert, Roger J.
Imbert, Roger J., and Sédille.
Imbert, Roger J., and Anzionnaz.
Sédille, Marcel H. L.
Sédille, Marcel H. L., and Imbert.
Sédille, Marcel H. L., and Menard.
Waeselynck, Raymond F. M.
Societe Rateau La Courneuve, assignee: *See*—
Sédille, Marcel H. L.
Societe Rhodiaceta, assignee: *See*—
Rampin, Jean.
Societe "Rhodiaceta," assignee: *See*—
Lepin, Maurice, and Bally.
Mosse, Pierre.
Salé, Pierre, and Trillat.
Societe Solex, assignee: *See*—
Mennesson, Marcel L.
Societe Technique pour l'Industrie Nouvelle S. A. "Stin," assignee: *See*—
Vogt, Ernst, and Heilpern.
Societe Trefilerie & Cablerie de Bourg, assignee: *See*—
Chamoux, Alexandre.
Society called Societe Cri-Dan, assignee: *See*—
Castelli, Xavier F.
Society "Electro-Mecanique de l'Aveyron," assignee: *See*—
Bessiere, Pierre E.
Society "Etablissements Herburger," assignee: *See*—
Langloys, Rémy J. M. C.
Society "Hispano-Suiza" (Suisse) S. A., assignee: *See*—
Birkigt, Louis.
Society "La Precision Mecanique," S. A., assignee: *See*—
Drouot, Gaston C.
Ernyei, Herbert.
Grimod, Yves A.
Society: "La Radio-Industrie," S. A., assignee: *See*—
De France, Henri G., and Ernyei.
Society S. A. T. A. M. Societe Anonyme Pour Tous Appareillages Mecaniques: *See*—
Meyer, Jean G. A. M. J., and Rambert.
Society "Suber," S. A., assignee: *See*—
Guillemonat, André.
Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Sealing head mechanism for closing and sealing bags and flexible containers. 2,587,663, Mar. 4.
Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Method and apparatus for treating articles with jets of fluid. 2,605,091, July 29.
Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Machine for feeding, transferring, and compacting articles into a unit layer. 2,619,237, Nov. 25.
Sockell, William J., Raleigh, N. C. Automatic brake slack adjuster for railroad car brake riggings. 2,596,301, May 13.
Socolofsky, John F., Woodbury, and R. V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,592,204, Apr. 8.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Angona, Frank A.
Armstrong, Eldon L., and Butcosk.
Backensto, Elwood B.
Biles, John L., Myers, Petry, and Cowell.
Bishop, Richard B., and Denton.
Bodkin, Ernest A.
Broding, Robert A.
Brooks, John W.
Brown, Clayton W.
Butcosk, Richard A.
Caesar, Philip D.
Caesar, Philip D., Waldo, and Crowley.
Cauley, Stephen P.
Centofanti, Olin.
Conover, George E.
Crowley, John A., Jr.
Dahm, Cornelius G., and Clewell.
Denton, William I., and Bishop.
Drew, Robert D., and Bergstrom.
Eastwood, Sylvander C.
Evans, Louis P.
Feasley, Charles F.
Feasley, Charles F., and Stover.
Giammaria, John J.
Gorin, Manuel H., and E.
Groenendyke, Goethe M.
Gutzeit, Carlos L.
Happel, John, and Cauley.
Hartough, Howard D.
Hartough, Howard D., Caesar, and Lukasiewicz.
Hartough, Howard D., and Dickert.
Hartough, Howard D., and Lukasiewicz.
Hartough, Howard D., and Sheldon.
Head, Lloyd W.
Hemphill, William B.
Jehle, John A., Jr.
Kalichevsky, Vladimar A., and Sandlin.
Keyser, Paul V., Jr., Schick, and Hartough.
Koch, Robert L.
Kozacik, Alfred P., and Sachanen.
Loper, George B., and Heaps.
Manilych, Samuel, and Lambert.
McCracken, John H.
McDonald, Daniel T., Jr., and King.
McLoad, Kenneth W.
Mellett, Dana S.
Minton, John P.
Myers, Harold C.
Nichols, Clayton W., Jr., Armstrong, and Schroeder.
Norris, Henry D.
Oberright, Edward A.
Ogden, Albert B., Butcosk, and Williams.
Orkin, Bernard A.
Otto, Ferdinand P.
Otto, Ferdinand P., and Barrett.
Otto, Ferdinand P., and Reiff.
Payne, John W.
Penick, Joe E.
Penick, Joe, and Bergstrom.
Reeves, Eugene J.
Reichertz, Paul P.
Richter, Frederick P., and Orkin.
Richter, Frederick P., and Reid.
Robertson, Donald W., and Duchacek.
Rutledge, Thomas F., and Seger.
Sachanen, Alexander N.
Schlesman, Carleton H., and Glassbrook.
Schott, John E., and Armstrong.
Simon, Randolph F., and Heaps.
Simpson, Thomas P.
Sinclair, Edward L., and Hagerbaumer.
Socolofsky, John F., and White.
Stine, Harrison M.
Stover, William A.
Sturgis, Robert P.
Thompson, James P.
Traver, Alfred E.
Trigg, Hastings S., Norris, and White.
Utterback, Ernest, Hagerbaumer, and Dooley.
Watts, Euclid V., and Folda.
Watts, Richard G.
Weiss, Paul B.
White, James R., Clark, and Woods.
White, Ralph V., and Landis.

Sodeco Societe des Compteurs de Geneve, assignee: *See*—
Fässer, Rolf.

Soderberg, Gustave J., Babylon, N. Y., and T. Packard, East Orange, N. J.; said Packard assignor to E. B. Packard Co., Inc., New York, N. Y. Wood fastener. 2,596,181, May 13.

Sodergreen, Axel L., Great Neck, N. Y. Producing coconut oil. 2,583,022, Jan. 22.

Soderhamns Verkstader Aktiebolag, assignee: *See*—
Andersson, Axel E.

Soderman, George W.: *See*—
Fermanian, Armen, Soderman, and Workman.

Soderman, George W., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Grinding fixture. 2,613,484., Oct. 14.

Soderman, George W., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article holding apparatus. 2,614,516, Oct. 21.

Södermark, Per O., administrator: *See*—
Kristenson, Nils H. B., and Gråhs.

Soderquist, Frederick J.: *See*—
Amos, James L., Silvernail, and Soderquist.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Closure operating mechanism. 2,601,566, June 24.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Mold mandrel handling device. 2,622,274, Dec. 23.

Soderstrom, Harry R., Wichita, Kans., assignor to the United States of America as represented by the Secretary of the United States Air Force. Hydraulic bomb lift truck. 2,603,369, July 15.

Soenksen, Edwin, De Witt, Iowa. Rotating cutter bar. 2,592,755, Apr. 15.

Soffel, Robert O.: *See*—
Entz, Ferdinand S., and Soffel.

Soffel, Robert O., Hastings-on-Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiver selection system. 2,594,087, Apr. 22.

Sogge, Melvin G.: *See*—
Huntington, William L., and Sogge.

Sohler, Otto L., Cudahy, Wis. Fish-scaling equipment. 2,586,732, Feb. 19.

Sohn, William H., and H. B. Lindemann, Baltimore, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cover retaining mechanism. 2,601,232, June 24.

Sohns, Virgil E.: *See*—
Blom, Russell H., Sohns, and Moyer.

Sohon, Harry, Havertown, and L. Jacobs, Philadelphia, Pa., assignors to Radio Corporation of America. Variable inertia device. 2,603,103, July 15.

Sokolik, Edward, New Brighton, Minn. Fishing bobber. Re. 23,567, Oct. 21.

Sokolik, Edward, New Brighton, Minn. Side draft compensating and steering wheel. 2,589,444, Mar. 18.

Sokolik, Edward, New Brighton, Minn. Vertical-horizontal ball check valve. 2,589,581, Mar. 18.

Sokolik, Edward, New Brighton, Minn. Carpenter's nail. 2,613,570, Oct. 14.

Sokolik, Edward, New Brighton, Minn. Sanitary vaginal appliance. 2,613,670, Oct. 14.

Sola, Joseph G., River Forest, Ill. Transformer construction. 2,582,291, Jan. 15.

Solar Aircraft Company, assignee: *See*—
Pitt, Paul A.
Woslka, Leon R.

Solar Corporation, assignee: *See*—
Castner, George P.
Castner, George P., and Lund.

Solar Engineering & Equipment Company, assignee: *See*—
Keller, Jay H., and Riley.
Martin, Bradford.

Solarz, Anton, Minneapolis, Minn. Portamento valve for brass wind instruments. 2,608,122, Aug. 26.

Soldan, Lewis E., San Diego, Calif. Vibrating equipment. 2,599,496, June 3.

Soldan, Lewis E., San Diego, Calif., assignor to Productive Equipment Corporation, Chicago, Ill. Vibrating equipment. 2,609,930, Sept. 9.

Soldo, Leonard, New York, N. Y. Sewing-machine presser foot. 2,607,309, Aug. 19.

Solem Machine Company, assignee: *See*—
Merritt, Ericsson H.

Solem, Peter A., Rockford, Ill. Conveyer traction block. 2,607,470, Aug. 19.

Soler Capdevila, Antonio, Barcelona, Spain. Push-button operated permutation lock. 2,598,457, May 27.

Soler, James, and S. Balsells, Brooklyn, N. Y. Automobile tire rim. 2,607,393, Aug. 19.

Sollen, William A., assignee: *See*—
Gierke, Le Roy O.

Sollenberger, Lester D.: *See*—
Broussard, Robert F., and Sollenberger.

Sollenberger, Lester D., Oak Park, Ill. Coin-controlled timing apparatus. 2,603,288, July 15.

Soller, John T., and M. A. Starr, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Schmidt type optical projection system for indicating devices. 2,589,883, Mar. 18.

Soller, Walter: *See*—
Ramey, Robert A., and Soller.

Sollers, Allan A., Baltimore, Md. Toxic bait for oyster beds. 2,613,474, Oct. 14.

Sollinger, Ferdinand P., Paterson, N. J., assignor to Curtiss-Wright Corporation. Cooling means for turbines. 2,603,453, July 15.

Sollmann, Henry A., Cincinnati, Ohio. Closure and mounting cap for hollow posts. 2,604,291, July 22.

Sollner, Karl, Chevy Chase, Md., assignor to Harris-Seybold Company, Cleveland, Ohio. Printing plate etching. 2,585,864, Feb. 12.

Solloway, Harry, and T. L. Bonkowski, Los Angeles, Calif. Article projecting figure toy. 2,611,997, Sept. 30.

Solmes, William P., Toronto, Ontario, Canada. Visor for vehicles and the like. 2,596,873, May 13.

Solo Products Corporation, assignee: *See*—
Taplinger, Jean R.

So-Lo Works Incorporated, assignee: *See*—
Marx, Joe J., and Davis.

Sologaistoa, Manuel H. P., San Pedro Sula, Honduras. Device for repairing runs in fabrics. 2,586,733, Feb. 19.

Solomon, Ernest: *See*—
Burton, William P., and Solomon.

Solomon, Ernest, Nutley, assignor to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of organic acids. 2,581,452, Jan. 8.

Solomon, Ernest, Nutley, assignor to The M. W. Kellogg Company, Jersey City, N. J. Manufacture of hydrazine. 2,591,735, Apr. 8.

Solomon, Joseph, assignee: *See*—
Mayer, Martin E.

Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Electronic timing circuit. 2,580,967, Jan. 1.

Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Sequence control circuit and timer. 2,600,519, June 17.

Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Three-phase welding system with post-heat control. 2,600,585, June 17.

Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Control circuit for three-phase welders. 2,623,204, Dec. 23.

Solomon, Louis, Chicago, Ill. Gear shift for toy steering wheels. 2,581,976, Jan. 8.

Solomon, Morris: *See*—
Macrides, Philip C., and Solomon.

Solomon, Morris, New Rochelle, N. Y. Surgical tube, drain, and valve holder. 2,606,555, Aug. 12.

Solomon, Nathan L., assignee: *See*—
Feyrer, William F.

Solomon, Nathan L., Englewood, N. J. Hair curler. 2,598,943, June 3.

Solomon, Nathan L., Englewood, N. J. Hair curler. 2,608,978, Sept. 2.

Solomon, Nathan L., Englewood, N. J. Hair curler. 2,623,530, Dec. 30.

Solomon, Nathan L. Englewood, and I. W. Schaef, Jr., Norwood, N. J.; said Schaef assignor to said Solomon. Barrette. 2,594,230, Apr. 22.

Solomon, Nathan L., and W. F. Feyrer, Englewood, N. J.; said Feyrer assignor to said Solomon. Device for forming and applying bobby pins to flat curls. 2,603,224, July 15.

Solomons, Isaiah A., III: *See*—
Regna, Peter P., and Solomons.

Solon, Joseph J., Auburn, N. Y. Self-starting synchronous motor. 2,602,103, July 1.

Solonen, Nicholas W., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. 1-amino-2-anthraquinone carbo-3',4'-xylide. 2,589,974, Mar. 18.

Solop, Sydor, Brackney, Pa. Hair curler. 2,593,929, Apr. 22.

Solop, Sydor, Woodside, N. Y. Hair curler. 2,583,715, Jan. 29.

Soloveichik, Samuel, New York, N. Y. Preparing formic esters. 2,617,821, Nov. 11.

Solovieff, George B., South Gate, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control for gaseous fuel burners. 2,596,796, May 13.

Solowey, Mathilde: *See*—
Kaplan, Arthur M., and Solowey.

Solowey, Sol, Merrick, N. Y. Suture package holder. 2,590,799, Mar. 25.

Soltau, Le Roy J.: *See*—
Howells, Merriam J. and A. M., and Soltau.

Soltysik, Edmund J., assignor to Illinois Tool Works, Chicago, Ill. Toothed shouldered spring retainer clip. 2,596,346, May 13.

Solum, Thorsten, and H. C. Franson, Norwalk, Conn. Glass cutting apparatus. 2,582,078, Jan. 8.

Solvay & Cie, assignee: *See*—
Basilewsky, Alexis.
Berteaux, Raoul P. J.
Deprez, Charles, and Basilewsky.
Vanharen, Lambert.
Vanharen, Lambert, Rossier, and Vandeur.

Solventol Chemical Products, Inc., assignee: *See*—
Campbell, Charles A.

Solway, Theodore A., formerly Tibor Zsolnai, London, England. Manifolding and copying apparatus. 2,589,884, Mar. 18.

Somers, Charles H., Dayton, Ohio, and S. C. Willis, White Plains, N. Y., assignors to The Fyr Fyter Company, Dayton, Ohio. Fire extinguisher. 2,620,038, Dec. 2.

Somers, Francis P.: *See*—
Earle, Clarence E., and Somers.

Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Film scansion apparatus. 2,585,865, Feb. 12.

Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Pickup tube beam-interrupting circuit. 2,611,820, Sept. 23.

Somers, James D.: *See*—
Rosati, Romolo J., and Somers.

Somers, Richard E., San Pedro, Calif. Combination boat and trailer assembly. 2,598,458, May 27.

Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Control system for phonographs of the combined recording-reproducing type. 2,606,253, Aug. 5.

Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Apparatus for reconditioning phonograph record disks. 2,615,197, Oct. 28.

Somers, Roy H.: *See*—
Dickson, Robert B., and Somers.

Somerset, Charles H., Hartford, Conn. Planing device. 2,581,818, Jan. 8.

Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Sodium dimethyl dithiocarbamate and sodium salt of 2-mercaptobenzothiazole synergistic fungicidal composition. 2,614,957, Oct. 21.

Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Co., Incorporated, New York, N. Y. Zinc mercaptobenzothiazole and ferric dimethyl dithiocarbamate fungicidal composition. 2,614,958, Oct. 21.

Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Co., Incorporated, New York, N. Y. Ferric salt of mercaptobenzothiazole and zinc dimethyl dithiocarbamate fungicidal composition. 2,614,959, Oct. 21.

Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Co., Incorporated, New York, N. Y. Ferric dimethyl dithiocarbamate and bismuth salt of 5-chloro-2-mercaptobenzothiazole fungicidal composition. 2,614,960, Oct. 21.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Making magnetic cores. 2,588,173, Mar. 4.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,595,820, May 6.

Somma, Henry J.: *See*—
Somma, Herman R., and H. J.

Somma, Herman R., and H. J., assignors to The Somma Tool Company, Waterbury, Conn. Scribing and inspecting gauge for circular form tools. 2,608,764, Sept. 2.

Somma Tool Company, The, assignee: *See*—
Somma, Herman R., and H. J.

Sommer, Bertha K., Elmhurst, N. Y. Shopping bag. 2,617,589, Nov. 11.

Sommer, Erwin, Esslingen-Waldenbronn, assignor to Daimler-Benz Aktiengesellschaft, Stutgart-Unterturkheim, Germany. Control device for solid-injection internal-combustion engines. 2,606,545, Aug. 12.

Sommer, Leo H., Cambridge, Mass., assignor to Dow Corning Corporation, Midland, Mich. Ketodisiloxanes. 2,591,736, Apr. 8.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon acids. 2,589,445, Mar. 18.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Production of disiloxane dibasic acids. 2,589,446, Mar. 18.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Production of silalactones and of disiloxane dibasic acids. 2,589,447, Mar. 18.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. α,β-dichloroethylsilanes. 2,605,273, July 29.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organo silicon amides. 2,607,793, Aug. 19.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilyl amides. 2,610,198, Sept. 9.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilyl acyl halides. 2,610,199, Sept. 9.

Sommer, Walter L., Sterling, E. I. Leeder, and C. L. Collins, Rock Falls, Ill., assignors to The Borden Company, New York, N. Y. Machine for inverting containers. 2,585,697, Feb. 12.

Sommerfield, Edmund H.: *See*—
Stoesser, Wesley C., and Sommerfield.

Sommers, Henry P. R., Wellesley Hills, Mass. Hair curler. 2,599,874, June 10.

Sommers, Henry S., Jr.: *See*—
Nettleton, Leroy A., and Sommers.

Sommers, Paul H., Montgomery, Ala. Facilitating the laying of masonry units. 2,585,283, Feb. 12.

Sommers, Robert H., Waukesha, and A. W. Frank, Wauwatosa, assignors to Hevi Duty Electric Company, Milwaukee, Wis. Manual door operation of vertically movable doors. 2,600,441, June 17.

Sommerstein, Cwl, New York, N. Y. Ampoule. 2,590,900, Apr. 1.

Somogyi, Francis P., London, England. Air-lock system for continuously operated vertical cement kilns. 2,610,749, Sept. 16.

Son, Anthony J., Boston, Mass. Hypodermic needle holder. 2,601,065, June 17.

"Sonapar," Societe de Participation, S. A., assignee: *See*—
Marcerou, Paul.

Sonderegger, Carl, assignor to Electro-Watt Electrical and Industrial Management Co., Ltd., Zurich, Switzerland. Lining shafts. 2,602,299, July 8.

Sonderegger, Konrad, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Air-cooled internal-combustion engine with air filter. 2,595,175, Apr. 29.

Sonderegger, Konrad, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Oil-cooler arrangement in air-cooled internal-combustion engines. 2,598,849, June 3.

Sonderegger, Konrad, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Air-duct means for air-cooled internal-combustion engines. 2,611,346, Sept. 23.

Sondern, Clarence W., Mendham, and P. J. Breivogel, Glen Ridge, assignors to White Laboratories, Incorporated, Newark, N. J. Preparation of benzal-imino compounds. 2,582,292, Jan. 15.

Sondon Systems Corporation, assignee: *See*—
Schulz, Fred R.

Songer, Charles J.: *See*—
McNerney, Robert P.

Sonia, Joseph A., Niagara Falls, and C. E. Lisman, Lewiston, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Preparation of monochloroacetic acid. 2,595,899, May 6.

Sonic Research Corporation, assignee: *See*—
Horsley, Caperton B., and Seavey.
Seavey, Gordon C.
Seavey, Gordon C., and Horsley.

Sonkin, Simon, New York, N. Y., assignor to United States of America as represented by the Secretary of War. Tunable magnetron. 2,589,885, Mar. 18.

Sonneborn, Harry M.: *See*—
Schwartz, Albert M., and Sonneborn.

Sonneborn, L., Sons, Inc., assignee: *See*—
Miley, Hunter.

Sonneman, Paul R., Chicago, Ill., assignor to International Harvester Company. Disk harrow. 2,584,238, Feb. 5.

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus differential protection. 2,608,606, Aug. 26.

Sonnemann, William K., Roselle Park, and K. Riesz, Gillette, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polarized relay construction. 2,594,088, Apr. 22.

Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Capmaking machine. 2,596,050, May 6.

Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Bottle closure. 2,607,503, Aug. 19.

Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Bottle closure. 2,607,504, Aug. 19.

Sonnino, Carlo, Milan, Italy. Anodic oxidation of aluminum and its alloys. 2,584,400, Feb. 5.

Sonnino, Mario: *See*—
Forzley, Victor G., and Sonnino.

Sonntag, Helmuth C.: *See*—
Dulken, Charles F., Sonntag, and Westwater.

Sonntag, Robert B., Dallas, Tex. Cooking stove ventilating hood. 2,596,874, May 13.

Sonoco Products Company, assignee: *See*—
Betner, Thomas E., and Townsend.

Sonoda, Thomas T.: *See*—
Kline, Leo, and Sonoda.

Sontag, Harcourt C., Arlington, Va., F. Cordero, Washington, D. C., and S. H. J. Womack, Bethesda, Md. Propeller anemometer. 2,608,859, Sept. 2.

Sontag, Joseph, Chicago, Ill. Fuel oil carburetor burner. 2,616,492, Nov. 4.

Sontheimer, Carl G., Riverside, Conn. Energy transfer system. 2,611,030, Sept. 16.

Sontheimer, Carl G., Riverside, Conn., assignor to The Liquidometer Corporation, Long Island City, N. Y. Resonance type capacitance responsive gauge. 2,621,517, Dec. 16.

Sontheimer, Carl G., Riverside, Conn., assignor to The Liquidometer Corporation, Long Island City, N. Y. Liquid level gauge. 2,621,518, Dec. 16.

Sontheimer, Carl G., Riverside, Conn., assignor to Radio Corporation of America. Automatic frequency control circuit for television. 2,622,146, Dec. 16.

Sookne, Arnold M.: *See*—
Brown, Alfred E., and Sookne, and Minor.
Minor, Francis W., Sookne, Harris, and Pyle.

Sookne, Arnold M., Silver Spring, Md., and A. E. Brown, Washington, D. C., assignors to Harris Research Laboratories. Rendering proteinaceous textile materials water repellent. 2,599,590, June 10.

Soos, Joseph, assignor to The Gabriel Company, Cleveland, Ohio. Hose coupling. 2,595,900, May 6.

Sooy, Brainard E., Middletown, and H. C. Fisher, Cincinnati, Ohio, assignors to The Gardner Board and Carton Co. Calendering mineral coated paper. 2,611,717, Sept. 23.

Soper, Alan K., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic stripping film. 2,604,398, July 22.

Soper, Guy E., New Brunswick, and H.-E. E. Christenson, Florham Park, N. J., assignors to Mack Manufacturing Corporation, New York, N. Y. Hydraulic transmission. 2,590,472, Mar. 25.

Soper, Quentin F.: *See*—
Behrens, Otto K., Jones, Soper, and Corse.

Soplata, Louis, Novelty, Ohio. Ventilated window sill. 2,581,727, Jan. 8.

Sopris, Robley F., Cuernavaca, Mexico, assignor, by mesne assignments, to D. W. Creary, Portland, Oreg. Device for inserting bolts in concrete. Re. 23,569, Oct. 28.

Sorbel, Alfred C., Hanska, Minn. Tile setter for bored wells. 2,583,498, Jan. 22.

Soref, Edward, Milwaukee, Wis. Drawing board clamp. 2,610,435, Sept. 16.

Soreng, Edgar M., Skokie, H. Y. Fisher, Hillside, and G. D. Johnson, Bensenville, assignors to Soreng Manufacturing Corporation, Schiller Park, Ill. Solenoid with plunger. 2,594,089, Apr. 22.

Soreng, Edgar M., Skokie, and J. Juergens, Algonquin, Ill., assignors, by mesne assignments, to Seeger-Sunbeam Corporation. Solenoid-operated latch. 2,606,052, Aug. 5.

Soreng Manufacturing Corporation, assignee: *See*—
Sanda, Laddie A.
Soreng, Edgar M., Fisher and Johnson.

Sorensen, Andrew J., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Inductive train communication system. 2,591,022, Apr. 1.

Sorensen, Andrew J., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Inductive railway train communication system. 2,614,209, Oct. 14.

Sorensen & Company, Inc., assignee: *See*—
Bunblasky, Adolph C.
Bunblasky, Adolph O., and Brown.
Helterline, Leo L., Jr.
Helterline, Leo L., Jr., Best, and Bunblasky.
Levy, Ernest, Jr.
Scherer, Bernard L.

Sorensen, George E.: *See*—
Sorensen, Otto E. and G. E.

Sörensen, Harald M., Fruens Boge, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Spare connected polyphase transductor. 2,599,137, June 3.

Sørensen, Kaj V., Viby, Denmark. Sprinkling device for agricultural and horticultural purposes. 2,621,967, Dec. 16.

Sorensen, Martin B., Merced, Calif. Hat stacking device. 2,595,722, May 6.

Sorensen, O. E., Incorporated, assignee: *See*—
Sorensen, Otto E. and G. E.

Sorensen, Otto E. and G. E., Fairfield, assignors to O. E. Sorensen, Incorporated, Bridgeport, Conn. Workholder. 2,606,482, Aug. 12.

Sorenson, Alex, Cambridge, Minn. Door latch. 2,589,637, Mar. 18.

Sorenson, Alvin A., St. Galena Park, Tex. Hobbing attachment for lathes. 2,617,332, Nov. 11.

Sorenson, Jesse F., Long Beach, Calif. Swiveling device for electric current. 2,582,800, Jan. 15.

Sorenson, Warner H., Port Arthur, Tex. Device for forming knots in neckties. 2,614,259, Oct. 21.

Sorez, Eugène J.: *See*—
Guimbretiere, Louis F., and Sorez.

Sorg, Earl H.: *See*—
Bomhardt, Warren C., and Sorg.

Sorkin, Morris, New York, N. Y. Toy projector. 2,616,332, Nov. 4.

Sofrels, Aaron L., Chicago, Ill. Computation chart. 2,615,631, Oct. 28.

Sorrick, Charles H., Jr.: *See*—
Nye, Norman H., Penn, Ensinger, and Sorrick.

Sorron-Zabala, Francisca, San Sebastian, Spain. Bucket. 2,620,006, Dec. 2.

Sors, Ivan, and A. Abrahamson, New York, N. Y. Sun shield. 2,620,472, Dec. 9.

Sortex A. G., assignee: *See*—
Perwolf, Felix.

Sorton, Fred C., assignor to Whitin Machine Works, Whitinsville, Mass. Yarn beam. 2,623,709, Dec. 30.

Sosaya, Frank F., Santa Fe, N. Mex. Closet flange and test cap. 2,596,182, May 13.

Sosna, Ferdynand, Pruchna, near Cieszyn, Poland. Twisted reinforcing bar. 2,606,439, Aug. 12.

Soss Manufacturing Company, assignee: *See*—
Soss, Samuel.

Soss, Mark, Spokane, Wash. Window washing fountain brush. 2,584,630, Feb. 5.

Soss, Mark, Spokane, Wash. Window washing mixture fountain brush. 2,584,631, Feb. 5.

Soss, Mark, Spokane, Wash. Bubbling liquid toy. 2,590,279, Mar. 25.

Soss, Mark, Spokane, Wash. Fountain paintbrush. 2,599,024, June 3.

Soss, Mark, Spokane, Wash. Protective jacket for paint brushes. 2,602,947, July 15.

Soss, Samuel, assignor to Soss Manufacturing Company, Detroit, Mich. Friction-catch hinge. 2,608,713, Sept. 2.

Sotecom S. A., assignee: *See*—
Violet, Hans E.

Sotres, Ricardo M.: *See*—
Lloyd, William R., and Sotres.

Souhart, Jacques P., assignor to "Les Brevets Souhart" S. A., Paris, France. Control means for chain shifting change-speed gears for cycles. 2,583,609, Jan. 29.

Soule, Charles W., Reno, Nev., assignor to J. C. Soule, Washington, D. C. Flight training apparatus. 2,592,968, Apr. 15.

Soule, Edward C., and W. H. Sheltmire, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Preparation of stable, solid, water-soluble, surface-active compositions containing urea and a quaternary ammonium compound. 2,584,056, Jan. 29.

Soule, Edward C., and W. H. Sheltmire, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Preparation of stable, solid, water-soluble, surface-active compositions containing urea and a quaternary ammonium compound. 2,584,057, Jan. 29.

Soule, Jessie C., assignee: *See*—
Soule, Charles W.

Soule, Leslie, Dover, Mass. Cigarette ash receiver. 2,623,529, Dec. 30.

Soules, James A.: *See*—
Swisher, Joseph R., and Soules.

Sound Apparatus Company, assignee: *See*—
Niemann, Arthur W.

Sound Engineering, assignee: *See*—
Mann, Theodore H. and T. G.

Soundscriber Corporation, The, assignee: *See*—
Almquist, Nils T., and De Napoli.
De Napoli, Anthony C., Jr.
Runge, Frank E.

Sourbeck, Randall M., Akron, assignor to Interstate Latex Company, Youngstown, Ohio. Compartmented pillow. 2,589,303, Mar. 18.

Sourdet, Maurice, and J. Martin, assignors to Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture, Paris, France. Preparation of alkali metal salts from alkali metal chlorides. 2,601,066, June 17.

Sourek, Theodore R., Duluth, Minn. Reel cover. 2,618,880, Nov. 25.

Sousa, Gabriel F., Portland, Oreg. Clothespin. 2,607,096, Aug. 19.

Soutar, John, Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Self-clearing blanking dies. 2,605,835, Aug. 5.

South, Charles, deceased, Idaho Falls, Idaho, by D. M. South, administratrix, Idaho Falls, Idaho. Lever and toggle actuated log gripping device. 2,592,205, Apr. 8.

South, Dorothy M., administratrix: *See*—
South, Charles.

Southack, Tilden W.: *See*—
Orshansky, Elias, Jr., Southack, and Kahn.

Southam, Earl A.: *See*—
Davis, Howell F., Southam, and Crossman.

South Bend Bait Company, assignee: *See*—
Beyer, Raymond H.

Souther, Robert E., Jr., Houston, Tex., assignor to National Lead Company, Los Angeles, Calif. Detection of oil in mud-laden well drilling fluids. 2,591,737, Apr. 8.

Southern Air Conditioning Mfg. Co., assignee: *See*—
Rudd, Gene C.

Southern Equipment Company, assignee: *See*—
Muckler, Frank.

Southern Fertilizer & Chemical Company, assignee: *See*—
Brent, Allen D.

Southern Production Company, Inc., assignee: *See*—
Levine, Morris.
Levine, Morris, and Isham.

Southern, Raymond L., Erie, Pa., assignor to General Electric Company. Moisture collecting and removing arrangement. 2,604,760, July 29.

Southern Spindle & Flyer Co., Inc., assignee: *See*—
McGhee, Charles R.

Southern Spring Bed Co., assignee: *See*—
Rocker, William P., Taylor, and Eidson.

Southern Welding & Machine Company, assignee: *See*—
Harmon, Robert R., and Michie.

Southern Wood Preserving Company, assignee: *See*—
Vaughan, Joseph A., and Vinson.

Southern California Glass Co., Inc., assignee: *See*—
Backman, John W.

Southern States Equipment Corporation, assignee: *See*—
Gussow, William A.

South Houston Machine Company, assignee: *See*—
Meador, Horace C.

South Texas National Bank of Houston, executor: *See*—
Jackson, Robert J.

Southward, Ellis W.: *See*—
Southward, Lisle E. and E. W.

Southward, Lisle E., and E. W., Au Gres, Mich. Fishholder. 2,587,007, Feb. 26.

Southwick, Charles A., Jr., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Making containers. 2,584,632, Feb. 5.

Southwick, Charles A., Jr., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Container with fused reinforced seam. 2,584,633, Feb. 5.

Southwick, Orion E., Port Chicago, Calif. Toilet flush tank refill device. 2,591,975, Apr. 8.

Southwick, William S., East Lynn, assignor to Thomson Electric Welder Company, Lynn, Mass. Apparatus for winding-up alternate rolls of lengths of welded wire fabric. 2,587,400, Feb. 26.

Southworth Machine Company, assignee: *See*—
Aberle, Roy F.

Sowa, Frank J., Cranford, N. J. Herbicidal composition. 2,580,474, Jan. 1.

Sowa, Frank J., Cranford, N. J., assignor to American Machine and Foundry Company. Increasing the volume of shredded tobacco. 2,596,183, May 13.

Sowa, Frank J., Cranford, N. J. Modified alkyd resins from an alkyd resin and an alkoxy hydrocarbon silane. 2,605,243, July 29.

Sowa, Frank J., Cranford, N. J. Production of metallic nitrides. 2,606,815, Aug. 12.

Sowa, Frank J., Cranford, N. J. Producing organic mercurials. 2,607,790, Aug. 19.

Sowa, Frank J., Cranford, N. J. Hydraulic apparatus. 2,610,949, Sept. 16.

Sowa, Frank J., Cranford, and E. J. Kenney, Jersey City, N. J., said Kenney assignor to said Sowa. Complex ammonium salts and producing the same. 2,580,473, Jan. 1.

Sowa, Frank J., Cranford, and M. M. Schwartz, Jersey City, N. J., said Sowa assignor to Schwartz. Dental impression composition comprising a copolymer of vinyl chloride and vinyl acetate, di-normal propyl phthalate and a filler. 2,600,134, June 10.

Sowden, Alfred, Arkansas City, Kans. Cargo brace and the like. 2,612,848, Oct. 7.

Sowell, Luther E., Iredell, Tex. Lever actuated spring assembling hand vise. 2,591,210, Apr. 1.

Sower, George W., Cleveland Heights, and H. J. Meyfarth, Willoughby, assignors to Republic Steel Corporation, Cleveland, Ohio. Article lowering and loading device. 2,600,135, June 10.

Sowter, Anthony B., Wembley, assignor to The General Electric Company Limited, London, England. Cold pressure welding. 2,608,887, Sept. 2.

Spacarb, Inc., assignee: *See*—
King, William V.
Parks, Regis E.

Špaček, Antonín, Prague-Branik, assignor of one-half to Tesla, National Corporation, Prague, Czechoslovakia. Method of and device for transforming amplitude modulation into phase modulation. 2,588,302, Mar. 4.

Spack, Maurice, Brookline, Mass., assignor to Connecticut Footwear, Inc., Shelton, Conn. Retainer-welt slipper sock. 2,581,728, Jan. 8.

Spady, Irwin A.: *See*—
Smith, Robert W., and Spady.

Spaenig, Hermann: *See*—
Hopff, Heinrich, Spaenig, and Schuster.

Spaeth, Charles P., Woodbury, and C. P. Williams, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ingition composition. 2,607,672, Aug. 19.

Spaeth, Irvin J., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,587,915, Mar. 4.

Spafford, Ralph W., assignor to The Louden Machinery Company, Fairfield, Iowa. Crane control system. 2,596,347, May 13.

Spagnoli, Paul, San Francisco, Calif. Convertible seatbed. 2,619,657, Dec. 2.

Spahn, Charles F., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna mechanism. 2,585,866, Feb. 12.

Spahn, Hilbert C., Kewanee, Ill. Expanding mandrel. 2,601,419, June 24.

Spahr, John P., Astoria, and A. Cajowski, Floral Park, N. Y. Metal plate rotary fastener. 2,599,207, June 3.

Spahr, Neal B., assignee: *See*—
Young, Henry E., and Farnham.

Spahr, Raymond J., Cranbury, N. J., assignor to The Borden Company, New York, N. Y. Condensation products of phenol, formaldehyde and unsubstituted mononuclear dihydric phenols. 2,614,096, Oct. 14.

Spain, Walter G., and H. C. Simpson, Danville, Va. Saw set. 2,600,027, June 10.

Spain, William P., Villa Park, assignor to E. J. Brach & Sons, Chicago, Ill. Confection machine. 2,590,051, Mar. 18.

Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming method and apparatus. 2,599,418, June 3.

Spalding, A. G., & Bros. Inc., assignee: *See*—
Azton, Benjamin J., Jr.

Spalding, John R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Apparatus for measuring moisture in yarn. 2,615,959, Oct. 28.

Spalding, John R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Apparatus for measuring moisture. 2,621,232, Dec. 9.

Spalding, John R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Apparatus for measuring moisture in sheet material. 2,621,233, Dec. 9.

Spalding, John W., assignor to Eastman Kodak Company, Rochester, N. Y. Film gate for film handling apparatus. 2,621,558, Dec. 16.

Spalding, Joseph E.: *See*—
Libin, Leslie, and Spalding.

Spalding, Kenneth F., Lodi, N. J., assignor to W. F. Stahl, Kenilworth, Ill. Plastic-sealing element. 2,591,383, Apr. 1.

Spalding, Kenneth F., Lodi, N. J., assignor to W. F. Stahl, Kenilworth, Ill. Plastic-sealing machine. 2,595,421, May 6.

Spalding, Kenneth F., Chicago, and F. V. Collins, Des Plaines, assignors to W. F. Stahl, Kenilworth, Ill. Apparatus for sealing plastics. 2,581,977, Jan. 8.

Spalding, Richard O., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Duplex divisible carton. 2,591,629, Apr. 1.

Spang, William F., Milton, assignor to Cube Steak Machine Co., Boston, Mass. Poultry dressing machine. 2,605,496, Aug. 5.

Spang, William F., Cambridge, assignor to Cube Steak Machine Co., Needham Heights, Mass. Meat treating machine. 2,605,497, Aug. 5.

Spang, William H., assignor to St. Clair Machine Products Company, Cleveland, Ohio. Resiliently expanded scraper device for removing carbon from valve guides. 2,584,634, Feb. 5.

Spangenberg, Karl R., Palo Alto, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Automatic frequency control for klystron oscillators. 2,583,023, Jan. 22.

Spangler, Carroll L.: *See*—
Rowe, William W., Spangler, and Frick.

Spangler, William B., Jefferson, Iowa. Interlocking structural units. 2,589,304, Mar. 18.

Spann, Ben A., Denver, Colo., assignor of one-half to W. T. Moyers. Pistol holster. 2,609,979, Sept. 9.

Spanski, Leo, Chicago, Ill. Vending machine for bulk material. 2,584,750, Feb. 5.

Spare, Lola, Pasadena, Calif. Brassière. 2,607,038, Aug. 19.

Sparex Chemical Company, assignee: *See*—
Barnes, Marion D.

Spark Stove Co., Inc., assignee: *See*—
Mitacek, George C., and Hammons.

Sparkletts Drinking Water Corporation, assignee: *See*—
Alex, Max.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner. 2,586,876, Feb. 26.

Sparks, Albert J. and H. R., Lambertville, Mich. Hydraulic safety device. 2,585,511, Feb. 12.

Sparks, Bill E., assignee: *See*—
Jewell, Victor E.

Sparks, Charles H., and F. C. Turner, Eugene, Oreg. Draft head for refuse burners. 2,608,169, Aug. 26.

Sparks, Ernest, Edgware, England. Writing pad. 2,608,771, Sept. 2.

Sparks, George C., Chadds Ford, Pa. Candy box cradle shaper and box feeder. 2,620,607, Dec. 9.

Sparks, Harold E., Temple, Okla. Rub-board bridle support. 2,596,613, May 13.

Sparks, Harvey R.: *See*—
Sparks, Albert J. and H. R.

Sparks, Joseph E., Terre Haute, Ind. Oil testing device. 2,622,471, Dec. 23.

Sparks Machine Tool Corporation, assignee: *See*—
Lomazzo, Edmund J.

Sparks, Morgan: *See*—
Shockley, William, and Sparks.

Sparks, Sidney A.: *See*—
Rouse, Cubb C., and Sparks.

Sparks, William B., Virginia Beach, Va., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Lift control. 2,595,015, Apr. 29.

Sparks, William J.: *See*—
Garber, John D., Young, and Sparks.
Young, David W., and Sparks.
Young, David W., Sparks, and Garber.

Sparks, William J., Westfield, N. J., and R. M. Thomas, Baton Rouge, La., assignors, by mesne assignments, to Jasco, Incorporated. Polymerizing isoolefins using methyl chloride solution of BF_3 as catalyst. 2,585,867, Feb. 12.

Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Copolymers of a polyene, an alkene, and an olefinically unsaturated aromatic hydrocarbon. 2,609,359, Sept. 2.

Sparks, William J., and R. M. Thomas, Westfield, N. J., assignors to Standard Oil Development Company. Nonconjugated higher diolefin homopolymers. 2,612,493, Sept. 30.

Sparks, William J., and R. M. Thomas, Westfield, N. J., and D. C. Field, Baton Rouge, La., assignors to Standard Oil Development Company. Polymethylpentadiene synthetic rubber. 2,615,881, Oct. 28.

Sparks, William J., Westfield, and L. B. Turner, Roselle Park, N. J., assignors to Standard Oil Development Company. Composition of styrene and isobutylene polymers. 2,618,624, Nov. 18.

Sparring, Birger, Stockholm, Sweden. Shelving. 2,622,834, Dec. 23.

Sparrow, Hubert T.: *See*—
Crum, Stephen, and Sparrow.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Engine pressure and speed control device. 2,612,225, Sept. 30.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Overspeed control apparatus. 2,619,342, Nov. 25.

Sparrow, Maxwell E., assignee: *See*—
Feuer, Irving.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction disk separator for double disk clutches. 2,600,520, June 17.

Spatt, Carl, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Textile finishing agent. 2,609,350, Sept. 2.

Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Automotive drive. 2,581,152, Jan. 1.

Spatz, Harry F., Richmond Hill, N. Y. Automobile wheel sander. 2,597,196, May 20.

Spaulding, Carl P., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sector scanning radar device. 2,585,868, Feb. 12.

Spaulding, Glen E.: *See*—
Hawkins, Robert E., and Spaulding.

Spaulding, Lyman R.: *See*—
Applegate, Lindsay M., and Spaulding.

Spaulding, Lyman R., Portland, Oreg. Photographic developing tank. 2,608,923, Sept. 2.

Speaker, Harry B., Neptune, N. J., assignor to the United States of America as represented by the Secretary of the Army. Electric switch. 2,588,424, Mar. 11.

Speaker, Mannie H., and S. Nash, Brooklyn, N. Y. Multiple garment hanger. 2,601,926, July 1.

Speakman, John B.: *See*—
Johnson, Arthur, and Speakman.

Speakman, John B., and N. H. Chamberlain, Leeds, and C. M. C. Dorkin, York, assignors to Alginate Industries Limited, London, England. Production of compounds of alginic acid and its derivatives. 2,584,508, Feb. 5.

Speakman, John B., and A. Crummett, Leeds, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,586,105, Feb. 19.

Speakman, John B., and A. Crummett, Leeds, England, assignors to Celanese Corporation of America. Finishing of textile fabrics. 2,586,106, Feb. 19.

Spear, J. W., & Sons Limited, assignee: *See*—
Pick, Arnost.

Spear, Walter A., assignor to NuTone, Inc., Cincinnati, Ohio. Grill for ventilating fans. 2,584,933, Feb. 5.

Spear, Wesley J., Cleveland Heights, Ohio. Pivotal disk clamp. 2,614,783, Oct. 21.

Spearow, Ralph, Portland, Oreg. Method and apparatus for producing oil wells. 2,593,497, Apr. 22.

Spears, Ralph A., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Mounting arrangement for plated piezoelectric crystals. 2,597,757, May 20.

Specht, Edward H.: *See*—
Neher, Harry T., Specht, and Neuman.

Specht, Edward H., Philadelphia, A. Neuman, North Hills, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of acrylic acid and its anhydride. 2,613,222, Oct. 7.

Specht, Harold L., Parma, Ohio. Roller skate wheel. 2,606,791, Aug. 12.

Specht, Theodore R., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct current measuring apparatus. 2,605,302, July 29.

Special Equipment Company, assignee: *See*—
Ewald, Raymond L., and Skog.
Kingsbury, William A.
Skog, Henry A.

Special, Salvatore T., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Detonating explosion type rivets. 2,615,591, Oct. 28.

Specialized Instruments Corporation, assignee: *See*—
Pickels, Edward G.
Scofield, Philip F.

Specialties Development Corporation, assignee: *See*—
Freygang, Walter H.
Gordon, Leo.
Grant, Harry C., Jr.
Grant, Harry C., Jr., and Uhl.
Griggs, Nelson S.
Hannant, Theodore N.
Heigis, Henry E.
Heizer, Edward J.
Manhartsberger, Albert.
Mapes, Daniel.
Mapes, Daniel, and Thomsen.
Pamp, Clarence T., Jr.
Parsons, Floyd B.
Schmidlin, Albertus E.
Squier, Donald R.
Stroop, John H.
Warwick, John.

Specialties, Inc., assignee: *See*—
Raspet, August.

Specialty Brake Appliance Company, assignee: *See*—
James, Thomas, Jr.

Specialty Papers Company, The, assignee: *See*—
Ireton, Carl A.

Specific Pharmaceuticals, Inc., assignee: *See*—
Lovas, Joseph J.

Speck, Harvey C., assignee: *See*—
Wegs, Arthur F.

Speck, William H., assignor to Lindberg Engineering Company, Chicago, Ill. Valve. 2,592,352, Apr. 8.

Speckin, Alfred P., assignor to United States Drill Head Co., Cincinnati, Ohio. Adjustable multiple spindle head. 2,608,112, Aug. 26.

Speckman, John P., East St. Louis, Ill. Light reflector attachment for use on dry cells. 2,585,869, Feb. 12.

Speckmann, Robert E., Gary, Ind., assignor to Shell Development Company, San Francisco, Calif. Differential hydrostatic pressure type device. 2,623,390, Dec. 30.

Spectator Optical Products Limited, assignee: *See*—
Russell, John R. K., and Prasser.

Spector, Maurice A., Syracuse, N. Y. Shoulder strap gripper. 2,608,326, Aug. 26.

Spector, Sam, Shaker Heights, and G. J. Teplanszki, Lakewood, assignors to Tilt-Type Products, Inc., Cleveland, Ohio. Storm window. 2,595,016, Apr. 29.

Spedding, Raymond T., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Power-fed, timber-mowing tractor mounted saw. 2,597,395, May 20.

Speed Development Company Limited, assignee: *See*—
Ruffle, William H.

Speed Products Company, Inc., assignee: *See*—
Henriksen, Ernst J. J.
Nellsen, Hildaur L.
Ruskin, Henry.

Speedryer, Inc., assignee: *See*—
Bunting, Albert L.

Speed-Meal Corporation, assignee: *See*—
Holbik, Frank J.
Strom, Clifton O.
Wenscott, Max B., and Strom.

Speed-O-Print Corporation, assignee: *See*—
Denison, William E., and Wimmer.

Speed Queen Corporation, assignee: *See*—
Thiele, Berthold R.

Speedwheel N. V., assignee: *See*—
Geesink, Jacobus J.

Speicher, Gerald W., assignee: *See*—
Healyilin, Charles R.

Speicher, Wallace L., assignee: *See*—
Healyilin, Charles R.

Speier, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silicon-containing esters. 2,582,568, Jan. 15.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silicon-containing alcohols. 2,582,569, Jan. 15.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Silylphenoxyalcohols. 2,584,751, Feb. 5.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trimethylsilylphenoxy esters. 2,584,752, Feb. 5.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Bis-phenylol silanes. 2,611,776, Sept. 23.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Phenylol silanes and resins therefrom. 2,611,777, Sept. 23.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Halophenoxysilanes. 2,611,778, Sept. 23.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trialkylsilylphenoxysilanes. 2,611,779, Sept. 23.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Bis-trialkylsilylphenoxysilanes. 2,611,780, Sept. 23.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Triorganosilylphenoxysilanes. 2,611,781, Sept. 23.

Speig, Karl M., Pacoima, Calif. Toothbrush construction. 2,621,352, Dec. 16.

Spelbring, Arthur R., Rochester, Mich. Jig saw. 2,598,850, June 3.

Spellman, Erick: *See*—
Erickson, Charles, and Spellman.

Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
Thompson, Charles C.

Spence, Harry R., Jr., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Rupture disk assembly. 2,608,719, Sept. 2.

Spence, Henry D., Plymouth, Mich. Lamp having hollow translucent lamp-socket-supporting members containing translucent electrolyte. 2,589,448, Mar. 18.

Spence, Henry U., Painesville, Ohio. Socket wrench. 2,601,798, July 1.

Spence, John, Hackensack, N. J. Rocking chair. 2,592,756, Apr. 15.

Spence, John W., Hubbard, Oreg. Pounding toy. 2,609,637, Sept. 9.

Spence, Murrell R., North Hollywood, and N. O. A. Hayman, Alhambra, Calif. Door hanger. 2,618,808, Nov. 25.

Spence, Oswald, Hattiesburg, assignor to Masonite Corporation, Laurel, Miss. Making hardboard and the like containing furfuryl alcohol resins. 2,612,445, Sept. 30.

Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Temperature control device. 2,583,236, Jan. 22.

Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Float valve and the like. 2,587,401, Feb. 26.

Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Steam economizing system. 2,609,990, Sept. 9.

Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Pilot-operated valve. 2,611,218, Sept. 23.

Spence, Thomas E., Madison, Wis. Tobacco pipe. 2,583,900, Jan. 29.

Spencer, Arthur, and J. Hewitt, Westminster, London, assignors to Vickers-Armstrongs Limited, London, England. Servomotor control for rotary pump and motor hydraulic transmissions. 2,606,423, Aug. 12.

Spencer, Arthur M., Santa Fe, N. Mex., A. Jacobson, Cleveland, and K. Sixt, East Cleveland, Ohio. Fiber beater for the liberation of cellulose fibers. 2,592,481, Apr. 8.

Spencer, Benjamin F., Garden City, N. Y., assignor to The Sperry Corporation. Cathode-ray tube voltage measuring device. 2,591,738, Apr. 8.

Spencer, Benjamin F., Garden City, N. Y., assignor to The Sperry Corporation. Automatic gain control system. 2,611,081, Sept. 16.

Spencer, Burdell D., Oxon Hill, Md., assignor to the United States of America as represented by the Secretary of the Army. Adjustable shoe. 2,591,211, Apr. 1.

Spencer, Earl F., Vancouver, British Columbia, Canada. Portable saw welding clamp. 2,610,600, Sept. 16.

Spencer, Edward, assignee: *See*—
Slyk, Stanley S.

Spencer, Effie P., coadministrator: *See*—
Spencer, Harlan L.

Spencer, Frederick J., assignee: *See*—
Slyk, Stanley S.

Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Foaming apparatus. 2,581,918, Jan. 8.

Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for and method of forming filaments. 2,581,922, Jan. 8.

Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Cross-wind position control. 2,605,054, July 29.

Spencer, George D., Erdington, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Nozzle for bottles. 2,620,110, Dec. 2.

Spencer, Harlan L., deceased, Bremen, Ind.; E. P. Spencer and The National Bank and Trust Company of South Bend, coadministrators. House trailer construction. 2,595,613, May 6.

Spencer, Harry H.: *See*—
Hamilton, Billy H., and Spencer.

Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit protection apparatus. 2,624,036, Dec. 30.

Spencer, Herman J., Ingomar, Pa. Fastener applying device. 2,603,782, July 22.

Spencer, Herman J., Ingomar, Pa. Fastener applying device. 2,617,097, Nov. 11.

Spencer, James A., Teaneck, N. J., and E. R. Liberg, Brooklyn, N. Y., assignors to Radio Corporation of America. Relay storage and switching arrangement. 2,621,250, Dec. 9.

Spencer, Lee, Phoenix, Ariz. Heavy-duty tie plate and light rail adapter therefor. 2,583,610, Jan. 29.

Spencer, Lloyd, Los Angeles, assignor of thirty-three and one-third per cent to T. C. Bannon, Altadena, and thirty-three and one-third per cent to J. D. Chestnut, Newport Beach, Calif. Gun perforator. 2,593,620, Apr. 22.

Spencer, Lloyd, Los Angeles, assignor of one-third to T. C. Bannon, Altadena, and one-third to J. D. Chestnut, Newport Beach, Calif. Gun perforator. 2,598,651, May 27.

Spencer, Lyle S., assignee: *See*—
Morris, Charles E.

Spencer, Nye S., Merion, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Interrupting capacity calculator for low-voltage alternating current distribution systems. 2,585,595, Feb. 12.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic cooking. 2,582,174, Jan. 8.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Radio object-locating system. 2,584,509, Feb. 5.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency apparatus. 2,593,067, Apr. 15.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Coffee brewing. 2,601,067, June 17.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Producing fluorescent screens. 2,601,178, June 17.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Treating foodstuffs. 2,605,383, July 29.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Anode structure for electron discharge devices. 2,612,623, Sept. 30.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave amplifier. 2,620,458, Dec. 2.

Spencer, Ralph D.: *See*—
Blomquist, Alfred T., and Spencer.
Spencer, Thomas, Rossendale, and A. E. Salmon, Marple, England; said Salmon assignor to said Spencer. Making shoes using polymerizable plastic layers. 2,601,007, June 17.
Spencer, William G., Burbank, Calif. Automatic bicycle transmission. 2,600,586, June 17.
Spengler-Loomis Manufacturing Co., assignee: *See*—
Markvart, Edwin J.
Sperber, Edward J., Philadelphia, Pa., assignor to Radio Corporation of America. Radio receiver sequence tuner. Re. 23,474, Mar. 18.
Sperber, Herbert, assignee: *See*—
Rotheraine, Jerome H.
Sperber, Nathan, Bronx, D. Papa, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Imidazolinylalkyl ethers of pyridylcarbinols. 2,580,475, Jan. 1.
Sperber, Nathan, Bloomfield, N. J., D. Papa, Brooklyn, N. Y., and E. Schwenk, Shrewsbury, Mass., assignors to Schering Corporation, Bloomfield, N. J. Propylamine type antihistamines. 2,604,473, July 22.
Sperberg, Lawrence R.: *See*—
Prentiss, Spencer S., and Sperberg.
Troyan, James E., and Sperberg.
Sperling, William: *See*—
Tappert, John G., and Sperling.
Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.
Spero, George B., R. H. Levin, and F. W. Heyl, assignors to The Upjohn Company, Kalamazoo, Mich. Dehydration of steroid side-chain secondary alcohols. 2,589,305, Mar. 18.
Sperring, Robert H., Oak Park, Ill., assignor to N. T. Shepherd Chair Company, Salt Lake City, Utah. Adjustable chair construction. 2,595,901, May 6.
Sperry, Charles F., Burbank, assignor, by mesne assignments, to H. C. Thomas, Pasadena, Calif. Bermuda type metal shingled roof. 2,592,482, Apr. 8.
Sperry Corporation, The, assignee: *See*—
Ayres, Waldemar A.
Baggette, Thomas L., and Copithorne.
Barkalow, Clare E.
Baskerville, Benjamin J.
Bates, Mortimer F.
Braddon, Frederick D.
Braddon, Frederick D., Beach, Delanty, and Vacquier.
Brewer, Alexander F.
Carter, Leslie F.
Chodorow, Marvin.
Cohn, Seymour B.
Cornes, Randolph W.
Crist, Philip W.
Curry, Robert S., Jr.
Dawson, Edward.
Edwards, Robert S.
Essex Alois, Garrett, and Kallenberg.
Esval, Orland E.
Ferrill, Thomas M., Jr.
Frank, Karl F.
Garbarini, Robert F.
Garbarini, Robert F., and Ericson.
Garrett, Elmer E., Essex, and Hampton.
Ginzton, Edward L.
Ginzton, Edward L., Hansen, and Varian.
Glenny, Arthur P.
Goertz, Raymond C.
Haglund, Howard H.
Halpert, Percy.
Hamilton, Donald R.
Hansen, William W.
Hansen, William W., and Barlow.
Hansen, William W., and Moreno.
Hansen, William W., and Varian.
Hansford, Reginald F.
Harcum, William M.
Harcum, William M., and Bull.
Harcum, William M., and Slater.
Harris, Herbert, Jr.
Harrison, Arthur E.
Haskins, Robert, Jr.
Hauser, Arthur A.
Hays, Robert F., Jr.
Holschuh, Carl G., White, Mieher, and Shepherd.
Jaynes, Edwin T.
Jenks, Frederic A.
Karlson, John E.
Kellogg, Spencer, 2nd.
Kellogg, Spencer, II, Hays, and Barkalow.
Kenyon, David E.
Kenyon, David E., and Hammond.
Lancor, Joseph H., Jr.
Lancor, Joseph H., Jr., and Binns.
Lang, Gregor L.
Learned, Vincent R.
Lester, John M., and Wilkerson.
Lundstrom, Oscar.
Lyman, Joseph, and Litchford.
McCoy, Rawley D.
McCoy, Rawley D., and Kusto.
McKenney, Henry F., and Lieske.
Moreno, Theodore.
Sperry Corporation, The, assignee: *See*—Continued.
Morrow, Charles T.
Mozley, Robert F.
Nash, John.
Newton, John C.
Palmer, Winslow.
Peters, John L., and Isbister.
Pine, Cecil C.
Pine, Cecil C., and Sharp.
Poitras, Edward J., and Tear.
Price, Harold L.
Proskauer, Richard.
Ratliff, William H., Jr.
Rawlings, Arthur L., and Thompson.
Rawlins, Joseph A.
Richardson, Frank L., and Cronin.
Rogacki, Lester K.
Sensiper, Samuel, Muchmore, and Hupcey.
Shepherd, James E., and Guiles.
Slater, John M.
Snow, Donald L., Ginzton, and Hamilton.
Spencer, Benjamin F.
Thomas, Eric L.
Thompson, Herbert H.
Tracy, William L.
Varian, Russell H.
Varian, Sigurd F.
Varian, Sigurd F. and R. H.
Wathen, Robert L.
Welsh, Orme, and Noreen.
White, Gifford E., Graef, and La Forge.
Wilkerson, Jefferson R.
Woodyard, John R.
Wrigley, Walter.
Zaslavsky, Sam.
Sperry, Edward B., assignor to Moe Light, Inc., Fort Atkinson, Wis. Pendant mounting for lighting fixtures and the like. 2,602,623, July 8.
Sperry, Paul A., New Haven, Conn. Heddle for weaving devices. 2,596,445, May 13.
Sperry Products, Inc., assignee: *See*—
Drake, Harcourt C.
Firestone, Floyd A.
Firestone, Floyd A., and De Lano.
Mesh, William E.
Straehl, Robert N.
Webb, Robert H.
Williams, Ross E.
Sperry-Sun Well Surveying Company, assignee: *See*—
Butterworth, Gilbert J.
Cabaniss, Bert A.
Kothny, Gottdank L.
Krueger, William F.
Ring, Roland.
Young, Elnar T.
Sperti, George: *See*—
Embshoff, George F., and Sperti.
Sperti, George, assignor to The Institutum Divi Thomae Foundation, Cincinnati, Ohio. Concentration of orange juice. 2,588,337, Mar. 11.
Spessard, Dwight R.: *See*—
Zisman, William A., Wolfe, Baker, and Spessard.
Spevak, Otto F., Berwyn, Ill. Traction device. 2,598,851, June 3.
Spialter, Leonard, Newark, N. J., and C. A. MacKenzie, New Orleans, La., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. In the method of making finely divided silica, the production of a combustible mixture comprising chloro silicon hydrides. 2,614,906, Oct. 21.
Spicer, Alvin W., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid pressure operated inflation control. 2,623,533, Dec. 30.
Spicer, Curtis: *See*—
Alexander, Robert H., and Spicer.
Spicer, William E.: *See*—
Watts, Rhea N., and Spicer.
Spickler, Joseph G., assignor of four-fifths to T. E. Decker, Rockford, Ill. Cattle feed conveying and dispensing apparatus. 2,615,424, Oct. 28.
Spicknall, Fred L., assignee: *See*—
Dirksen, Theodore L.
Spiegel, Joseph M., Palo Alto, Calif. Football game apparatus. 2,580,616, Jan. 1.
Spiegel, Lawrence, Bronx, C. Behensky, Rockland Lake, and M. Druck, Lido Beach, assignors to House Beautiful Curtains, Inc., New York, N. Y. Curtain. 2,584,635, Feb. 5.
Spiegelberg, Hans: *See*—
Kirchensteiner, Hans, Spiegelberg, and Lindlar.
Spiegelberg, Hans, and G. Rey-Bellet, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. M-allyl-oxy-phenyl-isothiocyanate. 2,595,723, May 6.
Spielberg, Sam S., New York, N. Y., assignor to Brooklyn Hospital Equipment Co. Inc., Johnstown, Pa. Foot-operated clutch mechanism for physician's examination tables. 2,588,174, Mar. 4.
Spielman, James F., Torrington, Conn. Turnbuckle safety-locking sleeve and combination involving same. 2,609,220, Sept. 2.
Spielman, Warren L., Louisville, Ky., assignor to Curtiss-Wright Corporation. Release mechanism. 2,585,870, Feb. 12.

Spierer, Edward D., assignor to Edl Holding, Inc., Brooklyn, N. Y. Drying apparatus. 2,606,274, Aug. 5.
Spiers, Walter A., Akron, Ohio. Vulcanizing apparatus for V-belts. 2,602,961, July 15.
Spies, George R., Jr., Berkley Heights, N. J., assignor to Air Reduction Company, Incorporated. Air-cooled gas heating torch. 2,618,321, Nov. 18.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Heat transfer element. 2,584,239, Feb. 5.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Unit heater. 2,600,933, June 17.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Adjustable deflector. 2,600,934, June 17.
Spiewak, Ignace J., New York, N. Y. Smoking pipe cleaner. 2,586,877, Feb. 26.
Spiller, Joseph M., Honolulu, Territory of Hawaii. Chance controlled game apparatus. 2,610,855, Sept. 16.
Spiller, William R., and F. W. Varwig, Dayton, assignors to Harris-Seyboid-Potter Company, Cleveland, Ohio. Cutting machine. 2,599,591, June 10.
Spillman, Gordon C., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic fluid brake. 2,607,542, Aug. 19.
Spillman, Kenneth W., Whittier, Calif. Multiple molding by thermoplastic injection. 2,587,070, Feb. 26.
Spillmann, Max: *See*—
Hoffmann, Karl, and Spillmann.
Spindel-, Motoren- und Maschinenfabrik A. G., assignee: *See*—
Beerli, Karl.
Spindler, Joseph C., assignor to The Rauland Corporation, Chicago, Ill. Automatic volume control. 2,617,929, Nov. 11.
Spindler, Kurt P., Hasbrouck Heights, assignor to Ernest A. Feustel, Inc., Lodi, N. J. Yarn carrier tube. 2,600,935, June 17.
Spindt, Alvin E., South Chicago, Ill. Bowling pin tumbler. 2,617,238, Nov. 11.
Spindt, Roderick S., Gibsonia, and D. R. Stevens, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Synthesis of esters of thioldimethylvaleric acid. 2,611,783, Sept. 23.
Spingarn, Arnold, Philadelphia, Pa. Hand-carried sprinkler. 2,613,110, Oct. 7.
Spinka, Josef, and J. Stampfer, Prague, Czechoslovakia. Producing stable garlic preparations. 2,618,561, Nov. 18.
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Separable binder ring assembly. 2,602,542, July 8.
Spinner, Isidore and H. W. Dahly, assignors to Plastic Binding Corporation, Chicago, Ill. Plastic binding machine. 2,593,805, Apr. 22.
Spinney, Frank R., San Mateo, assignor of sixteen and two-thirds per cent to J. Kirk, sixteen and two-thirds per cent to O. Jones, thirty per cent to C. J. Jones, sixteen and two-thirds per cent to T. G. Jones and ten per cent to R. G. Baender, Delano, and five per cent to C. F. Webb, Pasadena, Calif. Pump valve. 2,603,452, July 15.
Spinney, Lawrence F., Oakland, Maine, assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Apparatus for assembling a predetermined quantity of sticks. 2,589,886, Mar. 18.
Spinnler, Viktor, Basel, Switzerland. Vise with anti-tilting means for the movable jaw. 2,592,076, Apr. 8.
Spinnler, Wilhelm, Bonstetten, and J. Bacher, Zurich, Switzerland, assignors to F K G Fritz Kesselring Geratebau Aktiengesellschaft. Vacuum-tight glass-metal joint for vessels containing cesium vapor. 2,617,068, Nov. 4.
Spiral Bagging Machine Corporation, assignee: *See*—
Gardner, Percy.
Spiri, Willy H., Whittier, assignor to Abegg & Reinhold Co., Los Angeles, Calif. Movable gripping unit for pipe wrenches. 2,591,887, Apr. 8.
Spirt, Milton, and J. Goldman, New York, N. Y., said Goldman assignor to said Spirt. Television antenna. 2,608,657, Aug. 26.
Spiselman, Louis: *See*—
Rosenberg, George, and Spiselman.
Spitalny, Fred, Hillside, N. J. Compact holder with retractable brush. 2,604,648, July 29.
Spitz, Isidor, assignor to American-National Bag & Burlap Co., Inc., Brooklyn, N. Y. Elevating and lowering device for baling presses and the like. 2,600,587, June 17.
Spitzer, William C.: *See*—
Walton, William T., and Spitzer.
Spitzley, Henry A., Portland, Mich. Portable power-driven planer. 2,600,279, June 10.
Spitzmueller, Kurt H.: *See*—
Young, Harland H., and Spitzmueller.
Spiadis Societe Pour L'Application D'Inventions Scientifiques, Luxemburg, assignee: *See*—
Esnault-Pelterie, Robert.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,584,934, Feb. 5.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Adjusting ophthalmic mountings. 2,599,789, June 10.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Eye protection device. 2,603,785, July 22.
Splicedwood Corporation, assignee: *See*—
Seidel, Gustav A.
Split Ballbearing Corporation, assignee: *See*—
Pierce, Winslow S., Jr.
Spo, Inc., assignee: *See*—
Young, Lester C.
Spodig, Heinrich, Dortmund-Wambel, Germany. Magnetic system. 2,613,246, Oct. 7.
Spohn, Earl M.: *See*—
Temple, Robert B., and Spohn.
Spolek pro chemickou a hutni vyrobu, narodni podnik, assignee: *See*—
Ettel, Viktor.
Sponenburg, Norman S., Gurnee, Ill. Adjustable safety device for boat anchors. 2,608,174, Aug. 26.
Sponge Products Corporation, assignee: *See*—
Greenleaf, Nathaniel B., and Webster.
Sponge Rubber Products Company, The, assignee: *See*—
Talalay, Joseph A.
Spool Cotton Company, The, assignee: *See*—
Bjoro, Edvin F.
Spooner, David C., Jr., Westport, Conn., assignor to General Electric Company. Temperature responsive signaling and locating system. 2,581,213, Jan. 1.
Spooner, David C., Jr., Westport, and M. S. Greenhalgh, Bridgeport, Conn., assignors to General Electric Company. Electrically heated fabric. 2,581,212, Jan. 1.
Spooner, David C., Jr., Westport, and R. G. Holmes, Bridgeport, Conn., assignors to General Electric Company. Thermostatic switch. 2,605,372, July 29.
Spooner Dryer & Engineering Company Limited, The, assignee: *See*—
Spooner, William W.
Spooner, William W., Ilkley, England. Treatment of textiles. 2,584,753, Feb. 5.
Spooner, William W., assignor to The Spooner Dryer & Engineering Company Limited, Ilkley, England. Machine for the treating of web material. 2,584,754, Feb. 5.
Spooner, William W., Ilkley, England. Nozzle for the ejection of fluid streams. 2,593,357, Apr. 15.
Spooner, William W., Ilkley, England. Apparatus for steaming webs. 2,621,504, Dec. 16.
Sportsman, Robert J., Marceline, Mo. Multipurpose bookrack. 2,620,929, Dec. 9.
Sporzynski, Adam P.: *See*—
Twiss, Sumner B., and Sporzynski.
Spracklen, John G.: *See*—
Adler, Robert, and Spracklen.
Spracklen, Stanford B., St. Albans, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Apparatus for measuring the combustible content of a gas. 2,619,409, Nov. 25.
Spradlin, Sammy J., Ashland, Ky. Model airplane control. 2,588,891, Mar. 11.
Sprague, Boyd F., Klamath Falls, Oreg. Tool for removing partial dentures. 2,602,998, July 15.
Sprague, Boyd F., Klamath Falls, Oreg. Dental screw insert. 2,609,604, Sept. 9.
Sprague, Chester E., and A. L. Judson, assignors to Iron Fireman Manufacturing Company, Portland, Oreg. Electric centrifugal switch. 2,586,734, Feb. 19.
Sprague Devices, Inc., assignee: *See*—
Sprague, Frank, and Nichols.
Sprague Electric Company, assignee: *See*—
Allison, William M.
Brooks, Lester A., Markarian, and Nazzewski.
Dorst, Stanley O.
Robinson, Preston.
Robinson, Preston, and Reid.
Ross, Sidney D.
Ross, Sidney D., and Markarian.
Ross, Sidney D., Markarian, and Nazzewski.
Sprague, Frank, and E. F. Nichols, assignors to Sprague Devices, Inc., Michigan City, Ind. Positioning device for windshield wipers. 2,616,400, Nov. 4.
Sprague, Guy E., Rochester, Ind. Yieldable chain link. 2,589,887, Mar. 18.
Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. N-amylsulfamyl benzoic acids. 2,608,508, Aug. 26.
Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. N-benzylsulfamyl benzoic acid. 2,608,510, Aug. 26.
Sprague, James M., Drexel Hill, and A. H. Land, Ridley Park, Pa. Substituted heterocyclic compounds. 2,580,476, Jan. 1.
Sprague, James M., Drexel Hill, and C. S. Miller, Prospect Park, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Arylsulfamyl benzoic acids. 2,608,506, Aug. 26.
Sprague, James M., Drexel Hill, and K. H. Beyer, Jr., Bala Cynwyd, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Composition containing penicillin and an adjuvant of the general formula $R_1CH_2SO_2NHR_2COOH$. 2,608,509, Aug. 26.
Sprague, Richard E., Redondo Beach, and D. E. Eckdahl, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Zero detector for electronic counters. 2,621,854, Dec. 16.

Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Styryl photographic filter and antihalation dyes. 2,622,082, Dec. 16.

Sprague, Robert M., Pittsburgh, Pa. Garment hanger. 2,613,858, Oct. 14.

Sprague, Theodore S., and B. N. McDonald, Aurora, Ill., assignors to The Babcock & Wilcox Company, New York, N. Y. Temperature control system for a fluid under pressure. 2,594,818, Apr. 29.

Spransy, Brower C.: *See*—
Cameron, Iverson I., and Spransy.

Spratt, George G., Chester, Conn. Airplane with pivotally mounted sustaining wing. 2,623,712, Dec. 30.

Sprauer, Jerome W., Niagara Falls, N. Y., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of water-soluble lithium salts from lithium alkali phosphates. 2,595,176, Apr. 29.

Sprauer, Jerome W., Roslyn, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of calcium hypochlorite. 2,587,071, Feb. 26.

Sprauer, Jerome W., Niagara Falls, N. Y., and O. S. Sprout, Jr., North Hills, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Handling of fluoboric acid. 2,584,819, Feb. 5.

Spray-Engineering Company, assignee: *See*—
Thompson, Wayne B.

Spraying Systems Co., assignee: *See*—
Wahlin, Fred W.

Spreckels Sugar Company, assignee: *See*—
Armer, Austin A.

Spreckles, Adolph, assignee: *See*—
Fosnaugh, Benjamin S.

Spreng, Charles G., Denison, Iowa. Power-operated magazine wrench. 2,616,322, Nov. 4.

Spreng, Warren M., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Apparatus for spraying. 2,587,240, Feb. 26.

Spreng, Warren M., and W. H. Zehner, assignors to The F. E. Myers & Bro. Co., Ashland, Ohio. Orchard sprayer. 2,583,753, Jan. 29.

Sprengle, William L., Pittsburgh, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Pilot wire control for automatic reclosing circuit breakers. 2,580,858, Jan. 1.

Sprich, Emil M., St. Louis, Mo. Pivoted lever crown cap remover. 2,593,358, Apr. 15.

Sprigg, Edward A., assignor to H. H. Buggie & Company, Toledo, Ohio. Motion transmitting device. 2,610,525, Sept. 16.

Spriggs, John E., assignor to Pictorial Machinery Limited, London, England. Horizontal locking device for copyholders. 2,603,126, July 15.

Spring, Frank S.: *See*—
Toncray, Millard H., and Spring.

Spring, Harry W., Waterbury, Conn. Toolmaker's parallel screw clamp. 2,581,978, Jan. 8.

Spring, Nello Verne, Bogalusa, La. Automatic sanitary water system for battery brooders. 2,585,698, Feb. 12.

Spring, Samuel, and L. F. Peale, Philadelphia, Pa. Rapid method of analyzing emulsions and fatty mineral oils. 2,606,818, Aug. 12.

Springate, Maurice S., Oaklands, assignor to Aviation Developments Limited, Welwyn Garden City, Herts, England. Feeding device for rivets or similar articles. 2,595,551, May 6.

Springer, Abraham J., executor: *See*—
Tannenbaum, Morris L.

Springer, Herbert W., Quakertown, Pa. Fold catching mechanism for cloth piling machines. 2,615,712, Oct. 28.

Springer, Karl A., Philadelphia, Pa. Combined gauge and grooving device for dowel pins and the like. 2,612,193, Sept. 30.

Springer, William K., Lansing, Mich. Pneumatically casting cores. 2,607,967, Aug. 26.

Springer, William S.: *See*—
Michaelson, Stanley D., and Springer.

Springfield Leather Products Company, The, assignee: *See*—
Whitmer, William R.

Springfield Machine Tool Co., The, assignee: *See*—
Montanus, Richard C.
Montanus, Richard C., Mumma, and Davies.

Springford, Vernon H., assignor of one-third to Sherman B. Daugherty, Evansville, Ind. Kitchen press. 2,591,311, Apr. 1.

Springs Cotton Mills, Inc., The, assignee: *See*—
Still, Conway L.

Sprinkel, Robert B., Takoma Park, Md., H. D. Umstott, Washington, D. C., and H. E. Knight, Jr., Arlington, Va. Detachable auxiliary steering wheel for dual control assemblies. 2,584,636, Feb. 5.

Sprinkel, Robert B., Takoma Park, Md., H. D. Umstott, Washington, D. C., and H. E. Knight, Jr., Arlington, Va. Dual control clutch and brake mechanism for motor vehicles. 2,589,975, Mar. 18.

Sprinkle, Eugene, St. Paul, Minn. Hair clip. 2,584,637, Feb. 5.

Sprinkman, W. M., Corporation, assignee: *See*—
O'Meara, James P.

Sproul, John C., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Haulage apparatus for mining machines. 2,581,052, Jan. 1.

Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Sandard Oil Development Company. Rust-preventing lubricant. 2,587,545, Feb. 26.

Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Brick grease composition. 2,591,630, Apr. 1.

Sproule, Lorne W., Sarnia, W. C. Pattenden, Courtright, and L. F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Manufacturing hydroxy acid greases and product thereof. 2,607,734, Aug. 19.

Sproule, Lorne W., L. F. King, and W. C. Pattenden, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Alkaline earth metal soap greases. 2,607,735, Aug. 19.

Sproule, Lorne W., W. C. Pattenden, and L. F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Keto-acid soap greases. 2,613,182, Oct. 7.

Sproull, Robert L., Penns Neck, N. J., assignor to Radio Corporation of America. Measuring microwave frequencies. 2,580,968, Jan. 1.

Sproull, Robert L., Penns Neck, N. J., assignor to Radio Corporation of America. Magnetron. 2,592,206, Apr. 8.

Sprout, Oliver S., Jr.: *See*—
Sprauer, Jerome W., and Sprout.

Sprucinski, Walter J., Torrington, Conn. Dispensing container for granular materials with built-in measuring trap. 2,619,264, Nov. 25.

Spruck, Anthony, Milwaukee, Wis. Drink measuring and registering device. 2,602,576, July 8.

Sprules, Francis J., Arlington, and J. B. Bell, Jr., Locust, assignors to Nopco Chemical Company, Harrison, N. J. Preparation of N-alkyl arylamines. 2,608,584, Aug. 26.

Sprung, Abraham, Brooklyn, N. Y. Design roller. 2,610,582, Sept. 16.

Sprung, Abraham, Brooklyn, N. Y. Coating device. 2,616,367, Nov. 4.

Sprung, Abraham, Brooklyn, N. Y. Street sign. 2,622,357, Dec. 23.

Sprung, Douglas L., Montreal, Quebec, Canada. Armrest. 2,592,702, Apr. 15.

Sprung, Joseph A., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Printing fabrics with aryl sulfonhydrazides. 2,593,930, Apr. 22.

Sprung, Joseph A., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Bis-β-aromatic sulfonhydrazides. 2,595,017, Apr. 29.

Sprung, Murray M.: *See*—
Wilcock, Donald F., and Sprung.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. High-boiling esters as solvents for polychlorotrifluoroethylene. 2,581,453, Jan. 8.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Suspensions of polymeric chlorotrifluoroethylene. 2,581,454, Jan. 8.

Sprung, Richard W.: *See*—
Steiner, Wilfred A., and Sprung.

Sprunger, Jacob J., assignor of twenty-five per cent to W. E. Frederick, Fort Wayne, Ind. Pliers. 2,583,346, Jan. 22.

Spry, Hiram A., Munith, Mich. Disinfecting seed potato cutter. 2,601,233, June 24.

Spurgeon, Samuel J., Birmingham, Ala. Hold-down clip for idler rolls. 2,586,270, Feb. 19.

Spurgeon, Samuel J., and R. O. Kimbro, Birmingham, Ala., said Kimbro assignor to said Spurgeon. Troughing roll. 2,592,831, Apr. 15.

Spurlin, William G., assignor to Harry Ferguson, Inc., Dearborn, Mich. Twin reel side delivery rake. 2,597,828, May 20.

Spurlin, William G., Dearborn, and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Adjustable wheel assembly. 2,613,113, Oct. 7.

Spurling, Sherman D., assignor, by mesne assignments, to S. D. Spurling and R. C. Collins, Athens, Tenn. Fire alarm system. 2,605,342, July 29.

Spurlino, Pascal, Oakwood, and M. D. Frost, assignors to The National Cash Register Company, Dayton, Ohio. Selectable recording means for accounting machines. 2,604,041, July 22.

Spurlock, James J., Denton, Tex. 5-substituted-5-(2-thienyl) hydantoins. 2,591,103, Apr. 1.

Spurr, Robert, Syracuse, N. Y., assignor to Ex-Cell-O Corporation, Detroit, Mich. Mechanism for charging containers. 2,611,525, Sept. 23.

Square Manufacturing Company, assignee: *See*—
Arnett, Leslie.

Square D Company, assignee: *See*—
Anger, Ernest G.
Anger, Ernest G., and Mierendorf.
Bierenfeld, Josef.
Jackson, John G.
Mekelburg, Earl F.
Mekelburg, Earl F., and Shallcross.
Pettit, Dorn L.
Schaefer, Carl A.
Smith, Russell J., and Marcotte.
Van Valkenburg, Hermon L., and Sedgwick.

Square Grip Reinforcement Company (London) Limited, The, assignee: *See*—
Clegg, Gordon L.

Squibb, E. R., & Sons, assignee: *See*—
Cleary, Thomas F., Jr.
Lott, William A., and Pribyl.
Percopo, Michael W.

Squier, Donald R., Pompton Plains, assignor to Specialties Development Corporation, Belleville, N. J. Heat detecting cable. 2,587,916, Mar. 4.

Squiers, Max U., La Grange, Ill., assignor to Charles Peckat Manufacturing Co. Visor for vehicles. 2,594,231, Apr. 22.

Squire, Alexander C. A., Bloxwich, England. Control mechanism for change-speed gearing on motor vehicles. 2,584,058, Jan. 29.

Squires, Fred H., Arcadia, Calif. Boat loading and carrying means. 2,584,163, Feb. 5.

Squires, Frederick: *See*—
Merriam, Edmund S., and Squires.

Squires, George R., Rockaway, and R. W. Squires, Dover, N. J. Combination sandwich toaster, grill, and waffle iron. 2,597,541, May 20.

Squires, Richard, Gladwyne, Pa., assignor, by mesne assignments, to The United States Playing Card Company, Cincinnati, Ohio, and National Publishing Company, Philadelphia, Pa. Decorating. 2,597,396, May 20.

Squires, Richard W.: *See*—
Squires, George R. and R. W.

Squyres, Clarence W., assignor of forty-nine per cent to J. S. McCall, Carlsbad, N. Mex. Map supporting easel. 2,596,302, May 13.

Sreb, Jules H., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Setback gauge. 2,597,758, May 20.

Staab, Frank W., Fayetteville, assignor to Bristol Laboratories Inc., New York, N. Y. Nonyl amine salts of penicillin. 2,585,512, Feb. 12.

Staaf, Werner I., Rennerdale, Pa. Removable letter display sign. 2,593,621, Apr. 22.

Staal, Cornelis J. H. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiplex radio receiver. 2,616,976, Nov. 4.

Staal, Cornelis J. H. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulse multiplex communication system. 2,616,977, Nov. 4.

Staatsbedrijf der Posterijen, Telegrafie en Telefonie, assignee: *See*—
De Vries, Willem C.
Nijman, Zytse C.
Van Duuren, Hendrik C. A.

Stableford, John L., London, England. Foldable golf bag carriage. 2,599,354, June 3.

Stableford, John L., London, England. Rear projection screen unit for picture projections. 2,617,328, Nov. 11.

Stabler, Howard P.: *See*—
Millman, Jacob, and Stabler.

Stacey Bros. Gas Construction Company, assignee: *See*—
Brinkman, Herbert C., and Weber.

Stacey, Ernest W.: *See*—
Naugler, Walter E., and Stacey.

Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Outsole roughing machine. 2,590,136, Mar. 25.

Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Expansible last. 2,597,197, May 20.

Stacey, Ernest W., Beverly, and D. W. Hannable, Beverly Farms, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,617,127, Nov. 11.

Stacey, Gilbert J., H. W. Thompson, C. H. Vasey, and F. H. S. Curd, deceased, Blackley, Manchester, by M. R. Curd, executrix, Bramhall, England, assignors to Imperial Chemical Industries Limited. Manufacture of diquaternary salts of pyrimidylamino quinolines. 2,585,972, Feb. 19.

Stachowiak, Harriet, Los Angeles, Calif. Roller for removing lint. 2,592,969, Apr. 15.

Stachura, Edward J., Arlington, Va. Flexible shield for electric conductors. 2,585,054, Feb. 12.

Stachura, Edward J., Arlington, Va. Frequency discriminator. 2,601,340, June 24.

Stack, Cedric C., Elwood, Ind. Baby walker. 2,609,030, Sept. 2.

Stack, Mary E., Seattle, Wash. Giving peristaltic enemas 2,606,557, Aug. 12.

Stack, Robert J.: *See*—
Millar, John R., Stack, and Davies.

Stack, Theodore T., assignor to Crane Packing Company, Chicago, Ill. Overload control for motors. 2,617,971, Nov. 11.

Stackbin Corporation, assignee: *See*—
Shaw, Thomas.

Stackhouse, David L., Warwick, R. I. Cribbage board. 2,605,966, Aug. 5.

Stackhouse, Francis D., Jr., Upper Darby, Pa., assignor to American Locker Company, Inc., Boston, Mass. Checking cabinet door. 2,584,059, Jan. 29.

Stackhouse, William V., Redondo Beach, Calif., assignor to North American Aviation, Inc. Hose clamp. 2,601,420, June 24.

Stacknik, Frank E., assignee: *See*—
Osowski, Baltazar J.

Stackpole Carbon Company, assignee: *See*—
Dressel, Henry M.

Stackpole, Gerald B.: *See*—
Jones, Albert S., and Stackpole.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Transfer molding press. 2,601,341, June 24.

Stadd, Donald M.: *See*—
Sharenow, Alexander, and Stadd.

Stadelmann, Francisco M., Mexico City, Mexico. Dental appliance. 2,587,008, Feb. 26.

Stadelmann, Rudolf, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Infinitely variable-gear for driving gun mounts. 2,586,107, Feb. 19.

Stadler, Hurter & Company, assignee: *See*—
Hurter, Alfred T.

Stadler, Walter L., Bayside, assignor to The Griscom-Russell Company, New York, N. Y. Expansion compensated countercurrent heat exchanger. 2,612,350, Sept. 30.

Stadthaus, Kurt R., Mount Royal, Quebec, Canada, assignor to General Electric Company. Continuous automatic multispindle lathe. 2,606,359, Aug. 12.

Stadum, Clarence B., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic timing system. 2,594,090, Apr. 22.

Stadum, Clarence B., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic sequence timer. 2,605,305, July 29.

Stadum, Clarence B., Snyder, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic sequence timer. 2,600,337, June 10.

Stadum, Clarence B., Buffalo, and W. E. Large, Tonawanda, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding control. 2,590,582, Mar. 25.

Stadum, Clarence B., Snyder, E. C. Hartwig, and W. E. Large, Lancaster, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat control circuit. 2,623,168, Dec. 23.

Staebler, Lloyd A., Oreland, assignor to Philco Corporation, Philadelphia, Pa. Dual temperature refrigerator. 2,622,412, Dec. 23.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,589,638, Mar. 18.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,589,639, Mar. 18.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Feed regulator for paper machinery. 2,598,852, June 3.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,619,011, Nov. 25.

Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Photosensitive coating. 2,604,388, July 22.

Staehlin, Ralph H., and M. C. Wuebben, Dayton, Ohio. Camera holder. 2,609,738, Sept. 9.

Staffa, Joseph, Chicago, Ill. Dress separator for wardrobe trunks or suitcases. 2,613,769, Oct. 14.

Staffe, Walter J., Lincoln Park, Mich. Trailer bed. 2,622,918, Dec. 23.

Stafford, Dale A., Littlerock, Calif. Track and guide construction. 2,617,693, Nov. 11.

Stafford, Harold C., Kansas City, Mo. Seed stripper. 2,623,344, Dec. 30.

Stafford, Horace W., South San Francisco, Calif. Bundle stiffener. 2,622,509, Dec. 23.

Stafford, John C., Steubenville, Ohio. Traffic gate. 2,616,195, Nov. 4.

Stafford, Paris H.: *See*—
Tuttle, Clifton M., and Stafford.

Stafford, Rogers T.: *See*—
Ballou, Frederick A., Jr., and Stafford.

Stafford, Thomas P.: *See*—
Butler, William F., Stafford, and Cutter.

Stafford, William L., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Refractory insulating brick and manufacture. 2,613,153, Oct. 7.

Stageberg, Sterling O., Minneapolis, Minn. Movable vane pump. 2,589,449, Mar. 18.

Stager, Charles J., Troy, Ohio. Trouser and skirt hanger. 2,610,775, Sept. 16.

Staggs, Horace M., and L. F. Davis, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Liquid level control means. 2,597,198, May 20.

Stagner, Hamilton R., Cleveland, Ohio. Vaporizing apparatus. 2,615,215, Oct. 28.

Stahl, Carl J., Lakewood, assignor to Stahl Metal Products, Inc., Cleveland, Ohio. Knocked-down truck body. 2,616,754, Nov. 4.

Stahl, Elmer R., Meyersdale, Pa., assignor to Celanese Corporation of America. Textile device. 2,594,509, Apr. 29.

Stahl, Fred A., assignor to Arlington Machine Works, Inc., St. Paul, Minn. Paint mixer. 2,610,041, Sept. 9.

Stahl, Lawrence H., assignee: *See*—
Thomas, Clarence M.

Stahl, Leslie W., Houston, Tex., assignor to The Locomotive Finished Material Company, Atchison, Kans. Lubrication for rotary hydraulic swivels. 2,608,385, Aug. 26.

Stahl Metal Products, Inc., assignee: *See*—
Stahl, Carl J.

Stahl, Raymond T.: *See*—
Ingle, James D., and Stahl.

Stahl, William F., assignee: *See*—
Collins, Fred V.
Spalding, Kenneth F.
Spalding, Kenneth F., and Collins.

Stahl, William F., Kenilworth, Ill. Form for windings and the like. 2,589,640, Mar. 18.

Stahl, William F., Kenilworth, Ill. Plastic container. 2,620,944, Dec. 9.

Stahl, William F., Kenilworth, Ill., assignor to Tumble-Twist Mills, Inc. Rug. 2,622,998, Dec. 23.

Stahlecker, Wilhelm, Tubingen, Germany. Drawing mechanism for spinning machines. 2,601,705, July 1.

Stahlecker, Wilhelm, Tubingen, and H. Grill, Sussen, Germany. Centerless grinding device. 2,622,373, Dec. 23.

Stahlmann, Mark A.: *See*—
Campbell, Harold A., Stahlmann, Huebner, and Link.

Stahmer, Bernhardt, Omaha, Nebr. Potato chip construction. 2,612,453, Sept. 30.

Stahmer, Bernhardt, Omaha, Nebr. Dual direction coupler. 2,623,401, Dec. 30.

Staib, John H.: *See*—
Carlson, Carl S., Catterall, and Staib.

Staiger, Kurt: *See*—
Krautter, Willy F., Staiger, and Kamm.

Stainbrook, Charles A.: *See*—
Moore, Marjorie B., and Stainbrook.

Stainton, Dudley E., Rickmansworth, England. Parallel wedge gauge. 2,592,757, Apr. 15.

Stainton, Dudley E., Rickmansworth, England. Wedge parallel gauge. 2,592,758, Apr. 15.

Stainton, Dudley E., Rickmansworth, assignor to Precision Grinding Limited, Mitcham Junction, England. Location and boring of position holes. 2,608,113, Aug. 26.

Stair, Carlyle H., Glendale, assignor to Prestige Products, Inc., Beverly Hills, Calif. Container and mixer for beverages. 2,592,485, Apr. 8.

Stair, Millington E., Chicago, assignor to Wyman-Gordon Company, Harvey, Ill. Material handling device and method. 2,603,522, July 15.

Stalego, Charles J.: *See*—
Slayter, Games, and Stalego.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing fine glass fibers. 2,607,075, Aug. 19.

Stalego, Charles J., and W. W. Drummond, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Method and apparatus for forming fibers. 2,603,833, July 22.

Staley, A. E., Manufacturing Company, assignee: *See*—
Allen, William F.
Casey, James P., Gill, and Sherman.
Durkee, Maurice M.
Etheridge, Oliver R.
Heyl, Richard E., and Nett.
Marmor, Ralph A., and Moyer.
Moyer, Wendell W., and Allen.
Royer, William M.
Sherman, Robert A., and Carlisle.
Wolff, Hans, and Berger.

Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Plural combustion products generator in ring coaxial with turbine. 2,609,664, Sept. 9.

Staley, Joseph H., Columbus, Ind. Variable-speed signaling crossing gate. 2,598,196, May 27.

Stålhane, Bertil, Stockholm, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Voltage-dependent resistance blocks. 2,589,157, Mar. 11.

Stålhed, John L., and J. A. B. Ödberg, Soderfors, assignors to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Reduction of CO_2-containing gases. 2,607,667, Aug. 19.

Stålheim, Bror G., Stockholm, Sweden, assignor to Dreier-Stalheim Inc., New York, N. Y. Sawing stone such as marble and the like. 2,609,812, Sept. 9.

Stålheim, Bror G., Stockholm, Sweden. Stone sawing machine. 2,621,645, Dec. 16.

Stålheim, Bror G., Stockholm, Sweden. Saw blade attachment in stone sawing machine. 2,621,646, Dec. 16.

Stalker Development Company, assignee: *See*—
Clarke, Daniel J.

Stalker, Edward A., Bay City, Mich. Aircraft rotor blade and blade flap pitch control. 2,581,773, Jan. 8.

Stalker, Edward A., Bay City, Mich. Turbine blade construction with provision for cooling. 2,585,871, Feb. 12.

Stalker, Edward A., Bay City, Mich. Gas turbine power plant and boundary layer control system for aircraft. 2,605,983, Aug. 5.

Stalker, Edward A., Bay city, Mich. Slotted turbine blade. 2,613,910, Oct. 14.

Stalker, Edward A., Bay City, Mich. Wing for helicopters and other aircraft. 2,617,487, Nov. 11.

Stallan, William J., Cambridge, England. Rip cord operating device for parachutes. 2,584,164, Feb. 5.

Staller, Jan, assignor to Jasta A. G., Jurich, Zurich, Switzerland. Automatic pressing means, more particularly for closing bottles. 2,601,068, June 17.

Staller, Jan, Zurich-Erlenbach, Switzerland. Bottle closure. 2,619,246, Nov. 25.

Stals, Pieter: *See*—
De Goeij, H. J. A., and Stals.

Stalter, Joseph F., assignor to Wingfoot Corporation, Akron, Ohio. Packaging machine. 2,586,445, Feb. 19.

Stalter, Joseph F., assignor to Wingfoot Corporation, Akron, Ohio. Plastic thread. 2,589,514, Mar. 18.

Stambaugh, Charles B., Jr., Tucson, Ariz. Convertible baby cart and automobile seat. 2,607,396, Aug. 19.

Stamford Chemical Company, The, assignee: *See*—
Machlis, Samuel, and Michaels.

Stamford Trust Company, The, administrator: *See*—
Hene, Emil.

Stamler, William R., Paris, Ky. Car shifting mechanism. 2,606,504, Aug. 12.

Stamm, Benjamin I. J., New York, N. Y. Vaporizing type oil burner and ignition means. 2,582,890, Jan. 15.

Stamm, Carl A.: *See*—
Higbie, Alan L., and Stamm.

Stamm, Heinrich, assignor to Uhrenfabrik Eterna A. G., Grenchen, Switzerland. Watch or clock movement with manual and automatic winding mechanism. 2,603,941, July 22.

Stamm, Robert F.: *See*—
Erickson, John O., Stamm, and Libby.

Stamm, Robert F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Wernicke prism spectrometer. 2,605,672, Aug. 5.

Stamm, Robert F., Stamford, Conn., T. Mariner, Mount Joy, Pa., R. B. Barnes, Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Differential refractometer. 2,583,973, Jan. 29.

Stamm, Robert F., Stamford, Conn., and T. Mariner, Mount Joy, Pa., assignors to American Cyamid Company, New York, N. Y. Turbidimeter. 2,590,827, Mar. 25.

Stammer, William C., Glenview, and C. R. Breden, La Grange, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Method and apparatus for regulating the size and form of solder pellets. 2,601,642, June 24.

Stamos, Gust, Milwaukee, Wis. Window bracket. 2,609,936, Sept. 9.

Stampen, Jacob J., Hollywood, Ill., assignor to Babson Bros. Co. Working the inner surface of a hollow body. 2,599,025, June 3.

Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Stylus structure for recorders. 2,593,068, Apr. 15.

Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Electric recording apparatus. 2,596,446, May 13.

Stamper, Hamilton A., and D. O. Nelson, Los Angeles, and J. A. Wippert, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Echo distance measuring apparatus. 2,597,199, May 20.

Stamper, Hamilton A., B. G. Blackman, and D. O. Nelson, Los Angeles, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Scanning recorder. 2,614,903, Oct. 21.

Stamper, Willson Y., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Portable battery. 2,592,207, Apr. 8.

Stamper, Willson Y., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Bezel lock for electric safety lamps. 2,592,208, Apr. 8.

Stamper, Willson Y., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Carrying case for portable batteries. 2,592,209, Apr. 8.

Stampfer, Julius: *See*—
Spinka, Josef, and Stampfer.

Stampfl, Walter J., Cleveland Heights, Ohio. Flow control device. 2,589,888, Mar. 18.

Standard Aluminum Products Company, assignee: *See*—
Pfaff, William M.

Standard Brands Incorporated, assignee: *See*—
Barch, William E.
Johnston, William R., and Foote.
Kennedy, Margaret H., and Castagna.
Kirby, George W.
Latham, Haverman P., Barch, Steele, and Zuckerman.

Standard Brick & Sand Company Limited, assignee: *See*—
Segrove, Herbert D.

Standard Cap and Seal Corporation, assignee: *See*—
Hopp, Harold C.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Coil Products Co., Inc., assignee: *See*—
Thias, Edwin P.

Standard Conveyor Company, assignee: *See*—
Eggleston, Ira S.
Eggleston, Ira S., and Boller.

Standard Corrugated Case Corp., assignee: *See*—
Liskin, Louis D.

Standard Dayton Corporation, assignee: *See*—
Noodleman, Samuel.

Standard Dyewood Company, assignee: *See*—
Monroe, Kenneth P.

Standard Electric Corporation, assignee: *See*—
Hatton, William.

Standard Electrical Tool Company, The, assignee: *See*—
Falls, John J.

Standard Forging Corporation, assignee: *See*—
Cornell, Dana R.

Standard Gage Company, Inc., assignee: *See*—
Bishop, John J., and Boat.
Boat, Earl M.

Standard Hosiery Mills, Inc., assignee: *See*—
Torgersen, Raymond A.

Standard Manifold Company, assignee: *See*—
Fleischmann, Lester K.
Fleischmann, Lester K., and Schroeder.

Standard Oil Company, assignee: *See*—
Adams, Chester E., and Dinerstein.
Adams, Chester E., Proell, and Ballweber.
Anderson, John A.
Arkis, Jerome W., and Walker.
Bartleson, John D.
Bowman, Norman J., and Weltkamp.
Boyd, Loyd Q., and Endres.
Brenholdt, Irving R.
Brown, Herbert C.
Browning, George V.
Chicote, Wilbur B.
Debo, Delmer G.
Den Herder, Marvin, and Heard.
Deters, John F.
Deters, John F., Lein, and Shallt.
Duchon, Karman, and MacLaren.
Dinerstein, Robert A., and Van Strien.
Evering, Bernard L., and Peters.
Field, Edmund, and Hill.
Foreman, Robert W., and Guth.
Fragen, Nathan, and Alm.
French, August.
Giachetto, John J., Wagner and Wolf.
Hardman, Harley F.
Hays, Leonard A., Jr., and Selund.
Higley, Willard S., Zimmerschied, and Lien.
Healy, Judd W., and Brackin.
Houser, Harold S.
Irwin, Ernest R.
Johnsen, John H., and Snyder.
Johnson, Carl E., and Lien.
Karll, Robert E.
Kovalik, John, and Witter.
Krause, Jack H.
Krause, Jack H., and Tom.
Lien, Arthur P., and McCaulay.
Lupfer, George L., Atkinson, and Stubbs.
McCaulay, David A., and Lien.
McLeod, Gordon D.
Miller, Roy W.
Musselman, John M.
Oberlink, Dwight R., and Fredericks.
Page, James M., Jr., and Voorhees.
Partch, John G., Day, and Scovill.
Proell, Wayne A., and Chilcote.
Proell, Wayne A., Chilcote, and Shoemaker.
Proell, Wayne A., and Wolff.
Rath, Michael B.
Roberts, Edward N., and Mixon.
Roebuck, Alan K., and Evering.
Russum, Leonard W., and Coffey.
Ryant, Charles J., Jr.
Scanley, Clyde S.
Shallt, Harold.
Shankland, Rodney V., Shields, and Thiele.
Suter, Chester M.
Taylor, Theodore C.
Tom, Theodore B.
Tom, Theodore B., and Bolt.
Traver, Ward B.
Ventch, Franklin, and Partch.
Walker, Lonald I., and Dieman.
Wanderer, Kenneth H., Hays, and Selund.
Webb, Glenn M.
Weltkamp, Alfred W., and Bowman.
White, Philip C.
Wolff, William F., and Johnson.
Zimmerschied, Wilford J., and Arnold.

Standard Oil Company, The, assignee: *See*—
Bartleson, John D.
Clift, Therlis L.
Doyle, Philip C., and Rudd.
Hughes, Everett C., and Bartleson.
Musselman, John M., and Lankelma.
Stine, Harrison M.

Standard Oil Development Company, assignee: *See*—
Abeel, Alan C., Jr., and Hibshman.
Abendroth, Guss F.
Ackroyd, Archie M.
Adams, Clark E., and Kimberlin.
Alexander, Warren A.
Amick, Erwin H., Jr.
Anders, Harley S.
Anderson, James A., Jr., Floyd, and Wadley.
Archibald, Francis M.

Standard Oil Development Company, assignee: *See*—Con.
Arnold, Walter A.
Arundale, Erving.
Arundale, Erving, and Bascom.
Arundale, Erving, Gleason, and Banes.
Arundale, Erving, and Mottern.
Arundale, Erving, and Thorn.
Bacsik, George J.
Bailey, Bradford E.
Baldwin, Francis P.
Baldwin, Francis P., and Smith.
Banes, Fred W., and Arundale.
Banes, Fred W., Fitz Gerald, and Nelson.
Banes, Fred W., and Garber.
Bannon, John H.
Barr, Frank T.
Barr, Frank T., and Martin.
Barr, Frank T., Roetheli, and Scharmann.
Bartlett, Jeffrey H.
Bartlett, Jeffrey H., Rudel, and Cyphers.
Bayhi, Joseph F., and Baker.
Beach, Leland K.
Beddow, Sidney B.
Beerbower, Alan, and Morway.
Betts, Joseph L., Jr., and Chaney.
Betts, Joseph L., Jr., McCracken, Rose, and Wood.
Bielstein, Walter J.
Black, James F., and Kearby.
Blatz, Leo J.
Blood, Robert H.
Booker, John D., Harp and Wadley.
Boucher, Frank G.
Boucher, Frank G., and Hildebrandt.
Bourgeois, Valrie E.
Bower, Francis M.
Bradley, John M., and Ogorzaly.
Breedlove, Harry B., and Abbott.
Brooks, John D., and Mottern.
Browder, John G., and Smith.
Brugmann, William H., Jr.
Cahn, Robert P.
Cain, Virginia L., and Hemminger.
Carlisle, Charles H.
Carlson, Carl S.
Carlson, Carl S., Catterall, and Staib.
Carlson, Carl S., Merrington, and Biribauer.
Carlson, Carl S., and Smith.
Carpenter, Clifford L.
Casler, John R., and Nelson.
Catterall, William E.
Catterall, William E., and Ohsol.
Chamberlain, Nugent F., and Michael.
Chernosky, Allen A.
Cler, Harry E.
Clarke, James S.
Clothier, Archie T.
Connolly, Gerald C.
Connor, John E., and Gustafson.
Cooper, Lyle M.
Corner, Eugene S., and Lynch.
Corner, Eugene S., McGee, and Lynch.
Crookston, Robert R.
Cyphers, Elmer B., and Popkin.
Dart, Jack C.
Daussat, Russell L., and Steele.
Dawson, Oliver H. P.
Drout, William M., Jr.
Duncan, Gordon W.
Eby, Lawrence T.
Etherington, Lewis D., and Scheeline.
Fasce, Egi V.
Fischer, Herbert G. M., and Welty.
Fischer, Wilbur F., Knoth, and Newberg.
Ford, Lloyd J.
Foster, Paul H.
Fritz, Robert J.
Gallo, Salvatore G.
Garber, John D., and Hollyday.
Garber, John D., and Young.
Garber, John D., Young, and Sparks.
Garrett, Bowman S.
Gilbert, George R.
Gillespie, Bruce G.
Gleason, Anthony H.
Gleason, Anthony H., and Jaros.
Gohr, Edwin J.
Greene, Robert L.
Guenzel, William T.
Hale, Cecil H.
Hale, Cecil H., and Starr.
Harney, William S., Jr.
Hawley, Roger S.
Heigl, John J., and Hinlicky.
Heinrich, Raymond L.
Hemminger, Charles E.
Herbst, Walter A., and Howell.
Hibshman, Henry J.
Hildebrandt, Alexander B.
Hildebrandt, Alexander B., and Ledgerwood.
Hill, Max W.
Hipkin, Howard G., Horwitz, and Rogers.
Hockberger, William G.

Standard Oil Development Company, assignee: *See*—Con.
Hodges, Linnie P.
Holder, Clinton H.
Hollyday, William C., Jr.
Horeczy, Joseph T.
Howard, Frank A.
Howell, William C., Jr.
Howell, William C., Jr., Jones, and Smith.
Hudson, Boyd E., Jr., Wilson, and Nelson.
Hunter, Edward A.
Jahnig, Charles E.
Jasper, Gabriel E., and Welch.
Jernakoff, Michael A., Batt, and Sankowsky.
Johnson, Homer F., and Scheeline.
Jones, Allen R., and Robertson.
Jones, Allen R., and Smith.
Jones, Marvin R.
Karchmer, Jean H.
Kaulakis, Arnold F., and Codet.
Kearby, Kenneth K.
Kearby, Kenneth K., and Black.
Kimberlin, Charles N., Jr.
Kimberlin, Charles N., Jr., and Billisoly.
King, Laurence F., and Pattenden.
Kirshenbaum, Abraham D., and Boyle.
Kittleson, Allen R.
Kittleson, Allen R., and Gleason.
Kleiber, Carl E.
Knapp, Richard P.
Kolfenbach, John J., and Small.
Krebs, Robert W.
Kriegel, Monroe W.
Laurence, Lawton L.
Leas, William J.
Lewis, Warren K.
Lewis, Warren K., and Gilliland.
Lewis, Warren K., Jr.
Leyonmark, George F., and Arundale.
Lieber, Eugene, and Cashman.
Lifson, William E., and Cuncan.
Lippincott, Samuel B., Baumgartner, and Yowell.
Lippincott, Samuel B., and Mikeska.
Lippincott, Samuel B., and Popkin.
Lippincott, Samuel B., and Young.
Love, Robert M.
Lynch, Charles S.
Lynch, Charles S., and Corner.
Lytle, Melba L.
Mack, Charles.
Main, Thomas C.
Mann, Ralph W.
Martin, Homer Z.
Martin, Homer Z., and Barr.
Martin, Homer Z., and Mayer.
Mason, Ralph B.
Matheson, George L.
Matheson, George L., and Mikeska.
Mattox, William J.
Matuszak, Alfred H.
May, Walter G., and Sweetser.
McAdams, Don R.
McCue, Cyril F., and Broom.
McCurdy, William N., Jr., and Whittlesey.
McDermott, John P.
McGovney, James E.
McKay, John F., Jr., Yowell, and Jasion.
McNab, John G.
McNab, John G., Hakala, and McDermott.
Meadors, Victor G.
Meier, Edwin H.
Mercer, Kenneth K., and Catterall.
Mertzweiller, Joseph K.
Michaels, Adlai E., and Hakala.
Mikeska, Louis A.
Mikeska, Louis A., and Eby.
Miller, Joe, and Workman.
Moise, James E., Anderson, and Johnson.
Moise, James E., Luening, and Daroux.
Moody, Leonard E., and Hand.
Morgan, Bryan E., Dumbauld.
Morgan, Jerome P., and Patterson.
Morrell, Charles E.
Morrell, Charles E., Biribauer, and Carlson.
Morrell, Charles E., and Carlson.
Morrell, Charles E., Carlson and Robertson.
Morrell, Charles E., Carlson, and Smith.
Morrell, Charles E., and Gilliland.
Morrell, Charles E., and Robertson.
Morrell, Charles E., Stewart, and Carlson.
Morrell, Charles E., and Welch.
Morris, Kenneth G., and Van Sweringen.
Morway, Arnold J.
Morway, Arnold J., and Ball.
Morway, Arnold J., and Howell.
Morway, Arnold J., and Kolfenbach.
Morway, Arnold J., and Matuszak.
Morway, Arnold J., and Mikeska.
Morway, Arnold J., and Smith.
Morway, Arnold J., and Young.
Morway, Arnold J., Young, and Cottle.
Mottern, Henry O.
Mounce, Whitman D.
Munday, John C.

Standard Oil Development Company, assignee: *See*—Con.
Munday, John C., and Nicholson.
Murphree, Eger V.
Nelson, Joseph F.
Nelson, Joseph F., and Welch.
Nelson, Karl J.
Nelson, Norman A.
Newberg, Raymond G., and Baldwin.
Nicholson, Edward W. S., and Griffin.
Nicholson, Edward W. S., Fritz, and Etherington.
Nicolai, Lloyd A., and Molstedt.
Niehaus, Edward J., and Whitney.
Norway, Arnold J., and Smith.
Odell, William W.
Odell, William W., and Matheson.
Ogorzaly, Henry J.
Ogorzaly, Henry J., and Rex.
O'Halloran, Rosemary.
O'Halloran, Rosemary, and Kolfenbach.
Ording, James R.
Owen, John J., and Fasce.
Owen, John J., and Sumerford.
Packie, John W.
Palmer, Jewell S.
Parker, Paul T.
Parks, Mercer H.
Parks, Mercer H., and Jones.
Patterson, John A.
Peet, Nick P.
Pennington, Thomas, and Jones.
Phillips, Cecil, Jr.
Pierce, Jerry A., and Kimberlin.
Popkin, Alexander H.
Powers, John M.
Prophet, James, Jr.
Putman, John H., Scott and Ervine.
Ragland, Douglas.
Ramsey, George H.
Ratcliff, Walter F.
Read, Chester L.
Rebner, John, Jr., and Flory.
Rex, Walter A.
Rex, Walter A., and Read.
Ricker, Norman H.
Roark, James J.
Robertson, Anthony E., and Jones.
Roediger, Joseph C.
Roethell, Bruno E., and Hemminger.
Rogers, Dilworth T.
Rollman, Walter F.
Rose, Walter D.
Rudel, Harry W., and Boyle.
Rudel, Harry W., and Kirshenbaum.
Rudel, Harry W., and Wasson.
Rupp, Walter H.
Russell, Francis, and Mueller.
Salathiel, Richard A.
Sayko, Andrew F.
Scheeline, Harold W.
Schexnailder, Robert E., Jr.
Schmidt, Walter J., Jr., and Blanding.
Schneider, Nicholas M., and Dean.
Schneider, Helmuth G., Young, Goering.
Schutze, Henry G.
Schutze, Henry G., and Wadley.
Scott, Grady R.
Serniuk, George.
Sewell, Ben W.
Sewell, Ben W., and Ramsey.
Sewell, Benjamin W.
Shmidl, Albert J.
Showalter, Jere C.
Skarstrom, Charles W.
Slotterbeck, Ober C., Smyers and Young.
Small, William O.
Smith, Charles W.
Smith, John O., Jr., and Jones.
Smith, Paul V., Jr., Mikeska, and Popkin.
Smith, Paul V., Jr., and Morway.
Smith, Paul V., Jr., and Popkin.
Smith, Warren M.
Smith, Warren M., Luening, and Lane.
Smyers, William H., and Young.
Sparks, William J., and Thomas.
Sparks, William J., Thomas, and Field.
Sparks, William J., and Turner.
Sparks, William J., and Young.
Sproule, Lorne W., and King.
Sproule, Lorne W., King, and Pattenden.
Sproule, Lorne W., Pattenden, and King.
Stone, Albert L.
Strickland, Barney R.
Swaney, Miller W., and Jasion.
Sweetser, Sumner B.
Sweetser, Sumner B., Russell, and Bucker.
Tickler, Richard B.
Tiedje, John L.
True, Martin E.
Tryon, Richard W.
Tullos, Frank N.
Vanderbilt, Byron M.
Vanderbilt, Byron M., and Bascom.
Vanderbilt, Byron M., and Gleason.

Standard Oil Development Company, assignee: *See*—Con.
Ver Nooy, Burton.
Vesterdal, Hans G., and Konrad.
Viles, Prentiss S.
Voorhies, Alexis, Jr.
Waddell, Mathis T., Earhart, Love, and Tiller.
Waddey, Walter E., and Cyphers.
Walker, Richard P.
Walsh, David C., Jr.
Walsh, David C., Jr., and Schutze.
Wasson, Jones I.
Watson, Claude C.
Watts, Rhea N., and Spicer.
Weeks, Robert L.
Weikart, John.
Welch, Lester M.
Wiese, Herbert K.
Williams, Philip S., and Welge.
Wilson, Robert A.
Wilson, Samuel W.
Wrightsman, Gilbert G.
Wylie, Roger.
Wurth, Walter A., Martin, and Jahnig.
Yoder, Richard J.
Young, David W.
Young, David W., and Gallo.
Young, David W., and Sparks.
Young, David W., Sparks, and Garber.
Yowell, Howard L., McKay, and Jasion.
Zimmer, John C., and Duncan.
Standard Packing Corporation, assignee: *See*—
Merrill, Bennett W.
Standard Parts Co., assignee: *See*—
Marvin, George W.
Standard Pressed Steel Co., assignee: *See*—
Hallowell, Howard T., Jr., and Bennett.
Standard Railway Equipment Manufacturing Company, assignee: *See*—
Borland, James N.
Cisco, Edward S.
Nystrom, Karl T.
Nystrom, Karl T., and Thompson.
Swann, James S.
West, Victor E.
Zeidler, Kurt E.
Standard Refrigeration Company, assignee: *See*—
Goldberg, Harry A.
Standard Register Company, The, assignee: *See*—
Davidson, John T.
Metzner, Albert W.
Metzner, Albert W., and Kozul.
Standard Steel Corporation, assignee: *See*—
Lewis, William H.
Standard Steel Spring Company, assignee: *See*—
Crites, Nelson A., and Fick.
Standard-Thomson Corporation, assignee: *See*—
Early, Paul F.
Martel, Charles S.
Woods, John E.
Standen, John H.: *See*—
Stewart, William D., and Standen.
Stander, Ruth L., Washington, D. C., assignor to United States Rubber Company, New York, N. Y. Preparation of gas-expanded plastic materials. 2,598,077, May 27.
Stander, Ruth L., Washington, D. C., assignor to United States Rubber Company, New York, N. Y. Preparation of gas-expanded plastic materials. 2,598,078, May 27.
Standing, Marshall B., H. S. Yaplee, and M. Macaulay, Whittier, assignors to California Research Corporation, San Francisco, Calif. Method and apparatus for locating well fluid loss. 2,581,979, Jan. 8.
Standing, Sidney A., Short Hills, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Luminescent screen for image reproducing tubes. 2,612,476, Sept. 30.
Standley, Earl B., assignee: *See*—
Stone, Charles D.
Stanelle, Albert L., Milwaukee, Wis. Screw holding screw driver. 2,593,622, Apr. 22.
Stanfield, James R., Castle Bromwich, and L. N. Hughes, Rednal, assignors to The Austin Motor Company Limited, Birmingham, England. Pivoted ventilator window of motor road vehicles. 2,587,781, Mar. 4.
Stanfield, James R., Castle Bromwich, Birmingham, assignor to The Austin Motor Company Limited, Birmingham, England. Raising and lowering tops of motor vehicles. 2,613,987, Oct. 14.
Stanfield, Le Roy A.: *See*—
Hazeltine, Leland S., and Stanfield.
Stanford, David R., Renton, Wash. Ureter block for use in pyelograms. 2,602,444, July 8.
Stanford-Roberts Manufacturing Company, The, assignee: *See*—
Ovshinsky, Stanford.
Stange, Ferdinand F.: *See*—
Ball, Harold W., and Stange.
Stango, Alfred, assignee: *See*—
Bongiovanni, Antonio.
Stango, Antonio, assignee: *See*—
Bongiovanni, Antonio.
Stanin, Theodore E.: *See*—
Dickey, Joseph B., and Stanin.

Stanitski, Walter A., Chester, Pa. Vehicle wheel assembly. 2,591,631, Apr. 1.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Table top, and back splash construction. 2,614,014, Oct. 14.
Stanitz, Jacques, Warren, and L. Schlobohm, assignors to Mullins Manufacturing Corporation, Salem, Ohio. Dishwasher having lid locking mechanism. 2,618,282, Nov. 18.
Stanius, Godfrey, assignor to Acme Steel Company, Chicago, Ill. Method and appartus for changing the relative lengths of the intermediate and edge portions of metal strips. 2,600,442, June 17.
Stankavich, Joseph A., Langlois, and M. S. and M. M. Stankavich, Bandon, assignors to Western Pickers, Inc., Coos Bay, Oreg. Cranberry harvester. 2,607,180, Aug. 19.
Stankavich, Matthew M.: *See*—
Stankavich, Joseph A., M. S., and M. M.
Stankavich, Michael S.: *See*—
Stankavich, Joseph A., M. S., and M. M.
Stanley, Alfred R., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Medium for production of penicillin. 2,609,330, Sept. 2.
Stanley Aviation Corporation, assignee: *See*—
Stanley, Robert M.
Stanley, Clyde P., Phillips, Tex., assignor to Phillips Petroleum Company. Fractionator reflux control method. 2,588,303, Mar. 4.
Stanley, Franklin P., Charter Oak, Iowa. Handle. 2,602,687, July 8.
Stanley, Gordon, Brandon, Manitoba, Canada. Water-heating means. 2,604,880, July 29.
Stanley, Herbert M.: *See*—
Elce, Alec, Stanley, and Turck.
Highet, Hugh C., Salt, and Stanley.
Powell, Roger F., and Stanley.
Stanley Home Products, Inc., assignee: *See*—
Bagley, John F., Jr.
Stanley, Howard C.: *See*—
Proud, Ralph A., and Stanley.
Stanley, John J., Packanack Lake, assignor, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Center feeler stop motion. 2,617,450, Nov. 11.
Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.
Stanley, Luther R., and W. H. Pate, Greggton, Tex. Sawmill carriage. 2,586,271, Feb. 19.
Stanley, Mary E., Rockingham, N. C. Ornamental cake platter. 2,610,111, Sept. 9.
Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Jet driven rotor blade structure. 2,601,463, June 24.
Stanley, Ralph B., San Diego, Calif., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Stanley. Safety snap. 2,617,165, Nov. 11.
Stanley, Richard B., Park Ridge, assignor to Alpha Engineering & Machine Works, Inc., Chicago, Ill. Wheel truing device. 2,622,374, Dec. 23.
Stanley, Richard B., Park Ridge, and B. Pass, Maywood, assignors to Alpha Engineering & Machine Works, Inc., Chicago, Ill. Wheel supporting and rotating device. 2,622,378, Dec. 23.
Stanley, Richard W.: *See*—
McLellan, Kenneth M., and Stanley.
Stanley, Richard W., Drexel Hill, and W. B. Lowe, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Reel for fluid treatment of filamentary materials. 2,582,293, Jan. 15.
Stanley, Robert M., assignor to Stanley Aviation Corporation, Buffalo, N. Y. Weapons handling unit. 2,613,822, Oct. 14.
Stanley, Robert M., Kenmore, and A. F. Cowen, Jr., Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Remote control equipment for aircraft and the like. 2,618,771, Nov. 18.
Stanley, Russell M., Lebanon, Oreg. Toenail correcting device. 2,613,667, Oct. 14.
Stanley, William E., and C. H. Edwards, Spondon, near Derby, England, assignors to Celanese Corporation of America. Photoelectric controlled device for knitting machines. 2,611,097, Sept. 16.
Stanley Works, The, assignee: *See*—
Curtiss, George E., Jr.
Godfrey, James H.
Godfrey, James H., and Peck.
Rich, Leland D.
Robinson, David M.
Roby, Sheldon S.
Volz, Frederick A.
Stannow, Jörgen C., assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Arrangement in automatic record changers. 2,589,516, Mar. 18.
Stanolind Oil and Gas Company, assignee: *See*—
Caruthers, Carlton B.
Clark, Joseph B.
Doolittle, Waddie W.
Eisler, Joseph D.
Eisler, Joseph D., and Hartline.
Eliot, Theodore Q.
Eliot, Theodore Q., Goodin, and Weaver.
Farris, Riley F.
Fast, Clarence R.

Stanolind Oil and Gas Company, assignee: *See*—Continued.
Goodwin, Lloyd O.
Harris, Frederic R.
Hartline, Ralph E.
Hartline, Ralph E., and Murphy.
Hendrickson, Ralph L.
Hujsak, Karol L., Kratzer, and Mungen.
Michael, Vesta F.
Niles, Joseph A., Simpson, Sturgis, Vincent and Ziemer.
O'Connor, Buell and Pearce.
Pottorf, Newell.
Reichl, Eric H.
Reid, Albert C.
Ross, Donald W.
Silverman, Daniel.
Silverman, Daniel, Eisler, and Huth.
Silverman, Daniel, and Hartline.
Stewart, Charles R.
Warren, William M.

Stansbury, Harry N., Jr.: *See*—
Davis, Louis F., Stansbury, and Crumbaker.

Stansbury, Inc., assignee: *See*—
Ford, Paul T.

Stansly, Philip G., R. G. Shepherd, and R. Winterbottom, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing polymyxim. 2,599,950, June 10.

Stant Manufacturing Company, assignee: *See*—
Friend, Dawson.
Friend, Dawson, and Smith.
Smith, Lowell J., and Friend.

Stanton, Edward C., Robbinsdale, Minn. Toaster. 2,609,044, Sept. 2.

Stanton, Harriet E., Hampton, Va. Arm sling. 2,598,853, June 3.

Stanton, John, Delhi, N. Y. Outdoor clothes bar. 2,610,742, Sept. 16.

Stanton, John P., Des Plaines, assignor to The Pure Oil Company, Chicago, Ill. Removing color bodies imparted to hydrocarbons in sweetening the same. 2,589,450, Mar. 18.

Stanton, Leonard, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Amplifier for stabilizing small unidirectional signals. 2,615,064, Oct. 21.

Stanton, Leonard, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Difference measuring apparatus. 2,618,674, Nov. 18.

Stanton, Leonard, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Capacity-rebalancing type measuring apparatus. 2,619,514, Nov. 25.

Stanton, Philip L., Flintridge, assignor to E & J Manufacturing Co., Glendale, Calif. Apparatus for positive respiration during gas anesthesia. 2,582,210, Jan. 8.

Stanton, Robert, Denver, Colo. Solid-liquid-reaction processes. 2,615,906, Oct. 28.

Stanton, Robert, Denver City, Colo. Solid-liquid reaction processes. 2,615,907, Oct. 28.

Stanton, Robert, Denver, Colo. Solid-liquid reaction processes. 2,619,496, Nov. 25.

Stanton, Robert E., Denver, Colo. Air conditioning system for automobiles. 2,620,636, Dec. 9.

Stanton, Russell S., Waban, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotary spark gap. 2,599,951, June 10.

Stanton, Russell S., Waban, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical pulse generator. 2,606,289, Aug. 5.

Stanton, Samuel J., Chicago, Ill. Poker chip rack. 2,620,063, Dec. 2.

Stanton, William A., Westfield, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic emulsions containing 2,5-dimethoxytetrahydrofuran. 2,585,596, Feb. 12.

Stanworth, John E., Sheffield, and A. E. Dale, Barlow, England, assignors to General Electric Company. Glass compositions. 2,615,817, Oct. 28.

Stanwyck, Edmund J., Newburgh, N. Y. Fish lure. 2,603,902, July 22.

Staples, Elliot M., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mobile-radio and wire system. 2,589,158, Mar. 11.

Staples, Evans M., Cincinnati, Ohio. Circular cutting tool. 2,600,280, June 10.

Stapling Machines Co., assignee: *See*—
Kingsley, David G.
Kingsley, David G., and MacNamara.

Stapp, Olin H.: *See*—
Kramer, David, and Stapp.

Star Drilling Machine Company, The, assignee: *See*—
George Heinish.

Star Electronics, Inc., assignee: *See*—
McKnight, Joseph H.

Star Fastener, Inc., assignee: *See*—
Kauffmann, Henry.

Star Metal Manufacturing Company, assignee: *See*—
Reeb, Eugene H.

Star Products Company, assignee: *See*—
Lustig, Peter A.

Star Watch Case Company, assignee: *See*—
Starke, Otto A.

Star Welding & Manufacturing Company, Inc., The, assignee: *See*—
Coble, Ernest L.

Starbird, Edward E.: *See*—
Pidacks, Charles, and Starbird.

Starbuck, Robert M., Hartford, and A. R. Joy, West Hartford, Conn. Portable pipe vise. 2,619,858, Dec. 2.

Starcher, Paul S.: *See*—
Phillips, Benjamin, and Starcher.

Starck, Clemens B.: *See*—
Nadeau, Gale F., and Starck.
Nadeau, Gale F., Starck, and Smith.

Starck, Jesse E., Birmingham, Mich., assignor to Kansas City Testing Laboratory, Kansas City, Mo. Reducing cuprous oxide coatings to produce patterns or designs, and baths for use in the process. 2,616,841, Nov. 4.

Starfield, Cyril P., Dukinfield, assignor to The Midland Dynamo Company Limited, Leicester, England. Armature winding machine. 2,599,875, June 10.

Stargardt, Friedrich W., Chesterfield County, Va. Tie holder. 2,586,272, Feb. 19.

Stark, Donald A., assignor to W. Waterman, Chicago, Ill. Hydraulic metering fuse. 2,592,486, Apr. 8.

Stark, Donald A., assignor to W. Waterman, Chicago, Ill. Metering fuse. 2,592,487, Apr. 8.

Stark, Donald A., Chicago, Ill. Pressure regulator. 2,622,611, Dec. 23.

Stark, Edward A., San Francisco, Calif. Model glider. 2,588,941, Mar. 11.

Stark, Fortney H., Wauwatosa, Wis. Accelerated aging of cheese. 2,606,122, Aug. 5.

Stark, Frank H.: *See*—
Fletcher, Arthur H., Stark, Corbitt, and Sherlaw.

Stark, Harold W., Marinette, Wis. Dental tray. 2,587,782, Mar. 4.

Stark, Henry M.: *See*—
Bechtold, Max F., and Stark.

Stark, Julian H., Fort Wayne, Ind., assignor to General Electric Company. Adjustable magnetic shunt for permanent magnet generators. 2,610,993, Sept. 16.

Stark, Louis: *See*—
Kaplan, Samuel, and Stark.

Stark, Louis E., Grand Island, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Brazing flux. 2,610,933, Sept. 16.

Stark, Nathan I., West Orange, N. J., assignor, by mesne assignments, to Fandex, Inc., New York, N. Y. Card system. 2,612,168, Sept. 30.

Stark, Phillip A., assignor, by mesne assignments, to K. J. and N. Schroer, Kansas City, Mo. Multiple switch and multiple bulb electric lantern. 2,599,419, June 3.

Stark, William T.: *See*—
Wiegand, Francis J., Stark, and Rowe.

Starke, Albert C., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Synthesis of vitamin A and intermediates therefor. 2,615,922, Oct. 28.

Starke, Nathan, assignor of one-third to M. Sayre, South Euclid, and one-third to A. Monte, East Cleveland, Ohio. Extension table with spring supported center leaf. 2,623,799, Dec. 30.

Starke, Otto A., assignor to Star Watch Case Company, Ludington, Mich. Assembling crystals in watch bezels. 2,607,082, Aug. 19.

Starkel, Joseph, Chicago, Ill. Tapping tool. 2,607,055, Aug. 19.

Starkey, Clifford V., Greenford, England. Thermal overload cutout for electrical apparatus. 2,597,759, May 20.

Starks, Winston H.: *See*—
Otis, Charles F., and Starks.

Starleaf, George A.: *See*—
Johnson, Francis B., and Starleaf.

Starner, Charles J., Haddonfield, N. J., assignor to Radio Corporation of America. Variable filament inductor. 2,619,616, Nov. 25.

Starnes, Ray E., Mitchell, S. Dak. Sliding cutoff saw. 2,592,970, Apr. 15.

Starnes, William C.: *See*—
McKinley, Joseph B., and Starnes.

Starr, Alfred R., New York, N. Y. Interference prevention circuit. 2,584,165, Feb. 5.

Starr, Allan D., Carlinville, Ill. Illuminated toy vehicle. 2,599,208, June 3.

Starr, Arthur J., Tower City, N. Dak. Easy-out attachment for tractors. 2,604,301, July 22.

Starr, Charles E., Jr.: *See*—
Hale, Cecil H., and Starr.

Starr, Delano T., assignee: *See*—
Anderson, Walter M.

Starr, James H., La Grange, Ill. Calculating tables and the like. 2,613,237, Oct. 7.

Starr, James T., Brainerd, Minn. Cagelike rotary cleaning brush for threaded bolts and the like. 2,600,338, June 10.

Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company, Moline, Ill. Power lift. 2,605,686, Aug. 5.

Starr, John H., Mayville, assignor to John Deere Van Brunt Company, Horicon, Wis. Regulating stroke of fluid-pressure apparatus. 2,614,537, Oct. 21.

Starr, Merle A.: *See*—
Soller, John T., and Starr.

Starr, Raymond H., assignee: *See*—
Corbet, Harold L., Holland, and Murray.

Starr, Samuel, Brooklyn, N. Y. Handbag. 2,612,925, Oct. 7.

Starr, Winfield J., Philadelphia, Pa. Window construction. 2,608,278, Aug. 26.

Starre, Gerrit, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Templet for centering loose objects. 2,583,310, Jan. 22.

Starre, Gerrit, and J. H. van den Berge, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Method and device for positioning electrodes and other tubular elements. 2,608,744, Sept. 2.

Starrfrasmaschinen A. G., assignee: *See*—
Thalmann, Alfred.

Starts, Albert, Fort Lauderdale, Fla., assignor, by mesne assignments, to Camfield Manufacturing Company, Grand Haven, Mich. Mounting for internal-combustion engines. 2,601,342, June 24.

Starý, Miroslav: *See*—
Zmatlík, Josef, Starý, Piller, and Pinkava.

Staschover, Leo: *See*—
French, Heyward A., and Staschover.

Stasse, Henry L., Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolating isoquinoline from mixtures thereof with heterocyclic nitrogen base. 2,618,639, Nov. 18.

State College of Washington Research Foundation, assignee: *See*—
Golding, Norman S.

State Institutions of the State of Florida, Board of Commissioners, assignee: *See*—
Butler, George B., and Bunch.

Staten, Fred W., Laramie, Wyo., assignor to the United States of America as represented by the Secretary of the Interior. Rubber reclaiming oil. 2,610,925, Sept. 16.

Statham Laboratories, Inc., assignee: *See*—
Baker, Carlos J.
Statham, Louis D., and White.

Statham, Louis D., Beverly Hills, and G. E. White, Tarzana, assignors to Statham Laboratories, Inc., Beverly Hills, Calif. Transducer and device employing the same. 2,600,701, June 17.

Statham, Noel, Greenwich, Conn. Adjustable fastening device. 2,580,477, Jan. 1.

Statham, Noel, New Canaan, Conn. Adjustable button. 2,609,581, Sept. 9.

Statham, Noel, New Canaan, Conn. Shoe having adjustable fastener. 2,618,036, Nov. 18.

Statia, Edwin V., Sr., Royal Oak, assignor of one-half to E. L. Chapman, Detroit, Mich. Grinding wheel dresser. 2,608,189, Aug. 26.

Staton, James C., Corpus Christi, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo. Drilling apparatus. 2,586,878, Feb. 26.

Stator Company, assignee: *See*—
Burggrabe, Henry A.

Staude, Edwin G., Minneapolis, Minn. Unloading valve mechanism for fluid pressure pumps. 2,584,638, Feb. 5.

Staude, Edwin G., West Los Angeles, Calif. Electric power assistor. Re. 23,550, Sept. 9.

Staudinger, Johann J. P.: *See*—
Cleverdon, Desmond, Staudinger, Faulkner, and Milne.
Faulkner, Donald, and Staudinger.

Stauffer, Ammon W., Martindale, Pa. Molasses mixing tank. 2,621,904, Dec. 16.

Stauffer, Bernard H., Los Angeles, Calif. Leg and ankle massage table apparatus. 2,591,212, Apr. 1.

Stauffer Chemical Company, assignee: *See*—
Bender, Harry.
Bender, Harry, and Pitt.
Englund, Kenneth L.

Stauffer, Edward J., assignor to Kroehler Mfg. Co., Naperville, Ill. Automatic cushion stuffer with belt conveyer and reciprocating follower. 2,597,397, May 20.

Stauffer, Robert E., and W. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. High-speed photographic silver halide emulsions supersensitized with palladium salts. 2,598,079, May 27.

Staunt, Martin, Des Plaines, Ill. Gum massager. 2,600,136, June 10.

Staunt, Martin, Des Plaines, Ill. Gum massager. 2,614,556, Oct. 21.

Stavis, Gus: *See*—
Casabona, Anthony, and Stavis.

Stavoe, Arthur M., Chicago, and W. D. Carrie, Lisle, assignors to Crane Co., Chicago, Ill. Waste outlet crossbar. 2,591,632, Apr. 1.

Stavropoulos, Gus G. and S., Chicago, Ill. Clasp for cuffs and the like. 2,585,181, Feb. 12.

Stavropoulos, Sam: *See*—
Stavropoulos, Gus G. and S.

Stayboldt, Sven J., Los Angeles, Calif. Collapsible and concealable reading rack. 2,584,101, Jan. 29.

Stayner, Richard D.: *See*—
Lewis, Allen H., and Stayner.

Staywell Corporation, assignee: *See*—
Grosvenor, William M., Jr.
Grosvenor, William M., Jr., and Davis.

Stead, Richard H.: *See*—
Swenson, James A., Burns, and Stead.

Stead, Richard H., Revere, Mass. Pocket razor blade knife. 2,596,303, May 13.

Steadman, Earl G., Jr., Youngstown, Ohio. Combination visor and magnifier. 2,598,145, May 27.

Steadman, Rufus P., assignor to Baker Perkins Inc., Saginaw, Mich. Device for removing misaligned or misshapen dough sheets from conveyers. 2,609,763, Sept. 9.

Steady, Earle R., Laconia, N. H. Pitch finder for levels. 2,595,109, Apr. 29.

Steahly, George W.: *See*—
Hubbard, Harold L., and Steahly.

Stearman, Lloyd C., Dos Palos, Calif. Vapor spray system. 2,609,233, Sept. 2.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Starter handle. 2,587,783, Mar. 4.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Yarn tension device. 2,594,510, Apr. 29.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Yarn package support. 2,597,960, May 27.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America. Carton. 2,602,581, July 8.

Stearns, Benedict P., and E. J. Carlson, Worcester, Mass. Spring hinge construction for bulkhead doors. 2,617,144, Nov. 11.

Stearns, Cyril E., assignee: *See*—
Scott, Philip B.

Stearns, Dick E., Shreveport, La. Surge generator. 2,594,595, Apr. 29.

Stearns, Edwin I.: *See*—
Loukomsky, Serge A., and Stearns.

Stearns, Frank H.: *See*—
Pierce, Winslow S., Jr., and Stearns.

Stearns, Harry C., Glen Ellyn, Ill. Entrainment regulated fuel and air mixture forming apparatus. 2,621,909, Dec. 16.

Stearns Manufacturing Company, assignee: *See*—
Davis, Robert O.

Stearns, Roswell H., assignor of one-half to R. N. Stearns, Milwaukee, Wis. Self-applying electromagnetically releasable brake. 2,620,901, Dec. 9.

Stearns, Roswell N., assignee: *See*—
Stearns, Roswell H.

Stearns, Walter I., Arlington, Vt. Woodworking machine. 2,597,398, May 20.

Stearns, Walter I., Arlington, Vt. Motor mount. 2,604,282, July 22.

Stearns, Walter V., White Plains, N. Y., assignor to The M. W. Kellogg Co., Jersey City, N. J. Recovering selective solvents. 2,593,931, Apr. 22.

Steatite and Porcelain Products Limited, assignee: *See*—
Woodcock, Jack, and Paridge.

Steatite Research Corporation, assignee: *See*—
Ducatman, Frederich P., and Eisenmann.
Snyder, Christopher L.

Stecher, Henry D., Lakewood, Ohio. Boring and tapping. 2,616,103, Nov. 4.

Steck, Arch L., Oil City, Pa. Bottle stacker. 2,610,746, Sept. 16.

Steck Company, The, assignee: *See*—
Jackson, Ernest W., and Burke.

Steckbauer, J. W., assignee: *See*—
Rahr, William.

Stecker, Glenroy, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Apparatus for expanding minerals. 2,621,034, Dec. 9.

Steckler, Milton I., Los Angeles, Calif. Supplemental lens mount for spectacles. 2,580,859, Jan. 1.

Stedman, Donald F., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Method and composition for rendering window surfaces water repellent and product resulting therefrom. 2,612,458, Sept. 30.

Stedman, Donald F., assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Production of silicon chlorides. 2,621,111, Dec. 9.

Stedman, James A., Cranston, R. I., assignor to Curtis Company. Micrometer caliper. 2,607,999, Aug. 26.

Steedman, Alfred W., Saskatoon, Saskatchewan, assignor of one-fourth to N. Saunders, Edmonton, Alberta, Canada. Snowsuit with boots. 2,615,165, Oct. 28.

Steel and Alloy Tank Company, assignee: *See*—
Kiessling, Edward A., Lake, and Stephenson.
Kulczycki, Karol.
Kulczycki, Karol, and Lowe.
Rinne, John, Ashton, Mallard, and Lake.
Stanley, John J.
Zabriskie, Arthur E., and Lundgren.

Steel Company of Australia Proprietary Limited, assignee: *See*—
Paynter, Frederick C.

Steel, Frank R., Wilmette, Ill. Fishing lure. 2,611,205, Sept. 23.

Steel, Frederick H., Chillicothe, Ohio. Automatic float-actuated watering device for farm animals. 2,614,532, Oct. 21.

Steele, Frederick I., Columbus, Ohio., assignor to Curtiss-Wright Corporation. Fueling aircraft in flight. 2,582,609, Jan. 15.

Steel Heddle Manufacturing Company, assignee: *See*— Kaufmann, John J.

Steel, Homer J., Milwaukee, Wis. Wheel balancer. 2,587,402, Feb. 26.

Steel Parts Corporation, assignee: *See*— Guthrie, Bernard M.

Steel Products Engineering Company, The, assignee: *See*— Condit, William B., and Getz. Getz, Delmond L. Rausenberger, Larence E. Rausenberger, Larence E., and Getz.

Steel Products, Incorporated, assignee: *See*— Gorshkoff, Alexis S. Scholl, Clark.

Steelcraft Tool Manufacturing Corp., assignee: *See*— Hahn, Harry.

Steele, Archie A., Los Angeles, Calif. Multiple chine boat hull. 2,595,422, May 6.

Steele, Arthur E., McKeesport, Pa., assignor to Air Products, Incorporated. Liquid pumping system. 2,594,512, Apr. 29.

Steele, Clarence R.: *See*— Silver, Harold F., and Steele.

Steele, Clellie T.: *See*— Daussat, Russell L., and Steele.

Steele, Doty M., Los Angeles, Calif. Surf board with an extensible keel member. 2,593,806, Apr. 22.

Steele, Frederick I., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Automatic latching mechanism. 2,594,511, Apr. 29.

Steele, George R., Irondequoit, assignor to Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper folder. 2,609,924, Sept. 9.

Steele, Gerald H.: *See*— Hickin, Robert J., and Steele.

Steele, Harold K.: *See*— Latham, Haverman P., Barch, Steele, and Zuckerman.

Steele, James W., North Kansas City, Mo. Garment folding equipment. 2,610,772, Sept. 16.

Steele, Osborne C., assignee: *See*— Mansoff, Arthur P.

Steele, Ray N., Cedar Rapids, Iowa. Fishhook remover. 2,589,976, Mar. 18.

Steele, Richard E.: *See*— Blackburn, Andrew R., and Steele.

Steele, Roger C., Oakland, assignor to California Reinforced Plastics Company, Berkeley, Calif. Method of and apparatus for making honeycomb material. 2,610,934, Sept. 16.

Steele, Tracey F.: *See*— Cyr, Howard M., Siller, and Steele.

Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Adjustable stroke sirup pump. 2,587,241, Feb. 26.

Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Drain valve. 2,597,399, May 20.

Steele, William B., assignee: *See*— Graves, Lloyd T.

Steelman, Julien R., Wauwatosa, assignor to Koehring Company, Milwaukee, Wis. Bucket discharge means. 2,621,810, Dec. 16.

Steelman, Melvin W., Cobleskill, N. Y., assignor to Tyler Fixture Corporation, Niles, Mich. Temperature and humidity control for refrigerated display cases. 2,608,831, Sept. 2.

Steels, D. C., assignee: *See*— Dowdell, Sidney M., and Giovanella.

Steen, Carl A., Getinge, Sweden. Boiling pan with elastic sealing rings. 2,582,801, Jan. 15.

Steen, Carl A., Getinge, Sweden. Steam boiling apparatus. 2,603,739, July 15.

Steen, Carl A., Getinge, Sweden. Boiling pan. 2,614,730, Oct. 21.

Steen, Hans F.: *See*— Shonnard, John R., and Steen.

Steen-Johnsen, Hall, Greensburg, assignor to Elliott Company, Jeanette, Pa. Speed governing mechanism. 2,622,866, Dec. 23.

Steen, Kenneth R., Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Flashover indicator. 2,609,432, Sept. 2.

Steenberg, Axel C., *See*— Neergaard, Anders N., and Steenberg.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Shaft seal. 2,610,873, Sept. 16.

Steerbak Coorporation, assignee: *See*— Kelsey, Ralph J.

Steers, William F., Livingston, assignor to Glaser-Steers Corporation, Belleville, N. J. Internal focusing device. 2,619,607, Nov. 25.

Stees, Joseph H., Freeport, Ill. Extensible draft tongue for trailers and the like. 2,591,312, Apr. 1.

Steese, Marcus C., Hamburg, N. Y. Method of and apparatus for burning fumes. 2,610,411, Sept. 16.

Stefanich, Anthony J., Fresno, Calif. Ventilated container. 2,621,847, Dec. 16.

Steffen, Carl, Vienna, Austria. Rendering visible the stereometrical (spatial) structure of objects, and in particular for preparations for histological investigations. 2,614,454, Oct. 21.

Steffen, Edward F., Alvin, Tex. Portable highway signal light. 2,591,888, Apr. 8.

Steffen, Elmer G., University Heights, Ohio, assignor to Alar Products, Inc. Pressure regulating device. 2,597,961, May 27.

Steffen, Samuel T., Fairbury, Ill. Bale-loading machine. 2,600,028, June 10.

Steffens, Otto A., East Moline, assignor to Deere & Company, Moline, Ill. Conveyer. 2,585,414, Feb. 12.

Steffens, Robert N., Essex Fells, N. J. Die stamping press and die wiper therefor. 2,586,108, Feb. 19.

Steffes, Milton J., Dearborn, assignor to Super Tool Company, Detroit, Mich. Forming circular cutters. 2,589,451, Mar. 18.

Steffes, Milton J., Dearborn, assignor to Super Tool Company, Detroit, Mich. Masonry drill. 2,598,459, May 27.

Stegall, Roy, Chicago, Ill. Indexing grinding fixture. 2,596,304, May 13.

Stegeman, Donald W., Santa Rosa, Calif. Paper clip. 2,589,889, Mar. 18.

Stegeman, Henry J., Fairfield, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Sway control means for lawn mowers. 2,615,293, Oct. 28.

Stegeman, Henry J., Fairfield, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Air intake stack for air-cooling of internal-combustion engines. 2,620,782, Dec. 9.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frame. 2,593,932, Apr. 22.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyewire construction for spectacle frames. 2,590,074, June 3.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyeshield. 2,607,919, Aug. 26.

Stegena, Michael, Steubenville, Ohio. Corsage frame. 2,583,237, Jan. 22.

Steglich, Herbert H.: *See*— Mullaney, Ralph A., Emde, and Steglich.

Stegner, Vaclav F., Racine, Wis. Razor blade sharpener. 2,581,214, Jan. 1.

Stehl, Raymond, Chicago, Ill. Lathe turret. 2,620,548, Dec. 9.

Stehle, Thomas K., Milwaukee, Wis. Hinge. 2,622,266, Dec. 23.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Charge rate calculator for automatic telephony. 2,588,684, Mar. 11.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Register-sender for automatic telephony. 2,588,685, Mar. 11.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system providing operator service when all trunks are busy. 2,588,686, Mar. 11.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic recording of telephone numbers. 2,613,274, Oct. 7.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic call recording system for automatic telephony. 2,613,275, Oct. 7.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,613,278, Oct. 7.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay operable upon alternate deenergization cycles. 2,617,906, Nov. 11.

Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Calling line identification apparatus. 2,621,256, Dec. 9.

Stehling, Chas. H., Company, assignee: *See*— Stehling, Ralph J.

Stehling, Ralph J., assignor to Chas. H. Stehling Company, Milwaukee, Wis. Hide and leather working machine. 2,586,879, Feb. 26.

Stehman, Carlyle J., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Inhibition of polymerization of acrylonitrile. 2,607,795, Aug. 19.

Steiding, John B.: *See*— Whitehead, William, Brown, and Rooney.

Steiger, Norbert, Nutley, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Carbamylbenzene stibonic acids. 2,599,291, June 3.

Steiger, Norbert, Nutley, and O. Keller, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Carboxyalkylmercapto stibonic acid compounds. 2,584,639, Feb. 5.

Steil, Donald F., Dodgeville, Wis. Tractor hitch. 2,590,218, Mar. 25.

Stein, Eberhard: *See*— Rickert, Hans F., Stein, and Bayer.

Stein, Frederick W., Atchison, Kans. Apparatus for testing materials. 2,593,807, Apr. 22.

Stein, Gerhard M.: *See*— Roeding, Fred C., and Stein.

Stein, Gustav A., Plainfield, N. J., and J. R. Stevens, Easton, Pa., assignors to Merck & Co., Inc., Rahway, N. J. Producing alpha-(metalloformyl)-beta-alkoxy-propionic acid esters. 2,591,313, Apr. 1.

Stein, Gustav A., Plainfield, H. C. Vogel, West Orange, and R. G. Valerio, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Recovery of osmium as osmium tetraoxide. 2,610,907, Sept. 16.

Stein, Hall & Company, Inc., assignee: *See*— Werbin, Sanford J.

Stein, Joseph A., and J. W. Wagner, assignors to Bacharach Industrial Instrument Company, Pittsburgh, Pa. Pressure indicator. 2,610,508, Sept. 16.

Stein, Leo, Chicago, Ill. Luggage or like handle of reinforced and cushioned construction. 2,595,724, May 6.

Stein, Oscar, Bronx, N. Y. Smoking pipe. 2,603,221, July 15.

Stein, Robert A.: *See*— Beaman, Bernard, Hulman and Stein.

Stein, Robert A., and L. S. Wasserman, assignors to Globe Industries, Inc., Dayton, Ohio. Photoflash system. 2,609,523, Sept. 2.

Stein, Samuel F., Milton, Pa. Fly construction for garments. 2,607,922, Aug. 26.

Stein, Shachno, Brooklyn, N. Y. Electric heating device. 2,584,302, Feb. 5.

Stein, Sigurd C., assignee: *See*— Stein, Sigurd C., and Monkres.

Stein, Sigurd C., Seattle, Wash., and O. M. Monkres, assignors of twenty-five per cent to D. H. Robinson, twelve and one-half per cent to T. L. Letton, ten per cent to E. Gonge, thirty-seven and one-half per cent to O. M. Monkres, Long Beach, Calif., and fifteen per cent to S. C. Stein, Seattle, Wash. Amusement blowing device. 2,621,042, Dec. 9.

Steinacker, Peter, and H. Hemfort, assignors to Westfalia Separator A G., Oelde, Westphalia, Germany. Countercurrent extraction centrifuge. 2,622,796, Dec. 23.

Steinbach, Emil C., Chicago, and P. M. Ewald, Skokie, assignors to C. P. Peirce, Evanston, Ill. Overload release coupling. 2,599,292, June 3.

Steinbach, Thomas M.: *See*— Sandin, Ray C., and Steinbach.

Steinberg, Betty, Beverly Hills, Calif. Hairpin dispenser. 2,602,720, July 8.

Steinberg, Julius E., Newton Center, Mass. Display case. 2,621,097, Dec. 9.

Steinberg, Laurence: *See*— Marek, Jan L., and Steinberg.

Steinberg, Leon J., Baltimore, Md. Manually driven toothbrush. 2,601,567, June 24.

Steinberg, Richard K., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Glow transfer storage device. 2,621,313, Dec. 9.

Steinberg, Samuel, New Haven, Conn. Chum-dispensing unit for fishermen. 2,612,718, Oct. 7.

Steinberger, Paul J., Columbus, Ohio. Padded sleeping device for posture correction. 2,617,412, Nov. 11.

Steinbrecher, Don W.: *See*— Newby, Charles A., and Steinbrecher.

Steinbrunn, Gustav, Schwegenheim/Pfalz, Germany. Lower alkyl esters of 2-cyanobutane-1,2,3,4-tetracarboxylic acids and process. 2,623,895, Dec. 30.

Steine, George J., Glencoe, Ill., assignor to Metal Engineering Company. Holder for set screw wrenches and the like. 2,604,211, July 22.

Steinemann, Willy: *See*— Wehrli, Walter, and Steinemann.

Steinen, William, Newark, N. J. Handle construction for mirrors and toilet set articles. 2,597,905, May 27.

Steinen, William, Newark, N. J. Toilet set handle for mirror and back construction. 2,597,906, May 27.

Steiner, Albert M., Cincinnati, Ohio. Whirling toy. 2,595,990, May 6.

Steiner, Frank G.: *See*— Birr, Rudolph G., and Steiner.

Steiner, Harry C., Scotia, N. Y., assignor to General Electric Company. Electric discharge device. 2,612,613, Sept. 30.

Steiner, Helen J., New York, N. Y. Bleachable transfer ink. 2,589,306, Mar. 18.

Steiner, Lajos, Neutral Bay, New South Wales, Australia. Slide fastener. 2,620,535, Dec. 9.

Steiner, Louis, Rockaway Park, N. Y. Magazine structure for dispensing devices. 2,585,872, Feb. 12.

Steiner Machine Products Company, assignee: *See*— Steiner, Wilfred A., and Sprung.

Steiner, Waldo A., and S. W. Weller, Pittsburgh, Pa. Apparatus for the separation of gases by fractional permeation through membranes. 2,597,907, May 27.

Steiner, Wilfred A., and R. W. Sprung, assignors to Steiner Machine Products Company, Detroit, Mich. Automatic beverage mixer. 2,612,353, Sept. 30.

Steinert, Alvin A., assignee: *See*— Schaefer, Edward E.

Steinfeld, Hans K., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Web drying apparatus. 2,616,188, Nov. 4.

Steingraber, William R.: *See*— Watson, Nathan J., and Steingraber.

Steingruber, George, Atlanta, Ga. Window construction. 2,587,547, Feb. 26.

Steinhardt, I. Hartley, New York, N. Y. Molded article. 2,615,269, Oct. 28.

Steinhardt, Lawrence R., Washington, D. C., assignor to Engineering Research Associates, Inc., St. Paul, Minn. Eliminating interference between the optical trains of a photographic reproducing apparatus. 2,621,560, Dec. 16.

Steinhauser, Hayes B., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Resonance indicator. 2,586,880, Feb. 26.

Steinhoff, Harvey E., assignor to Wagner Malleable Iron Company, Decatur, Ill. Conveyer system. 2,604,970, July 29.

Steinhoff, Raymond J., Alhambra, Calif. Double-acting hydraulic jack. 2,584,820, Feb. 5.

Steinke, Carl J., Chicago, Ill., assignor to Zenith Radio Corporation. Cathode-ray tube supporting structure. 2,606,241, Aug. 5.

Steinle, Leo E.: *See*— Kirby, Walter G., and Steinle.

Steinman, Robert, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Glass fibers coated with Werner type complex and making same. 2,611,718, Sept. 23.

Steinman, Robert, and H. C. Courtright, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Interbonded fibrous glass. 2,610,957, Sept. 16.

Steinmayer, Alwin G., Milwaukee, Wis., assignor to McGraw Electric Company. Clamping device for guy wire guards. 2,604,178, July 22.

Steinmen, Lawrence E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Vibration damping mount for machines. 2,613,897, Oct. 14.

Steinmetz, Joseph J., Merrick, N. Y. Humidity controlling hygrometer. 2,598,727, June 3.

Steinmetz, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Making one-piece idler rollers. 2,593,069, Apr. 15.

Steinmetz, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Idler roller assembly. 2,618,519, Nov. 18.

Steinmueller, Ralph E.: *See*— Dietert, Harry W., Schuch, and Steinmueller.

Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive. 2,590,473, Mar. 25.

Steins, Carleton K., Overbrook, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Ballasting system for locomotives. 2,611,325, Sept. 23.

Steins, Carleton K., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive. 2,586,109, Feb. 19.

Stel, Marinus: *See*— Bloem, Herman, and Stel.

Stelber Cycle Corp, assignee: *See*— Richman, William A.

Stell, Joseph, assignee: *See*— Head, Sidney G., Sr.

Stella, Frank M., assignor to Power Brake Parts Manufacturing Company, Detroit, Mich. Horn blowing apparatus for motor vehicles. 2,610,235, Sept. 9.

Stelmach, Raymond C., Harvey, Ill. Device for safety checking the alignment of patterns. 2,591,314, Apr. 1.

Stelmack, Stanley F., Plymouth, Pa. Automobile seat structure. 2,622,659, Dec. 23.

Stelmak, John P., Forest Hills, N. Y., assignor to Radio Corporation of America. Three-electrode semiconductor device. 2,609,427, Sept. 2.

Stelter, Francis C. W., New York, N. Y. Burglar alarm system. 2,619,921, Dec. 2.

Stelzel, Roderick W., Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter jaw actuating mechanism. Re. 23,497, May 20.

Stelzer, Alphonse C., Mount Healthy, Cincinnati, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Loop antenna. 2,602,891, July 8.

Stelzer, Jack, New York, N. Y. Water gun. 2,589,977, Mar. 18.

Stelzer, Otto E., South Bend, Ind. Bar mounting. 2,589,516, Mar. 18.

Stelzer, Otto E., German Township, St. Joseph County, Ind. Mounting for glass panels. 2,589,517, Mar. 18.

Stelzer, William, Richmond, Va. Fluid pressure operated motor. 2,587,403, Feb. 26.

Stelzer, William, Summit, N. J. Serially operable hydraulic booster. 2,587,404, Feb. 26.

Stelzer, William, Summit, N. J., assignor to Stoffels Seals Corporation, Tuckahoe, N. Y. Tag. 2,611,199, Sept. 23.

Stelzer, William, Summit, N. J. Hydraulic booster brake system. 2,618,123, Nov. 18.

Stem, Donald E., San Francisco, Calif. Magnetic trapping device. 2,619,674, Dec. 2.

Stemm, Irwin G., Leavenworth, Wash. Crane supported movable self-leveling scaffold. 2,616,768, Nov. 4.

Stemmons, Robert, Middletown, Ohio, and W. L. Edel, assignors to Clayton & Lambert Manufacturing Company, Louisville, Ky. Dome-shaped roof. 2,582,723, Jan. 15.

Stempel, Laszlo M., assignor to L. M. Stempel, New York, and A. C. Nolte, Piandome, N. Y., as joint trustees. Adjustable bearing device. 2,581,455, Jan. 8.

Stempel, Laszlo M., assignor to L. M. Stempel, New York, and A. C. Nolte, Plandome, N. Y., as joint trustees. Resilient bearer structure for rotary printing presses. 2,598,726, June 3.

Stempel, Rudolph G., Greenwich, Conn. Body rest for viewing television. 2,593,623, Apr. 22.

Stenerson, Patrick J., Fernwood, Idaho. Dentifrice cabinet. 2,609,122, Sept. 2.

Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Separation of hydrogen chloride from nitric acid. 2,590,828, Mar. 25.

Stenographic Machines, Inc., assignee: *See*—
Zum Bahlen, Ralph E., and Snyder.

Stennitt, Thomas, Lansdowne, Ontario, Canada. Portable sawing machine. 2,584,821, Feb. 5.

Stensgaard, W. L., and Associates, Inc., assignee: *See*—
Stensgaard, William L.

Stensgaard, William L., Park Ridge, Ill., assignor to W. L. Stensgaard and Associates, Inc. Display package for neckties. 2,608,292, Aug. 26.

Stenson, Charles E., Hubbard, and A. W. Kelly, assignors to The Youngstown Steel Tank Company, Youngstown, Ohio. Flange rolling mill. 2,594,819, Apr. 29.

Stent, Dudley H., Westminster, London, assignor to Stent Precast Concrete Limited, London, England. Clamping device. 2,615,678, Oct. 28.

Stent Precast Concrete Limited, assignee: *See*—
Stent, Dudley H.

Stephan, Alfred W., Baldwin, assignor to Nateon Industries, Incorporated, New York, N. Y. Acid shampoo. 2,599,665, June 10.

Stephan, Hallis N., Cleveland Heights, Ohio, assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Clutch operating mechanism. 2,583,065, Jan. 22.

Stephano Brothers, assignee: *See*—
Stephano, Constantine S.

Stephano, Constantine S., Elkins Park, assignor to Stephano Brothers, Philadelphia, Pa. Apparatus for individually wrapping cigarettes. 2,584,060, Jan. 29.

Stephano, Constantine S., Meadowbrook, assignor to Stephano Brothers, Philadelphia, Pa. Article wrapping apparatus. 2,581,309, Jan. 1.

Stephanoff, Nicholas N., Bryn Mawr, Pa., assignor, by mesne assignments, to C. H. Wheeler Manufacturing Company. Effecting chemical reactions. 2,590,219, Mar. 25.

Stephanoff, Nicholas N., Bryn Mawr, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Apparatus for treating materials in suspension in elastic fluid. 2,590,220, Mar. 25.

Stephansen, Erik, Bestun, near Oslo, assignor, by mesne assignments, to O. Imset, Bestun, Oslo, Norway. Benting apparatus. 2,591,633, Apr. 1.

Stephansen, Erik, Bestun, Oslo, assignor to Papirindustriens Forskningsinstitutt, Oslo, Norway. Grinding apparatus. 2,615,638, Oct. 28.

Stephanus, Hendricus, Haarlem, and J. Rinse, Overveen, assignors to J. Rinse and W. Dorst, Haarlem, Netherlands. Alkali treatment of agave and manila hemp fibers to produce flexible fibers. 2,591,315, Apr. 1.

Stephen, Louie D., assignee: *See*—
Cumming, William O.

Stephens, Dishman K., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Expendible fluid actuated pipe-cleaning apparatus. 2,604,647, July 29.

Stephens, Eddie E., assignor of one-half to R. S. Hughes, Ranger, Tex. Aluminum solder composition. 2,622,035, Dec. 16.

Stephens, Foster M.: *See*—
Bechtold, Ira C., Stephens, and Newman.

Stephens, Foster M., Monterey Park, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Compressor plant pulsation dampening system. 2,620,969, Dec. 9.

Stephens, Hugh, East Kildonan, Manitoba, Canada. Siphoning device. 2,617,440, Nov. 11.

Stephens, John H., Brookfield, assignor to Universal Oil Products Company, Chicago, Ill. Particle contacting apparatus. 2,608,473, Aug. 26.

Stephens, William E., Philadelphia, Pa. Mass spectrometer. 2,612,607, Sept. 30.

Stephens, William T., Painesville, Ohio. Control valve. 2,600,702, June 17.

Stephens, William T., Painesville, Ohio. Relief valve. 2,605,108, July 29.

Stephens, William T., Painesville, Ohio. Fluid flow control valve. 2,608,986, Sept. 2.

Stephensen, Frederik: *See*—
Klessling, Edward A., Lake, and Stephensen.

Stephenson, Gene R., Sheridan, Oreg. Wire stripper. 2,594,363, Apr. 29.

Stephenson, Harry W., Santa Monica, and B. D. Hall, Los Angeles, Calif. Brush and handle assembly. 2,604,649, July 29.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Variable-speed transmission. 2,590,800, Mar. 25.

Stephenson, Hugh M., Fort Wayne, Ind. Musical instrument. 2,591,023, Apr. 1.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Adjustable tension capstan. 2,601,961, July 1.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Magnetic dynamometer. 2,604,198, July 22.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Adjustable magnetic slip brake. 2,605,875, Aug. 5.

Stephenson, Maurice: *See*—
Fay, Charles H., and Stephenson.

Stephenson, Orley R., Oakland, Calif. Rotary disk plow. 2,619,017, Nov. 25.

Stephenson, Paul A., Chicago, assignor to A. B. Dick Company, Niles, Ill. Roll feed for stencil duplicating machines. 2,585,873, Feb. 12.

Stephenson, Richard G.: *See*—
Horton, Joseph W., Haynes, Gillett, and Stephenson.

Stephenson, Verne L., Goshen, Ind. Closure means for child's garment. 2,580,969, Jan. 1.

Stephenson, William B., Fond du Lac, Wis. Draft control. 2,593,808, Apr. 22.

Stephenson, William B., and J. S. Lee, Fond du Lac, Wis. Automatic draft control. 2,605,968, Aug. 5.

Stepien, William J., Chicago, Ill. Ornamenting glass. 2,586,394, Feb. 19.

Stepien, William J., Chicago, Ill. Illuminated wall bracket. 2,596,614, May 13.

Stepkin, David, Bronx, N. Y. Cigarette holder for automobile ash trays. 2,613,676, Oct. 14.

Stepp, Anna K., Cleveland, Ohio. Baby garment. 2,599,355, June 3.

Sterba, Edward C.: *See*—
Sterba, George J. and E. C.

Sterba, George J. and E. C., Western Springs, Ill. Centering perforator punch with interchangeable punches. 2,612,222, Sept. 30.

Sterett, Overby B.: *See*—
West, Leonard R., and Sterett.

Steringa Idzerda, Henrikus H. S. à, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tube generator. 2,601,416, June 24.

Sterland, Ernest G., Rugby, assignor to The English Electric Company Limited, London, England. Gas turbine plant having a dynamic compressor for normal and high load operation and a positive displacement compressor for low load operation. 2,619,796, Dec. 2.

Sterling Drug Inc., assignee: *See*—
Albertson, Noel F.
Archer, Sydney.
Archer, Sydney, and Suter.
Archer, Sydney, Suter, and Tullar.
Brown, William, and Mellor.
Buck, Johannes S., and Tullar.
Clinton, Raymond O.
Clinton, Raymond O., and Laskowski.
Hart, John W.
King, John A.
Lakso, Eugene E. and E. E.
Meyer, Felix.
Ruddy, Arlo W.
Surrey, Alexander R., and Cutler.

Sterling Electronic Door Control Corporation, assignee: *See*—
McNinch, James N.

Sterling, Florence J., assignor to Sterling-Freeland Industries, Inc., Chicago, Ill. Simulated window. 2,589,744, Mar. 18.

Sterling-Freeland Industries, Inc., assignee: *See*—
Sterling, Florence J.

Sterling Hardware Mfg. Co., assignee: *See*—
Sterling, John G.

Sterling Industries Limited, assignee: *See*—
Thomas, Percival E.

Sterling, John G., Evanston, assignor to Sterling Hardware Mfg. Co., Chicago, Ill. Sliding door hanger assembly. 2,617,141, Nov. 11.

Sterling, Robert F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cellular resins. 2,608,536, Aug. 26.

Sterling, Walter S., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Conveyer. 2,596,615, May 13.

Sterling, William A.: *See*—
Centini, Joseph R., and Sterling.

Sterlingworth Company, assignee: *See*—
Godshalk, James B., and Medlar.

Sterman, Samuel, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Grease lubricant. 2,585,182, Feb. 12.

Stern, Benjamin, assignor to Koster's Bakery Co., Brooklyn, N. Y. Bread wrapping machine. 2,608,811, Sept. 2.

Stern, Charles, Geneva, Switzerland. Manufacturing timepiece dials. 2,594,820, Apr. 29.

Stern, Charles, Geneva, Switzerland. Timepiece dial. 2,604,418, July 22.

Stern, Gustave, Paris, France. Control head for devices for filling bottles under counterpressure. 2,605,949, Aug. 5.

Stern, Kurt G., New York, N. Y. Self-developing pocket radiation dosimeter. 2,624,011, Dec. 30.

Stern, Raphael L., South River, N. J., assignor to Hercules Powder Company, Wilmington, Del. Thermoplastic articles. 2,617,737, Nov. 11.

Stern, Raymond J., New York, N. Y. Jewelry. 2,585,183, Feb. 12.

Stern, William, assignor to Illinois Tool Works, Chicago, Ill. Thread rolling machine. 2,596,962, May 13.

Sternad, Frank S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 2,595,423, May 6.

Sternberg, Ernest M., Estate of: *See*—
Young, Casanave.

Sternberg, Ernest R., executor, assignee: *See*—
Young, Casanave.

Sterner, Melvin, Royal Oak, Mich., assignor to G. M. and E. Holley. Vacuum ignition mechanism. 2,621,641, Dec. 16.

Sterner, Olof F., Overlida, Sweden. Crate for eggs or other similar piece goods. 2,598,616, May 27.

Sterrett, Vance C., Logansport, Ind. Percussion cylinder. 2,603,101, July 15.

Stetser, George P., Drexel Hill, Pa., assignor to M. Friedman, Brooklyn, N. Y. Portable vacuum cleaner unit. 2,605,043, July 29.

Stetson, Allyn F., Chicago, Ill. Power sprinkler shutoff. 2,594,596, Apr. 29.

Stetson China Company, assignee: *See*—
Baron, Fred.
Mann, Martin.

Stenbe, John W., Mystic, and W. Smyth, Noank, Conn. Setting and furling sails. 2,595,110, Apr. 29.

Steuck, Donald, West Allis, Wis. Mechanical lead pencil. 2,604,876, July 29.

Steurer, George E., assignor to Buckeye Tools Corporation, Dayton, Ohio. Belt sander. 2,617,239, Nov. 11.

Steven, Gary: *See*—
Troy, Walter C., and Steven.

Steven, George, Kenmore, and R. R. Fruehauf, Orchard Park, N. Y., assignors to Worthington Corporation. Apparatus for automatically switching from gas fuel to oil fuel in dual fuel internal-combustion engines. 2,612,145, Sept. 30.

Steven, George, Kenmore, and R. R. Fruehauf, Buffalo, N. Y., assignors to Worthington Corporation. Fuel injection pump. 2,612,842, Oct. 7.

Steven, George, Kenmore, and R. R. Fruehauf, Orchard Park, N. Y., assignors to Worthington Corporation. Fuel injection pump. 2,623,468, Dec. 30.

Steven, Glenn A., assignor to The Electro-Glide Company, Inc., Kansas City, Kans. Electrically driven hospital chair. 2,586,273, Feb. 19.

Stevens-Arnold Inc., assignee: *See*—
Weightman, Herbert G.

Stevens, Bruce E., Closter, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,608,681, Aug. 26.

Stevens, Charles M.: *See*—
Nier, Alfred O. C., Thorness, and Stevens.
Parsegian, Vozcan L., and Stevens.

Stevens, Donald R.: *See*—
Spindt, Roderick S., and Stevens.

Stevens, Donald R., Wilkinsburg, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Producing substituted hydroxy aromatic compounds. 2,603,662, July 15.

Stevens, Donald R., Wilkinsburg, and R. S. Bowman, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of tetra-isobutylene. 2,588,425, Mar. 11.

Stevens, Donald R., Wilkinsburg, and R. S. Bowman, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of tri-isobutylene. 2,588,426, Mar. 11.

Stevens, Donald R., Wilkinsburg, and R. S. Bowman, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Production of tri- and tetra-isobutylene. 2,591,384, Apr. 1.

Stevens, Edwin F., St. Paul, Minn. Heating system. 2,607,877, Aug. 19.

Stevens, Evan W., Kendall, Kans. Spinal adjusting device. 2,593,624, Apr. 22.

Stevens, Everett L., assignee: *See*—
Pringle, John W.

Stevens, George S., Richland, Wash. Tire safety indicator. 2,607,836, Aug. 19.

Stevens, Harold P.: *See*—
Van Gelder, Wynand J., and Stevens.

Stevens, Horace D., Sarasota, Fla., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stitcher for tire-building apparatus. 2,581,933, Jan. 8.

Stevens, Horace D., Sarasota, Fla., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building machine. 2,605,197, July 29.

Stevens, J. P., & Co. Inc., assignee: *See*—
Runton, Leslie A.

Stevens, James B., Detroit, Mich. Vibration dampening and insulating means for tools such as dental tools. 2,606,366, Aug. 12.

Stevens, Jesse W., Upland, and D. E. Pritchett, Ontario, assignors to Sunkist Growers, Inc., Los Angeles, Calif. Citrus juice products having stabilized cloud and making the same. 2,599,519, June 3.

Stevens, John C., assignor to Leupold & Stevens Instrument, Inc., Portland, Oreg. Recording instrument. 2,596,305, May 13.

Stevens, Joseph: *See*—
Newhall, Welrose L., Willison, and Stevens.

Stevens, Joseph D., Cushing, Okla. Peanut harvester pick-up. 2,595,117, Apr. 29.

Stevens, Joseph R.: *See*—
Stein, Gustav A., and Stevens.

Stevens, Justus B., East Providence, and F. Bottomley, Barrington, R. I., assignors to Sealol Corporation. Seal for relatively rotating members. 2,587,405, Feb. 26.

Stevens, Kenneth D.: *See*—
Stevens, Robert and K. D.

Stevens, Leland J., Baltimore, Md., assignor to General Electric Company. Insulator cap. 2,598,460, May 27.

Stevens, René A., Antwerp, L. A. Van Der Auwera, Mortsel-Antwerp, and D. M. A. Van Goethem, Kontich, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Light-sensitive photographic element. 2,611,697, Sept. 23.

Stevens, Robert H., assignor to The Murray Corporation of America, Detroit, Mich. Machine and method for collapsing springs in pockets. 2,605,725, Aug. 5.

Stevens, Robert H., assignor to The Murray Corporation of America, Detroit, Mich. Machine and method for magnetically turning springs in pockets. 2,605,947, Aug. 5.

Stevens, Robert and K. D., Cincinnati, Ohio. Storage battery carrying strap. 2,618,503, Nov. 18.

Stevens, Roy R.: *See*—
May, Harry C., and Stevens.

Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure multiple clutch control equipment. 2,598,023, May 27.

Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure motor. 2,604,878, July 29.

Stevens, Samuel S., Plattsburgh, assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Receptacle and making the same. 2,590,221, Mar. 25.

Stevens, Sue C., Dayton, Ohio, assignor to Swift & Company, Chicago, Ill. Whey treatment. 2,622,982, Dec. 23.

Stevens, Sydney A.: *See*—
Peter, Leslie H., Sheppard, and Stevens.

Stevens, Sydney A., London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company. Indicator for alternating electric current transformers. 2,613,260, Oct. 7.

Stevens, Sydney A., and H. Ducklitt, assignors to Westinghouse Brake and Signal Company Limited, London, England. Detection of voltage or current variations in electric circuits. 2,603,689, July 15.

Stevens, Sydney A., and H. Ducklitt, King's Cross, London, assignors to Westinghouse Brake and Signal Company Limited, London, England. Apparatus for controlling the supply of current to electroplating vats and the like. 2,624,035, Dec. 30.

Stevens, William F., assignor to Ideas Incorporated, Madison, Wis. Lawn mower sharpening device. 2,621,455, Dec. 16.

Stevenson, Allan B., North Attleboro, and W. H. Cannard, assignors to American Reenforced Paper Company, Attleboro, Mass. Web reinforcing machine. 2,620,015, Dec. 2.

Stevenson, Arthur C.: *See*—
Benner, Roland G., and Stevenson.

Stevenson, Fannie K.: *See*—
Shoenberger, Helen I., and Stevenson.

Stevenson, Halsey B.: *See*—
Cline, Edward T., Pinkney, Plambeck, and Stevenson.

Stevenson, Henry J., Weston, Via Oamaru, New Zealand. Blower and air conduits for combines. 2,611,487, Sept. 23.

Stevenson, James F., Jr.: *See*—
Ruff, Harold T., and Stevenson.

Stevenson, John H., Port Arthur, Tex. Valve. 2,622,838, Dec. 23.

Stevenson, Ralph W., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carrier. 2,589,452, Mar. 18.

Stevenson, Reston, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Smoke generating device. 2,603,607, July 15.

Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Multiple control valve. 2,592,353, Apr. 8.

Stevenson, Robert L., Somerville, and J. A. Herr, Hillside, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Dual electrode tuning units for electric bonding machines. 2,583,128, Jan. 22.

Stevenson, Robert O., Philadelphia, and C. R. Turner, Springfield Township, Montgomery County, assignors to Proctor Electric Company, Philadelphia, Pa. Toaster. 2,616,358, Nov. 4.

Stevenson, Robert O., and J. W. Myers, Philadelphia, and C. R. Turner, Springfield Township, Montgomery County, assignors to Proctor Electric Company, Philadelphia, Pa. Steam iron with controlled water flow. 2,620,576, Dec. 9.

Stevenson, Samuel B., assignor to F-D-S Manufacturing Company, Inc., Pomona, Calif. Ventilated packing box and cushioning member therefor. 2,609,956, Sept. 9.

Stevenson, Thomas K., assignor to National Smoke Control Corporation, Cleveland, Ohio. Apparatus for separating solids from currents of gases. 2,599,139, June 3.
Stevenson, Ulplan B., Paragould, Ark. Seed and fertilizer distributing runner. 2,623,483, Dec. 30.
Stevenson, William G., Lakeside, and W. E. MacKinnon, Montreal, assignors to Ayerst, McKenna & Harrison Limited, St. Laurent, Quebec, Canada. Suppository. 2,584,166, Feb. 5.
Steward, Howard W., Townsend, Mont. Gate hinge. 2,602,954, July 15.
Steward, William A., Maplewood, Mo. Pad structure. 2,595,111, Apr. 29.
Stewart, Arthur M., assignee: *See*—
Ruckman, Ruben L.
Stewart, Charles D., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Dual throttle control. 2,613,547, Oct. 14.
Stewart, Charles R., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Cleaning porous media. 2,617,719, Nov. 11.
Stewart, Colin W., assignor to Saginaw Products Corporation, Saginaw, Mich. Seal construction. 2,617,668, Nov. 11.
Stewart, Datis J., assignor of one-half to J. A. Key, Cardston, Alberta, Canada. Wood-sawing attachment for automobiles. 2,603,248, July 15.
Stewart, Deloris M., Shelbyville, Ind. Stationery rack. 2,600,339, June 10.
Stewart, Donal A., assignor of one-half to J. Stewart, Los Angeles, Calif. Adapter for screen cloth. 2,606,608, Aug. 12.
Stewart, Donald R., Detroit, Mich. Electrical energy measuring apparatus. 2,595,373, May 6.
Stewart, Earl M., Youngstown, Ohio. Bunion pad. 2,619,961, Dec. 2.
Stewart, Felix I., Huntsville, Ala. Intermediate carrying cable support for cableways. 2,607,499, Aug. 19.
Stewart, Floyd D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 1-acetoxy-1,1-dicyano ethane. 2,596,826, May 13.
Stewart, Frederick M., Edinburgh, Scotland. Upper cylinder lubricator. 2,608,187, Aug. 26.
Stewart, Gilbert, assignor to Ex-Cell-O Corporation, Detroit, Mich. Turning machine. 2,586,183, Feb. 19.
Stewart, Glenn F., Cleveland Heights, F. E. Houck, and J. D. Boyer, Jr., Warren, Ohio, assignors, by mesne assignments, to Sharon Steel Corporation, Sharon, Pa. Method and apparatus for handling railroad ties. 2,622,540, Dec. 23.
Stewart, Harold E., Wamego, Kans. Wallpaper display. 2,589,641, Mar. 18.
Stewart, Harold R.: *See*—
Thaw, Wallace M., and Stewart.
Stewart, Harold R., Point Reyes Station, and W. M. Thaw, San Pablo, assignors to California Research Corporation, San Francisco, Calif. Production of lubricating oil. 2,597,908, May 27.
Stewart, Harry, Grass Valley, Nev. Control handle for model airplanes. 2,592,971, Apr. 15.
Stewart, Herman V., Glendale, Calif. Internal-combustion engine. 2,618,250, Nov. 18.
Stewart, Howard J., Apollo, assignor to Union Spring and Manufacturing Co., New Kensington, Pa. Journal box lid. 2,621,984, Dec. 16.
Stewart, Howard J., Apollo, assignor to Union Spring and Manufacturing Co., New Kensington, Pa. Journal box lid. 2,621,986, Dec. 16.
Stewart, Hugh W.: *See*—
Kuh, Erwin, and Stewart.
Scalera, Mario, and Stewart.
Stewart, Hugh W., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-carbocyclic-carbamyl-4-heterocyclic-piperazines. 2,602,792, July 8.
Stewart, Hugh W., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-carbamyl-4-thiazolyl piperazines. 2,602,796, July 8.
Stewart, Ian F., Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited. Apparatus particularly adapted for charging orientated articles of relatively greater length than width. 2,619,869, Dec. 2.
Stewart, James, assignee: *See*—
Stewart, Donal A.
Stewart, James E., Minneapolis, Minn. Lateral loading and unloading attachment for forked lift trucks. 2,584,240, Feb. 5.
Stewart, James E., Minneapolis, Minn. Reinforced and protectively coated unit lumber package and forming the same. 2,584,241, Feb. 5.
Stewart, James S., Santa Barbara, assignor to S. Ball, Alhambra, Calif. Paving dowel supporting structure. 2,618,038, Nov. 18.
Stewart, John H. F., Mt. Clemens, Mich. Mold for producing plastic articles without flash. 2,607,080, Aug. 19.
Stewart, John M.: *See*—
Snyder, Harold R., and Stewart.
Stewart, Joseph: *See*—
Morrell, Charles E., Stewart, and Carlson.
Stewart, Leonard A.: *See*—
Smith, Merton, and Stewart.
Stewart, Milford D., South Bend, Ind., assignor to The Oliver Corporation. Tractor drive for implements. 2,608,259, Aug. 26.
Stewart, Patterson O., assignee: *See*—
Agin, Julius.
Stewart, Richard A., and A. E. Barber, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Card feed controlling mechanism. 2,620,977, Dec. 9.
Stewart, Richard C., Oxnard, Calif. Traction device for track laying vehicles. 2,599,592, June 10.
Stewart, Robert J., and F. S. Bell, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling machine. 2,591,739, Apr. 8.
Stewart, Robert P.: *See*—
Lindau, John H., Stewart, and Black.
Stewart, S. Grant, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis gas manufacture. 2,606,158, Aug. 5.
Stewart, Seymour F., Shaker Heights, and A. D. Gilchrist, Lyndhurst, assignors to The Leece-Neville Company, Cleveland, Ohio. Inductor alternator. 2,588,175, Mar. 4.
Stewart, Thomas D., New Kensington, Pa. Car mover. 2,598,197, May 27.
Stewart, Thomas W., assignor to Weyerhaeuser Timber Company, Longview, Wash. Handling waste sulfite liquor. 2,596,875, May 13.
Stewart-Warner Corporation, assignee: *See*—
Allen, George W., and Tramontini.
Bender, Joseph L.
Campbell, Thomas A., and Harris.
Christensen, Alfred.
Collins, Arthur R., Ryder, and Randall.
Coxon, George E.
Dahlgren, John V. S.
Garancher, Marcel.
Gross, Irving A.
Leslie, John H., II, and Marshall.
Marshall, William A., Jr.
Mesa, Joseph O.
Morton, Robert B.
Norman, Horace M.
Petroff, Merlin.
Ryder, Frank A., and Potter.
Ryder, Frank A., and Randall.
Schmid, Walter, and Simkus.
Schweisthal, Frederick G.
Tear, Harry R.
Tramontini, Vernon N.
Walker, Jerome F.
Whitted, John B.
Stewart, Wayne R., Hutchinson, Kans. Auxiliary semi-pneumatic tire for flat rimmed wheels. 2,614,602, Oct. 21.
Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Diesters of dibasic acids as plant growth regulants. 2,603,560, July 15.
Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Complex amine products with dialkyl zinc dithiocarbamates as pesticides. 2,588,428, Mar. 11.
Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Herbicidal composition. 2,615,804, Oct. 28.
Stewart, William G., Covington, Ky. Display bin assembly. 2,584,755, Feb. 5.
Stewart, William H., assignee: *See*—
Fletcher, Albert C.
Stewart, William H., Oklahoma City, Okla. Outside metal blind. 2,581,215, Jan. 1.
Stewart, William L., Terrell Wells, assignor of forty-nine percent to T. L. Carlisle, San Antonio, Tex. Gun sight. 2,603,874, July 22.
Stewart, William T.: *See*—
Lowe, Warren, Stewart, and Clayton.
Woodruff, Richard L., Stewart, and Lowe.
Stewart, William T., El Cerrito, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Lubricant. 2,620,304, Dec. 2.
Stewart, William T., El Cerrito, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Oil compositions. 2,620,305, Dec. 2.
Stewart, William T., El Cerrito, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Lubricating oil compositions. 2,620,306, Dec. 2.
Stewart, William T., El Cerrito, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Lubricating oil. 2,620,307, Dec. 2.
Stewart, William T., El Cerrito, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Compositions for lubrication. 2,620,308, Dec. 2.
Stewart, William T., El Cerrito, and A. Goldschmidt, Oakland, assignors to California Research Corporation, San Francisco, Calif. Lubricant compositions. 2,620,309, Dec. 2.
Stewart, Willis G., assignor to Midgage Models, Inc., Portsmouth, R. I. Model electric locomotive. 2,599,138, June 3.
Stewart, Wilson M., Ottawa, Ontario, Canada. Bottle lifter. 2,619,373, Nov. 25.

Stewart, Wilson M., Ottawa, Ontario, Canada. Coin-controlled vending machine. 2,619,399, Nov. 25.
Steyer, Friedhelm, and W. Werner, Hamburg, Germany, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable capacitor. 2,614,149, Oct. 14.
Stibbe, Edward V., and L. W. Gibbins, assignors to G. Stibbe & Co. Limited, Leicester, England. Power-operated circular knitting machines. 2,580,617, Jan. 1.
Stibbe, G., & Co. Limited, assignee: *See*—
Brown, Albert M.
Palmer, George, and Carver.
Roper, Colin V.
Smith, Bert.
Stibbe, Edward V., and Gibbins.
Stibitz, George R., Burlington, Vt. Electric computer for addition and subtraction. 2,609,143, Sept. 2.
Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Dough mixer with dough gripping and refrigerated wall. 2,593,705, Apr. 22.
Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Sheeted dough transfer conveyer. 2,600,281, June 10.
Sticht, Glenn A., Missoula, Mont. Stovepipe damper. 2,611,543, Sept. 23.
Stickel, Harold A., San Francisco, Calif. Selective signal receiving device. 2,595,614, May 6.
Stickelber & Sons, Inc., assignee: *See*—
Sticelber, Merlin A.
Stickland, Arthur E.: *See*—
Kemp, Jacob D., and Stickland.
Stickler, John J., Ithaca, N. Y., assignor to Radio Corporation of America. Modulation of high-frequency energy. 2,580,970, Jan. 1.
Stickney, Michael E.: *See*—
Cary, Henry H., Hawes, Stickney, and George.
Stickney, Wilder C., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Buoyancy type liquid metering device. 2,614,578, Oct. 21.
Stieber, Anna M.: *See*—
Vogl, Henry L., and Stieber.
Stieglitz, Henry C., assignor to Thompson Products, Inc., Cleveland, Ohio. Milling machine and impeller wheel manufacture. 2,585,973, Feb. 19.
Stiehm, Glen W., assignor to Jewett & Sherman Company, Milwaukee, Wis. Food packing rack and packing food articles. 2,605,187, July 29.
Stienen, Ernest A., Peekskill, N. Y. Spindle adapter for supporting rayon cakes. 2,594,366, Apr. 29.
Stiffel, Theophile A., Chicago, Ill. Combination lamp and television antenna. 2,583,066, Jan. 22.
Stigter, Albert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wireless receiver tunable to a number of wave length ranges. 2,586,576, Feb. 19.
Stigter, Willem H.: *See*—
Köhler, Jacob W. L., Jonkers, Stigter, and Liebe.
Stigter, Willem H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas piston apparatus having cylinder means and axially arranged piston bodies, heat exchangers, and regenerator therein. 2,596,051, May 6.
Stilbert, Elmer K.: *See*—
Young, Arthur E., Stilbert, and Lalk.
Stilborn, Henry G., Moosomin, Saskatchewan, Canada. Animal tunnel trap. 2,586,110, Feb. 19.
Stiles, Alan R.: *See*—
Harman, Denham, and Stiles.
Rust, Frederick F., Stiles, and Vaughan.
Stiles, Alan R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of alpha hydroxy phosphonates. 2,593,213, Apr. 15.
Stiles, Alvin B., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytically removing sulfur. 2,620,362, Dec. 2.
Stiles, Anne K., Chicago, Ill. Garment hanger. 2,621,835, Dec. 16.
Stiles, Hugh R., St. Mary-of-the-Woods, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Feed supplement. 2,603,567, July 15.
Stiles, Le Conie, Seattle, Wash. Producing butter-horns. 2,623,480, Dec. 30.
Still, Conway L., Chester, S. C., assignor to The Springs Cotton Mills, Inc. Conveyer system for handling picker laps. 2,588,942, Mar. 11.
Still, Sidney S., Orlando, Fla. Preparation of drawn poultry carcasses. 2,613,391, Oct. 14.
Stillabower, Donald R., Detour, Mich. Piepan lifting and handling implement. 2,613,979, Oct. 14.
Stillman, Albert L., assignor, by mesne assignments, to Fuel Research Corporation, New York, N. Y. Briquetting machine. 2,621,364, Dec. 16.
Stillman, Albert L., Plainfield, N. J., assignor to Fuel Research Corporation, New York, N. Y. Molybdenum-containing fertilizer. 2,590,474, Mar. 25.
Stillman, Albert L., Plainfield, N. J., assignor to Fuel Research Corporation, New York, N. Y. Manufacture of stable suspensions of coal particles. 2,590,733, Mar. 25.
Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.
Stillwagon, Charles K., assignor to Davis Brake Beam Company, Johnstown, Pa. Brake beam. 2,613,767, Oct. 14.
Stillwagon, Crawford K., Houston, Tex. Piston. 2,597,829, May 20.
Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Sealing unit for a valve mechanism. 2,613,907, Oct. 14.
Stillwell, Glenn E., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Side and bottom slat feed for automatic boxmaking machines. 2,614,252, Oct. 21.
Stilmar, Frederic B.: *See*—
McCormack, William B., and Stilmar.
Stilmar, Frederic B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vat dyes of the anthraquinone-oxdiazole series. 2,601,179, June 17.
Stilphen, Mortimer B., Haverhill, Mass. Cooking device. 2,584,061, Jan. 29.
Stilwell, Gladys F.: *See*—
Stilwell, Wilber M. and G. F.
Stilwell, Wilber M. and G. F., Vermillion, S. Dak. Child's safety scissors. 2,591,740, Apr. 8.
Stimler, Saul, Brooklyn, N. Y., assignor to Westinghouse Air Brake Company. Alternating electric current transformer. 2,598,617, May 27.
Stinchfield, John M., Monmouth Junction, N. J., assignor to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,591,976, Apr. 8.
Stine, Charles M.: *See*—
Patton, Stuart, and Stine.
Stine, Harrison M., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Combination process for the catalytic hydrodesulfurization and reforming of hydrocarbon mixtures. 2,580,478, Jan. 1.
Stine, Harrison M., East Cleveland, Ohio, assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated. Catalysis and process for reforming hydrocarbons. 2,584,756, Feb. 5.
Stine, Paul J., assignee: *See*—
Keef, Leard M.
McClintock, Sherman E.
Stinnett, Charlie F., Huntsville, Ala. Awning. 2,614,300, Oct. 21.
Stinnitt, Raymond: *See*—
Wadlington, James E., and Stinnitt.
Stinson, George H., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrolytic capacitor. 2,617,863, Nov. 11.
Stinson, John A., assignee: *See*—
Hammes, Frederic J.
Stinson, John M.: *See*—
Stout, Edgar L., Scott, and Stinson.
Stinson, Milburn C., Santurce, Puerto Rico. Effluent cleaner and saver. 2,582,401, Jan. 15.
Stipek, Johann, Vienna, Austria. Stereoscopic projection system, including anaglyphic and polarizing filters. 2,623,433, Dec. 30.
Stiratelli, Bartholomew A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyethylene stabilized with sulfur plus a vulcanization accelerator. 2,582,510, Jan. 15.
Stirn, Frank E., Pearl River, and A. S. Taylor, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Capsule drying and burnishing method. 2,600,367, June 10.
Stirnkorb, Fred E., assignor to The M B Manufacturing Company, Inc., New Haven, Conn. Driving unit for electromagnetic vibration exciters. 2,586,881, Feb. 26.
Stirnkorb, John R., assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Ultraviolet light source and circuit for refrigerator cabinets. 2,622,409, Dec. 23.
Stitz, Harry, and M. Morgenstern, New York, N. Y.; said Morgenstern assignor to said Stitz. Soap salvager and soaper. 2,582,175, Jan. 8.
Stivín, Jiří, Rychnov, near Jablonec n N. Czechoslovakia. Dynamoelectric power measuring cutoff. 2,586,577, Feb. 19.
Stobb, Anton: *See*—
Huck, William F., and Stobb.
Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Continuous method for cooling and shaping thermoplastics. 2,582,294, Jan. 15.
Stoble, John J., Chicago, and H. R. Youngkrantz, Lombard, assignors to Apex Smelting Company, Chicago, Ill. Anode structure. 2,620,297, Dec. 2.
Stock, Charles S. R.: *See*—
Newton, Noel B., and Stock.
Stockburger, George W., St. Louis, Mo. Receptacle closure. 2,586,446, Feb. 19.
Stockburger, George W., Philadelphia, Pa. Die. 2,611,522, Sept. 23.
Stockdale, Allen C.: *See*—
Malin, Ralph D., and Stockdale.
Stocker, Alfred E., Mercer Island, Wash., assignor to Anchor Brake Corporation, Oakland, Calif. Brake wear take-up. 2,584,510, Feb. 5.
Stocker, Arthur C., Collingswood, N. J., assignor to Radio Corporation of America. Linearity control sweep circuits. 2,594,513, Apr. 29.

Stocker, Arthur C., Collingswood, N. J., assignor to Radio Corporation of America. Television scanning apparatus. 2,597,683, May 20.

Stockfleth, Berger, Paradise Cove, and L. M. Osborne, San Rafael, Calif. Indicator board. 2,584,511, Feb. 5.

Stocklock Proprietary Limited, assignee: *See*— Watson, Henry G.

Stockman, Harry E. S., Waltham, Mass. Wide range ultrahigh frequency tuning cavity. 2,613,269, Oct. 7.

Stockman, Richard E., South Euclid, Ohio, assignor to the United States of America as represented by the Secretary of the Air Force. Oxygen demand regulator, including altitude compensator. 2,608,200, Aug. 26.

Stockmar, Albert H., Villa Rica, Ga. Frangible frame all-purpose farm implement. 2,588,585, Mar. 11.

Stockmar, Albert H., Villa Rica, Ga. Apparatus and method for molding concrete blocks. 2,596,052, May 6.

Stockstill, Clinton L., Detroit, Mich. Solar heater and heat exchanger. 2,594,232, Apr. 22.

Stockton Box Company, assignee: *See*— Leash, Neil A.

Stockton, Franklin T., Fort Worth, Tex. Fishing float. 2,611,211, Sept. 23.

Stockton, George W., Birmingham, England. Apparatus for use in determining the characteristics of coated metal sheets. 2,622,132, Dec. 16.

Stockwell, Elmer L., Graybull, Wyo. Hydraulic dumping attachment for trucks. 2,611,641, Sept. 23.

Stoddard, Charles R., Jr., Richmond, Ind. Portable bait container. 2,614,357, Oct. 21.

Stoddard, Edgar S., Berwyn, Ill., assignor to Hotpoint, Inc. Counter assembly. 2,586,112, Feb. 19.

Stoddard, William B., Jr., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Making tubular metallic wave guides. 2,592,614, Apr. 15.

Stoddard, William E., and G. W. Kelly, Saginaw, Mich. Fisherman's ice sled. 2,593,809, Apr. 22.

Stoddart Aircraft Radio Company, assignee: *See*— Johnson, Ralph M. W., and Shaw.

Stodgell, Clare A., Seattle, Wash. Cigarette and ash tray for saucers. 2,596,921, May 13.

Stodola, Edwin K., Neptune, N. J. Frequency modulation system. 2,613,348, Oct. 7.

Stodola, Edwin K., Neptune, N. J., assignor to the United States of America as represented by the Secretary of War. Moving target pulse echo measuring system. 2,614,250, Oct. 14.

Stodola, Edwin K., Neptune, N. J., assignor to the United States of America as represented by the Secretary of War. Radio object locating system. 2,615,158, Oct. 21.

Stodola, Frank H.: *See*— Benedict, Robert G., and Stodola.

Stodolka, Cyril L. and J. P., Little Falls, Minn. Aggregate receiving and conveying machine. 2,600,588, June 17.

Stodolka, James P.: *See*— Stodolka, Cyril L. and J. P.

Stoecker, Russell L., Santa Ana, Calif. Can holding, opening, and pouring device. 2,589,800, Mar. 18.

Stoelting Brothers Company, assignee: *See*— Detjen, Edgar W.

Stoelting, Herman O., Milwaukee, and R. A. Wood, South Milwaukee, assignors to McGraw Electric Company, Milwaukee, Wis. Automatic circuit interrupter. 2,607,860, Aug. 19.

Stoesser, Wesley C., Midland, and E. H. Sommerfield, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Making 4 - tertiary - butyl - phenyl salicylate. 2,606,920, Aug. 12.

Stoesser, Wesley C., Midland, and E. H. Sommerfield, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Making 4,4'-isopropylidenediphenol. 2,623,908, Dec. 30.

Stoesz, John A.: *See*— Balzer, Abram P., and Stoesz.

Stofel, Ernest H., assignor to Thermo-Snack Inc., Elmhurst, N. Y. Self-heating can. 2,606,547, Aug. 12.

Stoffel, Hans F., Scarsdale, N. Y. Seal tag. 2,582,295, Jan. 15.

Stoffel Seals Corporation, assignee: *See*— Ashton, Ernest W. Nierhaus, Henry. Stelzer, William.

Stogran, Max J., Chicago, Ill. Cord equalizing mechanism for Venetian blinds. 2,580,479, Jan. 1.

Stogsdill, Sherman L., and B. F. Rassieur, St. Louis County, assignors to Paulo Products Company, St. Louis, Mo. Invalid's pickup stick. 2,597,400, May 20.

Stoiber, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film developing rack. 2,592,354, Apr. 8

Stokes, Alfred P. D., Jr.: *See*— Stokes, Richard J. D., and A. P. D. Stokes, Jr.

Stokes, F. J., Machine Company, assignee: *See*— Flosdorf, Earl W. Flosdorf, Earl W., and Distler. Flosdorf, Earl W., and Hull. Strauss, William.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Wear indicating device for drill bits. 2,580,860, Jan. 1.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core taking apparatus. 2,582,361, Jan. 15.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core bit. 2,621,026, Dec. 9.

Stokes, John S., deceased, Huntingdon Valley, Pa.; M. M. Stokes, J. S. Stokes, Jr., D. R. Yarnall, P. Price, P. C. Madeira, Jr., and Provident Trust Company of Philadelphia, executors of said J. S. Stokes., assignors to Stokes & Smith Company, Philadelphia, Pa. Apparatus for wrapping articles. 2,597,041, May 20.

Stokes, John S., Huntingdon Valley, and E. W. Bleam, Philadelphia, Pa., assignors to Stokes & Smith Company. Two-web rotary brush wrapping machine. 2,597,042, May 20.

Stokes, John S., Jr., executor: *See*— Stokes, John S.

Stokes, May M., executrix: *See*— Stokes, John S.

Stokes, Richard J. D., Riverside, and A. P. D. Stokes, Jr., San Diego, Calif. Washing machine having means for attaching same to a vehicle wheel. 2,608,083, Aug. 26.

Stokes & Smith Company, assignee: *See*— Stokes, John S. Stokes, John S., and Bleam.

Stokes, William H.: *See*— Welgham, William R., and Stokes.

Stokes, William P., Portland, Oreg., assignor of one-fourth to H. J. Casey, and one-fourth to G. Goodpasture, and one-fourth to L. R. Pearson. Nut gathering machine. 2,593,625, Apr. 22.

Stokesbary, Walter A., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Drilling sub for sidewall samplers. 2,595,018, Apr. 29.

Stolaroff, E. Manuel, assignee: *See*— Gordon, Don.

Stolk, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Aerial system comprising a concentric transmission line. 2,617,028, Nov. 4.

Stoll, Arthur, A. Hofmann, E. Jucker, T. Petrzilka, J. Rutschmann, and F. Troxler, assignors to Sandoz Limited, Basel, Switzerland. Lysergyl and isolysergyl glycines. 2,589,978, Mar. 18.

Stoll, Arthur, and J. Rutschmann, assignors to Sandoz A.G., Basel, Switzerland. Preparing d,l-dihydro-lysergic acid. 2,619,488, Nov. 25.

Stoll, Victor, New York, N. Y. Dental surveyor and coordinator. Re. 23,498, May 20.

Stoll, Wilbert G.: *See*— Ruzicka, William, and Stoll.

Stoll, Willy, Basel, and C. J. Morel, Arlesheim, Basel-Land, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic stilbene derivatives. 2,599,497, June 3.

Stolle, Anthony D.: *See*— Gallagher, William P., Stolle, and Schroeder.

Stolp, William J.: *See*— Rowe, Oliver R., Schoeneck, and Stolp. Rowe, Oliver R., and Stolp.

Stoltenberg, Delbert H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Parking valve for expansible chamber windshield wiper motors. 2,590,475, Mar. 25.

Stoltenberg, Delbert H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Parting windshield wiper motor of the oscillating piston type. 2,593,626, Apr. 22.

Stoltz, Edmund G., Sr., Granite City, Ill. Backwater valve for drains. 2,586,735, Feb. 19.

Stolz, Frederick A., San Francisco, and E. J. Vaught, Jr., Oakland, Calif., assignors to Pabco Products Inc. Asbestos-aluminum powder paint. 2,598,854, June 3.

Stolze, William J., Astoria, N. Y., assignor to Radio Corporation of America. Loop antenna tuning circuit. 2,589,745, Mar. 18.

Stolze, William J., Bayside, N. Y., assignor to Radio Corporation of America. Protecting kinescope screens. 2,607,018, Aug. 12.

Stone, Albert F., E. A. Hayden, and H. W. Parker, Callahan, Calif. Filing and joining gauge for saw chains. 2,594,821, Apr. 29.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe latching means. 2,619,234, Nov. 25.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe spinner. 2,582,724, Jan. 15.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hold-down slip assembly. 2,589,159, Mar. 11.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Leaf spring for spinning pipe. 2,593,498, Apr. 22.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Spinner elevator for pipe. 2,595,902, May 6.

Stone, Albert L., Redondo Beach, Los Angeles, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for moving pipe. 2,596,828, May 13.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hoisting device. 2,613,915, Oct. 14.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Power-operated slidable jaw pipe tong. 2,615,682, Oct. 28.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Kelly bushing. 2,620,163, Dec. 2.

Stone, Albert R., Baltimore, Md., assignor to Gerotor May Corporation. Stress indicating bolt or stud. 2,600,029, June 10.

Stone, Charles D., assignor of fifteen per cent to E. B. Standley, Boise, Idaho. Friction clutch mechanism. 2,620,910, Dec. 9.

Stone, Clarence D.: *See*— Meller, John G., Stone, and Hilton.

Stone, Edwal A., Kansas City, Mo. Ear notching tool. 2,589,891, Mar. 18.

Stone, Frank J., Arlington, Mass. Hand-operated stage device. 2,621,440, Dec. 16.

Stone, George B., Hempstead, assignor to Chas. Pfizer & Co., Inc., New York, N. Y. Preparing crystalline anhydrous theophylline. 2,596,946, May 13.

Stone, Guthrie B., Springwater, N. Y. Adjustable ramp. 2,607,937, Aug. 26.

Stone, Harry F., and H. L. Gibson, Los Angeles, Calif. Method and apparatus for producing valve stems. 2,581,774, Jan. 8.

Stone, Harry M., Brooklyn, N. Y. Luggage construction. 2,608,280, Aug. 26.

Stone, Irwin, assignor to Wallerstein Company, New York, N. Y. Retarding the staling of bakery products. 2,615,810, Oct. 28.

Stone, J., & Company Limited, assignee: *See*— Hatcher, Ernest C.

Stone, Jay S., Dolgeville, N. Y. Demountable casting plug. 2,608,789, Sept. 2.

Stone, John, 4th, Havertown, Pa., assignor to Warren Webster & Company, Camden, N. J. Reactor-controlled electronic circuit. 2,614,242, Oct. 14.

Stone, John A., Detroit, Mich., assignor to Moto, Inc., Cleveland, Ohio. Ticket printing and totaling apparatus. 2,605,967, Aug. 5.

Stone, John R., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,592,615, Apr. 15.

Stone, John R., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,604,619, July 22.

Stone, John R., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating apparatus. 2,619,630, Nov. 25.

Stone, Joseph E., Cleveland Heights, and J. O. Geissbuhler, South Euclid, Ohio, assignors to General Electric Company. Electric incandescent lamp. 2,605,436, July 29.

Stone, Leonard: *See*— Boruff, Clair S., Stone, Bauernfeind, and Garey.

Stone, Leonard H., Lakeport, Calif. Combination impression tray and matrix clamp. 2,622,324, Dec. 23.

Stone Manufacturing Co., assignee: *See*— Stone, Philip G.

Stone, Mary J., Worthington, Minn. Book holder. 2,609,636, Sept. 9.

Stone, Natalie G.: *See*— Gordon, Melvin J.

Stone, Nathan M., Chicago, Ill. Receptacle. 2,591,104, Apr. 1.

Stone, Noel T.: *See*— Kliever, Waldo H., and Stone.

Stone, Oliver M., Cleveland, Ohio. Collapsible stereoscope. 2,621,562, Dec. 16.

Stone, Philip G., New York, N. Y., assignor to Stone Manufacturing Co., Elizabeth, N. J. Pivoted floodlight with watertight passageway for wiring. 2,587,917, Mar. 4.

Stone, Robert O.: *See*— Shapiro, Gustave, and Stone.

Stone, Robert R.: *See*— Hill, Bertram C., and Stone.

Stone, Romaine W., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Vehicle seat. 2,620,855, Dec. 9.

Stone, Roy A., and R. M. Whittom, assignors to National Lock Company, Rockford, Ill. Corner trim. 2,596,827, May 13.

Stone, Sidney J., Lyndhurst, Ohio. Adapter and handle for spray guns. 2,610,895, Sept. 16.

Stone, Sidney J., Lyndhurst, Ohio. Delivery table. 2,610,903, Sept. 16.

Stone, Vincent O., assignor to The Glacier Metal Company Limited, Alperton, Wembley, England. Machine vise having jaws movable downwardly when pressed against workpiece. 2,584,062, Jan. 29.

Stone, Wallace G., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for measuring low pressures and related conditions. 2,600,936, June 17.

Stone, Walter R., Mount Vernon, N. Y. Rain-controlled switch for convertible top automobiles. 2,613,295, Oct. 7.

Stone, Wayne A.: *See*— Schoeppel, John F., and Stone.

Stone, Wayne A., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Caging means for gyroscopes having two displacement axes. 2,591,741, Apr. 8.

Stone, Wayne A., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rate gyroscope. 2,607,230, Aug. 19.

Stone, Wayne A., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscopic slaving apparatus. 2,609,693, Sept. 9.

Stone & Webster Engineering Corporation, assignee: *See*— Schutt, Hermann C.

Stone, Wilfred S.: *See*— Riordan, Howard C., and Stone.

Stonebraker, Harold E., assignee: *See*— Morris, George R.

Stoneman, Alan C., San Marino, assignor to Purex Corporation, Ltd., South Gate, Calif. Vacuum neutralization of detergents. 2,613,218, Oct. 7.

Stoneman, Alan C., San Marino, assignor to Purex Corporation, Ltd., South Gate, Calif. Hypochlorite bleach container. 2,614,690, Oct. 21.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Toggle-acting collet and making same. 2,584,303, Feb. 5.

Stoner, Frank H., assignor to Monroe Auto Equipment Company, Monroe, Mich. Refuse box cover construction. 2,594,233, Apr. 22.

Stoner, Harold J., assignee: *See*— Fitzgerald, Paul H.

Stoner, Harry B.: *See*— Smith, Royal, Stoner, and Parre.

Stoner Manufacturing Corporation, assignee: *See*— Smith, Royal, Stoner, and Parre.

Stoner, Robert A.: *See*— Rohrback, Gilson H., Stoner, Macaulay, and Cardwell.

Stong, Guy E., Elmira, assignor to Corning Glass Works, Corning, N. Y. Glass reheating and reshaping. 2,613,479, Oct. 14.

Stop-Motion Devices Corp., assignee: *See*— Vossen, Edward.

Stora Kopparbergs Bergslogs Aktiebolag, assignee: *See*— Stålhed, John L., and Odberg.

Storch, Henry H., Pittsburgh, and M. G. Pelipetz, Venetia, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Hydrogenation liquefaction of coal employing zinc catalysts. 2,606,142, Aug. 5.

Storch, Max H., Belle Harbor, N. Y. Sanitary hairbrush with removable head. 2,589,746, Mar. 18.

Storck, Howard C., Columbus, Ohio. Suppression system. 2,605,460, July 29.

Storey, Alvin B.: *See*— Sutherland, Frederick F., and Storey.

Storey, Alvin B., Cumberland, Md., assignor to Celanese Corporation of America. Carton. 2,583,672, Jan. 29.

Storey, Alvin B., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Carton. 2,583,673, Jan. 29.

Storey, Alvin B., Cumberland, Md., assignor to Celanese Corporation of America. Device for producing stapilized yarns. 2,596,306, May 13.

Storey, Frank E., Grosse Pointe Woods, assignor to Packard Motor Car Company, Detroit, Mich. Oil filter. 2,615,573, Oct. 28.

Storey, Norman C., Miami, Fla. Hinged section power steered vehicle. 2,594,695, Apr. 29.

Storey, O. W., & Associates, assignee: *See*— Ashton, Howard W.

Storey, Oliver W., trustee, assignee: *See*— Ashton, Howard W.

Stork, Ralph E.: *See*— Brown, David S., Hawes, and Stork.

Storm, Andre W.: *See*— Mak, Gerrit, and Storm.

Storm, Fred K., Jr.: *See*— Smiley, Eldridge H., and Storm.

Storm, Herbert F., Scotia, N. Y., assignor to Sunbeam Corporation, Chicago, Ill. High-frequency induction heating apparatus. 2,588,304, Mar. 4.

Storm, Lynn W.: *See*— Justice, George E., and Storm.

Storm, Lynn W., Houston, Tex. One-way seal. 2,614,793, Oct. 21

Storment, Joseph E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Positive closure plug valve. 2,611,576, Sept. 23.

Storms, Albert, Elmhurst, N. Y. Metal window construction. 2,608,277, Aug. 26.

Storrie, Sarah, known as Sarah Horne, Edinburgh, Scotland. Hot and cold water supply fitting. 2,585,184, Feb. 12.

Storrs, Arnold B., Palos Heights, and J. R. Froedge, Homewood, assignors to Armour and Company, Chicago, Ill. Stabilized emulsions and producing the same. 2,609,300, Sept. 2.

Storsand, Bjarne, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Electric vehicle running between two charging stations without a contact-line. 2,589,453, Mar. 18.

Storsand, Bjarne, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Flywheel energy storage system, particularly for electric vehicles. 2,589,454, Mar. 18.

Storsand, Bjarne, Zurich; assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. One phase push-pull circuit for rectifiers. 2,602,152, July 1.

Storsand, Bjarne, Zurich, assignor to Maschinenfabrik Oerelikon, Zurich-Oerlikon, Switzerland. Device for voltage regulation for rectifier plants. 2,604,611, July 22.

Story, Gethro, Fort Worth, Tex. Can opener. 2,613,435, Oct. 14.

Story, Robert K., Jr., New York, N. Y. Vaginal douche. 2,587,784, Mar. 4.

Story, Walter R., Bellevue, Ky. Adhesive collar stay package. 2,595,112, Apr. 29.

Storz, George J., assignee: *See*—
Von Kreudenstein, Emil S.

Storzbach, Rudolf, assignee: *See*—
Hachtel, Wilhelm.

Stott, Louis L., Reading, Pa., and L. R. B. Hervey, West Concord, Mass., assignors to The Polymer Corporation, Reading, Pa. Treating nylon. 2,592,616, Apr. 15.

Stotts, Howard O., Corning, Calif. Pipe clamp. 2,603,525, July 15.

Stotz, John K.: *See*—
Holt, Gunnard T., and Stotz.

Stoudt, Charles W., Lebanon, Pa. Phonograph record cleaning member. 2,619,354, Nov. 25.

Stough, Turney H., Jeannette, Pa. Candy containing musical toy telephone. 2,590,476, Mar. 25.

Stoughton, Roger W., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. α,α-N-trimethyl succinimide. 2,614,106, Oct. 14.

Stout, Charles R.: *See*—
Kilgore, Louis D., and Stout.

Stout, Edgar L., Sheffield, W. C. Scott, Jr., Florence, and J. M. Stinson, Sheffield, Ala., assignors to Tennessee Valley Authority. Production of lightweight aggregate from molten slag. 2,590,901, Apr. 1.

Stout, Edgar L., Sheffield, W. C. Scott, Jr., Florence, and J. M. Stinson, Sheffield, Ala., assignors to Tennessee Valley Authority. Production of lightweight aggregate from molten slag. 2,590,902, Apr. 1.

Stout, George P., Baltimore, Md. Presence of crown detectors. 2,587,664, Mar. 4.

Stout, Harold E., West Leesport, assignor to Textile Trimming & Boarding Machine Company, Reading, Pa. Trimming of textile articles. 2,607,101, Aug. 19.

Stout, Minor W., Webster Groves, Mo. Centrifugal pump assembly. 2,621,601, Dec. 16.

Stout, Paul R.: *See*—
Dunlop, Andrew P., and Stout.

Stout, William H. and W. W., Portland, Oreg., assignors to Farmland Irrigation Company, Inc. Irrigation pipe coupler. 2,617,667, Nov. 11.

Stout, William L., Clarkston, Wash. Screen leveling device for harvesters. 2,587,918, Mar. 4.

Stout, Wyatt W.: *See*—
Stout, William H. and W. W.

Stovall, John R., Jr., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Force measuring apparatus. 2,620,657, Dec. 9.

Stover, Carrell J.: *See*—
Moulton, Robert, and Stover.

Stover, Egbert C.: *See*—
Field, Crosby, and Stover.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Inverting apparatus. 2,593,627, Apr. 22.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Sealing machine. 2,618,424, Nov. 18.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Machine for applying and sealing closures on containers. 2,618,425, Nov. 18.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Sealing machine. 2,618,426, Nov. 18.

Stover, Roy L., Wichita, Kans. Safety razor. 2,582,176, Jan. 8.

Stover, Roy L., assignor, by mesne assignments, to Kay-Win Products Company, Wichita, Kans. Collapsible stand. 2,621,802, Dec. 16.

Stover, Wilbur F., assignee: *See*—
Berninger, Kenneth L.

Stover, William A.: *See*—
Feasley, Charles F., and Stover.

Stover, William A., Houston, Tex. Spherical dehydrator. 2,620,892, Dec. 9.

Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of chromic salts. 2,615,031, Oct. 21.

Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. 1,1,2-trichloro-1-fluoroethane. 2,622,106, Dec. 16.

Stow, Clarence E., and E. E. Black, Kansas City, Mo. Container for hydropneumatic windshield washer. 2,621,830, Dec. 16.

Stowe, Henry G., assignee: *See*—
Grier, Verlee P.

Stoyke, Ludwig T., Rockford, Ill., assignor to Sundstrand Machine Tool Co. Multiple outlet fluid pump and control. 2,604,046, July 22.

Straehl, Robert N., assignor to Sperry Products, Inc., Danbury, Conn. Rail flaw detector mechanism. 2,587,785, Mar. 4.

Straehl, Robert N., assignor to Sperry Products, Inc., Danbury, Conn. Amplifier for rail flaw detector mechanisms. 2,618,687, Nov. 18.

Straehle, Grace E., assignee: *See*—
Mattio, Christy.

Straehle Machine Products Company, assignee: *See*—
Mattio, Christy.

Strahm, Harve J., Medford, Oreg. Irrigation pipe carrying device. 2,597,760, May 20.

Straight, David M.: *See*—
Gold, Harold, Matz, and Straight.
Gold, Harold, and Straight.

Strain, Daniel E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Butadiene-alkylbenzene-olefin condensation products and their production. 2,603,655, July 15.

Strain, Franklin: *See*—
Muskat, Irving E., and Strain.

Strait, Claude A., St. Paul, Minn. Caterpillar attachment for trucks. 2,584,512, Feb. 5.

Strait-Line Products, assignee: *See*—
Landon, Robert K., and Thomson.

Straka, Cyril J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat treated glass fabric. 2,608,499, Aug. 26.

Straka, John, Chicago, Ill. Blanket holder. 2,611,165, Sept. 23.

Straley, James M., and B. S. Wininger, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing alkyl isodehydroacetates employing sulfur trioxide. 2,607,781, Aug. 19.

Stranahan, John J.: *See*—
Jones, James M., and Stranahan.

Stranak, Michael, and E. B. Linn, Murray, Ky. Food dispensing device. 2,619,117, Nov. 25.

Stranberg, Don F.: *See*—
Conroy, Charles L., and Stranberg.

Strand, Andrew G., deceased; E. M. Strand, administratrix of said A. G. Strand, assignor, by mesne assignments, to E. M. Strand, Philadelphia, Pa. Ski and making the same. 2,611,623, Sept. 23.

Strand Brothers Manufacturing Company, Incorporated, The, assignee: *See*—
Strand, John J.

Strand, Elsie M., administratrix, assignee: *See*—
Strand, Andrew G.

Strand, John J., Ansonia, assignor to The Strand Brothers Manufacturing Company, Incorporated, Derby, Conn. Vegetable slicer. 2,592,832, Apr. 15.

Strand, Russell S., Huntington Park, assignor to Continental Specialties Company, Ltd., Los Angeles, Calif. Independently operable multiple window structure. 2,598,619, May 27.

Strandberg, Malcom W. P., Cambridge, Mass. Coaxial termination for noise diodes. 2,581,819, Jan. 8.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Spike tooth harrow. 2,610,456, Sept. 16.

Strandlund, Jonas H.: *See*—
Modée, Gustav V. G., Strandlund, and Ek.

Strandskov, Frede B.: *See*—
Marks, Henry C., and Strandskov.

Straney, Kenneth O., Scotia, N. Y., assignor to General Electric Company. Field mapping machine. 2,612,627, Sept. 30.

Strange, John, Cardiff, Wales, assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,616,733, Nov. 4.

Strange, John P., Wilkinsburg, and W. P. Yant, Murraysville, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Automatic multiple sampling valve. 2,595,311, May 6.

Strasser, Hans, Stoke-on-Trent, England. Machine for the manufacture of pottery articles. 2,623,258, Dec. 30.

Strasser, Myron S., Albany, N. Y. Collar protector and support. 2,605,941, Aug. 5.

Strassheim, Frederick W., Chicago, Ill. Filter. 2,592,972, Apr. 15.

Strässler, Karl, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Comb-cylinder clearing arrangement in combing machines. 2,583,281, Jan. 22.

Strässler, Karl, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterhur, Switzerland. Air filter used in textile fiber preparation. 2,601,008, June 17.

Stratford, Charles W., assignor to Stratford Engineering Corporation, Kansas City, Mo. Treating lubricating distillates. 2,585,874, Feb. 12.

Stratford Engineering Corporation, assignee: *See*—
Putney, David H.
Stratford, Charles W.

Stratford, Henry R., assignor to Dowty Equipment Limited, Cheltenham, England. Aircraft castorable or steerable landing element mountings. 2,613,888, Oct. 14.

Strathaus, John, San Fernando, Calif. Convertible bed and davenport. 2,610,329, Sept. 16.

Strating, Jan, Groningen, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. 7-dehydrosterol rhodanide and process. 2,588,892, Mar. 11.

Stratman, Omar, Gunnison, Colo. Four-wheel drive tractor. 2,595,494, May 6.

Stratman, William C., and J. W. Fischer, Los Angeles, Calif., assignors to North American Aviation, Inc. Rivet detonating tool. 2,618,399, Nov. 18.

Strattman, Edwin A., New Orleans, La. Lever mounting means for flush tank sterilizing devices. 2,600,937, June 17.

Stratton, Arthur T., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,597,134, May 20.

Stratton, Leon D., Columbiaville, Mich. Motor vehicle seat headrest. 2,622,660, Dec. 23.

Strätveit, Nils N., Oslo, and A. J. Schie, Drammen, Norway. Measuring the moisture content of a running web. 2,611,974, Sept. 30.

Straty, Stephen, assignor to Kilbourn Engineering Company, Milwaukee, Wis. Stud stamping machine. 2,591,473, Apr. 1.

Straub, A. A., Company, Inc., assignee: *See*—
Straub, Augustus A.

Straub, Augustus A., Cleveland, Ohio, assignor to A. A. Straub Company, Inc. Convector for gas heaters. 2,607,577, Aug. 19.

Straub, John C., South Bend, assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind. Classifier. 2,583,447, Jan. 22.

Straubel, Clarence W., assignor to The General Fireproofing Company, Youngstown, Ohio. Drawer suspension. 2,606,090, Aug. 5.

Straubel, Walter E.: *See*—
Gordon, Alexander M., and Straubel.

Strauch, John, Philadelphia, Pa. Telephone lock. 2,588,176, Mar. 4.

Strauch, Leo, New York, N. Y. Adjustable length fur coat. 2,622,247, Dec. 23.

Strauchen, David M., and M. Garvin, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Annular torch head for flame hardening machines. 2,621,717, Dec. 16.

Straus, Henry A., Baltimore, Md., P. R. Bell, Jr., and F. H. Murray, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electrical apparatus for simulating the time dependent response characteristic of neutronic reactors. 2,587,919, Mar. 4.

Straus, Toni, London, England. Bed jacket and similar wearing apparel. 2,603,789, July 22.

Strauss, Herman H., assignor to Gaylord Container Corporation, St. Louis, Mo. Shipping container. 2,603,401, July 15.

Strauss, Herman H., assignor to Gaylord Container Corporation, St. Louis, Mo. Shipping container. 2,603,402, July 15.

Strauss, Jerome, New York, N. Y., and D. L. Edlund, Bethel, Pa., assignors to Vanadium Corporation of America, New York, N. Y. Composition for addition to cast iron or steel. 2,582,079, Jan. 8.

Strauss, Kate R., Bronx, assignor to Famous Bathrobe Co., Inc., New York, N. Y. Convertible garment. 2,598,462, May 27.

Strauss, Kossy, and R. F. Boddey, assignors to Foundry Services Limited, Nechells, Birmingham, England. Exothermically reacting sleeve for risers. 2,591,105, Apr. 1.

Strauss, Pedro, Caracas, Venezuela. Mechanism for reproducing recorded sounds in toys. 2,616,707, Nov. 4.

Strauss, Theodore O., New York, N. Y. Internal-combustion engine. 2,598,461, May 27.

Strauss, Walter L., New York, N. Y. Latching means for handbag frames. 2,581,729, Jan. 8.

Strauss, Walter L., New York, N. Y. Animated mechanical toy. 2,600,340, June 10.

Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Automatic molding press. 2,582,891, Jan. 15.

Straussberger, John H., deceased, Chattanooga, Tenn., by Hamilton National Bank, executor, Chattanooga, Tenn., assignor to Julius Kayser & Co., New York, N. Y. Method of and mechanism for widening a knitted fabric between two successive knitting operations. 2,597,761, May 20.

Straw, Joel: *See*—
Averns, Harry M., and Straw.

Strawn, Glenn A., assignee: *See*—
Murray, Michael F.

Strawn, Raymond C., Chicago, Ill. Planetary power transmission device. 2,593,933, Apr. 22.

Stray, Osmund, assignee: *See*—
Magnussen, Herman A., and Johansen.

Strayer, Chalmers A., Wilmington, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Hydraulic coupling valve. 2,612,872, Oct. 7.

Strayer, Lawrence H., Kent, Ohio. Sleeping-doll eye mechanism. 2,619,773, Dec. 2.

Strayer, Wilfred, Germantown, Ohio. Grinding wheel blower. 2,599,952, June 10.

Strayer, William B.: *See*—
Countryman, James H., and Strayer.

Strayer, William B., Miamisburg, Ohio. Wrench having axially cammed collet. 2,599,026, June 3.

Streader, William J., assignor to Tate Bros., Portslade, England. Attaching connections to stranded cables. 2,601,462, June 24.

Stream, Ralph M., and I. G. Brenner, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Winding apparatus. 2,622,810, Dec. 23.

Strebinger, Richard R., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrically controlled dashpot for carburetor throttles. 2,598,855, June 3.

Strecker, Herman A.: *See*—
Kimball, Charles N., Lewis, and Strecker.

Streed, Clifford E., Minneapolis, Minn. Carburetor. 2,611,595, Sept. 23.

Street, Donald T., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Gun telescope mounting. 2,621,410, Dec. 16.

Street, Jabes C., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse-forming circuit. 2,608,654, Aug. 26.

Street, Louis F., Philadelphia County, assignor to Welding Engineers, Inc., Norristown, Pa. Pellet-cutting mechanism. 2,614,290, Oct. 21.

Streeter-Amet Company, assignee: *See*—
Kennedy, Verne C.
Kennedy, Verne C., and Verne C. Kennedy, Jr.

Streeter, Victor L., Chicago, Ill. Fluid temperature control device. 2,610,795, Sept. 16.

Streeter, Walter E.: *See*—
Ferner, Warren E., Alexander, Robinson, and Streeter.

Streets, Rubert B., Tucson, Ariz., assignor to Chemical Seed Treating and Delinting Corporation. Treatment of cotton seed and the like. 2,618,103, Nov. 18.

Strehlow, Robert W., Milwaukee, A. M. Olson, Wauwatosa, and L. E. Kaap, assignors to Chain Belt Company, Milwaukee, Wis. Table scrap eliminating device. 2,593,359, Apr. 15.

Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Farm tractor. 2,580,481, Jan. 1.

Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power take-off. 2,582,466, Jan. 15.

Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pump and motor hydraulic system and regulating apparatus therefor. 2,611,245, Sept. 23.

Strehlow, Walter F., C. T. O'Harrow, Wauwatosa, and G. W. Park, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Farm tractor. 2,580,480, Jan. 1.

Strehlow, Walter F., and C. T. O'Harrow, Wauwatosa, and R. W. Johansen, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power lift means affording depth control and sequential raising and lowering of implements. 2,611,306, Sept. 23.

Strehlow, Walter F., Wauwatosa, and I. Kamlukin, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control linkage for hydraulic draft regulation of vehicle propelled implements. 2,611,307, Sept. 23.

Strehlow, Walter F., Wauwatosa, and I. Kamlukin, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pump. 2,611,319, Sept. 23.

Streib, William C.: *See*—
Badollet, Marion S., and Streib.

Streit, Albert P., deceased, and M. J. M. Streit, Cachan, France; M. J. M. Streit, temporary administrator of the estate of A. P. Streit. Hooping railway sleepers. 2,592,077, Apr. 8.

Streit, Michel J. M.: *See*—
Streit, Albert P. and M. J. M.

Streit, Michel J. M., administrator: *See*—
Streit, Albert P. and M. J. M.

Streitz, George A., assignee: *See*—
Brown, Earl E.

Strelow, Henry A.: *See*—
McCabe, John B., Strelow, and Marty.

Streng, Jan., Redding, Conn., assignor to Remington Rand Inc., New York, N. Y. Keyboard structure. 2,585,699, Feb. 12.

Stretz, Lawrence A., Boonville, Mo. Combination spark screen and draught curtain for fireplaces. 2,590,903, Apr. 1.

Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Screen cleaning apparatus. 2,601,704, July 1.

Streun, Walter, Berne-Liebefeld, Switzerland, assignor to G. B. Scarlett, Kennett Square, Pa. Valve operating device. 2,608,377, Aug. 26.

Strew, Kenneth G., Sherbrooke, Quebec, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada. Sliver piecing device. 2,608,725, Sept. 2.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifuge for separating cream from cold milk products. 2,593,934, Apr. 22.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Method and system for separating solids from liquids. 2,596,616, May 13.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Sealing arrangement for closed centrifugal separators. 2,605,045, July 29.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Valve system for centrifuges. 2,616,621, Nov. 4.

Stribley, Rexford C.: *See*—
Pratt, William J., Selbert, and Stribley.

Strickland, Barney R., Westfield, N. J., assignor to Standard Oil Development Company. Solvents for gasoline inhibitors. 2,589,979, Mar. 18.

Strickland, Barney R., Westfield, N. J., assignor to Standard Oil Development Company. Color stable gasoline composition. 2,608,476, Aug. 26.

Strickland, Harold A., Jr., Grosse Pointe Park, and D. W. Riddell, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Heating and work handling apparatus. 2,604,577, July 22.

Stricklin, Harry C., Euclid, Ohio. Typewriter page end indicator. 2,595,178, Apr. 29.

Strickman, Samuel W., Kew Gardens, N. Y., assignor of one-quarter to C. E. Bloom, Glen Ridge, N. J., and one-quarter to H. C. Bierman, New Rochelle, N. Y. Making conductive designs. 2,585,700, Feb. 12.

Stright, Benjamin M., assignor to General Railway Signal Company, Rochester, N. Y. Soldering flux. 2,581,820, Jan. 8.

Striker, George O.: *See*—
Kalmus, Henry P., and Striker.

Strinden, Keith I., Litchville, N. Dak. Automotive air vent filter attachment. 2,614,654, Oct. 21.

Stringe, Jack W., Oak Park, Ill. Drawer hook. 2,597,684, May 20.

Stringer, Arthur C., Jackson, Miss. Chance controlled football game board. 2,587,242, Feb. 26.

Stringer, Loren F.: *See*—
Harder, Edwin L., Stringer, Moore, and Greenwood.

Stringfield, Theodore W., Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Condenser charge regulation. 2,588,427, Mar. 11.

Stripling, Leslie D., Bay City, Tex. Friction clutch. 2,609,902, Sept. 9.

Strivens, Maurice A., Bridgwater, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Dielectric and making. 2,586,113, Feb. 19.

Strobel, Albert F.: *See*—
Williams, William W., and Strobel.

Strobel, Albert F., Phillipsburg, N. J., and W. W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Unsymmetrical disazo dyestuffs. 2,584,935, Feb. 5.

Strobel, Charles K., and S. J. Lakota, Pittsburgh, Pa., assignors to Robertshaw-Fulton Controls Company. Safety control and ignition systems for fuel burners. 2,604,153, July 22.

Strobel, Joseph J., Washington, D. C. Surface treatment of molded material. 2,583,024, Jan. 22.

Strock, Donald V.: *See*—
Rodder, William, Strock, and Heym.

Strock, Donald V., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Drawbench. 2,607,474, Aug. 19.

Strodtz, Norman H.: *See*—
Bendix, Gordon H., Henry, and Strodtz.

Strogermayr, Fred, Hoboken, assignor of one-third to F. F. Calabrese and one-third to A. L. De Benedetto, Jersey City, N. J. Fishhook holder. 2,616,208, Nov. 4.

Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Ion exchange resin combination. 2,586,882, Feb. 26.

Stroh, Grace R., Schenectady, assignor to American Cyanamid Company, New York, N. Y. Stable combination of cation-and anion-exchange resins. 2,586,883, Feb. 26.

Stroh, Walter J.: *See*—
Cotsworth, Albert, III, and Stroh.

Strohecker, Henry R., Youngstown, Ohio. Heat-treating rack. 2,586,578, Feb. 19.

Strohm, Edward J., Chicago, Ill. Fishing game. 2,611,617, Sept. 23.

Strohm, Vernon L., and E. R. Kelly, Waukegan, Ill., assignors to United States Steel Company. Bundle compressor. 2,596,797, May 13.

Strojan, Albert, assignee: *See*—
Pálffy, L. Alphonso.

Strollis, Edward A.: *See*—
Bastian, Theron E., Hellaby, and Strollis.
Bastian, Theron E., and Strollis.

Strom, Clifton O.: *See*—
Wenscott, Max B., and Strom.

Strom, Clifton O., assignor, by mesne assignments, to Speed-Meal Corporation, Racine, Wis. Pressure cooker. 2,600,703, June 17.

Strom, Edgar T., Beulah, N. Dak. Barge. 2,617,683, Nov. 11.

Ström, Karl G. H., assignor to Aktiebolaget Alcometaller, Orebro, Sweden. Handle for door locks. 2,621,065, Dec. 9.

Strombeck-Becker Manufacturing Co., assignee: *See*—
Olson, Carl S., and Bergstrand.

Stromberg-Carlson Company, assignee: *See*—
Bascom, Henry M.
Conrad, Matthew.
De Mers, Edward F.
Elliott, George.
Enslein, Kurt.
Erikson, Walter H.
Frankel, Theodore.
Gratian, Joseph W.
Jones, Roy W.
Kessler, Frank.
Kessler, Frank, and Powell.
Krumhansl, James A., and Miller.
Larsen, Merwin J.
MacCheyne, George W.
Meeker, Willard F., and Slaymaker.
Schomaker, George W.
Thompson, Moody C., Jr.
Trousdale, Robert B.
Vincent, Andrew W.
Wharton, Armistead, and Frankel.

Stromquist, Donald M.: *See*—
Reents, August C., and Stromquist.

Strong Appliance Industries, Incorporated, assignee: *See*—
Wibling, Seth E.

Strong, Basil P., assignor to Atwater-Strong Company, Atwater, Ohio. Leaf machine. 2,590,734, Mar. 25.

Strong, Charles E.: *See*—
Earp, Charles W., and Strong.

Strong, Charles L., London, England. Electrode. 2,617,421, Nov. 11.

Strong, Charles L., London, England. Device for generating Faradic currents. 2,623,525, Dec. 30.

Strong Cobb & Company, Inc., assignee: *See*—
Parrine, John J.

Strong Electric Corporation, The, assignee: *See*—
Hatch, Arthur J.

Strong, Henry G., Fayetteville, N. Y. Quotient or product metering and registering instrument. 2,593,628, Apr. 22.

Strong, Herbert M., Schenectady, N. Y., assignor to General Electric Company. Apparatus for making optical wedges. 2,603,133, July 15.

Strong, James R., Crawfordsville, Ind., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for liquid-liquid contacting. 2,623,813, Dec. 30.

Strong, James S.: *See*—
De Benneville, Peter L., and Strong.

Strong, John D., Baltimore, Md. Apparatus for making and mounting perfect screws. 2,621,451, Dec. 16.

Strong Steam Specialty Mfg. Co., assignee: *See*—
Baker, Robert C., and Clark.

Strong, Vernon R.: *See*—
Reynolds, Henry J., and Strong.

Strong, Walter J., Cuyahoga Falls, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y. Apparatus for tumbling rubber articles. 2,600,282, June 10.

Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Valve. 2,599,593, June 10.

Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Valve fitting and siphon tube. 2,602,463, July 8.

Stroop, John H., assignor to The Pad-Y-Wax Company, Inc., New York, N. Y. Packaging machine. 2,608,809, Sept. 2.

Stroschein, Katherine A., Arverne, N. Y. Removable lamp shade having slide fastener securing means. 2,606,280, Aug. 5.

Stross, Fred H.: *See*—
Abrams, Stanley T., and Stross.

Stross, Fred H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricant. 2,584,085, Jan. 29.

Stross, Fred H., Berkeley, assignor to Shell Development Company, Emeryville, Calif. Grease compositions. 2,623,853, Dec. 30.

Stross, Fred H., S. T. Abrams, and R. J. Moore, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of greases. 2,594,822, Apr. 29.

Stroth, Irvine C., Wellston, Ohio. Ball bearing swing hanger. 2,584,757, Feb. 5.

Strother, Fred P., Old Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Control of independently variable characteristics. 2,612,743, Oct. 7.

Strother, Fred P., Riverside, Conn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,620,149, Dec. 2.

Stroukoff, Michael, Lawrenceville, and J. E. Bartfield, Trenton, assignors to Chase Aircraft Company, Inc., West Trenton, N. J. Space vector analyzer. 2,582,080, Jan. 8.

Stroup, Charles L., Oak Park, Ill. Circuit control means. 2,593,214, Apr. 15.

Stroup, Donald H., Cleveland, Ohio. Closure element for air ducts. 2,599,075, June 3.

Strouse, Adler Company, The, assignee: *See*—
Bayer, Anna.

Strouse-Baer Company, The, assignee: *See*—
Ellington, Rudolph E.

Strub, Rene, South Charleston, W. Va. Semiclosed circuit type gas turbine plant having extraction controlled by circuit turbine governor. 2,619,798, Dec. 2.

Struben, Francis L., and J. W. Fyle, Jr., assignors to said Struben and R. A. Albright, Baltimore, Md. Trailer awning. 2,618,820, Nov. 25.

Strubos, William, Detroit, Mich. Dustpan. 2,601,069, June 17.

Strudwick, Arthur E., Long Lake, assignor to Selector, Inc., Minneapolis, Minn. Device for evaluating horses. 2,594,696, Apr. 29.

Strughoid, Peter, Lemay, and J. F. May, St. Louis, Mo. Lubricant stick. 2,589,582, Mar. 18.

Strum, Peter D., Levittown, assignor to Airborne Instruments Laboratory, Incorporated, Mineola, N. Y. Apparatus for testing crystal rectifiers. 2,585,353, Feb. 12.

Strunk, Kenith G., East Orange, assignor to Breeze Corporations, Inc., Newark, N. J. Radio shielded ignition lead terminal with pressure barrier. 2,583,067, Jan. 22.

Struppe, Andrew J., Brooklyn, N. Y., assignor to Delamere Company, Inc., Jersey City, N. J. Barrette. 2,618,278, Nov. 18.

Struthers, Donald K., and G. W. Schroeder, Des Moines, Iowa, assignors to Harry Ferguson, Inc., Detroit, Mich. Tractor hoist. 2,591,662, Apr. 1.

Struthers Wells Corporation, assignee: *See*—
Henc, Louis J.

Strutt, Maximiliaan J. O.: *See*—
Van Hofweegen, Johannes M., and Strutt.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency changing circuit arrangement. 2,582,725, Jan. 15.

Strutt, Maximiliaan J. O., A. Van der Zeil, and K. S. Knol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for producing an oscillatory circuit tuned to an ultrahigh frequency. 2,591,316, Apr. 1.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Photoelectric device for converting variations in light intensity into variations in current. 2,591,977, Apr. 8.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ultrahigh frequency generating tube. 2,597,542, May 20.

Stryker, Charles R.: *See*—
Stamm, Robert F., Mariner, Barnes, and Stryker.

Stryker, Homer H., assignor to Orthopedic Frame Company, Kalamazoo, Mich. Surgical tool for cutting graft skin. 2,582,511, Jan. 15.

Stryker, Norman R.: *See*—
Glaser, Allan, Stryker, and Hopkins.

Stryska, George, Flushing, N. Y. Automatic control for temperature controlling systems. 2,583,397, Jan. 22.

Stuart, Alexander T., deceased, by I. E. Stuart, executrix, Toronto, Ontario, Canada. Reduction of metal oxides by gases. 2,609,288, Sept. 2.

Stuart, Alfred A., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrode assembly. 2,602,910, July 8.

Stuart, Alfred A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Compass compensation. 2,593,070, Apr. 15.

Stuart, Alfred A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Earth induction system. 2,597,135, May 20.

Stuart, Archibald P.: *See*—
Johnson, Herbert L., and Stuart.

Stuart, Arthur H.: *See*—
Onksen, George W., Jr., Stuart, and Dow.

Stuart, Clifton F., Warren, assignor of one-half to G. E. Lane, Youngstown, Ohio. Packing fruit. 2,599,790, June 10.

Stuart Company, The, assignee: *See*—
Hess, Henry S.

Stuart, Frederick E., Baltimore, Md. Flocculating system. 2,596,082, May 6.

Stuart, Homer B., Grosse Pointe, assignor to Advance Products Co., Detroit, Mich. Coin controlled change maker. 2,600,443, June 17.

Stuart, Isobel E., executrix: *See*—
Stuart, Alexander T.

Stuart, Robert B., and R. C. Livoni, Yucaipa, Calif. Multiple shingle and siding casting molds. 2,601,180, June 17.

Stuart, William W., Des Moines, Iowa. Controlling air pressure in buildings. 2,610,565, Sept. 16.

Stubbs, John D.: *See*—
Lupfer, George L., Atkinson, and Stubbs.

Stubbs, Kenneth L., Los Angeles, Calif. High shear blind fastener. 2,609,723, Sept. 9.

Stubbs, Walter W., Irwin, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Lighting fixture with detachable light control panel. 2,587,920, Mar. 4.

Stube, Frederick F., assignor to R. E. Dietz Company, Syracuse, N. Y. Actuating mechanism for direction indicating signal for motor vehicles. 2,600,030, June 10.

Stuber, Walter J., and J. J. Di Ienno, assignors to Carey-McFall Company, Philadelphia, Pa. Venetian blind. 2,614,624, Oct. 21.

Stubnitz-Greene Spring Corporation, assignee: *See*—
Caughey, John M.
Dye, Kenneth R., and Stubnitz.
Page, John W.
Stubnitz, Maurice.

Stubnitz, Maurice: *See*—
Dye, Kenneth R., and Stubnitz.

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Automobile seat spring. 2,609,036, Sept. 2.

Stuck, Harold D., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Jordan engine plug construction. 2,610,554, Sept. 16.

Stuckenholt, Casper S., South Euclid, assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Gas control valve. 2,584,936, Feb. 5.

Stuckenholt, Casper S., South Euclid, assignor to The W. J. Schoenberger Company, Cleveland, Ohio. Floor furnace valve. 2,584,937, Feb. 5.

Stuckey, Lloyd C., Manteca, Calif. Hand cleansing apparatus. 2,616,095, Nov. 4.

Studd, Stanley D.: *See*—
Williams, Wilfred, and Studd.

Studders, Robert J., Schenectady, and D. G. Ebeling, Troy, N. Y., assignors to General Electric Company. Sintered high energy permanent magnets. 2,617,723, Nov. 11.

Studdert, Helena R. K., executrix: *See*—
Studdert, Maurice E. P.

Studdert, Maurice E. P., deceased, Waterford, Eire; H. R. K. Studdert, executrix of said M. E. P. Studdert, assignor to Wray (Cameras) Limited, Bromley, England. Reflex camera with curtain shutter. 2,608,921, Sept. 2.

Studdert, Maurice E. P., deceased, Oldcourt, Waterford, Eire; H. R. K. Studdert, executrix of said M. E. P. Studdert, assignor to Wayne (Cameras) Limited, Bromley, England. Reflex camera with curtain shutter. 2,608,922, Sept. 2.

Studebaker Corporation, The, assignee: *See*—
Churchill, Harold E.
Churchill, Harold E., and Hasbany.
Dingman, Thomas C.
Hezler, Julius, Jr.
Slemmons, Charles O.

Studebaker, John C., Jones, Mich. Wind director. 2,622,503, Dec. 23.

Studeny, John: *See*—
Landes, Chester G., and Studeny.

Studler, Aurele A., Glendale, Calif. Angle computer and work holder. 2,595,424, May 6.

Studnicky, John P., Dearborn, and A. S. Rick, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Carburetor construction. 2,617,656, Nov. 11.

Studt, William C., St. Louis, Mo. Aerial spinning toy. 2,595,374, May 6.

Stuebing, Walter C., Jr., Cincinnati, Ohio. Motorized drive wheel assembly for lift trucks or the like. 2,613,753, Oct. 14.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ohio. Multispeed and multistroke fluid pressure apparatus. 2,582,512, Jan. 15.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Coordinated clutch and brake control for vehicle driving mechanism. 2,596,053, May 6.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Tractor mounted sweep rake. 2,598,944, June 3.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Bucket or shovel construction for loaders. 2,612,280, Sept. 30.

Stueland, Lafe, Alameda, Calif. Lamp replacer for push-pull fixtures. 2,589,642, Mar. 18.

Stueland, Lafe, Alameda, Calif. Resetting attachment for fluorescent lamp starters. 2,612,578, Sept. 30.

Stuellein, William H.: *See*—
Ludwig, Leon R., Stuellein, and Gamel.

Stuetzer, Otmar M., Dayton, Ohio. Making microspacers. 2,608,722, Sept. 2.

Stuetzer, Otmar M., Dayton, Ohio. Transconductor employing field controlled semiconductor. 2,612,567, Sept. 30.

Stuetzer, Otmar M., Dayton, Ohio. Transconductor employing line type field controlled semiconductor. 2,618,690, Nov. 18.

Stuewe, Clarence C., assignor to The Greif Bros. Cooperage Corporation, Cleveland, Ohio. Barrel hoop. 2,583,190, Jan. 22.

Stuffer, Rowen S., East Riverton, N. J., assignor, by mesne assignments, to C. Litzenberg, Philadelphia, Pa. Electrostripping electrodeposited metals. 2,596,307, May 13.

Stufft, John W., McKeesport, Pa., assignor to United States Steel Corporation. Closure and seal therefor. 2,612,286, Sept. 30.

Stuhr, Earl J., Maple Lake, Minn. Ditch digging attachment for tractors. 2,622,749, Dec. 23.

Stults, J. G.: *See*—
Stults, Johnny G. W.

Stults, Johnny G. W., deceased, also known as J. G. Stults, Austin, Tex; W. W. Patterson, administrator. Cane tip. 2,590,052, Mar. 18.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Printing device for use in connection with business machines. 2,586,737, Feb. 19.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Wiper holder for perforator-card machines. 2,615,627, Oct. 28.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Retracting mechanism for printing elements of business machines. 2,619,900, Dec. 2.

Stukas, Earl M., Clinton, Iowa. Firearm magazine. 2,620,582, Dec. 9.

Stukenborg, Louis C., Memphis, Tenn., and H. V. Utterback, Osyka, Miss. Turnbuckle lock. 2,580,482, Jan. 1.

Stukenborg, Louis C., Memphis, Tenn. Window guard. 2,620,526, Dec. 9.

Stukes, Horace A., San Antonio, Tex. Releasable window sash locking device. 2,617,646, Nov. 11.

Stuk-O-Rite, Inc., assignee: *See*—
Hale, Loren.

Stulen, Walter H., Caldwell, M. Klein, Hathorne, and E. L. Tichenor, Montclair, N. J., assignors to Curtiss-Wright Corporation. Blade edge welding technique. 2,615,236, Oct. 28.

Stuller, Earl A., Dixon, Ill., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Chain tightener. 2,615,217, Oct. 28.

Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Handle mounting means. 2,621,357, Dec. 16.

Stumbock, Max J., South Orange, assignor to Baker & Co., Inc., Newark, N. J. Manufacturing alkaline storage batteries. 2,602,826, July 8.

Stump, Eugen, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. System for adjusting the fuel supply in internal-combustion engines. 2,622,575, Dec. 23.

Stump, William L.: *See*—
Zettlemoyer, Albert C., Walker and Stump.

Stupin, Peter J., Montebello, and L. Adams, Maywood, assignors to Calavo, Inc., Los Angeles, Calif. Hydrating dates. 2,591,213, Apr. 1.

Sturdevant, Mortimer B.: *See*—
Fischer, Paul E., and Sturdevant.

Sturdi-Bilt Steel Products, Inc., assignee: *See*—
Franks, Norvin H.

Sturgeon, Reginald, and E. Seddon, assignors to The United Glass Bottle Manufacturers Limited, London, England. Purification of minerals. 2,592,973, Apr. 15.

Sturges, Thomas L., New York County, N. Y. Remote control system. 2,622,134, Dec. 16.

Sturgess, George A., Esperance, N. Y., assignor to General Electric Company. Bucket attachment for turbine wheels. 2,605,996, Aug. 5.

Sturgess, Inc., assignee: *See*—
Cushman, Clifford E.

Sturgis, Charles E., Rochester, N. Y. Abrading brush. 2,599,076, June 3.

Sturgis, Charles E., Rochester, N. Y. Rotary tool for scraping tube interiors. 2,599,077, June 3.

Sturgis, Henry F.: *See*—
Niles, Joseph A., Simpson, Sturgis, Vincent, and Ziemer.

Sturgis Posture Chair Company, assignee: *See*—
Van Buren, Tracy H.

Sturgis, Robert P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Pallet hoist attachment. 2,588,330, Mar. 4.

Sturken, Robert C., New Brunswick, N. J., assignor to Frank W. Egan & Company. Extrusion coating machine. 2,607,712, Aug. 19.

Sturm, Frederick W.: *See*—
Jauch, Robert J., Hinds, and Sturm.

Sturm, Robert H., Enfield, England. Printing on thermoplastics. 2,622,991, Dec. 23.

Sturm, Ruger and Company, Inc., assignee: *See*—
Ruger, William B.

Sturner, John, assignee: *See*—
Siskoff, Alexander F.

Sturrock, Francis C.: *See*—
Damon, Robert H., Forester, and Sturrock.

Sturtevant, Bernard J.: *See*—
Sturtevant, Richard L., B. J., and R. L.

Sturtevant, Richard L., Jr.: *See*—
Sturtevant, Richard L., B. J., and R. L.

Sturtevant, Richard L. and B. J., Heath Common, Storrington, and R. L. Sturtevant, Jr., Findon Valley, Worthing, England. Hand operated machine for molding blocks or bricks. 2,586,184, Feb. 19.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,584,758, Feb. 5.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Cold cathode discharge device. 2,591,474, Apr. 1.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,605,438, July 29.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Grid-controlled gaseous discharge device. 2,617,958, Nov. 11.

Stutt, James D., Paradise, Tex. Automobile rear door latch. 2,612,397, Sept. 30.

Stutzke, Robert E.: *See*—
Preising, William J., and Stutzke.

Stutzman, Milo J.: *See*—
Hancox, Robert R., Tuer, and Stutzman.

Stutzman, Warren S., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Float operated control. 2,588,667, Mar. 11.

Stuvel, Bernard D., Indianapolis, Ind. Flush ball control tank. 2,585,513, Feb. 12.

Stuwe, Henry, Westbrook, Minn. Flywheel rotating device. 2,586,185, Feb. 19.

Stuxberg, Anton: *See*—
McMillen, Drury A., and Stuxberg.

Stuyvesant Engineering Company, assignee: *See*—
Fenno, Joseph E.

Sty-Jar Products, Inc., assignee: *See*—
Supiro, Lester D.

Style Undies, Inc., assignee: *See*—
Tolkin, Irving N.

Styles, Wilbur V., and E. A. Palo, Colstrip, Mont. Blast hole loading machine. 2,617,542, Nov. 11.

Styles, William C., Steppville, Ala. Line-attached clothespin. 2,603,846, July 22.

Suarez, John H., Brooklyn, N. Y. Sink pad. 2,596,735, May 13.

Suben, Morten, assignor to Lens-Block Corporation, New York, N. Y. Lens block. 2,597,543, May 20.

Suber, Louis J., Vallejo, Calif. Adjustable toolholder for latches. 2,581,980, Jan. 8.

Subkow, Philip, assignee: *See*—
Robbins, Albert A.

Sublett, Lester G., New Albany, Ind., assignor to Signal Scale and Manufacturing Company, Inc., Louisville, Ky. Automatic weigher. 2,587,787, Mar. 4.

Submerged Combustion Company of America, Inc., assignee: *See*—
See, Walter G.

Sucha, Joseph: *See*—
Friedrich, Robert E., and Sucha.

Suckley, Allison G., Wauseon, Ohio. Bobby pin placement. 2,580,972, Jan. 1.

Suda, Charles R., Minneapolis, Minn. Pivoted bucket closure. 2,613,843, Oct. 14.

Sudan, Eugene: *See*—
Wright, John G., Chafin, Sudan, Watkins, and Hanson.

Sudman, Israel H.: *See*—
Longmire, Conrad L., and Sudman.

Sudmeier, Gus, Torrance, Calif. Water or vapor injector for internal-combustion engines. 2,611,345, Sept. 23.

Südwerke G. m. b. H., assignee: *See*—
Haase, Kurt.
Haase, Kurt, and Ostwald.

Suel, Charles A., New York, and V. Axelrad, Forest Hills, N. Y. Umbrella. 2,604,898, July 29.

Suellentrop, Fred F.: *See*—
Pfeiffer, Norman J., and Suellentrop.

Suellentrop, Fred F., assignor to Lemay Machine Company, Lemay, Mo. Apparatus for manufacturing whipped cream. 2,584,063, Jan. 29.

Suen, Tzeng J., and A. M. Schiller, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Composition comprising a thermosetting resin and a dihydroxy alkane containing 6–10 carbon atoms. 2,615,003, Oct. 21.

Suessman, Ernest H., East Hartford, assignor to C. J. Bates & Son, Chester, Conn. Removable and replaceable handle for crochet needles. 2,608,077, Aug. 26.

Sueur, René, Paris, France. Pulse signaling means. 2,580,973, Jan. 1.

Sugar Creek Creamery Company, assignee: *See*—
Long, Henry F., and Erickson.

Sugarman, Benjamin, assignee: *See*—
Nineberg, Edward.

Sugden, Arnold R., Brighouse, England. Moving-coil sound recording head. 2,606,254, Aug. 5.

Sugerman, Bernard E., Gladstone, N. J., and J. L. Been, Brooklyn, N. Y., assignors to Rubber and Asbestos Corp., Jersey City, N. J. Making brushes. 2,604,362, July 22.

Suggate, Harold G.: *See*—
Kendall, John D., and Suggate.

Suggs, Thomas F., assignor to Cocker Machine & Foundry Company, Gastonia, N. C. Yarn tensioning device. 2,615,654, Oct. 28.

Sugimoto, Roy: *See*—
Hinkamp, James B., and Sugimoto.
Hinkamp, James B., Sugimoto, and Dittmar.

Suglian, Vinko V., assignee: *See*—
Kadesky, David.

Suhadolnik, Lawrence A., Shaker Heights, and H. G. Sanger, Euclid, Ohio. Two-cycle crankcase compression engine. 2,607,329, Aug. 19.

Suhr, Herman W., assignor to Acme Sheet Metal Works, Milwaukee, Wis. Electric heater. 2,623,154, Dec. 23.

Suinat, Pierre, Enghien, France, assignor to Chanel, Inc., New York, N. Y. Case for lipstick and the like. 2,600,811, June 17.

Suite, Chester C., Hartford City, Ind. Shell holder for single shot rifles. 2,587,921, Mar. 4.

Sukacev, Lev: *See*—
Rivoche, Eugene J., and Sukacev.

Sukacev, Lev, Chevy Chase, Md., assignor to himself and V. Sukacev, Washington, D. C. Self-heating container. 2,615,443, Oct. 28.

Sukacev, Lev, Washington, D. C. Self-heating container. 2,623,515, Dec. 30.

Sukacev, Varvara, assignee: *See*—
Sukacev, Lev.

Sulby Engineering Development Company Limited, assignee: *See*—
Surridge, Charles A.

Sulcek, Charles E., Evansville, Ind., assignor to International Harvester Company. Breaker strip construction. 2,587,922, Mar. 4.

Sulfrian, Gerard F., Chatham, N. J. Suspension liquid gas container. 2,592,974, Apr. 15.

Sulger, Adolf, Kilchberg, Switzerland. Drilling device. 2,587,923, Mar. 4.

Sulger, Adolf, Kilchberg, Switzerland. Angle measuring instrument. 2,601,643, June 24.

Sulik, Mauricio: *See*—
Krasilansky, Natallo, Sulik, Eliscovich, and Levy.

Sulkowski, Stanley, Jr., Brooklyn, N. Y. Convertible top for automobiles. 2,593,360, Apr. 15.

Sullenberger, Burton E.: *See*—
Meeker, David A., Fox, and Sullenberger.

Sullenger, Henry E., Phillips, Tex., assignor to Phillips Petroleum Company. Distilling hydrocarbons. 2,588,305, Mar. 4.

Sullinger, Francis E., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Timber setting machine. 2,591,475, Apr. 1.

Sullivan Bros., assignee: *See*—
Luppold, George W.

Sullivan, Charles D., Portland, Oreg. Holder for cut film. 2,617,699, Nov. 11.

Sullivan, Cornelius J., Somerville, and H. R. Fisher, Metuchen, N. J., assignors to Air Reduction Company, Incorporated. Cutting steel having a high chromium content. 2,583,068, Jan. 22.

Sullivan, Donal E.: *See*—
Armstrong, John H., and Sullivan.

Sullivan, Edward B., Cincinnati, Ohio. Sheet dividing and compiling machinery. 2,613,929, Oct. 14.

Sullivan, Edward J., Des Moines, Iowa. Illuminating the dial of a manually set automatic transmission. 2,593,810, Apr. 22.

Sullivan, Emmet J., and A. B. Snyder, assignors, by mesne assignments, to Owens Brush Company, Toledo, Ohio. Hair brushing and massaging implement. 2,607,064, Aug. 19.

Sullivan, Francis J.: *See*—
Korolyshun, Russell T., and Sullivan.

Sullivan, Frederick W., Jr., Summit, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Synthesis of hydrocarbons in the presence of a solid adsorbent. 2,583,611, Jan. 29.

Sullivan, Frederick W., Jr., Summit, N. J. Oxygenation of olefins. 2,600,444, June 17.

Sullivan, James F., Camden, N. J. Bait for rodent traps. 2,595,019, Apr. 29.

Sullivan, James F., Jamaica, assignor to Universal Aviation Corporation, New York, N. Y. Making transilluminated plates. 2,602,036, July 1.

Sullivan, John Q.: *See*—
Sullivan, William Q. and J. Q.

Sullivan, Norman M., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Conveyer traffic control mechanism. 2,617,516, Nov. 11.

Sullivan, Thomas E.: *See*—
Nelly, Henry M., Jr., and Sullivan.

Sullivan, William, Bishop Park, Toowoomba, Australia. Adapter for use when filling the tubes of vehicle tires with liquid. 2,592,759, Apr. 15.

Sullivan, William E., Springfield, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Side frame construction for power lawn mowers. 2,586,738, Feb. 19.

Sullivan, William Q., North Hollywood, and J. Q. Sullivan, Ocean Park, Calif. Arc forming flexible ruler. 2,615,257, Oct. 28.

Sullivan, William R., and P. J. Cleary, assignors to Armour and Company, Chicago, Ill. Protective covering of mutilations in beef carcasses. 2,582,296, Jan. 15.

Sulphide Ore Process Company, Inc., assignee: *See*—
Konrad, Erich H., and Eustis.
Konrad, Erich H., and Kaye.

Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.

Sulprizio, Lucello, Castro Valley, Calif., assignor to United Engine & Machine Co. Manufacture of pistons. 2,620,530, Dec. 9.

Sultzaberger, James A.: *See*—
Rawlins, Albert L., and Sultzaberger.

Sultzer, Norman W., Scotch Plains, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,614,652, Oct. 21.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Aue, Georg.
Deringer, Hans.
Kilchenmann, Walter.
Minder, Otto.
Moessinger, Albert.
Pfarrwaller, Erwin.
Schaer, Franz.
Traupel, Walter.

Sumerford, Simpson D.: *See*—
Owen, John J., and Sumerford.

Summerbell, Edith M., executrix: *See*—
Summerbell, William.

Summerbell, William, deceased, Washington, D. C.; E. M. Summerbell, executrix. Breech block and firing mechanism therein. 2,580,483, Jan. 1.

Summerbell, William, deceased, Washington, D. C.; E. M. Summerbell, executrix of said W. Summerbell. Recoil-controlled ammunition feeding means for guns. 2,588,429, Mar. 11.

Summerhayes, Harry R., Jr., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric crystal frequency discriminator. 2,594,091, Apr. 22.

Summerhays, William A., Chicago, Ill., assignor to Conley Frog and Switch Co., Memphis, Tenn. Rail joint for locomotive turntables. 2,593,215, Apr. 15.

Summerhill, Lena B., Dallas, Tex. Filter mat for evaporative coolers. 2,604,311, July 22.

Summers, Arthur R.: *See*—
McDaniel, Eskel J., and Summers.

Summers, Caleb E., Orchard Lake, Mich. Fuel pump cylinder and piston. 2,583,974, Jan. 29.

Summers, Erwin R., Scotia, N. Y., assignor to General Electric Company. Starting arrangement for dynamoelectric machines. 2,620,461, Dec. 2.

Summers, Hugh B., Jr.: *See*—
Goldblatt, Leo A., McConnell, and Summers.

Summers, Orran B., assignor to Jet Shaft Seals, Inc., Phoenix, Ariz. Sealing device for shafts. 2,584,513, Feb. 5.

Summers, Otto M., Abington, assignor to Linear, Inc., Philadelphia, Pa. Gas seal. 2,586,739, Feb. 19.

Summers, Theodore, Hemlo, assignor to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Cable clamp. 2,608,731, Sept. 2.

Summers, William J., assignor, by mesne assignments, to Royal Patent Corporation, Chicago, Ill. Coin-actuated control switch. 2,599,953, June 10.

Summitt, Joseph D., Sr., Durant, Okla. Artificial bait. 2,619,762, Dec. 2.

Sumner, Ardie H., deceased, Jackson, Mich.; B. V. Sumner, administratrix. Boatloading device for automobile tops. 2,600,082, June 10.

Sumner, Birdie V., administratrix: *See*—
Sumner, Ardie H.

Sumner, James D., Woolton, Liverpool, G. H. Goulding, Birmingham, and R. E. Golding, Stechford, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Apparatus for automatically cutting predetermined lengths of tubular or rodlike material. 2,620,032, Dec. 2.

Sumner, James E., Fries, Va. Stop motion device for ring spinning frames. 2,618,115, Nov. 18.

Sun Chemical Corporation, assignee: *See*—
Brigham, Ward E., Jr.
Cutler, Clarence G.
Fish, John J.
Gegenheimer, Harold W., and Siebke.
Goldstein, Herman B., and Clary.
May, Merrill R.
Pantin, John, and MacQuaker.
Zerner, Ernst, Gradsten, and West.
Zerner, Ernst, and Pollock.

Sun, Kuan-Han, Pittsburgh, Pa., and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Neutron-absorbing borate glass. 2,582,081, Jan. 8.

Sun Oil Company, assignee: *See*—
Banks, Daniel B.
Barnes, William E.
Barton, Paul D.
Bartow, Lewis F.
Bergman, Wayne K.
Chaney, Preston E., and Barnes.
Dougherty, Patrick F.
Dougherty, Patrick F., and Brooks.
Gardner, Donald H.
Grace, Edward J., Jr.
Harper, James I., Shuman, and Peters.
Hetzel, Stanford J.
Hill, Joseph B., and Ferris.
Hirschler, Alfred E.
Honeycutt, Earl M.
Janoski, Edward J.
Johnson, Herbert L., and Bondhus.
Johnson, Herbert L., and Stuart.
Leutz, Koerner E.
Long, Alfred B.
Ockert, Carl E.
Olsen, John L.
Pearson, John M.
Quist, Harold A.

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Sun Oil Company, assignee: *See*—Continued.
Say, Theodore, and McKinney.
Weiss, Eric A.
White, Chester N.
Winterhalter, Alfred C.
Yetter, Edward W.
Young, Einar T.

Sun Rubber Company, The, assignee: *See*—
Fenton, Frank.
Rekettye, Paul.

Sun Shipbuilding & Dry Dock Company, assignee: *See*—
Bittel, Martin G.

Sun Tool & Machine Company, The, assignee: *See*—
Reaser, William A., Zlems, and Christman.

Sunbeam Corporation, assignee: *See*—
Anderson, Hjalmar A.
Jepson, Ivar.
Jepson, Ivar, and Kocl.
Kocl, Ludvik J.
Loomer, Morris W.
Storm, Herbert F.
Viecell, Joseph L.
Wallerius, John.

Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Automatic lock slider for slide fasteners. 2,588,893, Mar. 11.

Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Automatically locking zipper. 2,599,078, June 3.

Sundberg, Carl W.: *See*—
Wesley, Robert O., and Sundberg.

Sundberg, Carl W., Birmingham, and M. Ferar, Huntington Woods, Mich. Combination lunch kit and handbag. 2,615,563, Oct. 28.

Sundberg, Gustave L., Muskegon, Mich., and C. A. Marlen, St. Louis, Mo., assignors to Ramsey Corporation, Wilmington, Del. Piston ring gapping machine. 2,583,612, Jan. 29.

Sunderhauf, Frederick A., Summit, N. J. Treating selvage edges of textile sheet material. 2,591,385, Apr. 1.

Sunderland, Charles E., Mobile, Ala. Automatic emergency keyer unit. 2,620,390, Dec. 2.

Sundgren-Wallden, Ruth S. M.: *See*—
Kalling, Bo M. S., Sundgren-Wallden, Wallden, and Sivander.

Sundheim, Peter J., Buffalo, N. Y. Sander for automotive vehicles. 2,587,072, Feb. 26.

Sundholm, Edwin P., assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa. Base for supporting and puncturing a fluid container and means to withdraw the fluid from said container. 2,584,167, Feb. 5.

Sundholm, Edwin P., assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa. Grease gun. 2,596,447, May 13.

Sundlen, Gunnar O., Copenhagen, Denmark. Neutralizing sulphonic products. 2,622,090, Dec. 16.

Sundman, Frey V.: *See*—
Sevón, Johan W., and Sundman.

Sundstrand, Carl A., Rockford, Ill. Longnose pliers. 2,600,445, June 17.

Sundstrand, Carl A., Rockford, Ill. Sportsman's nipper. 2,618,058, Nov. 18.

Sundstrand Machine Tool Co., assignee: *See*—
Carlson, Floyd E.
Stoyke, Ludwig T.
Swanson, Fred R., W. S., and Wiley.
Wahlmark, Gunnar A.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Interlock between control members and register analyzing mechanism in typewriter-computers. 2,595,020, Apr. 29.

Sundstrand, Oscar J., West Hartford, Conn. Clipper. 2,618,851, Nov. 25.

Sundstrom, Carl, Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Emergency valve control. 2,591,889, Apr. 8.

Sundstrom, Carl, Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Process and apparatus for promptly detecting chlorine gas leaks from chlorine containers. 2,606,101, Aug. 5.

Sundstrom, Roy N., assignor to Corning Glass Works, Corning, N. Y. Glass feeder. 2,593,499, Apr. 22.

Sundt, Edward V., Chicago, Ill. Acceleration responsive device, including means for indicating speed and/or distance. 2,622,865, Dec. 23.

Sundt, Vigo von Krogh, assignor to Gisholt Machine Company, Madison, Wis. Mounting lathe turrets. 2,616,162, Nov. 4.

Sunila Osakeyhtio, assignee: *See*—
Tarkkonen, Oma.

Sunkist Growers, Inc., assignee: *See*—
Stevens, Jesse W., and Pritchett.
Wilson, Clarence W.

Sunroc Refrigeration Company, assignee: *See*—
Morrison, Samuel O.
Morrison, Samuel O., and Wehrwein.

Sunstein, David E.: *See*—
Mankin, Arthur H., and Sunstein.

Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Moving target indication. 2,621,243, Dec. 9.

Sunstein, David E., Cynwyd, Pa., and A. H. Mankin, North Merrick, N. Y., assignors to Philco Corporation, Philadelphia, Pa. Object motion indicating system. 2,593,071, Apr. 15.

Suozzo, John, North Arlington, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispatcher-controlled elevator system. 2,591,978, Apr. 8.

Super Electric Products Corp., assignee: *See*—
Daniels, Harry.

Super Mold Corporation of California, assignee: *See*—
Duerksen, Arnold.
Glynn, Edwin A.

Super Tool Company, assignee: *See*—
Steffes, Milton J.

Superba Cravats, Inc., assignee: *See*—
Hertz, Helmut.

Superba Manufacturing Co., Inc., assignee: *See*—
Katz, Julius, and Majoros.

Super-Cut, Inc., assignee: *See*—
Fantozzi, Vincent J., and Metzger.
Lanius, Ralph.

Superior Plastics, Inc., assignee: *See*—
Baker, Bill P.

Superior Pneumatic & Manufacturing, Inc., assignee: *See*—
Terry, Jack E.

Superior Steel Corporation, assignee: *See*—
Klentz, Joseph C., Jr.

Superior Steel Products Corp., assignee: *See*—
Janiszewski, Kasimir.

Superior Sugar Extraction, Inc., assignee: *See*—
Hildebrandt, Karl W.
Langen, Eugen.

Superior Switchboard & Devices Company, The, assignee: *See*—
Espenschied, Wilbur L.
Lajeunesse, Victor J., Rutledge, and Trier.
Morgan, Thomas J., and Moore.

Superior Tube Company, assignee: *See*—
Briggs, Thomas H., Jr.
Nase, Benjamin M.
Reed, Price L.

Superior Valve Manufacturing Company, assignee: *See*—
Du Charme, William S.

Supermatic Products Corporation, assignee: *See*—
Rose, Arnold L.

Supersite Corporation, assignee: *See*—
Reed, Daniel E.

Super Speed Printing Machinery, Inc., assignee: *See*—
Adrian, Joseph.

Super Tension Cables Limited, assignee: *See*—
Holmes, Edward P.

Super Z Manufacturing Co., assignee: *See*—
Feierabend, Louis B.

Supiro, Lester D., Asbury Park, N. Y. Production of copper powder having an average particle size of two microns. 2,585,185, Feb. 12.

Supiro, Lester D., Asbury Park, assignor to Sty-Jar Products, Inc., Newark, N. J. Production of cuprous oxide and copper chlorides. 2,586,579, Feb. 19.

Supitilov, Michael C.: *See*—
Larson, Robert H., and Supitilov.

Suprowich, Wasyl S., Gardenton, Manitoba, Canada. Comb. 2,597,200, May 20.

Surber, Otis B., Los Angeles, Calif. Fishing reel. 2,610,002. Sept. 9.

Surface Combustion Corporation, assignee: *See*—
Cone, Carroll.
Kamm, Clarence W., and Slaco.
Nesbitt, John D., and Schramm.
Peters, Arthur W.
Weaver, Ernest W.
Weinandy, Leo M.

Surfus, Kenneth L.: *See*—
Delsman, Quirin C., and Surfus.

Surgident, Ltd., assignee: *See*—
Meyer, Herbert G.

Surino, Alphonse: *See*—
Kehoe, Richard D., Surino, and Goodwin.

Surmatis, Joseph D., Pompton Plains, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Making pentaenes. 2,610,208, Sept. 9.

Surprenant Mfg. Co., assignee: *See*—
Donnan, Robert A.
Forsberg, George E.

Surrey, Alexander R., Albany, and R. A. Cutler, Troy, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Tertiary-amino-2-aryl-2-(4-quinolyl)alkanamides and their preparation. 2,608,558, Aug. 26.

Surrey, Alexander R., Albany, and R. A. Cutler, Troy, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Tertiary-amino-1-aryl-1-(4-quinolyl)alkanes and preparation thereof. 2,608,559, Aug. 26.

Surridge, Charles A., Herne Hill, assignor to The Sulby Engineering Development Company Limited, London, England. Gumming and pasting machine. 2,599,666, June 10.

Suska, Charles R., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Diaphragm valve. 2,590,498, June 3.

Suska, Charles R., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Valve seat. 2,623,726, Dec. 30.

Sussenbach, Paul, St. Louis, and C. J. Young, Florissant, assignors to The Pressitite Engineering Company, St. Louis, Mo. Closure for flexible tubing. 2,601,568, June 24.

Sussex Laundry Limited, assignee: *See*—
Newman, Charles E. W.

Sussex Poultry Company, Inc., assignee: *See*—
Cosden, Gilbert C.

Sussin, Max H., assignor to R. R. Robertson Company, Chicago, Ill. Automatic diaphragm control system. 2,593,216, Apr. 15.

Sussman, Arthur, New York, N. Y. Steam pressing iron. 2,597,763, May 20.

Sussman, Leon, New York, N. Y. Protective covering for cushions, mattresses, and the like. 2,612,646, Oct. 7.

Sussman, Philip A., assignee: *See*—
Miller, Joseph J.

Sutch, George T., assignee: *See*—
Erfurth, Herman C.

Sutcliffe, Speakman & Company Limited, assignee: *See*—
Edwards, William E.
Howard, Fred.

Suter, Chester M.: *See*—
Archer, Sydney, and Suter.
Archer, Sydney, Suter, and Tullar.

Suter, Chester M., Albany, assignor to Sterling Drug Inc., New York, N. Y. Aqueous solution of riboflavin. 2,601,569, June 24.

Suter, Heinrich, assignor to H. W. Egli A. G., Zurich, Switzerland. Zeroizing mechanism in calculating machines. 2,614,753, Oct. 21.

Suter, Oswald, assignor to Technical Oil Tool Corporation, Ltd., Los Angeles, Calif. Tool guide. 2,606,793, Aug. 12.

Sutera, Charles, Maspeth, N. Y. Self-balancing cabinet. 2,592,760, Apr. 15.

Suthard, James G., Long Beach, Calif., assignor to Petrolite Corporation. Process and apparatus for control of reagents. 2,607,718, Aug. 19.

Sutheim, George M., Jamaica, assignor to Audio Devices, Inc., New York, N. Y. Instantaneous recording phonographic disks. 2,607,699, Aug. 19.

Sutherland, Charles, assignee: *See*—
Kochendoerffer, Herman.

Sutherland, Clark: *See*—
Simpson, Joseph A., and Sutherland.

Sutherland, Daniel M., Morrisville, Pa., assignor to L. M. and D. G. Sutherland, trustees. Making paper pulps. 2,591,106, Apr. 1.

Sutherland, Douglas G., trustee, assignee: *See*—
Sutherland, Daniel M.

Sutherland, Elizabeth F.: *See*—
Bramhall, Caryl C., and Sutherland.

Sutherland, Frederick F., Cumberland, Md., assignor to Celanese Corporation of America. Reciprocating reed for loom lay. 2,587,009, Feb. 26.

Sutherland, Frederick F., and A. B. Storey, Cumberland, Md., assignors to Celanese Corporation of America. Transport lift. 2,609,954, Sept. 9.

Sutherland, Lionel M., trustee, assignee: *See*—
Sutherland, Daniel M.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.
Houtman, Harold R.
Willbrandt, Franklin M.

Sutherland, William M.: *See*—
Love, John, and Sutherland.

Suthers, Harold F., Ridgefield Park, assignor to Mundet Cork Corporation, North Bergen, N. J. Feeding apparatus. 2,601,570, June 24.

Sutker, Philip G.: *See*—
Raine, Russell W., and Sutker.

Sutliffe, Frank C., Mill Valley, Calif. Adhesive pickup device. 2,610,882, Sept. 16.

Sutowski, Walter S., Garfield Heights, Ohio, assignor to Freeway Washer and Stamping Company. Ejecting mechanism. 2,584,168, Feb. 5.

Sutphin, Cecil A.: *See*—
Ward, Juanita M., and Sutphin.

Sutter, Paul: *See*—
Kern, Walter, Sutter, and Holbor.

Sutter, Paul, Binningen, and W. Kern, Rutscheten, assignors to Ciba Limited, Basel, Switzerland. Acylaminochloranthraquinone thianthrene vat dyestuffs. 2,583,448, Jan. 22.

Sutter, Paul, Binningen, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Quinazoline derivative vat dyestuffs. 2,583,520, Jan. 22.

Sutter, Roser B., Moscow, Pa. Smoking pipe. 2,580,974, Jan. 1.

Sutterfield, Noel H., Milwaukee, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burner. 2,612,217, Sept. 30.

Sutton, Agnes W., Blair, Nebr. Clothes hanger holder. 2,604,999, July 29.

Sutton, Alton C., Rochelle, Ill. Asparagus picker. 2,610,397, Sept. 16.

Sutton, Donald E., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Sound silencing means for circular saws. 2,583,238, Jan. 22.

Sutton, Frank, assignor to Saunders Valve Company Limited, Cwmbran, Newport, England. Automatic stop and vent valve. 2,610,819, Sept. 16.

Sutton, George D., Marple, England. Dyeing fabrics containing cellulose acetate fibers with a vat dye in reduced alkaline state and 30 to 80% of a liquid swelling agent. 2,622,958, Dec. 23.

Sutton, James C., Lyman, S. C. Selvage opening means. 2,581,821, Jan. 8.

Sutton, Jay E., Detroit, Mich. Wheeled table for transferring invalids. 2,610,330, Sept. 16.

Sutton, John C. and W. V., assignors to Housewares, Inc., Rockford, Ill. Baby weighing scale. 2,611,604, Sept. 23.

Sutton, Kenneth E., Greenwood, R. I. Two-section foldable game table. 2,595,725, May 6.

Sutton, Max C., Pontiac, Mich. Building and shaping plastic products without molds. 2,596,184, May 13.

Sutton, O. A., Corporation, Inc., The, assignee: *See*—
Sutton, Ottis A.

Sutton, Otis B.: *See*—
Coons, Curtis C., and Sutton.
Humphrey, Warren A., and Sutton.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Toaster timing mechanism. 2,585,514, Feb. 12.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Detachable light housing for suction cleaner. 2,604,578, July 22.

Sutton, Otis B., Canton, and H. W. Wilson, assignors to The Hoover Company, North Canton, Ohio. Snap switch. 2,614,186, Oct. 14.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Table top circulator. 2,593,217, Apr. 15.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Flexible coupling for fan mountings. 2,599,730, June 10.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Fan for humidifying, deodorizing, or the like. 2,603,468, July 15.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Electric motor support. 2,607,819, Aug. 19.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Ventilating unit. 2,617,348, Nov. 11.

Sutton, Ralph E., and W. E. Trask, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for lasting, sewing and trimming shoes. 2,615,185, Oct. 28.

Sutton, Richard, Foulridge, England. Pirn winding machine. 2,607,543, Aug. 19.

Sutton, Robert W., Beulah, and L. St. Cyr, Benzonia, Mich.; said Sutton assignor to said St. Cyr. Bracing. 2,617,154, Nov. 11.

Sutton, William V.: *See*—
Sutton, John C. and W. V.

Sutz, Roy, Chicago, Ill. Transparent flexible Venetian blind enclosure. 2,600,083, June 10.

Suverkrop, Lew, Bakersfield, Calif. Plumb bob. 2,594,823, Apr. 29.

Suwa, Ignaz: *See*—
Rubens, Harry S., and Suwa.

Suydam, Bergen R., Chicago Heights, Ill., assignor of one-half to R. Korn, Alplaus, N. Y. Clothes hanger. 2,617,565, Nov. 11.

Suzukawa, Hiroshi, Suginami-ku, assignor to Canon Camera Company, Ltd., Chuouku, Tokyo, Japan. Camera holder. 2,589,892, Mar. 18.

Svarz, Jerry J.: *See*—
Kaiser, Emil, Andersen, and Svarz.
Kaiser, Emil, and Svarz.

Svendsgaard, Lars, Berkeley, Calif. Coffee urn. 2,592,761, Apr. 15.

Svensjö, Nils E., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal bowl for separating sludge from liquids. 2,590,735, Mar. 25.

Svensjo, Nils E., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Self-aligning vertical shaft. 2,606,082, Aug. 5.

Svenska Ackumulator Aktiebolaget Jungner, assignee: *See*—
Kullgren, Bjarne C. J.
Österman, Edvin M.

Svenska Aeroplan Aktiebolaget, assignee: *See*—
Wilkenson, Erik A., and Faxen.

Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Aversten, Karl J.
Granquist, Carl-Erik.
Stannow, Jörgen C.

Svenska Aktiebolaget Tell, assignee: *See*—
Argården, Carl G.

Svenska Lasmutter Aktiebolaget, assignee: *See*—
Meyer, Sven F. E.

Svenska Maskinaktiebolaget Greiff: *See*—
Axelson, Eskil A. A., and Löfgren.

Svenska Rotor Maskiner Aktiebolag, assignee: *See*—
Åhlén, Karl G., and Ödman.

Svenska Turbinfabriks Aktiebolaget Ljungstrom, assignee: *See*—
Brandin, Tore.
Lundberg, Bo K. O.
Nicolin, Curt, Wiberg, and Östmar.
Östmar, Frans E. O.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Rotary blade pump. 2,588,430, Mar. 11.

Svenson, Ernest J., Rockford, Ill. Liquid dispensing apparatus. 2,619,911, Dec. 2.

Svensson, Fritz A.: *See*—
Wennerbo, Erik, and Svensson.

Svensson, Karl J., Sundbyberg, Sweden. Mechanical lead pencil. 2,587,786, Mar. 4.

Svensson, Sven H., Alingsas, Sweden. Instructional device for calculating. 2,600,084, June 10.

Sverkerson, William C., Robbinsdale, assignor of one-half to R. Petefish, Minneapolis, Minn. Glass stand. 2,601,571, June 24.

Svirsky, Bennett, assignor of one-fourth to E. L. Kuhn, and one-fourth to I. S. Roach, Los Angeles, Calif. Venetian blind structure. 2,607,409, Aug. 19.

Svit, narodni podnik, assignee: *See*—
Hofanský, Eduard.
Kadeřávek, Václav.
Václavík, Jaroslav and Bayer.
Veselý, Karel.

Swackhamer, Robert H., Oakland, Calif. Venetian blind. 2,617,480, Nov. 11.

Swafford, Luther B., England, Ark. Plant thinning machine. 2,582,513, Jan. 15.

Swain, Julian B., Louisville, Miss. Laundry cart for household use. 2,597,544, May 20.

Swain, Kenneth W.: *See*—
Edsall, William S., Swain, and Kozacka.

Swain, Lois F., Middletown, Pa. Doll carrying apron. 2,593,218, Apr. 15.

Swainey, Homer L., Cleveland, Ohio, assignor to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,582,610, Jan. 15.

Swainson, Swain J., Darien, Conn., E. C. Herkenhoff, Hibbing, Minn., and R. H. Lowe, St. Louis, Mo., assignors to American Cyanamid Company, New York, N. Y. Separation of ferrosilicon from magnetite by froth flotation. 2,607,485, Aug. 19.

Swalsgood, Ralph H.: *See*—
Miller, Cecil, Snyder, and Swalsgood.

Swalinkavich, Joseph E., Jr., Robbinsdale, Minn. Floor sanding machine. 2,598,080, May 27.

Swaminathan, Sambasiva: *See*—
Newman, Melvin S., and Swaminathan.

Swan-Finch Oil Corporation, assignee: *See*—
Bryant, William C., and Giordano.

Swan, Harry C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,616,005, Oct. 28.

Swan, Harry C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor control switch. 2,624,030, Dec. 30.

Swan, Harry C., and W. W. Riedel, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Snap action switch. 2,598,856, June 3.

Swan, Vernie A. M., Hartington, Nebr. Posthole digger. 2,614,805, Oct. 21.

Swanbeck, Algott W., Tracy, Minn. Minnow pail. 2,595,726, May 6.

Swanberg, Julius, Chicago, Ill. Spoon bait. 2,586,186, Feb. 19.

Swancy, Miller W., Westfield, and L. Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company. 4-tertiary alkyl chlorophenoxyacetic acids and the use thereof as plant hormone synergists. 2,585,875, Feb. 12.

Swank, Inc., assignee: *See*—
Arbib, Richard H.
Bowder, David H.
Bryant, William C., and Frost.
Cheney, Leslie W.
Gosselin, Joseph D.
Le Blanc, Henry J.
Marien, Clement.
Marien, Clement S.
Sampson, Sam.
Wylie, Harold B.

Swank, Robert K.: *See*—
Palevsky, Harry, and Swank.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Hatch construction for railway car roofs. 2,602,407, July 8.

Swann, Theodore, Birmingham, Ala. Method and apparatus for reducing ores. 2,603,561, July 15.

Swansen, Theodore L.: *See*—
Eastman, David P., and Swansen.

Swanson, Alfred J., Hollywood, Calif. Hinged closure control. 2,591,476, Apr. 1.

Swanson, Bror W., Elmwood, assignor, by mesne assignments, to A. F., F. A., J. W., and S. G. Kasprow, New Britain, and M. E. Bailey, New Haven, Conn. Screw thread comparator. 2,586,114, Feb. 19.

Swanson, Bror W., Elmwood, assignor, by mesne assignments, to A. F., F. A., J. W., and S. G. Kasprow, New Britain, and M. E. Bailey, New Haven, Conn. Screw thread comparator. 2,588,431, Mar. 11.

Swanson, Bror W., Elmwood, assignor, by mesne assignments, to A. F., F. A., J. W., and S. G. Kasprow, New Britain and Meyer E. Bailey, New Haven, Conn. Screw thread comparator. 2,588,586, Mar. 11.

Swanson, Carl R., Central Village, E. W. Olson, Swansea, Mass., and F. L. Armitage, Barrington, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for applying powder to thread. 2,581,938, Jan. 8.

Swanson, Donald F., Chicago, Ill. Automatic coffee making and dispensing apparatus. 2,613,588, Oct. 14.

Swanson, Earnest F.: *See*—
Greenleaf, Leland B., and Swanson.

Swanson, Earnest F., Bristol, Ind. Portable traffic signal and the like. 2,612,548, Sept. 30.

Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Slub-catcher or yarn cleaner. 2,622,305, Dec. 23.

Swanson, Fred D., W. S. Swanson and R. E. Wiley, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 2,601,811, July 1.

Swanson, G. Fred, assignee: *See*—
Sears, Clarence M.

Swanson, Harold, Brownhelm Township, Lorain County, Ohio. Pencil coupling. 2,610,077, Sept. 9.

Swanson, Harry G.: *See*—
Lundberg, John E., and Swanson.

Swanson, Hilbert E., Milwaukee, assignor to Unit Crane & Shovel Corp., West Allis, Wis. Brake shoe with removable lining. 2,616,528, Nov. 4.

Swanson, Nels H., Chicago, Ill. Drill grinding apparatus. 2,583,159, Jan. 22.

Swanson, Olof W., Chicago, Ill. Lubricating means, more particularly for locomotive wheel flanges. 2,608,271, Aug. 26.

Swanson, Oscar W., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Apparatus for stripping leaves from flowers. 2,592,833, Apr. 15.

Swanson, Ralph G., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polishing composition. 2,614,049, Oct. 14.

Swanson, Reinhold J., Chicago, Ill. Waterproof container. 2,586,740, Feb. 19.

Swanson, Roland J., Ann Arbor, Mich. Magnetic case for elongated articles of magnetic material. 2,600,589, June 17.

Swanson, Secerel S., Dallas, Tex. Measuring device. 2,595,021, Apr. 29.

Swanson Tool and Machine Products, Inc., assignee: *See*—
Merchant, Chester O.

Swanson, Wallace R., Seattle, Wash., assignor to Boeing Airplane Company. Fabric panel clamp. 2,597,401, May 20.

Swanson, Walter S.: *See*—
Swanson, Fred R., W. S., and Wiley.

Swanton, John R., Jr.: *See*—
Latham, Allen, Jr., and Swanton.

Swarr, Jay N., Evergreen Park, Ill., assignor to Corn Products Refining Company, New York, N. Y. Air dome control for ion exchange. 2,617,765, Nov. 11.

Swart, Gilbert H., assignor to The General Tire and Rubber Company, Akron, Ohio. Butadiene methyl-o-chlorocinnamate copolymer. 2,594,824, Apr. 29.

Swart, Kenneth H., assignor to Security Engineering Co., Inc., Whittier, Calif. Rock bit radial bearing. 2,595,903, May 6.

Swart, Kenneth H., assignor to Security Engineering Co., Inc., Whittier, Calif. Tricone rock bit. 2,595,904, May 6.

Swart, Richard H., assignor to Carrier Corporation, Syracuse, N. Y. Oil return mechanism for refrigeration systems. 2,614,402, Oct. 21.

Swartwout Company, The, assignee: *See*—
Meyer, Royal L.

Swarts, Edward L., Princeton, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay test set. 2,589,160, Mar. 11.

Swartz, Joseph N.: *See*—
Tomlinson, George H., and Swartz.

Swartz, Louis, Philadelphia, and M. I. Hughes, Hatboro, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Servomotor control. 2,601,760, July 1.

Swartz, Raymond, Harrisburg, Pa. Battery charger. 2,605,455, July 29.

Swartz, Robert H., New York, N. Y. Compound reciprocating-pulse jet aircraft power plant. 2,587,073, Feb. 26.

Swartz, Thomas J., South Orange, N. J., assignor to Thomas Textile Co. Inc., New York, N. Y. Cut textile piece adapted for use as diapers, wiping cloths, and the like. 2,619,089, Nov. 25.

Swartzman, Irving J.: *See*—
Melamed, Louis, Greenburg, and Swartzman.

Sway, Henry C., Bridgeport, Conn., assignor to General Electric Company. Electric blanket control. 2,598,081, May 27.

Swazey, George A., Milo, Maine. Railroad switch. 2,611,076, Sept. 16.

Swearingen, Judson S., assignor to Institute of Inventive Research, San Antonio, Tex. Low-temperature separation of gases into constituents. 2,601,009, June 17.

Swearingen, Judson S., San Antonio, Tex. Treatment of gaseous mixtures. 2,617,484, Nov. 11.

Sweat, Martin A., Waycross, Ga. Cotter pin puller. 2,593,935, Apr. 22.

Swebilius, Earl B., Hamden, Conn. Rollable sound-producing toy. 2,607,161, Aug. 19.

Swedlow, Samuel: *See*—
Parsegian, Voxcan L., and Swedlow.

Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Hinge. 2,584,372, Feb. 5.

Swedman, Enoch, St. Paul, Minn., assignor to Seeger Refrigerator Company. Refrigerator partition structure. 2,615,592, Oct. 28.

Sweeney, Alfred A., Denver, and M. F. Sweeney, Silt, Colo. Brake release signal for autos. 2,584,938, Feb. 5.

Sweeney, B. K., Mfg. Co., assignee: *See*—
Able, Edward T., and Krieger.

Sweeney, B. K., Manufacturing Company, assignee: *See*—
Sweeney, John F., Able, and MacKay.

Sweeney, Frank B., assignor to Ritter Company, Inc., Rochester, N. Y. Air temperature control for carburetors. 2,616,675, Nov. 4.

Sweeney, Fred C., Steubenville, Ohio, assignor to National Steel Corporation. Annealing. 2,595,991, May 6.

Sweeney, John F., E. T. Able and I. A. MacKay, assignors to B. K. Sweeney Manufacturing Company, Denver, Colo. Apparatus for servicing airplane propellers. 2,602,217, July 8.

Sweeney, Maurice F.: *See*—
Sweeney, Alfred A. and M. F.

Sweeney, Morgan: *See*—
Overholser, J. Homer H., and Sweeney.

Sweeney, Morgan L., Jr., Los Angeles, Calif., assignor to The Parker Appliance Company, Cleveland, Ohio. Dual valve for controlling liquid level. 2,619,108, Nov. 25.

Sweeney, Orland E., M. H. Brown, and L. K. Arnold, assignors to Iowa State College Research Foundation, Ames, Iowa. Production of lignin, cellulose, and pentosans. 2,615,883, Oct. 28.

Sweeney, Robert D., and W. L. Coutchure, assignors to Wm. H. Cook, trustee, Toledo, Ohio. Automatic valve. 2,597,402, May 20.

Sweeny, Charles R., Wilmington, Del. Illuminated decorative display ornament. 2,586,741, Feb. 19.

Sweet, Arthur D., Los Angeles, Calif. Suspended tie rack. 2,598,315, May 27.

Sweet, Arthur P., Jr.: *See*—
Grimm, Albert C., and Sweet.

Sweet, Cecil H., Hobbs, N. Mex. Packer. 2,604,946, July 29.

Sweet, Monroe H.: *See*—
Williford, Edward A., and Sweet.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Comparison type densitometer. 2,594,514, Apr. 29.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Liquid level control. 2,606,297, Aug. 5.

Sweet, Richard A., assignee: *See*—
Triplett, Lee.

Sweet, Robert E., Minneapolis, Minn. Compass and charting device. 2,618,856, Nov. 25.

Sweet, Roland G., Pleasanton, assignor to A. Roberts, Concord, Calif. Leather punch. 2,599,877, June 10.

Sweetland Development Company, assignee: *See*—
Sweetland, Ernest J.

Sweetland, Ernest J., deceased, Piedmont, Calif.; N. Sweetland, E. J. Sweetland, Jr., and American Trust Company, executors of said E. J. Sweetland. Fire extinguisher. 2,588,587, Mar. 11.

Sweetland, Ernest J., Piedmont, assignor to Sweetland Development Company, San Francisco, Calif. Ash receiver. 2,605,772, Aug. 5.

Sweetland, Ernest J., Jr., executor: *See*—
Sweetland, Ernest J.

Sweetland, Nellie, executrix: *See*—
Sweetland, Ernest J.

Sweetman, William G., Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex. Cutting apparatus. 2,587,243, Feb. 26.

Sweetman, William G., Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex. Apparatus for cutting pipes within a well. 2,587,244, Feb. 26.

Sweetman, William G., Houston, Tex. Initiating device for suspended explosive charges. 2,595,615, May 6.

Sweetser, Sumner B.: *See*—
May, Walter G., and Sweetser.

Sweetser, Sumner B., Cranford, N. J., assignor to Standard Oil Development Company. Catalyst production and utilization. 2,619,449, Nov. 25.

Sweetser, Sumner B., Cranford, F. R. Russell, Scotch Plains, and E. R. Bucker, Roselle, N. J., assignors to Standard Oil Development Company. Formation of an attrition-resistant Fischer-Tropsch catalyst. 2,623,021, Dec. 23.

Sweezey, Arthur W., Garden Grove, Calif., assignor to The Dow Chemical Company, Midland, Mich. Herbicide. 2,622,974, Dec. 23.

Sweger, Russell P., assignor to Barber-Colman Company, Rockford, Ill. Resistance unit. 2,606,986, Aug. 12.

Sweger, Theodore J., and M. S. Johnson, assignors to Illinois Railway Equipment Company, Chicago, Ill. Wear plate for brake heads. 2,599,876, June 10.

Sweitzer, Carl W., Garden City, assignor to Columbian Carbon Company, New York, N. Y. Carbon black pelleting process. 2,591,024, Apr. 1.

Swem, Andria P.: *See*—
Dayton, Ervis B., and Swem.

Swem, Lee A., Portland, Oreg. Key fastener. 2,601,644, June 24.

Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,592,210, Apr. 8.

Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Flatiron having a retractable support. 2,582,082, Jan. 8.

Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Cover securing means for pressure cookers and the like. 2,584,759, Feb. 5.

Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Steam iron water reservoir water discharge control means. 2,587,665, Mar. 4.

Swenson, Arthur W., Rockton, Ill. Spring motor actuated toy vehicle. 2,604,727, July 29.

Swenson, Carl E., Rockford, Ill. Power take-off joint assembly. 2,605,853, Aug. 5.

Swenson, Carl E., and A. Y. Dodge, Rockford, Ill. One-way clutch. 2,609,904, Sept. 9.

Swenson, Claus H., Minneapolis, Minn. Manually operated means for propelling boats. 2,599,791, June 10.

Swenson, Eskil W., Cherry Valley, Ill. Material spreader. 2,620,094, Dec. 2.

Swenson, Gordon C., Erie, Pa. Chatterless countersink. 2,613,558, Oct. 14.

Swenson, Harvey F., Seattle, Wash. Commercial ice-cream freezer. 2,604,307, July 22.

Swenson, James A., Waltham, W. E. Burns, Norfolk, and R. H. Stead, Revere, Mass. Apparatus for waving hair. 2,584,760, Feb. 5.

Swenson, Paul F., Cleveland Heights, and M. F. Pravda, Bedford, assignors to The Cleveland Research Corporation, Cleveland, Ohio. Variable flame-orifice gas burner. 2,603,283, July 15.

Swenson, William E., St. Paul, and H. A. Halgren, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Pump and motor hydraulic system and control valve therefor. 2,588,588, Mar. 11.

Swentzel, John P., assignor to The Carborundum Company, Niagara Falls, N. Y. Silicon carbide refractory article. 2,609,318, Sept. 2.

Sweo, Benjamin J., Lakewood, assignor to Ferro Corporation, Cleveland, Ohio. Porcelain enamel article and producing same. 2,581,310, Jan. 1.

Swerdlow, Nathan, Philadelphia, and G. G. Abel, Media, Pa., assignors to General Electric Company. Insulated sectionalized bus duct system. 2,591,386, Apr. 1.

Swerdlow, Nathan, Philadelphia, and G. G. Abel, Media, Pa., assignors to General Electric Company. Gasketed cover for isolated phase bus. 2,613,845, Oct. 14.

Swern, Daniel: *See*—
Port, William S., Jordan, and Swern.
Roe, Edward T., and Swern.

Swern, Daniel, E. T. Roe, and J. T. Scanlan, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Amides of 9,10-dihydroxystearic acid. 2,605,270, July 29.

Swickard, Frank S., deceased, Denver, Colo.; L. J. Swickard, administratrix. Railway brake control mechanism. 2,618,514, Nov. 18.

Swickard, Laura J., administratrix: *See*—
Swickard, Frank S.

Swidlo, Ivan A., Springfield, Mass. Locking device for fire control. 2,604,821, July 29.

Swierbut, Michael N.: *See*—
Dickinson, Henry R., and Swierbut.

Swietoslawski, Wojciech, assignor to Koppers Company, Inc., Pittsburgh, Pa. Purifying naphthalene by crystallization. 2,615,058, Oct. 21.

Swift, Bernard, Melrose, assignor to Simplex Wire & Cable Co., Cambridge, Mass. Cable with interlocked insulating layers. 2,583,026, Jan. 22.

Swift, Bernard, Melrose, and N. D. Kenney, Hingham, assignors to Simplex Wire & Cable Co., Cambridge, Mass. Interlocked cable insulation. 2,583,025, Jan. 22.

Swift, Clifford L., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,590,280, Mar. 25.

Swift, Clifford L., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Four-speed countershaft and planetary transmission. 2,593,629, Apr. 22.

Swift, Clifford L., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Overdrive control device. 2,620,899, Dec. 9.

Swift & Company, assignee: *See*—
Brabets, Robert I.
Bradford, Purdy, and White.
Brissey, George E.
Brissey, George E., and Young.
Brown, Leo C.
Coad, Frederic J.
Darrow, Merritt I., Biddinger, and Patterson.
Davenport, Charles H.
Davenport, Charles H., and Horn.
Davis, Elmer M.

Swift & Company, assignee: *See*—Continued.
De Vout, Anson W.
Grinstead, Sanford R.
Harris, John G.
Hauch, Walter E.
Hensgen, Bernard T.
Hilliker, Everett S.
Hodges, William A.
Ingle, James D., and Stahl.
Jensen, Lloyd B., and Hess.
Kauffman, Floyd L., and Urbain.
Koonz, Carl H.
Lacey, Felix E., and Leaders.
Luce, Stewart B.
Mathews, Ray V.
Mattil, Karl F.
McLaughlin, Daniel J.
Mink, Leon D.
Norris, Frank A.
Parsons, Clinton H., Campbell, and West.
Petersen, Lowell W.
Prohaska, James J.
Ramsbottom, John M., Grinstead, and Aalseth.
Rinehart, Cleo A., and Mertens.
Stevens, Sue C.
Williams, Beverly E.
Young, Harland H., and Black.
Young, Harland H., and Spitzmueller.

Swift, Gilbert: *See*—
Thayer, Jean M., Swift, and Fearon.

Swift, Irvin H., Grant City, Mo. Computing amplifier. 2,581,456, Jan. 8.

Swift, John F.: *See*—
Farkas, Eugene J., and Swift.

Swift, John F., Royal Oak, assignor to Ford Motor Company, Dearborn, Mich. Rotary hydraulic torque converter. 2,612,754, Oct. 7.

Swift, John F., Ypsilanti, assignor to Ford Motor Company, Dearborn, Mich. Hydraulic torque transmitting device. 2,598,620, May 27.

Swift, John F., Ypsilanti, assignor to Ford Motor Company, Dearborn, Mich. Transmission. 2,603,984, July 22.

Swift, John W., assignor of one-half to J. J. Walthour, Pueblo, Colo. Treadle operated gate. 2,594,515, Apr. 29.

Swift, Joseph, Spitalcroft, Knaresborough, assignor to A. & C. Jenner Limited, Mitcham, Surrey, England. Laundry apparatus for folding flat pieces of material. 2,621,927, Dec. 16.

Swift, Lawrence M., assignor to Well Surveys, Incorporated, Tulsa, Okla. Casing collar locator. 2,602,833, July 8.

Swift, Stanley H., Saginaw, Mich. Displaceable vehicle seat. 2,604,925, July 29.

Swift, William, Sutton Coldfield, assignor to Joseph Lucas Limited, Birmingham, England. Machine for pegging or keying armature windings. 2,619,716, Dec. 2.

Swift, William, Sutton Coldfield, assignor to Joseph Lucas Limited, Birmingham, England. Shearing machine. 2,620,031, Dec. 2.

Swift, William, Sutton Coldfield, assignor to Joseph Lucas Limited, Birmingham, England. Machine for winding armatures. 2,620,139, Dec. 2.

Swigert, Clarence J., West Hartford, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Automatic choke valve. 2,603,198, July 15.

Swilley, Payton A., Sr., Jennings, and T. B. Swilley, Jacksonville, Fla. Hack saw. 2,603,261, July 15.

Swilley, Thomas B.: *See*—
Swilley, Payton A., Sr., and T. B.

Swilling, William D.: *See*—
McDonald, Charles D., Williams, and Swilling.

Swimmer, Albert T., assignor to The General Fireproofing Company, Youngstown, Ohio. Locking means for desk drawers. 2,596,185, May 13.

Swindell-Dressler Corporation, assignee: *See*—
Pugsley, Hugh J.

Swindin, Norman, London, England. Submerged flame burner. 2,594,234, Apr. 22.

Swindin, Norman, London, England. Submersible burner. 2,611,362, Sept. 23.

Swindin, Norman, London, England. Regeneration of spent iron and sulfuric acid pickle liquors. 2,616,790, Nov. 4.

Swindler, Albert E., assignor to Wingfoot Corporation, Akron, Ohio. Flowable weighted diaphragm air compressor. 2,604,758, July 29.

Swinehart, Frank, Strongsville, Ohio. Pencil sharpener. 2,584,064, Jan. 29.

Swinehart, Frank, Strongsville, assignor to The Brush Development Company, Cleveland, Ohio. Milling frangible material. 2,593,811, Apr. 22.

Swinehart, Richard W.: *See*—
Savage, Albert B., and Swinehart.

Swingle, Ralph H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,619,561, Nov. 25.

Swinney, Mary F., Globe, Ariz. Diaper storage device. 2,615,489, Oct. 28.

Swinney, William N.: *See*—
Moore, Burke A., and Swinney.

Swirkal, Hugo L., Los Angeles, Calif. Pegboard toy. 2,602,263, July 8.

Swisher, Joseph R., and J. A. Soules, Decatur, Ill. Double-faced scare-bird owl. 2,582,514, Jan. 15.

Swisher, Max B., Leeton, and G. L. Boothe, Kansas City, Mo. Powered caster wheel for vehicles. 2,582,177, Jan. 8.

Swisher, Thomas H.: *See*—
Borman, Philip K., and Swisher.

Swisher, Thomas H., Elmhurst, Ill., assignor to Hotpoint Inc. Prefabricated counter sections and assemblies thereof. 2,594,516, Apr. 29.

Swisher, Thomas H., Elmhurst, Ill., assignor to Hotpoint Inc. Inlet fixture for liquid tanks. 2,600,521, June 17.

Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosiloxanes containing methylliyl silicon oxide groups. 2,595,727, May 6.

Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polysiloxanes containing allyl radicals. 2,595,728, May 6.

Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosilicon compounds and conductors insulated therewith. 2,595,729, May 6.

Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosiloxanes containing allyl radicals and heat-treated products. 2,595,730, May 6.

Swiss, Jack, Murrysville, and G. W. Hewitt, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adhesive liquid compositions suitable for electrostatic dust precipitators. 2,597,201, May 20.

Switack, John W.: *See*—
Davis, Cortland W., and Switack.

Switlik Parachute Company, Inc., assignee: *See*—
Moran, Harold J.

Switzer Companies, assignee: *See*—
Murphy, Francis H.

Switzer, John L.: *See*—
Bramann, George M., and Switzer.

Switzer, Joseph L., Cleveland Heights, and R. A. Ward, Cleveland, Ohio. Daylight-fluorescent textiles. 2,606,809, Aug. 12.

Swormco, Inc., assignee: *See*—
Schworm, Louis, Jr.

Swyers, Carl, Winfield, W. Va. Dancing toy. 2,605,586, Aug. 5.

Sydell Manufacturing, Incorporated, assignee: *See*—
Croft, Sidney F., Jr.

Sykes, Adrian F., Saint Albans, England. Electrical sound recording, reproducing, and like apparatus. 2,621,260, Dec. 9.

Sykes, Charles: *See*—
Kirkby, Henry W., and Sykes.

Sykes, Thomas R.: *See*—
Wallace, Richard E., and Sykes.

Sykes, Thomas R., assignor to The Toronto Star Limited, Toronto, Ontario, Canada. Automatic feeder for feeding material or articles through machines. 2,619,027, Nov. 25.

Sykes, W. E., Limited, assignee: *See*—
Riley, Joseph.

Sylvan, Joseph, Berkley, Mich. Door. 2,582,467, Jan. 15.

Sylvan, Joseph, Berkley, Mich. Jamb assembly. 2,582,468, Jan. 15.

Sylvan, Joseph, Berkley, Mich. Window frame and sash assembly. 2,589,161, Mar. 11.

Sylvan, Joseph, Berkley, Mich. Window and screen assembly. 2,600,283, June 10.

Sylvan, Joseph, Berkley, Mich. Window assembly. 2,618,326, Nov. 18.

Sylvan, Joseph, Berkley, Mich. Storm window and screen assembly. 2,618,327, Nov. 18.

Sylvania Electric Products Inc., assignee: *See*—
Alexander, Robert H.
Alexander, Robert H., and Spicer.
Amico, Salvatore F.
Bohlke, Paul G.
Bohlke, Paul G., and Breeden.
Breeden, Francis C.
Brooks, Joseph H.
Burke, Edward W., Jr.
Butler, Keith H.
Casellini, Ezio T.
Davis, James N.
Doran, Robert F.
Englert, Ralph A.
Fink, William C.
Gartner, Stanley J.
Gartner, Stanley J., and Hasselman.
Gartner, Stanley J., and Pilkinton.
Gull, Roy A.
Hultberg, Carl A.
Ishler, Harry K.
Jacobs, Harold, and Hees.
Kingston, Ronald E., and Marchisio.
Kronenwetter, Harold P.
Kurtz, Jacob.
Landauer, Rolf W.
Lowry, Erwin F., and Mace.
Maloney, Henry B.

Sylvania Electric Products Inc., assignee: *See*—Continued.
Mitchell, Don G.
Nicholson, Madison G., Jr.
Nitardy, Carl.
Norton, Clyde J.
O'Neill, George D.
O'Neill, James V., and Overmier.
Pontius, John C.
Roy, Joseph A., and Ives.
Sawyer, Bruce A., and Burns.
Thalner, Robert R.
Titus, Charles L., and Barrett.
Toorks, William P.
Wheeler, William.
Wheeler, William, and Wicke.
Young, Charles A., and Baker.

Sylvén, Bengt E. G. V., Stockholm, and K. O. Snellman, Uppsala, Sweden. Preparing heparin. 2,623,001, Dec. 23.

Sylvest, Karl J., and E. Jensen, Copenhagen, Denmark, assignors to F. L. Smidth & Co., New York, N. Y. Packing machine. 2,613,854, Oct. 14.

Sylvester & Company, assignee: *See*—
Schoenlaub, Robert A.

Sylvester, Edwin E.: *See*—
Perkins, John L., and Sylvester.

Symington-Gould Corporation, The, assignee: *See*—
Barrows, Donald S.
Barrows, Donald S., and Couch.
Blattner, Emil H.
Couch, Glenn F.

Symington, Robert and L. H. Cleat, Cheadle Heath, Stockport, assignors to Simon-Carves, Limited, Stockport, England. Apparatus for effecting magnetically a separation between magnetizable and nonmagnetizable particles contained in liquids, slurries and the like. 2,612,262, Sept. 30.

Symmons, Paul C., West Roxbury, Mass. Automatic tank fill valve. 2,620,818, Dec. 9.

Symonds, Bernard K., Providence, assignor to Providence Pile Fabric Corp., Pawtucket, R. I. Pile fabric and making same. 2,599,293, June 3.

Symons, Arthur H., assignor to Symons Clamp and Mfg. Company, Chicago, Ill. Wall form spreader tie. 2,584,822, Feb. 5.

Symons Brothers Co., assignee: *See*—
Symons, Edgar P.

Symons Clamp and Mfg. Company, assignee: *See*—
Symons, Arthur H.

Symons, Edgar P., Hollywood, assignor to Symons Brothers Co., North Hollywood, Calif. Grain cutter. 2,589,307, Mar. 18.

Syncro Machine Company, assignee: *See*—
Bruestle, Carl O.

Synor Research Laboratories, Inc., The, assignee: *See*—
Bowles, Albert F.

Syntex, S. A., assignee: *See*—
Kaufmann, Stephen, Rosenkranz, and Berlin.
Kaufmann, Stephen, Rosenkranz, and Pataki.
Rosenkranz, George, and Kaufmann.
Rosenkranz, George, Kaufmann, and Pataki.
Rosenkranz, George, Kaufmann, and Romo.

Syntron Company, assignee: *See*—
Alvord, Grove D.
Kast, George.
Weyandt, Carl S., and McKelvy.

Syracuse Chilled Plow Co., Inc., assignee: *See*—
Cook, Curtiss L., and Young.

Syretz, Peter T., Bridgeport, Conn. Decorative rotatable electrical display. 2,605,386, July 29.

Syrovy, Augustin J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling mounting. 2,588,668, Mar. 11.

Syrovy, Augustin J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Rotary hydraulic torque converter. 2,613,503, Oct. 14.

Syrovy, Augustin J., W. T. Dunn, and T. Iavelli, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,584,939, Feb. 5.

Syrovy, Gerald H., Swampscott, Mass., and J. W. Seaman, Kennett Square, Pa., assignors to General Electric Company. Time element electromagnetic device. 2,598,463, May 27.

Syrstad, Eyvind K., deceased, by M. Syrstad, co-executor, Lancaster, Pa. Watchmaker's appliance. 2,617,006, Nov. 4.

Syrstad, Mamie, co-executor: *See*—
Syrstad, Eyvind K.

Szabo, Joseph L.: *See*—
Bruce, William F., Szabo, and Tubis.

Szabo, William F.: *See*—
Few, William, Sauter, and Szabo.

Szady, Leopold T.: *See*—
Gruenberg, Ivor J., and Szady.

Szager, Frank G., Inglewood, Calif. Power lawn mower. 2,622,689, Dec. 23.

Szaniszlo, Stefan, Caronno Pertusella, assignor to Siemens Società Per Azioni, Milano, Italy. Relay device for starting and protecting single-phase induction motors, particularly for compression refrigerator motors. 2,589,893, Mar. 18.

Szczeniowski, Boleslaw, West Montreal, Quebec, Canada. Rotary hydraulic torque converter. 2,612,755, Oct. 7.

Szegho, Constantin S.: *See*—
Phillips, Willis E., and Szegho.

Szegho, Constantin S., Chicago, Ill., assignor to The Rauland Corporation. Iron trap type electron gun. 2,582,402, Jan. 15.

Szegho, Constantin S., and M. E. Amdursky, Chicago, Ill., assignors to The Rauland Corporation. Cathode-ray tube. 2,612,611, Sept. 30.

Szegho, Constantin S., M. E. Amdursky and W. O. Reed, Chicago, Ill., assignors to The Rauland Corporation. Cathode-ray tube. 2,612,612, Sept. 30.

Szekely, George, Tel Aviv, Palestine. Device for dropwise dispensing of liquids. 2,609,972, Sept. 9.

Szigeti, Elemér, Vienna, Austria. Piston ring. 2,621,990, Dec. 16.

Sziklai, George C.: *See*—
Schroeder, Alfred C., and Sziklai.
Wendt, Karl R., and Sziklai.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television image reproducing system. 2,587,074, Feb. 26.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Wide range high-frequency series-resonant tuning circuit. 2,593,361, Apr. 15.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. High-frequency amplitude modulated transmitter. 2,593,395, Apr. 15.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Centering and amplitude control apparatus for cathode-ray beams. 2,594,517, Apr. 29.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television signal converter. 2,598,857, June 3.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,606,246, Aug. 5.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television receiving system. 2,615,975, Oct. 28.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Signal quantizer. 2,617,879, Nov. 11.

Sziklai, George C., and A. V. Bedford, Princeton, N. J., assignors to Radio Corporation of America. Television film scanner. 2,590,281, Mar. 25.

Sziklai, George C., and F. J. Darke, Jr., Princeton, N. J., assignors to Radio Corporation of America. Gain control circuit utilizing keyed magnetic amplifier. 2,615,977, Oct. 28.

Szklarski, Ludger: *See*—
Jezewski, Mieczyslaw, and Szklarski.

Szpur, Roman: *See*—
Sinkwitz, Joseph C., and Szpur.

Szuderski, Joseph J., Glendale, N. Y. Medicated pacifier. 2,612,165, Sept. 30.

Szukiewicz, Waclaw, assignee: *See*—
Jezewski, Mieczyslaw, and Szklarski.

Szulce, Zygmunt, Warsaw, Poland. Flexible mattress support. 2,581,611, Jan. 8.

Szymko, Chester T.: *See*—
Noland, Robert A., and Szymko.

Szypulinski, Frank, Milwaukee, Wis. Machine guard. 2,604,823, July 29.

T. M. M. (Research) Limited, assignee: *See*—
Haythornthwaite, James J.

T. & T. Vicars Limited, assignee: *See*—
Appleton, Albert, and Collinge.
Crosland, Edward M.
Crosland, Edward M., and Naylor.
Naylor, Joseph F.

T. W. & C. B. Sheridan Company, assignee: *See*—
Kleineberg, Paul E., and Lariviere.

Taat, Willem J., and R. W. V. Korndorffer, Delft, assignors to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, ten behoeve van Nijverheid, Handel en Verkeer, The Hague, Netherlands. Preparation of rapidly hardening cast resins from phenol and formaldehyde and tension-free castings prepared therefrom. 2,591,634, Apr. 1.

Taat, Willem J., and R. W. V. Korndorffer, Delft, assignors to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, ten behoeve van Nijverheid, Handel en Verkeer, The Hague, Netherlands. Preparation of rapidly hardening cast resins from phenol and formaldehyde and tension-free castings prepared therefrom. 2,609,351, Sept. 2.

Taber, George J., Buffalo, N. Y. Fume eliminator and fuel saver for internal-combustion engines. 2,617,398, Nov. 11.

Taberer, John H., Burlington, N. J. Sectional container. 2,595,113, Apr. 29.

Tabet Manufacturing Company, Incorporated, assignee: *See*—
Tabet, Michael A.

Tabet, Michael A., assignor to Tabet Manufacturing Company, Incorporated, Norfolk, Va. Apparatus for withdrawing oil from the crankcase of internal-combustion engines. 2,603,312, July 15.

Tabler, Guy R., Hardin, Mo. Portable target apparatus. 2,613,934, Oct. 14.

Tacalemit, Societe Anonyme, assignee: *See*—
Duwos, André.

Tacchi, Percy G., Longs, North Curry, Taunton, England. Thermostatically controlled mixing valve. 2,603,420, July 15.

Taccone Pneumatic Foundry Equipment Corporation, assignee: *See*—
Taccone, Russell W.

Taccone, Russell W., assignor to Taccone Pneumatic Foundry Equipment Corporation, North East, Pa. Machine for forming molds. 2,588,669, Mar. 11.

Taccone, Russell W., assignor to Taccone Pneumatic Foundry Equipment Corporation, North East, Pa. Machine for blowing sand into molds. 2,598,621, May 27.

Tachikawa, Shozo, Sanjo, Higashiyama-Ku, Kyoto, Japan. Manufacturing macromolecular cellulose fiber. 2,592,355, Apr. 8.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Duplex brake. 2,584,940, Feb. 5.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake cooling baffle. 2,597,603, May 20.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,597,909, May 27.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Journal box mounting. 2,598,082, May 27.

Tackett, Joe, Briceland, Calif. Railroad tie dresser. 2,582,658, Jan. 15.

Taco Heaters, Incorporated, assignee: *See*—
White, John H., and Schoerner.

Tacy, Claris F., Oakdale, Pa. Rotatable Christmas tree stand. 2,587,788, Mar. 4.

Tadema, Harco J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Sizing compositions and their preparation and use in paper. 2,602,739, July 8.

Taecker, Rollin G., Manhattan, Kans. Mixing unit for refrigerators. 2,596,876, May 13.

Taff, Clifford B., Greenville, N. C. Insect and rodent exterminator. 2,588,894, Mar. 11.

Taft-Peirce Manufacturing Company, The, assignee: *See*—
Miller, Paul V.

Tager, Benjamin N., assignee: *See*—
Reynolds, Lee T.

Taggart, Charlotte C., administratrix: *See*—
Taggart, Robert J.

Taggart, Robert J., deceased, Philadelphia, Pa.; C. C. Taggart, administratrix. Yarn tensioning. 2,618,444, Nov. 18.

Taggart, Thomas L.: *See*—
Lombard, Nathaniel A., and Taggart.

Tagliero, Alberto J., Buenos Aires, Argentina. Bodice structure. 2,583,716, Jan. 29.

Tagmann, Eugen: *See*—
Hoffmann, Karl, and Tagmann.

Taig, William A., Farnham, England. Apparatus for grinding the bevel edge of spectacle and other lenses. 2,612,734, Oct. 7.

Taintor, Charles M., Southport, Conn. Laryngectomic shield. 2,606,553, Aug. 12.

Talt, Harold C.: *See*—
Mitchell, Reginald C., Talt, Webber, Aickin, Winsor, and Billingham.

Takats, Zoltan, Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Spring type clutch. 2,601,911, July 1.

Takats, Zoltan, Vestal, assignor to Dejur-Amsco Corporation, Long Island City, N. Y. Resistor structure with adjustably positionable taps. 2,619,570, Nov. 25.

Takeda Yakuhin Kogyo Kabushikigaisha, assignee: *See*—
Matsukawa, Taizo, and Iwatsu.

Takitani, Ernest Y., Wailuku, Maui, Territory of Hawaii. Hand truck. 2,603,367, July 15.

Talalay, Joseph A., New Haven, Conn. Making a cellular rubber article. 2,604,663, July 29.

Talalay, Joseph A., New Haven, Conn., assignor of one-half to The Sponge Rubber Products Company and one-half to The Dayton Rubber Company, Dayton, Ohio. Mold for rubber products and article formed therein. 2,615,202, Oct. 28.

Talalay, Joseph A., New Haven, Conn. Apparel pad. 2,616,093, Nov. 4.

Talbert, Austin G., Lyons, Ill. Coupling for tractor and semitrailer units. 2,613,945, Oct. 14.

Talbert, John W., Hartsville, S. C. Cotton chopper. 2,587,406, Feb. 26.

Talbot, Frank A., Baltimore, Md. Multiple switch. 2,593,072, Apr. 15.

Talbot, Howard H.: *See*—
Biggert, Florence C., Jr., and Talbot.

Talbot, Howard H., Allegheny County, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Gathering table. 2,602,537, July 8.

Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method of and apparatus for aligning conveyer chains. 2,608,288, Aug. 26.

Talbot, Irvin W., Rush Hill, Mo. Posthole boring machine. 2,602,637, July 8.

Talbot, Richard C.: *See*—
Ferguson, John L., and Talbot.

Talbot, Robert B.: *See*—
Ferguson, John L., and Talbot.
Fox, Samuel S., and Talbot.

Talbott, Newton G., Ogden, Utah. Safety bar for window washers. 2,583,613, Jan. 29.

Talboys, Henry H., Milwaukee, Wis. Adhesive structure. 2,585,515, Feb. 12.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Bucket elevator and feed means therefor. 2,595,312, May 6.

Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Power transmission for trackworking tools and the like. 2,607,251, Aug. 19.

Talboys, Henry H., Milwaukee, Wis., and S. A. Kraft, St. Paul, Minn., assignors to Johnson Power-On Transmission Corporation, Chicago, Ill. Brake and clutch. 2,605,863, Aug. 5.

Talcott, Emily E., assignee: *See*—
Talcott, Thomas B.

Talcott, Thomas B., assignor to E. E. Talcott, Cleveland, Ohio. Dental floss holder. 2,607,357, Aug. 19.

Talge, Foster L., assignee: *See*—
Scott, Robert J.

Talge, Henry J., assignee: *See*—
Scott, Robert J.

Taliaferro, David B., Bartlesville, C. F. McClung, Tulsa, and F. G. Mueller, Bartlesville, Okla., assignors to the United States of America as represented by the Secretary of the Interior. Instrument for locating the liquid level in wells. 2,610,500, Sept. 16.

Tall, Joel, New York, N. Y. Splicing block. 2,599,667, June 10.

Tallant, Maude R., Grandview, Wash. Irrigation ditch opener. 2,618,501, Nov. 18.

Talley, Calvin C., Levelland, Tex. Hardware insulator for vehicles. 2,583,901, Jan. 29.

Talley, Chester B., Smackover, Ark. Valve. 2,611,388, Sept. 23.

Talley, Eugene A.: *See*—
Schwartz, Joseph H., Talley, Zief, and Fisher.

Talley, Randal E., Irwin, Pa. Rotary hearth furnace. 2,622,861, Dec. 23.

Talley, Samuel K.: *See*—
Perry, George L., and Talley.

Tallis, Ernest E.: *See*—
Ward, Frank, and Tallis.

Tallman, Arthur F., Eugene, Oreg. Tape dispensing device. 2,611,432, Sept. 23.

Tallman, Jesse J., Fort Bragg, Calif. Stacking apparatus. 2,613,824, Oct. 14.

Tallman, John C.: *See*—
Watson, Frederick K., Ludlow, and Tallman.

Tallman, Laurence C.: *See*—
McBean, Douglas M., Tallman, and Moyer.

Tallman, Oscar F., and R. G. Graham, assignors to James R. Kearney Corporation, St. Louis, Mo. Electrical wire attaching device. 2,598,728, June 3.

Tallman, Robert B., Jersey City, N. J. Hanger. 2,596,054, May 6.

Tally, Carl E., Cleburne, Tex. Automatic water cutoff and drain. 2,611,383, Sept. 23.

Talmadge, Alberta M., assignee: *See*—
Hart, James F.

Talmadge, Palmer C., and J. D. Zartman, Logansport, and R. E. Prouty, Cass County, assignors to Essex Wire Corporation, Logansport, Ind. Motor overload protector terminal structure. 2,587,789, Mar. 4.

Talmage, John H., and R. W. Finley, assignors to Diebold, Incorporated, Canton, Ohio. Filing appliance. 2,581,730, Jan. 8.

Talon, Inc., assignee: *See*—
Camp, Henry P.
Dorman, Leonard M.
Meech, Ralph E.
Poux, Noel J.
Proud, Ralph A., and Stanley.
Rhoads, Albert B., and Van Amburg.
Sundback, Gideon.

Tama, Manuel and Mario, Morrisville, Pa., and J. L. Hoff, Pennington, assignors to Ajax Engineering Corporation, Trenton, N. J. Apparatus for the mold casting of metals. 2,597,269, May 20.

Tama, Mario: *See*—
Tama, Manuel and Mario, and Hoff.

Tamarin, Bernard J., Flourtown, Pa. Vacuum cleaner with detachable reel-and-handle unit. 2,591,214, Apr. 1.

Tambini, Albert L., and E. N. Burnett, San Lorenzo, and E. M. Fischer and J. Lima, Oakland, Calif., assignors to Gerber Products Company, Fremont, Mich. Apparatus for removing caps from jars. 2,606,707, Aug. 12.

Tamborini, Victor, assignee: *See*—
Cushman, Charles S.

Tammen and Denison, Inc., assignee: *See*—
Denison, William E.

Tamminga, William, Goshen, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J. Milk delivery can with enclosed dispensing tube. 2,622,772, Dec. 23.

Tamminga, William J., Goshen, N. Y. Illuminating device for tank trucks. 2,582,659, Jan. 15.

Tamminga, William J., assignor to Wis-Products, Inc., Goshen, N. Y. Siphon for filling milk cans. 2,604,294, July 22.

Tancred, William L., assignor to Jones & Lamson Machine Company, Springfield, Vt. Hydraulic profiler for truing devices and the like. 2,602,437, July 8.

Tanczyn, Harry, Baltimore, Md., assignor to Armco Steel Corporation. Stainless steel and method. 2,614,921, Oct. 21.

Tandler, William S., New York, N. Y., R. G. Fleuriot, Englewood, N. J., and C. F. Peck, assignors to Vendomatic Machine Corporation, New York, N. Y. Vending and dispensing device. 2,581,216, Jan. 1.

Tandler, William S., D. S. Walker, and F. A. de Weiss, assignors to Vendomatic Machine Corporation, New York, N. Y. Device for dispensing books, packages, and the like. 2,590,736, Mar. 25.

Tange, Otoyuki, and S. Morita, Taga-Mati, Taga-Gun, assignors to Hitachi Limited, Tokyo, Japan. Bushing type electric circuit breaker. 2,586,115, Feb. 19.

Tangeman, Russell L.: *See*—
Jarrett, John W., Tangeman, and Schmidt.

Tanghe, Leo J.: *See*—
Maim, Carl J., and Tanghe.

Tanke, Willard H., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Implement tire. 2,601,464, June 24.

Tanke, Willard H., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control valve for grain dividers. 2,605,076, July 29

Tann, Fred A., Los Angeles, Calif., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Hydraulic brake booster unit. 2,596,348, May 13.

Tannenbaum, Morris L., deceased, Bronx, N. Y.; A. J Springer and W. H. Wechter, executors. Sport cap. 2,615,168, Oct. 28.

Tannenberg, Joseph, Batavia, N. Y. Device for volume determination of extremely small quantities of fluids for scientific analytic tests. 2,618,158, Nov. 18.

Tanner, George S., St. Croix Beach, assignor to Gould-National Batteries, Inc., St. Paul, Minn. Apparatus for testing storage batteries. 2,588,776, Mar. 11.

Tanner, Gustaf, Sala, Sweden. Producing sponge metal. 2,596,877, May 13.

Tanner, James H.: *See*—
Kreitchman, Morton A., and Tanner.

Tannerstjö, Nils L., assignor to Gösta Wännström, Boden, Sweden. Buckle. 2,602,977, July 15.

Tansey, John P.: *See*—
Schmid, John H., Tansey, and Seigel.

Tanski, Victor T.: *See*—
Moohl, Johan G., and Tanski.

Tansley, Leslie R., Worthington, assignor to White Castle System, Inc., Columbus, Ohio. Receptacle for storing and dispensing nested drinking cups. 2,606,087, Aug. 5.

Tant, Grady, assignee: *See*—
Hilton, A. B.

Tapco, Inc., assignee: *See*—
Taylor, Harold F.

Tapleshay, John A.: *See*—
Morgan, Philip F., Tapelshay, and Thayer.

Taplin, George V., and F. A. Bryan, Brighton, N. Y. Powder inhaler. 2,603,216, July 15.

Taplin, Harold J., Birchington, England. Determining the time of run of power-driven models. 2,583,717, Jan. 29.

Taplinger, Jean R., Englewood, N. J., assignor to Solo Products Corporation. Apparatus for forming strand-like products on a carrier. 2,589,518, Mar. 18.

Tapner, Burton M., North Scituate, R. I., assignor to Welch Manufacturing Company. Movement unit for mechanical pencils. 2,598,083, May 27.

Tapp, Arthur G., St. Nicholas-at-Wade, and E. T. J. Tapp, assignors to County Commercial Cars Limited, Fleet, England. Transplanting machine. 2,609,767, Sept. 9.

Tapp, Damon L., Plymouth, Ind. Means for restoring the stiffness to weakened automobile knee action coil springs. 2,621,918, Dec. 16.

Tapp, Ernest T. J.: *See*—
Tapp, Arthur G., and E. T. J.

Tapp, Ernest T. J., and J. Davey, Fleet, assignors to County Commercial Cars Limited, Fleet, Aldershot, England. Attaching on each side of a vehicle chassis or body a frame carrying an endless driving track. 2,586,642, Feb. 19.

Tapp, Ernest T. J., and J. Davey, Fleet, assignors to County Commercial Cars Limited, Aldershot, England. Clutch mechanism. 2,591,635, Apr. 1.

Tapp, Ernest T. J., and J. Davey, assignors to County Commercial Cars Limited, Fleet, England. Amusement track apparatus. 2,595,992, May 6.

Tapp, Harry F., Longmeadow, and T. J. Mesh, Easthampton, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electronic level-sensitive apparatus. 2,619,620, Nov. 25.

Tappan, Ada I., executrix: *See*—
Tappan, Dewitt.

Tappan, Charles: *See*—
Helderich, Gordon F., and Tappan.

Tappan, Dewitt, deceased, Irondequoit, N. Y.; A. I. Tappan and H. S. Wynn, executors. Sash balance. 2,580,705, Jan. 1.

Tappan Stove Company, The, assignee: *See*—
Gregg, David D., and Smith.
Jordan, Richard H.
Mayer, Charles M.
Mayer, Charles M., and Craig.
Pollock, Earl S.
Sheidler, Robert G.

Tappert, John G., and W. Sperling, Philadelphia, Pa. Machine for cutting noncircular gears, cams, and the like. 2,616,337, Nov. 4.

Tarantur, Sam, and G. Harrigan, assignors to Admiral Corporation, Chicago, Ill. Radio chassis assembly. 2,605,326, July 29.

Tarbox, John P.: *See*—
Bower, John O., and Tarbox.

Tardiff, Ray O., Harbourton, N. J., assignor to Breyer Ice Cream Company, Philadelphia, Pa. Combination package. 2,617,577, Nov. 11.

Tarján, István, Chesapeake, Ohio. Air raid shelter. 2,623,247, Dec. 30.

Tark, Marcus B.: *See*—
Hess, Frederic O., Tark, and Schofield.

Tarkkonen, Oma, assignor of one-half to S. Osakeyhtio, Sunila, Finland. Digester filling in sulfate pulping. 2,614,928, Oct. 21.

Tarlow, Isidor, Brockton, Mass. Two-ply shoe forepart lining. 2,618,870, Nov. 25.

Tarnoff, Myron S., Omaha, Nebr. Venetian blind. 2,583,449, Jan. 22.

Tarnopol, Milton S., Brackenridge, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treatment of films with liquid. 2,606,566, Aug. 12.

Tarperi, Evo J., Iron Mountain, Mich. Rafter cutting and positioning jig. 2,582,892, Jan. 15.

Tarpley, Raymond E.: *See*—
Williams, Albert J., Jr., and Tarpley.

Tarpley, Raymond E., assignor to Leeds and Northrup Company, Philadelphia, Pa. Measuring system with grid current suppressor. 2,622,192, Dec. 16.

Tarr, Tom A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Positive shutoff valve. 2,616,653, Nov. 4.

Tartaglia, Richard A.: *See*—
Remington, Frederic, and Tartaglia.

Tarter, Christopher C., and H. S. Licht, assignors of thirty per cent to R. M. Kaufman, Los Angeles, Calif. Ring. 2,582,083, Jan. 8.

Taruffi, Piero, Rome, Italy. Racing car. 2,608,264, Aug. 26.

Tarzian, Sarkes, Bloomington, Ind. Selenium and like rectifier stack. 2,620,384, Dec. 2.

Tashjian, Harry, assignee: *See*—
Ananson, Richard D.

Tata, Domenic P.: *See*—
King, Etta E., and Tata.

Tatar, Fred, Gloversville, N. Y. Glove. 2,583,902, Jan. 29.

Tatar, Joseph S., Chicago, Ill. Portable and collapsible support for musical instruments. 2,613,901, Oct. 14.

Tate Bros., assignee: *See*—
Streader, William J.

Tate, Edwin H.: *See*—
Azola, Joseph R., Lucius, Tate, and Lyon.

Tate, Kenneth L., and F. B. Newell, assignors to Taylor Instrument Companies, Rochester, N. Y. Differential pressure sensing unit. 2,612,908, Oct. 7.

Tatge, George A., Monterey Park, Calif. Motorcycle gear shift. 2,617,505, Nov. 11.

Tatham, Willard L., Decatur, Ill. Piston packing ring assembly. 2,594,697, Apr. 29.

Tatman, Kenneth L., assignor to Resurrection Mining Company, Leadville, Colo. Flotation apparatus. 2,614,821, Oct. 21.

Tatom, Mamie A., Greenville, Miss. Cotton picker's bag. 2,601,465, June 24.

Tatom, Raymond F., Puyallup, assignor to Boeing Airplane Company, Seattle, Wash. Seat position lock. 2,599,079, June 3.

Tatra narodni podnik, assignee: *See*—
Březek, Rudolf.

Tatro, Lysle G., Los Angeles, Calif. Roll film holder for press type cameras. 2,609,739, Sept. 9.

Tatsch, Richard, El Monte, Calif. Panel heating and cooling system. 2,621,027, Dec. 9.

Tatum, Bethel L., Corpus Christi, Tex. Interlocking hollow building block. 2,619,829, Dec. 2.

Taub, Abraham, New York, N. Y., assignor to B. Clayton, doing business as Refining, Unincorporated. Iodine detergent. 2,599,140, June 3.

Taub, Abraham, assignor to Julius Schmid, Inc., New York, N. Y. Spermicidal compositions. 2,623,839, Dec. 30.

Taub, Abraham, assignor to Julius Schmid, Inc., New York, N. Y. Spermicidal compositions. 2,623,840, Dec. 30.

Taub, Abraham, assignor to Julius Schmid, Inc., New York, N. Y. Spermicidal compositions. 2,623,841, Dec. 30.

Taub, Alex, Washington, D. C., assignor to Thompson Products, Inc., Cleveland, Ohio. Supercharging and fuel heating system for internal-combustion engines. 2,582,916, Jan. 15.

Taub, William L., Bronx, N. Y. Garment hanger attachment. 2,591,387, Apr. 1.

Taube, Bernhard W., assignor to The Filer & Stowell Co., Milwaukee, Wis. Fluid actuated sawmill dogging mechanism. 2,604,911, July 29.

Tauber, Joseph, Springfield, Mass. Surgeon's prethreaded needle holder. 2,588,589, Mar. 11.

Taubert, George, Mount Vernon, N. Y., assignor to Dixie Cup Company, Easton, Pa. Cup dispenser. 2,584,941, Feb. 5.

Taulman, Flora L., Long Beach, Calif. Shower. 2,609,232, Sept. 2.

Taup, Milton J., La Grange, Ill., assignor to Vickers Incorporated, Detroit, Mich. Pump and motor hydraulic system, including multiple pumps. 2,618,932, Nov. 25.

Tauscher, Vernon A., Los Angeles, and J. M. Slater, Inglewood, Calif., assignors to North American Aviation, Inc. Zonal ball air bearing. 2,617,695, Nov. 11.

Tavannes Watch Co. S. A., assignee: *See*—
Bridevaux, Georges.

Tavano, John B., Waterbury, Conn. Machine for mitering and cutting finger grips in glass. 2,612,009, Sept. 30.

Tavener, Ernest E., assignor to Keith Blackman Limited, London, England. Gas burner with flame retaining ports. 2,588,895, Mar. 11.

Tavernon, Claude, Villefranche-sur-Saone, France. Farm sprayer. 2,588,943, Mar. 11.

Tawney, Gereld L., Port Washington, N. Y. Control circuits. 2,613,341, Oct. 7.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Anthracene-9, 10-bis methanethiol. 2,583,975, Jan. 29.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble interpolymers of diallylic maleates and allylic chlorides. 2,592,211, Apr. 8.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of selected poly-(2-alkenoxyalkyl) esters of fumaric acid and selected 2-alkenyl compounds. 2,594,825, Apr. 29.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble interpolymers of a poly-2-alkenyl ester, vinylidene chloride, and a monounsaturated 2-alkenyl compound. 2,597,202, May 20.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of a 2-alkenyl 2-alkenoate, a 2-alkenyl alcohol, and another copolymerizable monoolefinic compound. 2,598,316, May 27.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble copolymers of tris-2-alkenyl aconitates and 2-alkenyl alcohols. 2,599,027, June 3.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble interpolymers of tris-2-alkenyl aconitates, 2-alkenyl alcohols, and olefinic-benzenes. 2,599,028, June 3.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Acetone-soluble, unsaturated interpolymers of a Di-2-alkenyl maleate, a styrene, and a 2-alkenyl alcohol. 2,606,172, Aug. 5.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble copolymers of diallylic phthalates and allylic alcohols. 2,612,492, Sept. 30.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Quaternary interpolymers of (A) certain 2-alkenyl esters of alpha-olefinic polycarboxylic acids, (B) certain monovinyl benzenes, (C) certain monoolefinic carboxylic esters, and (D) certain 2-alkenyl alcohols, chlorides, ethers, or esters. 2,617,787, Nov. 11.

Tayler, Willoughby W., New York, N. Y. Glove. 2,602,930, July 15.

Taylor, Alfred H., Jr., Tuckahoe, N. Y., assignor to Air Reduction Company, Incorporated. Fracturable seal. 2,588,306, Mar. 4.

Taylor, Alton P., Nichols, assignor to International Business Machines Corporation, New York, N. Y. Record feeding device. 2,580,861, Jan. 1.

Taylor, Arthur S.: *See*—
Stirn, Frank E., and Taylor.

Taylor, Arthur W. C.: *See*—
Davies, Phineas, Reynolds, Coats, and Taylor.

Taylor, Arthur W. C., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Inhibiting oxidation of O-heterocyclic compounds. 2,617,810, Nov. 11.

Taylor, Arthur W. C., and N. Ackroyd, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Distillation of liquid mixtures containing aldehydes and cobalt. 2,609,337, Sept. 2.

Taylor, Auburn, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press ink fountain. 2,585,598, Feb. 12.

Taylor, Barney L.: *See*—
Schlack, Carl A., and Taylor.

Taylor, Bernard T., Scarborough, Ontario, Canada. Book. 2,604,337, July 22.

Taylor, Calvin R., Tampa, Fla. Radiator cap and steam baffle wrench. 2,599,668, June 10.

Taylor, Charles H., Huntington Park, Calif. Emergency brake. 2,604,192, July 22.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction nozzle having a variable opening. 2,585,186, Feb. 12.

Taylor, Charles R., Scott City, Kans. Dirt tray for air filters. 2,611,447, Sept. 23.

Taylor, Charles W., assignor to Wingfoot Corporation, Akron, Ohio. Gasoline container. 2,594,235, Apr. 22.

Taylor, Clarence E.: *See*—
Gwoosh, Stephen J., and Taylor.

Taylor, Clarence R., Penfield, N. Y. Gummed tape dispenser. 2,584,065, Jan. 29.

Taylor, Claude C., assignor to McGaffey-Taylor Corporation, Long Beach, Calif. Well packer. 2,607,424, Aug. 19.

Taylor, Claude C., assignor to McGaffey-Taylor Corporation, Long Beach, Calif. Well cementing tool. 2,607,425, Aug. 19.

Taylor, Clayton L.: *See*—
Adams, Robert W., and Taylor.

Taylor, Clement F., Peabody, Mass., assignor to General Electric Company. Dynamometer converter amplifier. 2,602,917, July 8.

Taylor, Cornol W., Holdenville, Okla. Automatic float transfer valve. 2,614,576, Oct. 21.

Taylor, David L., Dixon, Calif., assignor to Machinery Development Corporation, Caldwell, Idaho. Onion skinning and slicing machine. 2,602,480, July 8.

Taylor, Edgar F., Nottingham, and A. H. Williams, Bunny, England. Machine for applying adhesive to paper and the like. 2,605,740, Aug. 5.

Taylor, Edith M., and P. J. Moloney, assignors to The Governors of The University of Toronto, Toronto, Ontario, Canada. Producing heparin. 2,587,924, Mar. 4.

Taylor, Edward C., Johnston, C. G. Holland, Providence, and M. F. Cunha, East Providence, R. I., assignors to General Electric Company. Base assembling apparatus. 2,608,317, Aug. 26.

Taylor, Edwin W. and J. E., Shelton, Wash. Fish rake. 2,603,521, July 15.

Taylor, Emery F.: *See*—
Griggs, Ernest L., Jr., and Taylor.

Taylor, Erle W.: *See*—
Minsk, Louis M., and Taylor.

Taylor, Ernest W., assignor to Industrial Brownhoist Corporation, Bay City, Mich. Railroad car truck. 2,620,743, Dec. 9.

Taylor, Ervin W., Micco, Fla. Concrete drilling device. 2,590,053, Mar. 18.

Taylor & Fenn Co., The, assignee: *See*—
Eaton, Gerald.

Taylor Fibre Co., assignee: *See*—
Muller, George J.

Taylor, Francis W., Wellington, New Zealand. Rotary fluid pump or motor. 2,604,853, July 29.

Taylor, Frank E., assignor to De-Caser Company, Fresno, Calif. Transferring machine for objects like bottles. 2,608,308, Aug. 26.

Taylor, Frank H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Tuning system for coaxial cavity resonators. 2,583,027, Jan. 22.

Taylor, Fred S.: *See*—
Taylor, Richard P. and F. S.

Taylor, Fred W.: *See*—
Lankford, Jonathan D., Trotter, and Taylor.

Taylor, Freddie S., Wichita, Kans. Pickup utility device. 2,604,350, July 22.

Taylor, George A., East Orange, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid temperature control. 2,597,203, May 20.

Taylor, George A., East Orange, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater unit. 2,599,594, June 10.

Taylor, George E.: *See*—
Adams, James F., Bauer, and Taylor.

Taylor, George J.: *See*—
Dickey, Joseph B., and Taylor.

Taylor, George J., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Acylated methine dye compounds. 2,583,614, Jan. 29.

Taylor, George W., West Terre Haute, Ind. Cover top for trailer bodies. 2,594,597, Apr. 29.

Taylor, Gerald A., Troy, assignor to Cohoes Envelope Company, Inc., Cohoes, N. Y. Box with locking handle. 2,598,945, June 3.

Taylor, Halsey W., assignor to Halsey W. Taylor Co., Warren, Ohio. Liquid cooling apparatus. 2,605,620, Aug. 5.

Taylor, Halsey W., assignor to The Halsey W. Taylor Company, Warren, Ohio. Fluid dispensing device. 2,606,064, Aug. 5.

Taylor, Halsey W., Co., assignee: *See*—
Taylor, Halsey W.

Taylor, Halsey W., Company, The, assignee: *See*—
Taylor, Halsey W.

Taylor, Harold F., assignor to Tapco, Inc., Springfield, Ohio. Slicer. 2,617,190, Nov. 11.

Taylor, Harold G., assignor to Plastic & Rubber Products, Inc., Dayton, Ohio. Packing ring support. 2,607,140, Aug. 19.

Taylor, Harry E., assignor to Baltimore Biological Laboratory, Baltimore, Md. Apparatus for filling ampoules. 2,611,524, Sept. 23.

Taylor, Herbert L., Turtle Creek, Pa., assignor to Westinghouse Air Brake Company. Grading copper for use in copper oxide rectifiers. 2,592,975, Apr. 15.

Taylor, Herbert L., Turtle Creek, and L. K. Hedding, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Manufacture of copper oxide rectifiers. 2,614,052, Oct. 14.

Taylor, Hugh C., Flint, Mich. Caulking composition. 2,610,923, Sept. 16.

Taylor, Humphrey G., Lower Penn, near Wolverhampton, England. Ship's davit. 2,623,222, Dec. 30.

Taylor Instrument Companies, assignee: *See*—
Cook, Garrett A., and Aldridge.
Davidson, James R.
Di Maggio, Samuel S., Jr.
Griswold, Augustus W.
Liberatore, Laurence C.
Sanders, Carl W.
Tate, Kenneth L., and Newell.
Thompson, Robert D., and Liberatore.
Wolford, Clyde E.

Taylor, Jack P., Arlington, assignor to The R. H. Bogle Company, Alexandria, Va. Herbicide. 2,589,162, Mar. 11.

Taylor, Jacob B.: *See*—
Rocker, William P., Taylor, and Eldson.

Taylor, James, Saltcoats, and J. Whetstone, West Kilbride, Scotland, assignors to Imperial Chemical Industries, Limited. Producing ammonium nitrate-containing composition. 2,590,054, Mar. 18.

Taylor, James, and A. C. Hutchison, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Gas-producing nondetonating composition. 2,604,391, July 22.

Taylor, James, Saltcoats, and T. Thomson, Kilmarnock, Scotland, assignors to Imperial Chemical Industries Limited. Safety blasting operation and blasting assembly for use therein. 2,609,751, Sept. 9.

Taylor, James E., Boonton, N. J., and J. H. Haslam, Newport, Del., assignors to The Girdler Corporation, Louisville, Ky. Separation of carbon dioxide from gases. 2,592,762, Apr. 15.

Taylor, James L., Manufacturing Company, assignee: *See*—
Burns, Raymond W., and Quick.
Quick, Lloyd.

Taylor, John A., Arlington, and M. A. Knight, Clifton, Va. Electrical indicating device. 2,585,974, Feb. 19.

Taylor, John F., Chicago, Ill., assignor to Ansul Chemical Company, Marinette, Wis. Sponge rubber. 2,602,784, July 8.

Taylor, John L., La Habra Heights, Calif. Support for containers of pastelike substances having fluid pressure means for dispensing said substances. 2,593,362, Apr. 15.

Taylor, John W., Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multivibrator. 2,594,092, Apr. 22.

Taylor, Joseph W.: *See*—
Conner, Ray E., and Taylor.

Taylor, Justin E.: *See*—
Taylor, Edwin W. and J. E.

Taylor, Lenore M., Seattle, Wash. Dental clamp. 2,583,903, Jan. 29.

Taylor, Leonard F., South Darley, near Matlock, and P. W. Wright, Holloway, near Matlock, assignors to H. J. Enthoven & Sons Limited, London, England. Manufacture of lead. 2,615,805, Oct. 28.

Taylor, Marvel E., and H. F. Miller, North Little Rock, Ark. Safety sealing device for refillable containers. 2,613,012, Oct. 7.

Taylor Matthew M., and S. M. Fulton, Spondon, near Derby, England, assignors to British Celanese Limited. Pivoted spindle type shuttle for looms. 2,621,683, Dec. 16.

Taylor, Maurice C., Niagara Falls, N. Y. Electrolytic method. 2,597,545, May 20.

Taylor, McKinley, Iraan, Tex. Piston type differential pressure gauge for rate of flow indicators. 2,590,583, Mar. 25.

Taylor, Merritt I., Richmond, Va. Moisture eliminator for beehives. 2,584,304, Feb. 5.

Taylor, Merritt I., Richmond, Va. Temperature responsive ventilator for beehives. 2,584,305, Feb. 5.

Taylor, Merritt I., Richmond, Va. Reversible summer-winter cover for beehives. 2,599,141, June 3.

Taylor, Merton W., Kennebunk Beach, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Textile drawing roll. 2,584,640, Feb. 5.

Taylor, Merville A., North Hollywood, Calif. Folding bird cage for entertainers. 2,614,838, Oct. 21.

Taylor, Milton C., Chicago, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Driller. 2,581,311, Jan. 1.

Taylor, Owen L., Beaver Falls, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit cathode-ray oscilloscope. 2,586,395, Feb. 19.

Taylor, Paul B., Dayton, Ohio. Radio beacon. 2,609,534, Sept. 2.

Taylor, Paul H.: *See*—
Wales, George F., and Taylor.

Taylor, Paul H., assignor to Wales-Strippit Corportion, North Tonawanda, N. Y. Actuating element for reciprocable machine elements. 2,586,117, Feb. 19.

Taylor, Paul H., assignor to Wales-Strippit Corporation, North Tonawanda, N. Y. Self-energizing past dead center mechanism. 2,621,523, Dec. 16.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Photographic triplet objective. 2,582,362, Jan. 15.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Three-component four-element objective. 2,599,669, June 10.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Symmetrical monocentric achromatized triplet eyepiece lens system. 2,604,012, July 22.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Two-mirroor telescope focusing system. 2,608,129, Aug. 26.

Taylor, Philip L., Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc runner with trap for products of arcing. 2,623,140, Dec. 23.

Taylor, Ralph J., Sr., Salem, Ohio. Photographic composing machine. 2,585,188, Feb. 12.

Taylor, Ray M., Quakertown, Pa. Tensioning means for loom warp beams. 2,586,116, Feb. 19.

Taylor, Ray M., Quakertown, Pa. Tensioning means for loom warp beams. 2,604,121, July 22.

Taylor, Raymond G., Jr., assignor to The Guiberson Corporation, Dallas, Tex. Well swab. 2,581,981, Jan. 8.

Taylor, Raymond G., Jr., and T. B. Losey, assignors to The Guiberson Corporation, Dallas, Tex. Well fluid holding device. 2,609,258, Sept. 2.

Taylor, Raymond L.: *See*—
Haring, Horace E., and Taylor.

Taylor, Raymond L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sea-water battery. 2,590,584, Mar. 25.

Taylor Refiner Company, Inc., assignee: *See*—
Ottersland, Peter N., Rigabar, and Lansing.

Taylor, Reginald: *See*—
Pearce, Owen A., and Taylor.

Taylor, Reginald, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Automatic switch as used in telephone systems. 2,617,887, Nov. 11.

Taylor, Richard E., Sedalia, Mo. Rosin container. 2,585,187, Feb. 12.

Taylor, Richard P. and F. S., Minneapolis, Minn. Educational figure toy device. 2,592,078, Apr. 8.

Taylor, Robert A.: *See*—
Morey, William L., and Taylor.

Taylor, Robert F.: *See*—
Cole, Horace, Green, Le Mare, and Taylor.

Taylor, Robert H.: *See*—
Muskat, Irving E., and Taylor.

Taylor, Robert J., Birmingham, Ala., assignor to The Perfection Mattress & Spring Company. Protective fire resistant covering for mattresses. 2,610,338, Sept. 16.

Taylor, Robert J., Brookhaven, Ga. Spear. 2,607,150, Aug. 19.

Taylor, Robert S., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated uncompacted polyethylene. 2,592,763, Apr. 15.

Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Flash tube igniter for burners at different levels. 2,604,150, July 22.

Taylor, Robert S., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Gas range. 2,611,358, Sept. 23.

Taylor, Robert S., West Chester, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Inhibiting polymerization during preparation of synthetic resin sheets. 2,607,081, Aug. 19.

Taylor, Roland F., Manchester, assignor to A. T. S. Company Limited, London, England. Hollow threaded rivet. 2,612,073, Sept. 30.

Taylor, Rollin W.: *See*—
Thompson, Walter E., Jr., and Taylor.

Taylor, Ronald W.: *See*—
Bowen, Edward G., Taylor, Williams, Brown, and Touch.

Taylor, Seneca W., Iuka, Kans. Funnel support. 2,620,957, Dec. 9.

Taylor, Smith & Taylor Company, The, assignee: *See*—
Bower, James A.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Clifford, Thomas W.
Cook, Gordon H.
Reason, Richard E.
Warmisham, Arthur.

Taylor, Thaddeus A., Lufkin, Tex. Allover bed canopy to administer oxygen. 2,603,214, July 15.

Taylor, Theodore C., assignor to Standard Oil Company, Chicago, Ill. Prevention of erosion in pipe lines. 2,622,937, Dec. 23.

Taylor, Thomas D., University City, Mo., assignor to Columbia Sewing Machine Corporation. Combined sewing and trimming mechanism. 2,621,618, Dec. 16.

Taylor, Wallace E.: *See*—
Robeson, Max O., and Taylor.

Taylor, Walter W., Oakland, Calif. Liquid pump. 2,604,854, July 29.

Taylor, Walter W., Oakland, Calif. Differential pressure responsive control. 2,618,287, Nov. 18.

Taylor, William, Salford, England. Mobile crane. 2,621,803, Dec. 16.
Taylor, William D., Long Beach, Calif. Juice can perforator and spout. 2,618,408, Nov. 18.
Taylor, William D., and E. W. Voegtlin, East Orange, and C. E. Schlosser, Livingston, N. J. Digester for manufacture of fertilizer. 2,611,975, Sept. 30.
Taylor, William H.: *See*—
Schneider, Paul L., Taylor, and Cromwell.
Taylor, William I.: *See*—
Pool, William, and Taylor.
Taylor, William I., and J. W. Grebby, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of fibrous filter media. 2,620,283, Dec. 2.
Taylor, William J., J. H. Worsham, and J. L. Davis, Oakland, Calif. Highway sign. 2,611,203, Sept. 23.
Taylor-Winfield Corporation, The, assignee: *See*—
Blair, Robert H.
Mallett, Edwin A., and Seeloff.
Smith, Clyde E.
Tays, Richard V., Coral Gables, Fla. Pliers for straightening or pulling fish tape. 2,598,146, May 27.
Tchaoussoglou, Alexander, Baden, Germany. Cooling system for internal-combustion engines. 2,606,540, Aug. 12.
Tchelitcheff, Serge: *See*—
Paul, Raymond, and Tchelitcheff.
Tchetchet, Victor C., Great Neck, N. Y. Spaced hull arrangement for sailboats. 2,585,599, Feb. 12.
Tea, Clark A., Detroit, Mich. Auxiliary spring suspension. 2,580,975, Jan. 1.
Teague, Jasper U., Ferguson Park, Newport News, Va. Jet-driven variable pitch propeller. 2,582,893, Jan. 15.
Teague, Peyton C.: *See*—
Carhart, Homer W., and Teague.
Teague, Walter D., assignee: *See*—
Ivins, Barbara, and Peltz.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure-regulating valve. 2,600,137, June 10.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Turbine apparatus driven by either of two unrelated sources of air pressure. 2,612,757, Oct. 7.
Teague, Walter D., Annandale, N. J., G. M. Peltz, Kew Gardens, and M. Immermann, Piermont, N. Y., assignors to Shellmar Products Corporation, Chicago, Ill. Nursing unit. 2,604,222, July 22.
Teahen, James M., assignee: *See*—
Goetz, Harry F.
Teal, Eric F.: *See*—
Baines, Harry, Davey, and Teal.
Teal, Gordon K.: *See*—
Dienel, Hans F., and Teal.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Increasing number of holes in apertured metal screens. 2,596,617, May 13.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of two-sided mosaic screens. 2,598,317, May 27.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thickening relatively thin apertured metallic screens. 2,598,318, May 27.
Teale, Harold A., Brooklyn, assignor to G. B. Finnegan, Jr., trustee, New York, N. Y. Filter press plate. 2,594,518, Apr. 29.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping mechanism for centralized lubricating systems. 2,585,189, Feb. 12.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Control apparatus for centralized lubricating systems. 2,597,137, May 20.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Centralized lubricating system. 2,612,237, Sept. 30.
Tear, James D.: *See*—
Poltras, Edward J., and Tear.
Teas, Jean P., Hudson, Ohio, assignor to Union Carbide and Carbon Corporation. Primary galvanic cell. 2,605,299, July 29.
Teason, Adam G., Kansas City, Mo. Automobile parking and storage mechanism. 2,619,240, Nov. 25.
Tebbe, A. T., assignee: *See*—
Husted, Harry A.
Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.
Tecalemit, Societe Anonyme, assignee: *See*—
Billon, Marcel M. M.
Technical Alliance, Inc., assignee: *See*—
Fischler, Paul E.
Fischler, Paul E., and Thut.
Technical Appliance Corporation, assignee: *See*—
Lippitt, Kendrick H.
Technical Assets, Inc., assignee: *See*—
Chilowsky, Constantin.
Technical Coatings, Inc., assignee: *See*—
Snow, Floyd E.
Technical Glass Company, assignee: *See*—
Netschert, Franz.
Technical Oil Tool Corporation, Ltd., assignee: *See*—
Suter, Oswald.
Technicolor Motion Picture Corporation, assignee: *See*—
Andreas, John M.
Bennes, Charles D.
Clark, Lauriston E.
Geer, Charles W.
Griffith, Everette E., and Clark.
Gunn, Frank G.
Pohl, Wadsworth E.
Prentice, Leland B.
Technicon Cardiograph Corporation, assignee: *See*—
Lukacs, Joseph.
Technicon Chemical Company, Inc., assignee: *See*—
Ferrari, Andrés, Jr.
Technicon Chromatography Corporation, assignee: *See*—
Gorham, George.
Technicon Company, The, assignee: *See*—
Kling, Nelson G.
Technicon International, Ltd., assignee: *See*—
Weiskopf, Edwin C.
Technitrol Engineering Company, Inc., assignee: *See*—
Sharpless, Thomas K., and Eichert.
Technology Instrument Corporation, assignee: *See*—
Burgess, Lauren M.
Packard, Lucius E., and Scott.
Searle, Raymond W., and Burgess.
Tecnica Industrial y Commercial Sociedad Anonima Tecosa, assignee: *See*—
Fabia, Manuel A. G., and Clausen.
Tecumseh Products Company, assignee: *See*—
Fosbender, Carl R.
Tedeschi, Emilio L., New York, N. Y. Emergency portable light. 2,589,747, Mar. 18.
Tedesco, John T., Bronx, N. Y. Interrupted thread type slidable jaw wrench. 2,597,403, May 20.
Tedman, Donald, South Kensington, London, England. Apparatus for the separation of particles. 2,620,925, Dec. 9.
Teegarden, Otto V., Goshen, Ind. Tire handling stand with movable clamping arbor. 2,598,946, June 3.
Teegen, Hermann, Gunde, assignor to Lohmann-Werke A. G., Bielfeld, Germany. Internal-combustion engine. 2,583,499, Jan. 22.
Teegen, Hermann, Bielefeld, Germany. Two-cycle crankcase compression engine. 2,618,249, Nov. 18.
Teepack Spezialmaschinen G m. b. H., assignee: *See*—
Rambold, Aldolf G. F.
Teepell, Edward A., Philadelphia, Pa. Tamperproof valve cap. 2,597,546, May 20.
Teeter, Byron B., deceased, Brooklyn, N. Y.; E. T. Teeter, executrix. Vehicle body. 2,585,976, Feb. 19.
Teeter, Elsie T., executrix: *See*—
Teeter, Byron B.
Teeter, Ford C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,621,158, Dec. 9.
Teeter, Ford C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Compositions of matter from sulfur chlorides, bicyclic terpenes, phosphorus sulfides, and alkylated phenols or alcohols. 2,621,172, Dec. 9.
Teeter, Howard M.: *See*—
Cowan, John C., and Teeter.
Woods, Lyle C., and Teeter.
Teeter, Howard M., Peoria, Ill., assignor to United States of America as represented by the Secretary of Agriculture. Preparation of drying oils. 2,598,729, June 3.
Teetor, Ralph R., Hagerstown, Ind., assignor to Perfect Circle Corporation. Work holder for cylindrical articles. 2,593,936, Apr. 22.
Teetor, Ralph R., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring. 2,606,800, Aug. 12.
Teetor, Ralph R., assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling tool for internal cylindrical surfaces. 2,618,182, Nov. 18.
Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,618,239, Nov. 18.
Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,620,773, Dec. 9.
Tegarty, John B., Buffalo, N. Y., assignor to J. W. Macklin, Cleveland, Ohio, as trustee. Combined closure and dispensing applicator for collapsible tubes. 2,589,206, Mar. 11.
Tegarty, John B., Mentor, assignor to T. R. Zettelmeyer, Willoughby, Ohio, as trustee. Plastic clothespin. 2,591,477, Apr. 1.
Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Easily processed polymeric compounds and making same. 2,610,163, Sept. 9.
Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Pigmented silicone elastomers. 2,610,167, Sept. 9.
Teich, Curt, & Company, assignee: *See*—
Teich, Walter E.
Teichert, A., & Son, Inc., assignee: *See*—
Williamson, Crawford A.
Telander, Norman W., Minneapolis, Minn. Powder dispenser. 2,605,934, Aug. 5.
Teledetector, Inc., assignee: *See*—
McKee, Chester W. and R. W.
Teledex, Inc., assignee: *See*—
Mayo, Edward L.

Teleflex Incorporated, assignee: *See*—
Bruose, William H. D.
Telefon Fabrik Automatic A/S, assignee: *See*—
Ungar, Ernest.
Telefonaktiebolaget L M Ericsson, assignee: *See*—
Backmark, Nils E. G.
Emanuelsson, Gunnar G.
Ericsson, Eric A., and Jörgensen.
Ericsson, Eric A., and Wiberg.
Hasselbohm, Sune S. S.
Iljertstrand, Svante L.
Holmqvist, Seth A.
Hullegård, Erik W.
Johnson, Karl G.
Johnson, Karl G., and Hofstrand.
Jörgensen, Anders Ossian.
Jörgensen, Anders O., and Ingre.
Käell, Knut, and Hullegård.
Karlsson, Sture E., and Skog.
Lindström, Dag V. L., and Jedvall.
Telegraph Construction and Maintenance Company Limited, assignee: *See*—
Mildner, Raymond C.
Tele King Corporation, assignee: *See*—
Morris, Myron J.
Telenik, Eugene, New York, N. Y. Bobsled. 2,619,358, Nov. 25.
Telephone Manufacturing Company Limited, assignee: *See*—
Harrison, Kenneth W.
Telephonics Corporation, assignee: *See*—
Weideman, William T.
Teleregister Corporation, The, assignee: *See*—
Bumstead, Ralph W.
Bush, George L.
Connolly, John J.
Kamm, Lawrence J.
Marshall, Joseph C., and Connolly.
May, Harold F.
Schmidt, Edwin L.
Telescope Folding Furniture Co., Inc., The, assignee: *See*—
Vanderminden, Alfred F.
Tele-Tone Radio Corporation, assignee: *See*—
Ostreicher, Warren J.
Teletronics Laboratory, Inc., assignee: *See*—
Richards, George F.
Teletype Corporation, assignee: *See*—
Halvorsen, Ralph H.
Hansen, Theodore A.
Keyes, George G., and Sim.
Lake, Ross A.
Potts, Louis M.
Przyslecki, Theodore I.
Schuler, Reginald G.
Slayton, Ransom D.
Zenner, Walter J.
Telex Inc., assignee: *See*—
Gilbert, Russell C.
Telkes, Maria, Boston, Mass. Radiant energy heat transfer device. 2,595,905, May 6.
Telkor, Inc., assignee: *See*—
Roe, William C.
Tellander, Carl Y., Nykoping, assignor to Aktiebolaget Moderna Kök, Stockholm, Sweden. Pressure type boiler or cooker. 2,620,088, Dec. 2.
Tellbuescher, Elmo, assignee: *See*—
Hibbard, Roger W.
Teller, William R., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Furnace heat exchanger. 2,586,118, Feb. 19.
Telles, Vincent, Brooklyn, assignor of one-half to P. Aloi and R. G. Romano, Kings County, N. Y. Belt buckle. 2,607,975, Aug. 26.
Tellier, Edgar H., Milwaukee, Wis. Fluorescent lamp bulb breaking device. 2,620,988, Dec. 9.
Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Reflex superregenerative receiver. 2,589,455, Mar. 18.
Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Angle modulated signal demodulator system. 2,598,084, May 27.
Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Superregenerative detector. 2,614,216, Oct. 14.
Tellier, Joseph C., Penn Wynne, and A. R. Alter, assignors to Philco Corporation, Philadelphia, Pa. Frequency modulation detector. 2,586,119, Feb. 19.
Temko, Richard S.: *See*—
Simon, Justin, and Temko.
Temperley, John, assignor to Walmsleys (Bury) Limited, Bury, England. Liquid level control means. 2,595,731, May 6.
Temple, Ernest E.: *See*—
Temple, Robert and E. E., and Giebel.
Temple, Harold F., Elmont, assignor to Victor Industries Corporation, Brooklyn, N. Y. Tube trimming and piercing machine. 2,583,521, Jan. 22.
Temple, Hiram E., San Gabriel, Calif., assignor to Read Standard Corporation. Selective article spacing apparatus for conveyers. 2,595,022, Apr. 29.
Temple, Lemuel M., Scarsdale, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass. Combination radio receiver and hearing aid. 2,618,707, Nov. 18.
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Valve mechanism. 2,619,104, Nov. 25.
Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated bonding tool. 2,590,585, Mar. 25.
Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated mine roof bolt anchor. 2,618,192, Nov. 18.
Temple, Robert, Swissvale, E. E. Temple, Murraysville, and J. L. Giebel, Pittsburgh, Pa., assignors to Temple Velocity Equipment, Inc., Wilmington, Del. Spring fired explosively actuated tool. 2,622,243, Dec. 23.
Temple, Robert B., and E. M. Spohn, Grosse Pointe, Mich., assignors to The Budd Company, Philadelphia, Pa. Hitch for tractor drawn implements. 2,619,019, Nov. 25.
Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.
Temple, Robert, E. E., and Giebel.
Templeman, Basil E., and H. M. Recker, Quincy, Ill. Electronically controlled advertising device. 2,595,993, May 6.
Templeman, John F.: *See*—
Neth, Frederick G., and Templeman.
Templeman, Thomas M., Miami Springs, Fla., assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure warning device. 2,623,940, Dec. 30.
Templeton, James O., Jr., Winchester, Tenn. Horizontally swinging bracket supported seat. 2,586,120, Feb. 19.
Templeton, John A., Hollis, Okla. Fuel supply system. 2,596,736, May 13.
Templeton, John B., Dallas, Tex. Roadway load hanger. 2,611,943, Sept. 30.
Templeton, John B., Dallas, Tex. Sprinkling system for lawns and the like. 2,622,925, Dec. 23.
Tempret Products, Inc., assignee: *See*—
Westerberg, Oliver D., and Englehardt.
Temprite Products Corporation, assignee: *See*—
Fischer, Harry C.
Temte, Glenn H., Minneapolis, Minn. Jet-propelled airplane. 2,580,484, Jan. 1.
Ten Brink, Karl C., Houston, Tex., assignor to The Texas Company, New York, N. Y. Reverse wetting, subsurface formation. 2,606,871, Aug. 12.
Ten Broeck, Theodore R.: *See*—
Mallory, Gerald D., and Ten Broeck.
Ten Broeck, Walter T. L.: *See*—
Rogers, Thomas H., Jr., and Ten Broeck.
Ten Cate, Arthur C., Downers Grove, assignor to Oak Mfg. Co., Chicago, Ill. Phonograph. 2,594,246, Apr. 22.
Ten Cate, Arthur C., Downers Grove, assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,607,596, Aug. 19.
Tendick, Frank H., Grosse Pointe Park, assignor to Parke, Davis & Company, Detroit, Mich. Purification of epinephrine. 2,602,818, July 8.
Tener, Graydon B., Edgeworth, Pa., and C. D. Hasen, Wheeling, W. Va., assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Weld bead trimmer. 2,608,138, Aug. 26.
Tenerowicz, Frank A., and L. Bortolotti, Lackawanna, N. Y. Handgrip wrench with a lever and cam feed sliding jaw. 2,613,567, Oct. 14.
Tenety, Helen M., executrix: *See*—
Tenety, Vincent J.
Tenety, Vincent J., deceased, Jersey City, N. J.; H. M. Tenety, executrix. Machine for transfer printing on circular objects. 2,615,388, Oct. 28.
Ten Eyck, Richard E., Wichita, Kans. Two-deck trailer. 2,589,894, Mar. 18.
Ten Hoeve, Edward: *See*—
Ten Hoeve, Marinus and E., and De Korte.
Ten Hoeve, Marinus, Fairlawn, E. Ten Hoeve, North Haledon, and P. De Korte, Fairlawn, N. J. Display. 2,608,011, Aug. 26.
Tennessee Corporation, assignee: *See*—
Bellinger, Burdette W.
Owens, Robert J.
Warinner, Warren D., and Conroy.
Winter, Ernest A.
Tennessee Valley Authority, assignee: *See*—
Elmore, Kelly L.
Hall, Roland A.
Miller, Philip.
Schultz, John F.
Stout, Edgar L., Scott, and Stinson.
Tenney, William L.: *See*—
Black, Leroy E., Marks, and Tenney.
Tenney, William L., Crystal Bay, Minn. Model jet airplane. 2,612,722, Oct. 7.
Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev.; said Marks assignor to said Tenney. Rotary pulse jet engine with resonant combustion chamber and tangentially disposed exhaust tubes. 2,599,209, June 3.
Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev., said Marks assignor to said Tenney. Resonating pulse jet engine. 2,609,660, Sept. 9.
Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev.; said Marks assignor to said Tenney. Pulse jet mount. 2,612,748, Oct. 7.

Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev.; said Marks assignor to said Tenney. Resonant pulse jet device with restricted flow passage. 2,612,749, Oct. 7.

Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev.; said Marks assignor to said Tenney. Air screw, including a resonant pulse jet stream. 2,612,955, Oct. 7.

Tennis, Robert J., Carrollton, Va. Oyster tongs. 2,603,526, July 15.

Teopilian, Aram, Brooklyn, N. Y. Hair curler. 2,592,764, Apr. 15.

Teot, Arthur S., assignor to The Dow Chemical Company, Midland, Mich. Production of oil soluble phenolic resins. 2,602,076, July 1.

Teplanszki, George J.: *See*—
Spector, Sam, and Teplanszki.

Teplitz, Abraham J.: *See*—
Crisman, Orvil W., and Teplitz.

Teplitz, Alfred, Pittsburgh, Pa., assignor to United States Steel Company. Universal coupling for rolling-mill spindles. 2,610,488, Sept. 16.

Tercé, Paul J. J., Paris, France. Constant torque gas turbine with counterrotating elements and speed controlled fuel and air supply. 2,616,253, Nov. 4.

Terdina, Frank, near Seattle, assignor to Boeing Airplane Company, Seattle, Wash. Ball-bearing screw restraining mechanism. 2,623,403, Dec. 30.

Terdina, Frank, and M. F. Muzzy, assignors to Boeing Airplane Company, Seattle, Wash. Aircraft control mechanism. 2,621,872, Dec. 16.

Terho, Mauno A.: *See*—
Terho, Mikko J. and M. A.

Terho, Mikko J. and M. A., Raisio as., Finland. Loading and unloading device for motor trucks. 2,621,819, Dec. 16.

Terhune, Frank A., Natick, Mass., assignor to General Motors Corporation, Detroit, Mich. Conveyer drive control. 2,609,085, Sept. 2.

Terhune, Vernon B., assignor to Electric Trolley Pole Company, Atlanta, Ga. Trolley pole. 2,588,590, Mar. 11.

Terlizzi, Marion E., Huntington, W. Va., assignor of forty-five percent to G. Billy, McKeesport, Pa. Specimen receptacle. 2,603,795, July 22.

Ter Meer, Herman and William W. Peterson, assignors to National Brass Company, Grand Rapids, Mich. Finger release latch. 2,588,307, Mar. 4.

Terminal Packaging Company, assignee: *See*—
Caron, Louis D., Jr., and Hoenecke.

Terminal Warehouse Company, assignee: *See*—
Dickson, Benjamin A.

Terminal Island Sea Foods, Ltd., assignee: *See*—
Shaw, Paul A.

Ternes, Raymond F., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Apparatus for manufacturing inner tubes. 2,613,392, Oct. 14.

Terpstra, Johannes, Geleen, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Apparatus for continuously determining the electrical conductivity of a liquid. 2,616,950, Nov. 4.

Terrallion, Paul, Revigny, France. Household styled scale or weighing machine with cursor index weights. 2,610,051, Sept. 9.

Terre, Victor J., New York, N. Y. Combined mouth speculum and tongue support. 2,587,245, Feb. 26.

Terre Hill Machine Co. Inc., assignee: *See*—
Matthews, Charles, and Wenger.

Terrell, Charles F., Jr., Newark, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Liquid feeding apparatus. 2,582,802, Jan. 15.

Terrell, Hayes W., Sacramento, Calif. Sectional top folding wall table. 2,580,618, Jan. 1.

Terrell Machine Company, The, assignee: *See*—
Wilson, James C., and Ferguson.

Terrell Manufacturing Company, Inc., assignee: *See*—
Nealy, William G.

Terrey, Robert J., Allentown, Pa., assignor to General Electric Company. Guide bearing and shaft. 2,582,084, Jan. 8.

Terrill, Delmer D., Bangor, Maine, deceased; G. F. Eaton and The Merrill Trust Company, Bangor, Maine, executors of said D. D. Terrill. Tensioning means for bow saw frame. 2,613,709, Oct. 14.

Terry, Clarence, United States Air Force. Rifle stock cartridge case. 2,605,033, July 29.

Terry, Clifford R., San Diego, Calif. Lathe chuck support. 2,584,169, Feb. 5.

Terry, David E., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Improvement of color and color stability of saturated fatty acids. 2,583,028, Jan. 22.

Terry, Frank V., El Cerrito, Calif. Cigarette ash tray. 2,604,100, July 22.

Terry, George C., Garden City, assignor to Kamkap, Inc., New York, N. Y. Collapsible carriage. 2,623,755, Dec. 30.

Terry, Herbert: *See*—
Schoenholz, Daniel, and Terry.

Terry, Irl W., Manteca, Calif. Front end implement mount for tractors. 2,581,731, Jan. 8.

Terry, Jack E., North Royalton, assignor, by mesne assignments, to The Bingham-Herbrand Corporation, Toledo, Ohio. Pneumatic hammer. 2,585,975, Feb. 19.

Terry, Jack E., North Royalton, assignor, by mesne assignments, to Superior Pneumatic & Manufacturing, Inc., Garfield Heights, Ohio. Throttle valve for pneumatic tools. 2,612,342, Sept. 30.

Terry, Lila G., Valparaiso, Ind. Manicuring device. 2,581,982, Jan. 8.

Terry, Payton A., Bristol, Va. Press sealing head for wrapping and sealing edibles. 2,613,489, Oct. 14.

Terry, Sydney L., St. Clair Shores, assignor to Chrysler Corporation, Highland Park, Mich. Lock washer. 2,581,217, Jan. 1.

Terry, Sydney L., St. Clair Shores, assignor to Chrysler Corporation, Highland Park, Mich. Differential bearing arrangement. 2,588,670, Mar. 11.

Terry, Victor J., T. F. S. Hargreaves, and H. T. Prior, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Carrier telegraph system. 2,613,272, Oct. 7.

Teruya, Jenshiro and K., New York, N. Y. Combination storm window and screen. 2,617,158, Nov. 11.

Teruya, Kosei: *See*—
Teruya, Jenshiro and K.

Terwelp, Edward J., Davenport, Iowa, and T. A. Waggett, Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y. Steam heated head for garment presses. 2,616,194, Nov. 4.

Terwilleger, Clarence F., Seattle, Wash. Pressure fluid servomotor and valve system therefor. 2,582,570, Jan. 15.

Tesar, Adolph O.: *See*—
King, Burnham W., Jr., and Tesar.

Tesch, Ernest A., Jr., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill. Cap feeding mechanism. 2,600,138, June 10.

Tesch, Ernest A., Jr., assignor to Phoenix Metal Cap Co. Inc., Chicago, Ill. Cap transfer mechanism for drying ovens. 2,609,106, Sept. 2.

Tesch, Ernest A., Jr., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill. Jar lid removing mechanism for drying ovens. 2,609,110, Sept. 2.

Teschel, George R., Vienna, W. Va., and W. R. Teschel, Marietta, Ohio. Marble shooter. 2,601,070, June 17.

Teschel, William R., assignee: *See*—
Teschel, George R. and W. R.

Tescher Corporation, assignee: *See*—
Tescher, Gordon L.

Tescher, Gordon L., assignor to Tescher Corporation, Anderson, Ind. Fuel feeding system. 2,598,147, May 27.

Teske, Lavern J., Hamburg, Wis. Pressure compounding device for hydraulic systems. 2,597,404, May 20.

Tesla, National Corporation, assignee: *See*—
Carniol, Bohdan.
Podskalsky, Emil.
Spacek, Antonin.

Tess, Albert C., Ramsey, N. J., assignor to Edward Ermold Company, New York, N. Y. Label and foil wiping apparatus. 2,601,934, July 1.

Tess, Roy W. H., Orinda, R. H. Jakob, San Francisco, and T. F. Bradley, Orinda, assignors to Shell Development Company, Emeryville, Calif. Styrenated products. 2,596,737, May 13.

Tess, Roy W. H., and T. F. Mika, Orinda, assignors to Shell Development Company, San Francisco, Calif. Modified alkyd resins and compositions containing the same. 2,618,616, Nov. 18.

Tessmar, Klaus, assignor to Röhm & Haas G. m. b. H., Darmstadt, Germany. Solvents, swelling agents and/or plasticizers for polymers and mixed polymers of acrylic nitril. 2,618,623, Nov. 18.

Tessmer, Gordon H., and W. V. Erickson, Minneapolis, Minn. Tackle box with revolving receptacle. 2,603,549, July 15.

Tessmer, Raymond G.: *See*—
Howland, Eugene H., and Tessmer.

Test, Meyer J.: *See*—
Krasnow, Shelley, and Test.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade containing and dispensing device. 2,581,332, Jan. 1.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,592,488, Apr. 8.

Testi, Nicholas, Boston, Mass., assignor to The Gillette Company. Blade magazine for safety razors. 2,611,176, Sept. 23.

Testi, Nicholas, assignor to The Gillette Company, Boston, Mass. Blade-dispensing magazine. 2,613,806, Oct. 14.

Testi, Nicholas, Boston, Mass., assignor to The Gillette Company. Safety razor. 2,616,171, Nov. 4.

Testino, Domenick J., Brooklyn, N. Y. Lighted yo-yo. 2,623,327, Dec. 30.

Teston, Rebecca O., Glenbrook, Conn. Shaker for salt and similar hygroscopic substances. 2,604,235, July 22.

Te Strake, Lambertus, Deurne, Villa Gelria, Netherlands. Yarn brake. 2,615,656, Oct. 28.

Te Strake, Lambertus, Deurne, Netherlands. Device for confining the thread balloon of paying-off bobbins. 2,620,998, Dec. 9.

Teter, John W.: *See*—
Bauer, Oscar W., and Teter.
Wayo, Stephen J., Teter, and Shand.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Separation of carbon monoxide from gaseous mixtures. 2,583,239, Jan. 22.

Teter, John W., Chicago, and E. W. Shand, Homewood, Ill., assignors to Sinclair Refining Company, New York, N. Y. Separation of propene and propane by extractive distillation. 2,588,056, Mar. 4.

Teter, John W., Chicago, Ill., and J. W. Nelson, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Grease composition. 2,590,801, Mar. 25.

Teter, John W., and L. E. Olson, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Reacting ammonia and olefins. 2,623,061, Dec. 23.

Teti, John: *See*—
Conta, Lewis D., and Teti.

Teti, John, Plainfield, N. J., assignor to Air Reduction Company, Incorporated. Gas mixer. 2,618,540, Nov. 18.

Teubner, Edmund E., Upper Darby, assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Spacing mechanism for slide fastener machines. 2,588,177, Mar. 4.

Teufel, George, Portland, Oreg. Protector for shipping cut flowers. 2,602,543, July 8.

Teunissen, Hendrik A.: *See*—
Witsenburg, Emilius C., and Teunissen.

Tevis, Hugh, assignee: *See*—
Janser, Arthur M. J., and Townsend.

Te Winkel, Jan: *See*—
Six, Willem, Beijers, and te Winkel.

Tewksbury, Norman L.: *See*—
Rodman, Clarke A., and Tewksbury.

Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.
Kiersted, Wynkoop, Jr., and Gross.
Rosenstein, Ludwig.
Schneider, Benjamin B.
Weiss, Walter J.

Texas Company, The, assignee: *See*—
Agnew, Robert J.
Arnold, George B., Hess, and Skelton.
Arnold, George B., and Kovach.
Atwell, Harold V.
Barber, Everett M.
Bond, Donald H.
Bruner, Frank H., Hess, and Arnold.
Clark, William A.
Clarke, John T.
Coghlan, Charles A.
Dickens, Samuel P., Coghlan, and Morrow.
Eastman, Du Bois.
Eastman, Du Bois, Barber, and Reynolds.
Eastman, Du Bois, and Gaucher.
Eckert, George W.
Glassmire, William F., and Smith.
Halloran, Ben E.
Herzog, Gerhard.
Hess, Howard V., and Arnold.
Hess, Howard V., Arnold, and Drabkin.
Hess, Howard V., Arnold, and Truitt.
Hutcheson, John W.
Jacoley, Leon, and Gaucher.
Jones, James M., and Stranahan.
Keating, Patrick J., Jr.
Knowles, Edwin C., Puryear and Eckert.
Kreuz, Kenneth L.
Lee, Burton D., and Herzog.
Lenz, William C.
Lobban, Fred P.
Lord, Arthur H., Jr., and Pancake.
Malin, Jay B.
McCleary, Rush F., and Devaney.
McKellin, Wilbur H., and Bordwell.
McMillan, Wallace A.
Moore, Frank J., Hess, and Gould.
Nelson, Roy F., Deutser, and Hefty.
Nestle, Alfred C.
Oosterhout, Johan C. D., and Roddy.
Pevere, Ernest F., and Arnold.
Sanderson, Robert T.
Scott, David H.
Siegert, Arnold J. F.
Simon, Richard M.
Skelton, William E., Gorman, Kirsch and Overbaugh.
Ten Brink, Karl C.
Tierney, William T., Jr., and Davis.
Villforth, Frederick J., Jr.
Watson, Claude W.
Wolf, Alexander.

Texas Foundries, Inc., assignee: *See*—
Klein, John O.
Yeoman, Ray C.

Texas Instruments Incorporated, assignee: *See*—
Babb, John J., and Smith.

Tex Tan of Yoakum, assignee: *See*—
Tolbert, Arthur A.

Textile and Chemical Research Company Limited, assignee: *See*—
Drisch, Nicolas.
Drisch, Nicolas, and Brepson.
Drisch, Nicolas, and Herrbach.
Drisch, Nicolas, and Petiton.
Flori, Joseph, and Thomas.
Joris, Gaston.
Roatta, Edouard, and Peyssonneaux.

Textile Engineering Corporation, assignee: *See*—
Cotchett, Louis M.

Textile Machine Works, assignee: *See*—
Fegley, Charles R.
Haehnel, Herbert E.
Jeffrey, Montroy.
Pingel, Henry C.
Reading, Alpheus E., Jr.

Textile Trimming & Boarding Machine Company, assignee: *See*—
Stout, Harold E.

Tey, Alberto M.: *See*—
Medina, Francisco S., and A. M. and L. M. Tey.

Tey, Luis M.: *See*—
Medina, Francisco S., and A. M. and L. M. Tey.

Tey Manufacturing Corporation, assignee: *See*—
Pierce, Wayne M., Jr.

Thacker, Ned A., and D. S. Threlkeld, assignors to The National Cash Register Company, Dayton, Ohio. Applying an ornamental and protective crackle coating to a base. 2,612,456, Sept. 30.

Thacker, Ralph S.: *See*—
Evans, William M., and Thacker.

Thad, Theodore D., Cook County, Ill., assignor to M. Weintraub, Newport, Ky. Magnetic recorder. 2,615,989, Oct. 28.

Thaete, Max W., Jefferson County, Colo. Applicator for ligatures. 2,619,964, Dec. 2.

Thalman, Otto, Chevy Chase, Md. Bicycle kick stand. 2,587,790. Mar. 4.

Thalmann, Alfred, assignor to Starrfras-maschinen A. G., Rorschacherberg, Switzerland. Device for the fully automatic machining of surfaces of leaflike works. 2,593,363, Apr. 15.

Thalner, Robert R., Buffalo, N. Y., assignor to Sylvania Electric Products Inc. Scanning system for cathode-ray tubes. 2,612,622, Sept. 30.

Thalner, Robert R., Buffalo, N. Y., assignor to Sylvania Electric Products Inc. Unsymmetrical deflection yoke. 2,616,056, Oct. 28.

Thames, Bonnie W., assignor to Bateman Co., Inc., Macon, Ga. Turning machine. 2,605,883, Aug. 5.

Thames, James D., assignee: *See*—
Byrd, Walter A.

Thaning, Otto, Elkenhof, Transvaal, Union of South Africa. Shelling nuts. 2,601,421, June 24.

Tharp, Alva W.: *See*—
Smith, William M., Freeberg, and Tharp.

Tharpe, Rollin B., Garrett, and H. A. McAninch, Auburn, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Reduction gear unit. 2,605,645, Aug. 5.

't Hart, Marius: *See*—
Van 't Spijker, Peter, and 't Hart.

Thatch, John W., Wilmington, assignor to Regan Forge and Engineering Company, San Pedro, Calif. Casing head. 2,617,485, Nov. 11.

Thatcher, Charles J., New York, N. Y. Air conditioning unit and expansion motor therefor. 2,582,297, Jan. 15.

Thatcher Glass Manufacturing Company, Inc., assignee: *See*—
Powers, Whitney S., Jr.

Thatcher, Lewis E.: *See*—
Weaver, Ruth K., and Thatcher.

Thaw, Wallace M.: *See*—
Stewart, Harold R., and Thaw.

Thaw, Wallace M., San Pablo, and H. R. Stewart, Point Reyes Station, assignors to California Research Corporation, San Francisco, Calif. Production of lubricating oil from wax. 2,597,910, May 27.

Thaxton, James B., assignor to Paper Package Company, Indianapolis, Ind. Box partition forming and inserting machine. 2,623,442, Dec. 30.

Thayer Company, assignee: *See*—
Reese, John.

Thayer, Jean M., G. Swift, and R. E. Fearon, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron well logging. 2,583,904, Jan. 29.

Thayer, Jean M., G. Swift, and R. E. Fearon, assignors to Well Surveys, Incorporated, Tulsa, Okla. Neutron well logging. 2,583,976, Jan. 29.

Thayer, Paul M.: *See*—
Morgan, Philip F., Tapleshay, and Thayer.

Thayer, Robert H.: *See*—
Metzler, Silas J., and Thayer.

Thayer, Russell M., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Process of and apparatus for metering a liquefied gas. 2,610,471, Sept. 16.

Thearle, Ernest L., Palo Alto, Calif. Dynamically balanced rotor. 2,584,942, Feb. 5.

Theblay, Art, Eagle Grove, Iowa. Blade and tooth structure for excavating buckets. 2,617,210, Nov. 11.

Theich, Walter E., Chicago, Ill., assignor to Curt Teich & Company. Display device. 2,621,429, Dec. 16.

Thelle, Richard, assignor to Cathodeon Limited, Cambridge, England. Television pickup tube. 2,622,226, Dec. 16.

Theillaumas, Clement M., Seine, France, assignor to International Standard Electric Corporation, New York, N. Y. Electronic stop circuit for switches. 2,581,457, Jan. 8.

Thein, John W., St. Paul, Minn. Trammel. 2,608,766, Sept. 2.

Theis, Irene H., Denver, Colo. Mold for forming plaques. 2,611,170, Sept. 23.

Theisen, Andrew A., Brainerd, Minn. Lighter for pot-type oil burners. 2,604,922, July 29.

Theisen, John P.: *See*—
Farr, Edward A., and Theisen.

Theisen, John P., Columbus, Ind., assignor to Arvin Industries, Inc. Electric fan and heater. 2,583,754, Jan. 29.

Theisen, Leonard, assignor of twenty-five percent to R. Jackson, Detroit, Mich. Remote controlled vehicle headlight adjuster. 2,605,388, July 29.

Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch with spring supported pressure plate. 2,589,308, Mar. 18.

Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch plate. 2,597,911, May 27.

Theiin, George W., Newton, Mass. Toy washing machine. 2,615,280, Oct. 28.

Theobald, Clement W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylenically unsaturated compounds. 2,584,306, Feb. 5.

Thermo Projects, Inc., assignee: *See*—
Letvin, Samuel, and Haynes.

Thermomatic (Engineers) Limited, assignee: *See*—
Morton, Frederick S.

Thermopiex International, Inc., assignee: *See*—
Kirman, Alexander O.

Thermoray Corporation, assignee: *See*—
Boecher, Walter, Jr., and Harris.

Thermo-Snack Inc., assignee: *See*—
Stofel, Ernest H.

Théry, Constant A. L., assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Device for superfinishing machined surfaces. 2,606,410, Aug. 12.

Theuerer, Henry C.: *See*—
Scaff, Jack H., and Theuerer.

Thévenaz, Jean, Yverdon, assignor to Paillard S. A., Sainte Croix, Switzerland. Mechanism for the intermittent driving of cinematographic films. 2,587,548, Feb. 26.

Thévenaz, Jean, Yverdon, Switzerland, assignor to Paillard S. A. Device for driving a film in a multifilm cinematographic projector. 2,601,181, June 17.

Thévenaz, Jean, Yverdon, assignor to Paillard S. A., Sainte-Croix, Switzerland. Mechanism for the intermittent driving of cinematographic films. 2,612,816, Oct. 7.

Thévenaz, Louis: *See*—
Nicole, Amédée, and Thévenaz.

Thew Shovel Company, The, assignee: *See*—
Zellman, Roy H., and Sheetz.

Thexton Manufacturing Company, assignee: *See*—
Worel, Glen J.

Thias, Edwin P., Los Angeles, Calif., assignor to Standard Coil Products Co., Inc., Chicago, Ill. Fine tuner for turret type tuners. 2,620,378, Dec. 2.

Thibaudat, Albert, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Circuit breaker operating system. 2,594,247, Apr. 22.

Thiel, Arthur E., Dinuba, Calif. Serving table with rotatable center. 2,591,215, Apr. 1.

Thiele, Berthold R., Ripon, Wis., assignor to Speed Queen Corporation. Carpet sweeper with brush pressure control means. 2,602,175, July 8.

Thiele, Ernest W.: *See*—
Shankland, Rodney V., Shields, and Thiele.

Thielen, Mary M., Scarsdale, N. Y. Combined television camera and prompter. 2,598,947, June 3.

Thielens, Wagner P., Tuscaloosa, Ala., assignor to Gulf States Paper Corporation. Method and apparatus for packaging paperbags and the like. 2,612,737, Oct. 7.

Thielman, Jean W., Pittsburgh, Pa. Adjustable garment. 2,588,453, Mar. 11.

Thiem, Clarence C., Markesan, Wis. Clutch release attachment for tractors. 2,596,618, May 13.

Thiem, John C., Sr. Newport, Ky. High-visibility traffic signal. 2,616,957, Nov. 4.

Thiemann, Hugo, assignor to Gesellschaft zur Forderung der Forschung an der E.T.H., Zurich, Zurich, Switzerland. Electrodynamic bifilar oscillograph for noiseless sound recording on films. 2,585,190, Feb. 12.

Thiene, Carl G., Pasadena, and R. S. Avery, South Pasadena, assignors to Adhesive Development Co., Monrovia, Calif. Label dispenser. 2,602,719, July 8.

Thierfelder, Emil F.: *See*—
Roggenstein, Edwin O., and Thierfelder.

Thierfelder, Emil F., Springdale, Conn., assignor to Remington Rand Inc., New York, N. Y. Stepping switch. 2,600,938, June 17.

Thierry, John A., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Tractor implement supporting cradle. 2,593,500, Apr. 22.

Thierry, John A., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Swivel for bulldozer blades. 2,601,732, July 1.

Thilén, Leif G. L., Nissafors, Sweden. Paper parachute. 2,601,343, June 24.

Thilmany Pulp and Paper Company, assignee: *See*—
Balsch, Stephen J., and Lee.

Thiokol Corporation, assignee: *See*—
Foulks, William S.

Third National Bank and Trust Company of Dayton, The, assignee: *See*—
Kroener, Elmo H.

Thirtle, John R., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. (Alkylsulfonamidoalkyl) arylhydrasines. 2,618,650, Nov. 18.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Fluid-modified mounting. 2,582,363, Jan. 15.

Thoennes, Frank A., Peru, Ind. Fire escape. 2,585,876, Feb. 12.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Safety mechanism for centrifugal separators. 2,591,317, Apr. 1.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Combined bearing and stabilizing mechanism for centrifugal separators. 2,597,405, May 20.

Tholstrup, Henry L., Rochester, N. Y., and J. A. Skinner, Washington, D. C. Tape-printing typewriter. 2,605,881, Aug. 5.

Thoma, Ardis M., Los Angeles, Calif. Headrest. 2,582,571, Jan. 15.

Thomann, Fred A., East Moline, assignor to Deere & Company, Moline, Ill. Crop shield for harvesters. 2,616,353, Nov. 4.

Thomas, Albert G., Lynchburg, Va. Ground speed indicator. 2,584,641, Feb. 5.

Thomas, Archibald P.: *See*—
Boardman, Reginald G., and Thomas.

Thomas, Arthur, Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Apparatus for comparing statistical record cards. 2,614,750, Oct. 21.

Thomas, Arthur, Wallington, and N. G. Holden, Carshalton, assignors to Powers-Samas Accounting Machines Limited, London, England. Sequential comparing mechanism for statistical machines. 2,619,281, Nov. 25.

Thomas Associates, assignee: *See*—
Thomas, Howard P.

Thomas, Benjamin D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Defroster circuit. 2,601,466, June 24.

Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.
Bergan, Martin D., and Graham.
Graham, Maxwell A., and Thompson.
Greene, Donald L., and Badeau.
Moore, Albert J.

Thomas, C., assignee: *See*—
Auclair, Roderick T.

Thomas, Cecil A. P., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Power-operated register resetting mechanism for gasoline dispensing pumps. 2,587,925, Mar. 4.

Thomas, Charles A., deceased, late of Fort Wayne, Ind., by J. M. Thomas, administratrix, Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,598,464, May 27.

Thomas, Charles A., deceased, by J. M. Thomas, administratrix, Fort Wayne, Ind., assignor to General Electric Company. Automatic keeper for permanent magnets. 2,606,219, Aug. 5.

Thomas, Charles A., Ladue, P. Logus, Webster Groves, and M. G. Seelig, assignors to Monsanto Chemical Company, St. Louis, Mo. Powder lubricated surgeon's rubber glove. 2,621,333, Dec. 16.

Thomas, Charles C., Medford, assignor to Lacene Manufacturing Corporation, Lawrence, Mass. Driving means for detector rolls in grading machines. 2,598,858, June 3.

Thomas, Charles C. H., Ben Avon, and L. E. Edelman, Pittsburgh, Pa.; said Edelman assignor to said Thomas. Enteric medicament. 2,591,742, Apr. 8.

Thomas, Charles L., Winnetka, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons with a silica-alumina-zirconia composite. 2,608,525, Aug. 26.

Thomas, Charles L., Winnetka, Ill., and J. C. Morrell, Chevy Chase, Md., assignors to Universal Oil Products Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,592,765, Apr. 15.

Thomas, Chester A.: *See*—
Merritt, Thomas W., and Thomas.

Thomas, Chester A., Lake Forest, Ill., assignor to Babson Bros. Co. Suspended milker. 2,610,609, Sept. 16.

Thomas, Clare, assignee: *See*—
Thomas, Ezekiel L.

Thomas, Clarence J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Ethylene oxide production and recovery. 2,622,088, Dec. 16.

Thomas, Clarence M., Houston, assignor of one-fourth to L. H. Stahl, Harris County, Tex. Motive fuel converter. 2,586,187, Feb. 19.

Thomas, Curtis W.: *See*—
Simpson, Justin, and Thomas.

Thomas, Dorothy H., Seattle, Wash. Hair drying equipment. 2,580,619, Jan. 1.

Thomas, Edward B.: *See*—
Oxley, Horace F., Thomas, and Murfitt.

Thomas, Edward B., Spondon, near Derby, and H. F. Oxley, Charmouth, England, assignors to Celanese Corporation of America. Textile dressing materials. 2,614,984, Oct. 21.

Thomas, Elmer R., Healdton, Okla., and H. L. Ayers, Wichita Falls, Tex.; said Ayers assignor to said Thomas. Pump rod connecting device. 2,618,173, Nov. 18.

Thomas, Elton K., Norton, assignor to Metals & Controls Corporation, Attleboro, Mass. Relief valve. 2,613,874, Oct. 14.

Thomas, Emory M., Independence, Mo. Novelty device in nature of viewing means. 2,594,698, Apr. 29.

Thomas, Eric L., Wembley, England, assignor to The Sperry Corporation. Stroboscope. 2,593,501, Apr. 22.

Thomas, Everett A., North Tonawanda, assignor, by mesne assignments, to National Lead Company, New York, N. Y., Porous zircon refractory and making. 2,583,160, Jan. 22.

Thomas, Ezekiel L., assignor of forty-nine percent to C. Thomas, Los Angeles, Calif. Dispensing holder for liquid containers with means for puncturing said containers. 2,582,660, Jan. 15.

Thomas, Ford M., assignor to Vermont Box Co., Inc., Bristol, Vt. Partition supporting clip. 2,605,525, Aug. 5.

Thomas, Frank, Weirton, W. Va. Faucet attached laundry spray. 2,584,943, Feb. 5.

Thomas, Frank S., Jr., assignor to Development Corporation, Inc., St. Louis, Mo. Kick starter. 2,596,512, May 13.

Thomas, Frank W.: *See*—
Simon, Eli, and Thomas.

Thomas, Garrett J., Zion, Ill. Collapsible chair. 2,615,500, Oct. 28.

Thomas, George, Hayes, England. Folding push chair. 2,588,896, Mar. 11.

Thomas, George G., Chicago, Ill. Foldable scaffold for household uses. 2,599,670, June 10.

Thomas, George J., assignor to Watts Electric & Mfg. Co., Birmingham, Mich. Lamp socket supporting means. 2,595,994, May 6.

Thomas, George T., Denville, N. J. Cleaning apparatus for pipes and the like. 2,590,479, Mar. 25.

Thomas, Georges A., Paris, France. Steering mechanism for tractors. 2,611,442, Sept. 23.

Thomas, Georges A., Paris, France. Rocking axle tractor with hydraulic lift. 2,621,574, Dec. 16.

Thomas, Harold H.: *See*—
Cooper, James, and Thomas.

Thomas, Harold K., Phoenix, Ariz. Insulating pipe covering composition. 2,600,812, June 17.

Thomas, Harry W., Miami Beach, assignor to Gate City Sash and Door Company, Fort Lauderdale, Fla. Awning type window. 2,622,672, Dec. 23.

Thomas, Hayward C., assignee: *See*—
Sperry, Charles F.

Thomas, Henry C., Orangeburg, S. C. Wire stringing device. 2,613,256, Oct. 7.

Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Frequency multiplier circuit. 2,583,801, Jan. 29.

Thomas, Howard O., South Gate, Calif. Oil seal structure. 2,593,219, Apr. 15.

Thomas, Howard P., North Hollywood, assignor to Thomas Associates, Los Angeles, Calif. Cushioned harness clamp. 2,618,450, Nov. 18.

Thomas, Ivan: *See*—
Flori, Joseph, and Thomas.

Thomas, Ivor L.: *See*—
Pritchard, Harold C., Thomas, and Roberts.

Thomas, James, Berwick, Pa. Instrument for scribing circular arcs on a workpiece about a fixed center. 2,600,139, June 10.

Thomas, James A., Jr., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 2,609,285, Sept. 2.

Thomas, James E., and C. D. Anderson, Kellogg, Idaho, assignors to The Elmco Corporation, Salt Lake City, Utah. Drill supporting device. 2,623,739, Dec. 30.

Thomas, James R., Arlington Heights, assignor to J. A. Weber, Mount Prospect, Ill. Sheet ejecting mechanism in bed and platen printing machines. 2,605,702, Aug. 5.

Thomas, Jean D., Buffalo, N. Y. Detachable wheel chair walking apparatus. 2,596,055, May 6.

Thomas, Jeanne M., administratrix: *See*—
Thomas, Charles A.

Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of impregnated cellulose and cellulose esters therefrom. 2,585,516, Feb. 12.

Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ester manufacture. 2,600,031, June 10.

Thomas, John W., Newport News, Va. Portable light switch. 2,599,295, June 3.

Thomas, John W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Applying closures to containers and closure blanks therefor. 2,623,674, Dec. 30.

Thomas, Joseph G., Lebanon, Mo., assignor of one-half to B. F. Krehbiel, Wichita, Kans. Plant-growing apparatus. 2,592,976, Apr. 15.

Thomas, Julian B., Fort Worth, Tex. Rotary pump. 2,621,603, Dec. 16.

Thomas, Laurence H., Birmingham, and F. W. Kuhn, Grosse Pointe Farms, assignors to American Electrical Heater Company, Detroit, Mich. Traveling iron. 2,592,489, Apr. 8.

Thomas, Levi M.: *See*—
Gaver, Kenneth M., Lasure and Thomas.

Thomas, Lilburn R., Wilmette, and C. A. Crouch, Highland Park, Ill. System of transmitting signal indications from railway signaling devices to vehicles and for controlling same. 2,606,281, Aug. 5.

Thomas, Marion E.: *See*—
Piety, Raymond G., and Thomas.

Thomas, Marion E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Seismometer. 2,623,938, Dec. 30.

Thomas, Martin A., Abilene, assignor of one-third to W. D. Keith, Wichita Falls, Tex. Water-heating system. 2,604,265, July 22.

Thomas, Michael J.: *See*—
Sloane, Robert W., Thomas, and Fricke.

Thomas, Norman M., Medford Lakes, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Liquid measuring apparatus. 2,588,057, Mar. 4.

Thomas, Orel J., Tecumseh, Ontario, Canada. Fish bait. 2,610,429, Sept. 16.

Thomas, Orrin H., Williamsport, and T. E. Snyder, South Williamsport, Pa., assignors to P. Zayac, Johnson City, J. Marconi, Endicott, and H. C. Schloer, Vestal, N. Y. Cable terminal connector. 2,585,055, Feb. 12.

Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Stop motion for twisting and winding machines. 2,584,096, Jan. 29.

Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Spool mounting and operating means. 2,595,906, May 6.

Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Yarn delivery guide means. 2,619,296, Nov. 25.

Thomas, Paul B.: *See*—
Darby, William S., and Thomas.

Thomas, Percival E., Worcester Park, assignor to Sterling Industries Limited, London, England. Hydraulic transmitter. 2,622,398, Dec. 23.

Thomas, Percy H., Beecroft, near Sydney, assignor to Howard Auto-Cultivators Limited, Northmead, New South Wales, Australia. Rotary hoe. 2,603,136, July 15.

Thomas, Peter, Seattle, Wash. Tandem axle spring mounting. 2,611,626, Sept. 23.

Thomas, Philip R., Detroit, Mich. Page end indicator for typewriters. 2,586,489, Feb. 19.

Thomas, Ples M., assignee: *See*—
Madigan, John J.

Thomas, Raymond G., Monticello, Iowa. Vapor injector. 2,598,465, May 27.

Thomas, Richard, Westwood Village, Calif. Light dividing apparatus for producing television in color. 2,600,590, June 17.

Thomas, Robert E., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Photomultiplier coincidence circuit. 2,595,552, May 6.

Thomas, Robert J., Royal Oak, Mich. Push button having two positions in one of which it is illuminated. 2,581,053, Jan. 1.

Thomas, Robert M.: *See*—
Sparks, William J., and Thomas.
Sparks, William J., Thomas, and Field.

Thomas, Roscoe R., Fairfield, Ala., assignor to United States Steel Company. Furnace shell construction. 2,596,738, May 13.

Thomas Textile Co. Inc., assignee: *See*—
Swartz, Thomas J.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,609,899, Sept. 9.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,609,905, Sept. 9.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control. 2,612,869, Oct. 7.

Thomas, Thomas H., E. R. Price, and R. H. Long, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,589,643, Mar. 18.

Thomas, Thomas H., E. E. Hupp, and W. R. Williams, assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,616,536, Nov. 4.

Thomas, Ulysses L., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Latching apparatus. 2,603,515, July 15.

Thomas, Vernon R., Rockford, Ill. Spark plug. 2,616,406, Nov. 4.

Thomas, Vernon R., Rockford, Ill. Spark plug. 2,616,407, Nov. 4.

Thomas, Walter M.: *See*—
Erickson, John G., and Thomas.
Wohnsiedler, Henry P., Kropa, and Thomas.

Thomas, Walter M., Springdale, and J. A. Price, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized acrylonitrile - dialkylaminopropylacrylamide compositions. 2,595,907, May 6.

Thomas, Walter M., Springdale, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable compositions, including 4-allyloxymethyl-1,3-dioxolane and polymerization products thereof. 2,601,572, June 24.

Thomas, Wilfred, Albany, N. Y. Pneumatic airfoil. 2,616,509, Nov. 4.

Thomas, William A., assignor to Blaw-Knox Company, Pittsburgh, Pa. Fluid impact pulverizer. 2,602,595, July 8.

Thomas, William F., assignor to Vandervell Products Limited, London, England. Manufacture of bearings. 2,618,050, Nov. 18.

Thomas, William I., Montrose, Pa. Lacing device. 2,604,239, July 22.

Thome-Johannesen, Ole, assignor to E. Eckbo, Oslo, Norway. Manufacturing of phosphate containing coating products for the protection of metals against corrosion. 2,597,406, May 20.

Thomlinson, John: *See*—
Jones, Charles R., Thomlinson, and Kent.

Thommen, Hans, and H. Meyer, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker having parallel connected impedance. 2,581,822, Jan. 8.

Thommen, Hans, and A. Amstutz, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Compressed gas operated circuit breaker. 2,592,079, Apr. 8.

Thompson, Albert R., Los Gatos, Calif., assignor to Food Machinery and Chemical Corporation. Apparatus for feeding and orienting pears. 2,596,798, May 13.

Thompson, Albert R., Los Gatos, Calif., assignor to Food Machinery and Chemical Corporation. Feed mechanism for pressure cookers. 2,609,079, Sept. 2.

Thompson, Albert R., Los Gatos, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Machine with rotary pocketed hopper for packing string beans. 2,620,091, Dec. 2.

Thompson, Albert R., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Apparatus for feeding and orienting pears. 2,581,732, Jan. 8.

Thompson, Alfred L.: *See*—
Nystrom, Karl T., and Thompson.

Thompson, Arnold M.: *See*—
Manthey, Everett C., and Thompson.

Thompson, Arthur C., Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa. Welding seams in the manufacture of lift-type gas holders. 2,621,399, Dec. 16.

Thompson, Charles C., McComb, Miss., assignor to Spence Engineering Company, Inc., Walden, N. Y. Steam engine valve. 2,622,568, Dec. 23.

Thompson, Charles E., Great Falls, Mont., assignor, by mesne assignments, to Pacific Parachute Company, Inc. Parachute pack and container. 2,583,905, Jan. 29.

Thompson, Charles H.: *See*—
Graham, Maxwell A., and Thompson.

Thompson, Charles T., Swampscott, Mass., assignor to General Electric Company. Cage construction for planetary gearing. 2,591,743, Apr. 8.

Thompson, Chester R., Richmond, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Production of stabilized forage crops. 2,611,703, Sept. 23.

Thompson, Daniel T.: *See*—
Thompson, Meyer and D. T.

Thompson, Donald E., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. High-voltage supply. 2,588,777, Mar. 11.

Thompson, Earl G., San Francisco, Calif. Bottle sterilizer. 2,597,407, May 20.

Thompson, Edward W., Spokane, Wash. Ash receptacle 2,583,240, Jan. 22.

Thompson, Eleanor, assignee: *See*—
Velghe, Alphonse.

Thompson Electric Company, The, assignee: *See*—
Farrington, Thayer B.
Farrington, Thayer B., and Dalzell.

Thompson, Elliott R., Merchantville, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Internally insulation lined vessel. 2,599,210, June 3.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Vehicle hoist. 2,593,630, Apr. 22.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Milking machine. 2,606,523, Aug. 12.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Adjustable load engager for vehicle lifts. 2,612,344, Sept. 30.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Vehicle hoist. 2,612,355, Sept. 30.

Thompson Engineering & Mfg. Co., assignee: *See*—
Manthey, Everett C., and Thompson.

Thompson, Ernest H., Winnetka, assignor to Automatic Canteen Company of America, Chicago, Ill. Mixing device. 2,588,591, Mar. 11.

Thompson, Ernest S., Strathmore, Calif. Disk gang mounting. 2,586,490, Feb. 19.

Thompson, Ernest S., and N. A. Weitz, Atlanta, Ga. Garment hanger and form board. 2,615,602, Oct. 28.

Thompson, Floyd O., Sedro Woolley, Wash. Pivoted-jaw wrench having nut-actuated and slidable cam-wedge. 2,591,636, Apr. 1.

Thompson, Floyd O., Sedro-Woolley, Wash. Hospital bed. 2,598,859, June 3.

Thompson, Forrest G., Kennett Square, Pa. Container filling machine having feed screw with cylindrical bore forming member. 2,589,583, Mar. 18.

Thompson, Frank H., Rolla, Kans. Broomcorn harvester. 2,599,143, June 3.

Thompson, Frank R., and W. D. Bell, Akron, assignors, by mesne assignments, to The Falls Stamping and Welding Company, Cuyahoga Falls, Ohio. Canopy construction. 2,593,221, Apr. 15.

Thompson, Frederick C., Danbury, England. Radar navigating apparatus for aircraft. 2,589,584, Mar. 18.

Thompson, George B.: *See*—
Curtis, John C., and Thompson.

Thompson, George G., Pasadena, and A. J. Vail, Altadena, Calif., assignors to A. O. Smith Corporation, Milwaukee, Wis. Dynamic braking circuits for electric motors. 2,613,342, Oct. 7.

Thompson, Glenn S., Milwaukee, assignor to I. M. Jones, River Hills, Wis. Consumer type container end structure. 2,603,403, July 15.

Thompson Grinder Company, The, assignee: *See*—
Baldenhofer, William G.
Ernst, Walter.
Krafft, Frederick G.
Leffel, Guy H.
Lohutko, Floryan.
Wilson, John C.

Thompson, H. L., Company, The, assignee: *See*—
Parker, Leon.

Thompson, Harold A., Silverton, Oreg. Bending machine. 2,610,666, Sept. 16.

Thompson, Harry C., Chester, Vt., assignor to Radio Corporation of America. Electron discharge device of the beam deflection type. 2,581,612, Jan. 8.

Thompson, Henry D.: *See*—
Smitzer, Louis A., and Thompson.

Thompson, Henry W.: *See*—
Stacey, Gilbert J., Thompson, Vasey, and Curd.

Thompson, Herbert H.: *See*—
Rawlings, Arthur L., and Thompson.

Thompson, Herbert H., Manhasset, N. Y., assignor to The Sperry Corporation. Inclined gyro vertical. 2,608,869, Sept. 2.

Thompson, Howard A., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Supplemental signaling system for special railway vehicles. 2,617,922, Nov. 11.

Thompson, Howard H., assignor to Weavewood, Inc., Minneapolis, Minn. Molding dishlike articles. 2,592,080, Apr. 8.

Thompson, Hugh L.: *See*—
Null, Norman V., and Thompson.

Thompson, Hugh L., Waco, Tex. Garment conveyer. 2,582,178, Jan. 8.

Thompson, James: *See*—
Binder, William O., and Thompson.

Thompson, James P., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Dewaxing oil and continuous rotary filter therefor. 2,592,490, Apr. 8.

Thompson, James V.: *See*—
McKay, James B., and Thompson.

Thompson, John, Beacon Windows Limited, assignee: *See*—
Smart, Gerald R.

Thompson, John E., Chicago, Ill. Distillation apparatus for refining fats and oils. 2,611,741, Sept. 23.

Thompson, John H.: *See*—
Graham, Robert P., Thompson, and Shepherd.

Thompson, John H., assignor to A. Rockvam, Glendale, Calif. Hose nozzle. 2,587,407, Feb. 26.

Thompson, John L., Ojai, and J. Bibb, Port Hueneme, Calif. Portable dock scaffold. 2,598,730, June 3.

Thompson, John S., Detroit, Mich., assignor, by mesne assignments, to Parker Rust-Proof Company. Bonded asbestos and making the same. 2,592,521, Apr. 8.

Thompson, Joseph A.: *See*—
Hobbs, Howard F., and Thompson.

Thompson, Joseph C., assignor to B. J. Palmer, Davenport, Iowa. Instrument reading training device. 2,583,398, Jan. 22.

Thompson, Joseph N., assignee: *See*—
Bailey, Revilo E.

Thompson, Keith R., assignor to Monroe Auto Equipment Company, Monroe, Mich. Rod feeding mechanism. 2,604,737, July 29.

Thompson, Kenneth B., Sierra Madre, Calif. Signaling device. 2,621,023, Dec. 16.

Thompson, Kenneth L., United States Army. Contract bridge scorer. 2,605,049, July 29.

Thompson, Kenneth M., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Alkaryl sulfonate detergents. 2,615,847, Oct. 28.

Thompson, Lawrence E., Marion, Ind. Electric motor control. 2,597,408, May 20.

Thompson, Lee E., Tulsa, Okla. Liquid level gauge and operating system. 2,600,341, June 10.

Thompson, Lee L., Iowa Park, Tex. Mud and chemical mixer. 2,585,701, Feb. 12.

Thompson, Leslie D., Jolo, P. I. Method and apparatus for operating internal-combustion engines on composite mixtures of diesel fuel oil and gasoline. 2,581,458, Jan. 8.

Thompson, Margaret H., Tampa, Fla. Brassière. 2,594,248, Apr. 22.

Thompson, Meyer and D. T., Los Angeles, Calif. Apparatus for making a toroid. 2,584,514, Feb. 5.

Thompson, Milton L., Huntingdon Valley, assignor to Philco Corporation, Philadelphia, Pa. Line-cord antenna. 2,581,983, Jan. 8.

Thompson, Milton L., Huntingdon Valley, Pa., assignor to Philco Corporation. High-frequency amplifier circuit. 2,603,723, July 15.

Thompson, Moody C., Jr., Washington, D. C., assignor to Stromberg-Carlson Company. Variable impedance device. 2,590,282, Mar. 25.

Thompson, Morris, Eau Claire, Wis. Ironing board attachment. 2,588,897, Mar. 11.

Thompson, N. H., Jr., assignee: *See*—
Briscoe, Madison H.

Thompson, Paul A., assignee: *See*—
Jewell, Victor E.

Thompson, Paul H., Clearwater, Nebr. Endgate for pickup trucks. 2,623,778, Dec. 30.

Thompson, Percy W., Memphis, Tenn. Writing table having an adjustable drawing board. 2,593,364, Apr. 15.

Thompson Products, Inc., assignee: *See*—
Alldredge, Marshall H., and Graham.
Anderson, David E.
Angell, Pierce T., and Leska.
Booth, James H.
Booth, James H., and Ricks.
Borchardt, William J.
Britton, Karl B.
Cliborn, Robert.
De Vlieg, Howard R., and Angell.
Fidler, Robert E.
Gibian, Emil F.
Graham, Matthew P.
Gurnick, Raymond S., and Joy.
Herbenar, Edward J.
Johnson, Edwin J.
Newton, John A.
Noon, T Cyril, and Bayer.
Norton, Samuel H.
Perkes, Fred T.
Ricks, Bernard E.
Roush, Milton S.
Roush, Milton S., and Clark.
Snyder, Jacob R.
Snyder, Jacob R., and Norton.
Snyder, Jacob R., and Pease.
Stieglitz, Henry C.
Taub, Alex.
Townhill, Arthur.
Wainer, Eugene.
Watson, Edwin D.

Thompson Products, Limited, assignee: *See*—
Liddicoat, Percill.

Thompson, Ralph B.: *See*—
Bloch, Herman S., and Thompson.

Thompson, Ralph B., Hinsdale, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Resinous copolymerization products from aromatic fulvenes. 2,587,791, Mar. 4.

Thompson, Ralph B., Hinsdale, and L. Schmerling, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Production of high molecular weight resinous and plastic materials having an aromatic structure. 2,591,890, Apr. 8.

Thompson, Ralph L.: *See*—
Lester, John M., and Thompson.

Thompson, Ralph L., Mineola, N. Y., assignor to G. V. Smith, Westwood, N. J. Interlocking mechanism for register apparatus. 2,581,218, Jan. 1.

Thompson, Ralph L., New Hyde Park, N. Y. Electrically operated printer receiver. 2,604,537, July 22.

Thompson, Richard A., West Orange, N. J., assignor to Curtiss-Wright Corporation. Fluid conduit heating means. 2,599,671, June 10.

Thompson, Richard H., North Vancouver, British Columbia, Canada. Collapsible umbrella. 2,616,439, Nov. 4.

Thompson, Richard W., Los Angeles, Calif. Folding sectional article of furniture. 2,587,010, Feb. 26.

Thompson, Robert A.: *See*—
Foust, Floyd J., Childress, Crim, and Thompson.

Thompson, Robert B.: *See*—
Wells, David F., Thompson, and Roberts.

Thompson, Robert C., and K. M. Cayton, Lake Charles, La. Cover tensioning device for sofa beds. 2,588,058, Mar. 4.

Thompson, Robert D., Penfield, and L. C. Liberatore, assignors to Taylor Instrument Companies, Rochester, N. Y. Manufacturing a maximum registering thermometer. 2,612,002, Sept. 30.

Thompson, Robert E.: *See*—
Beaulieu, Ezra J., and Thompson.

Thompson, Robert E., assignor to Des Moines Glove & Mfg. Company Inc., Des Moines, Iowa. Golf bag. 2,591,217, Apr. 1.

Thompson, Robert E., Lisle, assignor to Armour and Company, Chicago, Ill. Powder container. 2,594,093, Apr. 22.

Thompson, Robert H., and H. Harvey, Los Angeles, Calif., assignors, by mesne assignments, to United States Steel Company. Valve operating mechanism. 2,591,216, Apr. 1.

Thompson, Robert W., Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion source. 2,621,296, Dec. 9.

Thompson, Robert W., Minneapolis, Minn., and W. T. Leland, New York, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Spectrometer. 2,585,702, Feb. 12.

Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. Variable underlap drum facsimile transmitting apparatus. 2,618,702, Nov. 18.

Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. Sheet clamping arrangement for facsimile apparatus. 2,622,000, Dec. 16.

Thompson, Ruth E., Morristown, N. J. Rack for plastic dish covers. 2,594,699, Apr. 29.

Thompson, Sam, Houston, Tex. Power-driven hammer. 2,594,522, Apr. 29.

Thompson, Theron T.: *See*—
Sidnell, Albert E., and Thompson.

Thompson, Thomas J., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic flow regulator. 2,608,068, Aug. 5.

Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing unsymmetrical tetranuclear cyanine dyes. 2,611,695, Sept. 23.

Thompson Venetians, Inc., assignee: *See*—
Martin, Joseph K., and Doughty.

Thompson, Viola, Washington, D. C. Barbecue rack. 2,616,360, Nov. 4.

Thompson, Viola, Washington, D. C. Shoe cover. 2,623,567, Dec. 30.

Thompson, Wallace A., Pontiac, Mich. Potato cutter. 2,610,664, Sept. 16.

Thompson, Wallace W.: *See*—
Sears, George W., Jr., and Thompson.

Thompson, Walter E., Jr., Watertown, and R. W. Taylor, Terryville, Conn., assignors to The Hemingway & Bartlett Mfg. Co. Fish net formed of synthetic resin strands and strands therefor and producing same. 2,590,586, Mar. 25.

Thompson, Wayne B., Winchester, assignor to Spray Engineering Company, Somerville, Mass. Spray discharge nozzle. 2,610,092, Sept. 9.

Thompson, Wendell S.: *See*—
Peck, Albert C., and Thompson.

Thompson, Wesley J., Spokane, Wash. Jack base. 2,616,650, Nov. 4.

Thompson, William D., San Diego, Calif. Multiple roll film camera. 2,584,373, Feb. 5.

Thompson, William D., San Diego, Calif. Plural film camera with film strips at right angles to one another. 2,616,342, Nov. 4.

Thompson, William G., Clinton, Mass. Dispenser and applicator. 2,590,661, Mar. 25.

Thompson, William H.: *See*—
Lane, Russell W., and Thompson.

Thompson, William H., Wichita Falls, Tex. Hoisting equipment. 2,588,178, Mar. 4.

Thompson, William J., Wichita Falls, Tex. Dehorning instrument. 2,583,347, Jan. 22.

Thompson, William P.: *See*—
Campbell, Rollin E., and Thompson.

Thompson, William W., Birmingham, and G. F. Whitston, Inkster, Mich. Fish bait. 2,593,220, Apr. 15.

Thompson, Wirt L., Jr.: *See*—
Johnson, Thomas H., and Thompson.

Thoms, Fred Jr: *See*—
Smith, Charles J., and Thoms.

Thoms, Louis, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Torsion bar suspension for individual wheel mountings. 2,596,922, May 13.

Thomsen, Alfred M., San Francisco, Calif. Regenerating a spent cooking liquor resulting from the digestion of a cellulose-lignin complex. 2,618,610, Nov. 18.

Thomsen, Christen C.: *See*—
Fleischer, Svend S. C., and Thomsen.

Thomsen, Christoph N. J., deceased, Frankfort-on-the-Main, Germany, by G. Thomsen, administratrix, Kelkheim-Munster in Taunus, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfort-on-the Main Hochst, Germany. Tanning agents and preparing them. 2,603,613, July 15.

Thomsen, Gertrud, administratrix: *See*—
Thomsen, Christoph N. J.

Thomsen, Niels P., Toledo, Ohio. Releasable chain stopper. 2,623,255, Dec. 30.

Thomsen, Svend, Bala, Ontario, Canada. Carbonizing unit. 2,589,895, Mar. 18.

Thomsen, William A. V.: *See*—
Mapes, Daniel, and Thomsen.

Thomson, Andrew F., Highland Park, Mich., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Neoprene-phenolic adhesive cement. 2,610,910, Sept. 16.

Thomson, Bernard: *See*—
Wolfson, Henry, and Thomson.

Thomson, David, Flint, Mich. Sundial and nocturnal celestial timepiece. 2,582,179, Jan. 8.

Thomson, E. Craig, Boston, and P. J. Cade, Sharon, assignors to Combustion Control Corporation, Cambridge, Mass. Flame failure safeguard. 2,621,299, Dec. 9.

Thomson, Edward, Ashley, Ill. Power transmission. 2,615,344, Oct. 28.

Thomson Electric Welder Company, assignee: *See*—
Southwick, William S.

Thomson, Francis X., Delaware Township, Camden County, N. J., assignor to Radio Corporation of America. Brightening and passivating cadmium and zinc. 2,610,133, Sept. 9.

Thomson, Henry A., Lansdowne, Pa. Spring hanger. 2,593,502, Apr. 22.

Thomson, James: *See*—
Jackson, David, and Thomson.

Thomson, John R.: *See*—
Landon, Robert K., and Thomson.

Thomson, Judson L., Manufacturing Company, assignee: *See*—
Havener, Arthur R.

Thomson, Leland E.: *See*—
Bond, Donald S., and Thomson.

Thomson Machine Company, assignee: *See*—
Sawyer, Hilon W., and Schellenberger.

Thomson, Samuel G., Flushing, N. Y. Railroad rail unsymmetrical sides. 2,596,619, May 13.

Thomson, Samuel G., New York, N. Y. Rail joint for V-head rail type. 2,619,290, Nov. 25.

Thomson, Thomas: *See*—
Taylor, James, and Thomson.

Thomson, Thomas B., Altadena, and H. A. Curtis, Whittier, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Horsepower indicator. 2,595,425, May 6.

Thomson, William J., Ambler, Pa. Oil absorbing method. 2,601,862, July 1.

Thor, Oscar, Nutley, N. J. Reversible rug display cabinet. 2,596,291, May 13.

Thorburn, David H., Oak Park, and J. E. Panza, assignors to The Powers Regulator Company, Chicago, Ill. Valve motor. 2,608,211, Aug. 26.

Thorburn, Milton R., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Thickness gauge. 2,581,219, Jan. 1.

Thorens, Hermann, S. A., assignee: *See*—
Jahncke, Albert.
Thorens, Robert.

Thorens, Robert, assignor to H. Thorens S. A., Sainte-Croix, Switzerland. Actuating device for record-playing turntables. 2,606,455, Aug. 12.

Thoresen, John C., Warwick, assignor to Builders Iron Foundry, Providence, R. I. Pneumatic apparatus for measuring fluid pressure. 2,614,424, Oct. 21.

Thorgrimsson, Einar, Reykjavik, Iceland. Rotary motor. 2,585,354, Feb. 12.

Thorn Electrical Industries Limited, assignee: *See*—
Ranby, Peter W.

Thorn, John P.: *See*—
Arundale, Erving, and Thorn.

Thorn, Raymond E.: *See*—
Lewis, Ernest E., and Thorn.

Thorn, Richard H. W. North Wembley, England, assignor to H. J. Heinz Company, Pittsburgh, Pa. Container emptying apparatus. 2,618,407, Nov. 18.

Thorn, Thomas H., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Universal connecting block for regulators. 2,606,051, Aug. 5.

Thornberry, Halbert H., and H. W. Anderson, assignors to Board of Trustees of The University of Illinois, Urbana, Ill. Production of streptomycin on synthetic medium. 2,621,146, Dec. 9.

Thornbery, John H., Whitefish Bay, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety control device. 2,588,179, Mar. 4.

Thorne, Donald V.: *See*—
Thurmond, Allen M., and Thorne.

Thorner, Robert H., Detroit, Mich. Governor mechanism. 2,584,170, Feb. 5.

Thorness, Rudolph B.: *See*—
Nier, Alfred O. C., Thorness, and Stevens.

Thornhill, Peter W., assignor to Levitation Limited, Leamington Spa, England. Pneumatic suspension struts. 2,595,426, May 6.

Thornley, William J., Chicago, Ill. Coin box. 2,618,436, Nov. 18.

Thornquist, Carl, assignee: *See*—
Herman, James H., Jr.

Thorns, Irvin A., Los Angeles, Calif. Sectionalized portable ice stage. 2,615,308, Oct. 28.

Thornton, Kenneth: *See*—
Hobbs, Howard F., and Thornton.

Thornton, Raymond: *See*—
Chadderton, Tom, and Thornton.

Thornton, Theodore W., Salt Lake City, Utah. Torpedo motion recorder. 2,580,485, Jan. 1.

Thornwald, Everett D., assignor to Clements Mfg. Co., Chicago, Ill. Bag support and handle for vacuum cleaners. 2,610,702, Sept. 16.

Thornwald, Everett D., assignor to Clements Mfg. Co., Chicago, Ill. Automatic nozzle adjustment for vacuum cleaners and the like. 2,614,283, Oct. 21.

Thorp, Clark E., Chicago, Ill., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Dispersion of gaseous treating agents in liquids. 2,606,150, Aug. 5.

Thorp, Clark E., Chicago, and G. Panula, Midlothian, Ill., assignors, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Ozone generation. 2,613,841, Oct. 28.

Thorp, Roger B., assignor to Westinghouse Brake and Signal Company Limited, London, England. Mimic diagram panel. 2,611,018, Sept. 16.

Thorpe, Ernest: *See*—
Range, Alan L., and Thorpe.

Thorpe, Ernest H. C., Kew Gardens, assignor to C.A.V. Limited, London, England. Electric starting motor for internal-combustion engines. 2,611,274, Sept. 23.

Thorpe, Frederick W.: *See*—
Cator, Frederick L., and Thorpe.

Thorpe, Millard L.: *See*—
Babcock, Lloyd L., and Thorpe.

Thorpe, Roy E.: *See*—
Harman, Denham, and Thorpe.

Thorpe, Thomas E., London, England. Liquid dispensing means. 2,618,416, Nov. 18.

Thorsen, Clifford G., Chicago, Ill. Demountable structure. 2,591,891, Apr. 8.

Thorsen, Walter J.: *See*—
Jones, Harrison W., Thorsen, and Lundgren.

Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid flow control device. 2,604,112, July 22.

Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive control device. 2,620,414, Dec. 2.

Thorson, Theodore E., Sioux Falls, S. Dak. Hot-air circulating mopboard. 2,585,703, Feb. 12.

Thorstensen, Melvin C., Berwyn, Ill. Ornamental lamp shade providing a display of blending colors. 2,595,732, May 6.

Thorstenson, Johan, assignor to Aktiebolaget Gotaverken Goteborg, Sweden. Spring plate valve. 2,599,499, June 3.

Thorstensson-Rydberg, Carl A. S., Stockholm, assignor to J. R. Andersson & Co., Aktiebolag, Sundbyberg, Sweden. Treatment of cream and milk. 2,617,732, Nov. 11.

Thorwid, Carl, Uppsala, Sweden. Refrigerating plant. 2,595,995, May 6.

Thostenson, Lewis D., Inglewood, Calif., assignor to Sallsbury Corporation. Bumper structure. 2,589,644, Mar. 18.

Thousand, Adolph, Cedar Rapids, Iowa. Safety locking motor vehicle door handle. 2,616,740, Nov. 4.

Thralls, Marvin A., Kingston, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Transparent vacuum back. 2,584,401, Feb. 5.

Thrash, Millard C., U. S. Navy. Navigational computer. 2,623,696, Dec. 30.

Threadrite Corporation, assignee: *See*—
Fisher, Marvin.

Three Dimension Company, assignee: *See*—
Bennett, Frank P., and Webb.

Threedy, Clarence E., trustee, assignee: *See*—
Patzer, William.

Threlkeld, Doris S.: *See*—
Thacker, Ned A., and Threlkeld.

Thresh, Frank R.: *See*—
Knowlton, Cutler D., and Thresh.

Thresher, Russell W., and R. B. Parker, United States Coast Guard. Display system for radar navigation. 2,586,743, Feb. 19.

Thriftimatic Corporation, assignee: *See*—
Padilla, Carlos, and Mayer.

Throckmorton, John W., and J. S. Wallis, assignors to Petro-Chem Process Company Incorporated, New York, N. Y. Boiler superheater. 2,621,636, Dec. 16.

Throdahl, Monte C., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Dustless composition for rubber compounding and making same. 2,598,319, May 27.

Throop, Waldo G., Pasadena, Calif. Hand loom. 2,607,979, Aug. 26.

Thrower, Harold P., Odessa, Tex., assignor to Shell Development Company, Emeryville, Calif. Pipe marking device. 2,611,183, Sept. 23.

Thrush, H. A., & Company, assignee: *See*—
Thrush, Marquis O.

Thrush, Marquis O., assignor to H. A. Thrush & Company, Peru, Ind. Diverter valve. 2,598,148, May 27.

Thulin, Charles W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transformer. 2,608,610, Aug. 26.

Thulin, Ivar V., Upper Darby, and J. M. Reichert, Philadelphia, Pa. Bobby pin reconditioner. 2,621,551, Dec. 16.

Thull, John F., assignor to Brown & Bigelow, St. Paul, Minn. Ball point pen. 2,593,365, Apr. 15.

Thull, John F., Minneapolis, assignor to Brown & Bigelow, St. Paul, Minn. Writing instrument. 2,593,366, Apr. 15.

Thumim, Carl, Yeadon, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Resonant silencer. 2,585,600, Feb. 12.

Thumim, Carl, Yeadon, Pa., assignor to General Electric Company. Circuit restorer. 2,599,294, June 3.

Thumim, Carl, Yeadon, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,601,422, June 24.

Thumim, Carl, Yeadon, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Pantograph apparatus. 2,618,682, Nov. 18.

Thunell, Karl H.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Thurber Corporation, The, assignee: *See*—
Thurber, Edward J.

Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Power transmission mechanism. 2,613,549, Oct. 14.

Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Power transmission mechanism. 2,613,550, Oct. 14.

Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Power transmission mechanism. 2,613,772, Oct. 14.

Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Rotary hydraulic coupling. 2,616,260, Nov. 4.

Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Torque converter. 2,616,303, Nov. 4.

Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Fluid power transmission. 2,616,534, Nov. 4.

Thurber, Walter P., Valley Stream, and J. I. Montel, Jamaica, N. Y. Proportioning and feeding apparatus. 2,594,519, Apr. 29.

Thurlow Glove Company, assignee: *See*—
Thurlow, Lawrence M., and Newell.

Thurlow, Lawrence M., W. E. Newell, assignors to Thurlow Glove Company, Portland, Oreg. Seamless palm glove. 2,596,349, May 13.

Thurin, Léon, Mondorf-les-Bains, Luxemburg. Electromagnetic sound recorder and reproducer. 2,609,457, Sept. 2.

Thurman, Benjamin H., New York, N. Y., assignor to Kraft Foods Company, Chicago, Ill. Treating oil. 2,621,191, Dec. 9.

Thurman, Benjamin H., New York, N. Y., assignor to Kraft Foods Company, Chicago, Ill. Deodorizing glyceride oils. 2,621,196, Dec. 9.

Thurman, Benjamin H., New York, N. Y., assignor to Kraft Foods Company, Chicago, Ill. Purification of glyceride oil. 2,621,197, Dec. 9.

Thurmand, Allen M., and D. V. Thorne, Alice, Tex. Water level indicator for engine radiators. 2,616,295, Nov. 4.

Thurness, Bernard E., Shaker Heights, Ohio. Resilient holding device. 2,592,356, Apr. 8.

Thursack, Julius C., Buffalo, N. Y. Mechanic's shop work layout tool of the head and pivoted blade type. 2,611,185, Sept. 23.

Thurston, Edward G.: *See*—
Kirby, Charles K., Thurston, and Walker.

Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Guanide-formaldehyde condensation products for tanning and bleaching leather. 2,591,218, Apr. 1.

Thurston, Jack T., and P. Adams, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Tanning and bleaching leather with a sulfoaromaticmelamine-formaldehyde resin. 2,599,142, June 3.

Thurston, Vinal D., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,613,372, Oct. 7.

Thut, Paul J.: *See*—
Fischler, Paul E., and Thut.

Thylefors, Henric W., assignor to Aktiebolaget Separator, Stockholm, Sweden. Shear pin coupling. 2,605,623, Aug. 5.

Thys, Edouard, Sacramento, Calif. Hop picking mechanism. 2,599,080, June 3.

Thys, Edouard, Sacramento, Calif. Hop stem remover. 2,620,064, Dec. 2.

Tibbets, George W., West Yellowstone, Mont. Log fitting machine. 2,602,476, July 8.

Tibbetts, Edward F.: *See*—
Schauble, Otto C., and Tibbetts.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle control mechanism. 2,604,962, July 29.

Tibbs, Oscar F., assignor of one-half to E. R. Garner, Sr., Memphis, Tenn. Supporting means for bearing grinders. 2,599,954, June 10.

Tibeau, Clement, Assiniboia, Saskatchewan, Canada. Oil tank hopper by-pass control. 2,588,778, Mar. 11.

Tiberi, Thomas, Chicago Heights, Ill. Tub assembly. 2,597,547, May 20.

Tice, Linwood F., Salem, N. J., assignor to Gelatin Research Society of America, Inc., New York, N. Y. Preparing solutions of gelatin in polyhydric alcohols. 2,584,307, Feb. 5.

Tice, Reuben S., Monterey County, Calif. Soil conditioner. 2,582,364, Jan. 15.

Tice, Reuben S., Monterey, Calif. Cocktail glass cooler and method. 2,587,075, Feb. 26.

Tichenor, Edwin L.: *See*—
Stulen, Walter H., Klein, and Tichenor.

Tickler, Richard B., Baton Rouge, La., assignor to Standard Oil Development Company. Liquid-liquid extraction tower. 2,614,031, Oct. 14.

Tickner, Alvin J.: *See*—
Mayes, Fred M., and Tickner.

Tidak Ltd., assignee: *See*—
Owen, Henry E. L., and R. E. L.

Tidd, Elbert, Clinton, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Radiant heating installation. 2,582,762, Jan. 15.

Tidd, Elbert D.: *See*—
Cataldo, John B., and Tidd.
Cataldo, John B., Tidd, and Cook.

Tidd, Elbert D., Clinton, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Radiant heating installation. 2,609,474, Sept. 2.

Tiddy, Williiam, Manhasset, N. Y., and F. D. Cooper, Ashland, Ky., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Treatment of waste pickle liquor. 2,605,169, July 29.

Tide Water Associated Oil Company, assignee: *See*—
Churchill, Leonard R.
Galstaun, Lionel S.
Nigh, George W.
Persyn, Charles L., Jr.
Putt, John W., Smith, and McLean.
Vaughn, Samuel C.
Zellner, Carl N.
Zellner, Carl N., and Lister.

Tidwell, Calvin M., East Point, Ga., assignor to International Minerals and Chemical Corporation. Production of phosphorus compounds. 2,622,965, Dec. 23.

Tidwell, Calvin M., Middleport, N. Y., assignor to International Minerals & Chemical Corporation. Production of phosphoric acid. 2,600,813, June 17.

Tidwell, Eldon G., Cherokee, Okla. Auger type elevator. 2,606,643, Aug. 12.

Tiedje, John L., Sarnia, Lambton, Ontario, Canada, assignor to Standard Oil Development Company. Dewaxing process using filter aid. 2,608,517, Aug. 26.

Tiedman, Clarence C., Tonawanda, N. Y. Two-hand press control device. 2,594,520, Apr. 29.

Tiedeman, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Forming diaphragm valve bodies. 2,616,164, Nov. 4.

Tiedeman, Robert K., Packanack Lake, J. M. Mergen, Verona, and C. W. Chillson, Caldwell, N. J., assignors to Curtiss-Wright Corporation. Electrically operated propeller pitch change mechanism. 2,620,887, Dec. 9.

Tiedtke, John M., Clewiston, Fla. Cane loading and chopping machine. 2,621,461, Dec. 16.

Tiegel, Margaret D., Greensburg, Pa. Insulating and heating jacket for food containers. 2,589,645, Mar. 18.

Tieman, Harvey A., St. Louis, Mo. Arch supporting insole. 2,589,163, Mar. 11.

Tierney, Marcus M., St. Paul, Minn. Box for displaying contents. 2,585,056, Feb. 12.

Tierney, William T., Jr., Hopewell Junction, and C. W. Davis, Jr., Fishkill, assignors to The Texas Company, New York, N. Y. Combination spark-glow plug. 2,591,025, Apr. 1.

Tieszen, Derk V.: *See*—
Gaver, Kenneth M., Lasure, and Tieszen.

Tiffany, Carter, Englewood, N. J. Hydrocarbon gas detector. 2,592,834, Apr. 15.

Tiffany, Daniel W., Great Falls, Mont. Refrigerating system for trailers. 2,584,242, Feb. 5.

Tiffany, Hiero G., Maplewood, Mo. Stand with retractable casters. 2,607,947, Aug. 26.

Tifft, William C., Seymour, Conn., assignor to Frederick Iron & Steel, Inc., Frederick, Md. Sheet metal slip roll former. 2,617,467, Nov. 11.

Tifft, William C., Seymour, Conn., and J. F. Kreissig, assignors to Frederick Iron and Steel, Inc., Frederick, Md. Adjustable bending brake with work clamp latching means. 2,602,484, July 8.

Tigerman, Louis: *See*—
Rue, Harold E., and Tigerman.

Tigrett, John B., Chicago, Ill. Helix projecting toy gun. 2,618,885, Nov. 25.

Tikkanen, Matti H. A.: *See*—
Hulthen, Sven I., and Tikkanen.

Tilbury, Lyle C., Hunt, Tex. Gate. 2,599,211, June 3.

Tilden, Carl V., Altadena, Calif. Drill bit. Re. 23,539, Aug. 26.

Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Electronic tube of the traveling wave type. 2,584,308, Feb. 5.

Tiley, Robert W., Ashland, Pa. Water-heating system. 2,598,860, June 3.

Tilford, Charles H.: *See*—
Shelton, Robert S., Farmer, and Tilford.
Shelton, Robert S., and Tilford.

Tilford, Charles H., Silverton, and M. G. van Campen, Jr., Wyoming, assignors to The Wm. S. Merrell Company, Cincinnati Ohio. Amino alcohol esters of aliphatic, alicyclic carboxylic acids. 2,583,450, Jan. 22.

Tilford, Charles H., Silverton, and R. S. Shelton, Marlemont, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Aryl pyridyl carbinol ethers. 2,606,195, Aug. 5.

Tillapaugh, Harley: *See*—
Ratenber, Edwin A., and Tillapaugh.

Tillapaugh, Harley, assignor to Gibson Refrigerator Company, Greenville, Mich. Electric cooking element and range top. 2,615,117, Oct. 21.

Tiller, Frances H., Carthage, Tex. Combined ironing board and iron holder. 2,593,937, Apr. 22.

Tiller, Hans, Zurich, and H. Schulz, Grenchen, Switzerland, assignors to Cyclopic Anstalt für Optik und Mechanik, Vaduz, Vaduz, Liechtenstein. Projection lens-system corrected for spherical, chromatic, comatic, astigmatic, and distortional aberrations. 2,603,127, July 15.

Tiller, James S.: *See*—
Waddell, Mathis T., Earhart, Love, and Tiller.

Tilles, Roy E., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Reinforced stocking. 2,584,944, Feb. 5.

Tilley, Aubra E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Automatic volume control circuit. 2,591,637, Apr. 1.

Tilley, Melvin M., Berkeley, Calif. Ball game. 2,607,591, Aug. 19.

Tillinger, Eugene: *See*—
Linton, Alfred E., and Tillinger.

Tillman, David A.: *See*—
McCutchen, Joe K., and Tillman.
McCutchen, Joseph K., and Tillman.

Tillyer, Edgar D.: *See*—
Moulton, Harold R., and Tillyer.

Tillyer, Edgar D., Southbridge, Mass., and A. H. Bennett, Kenmore, N. Y., assignors to American Optical Company, Southbridge, Mass. Aberration corrector member for image forming optical objectives. 2,596,799, May 13.

Tilo Roofing Company, Inc., assignee: *See*—
Brown, John R., and Read.

Tilson, Irving, Brooklyn, N. Y. Electrically actuated target game device. 2,586,121, Feb. 19.

Tilt-A-Door Corporation, assignee: *See*—
Smith, Wesley A.

Tilton & Cook Co., assignee: *See*—
Holden, Crofton C.

Tilton, Peter D., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Corner reflector float marker. 2,604,644, July 29.

Tilt-Type Products, Inc., assignee: *See*—
Spector, Sam, and Teplanszki.

Timble, Donald N., Bethesda, Md., assignor to Hastings Instrument Company, Inc., Hampton, Va. Navigation lane identification. 2,616,079, Oct. 28.

Timbs, Edward, assignee: *See*—
Conrad, William T.

Time, Incorporated, assignee: *See*—
Faeber, Harry W.
Faeber, Harry W., and O. and L. V. Dutro.
Faeber, Harry W., and O. V. and L. Dutro.
Hall, Vincent C.
Hall, Vincent C., and Moe.
Klyce, Battle H.
Leekley, Robert M.
Moe, William W.

Timer Research Corp., assignee: *See*—
Zuckerman, Milton.

Time Savers, Inc., assignee: *See*—
Arruda, Augustine.

Times Facsimile Corporation, assignee: *See*—
Carlson, Harold.
Cooley, Austin G.
Cooley, Austin G., and Busch.
Evans, Earl R.
Shonnard, John R.
Shonnard, John R., and Steen.

Timken-Detroit Axle Company, The, assignee: *See*—
Alden, Herbert W.
Barton, Carl E.
Buckendale, Lawrence R.
Buckendale, Lawrence R., and Elconin.
Cook, Charles A.
Hall, Cortice H.
Haugen, Edmond H.
Keese, Beverly W.
Lodge, Alvin.
Morgan, Mathew B.
Osborn, Paul V.
Pringle, William L.
Sutterfield, Noel H.
Wilson, John A., and Hansen.

Timken Roller Bearing Company, The, assignee: *See*—
Bergstrom, Albert L.
Devis, Earl L., and Unkefer.
Horger, Ralph E.
Laase, Charles A.
McNicoll, David.
Wagenhals, Robert E.
Weckstein, Samson M.
Zumstein, Paul M.

Timm Industries, Inc., assignee: *See*—
Rates, Paul R.

Timmerman, Johannes, Clifton, N. J. Apparatus for measuring muscular strength. 2,590,055, Mar. 18.

Timmerman, Robert W.: *See*—
Pianfetti, John A., and Timmerman.

Timmersman, David J. W.: *See*—
Norris, Lannie F., and Timmersman.

Timmins, George M., Ambler, Pa. Garden tool. 2,594,598, Apr. 29.

Timmins, Harold V., assignor to The Moto-Mower Company, Detroit, Mich. Power lawn mower. 2,623,343, Dec. 30.

Timmis, Geoffrey M., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparing pyrimidopyrazines. 2,581,889, Jan. 8.

Timmons, William D., assignor to Pretty Products, Inc., Coshocton, Ohio. Bathing cap. 2,613,358, Oct. 14.

Timpner, Henry, assignor of one-half to R. F. Krainz, Milwaukee, Wis. Hole spacing and centering device. 2,612,793, Oct. 7.

Timpte Bros., Inc., assignee: *See*—
Bissell, Raymond C.

Tims, Tony C., Hyattsville, Md. Pivoted door supporting clamp. 2,594,249, Apr. 22.

Tincher, Chester A., assignor of nineteen and one-half per cent to F. E. Johnson, seventy and one-half per cent to C. J. Johnson, and ten per cent to B. W. Morrow, Philomath, Oreg. Folder for perforated tape. 2,592,786, Apr. 15.

Tingley, Arthur N., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Knitted fabric. 2,594,521, Apr. 29.

Tingley Reliance Rubber Corporation, assignee: *See*—
Jackson, Walter C.
McCollum, William, Jr., and Wallace.

Tingstol Company, assignee: *See*—
Matyas, Frank A., and Mohrlein.

Tinius Olsen Testing Machine Company, assignee: *See*—
Stovall, John R., Jr.

Tinker, Herbert, South Hadley Falls, Mass. Adjustable parallel. 2,599,500, June 3.

Tinker, Leo H., San Gabriel, Calif. Electrical probe. 2,615,077, Oct. 21.

Tinker, Theodore B.: *See*—
Leo, Arnold G., and Tinker.

Tinker, Theodore B., New York, N. Y. Foldable stereoscopic device. 2,616,333, Nov. 4.

Tinker, Walter H., St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill. Dual discharge pump. 2,623,466, Dec. 30.

Tinker, William G.: *See*—
Klein, Chris, Skarin, and Tinker.

Tinkham, Charles W., Baltimore, Md. Static truck wheel balancer. 2,589,456, Mar. 18.

Tinkham, Thornton W., La Haska, Pa., assignor to Doeskin Products, Inc., New York, N. Y. Roll pull tab. 2,612,992, Oct. 7.

Tinkler, Frank H.: *See*—
Pratt, William J., and Tinkler.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Lock nut. 2,581,312, Jan. 1.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Lamp socket mounting and fastener therefor. 2,596,056, May 6.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,602,209, July 8.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,605,806, Aug. 5.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Separable fastener. 2,616,142, Nov. 4.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. End fitting for furniture legs. 2,618,009, Nov. 18.

Tinnerman, George A., and L. H. Flora, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Cable clamp or the like. 2,618,033, Nov. 18.

Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.
Flora, Laurence H., and Kelley.
Hartman, Richard A., and Flora.
Strange, John.
Tinnerman, George A.
Tinnerman, George A., and Flora.

Tintes, Hubert A., West Fargo, N. Dak. Portable elevator support. 2,621,777, Dec. 16.

Tinus, William C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object location system. 2,617,094, Nov. 4.

Tipler, William, London, England, assignor to Shell Development Company, San Francisco, Calif. Matrix for heat regenerators. 2,622,850, Dec. 23.

Tipper, Maynard J. G., Sacramento, Calif. Casing applier. 2,604,657, July 29.

Tipperman, Herbert L., Brooklyn, N. Y. Portable testing device. 2,607,829, Aug. 19.

Tippett, George B., St. Louis, Mo. Device for use in timing ignition systems. 2,602,328, July 8.

Tippett, George B., St. Louis, Mo. Device for use in timing ignition systems. 2,605,636, Aug. 5.

Tippet, Philip V., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane mill. 2,613,118, Oct. 7.

Tip-Top Products Company, assignee: *See*—
Hoffmann, Ernest, and Gresham.

Tirmont, Jean F. M.: *See*—
Ahier, Georges C., Champagnat, and Tirmont.

Tischler, Nathaniel, Palmyra, N. J., assignor to Sharples Chemicals Inc. Plant growth regulation. 2,609,286, Sept. 2.

Tiscione, Anthony, Brooklyn, N. Y. One-piece electric light socket. 2,605,317, July 29.

Tishler, Max: *See*—
Chamberlin, Earl M., and Tishler.
Howe, Eugene E., and Tishler.
Pierson, Earl, and Tishler.
Wilson, Evelyn H., and Tishler.

Tissier, Roger H., assignor to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Carburetor for aircaft engines without compressors. 2,619,334, Nov. 25.

Tissot, Carolyn E.: *See*—
Goodhue, Lyle D., and Tissot.

Titan Abrasives Company, assignee: *See*—
Doermann, Albert J.

Titan Valve and Manufacturing Company, The, assignee: *See*—
Van Denberg, Thomas F.
Van Denberg, Thomas F., and Bondurant.

Titchener, E. H., & Co., assignee: *See*—
Wayne, Edward T.

Titcomb, Albert S., Yardley, Pa. Abrasive block or segment. Re. 23,558, Sept. 30.

Titeflex, Inc., assignee: *See*—
Padgett, Philip M.

Titlestad, Nicolay, White Plains, N. Y., assignor to Nicolay Titlestad Corporation. Recovery of alkylation sludge acids. 2,588,331, Mar. 4.

Titlestad, Nicolay, Corporation, assignee: *See*—
Titlestad, Nicolay.

Titmas, Reginald W., Hickory Hill, Anderson, S. C. Plastic dispenser for disinfectants and the like. 2,620,097, Dec. 2.

Titone, Anthony J., Corona, N. Y. Preformed necktie. 2,596,739, May 13.

Titus, Charles H., Philadelphia, Pa., assignor to General Electric Company. Electrohydraulic trip device. 2,606,261, Aug. 5.

Titus, Charles L., South Hamilton, and E. W. Barrett, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Apparatus for inserting support wires in lamp stems. 2,590,904, Apr. 1.

Titus, Grover I., Laramie, Wyo. Rail splice. 2,610,799, Sept. 16.

Titus, Lena, executrix: *See*—
Aiello, Joseph.

Titus, Ralph E., Cincinnati, Ohio. Safety attachment for the inflation of tires. 2,609,037, Sept. 2.

Tixhon, Marie T., Herstal, and E. Laguesse, Leige, Belgium. Automatic obturator for the adduction of fluids. 2,593,938, Apr. 22.

Tizzard, Thomas W., Jr., Downers Grove, Ill., assignor to Westinghouse Air Brake Company. Crossover protection apparatus. 2,586,491, Feb. 19.

Tjaden, Freddia R., and R. Oestenstad, Jr., Fostoria, Iowa. Hen's nest. 2,617,384, Nov. 11.

Tjomsland, Eli H., Maywood, N. J. Shuffleboard weight with covered edges. 2,606,030, Aug. 5.

Tlustoš, Adolf, Kbely near Prague, Czechoslovakia. Casting reel for fishing rods. 2,622,823, Dec. 23.

Toastswell Company, Incorporated, The, assignee: *See*—
McCullough, Paul J.

Tobacco Machine Supply Company, Inc., assignee: *See*—
Giles, William J.

Tobey, Alton E., Santa Cruz, Calif. Apparatus for making rasp webs. 2,583,615, Jan. 29.

Toblas, Arthur R., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,620,670, Dec. 9.

Toblas, Herrmann B., Washington, D. C. Escape device. 2,617,287, Nov. 11.

Tobin-Arp Manufacturing Company, assignee: *See*—
Arp, Ewald A.

Tobler, Henry, Jr., Hopewell, Va., assignor to Celanese Corporation of America, New York, N. Y. Textile inspection apparatus. 2,583,674, Jan. 29.

Tocchetto, Rudolph R.: *See*—
Tocchetto, Virgil D. and R. R.

Tocchetto, Virgil D. and R. R., Montevideo, Uruguay. Adjustable louver for Venetian blinds. 2,623,251, Dec. 30.

Tocci-Guilbert, Berne: *See*—
Wells, Arthur N., Tocci-Guilbert, and Renstrom.

Tocci-Guilbert, Berne, San Francisco, Calif. Forming flexible joints in belting. 2,596,513, May 13.

Todaro, Casper A.: *See*—
Coons, Robert J., and Todaro.

Todd, Bryan J., and R. E. Turner, assignors to Associated Motorists Petrol Co. Ltd., Wellington, Wellington, New Zealand. Delivery of liquids from containers. 2,606,698, Aug. 12.

Todd, C., trustee, assignee: *See*—
Koch, Frederick.

Todd Company, Inc., The, assignee: *See*—
Neidich, George G.
Payne, Walter B.

Todd, Floyd, Springfield, Pa. Vacuum gauge. 2,584,945, Feb. 5.

Todd, Floyd, Springfield, assignor to Fisher Scientific Company, Pittsburgh, Pa. Gas burner with flame retention ports. 2,594,094, Apr. 22.

Todd, Floyd, Springfield, Pa. Liquid flow proportioning apparatus. 2,601,971, July 1.

Todd, Floyd, Springfield, Pa. Retainer for plug valve barrels. 2,621,887, Dec. 16.

Todd, John H., Cleveland Heights, Ohio. Safety pin. 2,598,198, May 27.

Todd, Max E.: *See*—
Fausset, Ernest R., and Todd.

Todd, Raymond W., and F. E. Fuchs, assignors to Aquaness Corporation, Houston, Tex. Treating petroleum emulsions. 2,597,204, May 20.

Todd, Russell T., assignor to The McKay Machine Company, Youngstown, Ohio. Side guide construction for sheet metal uncoilers. 2,622,655, Dec. 23.

Todd Shipyards Corporation, assignee: *See*—
Cauthen, Aubrey B.

Todd, William, Neptune City, N. J., assignor to the United States of America as represented by the Secretary of War. Modulator for radiosonde apparatus. 2,613,347, Oct. 7.

Todd, William L.: *See*—
Greenberg, Elbert E., Felbel, and Todd.

Toelke, Lester W., Houston, Tex., assignor to McCullough Tool Company. Plugging device. 2,621,744, Dec. 16.

Toelke, Lester W., Houston, Tex., assignor to McCullough Tool Company. Setting tool. 2,621,745, Dec. 16.

Toelke, Lester W., Houston, Tex., assignor to McCullough Tool Company. Severable safety joint for pipe strings. 2,621,895, Dec. 16.

Toensfeldt, Kurt, Port Washington, N. Y., assignor to Combustion Engineering-Superheater, Inc. Electric steam generator and control means therefor. 2,623,980, Dec. 30.

Toensmeier, Patrick A., Catonsville, assignor to The Bartgis Brothers Company, Ilchester, Md. Carton. 2,609,137, Sept. 2.

Toepel, Florian C., Seattle, Wash. Garbage incinerating unit. 2,592,491, Apr. 8.

Toepfer, Francis H., M. G. Lutz, and C. Chadock, Tremont, assignors to Jansen & Schaefer Incorporated, Pekin, Ill. Road forming attachment for motor graders. 2,616,193, Nov. 4.

Toffiemire, Benjamin F., Lafayette, Calif. Matrix band retainer for anterior teeth and traction instruments therefor. 2,588,059, Mar. 4.

Toffiemire, Benjamin F., Lafayette, Calif. Anatomical contact-forming dental matrix band. 2,591,744, Apr. 8.

Toffiemire, Benjamin F., Lafayette, Calif. Contra-angle retainer for use with gingival-aperture and cusp-replacing dental matrix bands. 2,591,745, Apr. 8.

Toffiemire, Benjamin F., Lafayette, Calif. Gingival-aperture dental matrix band. 2,594,367, Apr. 29.

Toffiemire, Benjamin F., Lafayette, Calif. Anatomical contact-forming dental matrix band for anterior teeth. 2,611,182, Sept. 23.

Toft, Howard L., Caldwell, Idaho. Beet topper. 2,605,601, Aug. 5.

Tognetti, Charles, Union City, N. J. Game apparatus for chance-selected indications. 2,593,631, Apr. 22.

Tognola, Tullio, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition system. 2,589,164, Mar. 11.

Tok, Inc., assignee: *See*—
Howell, Robert V.

Tokheim Oil Tank and Pump Company, assignee: *See*—
Hill, Robert H.
Hill, Robert H., and Foss.

Tokunaga, George T., San Francisco, Calif. Rake. 2,603,058, July 15.

Tolan, Ronald F., Maplewood, assignor to R. P. Dickinson, Robertson, Mo. Portable beverage dispenser. 2,620,107, Dec. 2.

Toland, Wayne G., Canton, Ill., assignor to International Harvester Company. Indicator for hydraulic rams. 2,589,896, Mar. 18.

Toland, Wayne G., Canton, Ill, assignor to International Harvester Company. Tractor-mounted implement. 2,611,304, Sept. 23.

Toland, Wayne G., Canton, Ill., assignor to International Harvester Company. Hydraulic ram attachment for implements. 2,613,584, Oct. 14.

Toland, William G., Richmond, assignor to California Research Corporation, San Francisco, Calif. Preparation of unsaturated ketones. 2,623,073, Dec. 23.

Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Oxidation of aromatic compounds containing oxygenated side chains. 2,587,666, Mar. 4.

Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Tetra (carboxy phenyl) thiophene and making same. 2,610,191, Sept. 9.

Tolbert, Arthur A., assignor to Tex Tan of Yoakum, Yoakum, Tex. Billfold. 2,609,025, Sept. 2.

Toledo Plate & Window Glass Company, The, assignee: *See*—
Hoffley, Howard H.
Jones, Norman B.

Toledo Scale Company, assignee: *See*—
Clague, James D., and Anstice.
Fink, Walter A., and Brown.
Guss, William A.
Hart, Norman E.
Hart, Norman E., and Guss.
Hem, Halvor W.
Kendall, Donald B.
Kendall, Donald B., and Burson.
Lindner, Arthur E., and Burtscher.
Little, John M., and Blank.
Marco, Salvatore M.
Marco, Salvatore M., and Davis.
Marshall, Charles O., Jr., and Yeasting.
McIntosh, Harris.
Moree, Leland E.
Weckerly, Mark A.
Williams, Lawrence S.
Wood, George R.
Yeasting, Maynard C.

Tolen, Willard R., Riverside, Calif. Heating and cooling system for beds. 2,585,517, Feb. 12.

Tolhurst, William T.: *See*—
Hale, Albert L., and Tolhurst.

Tolkin, Irving N., Hewlett Harbor, assignor to Style Undies, Inc., New York, N. Y. Child's slip. 2,598,622, May 27.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. S-(ethylxanthoyl) piperidyl thiophosphoric chloride. 2,592,617, Apr. 15.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Bis(ethylxanthoylthioxy)-piperidyl-phosphine oxides and sulfides. 2,592,618, Apr. 15.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. O-ethyl S-(ethylxanthoyl) piperidyl thiophosphate. 2,592,619, Apr. 15.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Ethylxanthoylthioxy-piperidyl-cyanophosphine oxide. 2,592,620, Apr. 15.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Ethylxanthoylthioxy-dipiperidyl-phosphine sulfide. 2,592,621, Apr. 15.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Tris (tetraalkyldiamidophosphoryl) phosphates. 2,620,355, Dec. 2.

Tolle, Karl, assignor to Eastman Kodak Company, Rochester, N. Y. Wide-angle lens attachment with front element of high index glass. 2,582,085, Jan. 8.

Tollefsen, Reidar A.: *See*—
Hastings, Warren W., and Tollefsen.

Tollenaar, Frederik D., Utrecht, assignor to Nederlandse Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Preserving foodstuffs which are subject to the attack of fungi. 2,586,274, Feb. 19.

Tollett, Wesley E.: *See*—
Garrett, James M., and Tollett.

Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Automatic valve for fluid control. 2,620,829, Dec. 9.

Tollison, Paul L.: *See*—
Tornberg, Isidor, and Tollison.

Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web roll accelerating apparatus. 2,601,071, June 17.

Tollison, Paul L., North Plainfield, and C. L. Ricards, South Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Plate stop mechanism for stereotype plate registering and trimming machines. 2,581,220, Jan. 1.

Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Automatic tuning for radio receivers. 2,620,436, Dec. 2.

Tom, Harry L., San Francisco, Calif. Toy helicopter. 2,622,367, Dec. 23.

Tom, John E., East Cleveland, Ohio. Drawbar operable transmission mechanism. 2,591,746, Apr. 8.

Tom, John E., East Cleveland, assignor to Earl Realty Company, Cleveland, Ohio. Tractor attachment. 2,595,023, Apr. 29.

Tom, John E., East Cleveland, assignor to Earl Realty Company, Cleveland, Ohio. Lawn mower. 2,603,932, July 22.

Tom, Theodore B.: *See*—
Krause, Jack H., and Tom.

Tom, Theodore B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stabilized hydrocarbon liquids. 2,597,205, May 20.

Tom, Theodore B., Hammond, Ind., and J. A. Bolt, assignors to Standard Oil Company, Chicago, Ill. Mercaptan extraction. 2,585,284, Feb. 12.

Toman, Florian A. J., San Bernardino, Calif. Mustard and catsup dispenser. 2,599,955, June 10.

Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Tie holder. 2,605,000, July 29.

Tomarin, Harry A., assignor of fifty per cent to J. W. Kinney, Jr., Cincinnati, Ohio. Dispensing container. 2,616,610, Nov. 4.

Tomarkin, Wanda, Rockaway Park, N. Y. Scarf. 2,600,814, June 17.

Tomasek, Herbert F., and F. Zimmer, assignors, by mesne assignments, to Reddi-Wip, Inc., St. Louis, Mo. Dispensing valve for liquid and gas containers. 2,615,597, Oct. 28.

Tomášik, Karel, Vsetin, Czechoslovakia. Suspending arrangement for curtains. 2,589,585, Mar. 18.

Tomb, Robert E., Indiana, Pa. Self-closing safety pin. 2,618,035, Nov. 18.

Tomblin, James M.: *See*—
Langley, Carl F., Little, and Tomblin.

Tomblin, Jesse C., assignee: *See*—
Langley, Carl F., Little, and Tomblin.

Tombolini, Alfredo, Milan, Italy. Type bar actuating mechanism for typewriters. 2,582,803, Jan. 15.

Tombs, Reginald A., Toronto, Ontario, Canada. Igniter for matches. 2,604,390, July 22.

Tomchin, Robert, Woodmere, assignor to Philips Mfg. Company, Brooklyn, N. Y. Collapsible box cradle. 2,619,768, Dec. 2.

Tomeo, John J., Queens Village, N. Y. Adjustable mirror bracket. 2,591,318, Apr. 1.

Tomietto, Elio, Buenos Aires, Argentina. Rolling curtain. 2,598,861, June 3.

Tomkins, Harold, Walsall, England, assignor to Reliance Pet Supply Inc., New York, N. Y. Spring link coupling for dog leads, baby harness or the like. 2,614,834, Oct. 21.

Tomkins-Johnson Company, assignee: *See*—
Cranor, Gifford B.

Tomkins, Walter M. Hinsdale, and C. E. Magnus, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Agitating pressure cooker. 2,601,645, June 24.

Tomlin, Andrew, Hudson, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanization of rubber with aromatic sulfonamide activators. 2,590,737, Mar. 25.

Tomlin, Edward A., Jr.: *See*—
Manger, Arthur O., and Tomlin.

Tomlin, Frederick M., Detroit, Mich. Guard and locater for electrical outlet boxes. 2,620,080, Dec. 2.

Tomlinson, Fay M., Lakewood, Ohio. Safety razor. 2,607,112, Aug. 19.

Tomlinson, Fay M., Lakewood, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,616,158, Nov. 4.

Tomlinson, George: *See*—
Senior, Henry, and Tomlinson.

Tomlinson, George H., Montreal, Quebec, and J. N. Swartz, Cornwall, Ontario, assignors to Canada Paper Company, Montreal, Quebec, Canada. Apparatus for concentrating residual pulp liquor by direct contact with flue gases. 2,590,905, Apr. 1.

Tomlinson, George H., Montreal, Quebec, and G. H. Tomlinson II, Cornwall, Ontario, assignors to Howard Smith Paper Mills, Limited, Montreal, Quebec, Canada. Recovering heat and chemicals from the residual liquor resulting from the digestion of cellulosic fibrous material. 2,593,503, Apr. 22.

Tomlinson, George H., II: *See*—
Tomlinson, George H., and G. H. Tomlinson, II.

Tomlinson, George H., Jr.: *See*—
Raff, Rudolf A. V., and Tomlinson.

Tomlinson, John R., Duncan, Okla. Remote-control valve system. 2,622,621, Dec. 23.

Tomlinson, William D.: *See*—
Scheer, Lester O., Tomlinson, and Trogdon.

Tomola, Anthony G., Fairport Harbor, Ohio. Egg opener. 2,612,921, Oct. 7.

Tomoser, Herbert, Kenmore, N. Y. Thermostatic valve. 2,602,592, July 8.

Tompers, Theodore C., Susanville, Calif. Cable splicing sleeve with sealing chambers. 2,621,228, Dec. 9.

Tom-Petersen, Ditlev, Odense, Denmark. Longitudinal and transversal bulkheads in ships. 2,581,890, Jan. 8.

Tompkins, Charles B.: *See*—
Coombs, John M., and Tompkins.

Tompkins, Edward D. V., New York, N. Y. Dual reciprocating blade sawing apparatus. 2,591,747, Apr. 8.

Tompkins, J. Everette, assignee: *See*—
Duerr, Carl F., Jr.
Osterhus, Ervin J.
Tompkins, John E.

Tompkins, John E., assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer and ten one-hundredths to J. E. Tompkins. Circular saw safety guard. 2,589,309, Mar. 18.

Tompkins, John E., assignor, by mesne assignments of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Machine tool with motor-driven rotary and axially fed tools. 2,621,686, Dec. 16.

Toms, William A., High Wycombe, England. Reversible cushion device. 2,585,415, Feb. 12.

Tomsche, Carl L., Burbank, Calif. Window construction. 2,588,432, Mar. 11.

Tomusko, Edward, Cleveland, Ohio. Machine for drying and bagging frozen confections. 2,608,329, Aug. 26.

Toncray, Millard H., and F. S. Spring, Grosse Pointe, assignors to Hudson Motor Car Company, Detroit, Mich. Motor vehicle. 2,593,632, Apr. 22.

Tondreau, Albert W., Westwood Village, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Obtaining registry between separately photographed action scenes. 2,615,364, Oct. 28.

Tondreau, Albert W., Westwood Village, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Multiple film printer. 2,622,475, Dec. 23.

Tone, Frank J., and H. C. Martin, assignors to The Carborundum Company, Niagara Falls, N. Y. Coated abrasive article and making the same. 2,595,733, May 6.

Tong, Jerry E., and M. McBiles, Carlsbad, N. Mex., said Tong assignor to International Minerals & Chemical Corporation. Current collector. 2,610,263, Sept. 9.

Tonge, William R., and R. H. Gill, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Separable fastening apparatus for structure wall attachments. 2,585,285, Feb. 12.

Tonn, Arthur W., Massillon, Ohio. Electric connector adapter. 2,598,862, June 3.

Tonn, Christ, Minneapolis, and F. B. Pine, St. Paul, assignors to H. V. Keller Manufacturing Co., Minneapolis, Minn. Ironing table having folding supports. 2,582,180, Jan. 8.

Tonnelé, André M., Fez, Morocco. Automatic device for landing aircraft. 2,613,889, Oct. 14.

Tonnessen, Adolph, deceased, Stavenger, Norway; by J. B. M. Tonnessen, L. Tonnessen, J. Tonnessen, A. Tonnessen, Jr., M. Tonnessen and G. Tonnessen, Heirs, assignors to A. Gilje, Stavanger, Norway. Cylinder type lock with plural tumbler sets. 2,618,957, Nov. 25.

Tonnessen, Adolph, Jr., heir: *See*—
Tonnessen, Adolph.

Tonnessen, Gerda, heir: *See*—
Tonnessen, Adolph.

Tonnessen, Johan, heir: *See*—
Tonnessen, Adolph.

Tonnessen, Johanne B. M., heir: *See*—
Tonnessen, Adolph.

Tonnessen, Lars, heir: *See*—
Tonnessen, Adolph.

Tonnessen, Marthin, heir: *See*—
Tonnessen, Adolph.

Toolan, John J., and A. E. Reiman, assignors, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin switch. 2,594,826, Apr. 29.

Toomey, John A., and C. F. Carlstrom, Worcester, Mass. Utility height adjustable crib. 2,599,296, June 3.

Toomin, Hershel: *See*—
De Kanski, Leon M., and Toomin.

Toomin, Hershel, Douglaston, N. Y. Derivative control of servo systems. 2,615,149, Oct. 21.

Toone, Conrad, Pocatello, Idaho, assignor to Armour and Company, Chicago, Ill. Making cheese. Re. 23,489, Apr. 29.

Toop, Dorothy, assignee: *See*—
Toop, Frederick.

Toop, Frederick, assignor of twenty-five percent to D. Toop, twenty-five percent to A. Freitas, and twenty-five percent to R. Freitas, New York, N. Y. Dual valve selective control handle assembly for combination faucets. 2,582,804, Jan. 15.

Toorell, Sture, and E. Grip, assignors to Aktiebolaget Atvidaberg Facit, Atvidaberg, Sweden. Short-cut multiplying machine. 2,611,539, Sept. 23.

Toorks, William P., Roxbury, assignor to Sylvania Electric Products Inc., Salem, Mass. Coating electron emissive cathodes. 2,613,164, Oct. 7.

Toot, David F., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Electrical circuit for transmission controls. 2,606,457, Aug. 12.

Tootal Broadhurst Lee Company Limited, assignee: *See*—
Foulds, Robinson P.

Topa, John W.: *See*—
Whipple, Jack Van H., and Topa.

Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Computing device having compound drive rate multiplier. 2,580,862, Jan. 1.

Toppi, Luigi, Detroit, Mich. Method and apparatus for shaping ingots. 2,621,394, Dec. 16.

Topping, Eugene, Brooklyn, N. Y. Low-pressure alarm for lubricating systems. 2,615,419, Oct. 28.

Topping, Kenneth E.: *See*—
Milliken, George A., and Topping.

Torchet, Pierre, Pernenil-sur-Seine, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Electrolytically refining aluminum. 2,582,661, Jan. 15.

Torgerson, Earl, Minneota, Minn. Spraying apparatus. 2,605,135, July 29.

Torgersen, Raymond A., assignor to Standard Hosiery Mills, Inc., Burlington, N. C. High-back heel structure for seamless hose and method. 2,608,847, Sept. 2.

Torigian, John, New York, N. Y. Ampoule washing machine. 2,619,976, Dec. 2.

Torkelson, Frank C., Salt Lake City, Utah. Bleacher frame construction. 2,584,066, Jan. 29.

Torkelson, Torkel E., Baldwin, N. Y., assignor to The McBee Company, Athens, Ohio. Machine for imprinting and punching cards. 2,620,726, Dec. 9.

Torman, Theodore: *See*—
Botvin, Irving E., and Torman.

Tornado Manufacturing Company, Inc., assignee: *See*—
Penno, Glenn J.

Tornberg, Isidor, Plainfield, and P. L. Tollison, North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Pump operating and control mechanism for stereotype plate casting machine. 2,619,694, Dec. 2.

Tornes, Ferdinand, and N. J. Liaaen, Aalesund, Norway. Variable pitch propeller blade root construction. 2,612,229, Sept. 30.

Törnros, Eugén: *See*—
Carlsson, Johan E., Landau, and Törnros.

Torode, Stanley W.: *See*—
Bartelink, Everhard H. B., Torode, and Walker.

Toronto Star Limited, The, assignee: *See*—
Sykes, Thomas R.
Wallace, Richard E., and Sykes.

Toronto, Thomas, Grand View, assignor to Robert Gair Company, Inc., New York, N. Y. Apparatus for stacking sheet material. 2,596,448, May 13.

Torpedo Werke Aktiengellschaft, Fahrräder und Schreibmaschinen, assignee: *See*—
Gissel, Adolf, and Reuter.

Torr, David, New York, N. Y., assignor to C. J. Ely, Oakland, N. J. Treating animal bones. 2,622,027, Dec. 16.

Torr, David, New York, N. Y., assignor to C. J. Ely, Oakland, N. J. Preparing poultry products. 2,622,028, Dec. 16.

Torr, David, New York, N. Y., assignor to C. J. Ely, Oakland, N. J. Treating organic non-calcareous animal products. 2,622,029, Dec. 16.

Torre, Alton J., Westmont, N. J., assignor to Radio Corporation of America. Triode mixer construction. 2,601,467, June 24.

Torre, Alton J., Westmont, N. J., assignor to Radio Corporation of America. Safety control for minimizing shock hazard from related parts of electrical apparatus. ♀ 604,583, July 22.

Torregrossa, Robert E., and R. D. Babington, Bogalusa, La. Collapsible paper rewinding shaft. 2,594,095, Apr. 22.

Torrelli, Frank, Buffalo, N. Y. Curb form. 2,611,169, Sept. 23.

Torrence, George W., Wilmington, Del. Telephone base and index. 2,608,024, Aug. 26.

Torrence, Maynard F., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing rubber. 2,609,405, Sept. 2.

Torrence, Walter S., San Antonio, Tex. Backlash stopper for fishing reels. 2,600,939, June 17.

Torres, Roberto, Mexico City, Mexico. Vehicle supporting structure. 2,623,744, Dec. 30.

Torrés Veliz, José, Habana, Cuba. Seal for nonrefillable bottles. 2,598,024, May 27.

Torrese, Apollo, assignor of one-third to P. Altiere and one-third to L. Altiere, Philadelphia, Pa. Hot beverage maker and dispenser. 2,601,943, July 1.

Torrey, Lee E., Ypsilanti, assignor to King-Seeley Corporation, Ann Arbor, Mich. Drill press. 2,614,007, Oct. 14.

Torricelli Creations, Inc., assignee: *See*—
Torricelli, Ugo.

Torricelli, Ugo, assignor to Torricelli Creations, Inc., New York, N. Y. Pleated protective shield. 2,619,646, Dec. 2.

Torricelli, Ugo, assignor to Torricelli Creations, Inc., New York, N. Y. Distortion image device. 2,619,870, Dec. 2.

Torricelli, Ugo, assignor to Torricelli Creations, Inc., New York, N. Y. Reflex action measuring device. 2,619,956, Dec. 2.

Torrington Manufacturing Company, The, assignee: *See*—
Morrison, William E.
Sampatacos, Peter M.

Torsch, Charles E., assignor to Bendix Aviation Corporation, Towson, Md. Audio-power switching system for radio-television receiver combinations. 2,610,251, Sept. 9.

Torseth, John H., Fargo, N. Dak. Commercial truck body. 2,600,140, June 10.

Torsion Balance Company, The, assignee: *See*—
Pezdic, John F.

Torstenson, Henry A., assignee: *See*—
Wandel, Oscar A.

Tor-Vel Associates, assignee: *See*—
Watson, Sydney C.

Tostevin, Walter C., Mandan, N. Dak. Gyroscopically controlled dirigible lamp. 2,606,999, Aug. 12.

Tota, Kenneth P.: *See*—
Banks, Ernest B., and Tota.

Total, Henri, assignor to Machines Automatiques Bardet (Societe Anonyme), Paris, France. Machine for making up parcels and packages. 2,609,646, Sept. 9.

Toth, Alexander E., East Toledo, Ohio. Mechanism for puncturing containers and dispensing liquids therefrom. 2,603,385, July 15.

Toth, August: *See*—
Faulkner, James, and Toth.

Toth, Emerick, Takoma Park, Md. Inductively coupled compensator. 2,587,667, Mar. 4.

Toth, Emerick, Takoma Park, Md., and G. H. Burbage, Washington, D. C. Shaft position control mechanism. 2,612,050, Sept. 30.

Toth, John J., Wilmington, Del. Folding ironing board and cabinet therefor. 2,609,628, Sept. 9.

Toth, Louis, Flushing, N. Y. Storm window. 2,611,156, Sept. 23.

Toth, Michael C., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Warning and lubricating device for hot journals. 2,599,672, June 10.

Totten, Arthur I., Jr., assignor to Reynolds Metals Company, Richmond, Va. Label for re-usable bottles. 2,613,168, Oct. 7.

Totzek, Friedrich, Essen-Ruhr, Germany, assignor to Koppers Company, Inc., Pittsburgh, Pa. Method and apparatus for the production of iron. 2,605,180, July 29.

Toublanc, Eugéne, Nantes, France. Machine for roughening leather and plastic materials. 2,614,411, Oct. 21.

Touborg, Jens, Tecumseh, Mich., assignor to Tresco, Inc. Hermetic refrigeration compressor. 2,587,246, Feb. 26.

Touborg, Jens K., Tecumseh, Mich. assignor, by mesne assignments, to Tresco, Inc. Refrigerant separator and dehydrator. 2,589,457, Mar. 18.

Touch, Arthur G.: *See*—
Bowen, Edward G., Taylor, Williams, Brown, and Touch.

Touchett, Vern T.: *See*—
Pharris, John A., Fohl, and Touchett.

Touchman, William S., Milwaukee, Wis. Fabricating mechanism. 2,610,550, Sept. 16.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Apparatus for plating metal strips. 2,580,976, Jan. 1.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Making layered sponge products of varying densities. 2,586,275, Feb. 19.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Making containers. 2,592,081, Apr. 8.

Toulmin, Harry A., Jr., assignor to New Wrinkle, Inc., Dayton, Ohio. Ornamental wrinkle films. 2,595,734, May 6.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Counter arrangement and seat therefor. 2,607,085, Aug. 19.

Toulon, Pierre M. G., Neuilly-sur-Seine, France, assignor to Products & Licensing Corporation, New York, N. Y. Color television by multielement glow lamp screen. 2,595,617, May 6.

Toulon, Pierre M. G., assignor to Products & Licensing Corporation, New York, N. Y. High-frequency relay. 2,581,984, Jan. 8.

Toulon, Pierre M. G., assignor to Products and Licensing Corporation, New York, N. Y. Television apparatus and method for phase-shift scanning. 2,623,196, Dec. 23.

Toulon, Pierre M. G., Paris, France, assignor to Products & Licensing Corporation, New York, N. Y. Contact arc suppression. 2,595,024, Apr. 29.

Toulon, Pierre M. G., Paris, France, assignor to Products & Licensing Corporation, New York, N. Y. Light diffusing surface made out of electrooptical elements controlled electrostatically. 2,595,616, May 6.

Toulon, Pierre M. G., Paris, France, assignor to Products & Licensing Corporation, New York, N. Y. Spark gap generator. 2,622,201, Dec. 16.

Touraton, Emile, and C. Dumoussean, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Velocity modulation tube. 2,610,306, Sept. 9.

Touraton, Emile, and R. Zwobada, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Hyperfrequency electron tube. 2,610,308, Sept. 9.

Tournier, Marcel, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Manufacture of artificial crystals. 2,589,310, Mar. 18.

Tourshou, Simeon I.: *See*—
Achenbach, John C., Tourshou, and Mackey.
Longo, John, Tourshou, and Lewis.

Tourshou, Simeon I., Philadelphia, Pa., and R. G. Wolcott, Haddon Heights, N. J., assignors to Radio Corporation of America. Deflection system. 2,580,977, Jan. 1.

Tousey, Richard, Forest Heights, Md. Gun sight having a plurality of illuminated reticles. 2,584,171, Feb. 5.

Touson, Isaac, Buenos Aires, Argentina. Artificial limb. 2,599,297, June 3.

Toussaint, August L., Elmhurst, Ill. Woodworking hand power tool. 2,589,458, Mar. 18.

Toussaint, Norbert F.: *See*—
Kramsky, Irwin, and Toussaint.

Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Method and apparatus for wetting baled tobacco. 2,591,026, Apr. 1.

Touvay, Robert: *See*—
Bousseau, Pierre, and Touvay.

Touvay, Robert R. G., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for making lenses. 2,587,926, Mar. 4.

Tow, James O., Huntington Park, assignor to McCullough Tool Company, Los Angeles, Calif. Casing perforating gun. 2,591,319, Apr. 1.

Tow, James O., Huntington Park, assignor to McCullough Tool Company, Los Angeles, Calif. Internally fired perforating gun. 2,597,409, May 20.

Tow, James O., Huntington Park, assignor to McCullough Tool Company, Vernon, Calif. Perforating gun for well casings. 2,605,834, Aug. 5.

Towbar Sales Co., assignee: *See*—
Marsh, Ernest J.

Towle, Warren L., Akron, Ohio, assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Production of butadiene monochlorohydrin. 2,592,977, Apr. 15.

Towler, Frank H.: *See*—
Towler, John M. and F. H.

Towler, John M., Harrogate, and F. H. Towler, Otley, England. Antisurge control and exhaust valve for hydraulic apparatus. 2,590,137, Mar. 25.

Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, near Leeds, England. Hydraulic system for supplying pressure liquid to motors of hydraulic machines. 2,601,675, June 24.

Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, England. Reciprocating ram pump. 2,604,855, July 29.

Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, England. Piston type control valve for hydraulic presses. 2,609,794, Sept. 9.

Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, England. Hydraulic control system for hydraulic piston type control valves. 2,620,777, Dec. 9.

Towler, Juby E., Danville, Va. Garment hanger with theft alarm. 2,620,761, Dec. 9.

Towmotor Corporation, assignee: *See*—
Daniels, Lee C.
Frischmann, Joseph A.
Frischmann, Joseph A., and Oster.
Herman, Raymond J.
Shaffer, Walter M.
Weaver, Elverton W.

Towne, Edmund B., and H. M. Hill, assignors to Eastman Kodak Company, Rochester, N. Y. 2,3,4,4,5,5-hexachloro-2-cyclopentenone insecticidal compositions. 2,588,997, Mar. 11.

Towne, Edmund B., and H. M. Hill, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing indole compounds. 2,607,779, Aug. 19.

Towne, Richard S., South Bend, Ind., assignor to General Aniline & Film Corporation, New York, N. Y. Addition of monobasic organic acids to the esters of monohydric alkynols. 2,594,827, Apr. 29.

Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston. 2,601,344, June 24.

Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Strut type piston. 2,607,643, Aug. 19.

Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston casting machine. 2,621,380, Dec. 16.

Townsend, Charles S.: *See*—
Janser, Arthur M. J., and Townsend.

Townsend Citrus Supply Company, assignee: *See*—
Merrion, Earl P.

Townsend Engineering Company, assignee: *See*—
Townsend, Ray T.

Townsend, Frederick H., assignor to Cathodeon Limited, Cambridge, England. Cathode-ray tube. 2,583,500, Jan. 22.

Townsend, Frederick H., assignor to Cathodeon Limited, Cambridge, England. Electrical apparatus for vacuum measurement. 2,609,423, Sept. 2.

Townsend, H. P., Manufacturing Company, The, assignee: *See*—
Eaton, Gerald.

Townsend, Joseph R.: *See*—
Betner, Thomas E., and Townsend.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparing glow discharge devices. 2,583,029, Jan. 22.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge device. 2,606,309, Aug. 5.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode glow discharge device. 2,607,015, Aug. 12.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating circuits utilizing glow discharge devices. 2,607,891, Aug. 19.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous discharge device. 2,607,902, Aug. 19.

Townsend, Percival J., Thornton Heath, England, assignor to The National Cash Register Company, Dayton, Ohio. Calculating and similar accounting machine. 2,616,548, Nov. 4.

Townsend, Ray T., assignor to Townsend Engineering Company, Des Moines, Iowa. Steak skinner. 2,619,143, Nov. 25.

Townsend, Rex, Greenwich, Conn.. Wrapper for candy bars or the like. 2,596,620, May 13.

Townsend, Vernon G.: *See*—
Akerman, John D., and Townsend.

Townshend, Ernest F. R., Waterlooville, England. Changing device for internal-combustion engines. 2,591,892, Apr. 8.

Towt, Louis V., Los Angeles, Calif., assignor to McCormick & Company, Incorporated, Baltimore, Md. Dehydrating and curing vanilla fruit. 2,621,127, Dec. 9.

Toxby, Thomas, Holte, Denmark, assignor to C. K. Williams & Co., East St. Louis, Ill. Making iron oxide pigment. 2,620,261, Dec. 2.

Toy, Arthur D. F., Chicago, and L. V. Brown, Riverdale, Ill., assignors to Victor Chemical Works. Copolymers of di beta, gamma unsaturated alkenyl alpha, beta unsaturated alkenylphosphonates with unsaturated alkyd resins. 2,586,884, Feb. 26.

Toy, Arthur D. F., Chicago, and L. V. Brown, Riverdale, Ill., assignors to Victor Chemical Works. Copolymers of beta, gamma unsaturated alkenyl esters of aryl phosphonic acid with unsaturated alkyd resins. 2,586,885, Feb. 26.

Toy Founders, Inc., assignee: *See*—
Gray, Benjamin A., and Sabo.

Toy, John A., and P. Rethoret, Eugene, Oreg. Chain saw grinder 2,589,165, Mar. 11.

Toycraft Corporation, assignee: *See*—
Smith, Jay I.

Tracerlab, Inc., assignee: *See*—
Clarke, Eric T.

Tracey, Richard D., Lexington, Mass. Trailer tongue with lifting means. 2,606,744, Aug. 12.

Tracht, Paul A.: *See*—
Schueder, George M., Krokos, and Tracht.

Trackson Company, assignee: *See*—
Erdahl, Nicholas M.

Tractor Sales Corp., The, assignee: *See*—
Everett, Woodrow W.

Tracy, Clarence S., assignor of thirty per cent to J. Karwacki, Chicago, Ill. Utility bookholder. 2,597,206, May 20.

Tracy, Florence F., Daytona Beach, Fla. Support for service trays. 2,593,222, Apr. 15.

Tracy, Glen M., assignor to Wright Machinery Company, Durham, N. C. Automatic weighing machine. 2,595,908, May 6.

Tracy, Marian M., assignee: *See*—
Tracy, Mearl V.

Tracy, Mearl V., assignor of fifty percent to M. M. Tracy, Pasadena, Calif. Automatically clamping work supporting stand. 2,605,795, Aug. 5.

Tracy, William L., Port Washington, N. Y., assignor to The Sperry Corporation. Gyroscopic apparatus. 2,602,334, July 8.

Trad, Victor, Deal, N. J. Timing device. 2,601,010, June 17.

Tradewinds, Inc., assignee: *See*—
Erickson, Charles E.

Traenkner, Frederick O., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Surface treatment of molds. 2,618,032, Nov. 18.

Trafton, Raymond E., Paton, Iowa. Line carrier. 2,591,638, Apr. 1.

Trahan, Claudie R., Kountze, Tex. Rotary table drive connection. 2,613,060, Oct. 7.

Trahan, Leo J., Cohoes, N. Y. Apparatus for forming corners. 2,591,320, Apr. 1.

Trail, Herbert H., assignor to Fuller Manufacturing Co., Kalamazoo, Mich. Cooling and expansion tank for hydraulic drives. 2,603,238, July 15.

Traill, David: *See*—
Simpson, George K., and Traill.

Trailmobile Inc., assignee: *See*—
Beyer, Frank A., and Bradley.
Beyer, Frank A., Bradley and Crank.
Black, James J.

Trainer, Richard P.: *See*—
Border, Lawson E., and Trainer.

Trainer, Richard P., Amityville, N. Y., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for treating hydrocarbon oils. 2,595,909, May 6.

Trainer, Richard P., Amityville, N. Y., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif. Control of flow of fluidized solids. 2,601,676, June 24.

Trainer, Richard P., Amityville, N. Y., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, Emeryville, Calif. Catalyst stripping and apparatus therefor. 2,618,074, Nov. 18.

Trainer, Richard P., Alton, Ill., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, Emeryville, Calif. Apparatus for treating hydrocarbon oils. 2,618,535, Nov. 18.

Trainor, Foster J., Holly Hill, Fla. Electric snap switch. 2,592,357, Apr. 8.

Trainor, Robert J., assignor to E. E. Crowe, El Monte, Calif. Citrus fruit juice extractor. 2,602,479, July 8.

Tramblay, Robert, assignor to Houilleres du Bassin du Nord et du Pas de Calais, Douai, France. Pusher conveyor with sectional trough. 2,590,802, Mar. 25.

Tramm, Heinrich, Speldorf, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Producing a compound fertilizer. 2,611,691, Sept. 23.

Tramontini, Vernon N.: *See*—
Allen, George W., and Tramontini.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Control valve. 2,600,705, June 17.

Trampler, Edward, Loveland, Ohio. Machine for spreading road surfacing material. 2,586,396, Feb. 19.

Tranbarger, Dale O., Seattle, Wash. Waste material disposal apparatus. 2,594,250, Apr. 22.

Trane Company, The, assignee: *See*—
Bartlett James L., and Davis.
Labus, Otto A.
Miner, Robert G., and Andersen.

Transducer Corporation, assignee: *See*—
Carter, Elbert P., and Hammel.
Johnson, Ernest W.

Transimplex, Import, Export und Transit A. G., assignee: *See*—
Fisch, Paul.

Transit Research Corporation, assignee: *See*—
Blue, Lebert E.
Piron, Emil H.
Rossell, William T.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Transocean Air Lines, assignee: *See*—
Macedo, Alvin J.

Transparent Package Company, assignee: *See*—
Korsgaard, Paul H.

Transparent Specialties Corp., assignee: *See*—
Kneifel, Laurence S., and Sharlitt.

Transportation Sash Company, Inc., assignee: *See*—
Price, Joseph W.

Transue, Edward S., Denver, Colo. Portable road signal. 2,613,463, Oct. 14.

Trant, James L., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Reversible motor. 2,592,492, Apr. 8.

Tranter, Reginald F. W., Wellesley, assignor to Boston Herald-Traveler Corporation, Boston, Mass. Apparatus for inserting supplementary sheets in newspapers and the like. 2,600,284, June 10.

Tranter, Watson W., and H. C. Hollinger, assignors to A. B. Farquhar Company, York, Pa. Vegetable digger. 2,583,241, Jan. 22.

Trapp, George J., Leamington Spa, England. Pump. 2,621,607, Dec. 16.

Trask, Allen, Chicago, Ill. Seal. 2,587,408, Feb. 26.

Trask, Allen N., Myrtle Beach, S. C. Drag line excavator. 2,603,893, July 22.

Trask, Harry, New York, N. Y. Picture frame. 2,581,733, Jan. 8.

Trask, William E.: *See*—
Sutton, Ralph E., and Trask.

Trathen, James, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Safety mechanism for splicing machines. 2,594,251, Apr. 22.

Tratzik, Frederick: *See*—
Bowan, Walter J., and Tratzik.

Tratzik, Frederick, assignor to Mueller Co., Decatur, Ill. Lubricated valve. 2,606,737, Aug. 12.

Traupel, Walter, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland. Rotor for turbomachines. 2,619,317, Nov. 25.

Trautman, Charles E., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Prevention of foaming of oils. 2,603,599, July 15.

Trautman, Walter C., Los Angeles, Calif. Temperature and volume control valve. 2,607,600, Aug. 19.

Trautner, Wagn, Syracuse, N. Y. Cigarette lighter. 2,601,773, July 1.

Trautvetter, George: *See*—
Ledwinka, Joseph, and Trautvetter.

Trautwein, Walther, administrator: *See*—
Hora, Josef.

Traver, Alfred E., Great Neck, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Test apparatus for internal-combustion engines. 2,608,093, Aug. 26.

Traver, Ward B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stack design. 2,604,838, July 29.

Travers, William J., Jr., La Canada, assignor to Richfield Oil Corporation, Los Angeles, Calif. Apparatus for marine well drilling. 2,602,636, July 8.

Travilla, James C., Jr., University City, Mo., and B. E. Glenn, Jr., Ridley Park, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway center plate locking structure. 2,600,704, June 17.

Travis, Edwin, Peekskill, N. Y. Feeding device. 2,618,238, Nov. 18.

Travis, Roy E., Dearborn, Mich. Refrigerator construction. 2,588,944, Mar. 11.

Trawick, Oaty A.: *See*—
Logan, Floyd J., and Trawick.

Trayers, Edward B.: *See*—
Ottinger, Harry, and Trayers.

Traylor Engineering & Manufacturing Company, assignee: *See*—
Mertz, Fred A., and Walker.

Traylor, Samuel W., III, assignee: *See*—
Traylor, Samuel W., Jr.

Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher. 2,586,122, Feb. 19.

Traylor, Samuel W., Jr., Allentown, Pa. Jaw crusher with hydraulic release and reset device. 2,588,180, Mar. 4.

Traylor, Samuel W., Jr., Allentown, Pa. Jaw type crusher. 2,591,639, Apr. 1.

Traylor, Samuel W., Jr., assignor to S. W. Traylor, III, Allentown, Pa. Frame structure for gyratory crushers. 2,597,548, May 20.

Traynor, William E., Enid, Okla. Manual control for automatic fuel valves. 2,623,545, Dec. 30.

Trbojevich, Nikola, Cleveland, Ohio. Constant velocity universal joint. 2,584,097, Jan. 29.

Treadway, Robert H.: *See*—
Heisler, Edward G., and Treadway.

Treadwell, Cyril G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic replacement of defective repeaters in high-frequency electric communication systems. 2,597,043, May 20.

Treadwell, M. H., Company, Inc., assignee: *See*—
McNamara, William J.

Treasure Masters Corporation, assignee: *See*—
Knudson, Vernis G.

Treble, Frederick R., assignor to Amalgamated Tobacco Corporation, Limited, Luton, England. Filter tip feed mechanism for filter tip cigarette-making machines. 2,602,453, July 8.

Trebules, Victor W., assignor to The Gabriel Company, Cleveland, Ohio. Dipole antenna. 2,620,442, Dec. 2.

Trede, George H., Durant, Iowa. Fluidtight vertical bearing. 2,601,731, July 1.

Tredget, Cyril A.: *See*—
Roffey, William A., and Tredget.

Tree, Russell M., Jr.: *See*—
Britton, Edgar C., and Tree.

Trees, Alonzo F., Rockford, Iowa. Seeder attachment for vehicle bodies. 2,619,355, Nov. 25.

Treesdale Laboratories and Textile Processing Company, assignee: *See*—
McCarthy, James F.
Webster, Paul F.

Treff, Alfred, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Heated plunger structure for meat filling machines. 2,623,677, Dec. 30.

Trefil, James, Berwyn, assignor to Crane Co., Chicago, Ill. Valve guide means. 2,614,792, Oct. 21.

Trefouel, Jacques, assignor to Societe des Usines Chimiques Rhone Poulenc, Paris, France. 2-amino-4-sulfon amidophenylarsenic acid and its sodium salt. 2,616,913, Nov. 4.

Trefzer, Paul: *See*—
Hemmi, Hans M., and Trefzer.

Treg, Inc., assignee: *See*—
Gossner, Louis E. E.

Tregaard, Haakon: *See*—
Erland, Ståle, and Tregaard.

Treganowan, Bernard E., assignor to Electro-Hydraulics Limited, Warrington, England. Alternative control system for fluid-operated motors. 2,618,243, Nov. 18.

Trelease, Charles C., trustee, assignee: *See*—
Alexander, Philip.

Trelease, Richard D., Chicago, Ill., G. O. Sampson, Larchmont, N. Y., and D. V. Alstrand, Maywood, Ill., said Sampson and said Alstrand assignors to American Can Company, New York, N. Y. Canning of hard boiled eggs. 2,593,223, Apr. 15.

Trembley, Fernand, Bellerive, Geneva, assignor to Societe de Recherches Techniques et D'Exploitations Industrielles, Geneva, Switzerland. Cooling device for engines. 2,597,549, May 20.

Trementozzi, Quirino A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polystyrenes stabilized with organo amidophosphates. 2,587,549, Feb. 26.

Trenczak, Ladislaus F., Graz, Austria. Mining machine. 2,598,948, June 3.

Trendel, Alois F.: *See*—
Hohl, John, and Trendel.

Trendex Co., The, assignee: *See*—
Jenness, Leslie G.

Trent, Robert L.: *See*—
Anderson, Alva E., and Trent.

Trent, Robert L., Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized transistor trigger circuit. 2,622,211, Dec. 16.

Trent, Walter R.: *See*—
Ross, John, and Trent.

Treo Co. Inc., assignee: *See*—
Metz, Samuel T.

Treppa, Helen, Los Angeles, Calif. Collapsible and portable dressing room. 2,612,900, Oct. 7.

Trepte, Alfred H. C., Los Angeles, Calif. Collapsible dispensing rack. 2,605,071, July 29.

Trerice, H. O., Company: *See*—
Myers, Errol L.

Trerice, Howard O.: *See*—
Myers, Errol L.

Tresco, Inc., assignee: *See*—
Touborg, Jens.
Touborg, Jens K.

Tresidder, Thomas B., and A. E. Moore, Melbourne, Victoria, Australia. Hose clamp structure. 2,621,383, Dec. 16.

Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paravox, Inc., Cleveland, Ohio. Hearing aid apparatus having sectional casing. 2,585,191, Feb. 12.

Tressler, Donald K., Westport, Conn. Fruit whip. 2,588,308, Mar. 4.

Tressler, Donald K., Westport, Conn., and P. T. Breithaupt, Scarborough, Ontario, Canada; said Tressler assignor to said Breithaupt. Dry breading and batter mixes. 2,623,825, Dec. 30.

Treub, Jacobus P., assignor to N. V. Vereenigde Stearine Kaarsenfabrieken "Gouda-Apollo," Gouda, Netherlands. Apparatus for fractional distillation. 2,608,397, Aug. 26.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London County, England. Fluid pressure relay for brake mechanisms. 2,590,587, Mar. 25.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London, England. Resilient tensioned windscreen wiper for curved windscreens. 2,593,073, Apr. 15.

Trevaskis, Henry W., Solihull, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Multistroke fluid operated power actuator. 2,604,076, July 22.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company, Limited, London, England. Control device for fluid pressure systems. 2,621,936, Dec. 16.

Treves, Gino R., assignor to Schieffelin & Co., New York, N. Y. Basic esters of 2,3-di(4-alkoxyphenyl)-2-hydroxypropanoic acid. 2,595,735, May 6.

Treves, Gino R., assignor to Schieffelin & Co., New York, N. Y. Nitro substituted products of di(alkoxyphenyl) ethane. 2,596,108, May 13.

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Pulse counter circuit. 2,592,493, Apr. 8.

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Time division multiplex system utilizing a step-wave generator in the distributor circuit. 2,605,360, July 29.

Trevor, Bertram A., Riverhead, N. Y., assignor to Radio Corporation of America. Tuning indicator for frequency shift telegraphy. 2,613,271, Oct. 7.

Trevor, Bertram A., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,619,587, Nov. 25.

Trevor, John B., Jr., Washington, D. C. Electrical testing apparatus. 2,619,619, Nov. 25.

Trexler, Philip C., South Bend, Ind., assignor to Amino Acids, Inc., Wilmington, Del. Producing casein. 2,618,629, Nov. 18.

Trexler, Richard R., Evanston, Ill. Liquid dispenser with register having dispensing means operative only after a time interval elapses following completed zero setting of register. 2,592,622, Apr. 15.

Trexler, Richard R., Evanston, Ill. Change speed mechanism. 2,619,849, Dec. 2.

Triana, René S., Miramar, Marianao, Cuba. Toothbrush protector. 2,621,780, Dec. 16.

Triangle Grain Company, assignee: *See*—
Potter, Clarence J.

Triangle Package Machinery Company, assignee: *See*—
Muskat, Louis R.

Tribble, William H., East Moriches, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company. Electrode arrangements for facsimile recorders. 2,591,640, Apr. 1.

Tribie, Winthrop: *See*—
Haas, Frederick S., and Tribie.

Tribune Company, assignee: *See*—
Jones, Max H.

Tricebock, Donald J., Philadelphia, Pa., and R. A. York, Syracuse, N. Y., assignors to Radio Corporation of America. Balance controls for metal detectors. 2,609,530, Sept. 2.

Tri-Clover Machine Co., assignee: *See*—
Hinrichs, Ferdinand.

Trico Products Corporation, assignee: *See*—
Bayes, Charles A.
Bayes, Charles A., and Boddy.
Bitzer, Martin.
Deibel, Raymond.
Horton, Erwin C.
Macpherson, Robert B.
Oishei, John R.
Oishei, John R., and Deibel.
Oishei, John R., and Rappl.
Rappl, Anton.
Rappl, Anton, and Scinta.
Schaal, Earl V.
Scinta, Anthony C.

Tricraft Products Co., assignee: *See*—
Hills, Elmer G.

Trief, Victor, Deux-Acren lez Lessines, Belgium. Paving block. 2,605,681, Aug. 5.

Trier, Raymond T.: *See*—
Lajeunesse, Victor J., Rutledge, and Trier.

Trifari, Krussman and Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Trigg, Hastings S., West Hempstead, N. Y., H. D. Norris, Woodbury, and R. V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricating oil composition. 2,585,877, Feb. 12.

Trigg, Hastings S., West Hempstead, N. Y., and H. D. Norris, Woodbury, and R. V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Ester composition. 2,610,205, Sept. 9.

Trigg, Warren M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Treating windings with completely-reactive compositions. 2,594,096, Apr. 22.

Trigg, Warren M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Viscosity indicating and controlling apparatus. 2,597,138, May 20.

Trillat, Joseph A.: *See*—
Salé, Pierre, and Trillat.

Triller, Benjamin J., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Ceiling-suspended stair. 2,580,978, Jan. 1.

Triller, Benjamin J., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Cabinet door construction. 2,607,087, Aug. 19.

Triman, Eugene L., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Electrically operated accumulator. 2,613,791, Oct. 14.

Trimble, Esther K., Piedmont, and C. R. Yost, Oakland, Calif. Wardrobe luggage having separable case portions. 2,611,463, Sept. 23.

Trimble, Inc., assignee: *See*—
De Puy, Charles T.

Trimble, John A., Columbia, Mo. Lineman's climbing hook. 2,604,250, July 22.

Trimble, Joseph M.: *See*—
Langsenkamp, Robert M., and Trimble.

Trimboli, Frank A., Red Bank, N. J. Retractable tool. 2,592,978, Apr. 15.

Trimedge, Incorporated, assignee: *See*—
Bonnell, William L.

Trimpert, Raymond J.: *See*—
Tucker, Harold H., and Trimpert.

Trindle, Joe W., assignor to Bill Jack Scientific Instrument Co., Inc., Solana Beach, Calif. Transductor. 2,603,768, July 15.

Tringali, Dominick, Brooklyn, N. Y. Holder for radio on vehicle handle bars. 2,588,671, Mar. 11.

Trion, Inc., assignee: *See*—
Landgraf, George F.

Triphahn, Arthur F., Chicago, Ill. Shield for vehicle rearview mirrors. 2,622,481, Dec. 23.

Triple E Manufacturing Company, assignee: *See*—
Johnson, Virgil F.

Triplett Electrical Instrument Company, The, assignee: *See*—
Triplett, Milo M.
Triplett, Ray L.
Triplett, William R.

Triplett, Lee, Magna, assignor of one-third to J. L. Jones, and one-third to R. A. Sweet, Salt Lake City, Utah. Detachable latched electrical plug and socket connection. 2,590,354, Mar. 25.

Triplett, Milo M., assignor to The Triplett Electrical Instrument Co., Bluffton, Ohio. Illuminating means for instrument dials. 2,606,277, Aug. 5.

Triplett, Ray L., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Case for electrical measuring instruments. 2,599,212, June 3.

Triplett, William R., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Instrument case and cover. 2,581,734, Jan. 8.

Triplett, William R., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Instrument cover. 2,612,132, Sept. 30.

Tripp, Arthur M., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Automatic self-locking indexing head. 2,594,828, Apr. 29.

Tripp, Charles H.: *See*—
Tripp, Lue and C. H.

Tripp, Frank E., Fort Worth, Tex. Clothes hanger. 2,615,580, Oct. 28.

Tripp, George E., assignor to The Visking Corporation, Chicago, Ill. Apparatus for applying an overwrap. 2,604,244, July 22.

Tripp, Kenneth F., Tuckahoe, N. Y., assignor to Farrand Optical Co., Inc. Reflection interference filter. 2,590,906, Apr. 1.

Tripp, Lue and C. H., Trenton, Mo. Burial vault. 2,616,151, Nov. 4.

Trippel, Karl, Choindez, Switzerland. Machine for grinding twist drills. 2,591,893, Apr. 8.

Tripplehorn, James C., Pampa, Tex. Spiraled paraffin remover for oil wells. 2,595,025, Apr. 29.

Trippler, Otto F., East Detroit, Mich. Pin curl forming device. 2,608,977, Sept. 2.

Tri-Saw Corporation, assignee: *See*—
Butz, Bert B.

Trisler, Milton A., assignor to General Motors Corporation, Detroit, Mich. Fuel supply system. 2,580,706, Jan. 1.

Trist, Arthur R., Saint Catherines, Ontario, Canada. Machine for the coating of webs of material. 2,593,074, Apr. 15.

Trist, Arthur R., Woking, England. Packing for rotating shafts. 2,593,939, Apr. 22.

Trist, Ronald, & Co. Limited, assignee: *See*—
Clarke, Alfred G.

Tri-State Engineering Company, assignee: *See*—
Coit, Burton C., Jr.

Tritt, Eloise B., assignee: *See*—
Moore, Caleb L.

Tritt, Elvin D., assignee: *See*—
Moore, Caleb L.

Tritt, Norman H., Akron, Ohio. Pressure sealing device for vulcanizing pneumatic tires. 2,597,550, May 20.

Triumph Dishwashers Limited, assignee: *See*—
Dewdney, Albert J.

Troche, Herman J., Fairview Village, and J. H. Holan, Rocky River, assignors to J. H. Holan Corporation, Cleveland, Ohio. Pole derrick. 2,611,580, Sept. 23.

Troche, Herman J., Cleveland Heights, and J. H. Holan, Rocky River, assignors to J. H. Holan Corporation, Cleveland, Ohio. Sealing means for the hinge edge of doors. 2,619,204, Nov. 25.

Troche, Herman J., Fairview Park, and J. H. Holan, Rocky River, assignors to J. H. Holan Corporation, Cleveland, Ohio. Stabilizer for vehicles. 2,620,181, Dec. 2.

Trochoidal Propellers, Incorporated, assignee: *See*—
Perrott, William.

Troden, Augustus C., assignee: *See*—
Bugg, Charles H.

Troendlé, Jean, Geneva, Switzerland. Pneumatic installation. 2,591,641, Apr. 1.

Trogdon, Albert: *See*—
Scheer, Lester O., Tomlinson, and Trogdon.

Troiel, Arthur E., Berkeley, Calif. Concrete structure and grouting assembly. 2,585,192, Feb. 12.

Troiel, Arthur E., Berkeley, Calif. Wall opening form. 2,602,983, July 15.

Trojan Manufacturing Company, assignee: *See*—
Fraizer, Frank L., and Waltz.

Trojan Powder Company, assignee: *See*—
Snelling, Walter O.

Trojnar, Thaddeus J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting materials. 2,606,117, Aug. 5.

Troll, William A., Brooklyn, assignor to Emsig Manufacturing Company, New York, N. Y. Shank button feeder for button sewing machines. 2,597,912, May 27.

Trolz, Glynn, assignee: *See*—
Mills, John H.

Trombetta, Nicola, Hoboken, N. J. Window construction. 2,585,601, Feb. 12.

Tromp, Klaas F., Kerkrade, Netherlands. Apparatus for separating solid granular materials of different specific gravities. 2,603,352, July 15.

Tronson, Theodore A., Campbell, Calif. Dispensing cap for containers. 2,597,410, May 20.

Troop, Martin, assignor of one-half to Edward Griffin, Bayonne, N. J. Automatic Pittsburgh lock seam sealer. 2,609,028, Sept. 2.

Tropic-Aire, Inc., assignee: *See*—
Franklin, Burton.
Weingardt, George C.
White, Lester W.

Troske, Frederick W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Selective orienting button positioning machine. 2,595,206, Apr. 29.

Tross, Arnold, Munich, Germany. Locomotive firebox and bracing means therefor. 2,623,508, Dec. 30.

Trost, Conrad, Moorestown, N. J., assignor to The Micronizer Company, New York, N. Y. Means inhibiting escape of oversize particles from circulatory pulverizing mills. 2,588,945, Mar. 11.

Trost, Conrad, and J. W. Holdcraft, Moorestown, N. J., assignors, by mesne assignments, to Freeport Sulphur Company, New York, N. Y. Solid feeding means for fluid-type pulverizer. 2,596,088, May 6.

Troth, Harry G., and F. G. Dammann, Phoenix, Ariz. Folding tail gate. 2,603,529, July 15.

Troth, John S., Wayne, Pa., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Apparatus for cutting and scoring blanks. 2,586,744, Feb. 19.

Trotman, Charity A., Jackson Height, N. Y. Tea packaging system. 2,614,934, Oct. 21.

Trotta, James, New York, N. Y. Magnetoelectric shocking device. 2,612,624, Sept. 30.

Trotter, Fred J.: *See*—
Lankford, Jonathan D., Trotter, and Taylor.

Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Garbage disposer. 2,591,388, Apr. 1.

Trotter, John F.: *See*—
Winning, Blair N., and Trotter.

Troup, John H., Harrisburg, Pa. Enlargement photograph. 2,605,447, July 29.

Trousdale, Robert B., Rochester, N. Y., assignor to Stromberg-Carlson Company. Pulse commutating ring counter circuit. 2,617,931, Nov. 11.

Troutfetter, Frank C., Manhattan, Kans. Longitudinally adjustable shoe tree. 2,595,736, May 6.

Troutman, Harvey D.: *See*—
Long, Loren M., and Troutman.

Trowbridge, Carl R., Portland, Oreg. Water pipe heater. 2,620,430, Dec. 2.

Trowbridge, Charles A., Newtown, assignor, by mesne assignments, to Snyder Mfg. Co., Philadelphia, Pa. Portable antenna construction. 2,604,593, July 22.

Trowbridge, David R.: *See*—
Cleave, Edgar S., and Trowbridge.

Trowbridge, William L.: *See*—
Fine, Richard D., and Trowbridge.

Troxel Manufacturing Company, The, assignee: *See*—
Kalter, Harold E.

Troxell, Willard W.: *See*—
Engel, Harry C., Troxell, and Pajak.

Troxler, Charles G., Canton, assignor to The Hoover Company, North Canton, Ohio. Adjustable cleaning nozzle for suction cleaners. 2,601,697, July 1.

Troxler, Franz: *See*—
Stoll, Arthur, Hofmann, Jucker, Petrzilka, Rutschmann, and Troxler.

Troy, Ellen, New York, N. Y. Ornamentation for stockings and other stretchable materials. 2,596,965, May 13.

Troy, Max, New York, N. Y. Machine for drying and fluffing flatwork laundry. 2,591,321, Apr. 1.

Troy, Raymond C., Cedar Rapids, Iowa. Air moving device. 2,613,030, Oct. 7.

Troy, Seymour L., Mount Vernon, assignor to Eastern Metal Products Co., Tuckahoe, N. Y. Pressure cooker. 2,619,254, Nov. 25.

Troy, Walter C., Evergreen Park, and G. Steven, Oak Lawn, Ill. Thermocouple. 2,588,998, Mar. 11.

Troyan, James E.: *See*—
Fryling, Charles F., and Troyan.
Fryling, Charles F., Troyan, and Pritchard.
Uraneck, Carl A., St. John, Fryling, and Troyan.

Troyan, James E. Lewiston, N. Y., assignor to Phillips Petroleum Company. Recovery of rubberlike polymer from a latex. 2,615,010, Oct. 21.

Troyan, James E., and L. R. Sperberg, Phillips, Tex., assignors to Phillips Petroleum Company. Incorporating rosin acid in polymeric materials. 2,608,541, Aug. 26.

Troyer, Abner J., Smithville, Ohio. Sizing roll construction for potato graders. 2,588,309, Mar. 4.

Trösmüller, Friedrich J., Vienna, Austria. Multicolor web printing machine using endless band plate carriers. 2,622,522, Dec. 23.

Trubert, René E. L., Viroflay, France. Combined safety valve device. 2,604,901, July 29.

Trubert, René E. L., Viroflay, France. Electric resistance heating device for liquids. 2,606,995, Aug. 12.

Truchan, William, Berkeley, Calif. Radial arm miter saw. 2,602,474, July 8.

Trudeau, Alpheri A., Taftville, Conn. Fire alarm and spray system. 2,599,298, June 3.

Trudeau, Max O., Jackson Heights, assignor to Morey Machinery Co., Inc., Astoria, N. Y. Chucking device for lathes. 2,613,943, Oct. 14.

True Associates John Service Corporation, assignee: *See*—
True, James E., and Ruffalo.

True, Erwin B., assignee: *See*—
West, Arthur E.

True, James E., Richmond Hill, and J. B. Ruffalo, Laurelton, assignors to True Associates John Service Corporation, New York, N. Y. Mailing piece. 2,603,410, July 15.

True, Martin E., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Device for handling pipes. 2,615,681, Oct. 28.

Truffaut, Georges, assignee: *See*—
Hampe, Pierre.

Tru-Fit Company, assignee: *See*—
Axel, Benjamin.

Truhlar, John, Clarendon Hills, and A. A. Pantsios, Chicago, assignors to R. F. Hlavaty, Westchester, Ill. Fireproofing compositions containing water-insoluble phosphorylamides, and articles fireproofed therewith. 2,582,181, Jan. 8.

Truitt, Charles E., Springfield, Ill. Device for dispensing granular materials in predetermined bulk quantities, having a measuring compartment and a valve. 2,613,018, Oct. 7.

Truitt, James K.: *See*—
Hess, Howard V., Arnold, and Truitt.

Truitt, Joseph A.: *See*—
Heffelfinger, Robert D., and Truitt.

Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Uniform strand tension device. 2,586,123, Feb. 19.

Trullemans, Eugène, Lausanne, Switzerland. Carriage returning and paper feeding appliance for typewriters. 2,619,214, Nov. 25.

Trumbour, George P., and F. MacGregor, assignors to MacGregor Instrument Company, Needham, Mass. Nebulizer or the like. 2,582,805, Jan. 15.

Trumbull, Fred W., Los Altos, and R. C. Howard, Atherton, Calif. Accounting sheet. 2,599,673, June 10.

Trumbull, George M., West Newton, Mass. Tire chain fastener. 2,617,464, Nov. 11.

Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Dry printing and developing machine. 2,589,748, Mar. 18.

Trumpa, Ewald, Huntington, N. Y. Blower inlet control device. 2,603,411, July 15.

Trumpler, William E., assignor to Clark Bros. Co., Inc., Olean, N. Y. Floating shaft seal. 2,592,082, Apr. 8.

Trundle, Grant W., Fort Lauderdale, Fla. Rotary hydraulic separator. 2,588,592, Mar. 11.

Truscon Laboratories, Inc., assignee: *See*—
Nelson, Clare R., and Madison.

Truscon Steel Company, assignee: *See*—
Montgomery, John R.

Truscott, John P., assignor to Wingfoot Corporation, Akron, Ohio. Heat sealed wrapping machine and wrapping. 2,586,580, Feb. 19.

Trusler, Ralf B., assignor to The Davies-Young Soap Company, Dayton, Ohio. Wax compound and making. 2,596,829, May 13.

Trussell, Clarence D., Turnwood, N. Y. End lock for rings of mechanical binders. 2,595,427, May 6.

Trussell, Clarence D., Turnwood, N. Y. Sander. 2,595,428, May 6.

Trussell, Clarence D., Turnwood, N. Y. Hand sander. 2,595,429, May 6.

Trussell, Clarence D., Turnwood, N. Y. Binder ring opening device. 2,608,700, Sept. 2.

Trussell, Clarence D., Turnwood, N. Y. End lock for rings of mechanical bindings. 2,612,166, Sept. 30.

Trust, M. L., trustee, assignee: *See*—
Greenleaf, Robert M.

Trustees-Tumwater Square, assignee: *See*—
Schmidt, Frederick W.

Tru-Vue Company, assignee: *See*—
Mast, Gifford M., and Gannett.

Tryon, Max: *See*—
Quinn, Fred A., Jr., and Tryon.

Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of amino hydroxy compounds by hydrogenation of nitro hydroxy compounds. 2,587,572, Feb. 26.

Tryon, Richard W., Westfield, N. J., assignor to Standard Oil Development Company. Skimming apparatus. 2,585,878, Feb. 12.

Trypanis, Alexander A., Athens, Greece. Open-end wrench for pentagonal nuts, etc. 2,619,862, Dec. 2.

Tsang, Sien M.: *See*—
Long, Robert S., and Tsang.

Tsang, Sien M., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of 3,7-diaminodibenzothiophenedioxide-2,8-disulfonic acid. 2,620,343, Dec. 2.

Tschache, J. W., assignee: *See*—
Browning, Roe V., and Badgley.

Tschache, Ottley R., assignee: *See*—
Browning, Roe V., and Badgley.

Tschaepe, Kurt P., New York, N. Y. Door locking astragal. 2,610,368, Sept. 16.

Tschischeck, Marion E., Mayfield Heights, Ohio. Magnifying attachment for syringes. 2,586,581, Feb. 19.

Tschudin, Oswald, Weil-on-the-Rhein, Germany. Ball bearing for cone-shaped journals of shafts. 2,622,948, Dec. 23.

Tschudy, Emil, Beverly Hills Village, Mo. Bowling ball cleaner. 2,587,927, Mar. 4.

Tubbs, Irl I., assignor to M. L. Tubbs, trustee, Mount Vernon, Iowa. Resilient valve in rigid wall portions of containers. 2,585,286, Feb. 12.

Tubbs, Margaret L., trustee, assignee: *See*—
Tubbs, Irl I.

Tube Reducing Corporation, assignee: *See*—
Coe, George B.

Tubis, Samuel: *See*—
Bruce, William F., Szabo, and Tubis.

Tucci, Anthony G., assignor of one-half to A. R. Goldrick, Cleveland, Ohio. Atomizer. 2,607,626, Aug. 19.

Tuck, George A., assignor to International Sales Company, San Francisco, Calif. Draft hood for combustion apparatus. 2,622,589, Dec. 23.

Tuck, Joseph H.: *See*—
Cook, Wilfred J., and Tuck.

Tuck, Raymond G., Pontiac, and C. E. Fisher, Royal Oak, Mich. Continuous strip dispenser. 2,587,928, Mar. 4.

Tuck, Russell F., Los Angeles, Calif. Rotary brush cleaner for pants cuffs. 2,580,863, Jan. 1.

Tuck, Walter N., South Boston, Va. Retainer for drop wires. 2,587,409, Feb. 26, 1952.

Tucker, Alfred W.: *See*—
Vaughn, Stanley I., and Tucker.

Tucker, Alvin W., San Fernando, Trinidad, British West Indies. Bridge plug and dump bailer. 2,618,345, Nov. 18.

Tucker, Charles, La Crescenta, and L. A. Lyle, Jr., Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Crash helmet. 2,597,764, May 20.

Tucker, Charles M.: *See*—
Uraneck, Carl A., Tucker, and St. John.

Tucker, Charles M., Phillips, and W. E. Wells, Borger, Tex., assignors to Phillips Petroleum Company. Stepwise addition of a diazo thioether in emulsion polymerization. 2,584,823, Feb. 5.

Tucker Corporation, assignee: *See*—
Lyman, Kenneth E.

Tucker, Emmitt M., Medford, Oreg. Drive axle mounted for swinging and rocking motion. 2,598,863, June 3.

Tucker, George G., Jr., Berwyn, assignor to Hubbard Spool Company, Chicago, Ill. Spool construction. 2,597,139, May 20.

Tucker, George G., Jr., Berwyn, and F. A. Rappleyea, Oak Park, assignors to Hubbard Spool Company, Chicago, Ill. Spool construction. 2,587,011, Feb. 26.

Tucker, Harold H., Scarsdale, N. Y., and R. J. Trimpert, Newtown, assignors to The Frank H. Lee Company, Danbury, Conn. Composition for carroting fur and the like. 2,582,086, Jan. 8.

Tucker, Harry M., Dayton, Ohio. Elementary induction coil instruction device. 2,603,884, July 22.

Tucker, Irvin L., Cedar Rapids, Iowa. Fountain brush implement. 2,613,381, Oct. 14.

Tucker, John B., Marblehead, Mass., assignor to General Electric Company. Water disposal arrangement for refrigerators. 2,606,426, Aug. 12.

Tucker, Julia A., assignee: *See*—
Tucker, William C.

Tucker, Maynard W., Morley, Mich. Freshening apparatus for baked food. 2,617,349, Nov. 11.

Tucker, Nathaniel B.: *See*—
Haefele, John W., and Tucker.

Tucker, Nathaniel G., Forest Hills, N. Y. Reed hat leather trimming machine. 2,588,999, Mar. 11.

Tucker, Nathaniel G., assignor to Tucker & Ross Development Co., Forest Hills, N. Y. Washing machine drier attachment. 2,608,003, Aug. 26.

Tucker, Preston T., Ypsilanti, Mich. Hydraulic mechanism for actuating valves. 2,615,438, Oct. 28.

Tucker & Ross Development Co., assignee: *See*—
Tucker, Nathaniel G.

Tucker, Warren R., assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Fluid-operable control mechanism for variable delivery fluid pumps. 2,614,500, Oct. 21.

Tucker, Warren R., assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Locking control circuit for fluid-actuated motors. 2,618,121, Nov. 18.

Tucker, William C., assignor of one-third to J. A. Tucker and one-third to S. M. Austin, High Point, N. C. Wrap stripe stop motion. 2,589,646, Mar. 18.

Tucker, William H., Saugus, Mass., assignor to General Electric Company. Alternating current measurement bridge. 2,600,342, June 10.

Tuco Work Shops, Incorporated, The, assignee: *See*—
Slattery, Roger L.

Tudor, Thomas J., Borger, Tex. Automobile drive wheel power take-off. 2,601,234, June 24.

Tuer, George L., Jr.: *See*—
Hancox, Robert R., Tuer, and Stutzman.

Tuerk, Paul F., Indianapolis, Ind. Detachable leakproof truck canvas connector. 2,581,985, Jan. 8.

Tufts, William F., Atlanta, assignor to L. M. Leathers Sons, Athens, Ga. Slip resistant pants guard for coat hangers. 2,590,738, Mar. 25.

Tuggle, Benjamin P., Atlanta, Ga. Gold separator. 2,587,012, Feb. 26.

Tulagin, Vsevolod: *See*—
Gunther, Robert C., and Tulagin.

Tulagin, Vsevolod, Phillipsburg, N. J., and R. F. Coles, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Nondiffusing color formers comprising aryl J-acids in which the aryl radical is provided with a nondiffusing group. 2,591,642, Apr. 1.

Tulchin, Murray, Brooklyn, N. Y. Panoramic support head for cameras. 2,619,312, Nov. 25.

Tulk, George C., Toronto, Ontario, Canada. Electric fan. 2,582,572, Jan. 15.

Tullar, Benjamin F.: *See*—
Archer, Sydney, Suter, and Tullar.
Buck, Johannes S., and Tullar.

Tuller, William G., Arlington, assignor to Melpar, Inc., Alexandria, Va. Electronic commutator. 2,589,460, Mar. 18.

Tullio, John M., Akron, Ohio. Football game device. 2,600,940, June 17.

Tullis, Ernest, assignor of fifty per cent to L. P. Burrow, Alamogordo, N. Mex. Telephone receiver holder. 2,606,255, Aug. 5.

Tullo, James V., Bloomfield, N. J. Buffing wheel. 2,608,035, Aug. 26.

Tullock, Charles W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N-carboanhydrides of alpha amino acids and polyamides. 2,608,548, Aug. 26.

Tullos, Frank N., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Acoustic well logging. 2,586,745, Feb. 19.

Tulisen, Volney, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilized barium and strontium lithol toners. 2,601,668, June 24.

Tulisen, Volney, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilized barium and strontium lithol toners. 2,601,669, June 24.

Tulisen, Volney, Westfield, and F. L. Pfeiffer, Chatham, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilizing calcium lithol toners. 2,601,468, June 24.

Tulisen, Volney, Westfield, and F. L. Pfeiffer, Chatham, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilizing calcium lithol toners. 2,601,469, June 24.

Tully, James K., United States Army, and B. E. Jones, Flossmoor, assignors to The Pullman Company, Chicago, Ill. Railway sleeping car bed. 2,600,706, June 17.

Tully, Marc, Marseille, France. Adjustable haircutting instrument. 2,611,951, Sept. 30.

Tully, William B., East St. Kilda, Victoria, Australia. Razor. 2,612,685, Oct. 7.

Tulou, Jean, Paris, France. Container with pivoted bottom gate. 2,622,771, Dec. 23.

Tumble-Twist Mills, Inc., assignee: *See*—
Stahl, William F.

Tungett, George: *See*—
Helms, Laurence C, and T. R., Tungett, and Noonan.

Tung-Sol Lamp Works, Inc., assignee: *See*—
Bender, Harry, and Voorhis.
Braunsdorff, Reginald K.
Lockwood, Lloyd D.
Schulte, Milton R.
Standing, Sidney A.
Van Riper, Abram H.

Tunkl, Julius, assignee: *See*—
Hills, Elmer G.

Tunley, Allan A., assignor to Baker Perkins Limited, Peterborough, England. Multiroll chocolate refiner and like machines. 2,610,800, Sept. 16.

Tunnicliff, Eustace: *See*—
Richardson, Arthur B. F. G., Tunnicliff, and Fisher.

Tupper, Earl S., Upton, Mass. Pitcher or the like container. 2,610,490, Sept. 16.

Tupper, Kenneth F.: *See*—
Boyd, Winnett, and Tupper.

Turausky, Mary, Chicago, Ill. Compactly foldable sprinkler means. 2,599,792, June 10.

Turboelectric Corporation, assignee: *See*—
Pavlecka, Vladimir H., and Dallenbach.

Turbo-Ray, Inc., assignee: *See*—
Borg, Gustave A.

Turbyfill, Charles W., Marshall, Tex. Adjustable container. 2,598,320, May 29.

Turchan, Manuel, assignee: *See*—
Humes, Gale.

Turchan, Manuel, Dearborn, Mich. Tracer-guided reproducing machine. 2,601,345, June 24.

Turchan, Manuel, Dearborn, Mich., and W. G. Hoelscher, assignors to The American Tool Works Company, Cincinnati, Ohio. Template controlled machine tool. 2,603,117, July 15.

Turck, Karl H. W.: *See*—
Armstrong, Godfrey P., Bewley, and Turck.
Elce, Alec, Stanley, and Turck.

Turco Products, Inc., assignee: *See*—
Holman, Emmette R., and Mathis.

Turechek, George F., Los Angeles, and D. G. Moorhouse, South Gate, assignors to Lane-Wells Company, Los Angeles, Calif. Bridging plug. 2,618,344, Nov. 18.

Turechek, George F., Los Angeles, and R. A. Phillips, La Habra Heights, assignors to Lane-Wells Company, Los Angeles, Calif. Electrical connector for well tools. 2,620,029, Dec. 2.

Turek, J. W., assignee: *See*—
McFarland, Howard L.

Turek, Stanley P., La Grange, assignor to Modern-Aire Mfg. Corp., Chicago, Ill. Seal for bands and the like. 2,619,700, Dec. 2.

Turenne, Wilfred J., Fayville, and C. W. Walter, Hollliston, Mass. Fluid transfer system and apparatus. 2,602,628, July 8.

Tureson, Kurt T.: *See*—
Lindh, Karl S., and Tureson.

Turinsky, Otto, Palatine, assignor to Armour and Company, Chicago, Ill. Amidoester waxes and forming. 2,607,783, Aug. 19.

Turk, Stanley D.: *See*—
Mahan, John E., and Turk.

Turk, Walter E.: *See*—
Lubsznyski, Hans G., McGee, Turk, and Cassman.
McGee, James D., and Turk.

Turkel, Henry, Detroit, Mich. Infant nasal feeding tube. 2,596,947, May 13.

Turkenkoph, Sylvanus C., and T. Evans, Louisville, Ky., assignors, by mesne assignments, to Minneapolis Moline Company, Hopkins, Minn. Pressure seated reversing valve. 2,583,242, Jan. 22.

Turkevich, John: *See*—
Miller, Warren W., Turkevich, and Zwiebel.

Turkington, Victor H., Mountain Lakes, and L. Shechter, East Orange, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of surfaced core material. 2,589,459, Mar. 18.

Turkowski, Walter, Hollywood, Ill. Construction of Venetian blinds. 2,612,220, Sept. 30.

Turley, James W., Manchester, England. Mounting for hinged doors and the like. 2,591,979, Apr. 8.

Turman, Grover C., Titusville, Fla. Interlocking shingle. 2,595,821, May 6.

Turnbaugh, James E., Seattle, Wash. Flexible rotary reaming apparatus. 2,600,707, June 17.

Turnbull, Frederick M., assignee: *See*—
Brown, Frank E.

Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Variable V belt pulley drive. 2,589,897, Mar. 18.

Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Adjustable pulley. 2,611,278, Sept. 23.

Turnbull, Norman K., Pitman, N. J. Primer assembly for artillery ammunition. 2,592,623, Apr. 15.

Turnbull, Norris: *See*—
Bristol, John E., and Turnbull.

Turnbull, Norris, Grand Island, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of polyvinyl acetate emulsions. 2,614,087, Oct. 14.

Turner, Alfred J.: *See*—
Brooks, Firman R., and Turner.

Turner, Arthur F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Frustrated total reflection interference filter. 2,601,806, July 1.

Turner, Arthur F., Brighton, and O. A. Ulrich, Jr., Gates, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Damping and arresting means for suspension systems. 2,602,332, July 8.

Turner, Charles H., San Francisco, and K. E. Koefoed, Aptos, Calif. Electric heater. 2,599,029, June 3.

Turner, Charles R.: *See*—
Stevenson, Robert O., Myers, and Turner.
Stevenson, Robert O., and Turner.

Turner, Charles R., Enfield, Springfield Township, Montgomery County, assignor to Proctor Electric Company, Philadelphia, Pa. Thermostatic control and excessive temperature indication mechanism. 2,593,812, Apr. 22.

Turner, Charles R., Enfield, assignor to Proctor Electric Company, Philadelphia, Pa. Electric blanket control. 2,611,855, Sept. 23.

Turner, Charles R., Enfield, Springfield Township, Montgomery County, assignor to Proctor Electric Company, Philadelphia, Pa. Pressure relief plug for pressure cookers. 2,619,982, Dec. 2.

Turner, Charles R., Philadelphia, Pa. Timer. 2,595,313, May 6.

Turner, Charles W., Columbia, assignor to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Stimulating the growth of mammary glands and lobule-alveolar system of mammals. 2,589,898, Mar. 18.

Turner, Charles W., Columbia, Mo., and E. P. Reineke, East Lansing, Mich., assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Making a thyroprotein feed. 2,591,107, Apr. 1.

Turner, Edgar P.: *See*—
Langille, Wilfred O., Shumaker, and Turner.
Shumaker, Howard A., and Turner.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tension releasing device for sewing machines. 2,582,211, Jan. 8.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Nozzle height adjusting mechanism for vacuum cleaners. 2,592,767, Apr. 15.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Clutch and brake for electric transmitters. 2,597,685, May 20.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bag closure for vacuum cleaners. 2,590,520, June 3.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with height adjustment. 2,600,141, June 10.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Control means for sewing machines. 2,618,231, Nov. 18.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Handle with cord control mechanism. 2,622,706, Dec. 23.

Turner, Edgar P., Fanwood, and N. H. Sailer, Union, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Design-reproducing apparatus and stylus unit therefor. 2,597,686, May 20.

Turner, Edwin B., Wellington, Ohio. Cylindrical container and closure cap therefor. 2,585,602, Feb. 12.

Turner, Edwin E., Jr., West Roxbury, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Electric motor speed control system. 2,590,356, Mar. 25.

Turner, Estey M., Arcadia, Calif. Twin blade mounting for fans and propellers. 2,587,247, Feb. 26.

Turner, Estey M., Arcadia, Calif. Multiple blade variable pitch fan. 2,620,886, Dec. 9.

Turner, Frank C.: *See*—
Sparks, Charles H., and Turner.

Turner, Frank L., Roanoke, Va. Nursing bottle holder and kit. 2,592,212, Apr. 8.

Turner, Frank T., Hampton Bays, assignor to The Western Union Telegraph Company, New York, N. Y. Wheatstone bridge having stylus shunting one arm. 2,607,844, Aug. 19.

Turner, Frederick J. L.: *See*—
Salmon, Reginald D., and Turner.

Turner, George K., Cimarron, N. Mex. Calf branding table. 2,581,735, Jan. 8.

Turner, George L.: *See*—
Elliott, Morris R., Lapsley, and Turner.
Elliott, Morris R., and Turner.
Hawkins, Frederick E., Lapsley, and Turner.

Turner, George L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Handling material. 2,583,977, Jan. 29.

Turner, George L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,598,865, June 3.

Turner, George L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Handling material. 2,601,932, July 1.

Turner, George L., assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,608,315, Aug. 26.

Turner, George L., and F. Sherriff, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,590,355, Mar. 25.

Turner, George T.: *See*—
Smith, Rolland D., and Turner.

Turner, Georgia B., Oklahoma City, Okla. Bib dispensing carton. 2,604,253, July 22.

Turner, Guy M., assignee: *See*—
Merry, Edward C.

Turner, Harold H., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Combined overrunning clutch and bearing. 2,598,864, June 3.

Turner, Harry A.: *See*—
Grether, Lester M., Turner, and Schweigler.

Turner, Harry M., Dundalk, assignor to The Glenn L. Martin Company, Middle River, Md. Roller type arresting hook. 2,602,613, July 8.

Turner, Henry C.: *See*—
Veevers, John F., and Turner.

Turner, John B., Jr., Richmond, Calif. Mass rate flowmeter. 2,591,478, Apr. 1.

Turner, John J., Highland Park, Mich. Circumcision clamp. 2,601,470, June 24.

Turner, John R., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for rough and fine grinding of spherical surfaces. 2,600,815, June 17.

Turner, John R., and R. W. Elliott, assignors to Eastman Kodak Company, Rochester, N. Y. Blocking and unblocking lens blanks for surfacing operations. 2,582,087, Jan 8.

Turner, John R., and J. A. Pellman, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for chucking blocks of lenses on generating machines. 2,585,287, Feb. 12.

Turner, John W., assignor to United States Radiator Corporation, Detroit, Mich. Baseboard radiator. 2,587,410, Feb. 26.

Turner, Leroy F., West Palm Beach, Fla. Device for varying the length of gunstocks. 2,587,248, Feb. 26.

Turner, Luther B.: *See*—
Sparks, William J., and Turner.

Turner Manufacturing Company, assignee: *See*—
Beaver, Hartsell W.

Turner, Marshall C.: *See*—
Babson, Edmund C., Ormsby and Turner.

Turner, Nelson C., assignor to Hudson Engineering Corporation, Houston, Tex. Separation and dehydration of heavy hydrocarbons from a gaseous mixture. 2,620,895, Dec. 9.

Turner, Norbert O., Toronto, Ontario, Canada. Protective fire alarm. 2,609,786, Sept. 9.

Turner, Osband C., Savannah, Ga. Shutter release. 2,584,067, Jan. 29.

Turner, Price G., Yorkville, N. Y. Pivoted cutter for dispensing containers. 2,604,166, July 22.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Paper indicated dobby. 2,609,841, Sept. 9.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom operating with two shuttles. 2,609,844, Sept. 9.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Two-shuttle pick and pick shuttle changing loom. 2,609,845, Sept. 9.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reserve bobbin magazine for looms. 2,620,833, Dec. 9.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,621,682, Dec. 16.

Turner, Richard J., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Dialkylaminoalkyl esters of piperazine carboxylic acids. 2,617,803, Nov. 11.

Turner, Robert E.: *See*—
Todd, Bryan J., and Turner.

Turner, Robert W., Port Jefferson, Ohio. Fluent material dispenser and spreader. 2,589,311, Mar. 18.

Turner, Thomas W., Newport News, Va. Portable broiling stove. 2,611,357, Sept. 23.

Turner, Thomas W., Newport News, Va. Frozen confection on a stick. 2,614,047, Oct. 14.

Turner, Virgil A., and B. S. and F. S. Alden, Anna, Ill. Selective punching and dispensing mechanism. 2,581,221, Jan. 1.

Turner, Willard H., assignor to RKO Radio Pictures, Incorporated, Los Angeles, Calif. Variable resistor signal equalization. 2,612,557, Sept. 30.

Turner, William: *See*—
Shaw, Dan, and Turner.

Turner, William, and D. Shaw, New York, N. Y. Combination windshield wiper. 2,607,944, Aug. 26.

Turner, William E., assignor to O. B. Andrews Company, Chattanooga, Tenn. Carton with easel-forming closure member. 2,598,149, May 27.

Turner, William F.: *See*—
Patterson, Donald G., and Turner.

Turner, William V.: *See*—
Clark, Robert E., and Turner.

Turner, Wylie E., Jr., assignee: *See*—
Weigandt, Carl F.

Turners Asbestos Cement Company Limited, assignee: *See*—
Rooksby, William H.
Rooksby, William H., Homer, and Burgess.

Turnes, Angel N., Bronx, N. Y. Lip rouge applicator. 2,591,027, Apr. 1.

Turnupseed, Harley E.: *See*—
Turnupseed, Winifred J. and H. E.

Turnupseed, Winifred J., Porterville, and H. E. Turnupseed, Tulare, Calif. Protective system for electrical apparatus connected with polyphase networks. 2,609,425, Sept. 2.

Turnupseed, Winifred J., Porterville, and H. E. Turnupseed, Tulare, Calif. Protective arrangement for single phase motors. 2,610,313, Sept. 9.

Turpin, Alexander J.: *See*—
Parker, Melvin J., and Turpin.

Turpin, Alexander J., Stewart Manor, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Tank and spray unit for cleansing. 2,614,571, Oct. 21.

Turpin, Richard J., Winthrop, assignor to Carpenter and Paterson Inc., Boston, Mass. Vibration control unit for piping and the like. 2,621,005, Dec. 9.

Turquette, Clyde C., Jr., and R. Gale, assignors to The Atlas Metal Works, Dallas, Tex. Dry cooling cabinet. 2,601,765, July 1.

Turrettini, Fernand W., Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Projection optical measuring device for machine tools. 2,581,823, Jan. 8.

Turrinelli, Gino, Milan, Italy. Device for converting a direct current having a constant voltage into a direct current having a variable voltage. 2,624,037, Dec. 30.

Turski, Josef S., Krynica, Poland. Introducing an amino group into aromatic compounds. 2,585,355, Feb. 12.

Turton, Cecil B.: *See*—
Hammerly, Herman J., Turton and Salomone.

Turvey, William E., Oak Park, assignor to Universal Oil Products Company, Chicago, Ill. Liquid level control. 2,588,672, Mar. 11.

Tusa, Philip: *See*—
Weil, Lester L., and Tusa.

Tutt, Richard D.: *See*—
Person, Ernest H., and Tutt.

Tuttle, Alfred C., Montreal, Quebec, Canada. Anchoring device for lading straps and other cargo-binding elements. 2,623,477, Dec. 30.

Tuttle & Bailey, Incorporated, assignee: *See*—
Person, Ernest H., and Tutt.

Tuttle, Bert, Orange, Tex. High-pressure test plug. 2,621,679, Dec. 16.

Tuttle, Bertha S., Newton, and G. E. Jacobs, Boston, assignors to J. N. Tuttle, Inc., Newton, Mass. Composition for producing protective coatings. 2,608,496, Aug. 26.

Tuttle, Charles D., Trenton, G. T. Larsen, Wyandotte, and L. J. Lamm, assignors to General Motors Corporation, Detroit, Mich. Electrostatic spray painting method and apparatus. 2,598,466, May 27.

Tuttle, Clifton M., Halesite, assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Making conductive patterns. 2,600,343, June 10.

Tuttle, Clifton M., Halesite, and P. H. Stafford, assignors to Kenyon Instrument Company, Inc., Huntington, N. Y. Apparatus for rapid processing of film. 2,582,182, Jan. 8.

Tuttle, Clifton M., Halesite, N. Y., and R. H. Morgan, Baltimore, Md.; said Tuttle assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Photofluorographic apparatus. 2,595,430, May 6.

Tuttle, Clifton M., and E. O'Neil, assignors to Eastman Kodak Company, Rochester, N. Y. High-speed oscillograph camera. 2,604,376, July 22.

Tuttle, Fordyce E., assignor to Eastman Kodak Company, Rochester, N. Y. Making changeable display apparatus. 2,607,682, Aug. 19.

Tuttle, Fordyce E., and W. Bornemann, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographing and exhibiting a multiplicity of different pictures in succession. 2,596,740, May 13.

Tuttle, Fordyce E., and O. Wittel, assignors to Eastman Kodak Company, Rochester, N. Y. Grid-type display sign. 2,600,816, June 17.

Tuttle, Henry C., trustee, assignee: *See*—
Vail, Daniel R., and De Luca.

Tuttle, J. N., Inc., assignee: *See*—
Tuttle, Bertha S., and Jacobs.

Tuttle & Kift, Inc., assignee: *See*—
Kelly, William D.

Tuttle, Lauren T., San Francisco, Calif. Convertible high and low chair. 2,584,642, Feb. 5.

Tuttle, Mary C., Menlo Park, assignor of twenty-five per cent to L. C. Gillen, and twenty-five per cent to T. J. Portello, San Francisco, Calif. Yarn or thread holder. 2,613,885, Oct. 14.

Tuttle, Orvil S., New Rochelle, assignor to United States Plywood Corporation, New York, N. Y. Fastener. 2,607,447, Aug. 19.

Tuttle, Roy E., Mount Vernon, Wash. Photographic device for producing legends on negatives. 2,602,369, July 8.

Tuttle, Spencer C., assignor to Cly-Del Mfg. Co., Waterbury, Conn. Broom cap. 2,612,336, Sept. 30.

Tuttle, Tilmon T., Dayton, Ohio. Speed control valve unit. 2,604,109, July 22.

Tuttle, Wainwright, Devon, and N. O. Loven, Monroe, assignors to Bridgeport Brass Company, Bridgeport, Conn. Filling apparatus for containers. 2,608,373, Aug. 26.

Tuttle, William N., Concord, assignor to General Radio Company, Cambridge, Mass. Speed control system for alternating current motors. 2,586,397, Feb. 19.

Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Eyelash curler. 2,602,458, July 8.

Tutton, Harry V., Detroit, assignor to Sherman Products Inc., Royal Oak, Mich. Track-laying tractor. 2,613,115, Oct. 7.

Tutton, Harry V., Detroit, assignor to Sherman Products Inc., Royal Oak, Mich. Track-laying tractor. 2,613,116, Oct. 7.

Tutwiler, Temple W., II, Birmingham, Ala. Coal mining machine. 2,592,358, Apr. 8.

Tuve, Richard L., Silver Spring, Md., and H. B. Peterson, Washington, D. C. Mechanical foam fluid formulation for alcohol fires. 2,614,978, Oct. 21.

Tvedt, Thorwald J.: *See*—
Fay, Charles H., and Tvedt.

Treter, Elmer C., Walnut Creek, Calif., assignor to The Dow Chemical Company, Midland, Mich. Frothing agents for flotation of ores. 2,611,485, Sept. 23.

Twamley, Walter J., Vancouver, British Columbia, Canada. Aircraft orientation device. 2,588,433, Mar. 11.

Tweedales and Smalley (1920) Limited, assignee: *See*—
Hooper, Norbert.

Tweedie, Charles J., Fanny Bay, British Columbia, Canada. Chain saw. 2,583,243, Jan. 22.

Tweedie, Russell W., assignee: *See*—
Waugler, John S.

Tweeten, John B., Santa Rosa, Calif. Pie cutting gauge and guide. 2,605,547, Aug. 5.

Tweit, Olav M., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Coke oven door machine. 2,588,060, Mar. 4.

Twells, Robert, Fostoria, Ohio. Spark plug. 2,616,408, Nov. 4.

Twells, Robert, and P. E. Buckles, Fostoria, Ohio. Device for mounting concentric bodies. 2,616,481, Nov. 4.

Twentieth Century Fox Film Corporation, assignee: *See*—
Leslie, Fred D., Whitmore, and Bragg.

Twerdahl, Edward A., Evanston, Ill. Mop squeezing attachment for mop pails. 2,605,492, Aug. 5.

Twiehaus, Hobert C.: *See*—
Neubauer, Joseph A., Ehlers, Twiehaus, and Elmore.

Twigg, George H., Cambridge, England, assignor to The Distillers Company, Limited, Edinburgh, Scotland. Drying alcohols and ketones. 2,582,214, Jan. 8.

Twin Bags Inc., assignee: *See*—
Arnthal, Margit.

Twin Disc Clutch Company, assignee: *See*—
Vanderzee, Harry H.

Twining, Homer L.: *See*—
Campbell, John G., and Twining.

Twiss, Sumner B., Huntington Woods, and A. P. Sporzynski, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Resinous material from a phenyl borate and an aldehyde. 2,623,866, Dec. 30.

Twist, Thomas O.: *See*—
Roper, John M., and Twist.

Twombly, Florence D., executrix: *See*—
Twombly, John H.

Twombly, John H., deceased, Hill, N. H.; F. D. Twombly, executrix. Grinding machine. 2,612,733, Oct. 7.

Twyman, L. Raymond, Bloomfield Township, Oakland County, Mich. Valve. 2,617,625, Nov. 11.

Twyman, Lewis, Miami, Fla. Body harness. 2,594,097, Apr. 22.

Tybond Tool Engineering Company, assignee: *See*—
Mikolay, Raymond M.

Tyler, Arthur W., and R. D. O'Neal, assignors to Eastman Kodak Company, Rochester, N. Y. External memory device for electronic digital computers. 2,596,741, May 13.

Tyler, Charles, Long Beach, Calif. Combination coat and trouser hanger. 2,620,951, Dec. 9.

Tyler Fixture Corporation, assignee: *See*—
Steelman, Melvin W.

Tyler, John E., Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y. Photometric device. 2,586,746, Feb. 19.

Tyler, John E., Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y. Photometric apparatus. 2,601,182, June 17.

Tyler, John E., Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y. Apparatus for determining daylight fluoresence. 2,620,445, Dec. 2.

Tyler, John M., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Aircraft engine mount. 2,605,062, July 29.

Tyler, Leslie J., assignor to Dow Corning Corporation, Midland, Mich. Polyesters of dicarboxyphenylidimethylsilane. 2,601,646, June 24.

Tyler, Leslie J., Midland County, assignor to Dow Corning Corporation, Midland, Mich. Organo-polysiloxanes and preparation thereof. 2,605,274, July 29.

Tyler, Leslie J., Midland County, assignor to Dow Corning Corporation, Midland, Mich. Diphenylsiloxane copolymers and preparation thereof. 2,611,774, Sept. 23.

Tyler, Leslie P., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp base printing mechanism. 2,619,032, Nov. 25.

Tyler, Norman S., Baltimore, Md. Animal trap. 2,608,018, Aug. 26.

Tyler, Stanley R.: *See*—
Westbury, Roy, and Tyler.

Tyler, Vern A., Oklahoma City, Okla. Liquid fuel meter. 2,600,032, June 10.

Tyler, Walter H., Los Angeles, Calif. Cam actuated frame holding clamp. 2,620,839, Dec. 9.

Tyler, William S., Sulphur Springs, Tex. Elevator bucket cleaner. 2,608,290, Aug. 26.

Tylutki, Mitchell A.: *See*—
Chouinard, Alfred F., and Tylutki.

Tym, Michael, Chicago, Ill. Boat construction. 2,616,101, Nov. 4.

Tymstra, Francis T., Houston, Tex., assignor to Shell Development Company, Emeryville, Calif. Production of glycerine. 2,605,293, July 29.

Tynan, Andrew G., deceased, by G. R. Tynan, administratrix, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal actuated tuner control. 2,614,213, Oct. 13.

Tynan, Geneva R., administratrix: *See*—
Tynan, Andrew G.

Tyra, Thomas D., United States Navy. Stereoscopic and stroboscopic gunnery fire control system. 2,581,459, Jan. 8.

Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Gas torch machine for cutting structural shapes. 2,606,754, Aug. 12.

Tyrseck, Walter J., assignor to Robertson Paper Box Co., Inc., Montville, Conn. Display container. 2,586,886, Feb. 26.

Tyrseck, Walter, J., assignor to Robertson Paper Box Co., Inc., Montville, Conn. Display container. 2,609,090, Sept. 2

Tyskewicz, John F.: *See*—
Williamson, William R., and Tyskewicz.

Tyson, Daniel D., Mansfield, Ohio. Alignment clip. 2,588,673, Mar. 11.

Tyson, Levi D., Elkhart, Ind., assignor, by mesne assignments, to Gisholt Machine Company, Madison, Wis. Steady rest. 2,587,929, Mar. 4.

Tyson, Miller S., Larchmont, assignor to Bendix Aviation Corporation, New York, N. Y. Shielding closure means. 2,604,507, July 22.

Tyson, William G.: *See*—
Casson, Kenneth H., and Tyson.

Uarco Incorporated, assignee: *See*—
Jensen, Louis.

Uber, Daniel W.: *See*—
Saff, Adrian F., and Uber.

Uberti, Eugene, Medford, deceased; P. Uberti, administrator, assignor to P. Uberti, Malden, Mass. Hammer mechanism for use in straightening automobile bodies and fenders. 2,595,207, Apr. 29.

Uberti, Pasquale, administrator, assignee: *See*—
Uberti, Eugene.

Udale, Stanley M., Detroit, Mich, assignor to G. M. and E. Holley. Ignition device. 2,596,830, May 13.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Combined carburetor choke and nozzle. 2,617,038, Nov. 11.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Exhaust driven supercharger control. 2,621,472, Dec. 16.

Udell, Bettie A., La Junta, Colo. Suction nozzle with brush and wiper. 2,584,515, Feb. 5.

Udstad, Sigvald F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Railway car doorway structure. 2,617,369, Nov. 11.

Udy, Marvin J., Niagara Falls, N. Y. Metallurgy. 2,582,469, Jan. 15.

Udy, Marvin J., Niagara Falls, N. Y., assignor to Guaranty Investment Corporation, Limited, Montreal, Quebec, Canada. Treatment of matte to recover metallic salts. 2,609,272, Sept. 2.

Udy, Marvin J., Niagara Falls, N. Y., assignor to Guaranty Investment Corporation, Limited, Montreal, Quebec, Canada. Metallurgy. 2,610,911, Sept. 16.

Udy, Marvin J., Niagara Falls, N. Y., assignor to Guaranty Investment Corporation, Limited, Montreal, Quebec, Canada. Sulfur recovery. 2,619,407, Nov. 25.

Udy, Ray, Lapwai, Idaho. Harrow attachment for tractors. 2,591,028, Apr. 1.

Udylite Corporation, The, assignee: *See*—
Clark, Chester G.
Davis, John V.

Uecker, Otto E., assignor to A. O. Smith Corporation, Milwaukee, Wis. High-pressure closure. 2,584,100, Jan. 29.

Uehlein, Louis B., assignor to G. M. Peet Packing Co., Chesaning, Mich. Sliced bacon package. 2,596,514, May 13.

Ueltschi, Frank E., Saginaw, Mich. Mechanically actuated marionette control mechanism. 2,615,282, Oct. 28.

Ugelstad, John, assignor to Wm. A. Mohn & Søn A/S, Bergen, Norway. Producing protein plastics from fish protein. 2,602,031, July 1.

Uggerby, William, assignor to Young Radiator Company, Racine, Wis. Spring seal for tube and shell heat exchangers. 2,595,822, May 6.

Uher & Co. Gesellschaft fur Apparatebau, assignee: *See*—
Peterlik, Leopold.

Uhing, Eugene H.: *See*—
McKinney, Leonard L., Uhing, Setzkorn, and Cowen.

Uhink, Friedrich, Hamburg, F. Lautenbach, Hannover, J. Irtenkauf, K. Fickenscher, and R. Haller, Goppingen, assignors to Gebr. Boehringer G. m. b. H., Goppingen/Wurtt, Germany. Lathe transmission. 2,621,531, Dec. 16.

Uhl, Arthur W.: *See*—
Grant, Harry C., Jr., and Uhl.

Uhl, Peter W., assignor to General Motors Corporation, Detroit, Mich. Eliminating corrosion due to galvanic current set up by dissimilar metals in the presence of an ionized solution. 2,589,461, Mar. 18.

Uhl, William H., assignor to Commercial Controls Corporation, Rochester, N. Y. Envelope sealing machine. 2,609,790, Sept. 9.

Uhlig, George J.: *See*—
Mehan, Thomas O., and Uhlig.

Uhlig, Henry C., Clifton, assignor, by mesne assignments, to Howe Twister Corporation, Jersey City, N. J. Method of and apparatus for twisting yarn. Re. 23,509, May 27.

Uhlig, Henry C., Clifton, assignor to Howe Twister Corporation, Jersey City, N. J. Twisting spindle balloon compensating device. 2,614,381, Oct. 21.

Uhlmann, Erich, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement of static current converters. 2,621,319, Dec. 9.

Uhrenfabrik Eterna A. G., assignee: *See*—
Stamm, Heinrich.

Uhri, William C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Tank opening assembly. 2,594,599, Apr. 29.

Uhri, William C., Milwaukee, Wis. Cleaning surfaces. 2,605,596, Aug. 5.

Uhri, William C., Milwaukee, Wis. Washing and cleaning gun. 2,606,073, Aug. 5.

Uhrmacher, Ralph R., and E. Cairelli, assignors to Wilson-Jones Company, Chicago, Ill. Lock for compressor plates. 2,623,528, Dec. 30.

Ulfstedt, Leo T.: *See*—
Simonsson, Lennart H., and Ulfstedt.

Ulfstedt, Torsten L.: *See*—
Simonsson, Hans L., and Ulfstedt.

Uline, Migiel J., Washington, D. C. Pocket autographic register. 2,617,666, Nov. 11.

Uline, Migiel J., Washington, D. C. Tamperproof pocket autographic register. 2,622,898, Dec. 23.

Uline, William A., and H. P. Rowell, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Lead assembly. 2,603,682, July 15.

Uljak, Paul, Passaic, N. J. Can perforator and pourer. 2,607,511, Aug. 19.

Ullman, John E.: *See*—
Shinn, Byron H., and Ullman.

Ullman Products Corp., assignee: *See*—
Jacobowitz, Louis.

Ullman, Torsten E., assignee: *See*—
Öhlund, John A. I., and Bergman.

Ullmann, Harry M., deceased; by R. M. Ullmann, executrix, and J. G. Smull, Bethlehem, Pa., and E. Artim, Yancey Mills, Va.: said Artim assignor of one-sixth to said R. M. Ullmann, executrix, and one-sixth to said J. G. Smull. Acyclic olefinic acid condensation product of polyhydric alcohol compound. 2,587,411, Feb. 26.

Ullmann, Philipp, Northampton, England. Motor for toys. 2,601,908, July 1.

Ullmann, Rachel M., executrix, assignee: *See*—
Ullmann, Harry M., Smull, and Artim.

Ullmann, Stuart E., Lake Bluff, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,592,494, Apr. 8.

Ullrich, Fred J., Kalamazoo, assignor to L. A. Fordon, Detroit, Mich. Stacking box or tray. 2,581,613, Jan. 8.

Ullrich, Osmar A., Jr.: *See*—
Turner, Arthur F., and Ullrich.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Preparation of aminophthalidylalkane salts. 2,581,986, Jan. 8.

Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Basic ether-substituted isoquinolines. 2,612,503, Sept. 30.

Ulmaniec, Andrew, Minneapolis, Minn. Bumper structure. 2,613,976, Oct. 14.

Ulmer, Richard C., Tuckahoe, assignor to E. F. Drew & Co., Inc., New York, N. Y. Prevention of corrosion in steam lines. 2,587,249, Feb. 26.

Ulmer, William W., Alexandria, and L. R. Burroughs, South Bend, Ind., said Burroughs assignor to said Ulmer. Cast pigmented plastic sheet. 2,615,271, Oct. 28.

Ulmschneider, Lawrence A.: *See*—
Jones, John G., and Ulmschneider.

Ulrich, Carl E., Modesto, Calif. Combination pocket toilet article. 2,587,550, Feb. 26.

Ulrich Foundation, Inc., assignee: *See*—
Ulrich, Raymond M.

Ulrich, Raymond M., Roanoke, Ill., assignor to Ulrich Foundation, Inc. Wagon hoist. 2,596,948, May 13.

Ulrich, Raymond M., Roanoke, Ill., assignor to Ulrich Foundation, Inc. Hydraulic coupler valve construction. 2,614,866, Oct. 21.

Ulrich, Robert E., Riverton, N. J., assignor to Radio Corporation of America. Handle for sensory aid instrument having light projecting means. 2,600,708, June 17.

Ulrich, Solomon D., Shelbyville, assignor to A. L. Jones, Stewardson, Ill. Fertilizer spreader hood. 2,586,492, Feb. 19.

Ulrich, Theodore, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Vehicle body cowl construction. 2,613,985, Oct. 14.

Umbach, James R.: *See*—
Prentice, James M., and Umbach.

Umbarger, James A., and G. E. Heveran, Waukegan, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Voltage regulator adjustment. 2,617,907, Nov. 11.

Umberger, Jacob Q., Holmdel, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic elements having a light-sensitive silver halide layer and a stripping layer composed of a polyvinyl pyridine quaternary salt and using such elements. 2,612,446, Sept. 30.

Umberger, Jacob Q., Holmdel, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stripping film and stripping. 2,615,807, Oct. 28.

Umberger, Jacob Q., Holmdel, and A. W. Grumbine, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stripping photographic emulsions. 2,609,290, Sept. 2.

Umbrella Machinery Corp., assignee: *See*—
Levin, Joseph.

Umpleby, Kenneth F., Baltimore, Md., assignor to The Decca Record Company, Limited, London, England. Electrodynamic phonograph pickup. 2,593,633, Apr. 22.

Umstead, Donald E., Youngstown, Ohio. Foldable collinear antenna. 2,586,276, Feb. 19.

Umstott, Haven D.: *See*—
Sprinkel, Robert B., Umstott, and Knight.

Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Masi, Anthony, Jr., and Barbieri.

Underhill, M. G., assignee: *See*—
Kochendoerffer, Herman.

Underhill, Norman R., Webster Groves, Mo. Chair of knockdown type. 2,580,707, Jan. 1.

Underkofler, Leland A.: *See*—
Christensen, Leo M., and Underkofler.

Underwood, Burl R., Ypsilanti, Mich. Antifriction thrust bearing for electric socket wrenches. 2,584,172, Feb. 5.

Underwood Corporation, assignee: *See*—
Anderson, Walter A.
Brink, Herbert S.
Dobson, William A.
Helmond, William F.
Pitman, Richard W.
Schroder, Charles.
Sharpe, Arthur H.
Sundstrand, Oscar J.
Von Hacht, William H.
Wise, Elmer L.

Underwood Electric & Mfg. Co., Inc., assignee: *See*—
Raleigh, James F.

Underwood, George C.: *See*—
Malone, Harold L., and Underwood.

Underwood, James W.: *See*—
Nelson, John D., Pyle, and Underwood.

Underwood, John B., Grass Valley, Calif. Atomic model machine. 2,601,729, July 1.

Underwood, Julius E., and A. Hill, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Chlorite-sulfite redox-initiated aqueous polymerization of vinyl chloride. 2,604,468, July 22.

Underwood, Julius E., and A. Hirsch, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Brake lining and making same. 2,611,727, Sept. 23.

Underwood, Orville J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Speed responsive generator. 2,597,207, May 20.

Underwood, Roger D., Western Springs, Ill., assignor to General Motors Corporation, Detroit, Mich. Truck safety hook. 2,617,367, Nov. 11.

Underwood, Roy J., and S. E. Pierce, Langhorne, Pa. Utility tongs. 2,622,917, Dec. 23.

Underwood, Wilford H., Atlanta, Ga. Illuminated road barricade. 2,583,244, Jan. 22.

Undy, Gustav E., Detroit, Mich., assignor, by mesne assignments, to Weltronic Company. Electrical control system. 2,583,755, Jan. 29.

Undy, Gustav E., assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,600,941, June 17.

Ungar, Ernest, assignor of one-half to Telefon Fabrik Automatic A/S, Copenhagen, Denmark. Metering system for telephony. 2,596,308, May 13.

Ungar, Ernest, Lyngby, assignor of one-half to Telefon Fabrik Automatic A/S, Copenhagen, Denmark. Deposit-controlled timing system for telephony. 2,623,950, Dec. 30.

Ungar, Jules, New York, N. Y. Collapsible lighting shield for tobacco pipes. 2,592,835, Apr. 15.

Unger, Adolf A., assignee: *See*—
Wold, Clarence W.

Unger, Dolores J.: *See*—
Unger, Hector F.

Unger, Earl D., L. A. Smith, and H. F. Willkie, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Purifying high-proof alcohol. 2,618,590, Nov. 18.

Unger, Hector F., deceased, Portland, Oreg.; D. J. Unger, executrix of said H. F. Unger. Sprinkler rotating spinner drive. 2,610,089, Sept. 9.

Unger, John E., Chicago, Ill. Cricket cane. 2,610,441, Sept. 16.

Unger, Magnus, Pittsfield, Mass, assignor to General Electric Company. Hydraulic thermostatic mechanism for electric induction apparatus. 2,587,412, Feb. 26.

Unger, Magnus, and M. H. Bates, Pittsfield, Mass., assignors to General Electric Company. Tank joint. 2,590,803, Mar. 25.

Unger, Paul R., assignee: *See*—
Mautner, Henry M., and Weiss.

Ungerleider, Henry S.: *See*—
McGhan, Elmer W., and Ungerleider.

Union Asbestos & Rubber Company, assignee: *See*—
Breen, Henry D.
Cryor, Robert E., and Johnson.
Lundvall, John S.
O'Connor, Arthur F.

Union Bag & Paper Corporation, assignee: *See*—
Davis, William L.

Union Carbide and Carbon Corporation, assignee: *See*—
Allen, Ivey, Jr., Marshall and Wightman.
Alspaugh, Paul L., and Cook.
Barnes, Malcolm H., and McCandless.
Binder, William O., and Thompson.
Bludeau, Robert E.
Bonin, Paul G.
Bowditch, Frederick T.
Brennan, Joseph H.
Briney, Robert M.
Brooks, Paul S., and Schumacher.
Burt, Samuel L.
Cahoon, Nelson C., and Heise.
Chappell, Charles H.
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.
Cook, Gerhard A.
De Coudres, Robert A., and Myers.
Doughty, Edward W., Murray, and Fales.
Drummond, Arthur P.
Eversole, William G., and Drost.
Fritz, William H.
Haine, Walter A.
Harding, James.
Hatfield, Marcus R.
Heise, George W., and Fox.
Heise, George W., and Schumacher.
Heise, George W., Schumacher, and Wilson.
Hemperly, William F., and Smith.
Hoffman, James A., Oldham, and Jacobsson.
Jacobsson, Wilgot J.
Jacobsson, Wilgot J., Hoffman, and Oldham.
Jenkins, Colin N.
Johnston, Franklin.
Kay, Jerry W.
Kennedy, Harry E.
King, Lawrence J.
Knewstubb, Norman W., and Jenkins.
Lanham, William M
Lobosco, Roscoe R.
Marsal, Paul A.
Marsal, Paul A., and Fox.
McElrath, Thomas, Jr.
Meincke, Edward.
Mesinger, William F.
Miller, Alfred J.
Miller, Alfred J., Weidner, and Kolody.

Union Carbide and Carbon Corporation, assignee: *See*—Continued.
Moesinger, Fred, Jr.
Newton, Lawrence W.
Nissel, Frank R.
Oldham, Samuel R., Hoffman, and Jacobsson.
Oliver, John P.
Patch, George W., Jr., and Van Vleet.
Phillips, Benjamin, and Starcher.
Pilla, Frank J.
Potts, Lawrence D.
Powell, George M., 3rd, and Mullen.
Pritchett, Eric G. K., and Barnett.
Rice, Philip K.
Rice, Philip K., and Yendall.
Rockefeller, Beveridge J.
Schumacher, Erwin A.
Schumacher, Erwin A., and Bennett.
Schumacher, Erwin A., and Brooks.
Seemann, Arthur K.
Shirtland, Fred A., Jr.
Spracklen, Stanford B.
Stark, Louis E.
Sterman, Samuel.
Teas, Jean P.
Thayer, Russell M.
Turkington, Victor H., and Shechter.
Villoresi, John, and Scheller.
Wagner, George H.
Wagner, George H., and Erickson.
Wagner, Robert L.
Walter, Andrew T., and Fremon.
Walter, Andrew T., and Price.
Walton, Richard K.
Wilson, Howard R.
Winter, Lester L.
Wolf, Raymond A.
Wynstra, John.
Yendall, Edward F.
Young, Frank G., and Fitzpatrick.
Young, Lloyd W.

Union des Fabriques Belges de Textiles Artificiels "Fabelta," Societe Anonyme, assignee: *See*—
De Halleux, Pierre.

Union des Verreries Mecaniques Belges, S. A., assignee: *See*—
Babson, Edmund C., Ormsby and Turner.
Berg, Clyde H. O.
Brichard, Edgard.
Castellano, William.
Cunningham, Orin D.
Doumani, Thomas F., and Coe.
Fischer, Paul W.
Fischer, Paul W., and Rogers.
Fleck, Raymond N.
Henry, Georges, Brichard, and Delacuvellerie.
Kantzer, Basil P.
McNeill, James M.
Polly, Orville L.
Polly, Orville L., and Cunningham.

Union Ice Company, The, assignee: *See*—
Rear, James C., and Bobby.

Union Insulating Co., Inc., assignee: *See*—
Palmer, Lewis E.

Union Machine Company, assignee: *See*—
O'Neill, Edward M.

Union Manufacturing Company, assignee: *See*—
Church, Albert E.

Union Metal Manufacturing Company, The, assignee: *See*—
Anderson, W. Carl, and Dewey.

Union Novelty Company, Inc., assignee: *See*—
Hahn, Alfred.

Union Oil Company of California, assignee: *See*—
Backlund, Peter S., and Polizzotto.
Berg, Clyde H. O.
Bills, John L., and McKinnis.
Buckmann, John P.
Craggs, Donald E.
Deering, Roland F.
Doumani, Thomas F., Coe, and Attane.
Doumani, Thomas F., and Deering.
Doumani, Thomas F., and Long.
Fischer, Paul W.
Gard, Clare D., and Laurence.
Hanson, Ross A., and Scott.
Imhoff, Donald H., and Berg.
McKinnis, Art C.
Mertes, Richard W.
Neff, Loren L.
Reed, Homer C., Berg, and Leffert.
Smith, Andrew I.
Worth, Harry J., Page, and Cook.

Union Railway Equipment Company, assignee: *See*—
Jahn, Emmett C.

Union Special Machine Company, assignee: *See*—
Christensen, Norman V.
Hayes, Robert A.
Ostertag, Victor.
Peterson, Albert C., Hayes, and Lukins.
Peterson, Albert C., and Will.
Rykert, Willard C.
Sauer, George, and Smith.
Schweda, Albert M.

Union Special Maschinenfabrik, G. m. b. H., assignee: *See*—
Lutz, Friedrich.

Union Spring and Manufacturing Co., assignee: *See*—
Stewart, Howard J.

Union Starch & Refining Company, assignee: *See*—
Cleland, James E.
Longenecker, Joseph B.

Union Steam Pump Company, assignee: *See*—
Yohpe, Reinhard A.

Union Steel Products Company, assignee: *See*—
Averill, Charles C.
Bitney, Dewey H.
Kemler, Glenn C.

Union Totalisator Company Limited, The, assignee: *See*—
Handley, John.

Union Wadding Company, assignee: *See*—
Axworthy, Charles G.
Carrigan, Robert E.

Union City Body Company, Inc., assignee: *See*—
Bromagem, Irl R.

Unit Crane & Shovel Corp., assignee: *See*—
Swanson, Hilbert E.

Unit Rig & Equipment Company, assignee: *See*—
Guier, William, and Carter.

United Advertising Corporation, assignee: *See*—
Hathaway, William R.

United Aircraft Corporation, assignee: *See*—
Anderson, Bror G.
Best, Stanley G.
Bodger, Walter K.
Boyce, William C.
Brown, Bertrand H.
Brown, Edmund D.
Bulvid, Michel D.
Bulvid, Michel D., and Alex.
Caldwell, Frank W.
Campbell, Paul J.
Carlson, Russell M.
Clark, John R., and Christy.
Conr, Richard J.
Conwell, Charles B.
Czarnecki, Sigmund A.
Diefenderfer, William E.
Donovan, Raymond F.
Elliott, Phillip N.
Fox, Samuel S., and Talbot.
Frankland, Earl M.
Gerstenberger, Walter.
Gluhareff, Michael E.
Guyton, Boone T., and Lindstrom.
Hasbrouck, John S.
Hoffmann, Anton R., and Crump.
Jordan, Donald J.
Judd, Frederick V. H.
Kalitinsky, Andrew.
Kearns, Charles M., Jr.
King, Alexander H.
Lampton, Glen T., and Martin.
Lanbin, Clarence W.
Lee, John G.
Martin, Erle.
Martin, Earle, and Edson.
Moore, Earl K., and Edson.
Newcomb, Philip P.
Poole, David M.
Rhines, Thomas B., and Gerstenberger.
Richey, David M.
Rockwell, Albert M.
Schultz, Carl.
Schultz, Carl, and Avena.
Sikorsky, Igor I.
Smith, Charles B.
Tyler, John M.
Wallace, Rudolf N.
Williams, Gordon T.
Zuiderhoek, Otus E.

United Aircraft Products, Inc., assignee: *See*—
Booth, Harry T.
Ghormley, Edwin I.
Hamilton, Miles H.
Hoffman, Allan C., Geddes, and Olcott.
Landis, Elmer.

United Biscuit Company, assignee: *See*—
Richardson, Ralph R., and Edmondson.

United Board & Carton Corporation, assignee: *See*—
Shina, Frank C.

United Carbon Company, Inc., (Maryland), assignee: *See*—
Skoog, Robert W., and Drogin.

United-Carr Fastener Corporation, assignee: *See*—
Becker, Philip D.
Bedford, William A., Jr.
Brown, Robert L.
Churchill, Wilmer H.
Cochran, Clarence W.
Johnson, Frank E.
Johnson, Russell W.
Jones, Walter I.
Kral, Joseph.
Powell, Leonard A.

United-Carr Fastener Corporation, assignee: *See*—Con.
Ross, Robert E.
Sampson, Frederick S.
Van Buren, Harold S., Jr.
Woodward, Clement A.

United Chemical and Metallurgical Works, National Corporation, assignee: *See*—
Ettel, Viktor.

United Chromium, Incorporated, assignee: *See*—
Passal, Frank.

United Co-Operatives, Inc., assignee: *See*—
Shipman, Russell C.

United Engine & Machine Co., assignee: *See*—
Sulprizio, Lucello.

United Engineering & Foundry Company, assignee: *See*—
Biggert, Florence C., Jr., and Talbot.
Grau, Herman E.
Sieger, Maurice P.
Talbot, Howard H.
Tener, Graydon B., and Hazen.

United Engineers & Constructors Inc., assignee: *See*—
Eaton, Gerald L.
Glover, Clarence B.
Hang, John S.
Haug, John S., and Janeway.

United Gas Pipe Line Company, assignee: *See*—
Wood, Jesse W.

United Geophysical Company, Inc., assignee: *See*—
Keeling, Jack R., Jr.
McCoy, Marcus A.

United Glass Bottle Manufacturers Limited, The, assignee: *See*—
Sturgeon, Reginald, and Seddon.

United Industrial Syndicate, Inc., assignee: *See*—
Lebensfeld, Harry.

United Iron Works, assignee: *See*—
Lobanoff, Val S.

United Last Company, assignee: *See*—
Barto, Charles F.

United Merchants and Manufacturers, Inc., assignee: *See*—
Hawley, Thomas G., Jr., and Landau.
Ryder, James C.

United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Punzak, Joseph F.

United Metal Seal Company, assignee: *See*—
Lindstrom, Andrew E.

United Products Co., Inc., assignee: *See*—
Coby, George.

United Royalties Corporation, assignee: *See*—
Bordwell, Lavern.

United Shoe Machinery Corporation, assignee: *See*—
Abbott, Arthur R.
Alderman, Leon D.
Ashley, John W., and Leahy.
Astley, Merwin F.
Ashworth, Fred.
Ashworth, Fred, and Heeley.
Bagshaw, Charles M., and Lane.
Baker, Corwin W.
Birch, William G.
Bradley, Robert L.
Bradley, Robert W.
Bradley, Robert W., and Osborn.
Brophy, John J.
Brophy, John J., and Newton.
Butler, Ernest L.
Butler, Ernest L., and Eppler.
Butler, Ernest L., and Holmes.
Campbell, Charles R., Jr.
Cantley, Joseph C.
Chandler, James D.
Clark, Alfred S.
Cohen, Paul.
Cook, Sidney H.
Cooper, Basil P.
Courchene, Theodore P.
Crowell, Ernest M.
Cutler, Wallace M., Greenough, and Kant.
Dixon, Paul H.
Eastman, Fred C.
Eldred, Edwin C., Jr.
Elliott, Harold E., George, and Rivington.
Ewart, John M., and Macdonald.
Ferland, Napoleon S.
Finn, Sidney J.
Fossa, Joseph.
Fredericksen, James P.
Garratt, Leslie, and White.
Gookin, Sylvester L.
Gross, Charles J.
Gudger, Jesse.
Gulbrandsen, Helge.
Haas, Otto R.
Harrington, Joseph, Jr.
Hart, George T.
Heeley, Roland.
Holmes, Otis M.
Hutchinson, Philip.
Imhof, Herman A.
James, Cyril H., and Ricks.
Janas, Walter J.

United Shoe Machinery Corporation, assignee: *See*—Con.
Jorgensen, Bernhardt.
Juhola, Carl.
Kenil, Frank B.
Kestell, Thomas A.
Kilham, Charles O.
Knott, Clyde L.
Knowlton, Cutler D.
Knowlton, Norwood H.
Koloske, Henry J.
Korkatti, Theodore R.
Lane, Robert F.
Lawson, Robert H.
Leahy, James F., and Ashley.
Lisbon, Joseph C., and Lyness.
Macdonald, Lester S.
Maciejowski, John J., and MacKenzie.
MacKenzie, Fred T.
Maeser, Mieth.
Mariner, Norman E.
Mariner, Norman E., and Knowles.
Mawbey, Lawrence.
Melanson, Charles G.
Miller, John A.
Miller, Lloyd G.
Morgan, Paul E.
Morrill, Alfred R.
Naugler, Walter E., and Stacey.
O'Laughlin, Thomas J.
Oliver, John R.
Olson, Arthur R., and Gelewitz.
Olson, Arthur R., McMillan, and Davis.
Oswald, Alfons.
Paulsen, Hans C.
Phillips, Harry.
Pratt, John W.
Pratt, John W., and Simms.
Pringle, Allan S.
Proulx, Leonard E., and Hill.
Quinn, Edward.
Rivington, Arthur A.
Robinson, Charles A.
Robson, William S.
Russ, Harley W., and Joiner.
Seely, Thomas H.
Senfleben, Paul W.
Shaffer, Walter D.
Shaw, Harold G., Leahy, and Ashley.
Stacey, Ernest W.
Stacey, Ernest W., and Hannable.
Steimen, Lawrence E.
Sutton, Ralph E., and Trask.
Topham, Laurence E.
Walsh, John E., and Greene.
White, Percy.
Willmott, Herbert J.
Woodman, Charles K.

United Specialties Company, assignee: *See*—
Blair, Mark L., and Eastman.
Dreznes, John J.
Eastman, David P., and Swansen.

United Steel & Wire Company, assignee: *See*—
Alexander, Walker R.

United Technical Laboratories, assignee: *See*—
Kraft, Russell E., and Washington.

United Tool & Die Company, The, assignee: *See*—
Carney, James J.

United States Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Vonnegut, Bernard, and Katz.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Allard, Gerard A.
Backus, John G.
Bacon, Conrad G.
Baker, William R.
Ballou, Charles O.
Barnes, Arthur H.
Beckman, Arnold O., Herd, and Robinson.
Bernstein, William, and Ballentine.
Booth, Eugene T., Jr.
Borkowski, Casimer J., and Fairstein.
Borkowski, Casimer J., and Firminhac.
Bousman, Henry W.
Brobeck, William M., and Dorward.
Brown, Clarence J.
Calvin, Melvin, and Weigl.
Carlson, Oscar N., and Wilhelm.
Chun, Melvin E.
Clack, Robert W.
Clarke, Howard F.
Dempster, Arthur J.
Dieke, Gerhard H.
Elmore, William C.
Farnsworth, Hugh D.
Fowler, Robert D., and Anderson.
Fowler, Robert D., Burford, and Anderson.
Friedel, Howard H.
Ginell, William S.
Glenn, William E., Jr.
Gordon, Carroll M.
Gould, Charles B.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—Con.
Gow, James D.
Graham, Clifton B.
Gray, C. F.
Griess, John C., Jr., and Rogers.
Groth, Edward J., Jr.
Gruen, Dieter M., and Katz.
Grunsky, Carl E.
Handforth, Stanley L.
Hanson, Alfred O.
Herndon, Howard V., and Hoff.
Holloway, Marshall G.
Hurst, George S.
Hutchinson, Clyde A., Jr., and Smith.
Ingham, Mark G., and Rustad.
Jacobs, Robert B.
Jacobson, Homer.
Johnson, John S., and Schulman.
Kabell, Louis J., Richards, and Dyer.
Kahn, Milton.
Kanne, William R.
Kerns, Quentin A.
Kerns, Quentin A., Whitcomb, and Brown.
Kirkpatrick, Alton, and McMeen.
Kirshenbaum, Isidor.
Kolodney, Morris.
Le Vine, Harris D., and Di Giovanni.
Livingston, Milton S.
Loverde, Anthony.
Lyon, Richard N. Bankoff, and Smetana.
MacNeille, Stephen M.
Mannal, Clifford.
Martin, Marvin D.
McMillan, Edwin M.
Mead, Louis W., and Armistead.
Miller, Warren W., Turkevich, and Zwiebel.
Miller, William T.
Miller, William T., Dittman, and Reed.
Miller, William T., and Fager.
Molloy, Everett W.
Monk, George S.
Mulford, Stewart F.
Neil, Hugh G.
Nelson, Walter H.
Newton, Amos S.
Nierman, Leonard G.
Noland, Robert A., and Szymko.
Palevsky, Harry, and Swank.
Parsegian, Vozcan L., and Stevens.
Parsons, J. Howard.
Pawlicki, Gerard S.
Perkins, Melvin A., and Couper.
Pitzer, Edgar C.
Powell, Wilson M.
Priedigkeit, John.
Proudfoot, Charles B.
Raper, John R., and Zirkle.
Reid, John D.
Reynolds, Frederick L.
Rich, Theodore A., and Bigelow.
Rose, John E., and Hinspater.
Rudolph, Onie B.
St. John, Ercell E.
Sands, Matthew L.
Schenck, Remsen T.
Schlesinger, Hermann I., and Brown.
Schrader, George F.
Segre, Emilio G.
Serduke, James T., and Webster.
Shaw, Albert E., and Rall.
Sheft, Irving, and Fried.
Simpson, John A., Jr.
Simpson, Kenneth M., Baker, and Kerns.
Stone, Wallace G.
Straus, Henry A., Bell, and Murray.
Thomas, Robert E.
Thompson, Robert W.
Thompson, Robert W., and Leland.
Walton, Wilson W., and Bowers.
Weeks, Robert R.
Weimer, Paul E.
Weller, Barton L.
Wiegand, Clyde E.
Wiegand, Clyde E., and Chamberlain.
Wilder, Coleman D.
Wilhelm, Harley A.
Wilhelm, Harley A., and Walsh.
Wilson, Robert R.
Wolff, John L., Jr., and Aldrich.
Wouters, Louis F.
Zinn, Walter H.
Zollers, Samuel M.
U. S. Bedding Company, assignee: *See*—
Haas, Joseph D.
U. S. Bobbin & Shuttle Company, assignee: *See*—
Gosselin, Wilfrid J.
Locke, Jack.
U. S. Bottlers Machinery Company, assignee: *See*—
Risser, Ivan H.
U. S. Cloth Cutting Machine Co., assignee: *See*—
Komow, Albert P.
United States Drill Head Co., assignee: *See*—
Speckin, Alfred P.
United States Electric Mfg. Corp., assignee: *See*—
Evans, William M., and Thacker.
Martial, Jacques, and Ciampa.
United States Envelope Company: *See*—
Heywood, Vincent E.
U. S. Gas Generator Corp., assignee: *See*—
De Wees, Charles V.
United States Gasket Company, assignee: *See*—
Hobson, Charles M., Jr.
United States Gypsum Company, assignee: *See*—
Baker, George W.
Camp, Thomas P.
Clark, Charles T.
Downey, Richard M.
Frost, Orcutt W., and Conover.
Huntzicker, Harry N., and Wise.
Schuetz, Clyde C., and Norman.
Willey, Grant S.
Willey, Grant S., and Frost.
Wise, John K.
United States Hoffman Machinery Corporation, assignee: *See*—
Armstrong, Francis J.
Berger, Meyers M.
Fallmezger, Eugene A.
United States Instrument Corporation, assignee: *See*—
Barry, Leon G.
United States Leather Company, The, assignee: *See*—
Migliarese, John.
U. S. Machine Corporation, assignee: *See*—
Vawter, Wilber W.
Winkler, Herman E.
U. S. Metal Products Company, Inc., assignee: *See*—
Lapidus, Sol H.
United States Motors Corporation, assignee: *See*—
Curtis, Guy A.
United States of America, assignee: *See*—
Marwell, Edward M., and Kenngott.
Welch, Henry.
United States Playing Card Company, The, assignee: *See*—
Squires, Richard.
United States Plywood Corporation, assignee: *See*—
Cone, Charles N.
Hemming, Charles B., and Overholt.
Tuttle, Orvil S.
United States Printing & Lithograph Company, The, assignee: *See*—
Fischer, Howard J.
U. S. Propellers, Inc., assignee: *See*—
Van den Bergh, Frans.
United States Quarry Tile Company, assignee: *See*—
Feichter, Harold R.
United States Radiator Corporation, assignee: *See*—
Carroll, Clayton C.
Turner, John W.
United States Rubber Company, assignee: *See*—
Abbott, Charles W.
Adams, James W.
Adams, James W., and Reynolds.
Barton, Bernard C.
Barton, Bernard C., and Auer.
Bevilacqua, Edward M.
Bruckach, William F., Jr., and Howland.
Buckley, John L.
Comerford, Robert E., Fuhrman, and Marous.
Cooper, Harry E.
Cowgill, William W.
Crawford, William B.
Cunningham, Marion M.
Danielson, Arthur C.
Danzig, Meyer H.
Danzig, Meyer H., and Marous.
Di Cicco, Anthony R., and Ericson.
Doak, Kenneth W., and Wilzbach.
Dunn, Walter R.
Eckert, Charles F.
Eger, Ernst.
Egge, Edwin G.
Ericson, Donald E., and Kwierant.
Ewart, Elliott S.
Ewart, Roswell H.
Ewart, Roswell H., and Smith.
Feldman, John E.
Fisk, Charles F.
Foster, Boutwell H.
Frisch, Hans R.
Futterknecht, Leo E.
Gartrell, Robert D.
Grannis, William C.
Grant, Arthur W.
Helde, John D., and Feldman.
Hodgkins, Hollis C.
Hoffmann, Otto L., and Schoene.
Howe, Harold S.
Hulswit, William H., Jr., Briscoe, and Berry.
Hunter, Byron A.
Hurt, Victor H.
Iknayan, Alfred N.
Kirby, Walter G., and Steinle.
Knapp, Robert L., and Schoene.
Kulp, Lester C., Van Buskirk, and Hunter.
Ladd, Elbert C.

United States Rubber Company, assignee: *See*—Continued.
Ladd, Elbert C., and Harvey.
Ladd, Elbert C., and Kiley.
Ladd, Elbert C., and Paxton.
Leukhardt, William H., Jr., and Adams.
Lewis, Arthur P., and Fisk.
Lovell, Dale E.
Marous, Leonard F.
Martin, Frank S.
Merck, William A., and Olson.
Meyer, Albert W., and Hermonat.
Mooney, Melvin.
Mooney, Melvin, and Copeland.
Murray, Harold C.
Nelb, Robert G.
Newby, Thomas H.
Newman, Ferris E.
Olson, Mark W.
Rhodes, Thomas J.
Romeyn, Hendrik, Jr., and McCleary.
Romeyn, Hendrik, Jr., and Petras.
Schlessinger, Ruth L.
Seymour, Dexter C.
Slovin, David G.
Smith, Omar H.
Stander, Ruth L.
Tawney, Pliny O.
Ternes, Raymond F.
Tidd, Elbert D.
Warren, John C. R., and Hager.
Wilzbach, Kenneth E.
Zukel, John W., and Harris.
U. S. Rubber Reclaiming Company, Inc., assignee: *See*—
Elgin, Joseph C.
United States Sheetwood Company, assignee: *See*—
Goss, Worth C.
U. S. Slicing Machine Company, Inc., assignee: *See*—
Foster, James L.
Van Berkel, Wilhelmus A.
Van Duyn, Adrianus.
Van Duyn, Adrianus, and van Hoorn.
United States Spring & Bumper Co., assignee: *See*—
Rauen, Raymond H.
United States Steel Company, assignee: *See*—
Adams, Orlando P., and Mayer.
Andrews, John W.
Braun, Karl F., and Griffiths.
Brickman, Alan E.
Chase, Charles R., and Bliss.
Chenault, Roy L., and Mohnkern.
Clyde, John A.
Coan, Richard L.
Darmara, Falih N.
Davis, Henry M.
Day, Maurice J., and Rahrer.
Dilworth, David I.
Donelson, John G., and Vaurio.
Doyle, Matthew J.
Eckel, Joseph C.
Egge, Klaus.
Eriand, Gustave G., and Pearson.
Ford, George A.
Gommel, Ernest W.
Goodsell, George H.
Gross, Harry E.
Hammer, Rolf O.
Harter, Noah S.
Hartney, James L.
Hill, William J., and Wales.
Hodge, Abram L.
Hodge, John M., and Manning.
Johnston, Earl W.
Keammerer, Roy P.
Keim, Charles J.
Kelso, John W.
Kirchner, George J., and Ottinger.
Kirk, Lowell M.
Kratzenberg, Edwin J.
Long, Louis W.
Lorig, Edwin T.
MacMeans, Marshall H., and Oberdoerster.
Maier, August R.
Maier, August R., and Jacoby.
McCabe, Chester V.
Michaelson, Stanley D., and Springer.
Miller, Charles E.
Mitchell, Walter F.
Moore, Dewey R.
Morrison, James J.
Mowat, John F.
Muller, Herman E., Jr.
Murphy, Paul N.
Mursch, William H.
Neish, Richard A.
Noll, Paul E., Crawford, Aller, and Rethey.
Ockerman, Myron A.
Offutt, John W.
Ottinger, Harry, and Trayers.
Pearson, Axel B
Peckman, Arnold L.
Pierce, Earl W.
Price, Robert D.
Purnell, Charles G.
United States Steel Company, assignee: *See*—Continued.
Quayle, Alexander.
Rendel, George H.
Rennick, James S.
Rhodes, Gerald E.
Richards, Edwin B.
Richards, Raymond C.
Riedel, Frederick W.
Roe, De Forest.
Sanderson, Gunnar.
Schefe, Frederick K.
Scherba, George J.
Schott, Charles W.
Shack, Andrew T., and Zemberry.
Sneddon, John.
Strohm, Vernon L., and Kelly.
Stufft, John W.
Teplitz, Alfred.
Thomas, Roscoe R.
Thompson, Robert H., and Harvey.
Vankrimpen, Bernard E.
Van Lake, Carmen J.
Wallace, Henry J.
Ward, Alfred H.
Wearne, Richard D.
United States Steel Corporation, assignee: *See*—
Coleman, William E.
United States Stoneware Company, The, assignee: *See*—
Eckert, John S
U. S. Textile Machine Company, assignee: *See*—
Thomas, Pacific J.
U. S. Thermo Control Co., The, assignee: *See*—
Jones, Frederick M.
United States Time Corporation, The, assignee: *See*—
Harris, Wilbur T., and McAloon.
Rawlings, Arthur L.
U. S. Vitamin Corporation, assignee: *See*—
Freedman, Louis.
Warren, Irving.
Universal Atlas Cement Company, assignee: *See*—
Ludwig, Norman C.
Universal Aviation Corporation, assignee: *See*—
Sullivan, James F.
Universal Camera Corporation, assignee: *See*—
Cassidy, John D., and Marks.
Universal Chain Co. Inc., assignee: *See*—
Weinacker, Hermann, and Dieterich.
Universal Concrete Pipe Company, assignee: *See*—
Jackson, Vincent R.
Universal Controls Corporation, assignee: *See*
Peterson, Charles D.
Universal Manufacturing Corp., assignee: *See*—
Blackburn, Leroy S.
Kirkpatrick, John A.
Universal Match Corporation, assignee: *See*—
Ellern, Herbert.
Hommel, Theodore.
Universal Mono-Tabular Corporation, assignee: *See*—
Horn, Harry L.
Universal Molded Products Corporation, assignee: *See*—
Nebesar, Robert J.
Universal Oil Products Company, assignee: *See*—
Alther, Joseph G.
Barnes, Marion W.
Beam, Jon.
Becker, Harold A.
Belden, Donald H.
Bielawski, Mitchell S.
Bielawski, Mitchell S., and Mavity.
Bloch, Herman S.
Bloch, Herman S., and Geiser.
Bloch, Herman S., and Hoffman.
Bloch, Herman S., and Thompson.
Bloch, Herman S., and Wackher.
Boyd, David M., Jr.
Brown, Kenneth M., and Gerhold.
Cahill, John T., and Jandacek.
Chenicek, Joseph A.
Chenicek, Joseph A., and Brown.
Chenicek, Joseph A., and Gleim.
Deanesly, Richard M.
Deanesly, Richard M., and Watkins.
Geiser, Edward M.
Geiser, Edward M., and de Rosset.
Gerhold, Clarence G.
Gleim, William K. T.
Gleim, William K. T., Gaydasch, and Rosenwald.
Grote, Henry W.
Haensel, Vladimir.
Hanson, Olaf M.
Hanson, Olaf M., and Linn.
Hervert, George L.
Hervert, George L., and Bloch.
Hoekstra, James.
Hoffman, Alfred E., and Bloch.
Huff, Lyman C.
Hunter, Robert K.
Hunter, William K.
Ipatieff, Vladimir N., and Pines.
Johnstone, Warren W.
Kassel, Louis S.
Kinnaird, William R.
Leffer, Frederick W.

Universal Oil Products Company, assignee: *See*—Con.
Linn, Carl B.
Mammen, Howard E., and Hervert.
Mavity, Julian M.
Pines, Herman.
Pines, Herman, and Ipatieff.
Pines, Herman, and Kvetinskas.
Pines, Herman, Kvetinskas, and Ipatieff.
Rosenwald, Robert H.
Schmerling, Louis.
Stephens, John H.
Strong, James R.
Thomas, Charles L.
Thomas, Charles L., and Morrell.
Thompson, Ralph B., and Bloch.
Thompson, Ralph B., and Schmerling.
Turvey, William E.
Wankat, Charles, and Gervais.
Webb, Glenn M., and Moehl.
West, James P.

Universal Properties Inc., assignee: *See*—
Martin, Earnest E.

Universal Railway Devices Co., assignee: *See*—
Wilson, Jack.

Universal-Rundle Corporation, assignee: *See*—
Beam, James R.

Universal Steel Equipment Corporation, assignee: *See*—
Rosenberg, Philip.

Universal Vaporizer Corp., assignee: *See*—
Fenn, James A.

Universal Winding Company, assignee: *See*—
Bell, Charles C.
Bell, Charles C., Hitchcock, and Keith.
Fagan, Monroe E.
Goodhue, William V.
Keith, John V.
Molloy, John A.
Rohland, Curt J.
Swanson, Ernest R.

Universal Wire Spring Company, The, assignee: *See*—
Blumensaadt, Svend G.
Neely, William H.

University of Chattanooga, Industrial Research Institute of the, assignee: *See*—
Seymour, Raymond B.

University of Illinois, Board of Trustees of the, assignee: *See*—
Kesel, Robert G.
Thornberry, Halbert H., and Anderson.

University of Illinois Foundation, The, assignee: *See*—
Miles, John C.
Norris, John W.

University of Michigan, Regents of The, assignee: *See*—
Blicke, Frederick F.

University of Minnesota, Regents of The, assignee: *See*—
Holt, George W., and Kubicek.
Nier, Alfred O. C.

University of Pennsylvania, The, Trustees of The, assignee: *See*—
Ehrenstein, Maxmilian R.

University of Toronto, The Governors of The, assignee: *See*—
Taylor, Edith M., and Moloney.

Univis Lens Company, assignee: *See*—
Allen, Robert E., and Utzinger.

Unk, Jacob M., and W. L. Vervest, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Shaft positioning mechanism. 2,616,299, Nov. 4.

Unkauf, Henry C., Endicott, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting material. 2,613,149, Oct. 7.

Unkefer, Charles E.: *See*—
Devis, Earl L., and Unkefer.

Unsinger A P Corporation, assignee: *See*—
Unsinger, Philip H.

Unsinger, Philip H., assignor to Unsinger A P Corporation, Fremont, Ohio. Adjustable strip cutting tool. 2,601,183, June 17.

Unterhalter, Jack, Johannesburg, assignor to Rosydoze Bedding Company (Proprietary) Limited, Johannesburg, Transvaal, Union of South Africa. Convertible couch, settee, divan, and the like. 2,607,048, Aug. 19.

Unterharzer Berg- und Huttenwerke G. m. b. H., assignee: *See*—
Hellwig, Hans-Joachim.

Unthank, Douglas G., London, England. Tank. 2,623,565, Dec. 30.

Until, Frank P., Anaconda, Mont., J. T. Potts, and A. C. Ensign, Salt Lake City, Utah. Impact bar assembly for impeller breakers. 2,588,434, Mar. 11.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Curtain stretcher. 2,588,332, Mar. 4.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Folding curtain stretcher. 2,594,368, Apr. 29.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Curtain stretcher construction. 2,611,993, Sept. 30.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Curtain stretcher. 2,618,098, Nov. 18.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Nailing-in-metal machine. 2,623,209, Dec. 30.

Uotila, Gus, Fairbanks, Territory of Alaska, and J. W. Sandusky, Seattle, Wash.; said Uotila assignor to said Sandusky. Dragline ripper. 2,610,047, Sept. 9.

Upchurch, Frank J., assignor to D. & S. Engineering Company, Charlotte, N. C. Whip roll bearing. 2,604,122, July 22.

Updyke, Dean E., Tyrone, Pa. Torpedo level case. 2,607,129, Aug. 19.

Upham, Burt F., San Antonio, Tex., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Bed operating means. 2,597,687, May 20.

Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.
Heinzelmann, Richard V.
Heyl, Frederick W., and Centolella.
Heyl, Frederick W., and Herr.
Hogg, John A.
Hogg, John A., and Nathan.
Hunter, James H.
Hunter, James H., and Moffett.
Jackson, William G.
Leach, Byron E.
Levin, Robert H.
Levin, Robert H., and McIntosh.
Levin, Robert H., McIntosh, and Spero.
Levin, Robert H., and Wesner.
Magerlein, Barney J., and Weisblat.
Marlatt, Paul E., Hanze, McIntosh, and Levin.
Meyer, Curtis E., and De Vries.
Moffett, Robert B.
Murray, Herbert C., and Peterson.
Ott, Arnold C.
Reid, William B., Jr.
Reid, William B., Jr., and Schneider.
Spero, George B., Levin, and Heyl.
Weisblat, David I., and Lyttle.
Weisblat, David I., and Magerlein.

Upper, John A., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Ingot mold. 2,601,647, June 24.

Upright, Fred J., Grant, Nebr. Cheese dispenser. 2,580,864, Jan. 1.

Up-Right, Inc., assignee: *See*—
Johnson, Wallace J. S.

Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric N-boroureas and their preparation. 2,599,144, June 3.

Upson, Robert W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Aliphatic azo compounds having guanyl radicals on tertiary carbon attached to azo nitrogen. 2,599,299, June 3.

Upson, Robert W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerization employing amidines having azo groups. 2,599,300, June 3.

Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of phosphorus halides with monoolefin-carbon monoxide copolymers. 2,599,501, June 3.

Upton, Frederick P., New Rochelle, N. Y., assignor to Berke Brothers Distilleries Inc., Boston, Mass. Sundial and compass. 2,594,600, Apr. 29.

Upton, Frederick P., New Rochelle, N. Y. Combined string retainer and cutter structure. 2,605,542, Aug. 5.

Upton, Lee O., Chicago, assignor to D. T. Siegel, Wheaton, Ill. Resistor structure and manufacture. 2,623,145, Dec. 23.

Upton, Patrick B.: *See*—
Banks, William H., and Upton.

Uraneck, Carl A.: *See*—
Fryling, Charles F., and Uraneck.
St. John, Willard M., Jr., and Uraneck.

Uraneck, Carl A., Borger, and S. H. Landes, Phillips, Tex., assignors to Phillips Petroleum Company. Emulsion polymerization of a conjugated diene with a heavy hydroperoxide and a hyposulfite. 2,614,098, Oct. 14.

Uraneck, Carl A., Borger, C. M. Tucker, Phillips, and W. M. St. John, Jr., Borger, Tex., assignors to Phillips Petroleum Company. Stabilized activators and their use in emulsion polymerization. 2,614,100, Oct. 14.

Uraneck, Carl A., and W. M. St. John, Borger, and C. F. Fryling and J. E. Troyan, Phillips, Tex., assignors to Phillips Petroleum Company. Activator compositions and their use in emulsion polymerization. 2,614,101, Oct. 14.

Urbain, Leon F., Chicago, Ill. Transportation container. 2,601,184, June 17.

Urbain, Walter M.: *See*—
Kauffman, Floyd L., and Urbain.

Urban, George H.: *See*—
Day, Hobart M., and Urban.

Urban, Jane, assignee: *See*—
Wells, Chandler.

Urban, Stephen F., Kenmore, and G. F. Comstock, Niagara Falls, assignors to National Lead Company, New York, N. Y. Austenitic steels. 2,602,028, July 1.

Urban, Walter D.: *See*—
Arditi, Maurice, and Urban.

Urbano, Joseph V., Newark, N. J. Brake shoe lining stripper. 2,583,161, Jan. 22.

Urbanski, Czeslaw, Buffalo, N. Y. Dog harness. 2,605,744, Aug. 5.

Urbanski, Edward: *See*—
Dowling, Andrew J., and Urbanski.

Urdahl, Thomas H., assignor to Dry Air Products Co., Washington, D. C. Unit desiccator. 2,621,753, Dec. 16.

Urech, Ernst: *See*—
Miescher, Karl, and Urech.

Urich, William, Whittier, Calif. Supplemental top for automobiles. 2,596,309, May 13.

Urquhart, Glenn R., Southfield Township, Oakland County, assignor to General Motors Corporation, Detroit, Mich. Hold-down for bows of collapsible tops. 2,602,692, July 8.

Urschel, Gerald W.: *See*—
Urschel, William E. J. R., and G. W.

Urschel, Joe R., Valparaiso, Ind., and L. E. Walton, Niles, Mich. Mushroom trimming machine. 2,621,692, Dec. 16.

Urschel, Joe R., administrator: *See*—
Urschel, William E.
Urschel, William E., J. R., and G. W.

Urschel, William E., deceased, Valparaiso, Ind.; J. R. Urschel, administrator. Machine for building walls of hardenable plastic material. 2,607,100, Aug. 19.

Urschel, William E., deceased, Valparaiso, Ind., J. R. Urschel, administrator. Fruit stemming machine. 2,621,690, Dec. 16.

Urschel, William E., deceased, J. R. and G. W. Urschel, Valparaiso, Ind., J. R. Urschel, administrator of said W. E. Urschel. Sectionalizing cutting machine. 2,603,262, July 15.

Urscheler, Emil, St. Gallen, assignor to Brutsch & Co., Zurich, Switzerland. Bobbin casing retaining means. 2,594,523, Apr. 29.

Urshan, Samuel A., San Diego, Calif. Pie and cake division indicator. 2,614,328, Oct. 21.

Uschmann, Curt, Lebanon, assignor to Cascades Plywood Corporation, Portland, Oreg. Sulfite liquor treating processes and products. 2,585,977, Feb. 19.

Uschmann, Curt, Lebanon, assignor to Cascades Plywood Corporation, Portland, Oreg. Method of and apparatus for extruding. 2,587,930, Mar. 4.

Usco Power Equipment Corp., assignee: *See*—
Gilliland, William H.

Usewood Corporation, assignee: *See*—
Hene, Emil.

Ushakoff, Alexis E., Beverly, assignor to Secotan, Inc., Cambridge, Mass. Formed shoe uppers and the like. 2,582,298, Jan. 15.

Usher-Walker Limited, assignee: *See*—
Hoffmeister, Hubert G., and Soane.

Usines Chimiques des Laboratoires Francais, assignee: *See*—
Velluz, Léon, Amiard, and Bartos.

Usines Tornos Fabrique de Machines Moutier S. A., assignee: *See*—
Mégel, Guillaume E., and Mancia.

Usry, Woodrow W., Langley, S. C. Holding means for loom bushings. 2,612,911, Oct. 7.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Filament heating transformer having a variable output voltage. 2,598,321, May 27.

Utica Cutlery Company, assignee: *See*—
Allen, Albert E.

Utica Drop Forge & Tool Corporation, assignee: *See*—
Daugherty, Willis V.

Utilities Distributors, Inc., assignee: *See*—
Anderson, Eric M.

Utility Appliance Corp., assignee: *See*—
Abbott, John H.
Lehmann, Valentine C.

Utility Control Company, assignee: *See*—
Schuster, Erich, and Gates.

Utley, Arthur B., assignor of one-half to Bowman & Drussa Plumbing and Heating Co., Springfield, Mo. Valve reseating tool. 2,608,805, Sept. 2.

Utter, Raymond E., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Remote control parking windshield wiper motor. 2,583,348, Jan. 22.

Utterback, Ernest, Upper Darby, W. A. Hagerbaumer, Brookline, Pa., and R. E. Dooley, Rockaway, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Graphic indicator responsive to a plurality of conditions in a continuous processing system. 2,593,224, Apr. 15.

Utterback, Harold V.: *See*—
Stukenborg, Louis C., and Utterback.

Utterström, Sven Ludvig, Boden, Sweden. Rack-knapsack. 2,611,519, Sept. 23.

Uttley, Albert M., Malvern, England. Navigating instrument. 2,618,154, Nov. 18.

Uttz, William A., Forth Worth, Tex. Fisherman's utility toolbox. 2,622,729, Dec. 23.

Utz, Chester C., Southfield Township, Oakland County, assignor to Chrysler Corporation, Highland Park, Mich. Wheel suspension. 2,621,919, Dec. 16.

Utzinger, William F.: *See*—
Allen, Robert E., and Utzinger.

Uxa, Oskar, Vienna, assignor to E. Haas, Muhlbach-Attersee, Austria. Pocket article dispensing container. 2,620,061, Dec. 2.

Uytenbogaart, Johannes W. H., Wassenaar, Netherlands, assignor to A. Rooseboom, Bronxville, N. Y. Automatic hypodermic needle. 2,605,766, Aug. 5.

V. Nes, Robbert, Arnhem, and A. Lelij, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Drying of hollow yarn bodies. 2,582,806, Jan. 15.

Vaaler, John C.: *See*—
Johnston, Jesse, and Vaaler.

Vaca, Humberto, Detroit, Mich. Eyeshield for headgears. 2,619,641, Dec. 2.

Vacha, Fred P., Auburndale, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc. Dynamo-electric machine. 2,598,623, May 27.

Vacha, Fred P., Auburndale, assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Centrifugal spring support type speed responsive device. 2,615,704, Oct. 28.

Václavík, Jaroslav, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Knitting machine jack holder. 2,580,620, Jan. 1.

Václavík, Jaroslav, and O. Bayer, assignors to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Drawing off and discharging the hosiery in flat weft knitting frames and frames designed for carrying out the method. 2,622,422, Dec. 23.

Vacquier, Victor: *See*—
Braddon, Frederick D., Beach, Delanty, and Vacquier.

Vacquier, Victor V., Garden City, and J. N. Adkins, Great Neck, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Directional indicator system. 2,605,341, July 29.

Vacuum Can Company, assignee: *See*—
Becker, Glenn C.

Vacuum Concrete, Inc., assignee: *See*—
Billner, Karl P.

Vacuum Cooling Company, assignee: *See*—
Brunsing, Rex L.

Vaden, James L., and W. H. Collins, Inglewood, assignors to James Warren Co., Los Angeles, Calif. Roller paint applicator. 2,606,334, Aug. 12.

Vadner, Samuel, Cynwyd, Pa. Container. 2,611,528, Sept. 23.

Vadolt Trust, assignee: *See*—
Doelter, Gandolph.

Vagim, Edward J., Fresno, Calif. Feed control for automatic weighers. 2,592,083, Apr. 8.

Vahan, Roxann S., North Hollywood, Calif. Slide fastener operating mechanism. 2,604,242, July 22.

Vahle, Julius, F. E. Goodness, and P. D. Heath, Syracuse, N. Y., assignors to General Electric Company. High-frequency phase angle responsive circuit. 2,588,181, Mar. 4.

Vaida, George J.: *See*—
Vaida, Theodore F. and G. J.

Vaida, Theodore F. and G. J., High Bridge, N. J. Talking machine. 2,619,840, Dec. 2.

Vail, Arthur J.: *See*—
Thompson, George G., and Vail.

Vail, Daniel R., Brookline, and R. A. De Luca, assignors to H. C. Tuttle, Boston, Mass., as trustee. Cell case machine. 2,594,252, Apr. 22.

Vail, Edward P., assignee: *See*—
Vail, Karl V.

Vail, Karl V., assignor of one-fifth to E. P. Vail and one-fifth to R. G. Blanchard, Los Angeles, Calif. Concrete. 2,607,700, Aug. 19.

Vail, Luke P., assignor to F. S. Elam Company, Inc., Rochester, N. Y. Welt shoe having the insole and filler free from the outsole in the fore-part. 2,605,559, Aug. 5.

Vail Manufacturing Company, assignee: *See*—
Demerath, Le R.
Vail, Walter J.

Vail, Walter E.: *See*—
Payne, Willard A., and Vail.

Vail, Walter J., assignor to Vail Manufacturing Company, Chicago, Ill. Machine for stringing hangers and the like. 2,589,899, Mar. 18.

Väisälä, Vilho, Helsinki, Finland. Making balloons. 2,614,293, Oct. 21.

Vaisey, Harold C.: *See*—
Whitehouse, John R., and Vaisey.

Vaisey, Harold C., and W. H. Meeker, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Adjustable tie holder. 2,585,603, Feb. 12.

Vakilian, Randey, New York, N. Y. Cigar and cigarette holder. 2,609,820, Sept. 9.

Valco Manufacturing Co., assignee: *See*—
Kiley, Carrol R.

Valdez, Guillermo S.: *See*—
Aleman, Eugenio D., and Valdez.

Vale, George M., Saint Neots, England. Electrically controlled system and automatic machine for repetition work. 2,592,979, Apr. 15.

Vale, Jalva, Birmingham, Ala., and C. E. Klopfer, Washington, D. C., said Klopfer assignor to said Vale. Typewriter support. 2,593,075, Apr. 15.

Valensi, Georges, Paris, France. Polarization corrector. 2,601,346, June 24.

Valensi, Georges, Paris, France. Color television receiver. 2,606,962, Aug. 12.

Valensi, Georges, Paris, France. High-speed telegraphic system. 2,620,394, Dec. 2.

Valensi, Jacques, Marseille, assignor of one-half to Societe Anonyme des Forges et Chantiers de la Mediterranee, Paris, France. Smoke stack in particular for land vehicles and ships. 2,610,570, Sept. 16.

Valenta, Frank C., Burbank, Calif. Fowl scalding apparatus. 2,594,829, Apr. 29.

Valente, Antonio, Albany, N. Y. Illuminated automobile license plate holder. 2,622,356, Dec. 23.

Valente, John E., assignor to Paper Patents Company, Neenah, Wis. Filter unit. 2,607,495, Aug. 19.

Valente, John E., Neenah, and K. R. Wink, Appleton, assignors to Paper Patents Company, Neenah, Wis. Filter element. 2,607,494, Aug. 19.

Valentin, André, Belfort, France, assignor to General Electric Company. Dynamoelectric machine. 2,611,122, Sept. 16.

Valentin, Marie J. A., Tourcoing, assignor to "Etablissements Francois Masurel Freres," Tourcoing, Nord, France. Treating synthetic yarns. 2,585,518, Feb. 12.

Valentine, Frank A.: *See*—
Scott, Benjamin B., Greene, and Valentine.
Scott, David C., and Valentine.

Valentine, Frank E., Schenectady, N. Y., assignor to General Electric Company. Great circle course computer. 2,610,403 Sept. 16.

Valentine, Kenneth S., assignor to The Patterson Foundry & Machine Co., New York, N. Y. Dispersion apparatus. 2,615,697, Oct. 28.

Valentine, Kenneth S., assignor to The Patterson Foundry & Machine Co., New York, N. Y. Apparatus for dispersing gases in liquids. 2,615,698, Oct. 28.

Valenzuela, Ralph C., Los Angeles, Calif. Sectional plant pot. 2,594,307 Apr. 29.

Valerio, Raymond G.: *See*—
Stein, Gustav A., Vogel, and Valerio.

Valeton, Josué J. P., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for generating saw-tooth oscillations. 2,611,089, Sept. 16.

Valgiusti, Serafino, Milan, Italy, assignor to Montecatini Societa Generale Per L'Industria Mineraria e Chimica Anonima. Multiple blade sawing machine for cutting marble and stones. 2,587,250, Feb. 26.

Valite Corporation, assignee: *See*—
McElhinney, Thomas R., and Woodruff.

Valites, Edward, Muskegon, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Panel mounted light socket. 2,620,375, Dec. 2.

Valiton, Frederick C., South Ashburnham, and W. H. Hobby, Gardner, Mass. Pneumatic furniture assembling press. 2,592,359, Apr. 8.

Valiton, Frederick C., South Ashburnham, and W. H. Hobby, Gardner, Mass. Pneumatic furniture assembling press. 2,592,360, Apr. 8.

Valiulis, Stanley B., assignor to General Cement Mfg. Co., Rockford, Ill. Wire stripper. 2,622,461, Dec. 23.

Valko, Emery I., Mountain Lakes, N. J., assignor to E. F. Drew & Co., Inc., New York, N. Y. Emulsified ice cream composition. 2,606,838, Aug. 12.

Valko, Emery I., Mountain Lakes, N. J., assignor to E. F. Drew & Co., Inc., New York, N. Y. Edible fatty material 2,610,125 Sept. 9.

Valko, Emery I., Mountain Lakes, N. J., assignor to E. F. Drew & Co., Inc., New York, N. Y. Vinyl chloride and vinyl acetate copolymer plasticized with mixed esters of tetrahydrofurfuryl alcohol. 2,610,865, Nov. 4.

Vallen, Matheus M. P.: *See*—
Buskes, Willem M., Sanders, Vallen, and Hutgens.
Van der Grinten, Lodewijk P. F., and Vallen.

Valley Concrete Pipe & Products Company, Inc., assignee: *See*—
Williamson, Gilbert D.

Valley, George E., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse generator. 2,605,404, July 29.

Valley Iron Works Company, assignee: *See*—
Kolb, William K., and Pollock.

Valley Manufacturing Company, assignee: *See*—
McCleneghan, Samuel, Jr.

Valley Products Corporation, assignee: *See*—
Cannon, Ernest E.

Valley Research Corporation, assignee: *See*—
Dalton, Thomas B.

Valley, Russell H.: *See*—
Dawson, Harold, and Valley.

Valley Upholstery Corp., assignee: *See*—
Schladermundt, Peter, and Metzler.

Valmari, Johannes, deceased, by M. Valmari, administrator, Helsinki, Finland. Solution of nutritive salts and making the same. 2,589,900, Mar. 18.

Valmari, Mauri, administrator: *See*—
Valmari, Johannes.

Valtat, Raymond L. A., Bosc-Nouvel, France. Binary network type calculating machine. 2,620,974, Dec. 9.

Valverde, Robert, New York, N. Y. Thermostat with frictional snap action. 2,602,129, July 1.

Vanacker, Jerome, Assche-lez-Brussels, Belgium. Vented mold for the manufacture of footwear. 2,600,942, June 17.

Van Ackeren, Paul M., Owatonna, Minn. Frostproof deep well pump arrangement. 2,604,168, July 22.

Vanadium-Alloys Steel Company, assignee: *See*—
Gill, James P.

Vanadium Corporation of America, assignee: *See*—
Strauss, Jerome, and Edlund.
Woodman, Frank W., and Crowell.

Van Akkeren, Leon A.: *See*—
Vander Wal, Robert J., and Van Akkeren.

Van Alkemade, Willem V.: *See*—
Van Loon, Christiaan, Smit, and van Alkemade.

Van Allan, James A.: *See*—
Allen, Charles F. H., and Van Allan.

Van Alphen, Pieter M.: *See*—
Rinia, Herre, van Alphen, van Weenen, Leblans, and Bouwers.

Van Alphen, Pieter M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for locating picture plates in succession so as to be substantially normal to the light path of lighting apparatus. 2,593,076, Apr. 15.

Van Alstine, Robert L., Philadelphia, Pa. Tire groover having a blade clamping mechanism connected to a heat absorbing block. 2,618,056, Nov. 18.

Van Alstyne, Richard F., Davenport, Iowa. Chimney and means for supporting same. 2,592,084, Apr. 8.

Van Amburg, William F.: *See*—
Rhoads, Albert B., and Van Amburg.

Van Amerongen, Gerrit J., The Hague, assignor to Rubber-Stichting, Delft, Netherlands. Preparation of chlorinated rubber. 2,586,124, Feb. 19.

Van Amersfort, Gerrit J., St. Louis, Mo. Molding machine. 2,595,996, May 6.

Van Antwerp, Lyle S., Washington, D. C. Wheel shield support. 2,609,218, Sept. 2.

Van Antwerpen, Martin, Milwaukee, Wis. Packaging strip. 2,603,349, July 15.

Van Arsdell, John C., Jr., assignor to Erie Resistor Corporation, Erie, Pa. Electric circuit assembly. 2,607,821, Aug. 19.

Van Arsdell, Prudence M.: *See*—
Alther, Joseph G., and Van Arsdell.

Vanasse, Charles E., New York, N. Y. Manually operated fluid applicator. 2,611,914, Sept. 30.

Van Atta, Floyd A., Chicago, Ill., and W. G. Legge, New York, N. Y.; said Legge assignor to said Van Atta. Detachable body grounding device. 2,586,747, Feb. 19.

Van Atta, George R., Sebastopol, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Recovery of values from waste cantaloupe. 2,617,728, Nov. 11.

Van Atta, George R., E. B. Kester, and H. S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilizing rice products. 2,585,078, Feb. 19.

Van Atta, Lester C., Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave guide feed for illuminating parabolic reflectors. 2,605,419, July 29.

Van Atta, Lester C., Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Flared horn wave guide antenna. 2,617,937, Nov. 11.

Van Battum, Carel M., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of lubricating oil. 2,622,112, Dec. 16

Van Bavel, Thomas H., H. Hoog, and P. W. O. Wijga, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of esters of products from oxo synthesis. 2,618,649, Nov. 18.

Van Beckum, William G.: *See*—
Heritage, Clark C., and Van Beckum.

Van Berkel, Bernardus P. J., Zwolle, Netherlands. Apparatus for actuating an alarm circuit. 2,623,172, Dec. 23.

Van Berkel, Wilhelmus A., Clarens Montreaux, Switzerland, assignor to U. S. Slicing Machine Company, Inc. Control device for the recording mechanism of weighing apparatus. 2,604,314, July 22.

Van Beurden, Robert A. J. A., heir: *See*—
Schreiber, Louis J. J.

Van Biarcom, Elsworth C., Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing the continuity of fuses. 2,586,125, Feb. 19.

Van Boytham, Stephan, assignor of ten per cent to A. Caldwell, Hollywood, and twenty per cent jointly to H. and V. Kiehmet, Malibu, Calif. Medicament or cosmetic applicator package. 2,621,784, Dec. 16.

Van Brode Milling Co., Inc., assignee: *See*—
Brody, David.

Van Brunt, Willard K., Odessa, and T. W. Hollis, Notrees, Tex., assignors to Shell Development Company, San Francisco, Calif. Deep well bridge. 2,605,846, Aug. 5.

Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Tensile force resistant buckle assembly. 2,585,900, Feb. 12.

Van Buren, John, Brooklyn, N. Y., assignor to Chisholm-Ryder Company of Pennsylvania, Hanover, Pa. Machine for applying adhesive to carton flaps. 2,603,181, July 15.

Van Buren, Myers, Haworth, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for casting concrete bodies with cavities therein. 2,602,979, July 15.

Van Buren, Tracy H., assignor to Sturgis Posture Chair Company, Sturgis, Mich. Posture chair. 2,599,301, June 3.

Van Buskirk, Edward C.: *See*—
Kulp, Lester C., Van Buskirk, and Hunter.

Van Camp Donut System, Inc., assignee: *See*—
Van Campen, Walter A.

Van Campen, Marcus G., Jr.: *See*—
Tilford, Charles H., and Van Campen.

Van Campen, Walter A., assignor to Van Camp Donut System, Inc., Chicago, Ill. Doughnut cutter. 2,610,590, Sept. 16.

Vance, James B., Birmingham, Ala., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for bottling carbonated beverages. 2,603,399, July 15.

Vance, John E., Canton, assignor to The Hoover Company, North Canton, Ohio. Headlight for suction cleaners. 2,594,524, Apr. 29.

Vance, John E., assignor to The Hoover Company, North Canton, Ohio. Unitary propelling handle and filter assembly for suction cleaners. 2,605,493, Aug. 5.

Vance, John E., assignor to The Hoover Company, North Canton, Ohio. Temperature control dial for electric irons. 2,613,460, Oct. 14.

Vance, John J.: *See*—
Malcolm, Wilbur G., and Vance.

Vance, John S. and W. C., Chicago, Ill. Drapery hanging assembly. 2,607,412, Aug. 19.

Vance, Robert G., Maple Heights, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Tilting control system for roll-clamping industrial lift trucks. 2,603,368, July 15.

Vance, Robert L.: *See*—
Rockwood, George H., Jr., and Vance.

Vance, Victor, assignee: *See*—
Dendy, Talty M.

Vance, Walter C.: *See*—
Vance, John S. and W. C.

Van Cleeff, Robert S., Memphis, Tenn., assignor to The Fashion Curtain Company. Elastic tied back curtain. 2,611,428, Sept. 23.

Van Cleve, Edward, Waynesburg, Pa. Header block for oil well masts 2,606,000, Aug. 5.

Van Clief, William C., Jr., Ridgewood, N. J. Article container and dispensing device. 2,615,774, Oct. 28.

Vancouver Plywood Co., assignee: *See*—
Price, Burton G., and Desler.

Van Cutsem, Albert T.: *See*—
Kline, Paul C., Crook, and Van Cutsem.

Van Dam, Walter L., assignor to Atlas Press Company, Kalamazoo, Mich. Indexing plunger assembly for jig saws or the like. 2,601,877, July 1.

Van Dam, Walter L., assignor to Atlas Press Company, Kalamazoo, Mich. Woodworking machine and mounting and adjusting means for the rotary cylindrical cutter thereof. 2,601,879, July 1.

Van de Erve, Arthur D.: *See*—
Jacob, William A., Jr., and Van de Erve.

Van de Graaff, Robert, J., Belmont, and W. W. Buechner, Arlington, Mass., assignors to Research Corporation, New York, N. Y. Generating an accurately focused beam of charged particles. 2,608,664, Aug. 26.

Vandegrift, Robert M., assignee: *See*—
Phillips, Delbert L.

Vandegrift, Roger D., assignee: *See*—
Phillips, Delbert L.

Van Degrift, Thomas C., assignor to General Motors Corporation, Detroit Mich. Unbalance computer. 2,608,856, Sept. 2.

Van Dellen, Edward: *See*—
Ball, Richard N., and Van Dellen.

Vandenberg, Edwin J., assignor to Hercules Powder Company, Wilmington, Del. Homogeneous polymerization of vinylidene compounds using a hydroperoxide catalyst and a basic nitrogen compound. 2,610,965, Sept. 16.

Van Denberg, Thomas F., Chagrin Falls, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermostatic valve mechanism. 2,604,152, July 22.

Van Denberg, Thomas F., Chagrin Falls, and C. W. Rondurant, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermostatic valve mechanism. 2,588,674, Mar. 11.

Van den Berge, Jan H.: *See*—
Starre, Gerrit and van den Berge.

Van den Bergh, Frans, West Los Angeles, assignor to U. S. Propellers, Inc., Pasadena, Calif. Action for key-operated musical instruments of percussion type. 2,601,185, June 17.

Vanden Bos, Donald, and A. P. Brechting, assignors of one-half to said Vanden Bos and one-half to L. J. Robinson, Grand Rapids, Mich. Stud remover and driver. 2,622,466, Dec. 23.

Van den Bosch, Wiebe, Jenkintown, Pa., assignor to R. Washer, Cedarhurst, N. Y. Gasifier for heavy fuels in internal-combustion engines. 2,617,633, Nov. 11.

Van Denburgh, A. S., assignee: *See*—
Donaldson, Joseph G.

Van Denburgh, Albert S., assignee: *See*—
Morehouse, Eugene M.

Vandenburgh, Charles D.: *See*—
Kulp, Maurice P., and Vandenburgh.

Vandenheuvel, Frantz A., Halifax, Nova Scotia, assignor to Canadian Patents and Development Limited, Ottawa, Ontario, Canada. Treatment of fish livers. 2,588,338, Mar. 11.

Van den Steenhoven, Hillegardus: *See*—
Schrage, Bote, Wijsman, and van den Steenhoven.

Van de Putte, Willem L.: *See*—
Schoenmakers, Pieter J., and van de Putte.

Van Der Auwera, Laurent A.: *See*—
Stevens, René A., Van Der Auwera, and Van Goethem.
Van Dormael, André E., and Van der Auwera.

Vanderberg, Glen C., assignor to Clark Equipment Company, Buchanan, Mich. Axle construction. 2,611,656, Sept. 23.

Vanderbilt, Byron M., Westfield, N. J., assignor to Standard Oil Development Company. Sodium refining of petroleum oils. 2,614,966, Oct. 21.

Vanderbilt, Byron M., Westfield, N. J., and F. Bascom, Staten Island, N. Y., assignors to Standard Oil Development Company. Ketone soluble copolymer of methacrylonitrile and a diolefin. 2,589,166, Mar. 11.

Vanderbilt, Byron M., and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Petroleum oil refining process. 2,614,967, Oct. 21.

Vanderbilt, R. T., Co., Inc., assignee: *See*—
Brooks, Lester A.
Hutchins, Francis E., and Golding.

Vanderbilt, R. T., Co., Incorporated, assignee: *See*—
Somerville, Albert A.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Craig, William L.

Vander Clute Corporation, assignee: *See*—
Vander Clute, William W.

Vander Clute, William W., Elizabeth, N. J., assignor to Vander Clute Corporation. Trap. 2,584,643, Feb. 5.

Van der Clute, William W., Linden, N. J. Bait bob. 2,607,155, Aug. 19.

Vandercook, David D., Evanston, E. O. Vandercook, Kenilworth, and R. L. Pelland, assignors, by mesne assignments, to Vandercook & Sons, Inc., Chicago, Ill. Multicolor proof press. 2,610,581, Sept. 16.

Vandercook, Edward O.: *See*—
Vandercook, David D., E. O., and Pelland.

Vandercook, Juanita J., Portland, Oreg. Girdle. Re. 23,541, Aug. 26.

Vandercook & Sons, Inc., assignee: *See*—
Vandercook, David D., E. O., and Pelland.

Vandergriff, Arvel L., Columbus, Ga., assignor to Lummus Cotton Gin Company. Pneumatic doffing mechanism for cotton gins and the like. 2,588,593, Mar. 11.

Van der Grinten, Lodewijk P. F., assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Exposing apparatus for photographic contact printing. 2,585,519, Feb. 12.

Van der Grinten, Lodewijk P. F., assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Sensitive diazotype sheet for screen reflectography comprising a screen skin. 2,602,740, July 8.

Van der Grinten, Lodewijk P. F., and M. M. P. Vallen, assignors to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Sensitized sheets for screen reflectography. 2,602,741, July 8.

Vander Heyden, Bernard A., Milwaukee, Wis. Vented core and mold assembly for molding machines. 2,587,413, Feb. 26.

Vanderhoofven, Leonard, Delta, Colo. Peach pitting device. 2,618,305, Nov. 18.

Van der Kerk, Gerrit J. M., Utrecht, assignor to Nederlandse Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, and N. V. Chemische Fabriek "Naarden," Naarden, Netherlands. Preparation of gallic acid esters of alcohols having at least 7 carbon atoms. 2,623,897, Dec. 30.

Van der Kolk, Hendrik, assignor to Bureau van Tongeren N. V., Heemstede, Netherlands. Cyclone separator. 2,590,480, Mar. 25.

Van der Lee, Albertus, W. L. L. Vivie and K. R. Hofland, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cutter head of a dry-shaving device. 2,610,395, Sept. 16.

Vanderlip, Edward G., Silver Spring, Md., and E. Daland, Wallingford, Pa., assignors, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Helicopter rotor. 2,611,344, Sept. 23.

Van der Meer, Willem A.: *See*—
Lolkema, Jan, and van der Meer.

Vanderminden, Alfred F., assignor to The Telescope Folding Furniture Co., Inc., Granville, N. Y. Folding chair. 2,618,317, Nov. 18.

Van der Molen, Arie P., Beek, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, handelende voor en namens den Staat der Nederlanden. Liquid distribution device. 2,616,670, Nov. 4.

Van der Pelen, Céline, and L. Freudenberg, Brussels, Belgium. Window construction. 2,614,296, Oct. 21.

Van der Plas, Franciscus J. F.: *See*—
Meyer, Rudolf H. M., and van der Plas.
Van Dijk, Christiaan P., and van der Plas.

Van der Plas, Frederik, Bandoeng, Netherlands. Coin water meter. 2,591,029, Apr. 1.

Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Electric tunnel kiln. 2,582,855, Jan. 15.

Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Automatic molding press. 2,592,768, Apr. 15.

Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Tunnel kiln. 2,618,671, Nov. 18.

Van der Spek, Marinus A., Manhattan Beach, Calif. Container with puncturing drinking tube. 2,617,559, Nov. 11.

Van der Stigchel, Bastiaan J., The Hague, Netherlands. Electric pneumatic driving device for a mechanism having to make a reciprocating movement of limited length at arbitrary moments. 2,588,779, Mar. 11.

Vander Veer, John H., Westfield, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Emergency release mechanism for exit doors. 2,594,253, Apr. 22.

Vander Veer, John H., Westfield, and C. W. Bassett, Portau-Peck, N. J., assignors, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door operation and control. 2,606,022, Aug. 5.

Vandervell Products Limited, assignee: *See*—
Thomas, William F.

Van der Vliet, Jacob: *See*—
Reerink, Engbert H., and Van der Vliet.

Vander Wal, Robert J.: *See*—
Ralston, Anderson W., Vander Wal, and Harwood.

Vander Wal, Robert J., Chicago, and L. A. Van Akkeren, Oak Park, assignors to Armour and Company, Chicago, Ill. Modified lard and producing same. Re. 23,499, May 20.

Van Derwalker, Jacob G., Buffalo, N. Y. Coin actuated switch mechanism. 2,593,813, Apr. 22.

Vander Wall, Clifford C., assignor to Ansul Chemical Company, Marinette, Wis. Antirecoil device for pressure cylinders. 2,621,827, Dec. 16.

Van der Willigen, Paul C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric arc welding. 2,587,251, Feb. 26.

Van der Willigen, Paul C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coated welding rod. 2,623,147, Dec. 23.

Van Der Wilt, Wein, Glendale, Calif. Axle housing brace assembly. 2,602,007, July 1.

Van der Wilt, Wien A., Glendale, Calif. Brake adjuster. 2,587,931, Mar. 4.

Van der Wolf, Rein W.: *See*—
Elenbaas, Willem, Kolkman, and van der Wolf.

Van der Woude, Fritz R., Safford, Ariz., assignor to The General Industries Company, Elyria, Ohio. Constant speed clutch. 2,581,313, Jan. 1.

Van der Woude, Philip J., New York, N. Y. Dental instrument. 2,598,624, May 27.

Vanderzee, Harry H., Chicago, Ill., assignor to Joy Manufacturing Company. Drilling apparatus. 2,594,098, Apr. 22.

Vanderzee, Harry H., assignor to Twin Disc Clutch Company, Racine, Wis. Quick release valve mechanism. 2,592,213, Apr. 8.

Vanderzee, Harry H., Racine, Wis., assignor to Joy Manufacturing Company. Reeling Mechanism. 2,593,367, Apr. 15.

Van der Ziel, Aldert: *See*—
Knol, Kornelis S., and van der Ziel.
Strutt, Maximiliaan J. O., and van der Ziel.

Van De Sampel, Achiel: *See*—
Hedquist, Milton T., Mayhew, Van De Sampel, and Whalen.

Vandeur, Louis: *See*—
Vanharen, Lambert, Rossier, and Vandeur.

Van Deusen, Werter P.: *See*—
Minsk, Louis M., Van Deusen, and Robertson.

Van Deventer, Harry R., New York, N. Y. Method of and apparatus for teaching dancing. 2,605,557, Aug. 5.

Van de Wiel, Alfred, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric circuit. 2,617,085, Nov. 4.

Van Dijk, Christiaan P.: *See*—
Voorthuis, Heino T., and van Dijk.

Van Dijk, Christiaan P., and F. J. F. van der Plas, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Polymerizing olefinically unsaturated compounds. 2,618,626, Nov. 18.

Van Dijk, Pieter: *See*—
Kayser, Guillaume M. A., Meys, and van Dijk.

Van Doorne, Hendrik, Amsterdam, Netherlands. Drafting and measuring ruler. 2,616,181, Nov. 4.

Van Doorne, Hubertus J., Deurne, Netherlands. Refuse vehicle. 2,592,085, Apr. 8.

Van Doorne, Hubertus J., Deurne, Netherlands. Motor vehicle engine mounting. 2,613,754, Oct. 14.

Van Doorne, Hubertus J., Deurne, Netherlands. Self-loading and unloading vehicle. 2,613,827, Oct. 14.

Van Doren, Ruth M., Elmhurst, Ill. Seat cover stretching and securing device. 2,589,901, Mar. 18.

Van Dormael, André E.: *See*—
De Smet, Polydoor F., and Van Dormael.

Van Dormael, André E., Heverlee-Louvain, and L. A. Van der Auwera, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Producing antihalation photographic article. Re. 23,478, Apr. 8.

Van Dormael, André E., Heverlee-Louvain, and L. A. van der Auwera, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Light-sensitive photographic element having a light-absorbing layer. 2,621,125, Dec. 9.

Van Dorn, Horace B., assignor to The Fafnir Bearing Company, New Britain, Conn. Pneumatic gauging device. 2,621,511, Dec. 16.

Van Dorsten, Adrianus C., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arc extinguishing system. 2,619,524, Nov. 25.

Van Dusen, Frederick J., Jackson Heights, N. Y., and T. Cymmer, Jersey City, N. J. Guarded safety pin construction. 2,604,681, July 29.

Van Dusen and Meyer, Incorporated, assignee: *See*—
Meyer, Edwin L.

Van Duser, Clyde E., assignee: *See*—
Hoenecke, Walter J.

Van Duuren, Hendrik C. A., Wassenaar, assignor to Staatsbedrijf Der Posterijen, Telegrafie En Telefonie, The Hague, Netherlands. Code converter. 2,603,705, July 15.

Van Duuren, Hendrik C. A., Wassenaar, assignor to Staatsbedrijf Der Posterijen, Telegrafie en Telefonie, The Hague, Netherlands. Telegraph receiving apparatus. 2,611,824, Sept. 23.

Van Duuren, Hendrik C. A., Wassenaar, assignor to Staatsbedrijf der Posterijen, Telegrafie en Telefonie, The Hague, Netherlands. System for receiving messages transmitted electrically. 2,619,541, Nov. 25.

Van Duuren, Hendrik C. A., Wassenaar, assignor to Staatsbedrijf der Posterijen, Telegrafie en Telefonie, The Hague, Netherlands. Error detector for telegraph printer codes. 2,622,148, Dec. 16.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Weighing apparatus. 2,601,648, June 24.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Scale. 2,622,869, Dec. 23.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Scale. 2,622,938, Dec. 23.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, and J. van Hoorn, Voorburg, Netherlands, assignors to U. S. Slicing Machine Company, Inc., La Porte, Ind. Slicing machine with knife-grinding means. 2,614,373, Oct. 21.

Van Dyck, Kenneth A., and G. J. Koch, assignors to Eastman Kodak Company, Rochester, N. Y. Machine for mounting a flexible film on glass for making lantern slides. 2,611,720, Sept. 23.

Van Dyk, John C., assignor to The Product Developers, Inc., Bernardsville, N. J. Treatment of wines and like materials for their clarification. 2,600,085, June 10.

Van Dyke, Frank G., Detroit, Mich. Light intensifying attachment for electric bulbs. 2,616,030, Oct. 28.

Van Dyke, Henry A., China Lake, Calif. Electric tube vulcanizer. 2,603,835, July 22.

Van Dyke, Orien W., assignor to Magnet Cove Barium Corporation, Houston, Tex. Preventing fluid loss through porous walls. 2,610,149, Sept. 9.

Van Eldik, Pieter F., and H. N. Hansen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising an amplifier, a photoelectric cell and a lead connecting them. 2,586,582, Feb. 19.

Van Endert, Fritz: *See*—
Lindemann, Waldemar, and van Endert.

Van Ess, Paul R.: *See*—
Gasser, Walter, and Van Ess.

Van Ess, Paul R., and H. E. Sipple, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricating compositions containing highly basic metal sulfonates. 2,585,520, Feb. 12.

Van Etten, Howard A., Monroe, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhering polyvinyl chloride coatings to nylon fabric. 2,606,845, Aug. 12.

Van Fowler, Jess, San Diego, Calif. Tiltable panel assembly. 2,584,173, Feb. 5.

Vang, Alfred, New York, N. Y. Jet propulsion means having vibrator therein. 2,601,471, June 24.

Van Gayer, Georgette, Lyon, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Benzilmonohydrazon blowing-agent for preparing porous thermoplastic resins. 2,586,887, Feb. 26.

Vangeen, Abraham I., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron multiplier. 2,581,460, Jan. 8.

Vangeen, Abraham I., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,585,057, Feb. 12.

Van Gelder, Gozewijn: *See*—
Vervest, Wilhelmus L., and Van Gelder.

Van Gelder, Wynand J., Los Angeles, and H. P. Stevens, Bellflower, Calif. Sunshade. 2,589,647, Mar. 18.

Van Gelder, Zeger: *See*—
Van Overbeek, Adrianus J. W. M., van Gelder, and Jonker.

Van Gelder, Zeger, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for switching contact circuits for signaling purposes. 2,617,072, Nov. 4.

Van Gilder, Burrows C., North Wales, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Focusing coil for cathode-ray tubes. 2,594,099, Apr. 22.

Van Goethem, Désiré M. A.: *See*—
Stevens, René A., Van Der Auwera, and Van Goethem.

Vangsnes, Kenneth T., San Marino, Calif. Anode suspension and electrical connection. 2,603,596, July 15.

Van Guilder, Walter, River Forest, assignor to Precision Scientific Co., Chicago, Ill. Constant temperature cabinet. 2,583,906, Jan. 29.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Butter gun. 2,603,867, July 22.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Governor switch mechanism. 2,610,269, Sept. 9.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Food mixer. 2,616,673, Nov. 4.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Beater attachment. 2,621,906, Dec. 16.

Van Haaften, Egbert: *See*—
Hawks, Douglass, Jr., and Van Haaften.

Van Haaften, Egbert, Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Shock absorbing watch bearing. 2,596,449, May 13.

Van Ham, Ernest E., assignor to Jerguson Gage & Valve Company, Somerville, Mass. Liquid level gauge. 2,611,271, Sept. 23.

Van Handel, Ambrose B., North Hollywood, Calif. Powder dispensing brush. 2,620,810, Dec. 9.

Vanharen, Lambert, Ixelles-Brussels, assignor to Solvay & Cie, Brussels, Belgium. Manufacturing chlorinated hydrocarbons. 2,610,215, Sept. 9.

Vanbaren, Lambert, Ixelles-Brussels, M. Rossier, Uccle-Brussels, and L. Vandeur, Watermael-Brussels, assignors to Solvay & Cie, Ixelles-Brussels, Belgium. Electrolytic preparation of alkali metal chlorites. 2,584,824, Feb. 5.

Van Heeckeren, Willem, Dobbs Ferry, G. W. Meadows, Irvington-on-Hudson, and B. A. Jacobson, Dobbs Ferry, assignors to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Lubricating means for reciprocatory member in a high-pressure chamber and blowoff means therefor. 2,616,522, Nov. 4.

Van Heeckeren, Willem J.: *See*—
Rinia, Herre, de Brey, and van Heeckeren.

Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot-gas motor with means for controlling the heat supply therefor. 2,583,311, Jan. 22.

Van Heeckeren, Willem J., and H. Rinia, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Method and apparatus for temporarily increasing the power of hot-gas engines. 2,596,057, May 6.

Van Heeckeren, Willem J., G. J. H. Vermeer, and J. L. Baartman, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Generator for producing a combustible oil gas. 2,607,671, Aug. 19.

Van Heyningen, Earle M., assignor to Eli Lilly and Company, Indianapolis, Ind. Spirobarbituric acids. 2,621,183, Dec. 9.

Van Hofweegen, Johannes M., and M. J. O. Strutt, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Impedance transformer. 2,584,068, Jan. 29.

Van Hofweegen, Johannes M., and K. S. Knol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Adjustable impedance transformer. 2,591,980, Apr. 8.

Van Hook, John O.: *See*—
Croxall, Willard J., and Van Hook

Van Hook, John O., Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Conversion of acyloxymethylene-4-pentenoates to ether esters. 2,582,212, Jan. 8.

Van Hook, John O., Roslyn, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Tertiary aminomethylbenzenes. 2,613,208, Oct. 7.

Van Hoorn, Jetze: *See*—
Van Duyn, Adrianus, and van Hoorn.

Van Horn, Dorothea E.: *See*—
Van Horn, George E. and D. E.

Van Horn, George E. and D. E., Casa Grande, Ariz. Hypodermic projectile. 2,617,359, Nov. 11.

Van Horn, Perry E., Grand Rapids, Mich. Trailer hitch. 2,614,861, Oct. 21.

Van Horne, William L.: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Bauer, La Verne N., Van Horne, and Neher.
Neher, Harry T., Bauer, and Van Horne.
Neher, Harry T., Van Horne, and Bauer.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of methacrylates and allyl esters. 2,600,446, June 17.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of allyl esters and maleates. 2,600,447, June 17.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers from allyl esters and acrylic esters. 2,600,448, June 17.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Maleic acrylic copolymers. 2,600,449, June 17.

Van Horne, William L., Philadelphia, H. T. Neher, Bristol, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of acrylic and vinyl esters. 2,600,450, June 12.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of methacrylic and vinyl esters. 2,600,451, June 17.

Van Houtte, Ghislain and A. Demeuse, Brussels, Belgium. Guide for indicating the fecundity rhythm in women. 2,612,317, Sept. 30.

Van Huis, Hendrik G.: *See*—
De Jong, Petrus W. M. M., van Huis and Ridderikhoff.

Van Hyning, Betty A., Akron, Ohio. Combined shutoff clamp and nozzle holder. 2,603,237, July 15.

Vanl, Eugene J., Benwood, W. Va. Butter spreader. 2,589,000, Mar. 11.

Vanish, James G., Chicago, Ill. Hammer holster. 2,618,419, Nov. 18.

Vanity Fair Mills, Inc., assignee: *See*—
Bellini, Eugene.

Vankrimpen, Bernard E., Lorain, Ohio, assignor to United States Steel Company. Pallet for supporting materials. 2,597,411, May 20.

Van Lake, Carmen J., Waukegan, Ill., assignor to United States Steel Company. Flat wire conveyer belt. 2,619,306, Nov. 25.

Vanlelrsberghe, Leonard, Maywood, Ill. Portable lever actuated tire removing tool. 2,592,769, Apr. 15.

Van Leuven, Karl, Jr., Hollywood, assignor to Ina Yoakum, Los Angeles, Calif. Brassière connecting element. 2,608,689, Sept. 2.

Van Loghem, Johannes J., Amsterdam, Netherlands. Serving dish. 2,620,089, Dec. 2.

Van Loon, Carel J., C. de Koning, and M. de Vroome, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetic recording device. 2,596,621, May 13.

Van Loon, Christiaan, Dubbeldam, E. Smit, Dordrecht, Netherlands, and W. V. van Alkemade, Richmond, England, assignors to Lever Brothers Company, Cambridge, Mass. Treating fatty material. 2,588,435, Mar. 11.

Van Loon, Willem, Sittard, assignor to De Directie van de Staatsmijnen in Limburg, handelend voor en namens den Staat der Nederlanden, Heerlen, Netherlands. Gas-solid contact reactor. 2,613,138, Oct. 7.

Van Melsen, Johannes A., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Anticorrosive metal article and making same. 2,623,835, Dec. 30.

Van Meter, Clarence T., Arlington, assignor to Reed & Carnrick, Jersey City, N. J. Androgenic composition. 2,600,344, June 10.

Van Meter, John M., Los Angeles, Calif. Animal leash. 2,593,940, Apr. 22.

Van Meurs, Hubertus A.: *See*—
Dorgelo, Eduard G., Krol, and van Meurs.

Van Meurs, Johan F., and A. Venema, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Switch. 2,611,062, Sept. 16.

Van Mierlo, Stanislas, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Electronic switching device. 2,618,753, Nov. 18.

Vannérus, Torbjörn, Motala Verkstad, Sweden. Recuperative heat exchanger of the counterflow type for gaseous media. 2,596,622, May 13.

Van Nes, Nicolas J., Eldersley, Saskatchewan, Canada. Handling freight. 2,606,508, Aug. 12.

Van Nest, Francis H., and L. B. Wales, Marblehead, Mass., assignors to General Electric Company. Valve gear for steam turbines and the like. 2,613,542, Oct. 14.

Vannice, Marvin W., North Hollywood, Calif. Toothbrush with removable head. 2,622,260, Dec. 23.

Van Nimwegen, Garret: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.

Vannini, Philipp, assignor to Landis & Gyr A. G., Zug, Switzerland. Arrangement for setting a clock system with master clock. 2,595,431, May 6.

Van Norman Company, assignee: *See*—
Pyne, Roger S.
Van Nort, Catherine H., executrix: *See*—
Van Nort, William W. K.
Van Nort, William W. K., deceased, Cabin John, Md.; C. H. Van Nort, executrix. Weed guard for outboard motors. 2,597,551, May 20.
Van Nouhuys, Herman L., Breda, Netherlands, assignor to American Enka Corporation, Enka, N. C. Revivifying spent activated carbon by a process employing a double sodium bicarbonate wash. 2,589,750, Mar. 18.
Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of carbon dioxide. 2,585,288, Feb. 12.
Van Oosterom, Teunis, assignor to het Nationaal Luchtvaartlaboratorium, Amsterdam, Netherlands. Flowmeter. 2,623,389, Dec. 30.
Van Order, Robert B., Berkeley Heights, N. J., assignor to American Cyanamid Company, New York, N. Y. Simultaneous blueing and dustproofing of solid carbonlferous fuels. 2,621,115, Dec. 9.
Van Osselen, Willem, Huis ter Heide (Utrecht), assignor to Gispen's Fabriek voor Metaalbewerking N. V., Rotterdam, Netherlands. Tilting chair. 2,619,153, Nov. 25.
Van Overbeek, Adrianus J. W. M.: *See*—
Jonker, Johan L. H., and van Overbeek.
Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron-discharge tube. 2,600,142, June 10.
Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing detector circuit arrangement. 2,617,022, Nov. 4.
Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising means for producing and deflecting an electron beam. 2,617,075, Nov. 4.
Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Electric discharge tube. 2,617,078, Nov. 4.
Van Overbeek, Adrianus J. W. M., Z. van Gelder and J. L. H. Jonker, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement, including a cathode-ray tube comprising cathode-ray beam deflecting means. 2,591,981, Apr. 8.
Van Overbeek, Johannes: *See*—
Blondeau, René, van Overbeek, and Whetstone.
Van Pappelendam, Carl A., Monrovia, Calif. Compass and the like. 2,588,780, Mar. 11.
Van Pel, Dorus, assignee: *See*—
Bottemanne, Casper J.
Van Pelt, Isaac E., assignee: *See*—
Moore, Joseph L.
Van Pelt, Percy E., Oakdale, Calif. Filler neck and air vent unit for water tanks. 2,613,013, Oct. 7.
Van Praag, Dina: *See*—
Whitacre, Francis M., and Van Praag.
Van Raalte Co., Inc., assignee: *See*—
Guild, Archibald T.
Van Ranst, Cornelius W., Dearborn, Mich., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Garbage grinder. 2,588,182, Mar. 4.
Van Riper, Abram H., Oley, Pa., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Thermostatic switch. 2,587,551, Feb. 26.
Van Rooy, Johannes M., assignor of one-quarter to H. Boer and one-quarter to A. J. Oosterveen, The Hague, Netherlands. Testing fluid ducts. 2,612,037, Sept. 30.
Van Ryan, Anthony, South Milwaukee, Wis., assignor to McGraw Electric Company. Circuit breaker. 2,585,879, Feb. 12.
Van Ryan, Anthony, South Milwaukee, assignor to McGraw Electric Company, Milwaukee, Wis. Automatic reclosing circuit breaker. 2,620,382, Dec. 2.
Van Ryan, Anthony, South Milwaukee, and W. R. Harry, Milwaukee, Wis., assignors to McGraw Electric Company. Polyphase circuit interrupter. 2,593,225, Apr. 15.
Van Ryzin, Joseph P., assignor to Appleton Wood Products Co., Appleton, Wis. Suction box cover. 2,618,206, Nov. 18.
Vansant, John M., Topeka, Kans. Apparatus for breaking eggs and salvaging liquid egg material. 2,581,054, Jan. 1.
Van Schie, Robert J., Grand Rapids, Mich. Machine for feeding sheets from the top of a stack of stiff sheets. 2,593,814, Apr. 22.
Van Schie, Robert J., Grand Rapids, Mich. Sheet feeding device. 2,601,072, June 17.
Van Schie, Robert J., Grand Rapids, Mich. Machine for feeding metal sheets from the top of stacks. 2,621,806, Dec. 16.
Van Sciver, Earl T., Glenside, assignor to Bachman Bros., Inc., Philadelphia, Pa. Reversing toy trolley car. 2,593,941, Apr. 22.
Van Sciver, Earl T., Glenside, Pa., W. J. Van Sciver, Palo Alto, Calif., and E. P. Van Sciver, assignors to Ocean City Mfg. Co., Philadelphia, Pa. Automatic fly reel. 2,609,160, Sept. 2.
Van Sciver, Edwin P.: *See*—
Van Sciver, Earl T., W. J., and E. P.
Van Sciver, Wesley J.: *See*—
Van Sciver, Earl T., W. J., and E. P.
Van Sickle, Elmer, Rocky River, Ohio. Valve mechanism. 2,609,207, Sept. 2.
Van Slooten, Jacob, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio-frequency oscillator power supply system. 2,596,623, May 13.
Van Slooten, Jacob, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for limiting the amplitude of an electrical oscillation. 2,616,968, Nov. 4.
Van Strien, Richard E.: *See*—
Dinerstein, Robert A., and Van Strien.
Van Sweringen, Raymond A., Jr.: *See*—
Morris, Kenneth G., and Van Sweringen.
Vanta Company Inc., The, assignee: *See*—
Shea, Dennis E.
Wyner, Justin L.
Van Tol, Martinus: *See*—
Kiels, Derk, and van Tol.
Vanton Pump Corporation, assignee: *See*—
Huber, Charles F.
MacCormack, John G.
Van Toorn, Cornelis H., assignor to N. V. Koninklijke Metaalwarenfabrieken v. h. J. N. Daalderop & Zonen, Tiel, Netherlands. Temperature-relay. 2,622,170, Dec. 16.
Van 't Spijker, Peter: *See*—
Engel, Willem F., and van't Spijker.
Van 't Spijker, Peter, The Hague, and M. 't Hart, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Synthesis of carbinols. 2,581,988, Jan. 8.
Van Tuyl, Thomas, and F. Ackermann, Chicago, Ill., assignors, by mesne assignments, to W. R. Donaldson, Northport, N. Y. Sewing machine. 2,590,907, Apr. 1.
Van Valkenburgh, Edward A., Greene, N. Y. Detackifying and cure activation compositions. 2,600,943, June 17.
Van Valkenburg, Hermon L., Wauwatosa, and K. G. Sedgwick, Shorewood, Wis., assignors to Square D Company, Detroit, Mich. Electric switch. 2,589,167, Mar. 11.
Van Valkenburg, Howard E., Schenectady, N. Y., assignor to General Electric Company. Induced voltage flaw detector. 2,617,854, Nov. 11.
Van Valkenburg, Howard E., and M. S. Wasserman, Schenectady, N. Y., assignors to General Electric Company. Ultrasonic materials testing. 2,587,414, Feb. 26.
Van Valkenburgh, Merritt, Upper Nyack, N. Y., and L. J. Laviana, Kensington, assignors to M. H. Rhodes Incorporated, Hartford, Conn. Timing device. 2,583,245, Jan. 22.
Van Veen, Anton, Canton Center, Conn. Feeder for envelope stuffing machines. 2,590,222, Mar. 25.
Van Veersen, Gerardus J., The Hague, Netherlands, assignor to Rubber-Stichting, Delft, South Holland, Netherlands. Preparation of hydrohalogenated rubber. 2,596,878, May 13.
Vanvick, Isak, Minneapolis, Minn. Snowplow. 2,587,415, Feb. 26.
Vanvick, Isak, Minneapolis, Minn. Rotary snowplow. 2,610,414, Sept. 16.
Van Vleet, James G.: *See*—
Patch, George W., Jr., and Van Vleet.
Van Vliet, Paul D., assignor to Liquid Carbonic Corporation, Chicago, Ill. Hinge system for refrigerated cabinets. 2,607,411, Aug. 19.
Van Vliet, Paul D., assignor to Liquid Carbonic Corporation, Chicago, Ill. Throttling valve for refrigeration. 2,618,290, Nov. 18.
Van Vliet, Robert E., and C. A. Lesoine, Marshalls Creek, Pa. Pistol type flashlight having separable casing parts and trigger operated switch. 2,593,942, Apr. 22.
Van Voorhees, Joan H., assignee: *See*—
Herod, Ray H.
Van Voorhis, Stanley N., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of Navy. Indicator. 2,594,870, Apr. 29.
Van Voorhis, Stanley N., Rochester, N. Y., and J. S. Kirby-Smith, Cambridge, Mass., and J. B. H. Kuper, Redding, Conn., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High-frequency radio beacon signaling. 2,605,394, July 29.
Van Wagener, Raymond H., Stamford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine and attachment therefor. 2,623,485, Dec. 30.
Van Wageningen, Johan H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiving circuit. 2,596,624, May 13.
Van Wageningen, Johan H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electronic tuning indicator for radio receivers. 2,606,290, Aug. 5.
Van Wagner, Rollo E., New Haven, Ohio. Mower. 2,589,751, Mar. 18.

Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit arrangement. 2,582,726, Jan. 15.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver for very short waves. 2,591,982, Apr. 8.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit arrangement. 2,591,983, Apr. 8.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver for short waves. 2,595,997, May 6.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne radio-receiving set. 2,601,472, June 24.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit arrangement. 2,606,283, Aug. 5.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing circuit arrangement. 2,606,284, Aug. 5.
Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Push-pull mixing circuit arrangement. 2,609,495, Sept. 2.
Van Weenen, Franciscus L.: *See*—
De Brey, Heinrich, and van Weenen.
Rinia, Here, van Alphen, van Weenen, Leblans, and Bouwers.
Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Crankshaft arrangement in a multicylinder V-type piston machine. 2,590,662, Mar. 25.
Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas engine with displacer cap safety venting means. 2,596,058, May 6.
Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multicylinder hot gas reciprocating piston engine of the double-acting type. 2,611,236, Sept. 23.
Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Regulating device for varying the amount of working medium in hot-gas engines. 2,616,243, Nov. 4.
Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Double-acting hot gas engine having at least three closed thermodynamic cycles. 2,616,245, Nov. 4.
Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn, as trustee. Hot-gas reciprocating engine. 2,616,246, Nov. 4.
Van Weenen, Franciscus L., and H. de Brey, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Forming wire filling for regenerator. 2,587,252, Feb. 26.
Van Weenen, Franciscus L., G. W. Rathenau, and A. Koelewijn, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Regenerator. 2,616,668, Nov. 4.
Van Werd, Johannes H. F., and C. H. J. Anderson, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric lamp holder for elongated tubular lamps having parallel contact pins. 2,616,943, Nov. 4.
Van Wert, William B., Peckville, Pa. Vertical flue boiler with internal heater. 2,592,980, Apr. 15.
Van Westen, Hendrik A.: *See*—
Kool, Cornelis M. H., van Westen, and Hartstra.
Lolkema, Jan, and van Westen.
Van Weynsbergen, Charles L., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Supervisory device both for comparatively small and comparatively large voltage variations. 2,601,473, June 24.
Van Winkle, Delbert: *See*—
Zener, Clarence M., and Van Winkle.
Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Brailsford, Joseph D., and Vass.
Morris, Rupert C., and Van Winkle.
Van Wirt, Alfred E., and G. F. Jones, assignors to Imperial Paper and Color Corporation, Glens Falls, N. Y. Pigment coloring. 2,586,188, Feb. 19.
Van Wye, Hermon F.: *See*—
Hay, Randall G., and Van Wye.
Van Yzeren, Ewoud A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Compensating means for variable inductances having magnetic cores. 2,598,467, May 27.
Van Zandt, Vern R.: *See*—
Simmons, Oscar N., and Van Zandt.
Van Zelst, Johannes J. Z., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Bridge-type transducer circuit with oscillator. 2,601,474, June 24.
Van Zelst, Johannes J. Z., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube amplifier for signal voltages. 2,623,954, Dec. 30.
Van Zelst, Johannes J. Z., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for amplifying electrical oscillations with a constant amplification factor. 2,623,955, Dec. 30.
Van Zelst, Johannes J. Z., and J. M. Cluwen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, as trustee. Receiver circuit arrangement. 2,622,191, Dec. 16.
Vapor Heating Corporation, assignee: *See*—
Clarkson, Alick.
Gillick, Laurance H., Lehane, and Kirkby.
Lehane, Timothy J.
Lehane, Timothy J., and Gardner.
Lehane, Timothy J., and Johnson.
Russell, Edward A., Lehane, and Pidgeon.
Smith, William M.
Smith, William M., and Brosseau.
Smith, William M., Freeburg, and Tharp.
Vapor Recovery Systems Company The, assignee: *See*—
Long, Frank V., Lee, Levi, and Keane.
Vaquette, Odette, Paris, France. Table for the elongation of the vertebral column. 2,623,518, Dec. 30.
Varco, Charles B., La Crosse, Wis. Mechanical speed planter. 2,613,850, Oct. 14.
Varcoe, Maurice, assignor to Cornwall Mills Limited, Par Harbour, England. Apparatus for classifying granular substances. 2,611,486, Sept. 23.
Varela, Arthur A., Washington, D. C. Echo ranging and identification system. 2,586,888, Feb. 26.
Varela, Arthur A., Washington, D. C. Impulse group keying system. 2,593,504, Apr. 22.
Varela, Arthur A., and R. A. Herring, Jr., Washington, D. C. Duplexing device for transceiver antenna systems. 2,611,079, Sept. 16.
Varela, Arthur A., and R. A. Herring, Jr., Washington, D. C. Time-delay circuit. 2,621,306, Dec. 9.
Varga, André, Ilkley, England, assignor to Carding Specialists (Canada) Limited, Toronto, Ontario, Canada. Carding machinery. 2,619,682, Dec. 2.
Varian, Russell H.: *See*—
Ginzton, Edward L., Hansen, and Varian.
Hansen, William W., and Varian.
Hansen, William W., and R. H. and S. F. Varian.
Varian, Sigurd F. and R. H.
Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Convection inclinometer. 2,620,571, Dec. 9.
Varian, Russell H., Stanford Village, assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Electrical translating system and method. Re. 23,479, Apr. 8.
Varian, Russell H., Stanford Village, Calif., assignor to The Sperry Corporation. High-power high-frequency electron discharge apparatus. Re. 23,534, Aug. 5.
Varian, Sigurd F.: *See*—
Hansen, William W., and R. H. and S. F. Varian.
Varian, Sigurd F., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency tube structure. 2,604,605, July 22.
Varian, Sigurd F., Garden City, N. Y., assignor to The Sperry Corporation. Uniting parts by electrodeposition. 2,608,529, Aug. 26.
Varian, Sigurd F. and R. H., Garden City, N. Y., assignors to The Sperry Corporation. Making a grid structure. 2,619,438, Nov. 25.
Varis, Peter, Long Beach, Calif. Electric fan with heating attachment. 2,614,201, Oct. 14.
Varker, Thomas L., Dallas, Pa. Collapsible garment hanger. 2,595,026, Apr. 29.
Varley, Roy M., Dallas, Tex. Gas-burning torch. 2,600,709, June 17.
Varma, Jyoti P.: *See*—
Siddiqui, Sallmuzzaman, Sarin, and Varma.
Varnado, Willard W., Wiggins, Miss. Ice-cream freezer support. 2,592,495, Apr. 8.
Varner, Alvie E., assignor to Masonite Corporation, Laurel, Miss. Bending process. 2,581,222, Jan. 1.
Varney, Fred M., Washington, D. C., and J. A. Varney, Los Angeles, Calif. Stemless coffee maker. 2,621,581, Dec. 16.
Varney, Fred M., Westbury, N. Y., and J. A. Varney, Los Angeles, Calif. Stemless vacuum coffee maker. 2,621,582, Dec. 16.
Varney, Justin A.: *See*—
Varney, Fred M. and J. A.
Varo Mfg Co., Inc., assignee: *See*—
Holt, William J., Jr.
Vars, Ethan W., Bellefonte, Pa. Spray-type dish-washing machine having a circulating pump and plural rotatable strainer means selectively cooperable therewith. 2,586,398, Feb. 19.

Varwig, Frederick W.: *See*—
Spiller, William R., and Varwig.

Vasey, Charles H.: *See*—
Stacey, Gilbert J., Thompson, Vasey, and Curd.

Vasey, Charles H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of quaternary salts of pyrimidylamino quinolines. 2,585,979, Feb. 19.

Vasey, William G., New Westminster, British Columbia, Canada. Ash tray. 2,582,611, Jan. 15.

Vass, Eric B.: *See*—
Morris, Rupert C., and Van Winkle.

Vassar, Thomas E., Clarks Summit, assignor to Eureka Specialty Printing Company, Scranton, Pa. Patch reinforcement. 2,589,168, Mar. 11.

Vassaux, Thomas F., Cleveland, Ohio. Making lighter plungers. 2,603,855, July 22.

Vassel, Bruno, Toledo, Ohio, assignor to International Minerals & Chemical Corporation. Extracting vegetable protein. 2,607,767, Aug. 19.

Vassel, Bruno, and W. D. Janssens, Toledo, Ohio, assignors to International Minerals & Chemical Corporation. Production of guanidino fatty acids. 2,620,354, Dec. 2.

Vasta, John, Washington, D. C. Ship construction. 2,585,980, Feb. 19.

Vastano, Frederick A., Glen Rock, assignor of one-half to A. W. Vibber, Ridgewood, N. J. Container closure. 2,600,086, June 10.

Vaterrodt, Peter, Rutherford, and J. McNellis, Fairlawn, assignors to Botany Mills, Inc., Passaic, N. J. Production of cholesterol. 2,598,468, May 27.

Vaughan, Charles L. P., assignor to Hercules Powder Company, Wilmington, Del. Amphoteric cellulose derivatives. 2,591,748, Apr. 8.

Vaughan, Charles L. P., assignor to Hercules Powder Company, Wilmington, Del. Preparation of carboxyethyl cellulose. 2,618,633, Nov. 18.

Vaughan, Charles L. P., assignor to Hercules Powder Company, Wilmington, Del. Preparation of cellulose derivative. 2,618,634, Nov. 18.

Vaughan, Charles L. P., assignor to Hercules Powder Company, Wilmington, Del. Mixed cellulose ether. 2,618,635, Nov. 18.

Vaughan, Charles L. P., assignor to Hercules Powder Company, Wilmington, Del. Preparation of acid-soluble cellulose derivatives. 2,623,042, Dec. 23.

Vaughan, Clarence J., Kansas City, Kans. Window check rail painter. 2,581,563, Jan. 8.

Vaughan Crane Company Limited, The, assignee: *See*—
Sadler, Gilbert V.

Vaughan, Francis E., Pasadena, Calif. Drafting machine. 2,612,694, Oct. 7.

Vaughan, Henry E.: *See*—
Malthaner, William A., Newby, and Vaughan.

Vaughan, Henry E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse position call or dial receiver. 2,603,715, July 15.

Vaughan, James L., Morrisville, Pa., and D. R. Merrill, Moorestown, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Separating acrylic acid esters, alcohols, and nickel chloride from mixtures thereof. 2,582,299, Jan. 15.

Vaughan, James R., Jr., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing amides. 2,617,795, Nov. 11.

Vaughan, James R., Jr., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Amide synthesis. 2,617,796, Nov. 11.

Vaughan, Joseph A., and J. C. Vinson, assignors to Southern Wood Preserving Company, Atlanta, Ga. Apparatus for partially dehydrating and cleansing oily wood preservatives. 2,603,588, July 15.

Vaughan Mfg. Co., assignee: *See*—
Dreier, Ray C.

Vaughan, Melvin F., Akron, assignor to Wright Tool and Forge Company, Barberton, Ohio. Making wrench sockets. 2,623,418, Dec. 30.

Vaughan, Paul S., Schenectady, assignor to American Locomotive Company, New York, N. Y. Cylinder head. 2,614,549, Oct. 21.

Vaughan, Victor G., and A. G. Schaefer, Attleboro, and G. G. Wood, Norton, assignors to Metals & Controls Corporation, Attleboro, Mass. Thermostat with microscopic mat finish. 2,585,704, Feb. 12.

Vaughan, William C., assignee: *See*—
Gardner, Harve E., Jr.

Vaughan, William E.: *See*—
Rust, Frederick F., Stiles, and Vaughan.

Vaughan-Jones, Ian N.: *See*—
Yates, John T., and Vaughan-Jones.

Vaughn, Albert E., Orange, N. J. Hair curler with rotatably adjustable barrel. 2,610,639, Sept. 16.

Vaughn, Chester D., Woodward, Okla. Hair curler. 2,613,679, Oct. 14.

Vaughn, Forrest H.: *See*—
Hastings, Orville L., and Vaughn.

Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Tile-laying attachment. 2,602,410, July 8.

Vaughn, Kenneth J., Middletown, Va. Hydraulic disk brake. 2,611,453, Sept. 23.

Vaughn Machinery Company, The, assignee: *See*—
McIlvried, Edwin J.
Nye, Norman H.
Rogers, Walter E., and Nye.

Vaughn, Ralph A.: *See*—
Fowler, Jefferson D., and Vaughn.

Vaughn, Remsen S., and F. R. Bean, assignors to Eastman Kodak Company, Rochester, N. Y. N-substituted ethylene thioureas. 2,596,742, May 13.

Vaughn, Remsen S., and F. R. Bean, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing N-substituted derivatives of aminophenols. 2,618,657, Nov. 18.

Vaughn, Samuel C., Berkeley, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Compounded lubricating oil. 2,605,226, July 29.

Vaughn, Sidney P., San Diego, Calif. Cellulose sponge yarn. 2,600,143, June 10.

Vaughn, Sidney P., San Diego, Calif. Packaging hygroscopic sponges. 2,613,487, Oct. 14.

Vaughn, Sidney P., San Diego, Calif. Packaging hygroscopic sponges. 2,613,862, Oct. 14.

Vaughn, Stanley I., and A. W. Tucker, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Drop stretch forming. 2,613,718, Oct. 14.

Vaughn, Thomas H.: *See*—
Bacon, Leslie R., Smith, and Vaughn.

Vaughn, W. F., assignee: *See*—
Scruggs, John D.

Vaught, Edley J., Jr.: *See*—
Stolz, Frederick A., and Vaught.

Vaurillon, Emile, Geneva, Switzerland. Watertight watchcase. 2,589,902, Mar. 18.

Vaurio, Viljo W.: *See*—
Donelson, John G., and Vaurio.

Vause, Arthur S., Rugby, England, assignor to General Electric Company. Electrode for electric discharge devices. 2,619,706, Dec. 2.

Vawter, Wilber W.: *See*—
Schanke, Leo J., and Vawter.

Vawter, Wilber W., Indianapolis, assignor, by mesne assignments, to U. S. Machine Corporation, Lebanon, Ind. Tail gate lift for trucks and the like. 2,581,333, Jan. 1.

Vaydo, George, Princeton, British Columbia, Canada. Safety dog for elevators and mine cages. 2,583,907, Jan. 29.

Vazleux, Charles E. R., Saint-Mande, and L. H. Prouteau, Bagnolet, assignors to Societe Commergnat-Guilliet et Cie, Paris, France. Comminuting apparatus. 2,620,138, Dec. 2.

Veale, Charles C., Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating conductors. 2,589,169, Mar. 11.

Veatch, Dale S., San Francisco, Calif. Hosiery protecting insert for shoes. 2,584,516, Feb. 5.

Veatch, Franklin, and J. G. Partch, assignors to The Standard Oil Company, Cleveland, Ohio. Cutting oil concentrate and making same. 2,592,624, Apr. 15.

Veatch, Joseph G.: *See*—
Bush, Wilkie L., and Veatch.

Veaux, Henri M., Saint-Leu-la-Foret, France. Telephone radio link termination. 2,585,058, Feb. 12.

Veaux, Henri M., Saint-leu-la-Foret, France. Delay line distributing arrangement. 2,619,636, Nov. 25.

Vecchio, Luigi, Syracuse, N. Y. Apparatus for eliminating toxic gases from exhaust fumes. 2,612,745, Oct. 7.

Vecchiotti, Ado, Ascoli Piceno, Italy. Shotgun cartridge. 2,617,358, Nov. 11.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector. 2,587,416, Feb. 26.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Radial flow wet dust collector. 2,587,417, Feb. 26.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector. 2,603,351, July 15.

Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector. 2,612,236, Sept. 30.

Vedensky, Dmitri N., Berkeley, Calif., assignor to Pacific Bridge Company. Obtaining chromic oxide from a chromate ore. 2,587,552, Feb. 26.

Vedovelli, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,615,739, Oct. 28.

Veed Corp., assignee: *See*—
Hvid, Rasmus M.

Veeder, Harry, Great Neck, N. Y. Ribbon or the like. 2,599,674, June 10.

Veeder-Root Incorporated, assignee: *See*—
Bliss, Harvey N.
Hoye, James E.
Vroom, Harold B.

Veerman, Arthur H., Joliet, Ill. Nose disguise. 2,585,880, Feb. 12.

Veevers, John F., Lymm, and H. C. Turner, Hale, assignors to The General Electric Company, Limited, London, England. Reading adjustment for an indicating instrument in hermetically sealed cases. 2,587,668, Mar. 4.

Veilleux, Lewis J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Locking device for foot presses. 2,589,752, Mar. 18.

Veit, Gertrud, executrix: *See*—
Veit, Julius.

Veit, Hermann E., Baltimore, Md., assignor to The Black & Decker Mfg. Co. Mounting head for abrasive disks. 2,620,604, Dec. 9.

Veit, Julius, deceased, Hounslow West, England, G. Veit, executrix, assignor to Duratube & Wire Limited, Feltham, England. Apparatus for the manufacture of patterned thermoplastic strip material. 2,581,614, Jan. 8.

Velcher, Virginia G., Reno, Nev. Colostomy apron. 2,584,249, Feb. 5.

Veldhuyzen, Eduard J. J., Amsterdam, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for varying the quantity of working medium in hot-gas reciprocating engines. 2,616,244, Nov. 4.

Veler, Louis G.: *See*—
Kellett, William R., and Veler.

Velghe, Alphonse, Courtrai, Belgium, assignor to D. Richards and E. Thompson, Ridgewood, N. J. Machine for reading-in and punching Jacquard cards. 2,599,213, June 3.

Velick, Joseph, assignee: *See*—
Okun, Jack.

Vellá, Ruby S., Los Angeles, Calif. Chair convertible into a table and vice versa. 2,595,179, Apr. 29.

Velluz, Leon, and G. Muller, assignors to Les Laboratoires Francais de Chimiotherapie, Paris, France. Derivative of estradiol and preparing it. 2,598,652, May 27.

Velluz, Léon, Paris, and G. Amiard, assignors to Les Usines Chimiques des Laboratoires Francais, Romainville, France. Condensation products of the sugars with derivatives of esculetol and process. 2,616,889, Nov. 4.

Velluz, Léon, Paris, G. Amiard, Romainville, and J. Bartos, assignors to Usines Chimiques des Laboratoires Francais, Paris, France. Triphosphoric ester of aneurin and preparation. 2,622,083, Dec. 16.

Velotta, Salvatore, Houston, Tex. Edger and trimmer attachment for mowers. 2,622,384, Dec. 23.

Velsicol Corporation, assignee: *See*—
Herzfeld, Simon H., and Kleiman.
Herzfeld, Simon H., Lidov, and Bluestone.
Kleiman, Morton.
Lidov, Rex E., Hyman, and Segel.
Peters, Carl F.
Segel, Edward, Lidov, and Hyman.

Velten, Frank X.: *See*—
Hansen, Hans, and Velten.

Velten, Richard F.: *See*—
Hawver, Roy, and Velten.

Veltman, James H. F.: *See*—
Hill, William H., and Veltman.

Veltman, John C., and W. O. Michelsen, St. Louis County, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Apparatus for aligning and holding type blocks for soldering. 2,616,383, Nov. 4.

Velut, René, Francueil, assignor to Anciens Etablissements R. Velut (Société a Responsabilité Limitée), Paris, France. Device for collecting liquids. 2,586,399, Feb. 19.

Venable, Walter H., Augusta, Ga. Kingpin lubrication. 2,615,765, Oct. 28.

Vendall Company, assignee: *See*—
Hancock, David, Jr.

Venditti, Francis A., Baltimore, Md. Toothbrush and article holder. 2,600,345, June 10.

Venditty, Anthony, assignor to Crawford Door Company, Detroit, Mich. Lock for upward acting doors. 2,612,396, Sept. 30.

Vendo Company, The, assignee: *See*—
Andrews, Boley A.
Johnson, Elmer C.
Manley, Robert T.

Vendomatic Machine Corporation, assignee: *See*—
Tandler, William S., Fleuriot, and Peck.
Tandler, William S., Walker, and de Weiss.

Vendorlator Manufacturing Company, assignee: *See*—
Childers, Harry S.

Venema, Albertus: *See*—
Van Meurs, Johan F., and Venema.

Venis, Ernest, Hatch End, assignor to The British Vacuum Flask Company, Limited, London, England. Jacketed vacuum flask. 2,601,573, June 24.

Venner, William M., Ladue, and P. L. Bowser, University City, Mo. Apparatus for molding pistons. 2,588,898, Mar. 11.

Vensel, Wilbur E., East Cleveland, Ohio. Liquid spray cap and the like. 2,606,070, Aug. 5.

Vensel, Wilbur E., East Cleveland, Ohio. Spray cap. 2,606,071, Aug. 5.

Ventsias, James: *See*—
Ventsias, Thomas J. and J.

Ventsias, Thomas J. and J., Joliet, Ill. Vacuum cleaner attachment for use in cleaning Venetian blinds. 2,611,917, Sept. 30.

Ventsulator Mfg. Co., Inc., assignee: *See*—
Shook, Hardwick B.

Venturelli, Giovanni A.: *See*—
Camnasio, Carlo, Venturelli, and Colalupo

Venus Corporation, assignee: *See*—
Meares, Lillian J.

Venus, Henry J., Baker, Oreg. Wire transposition repair bracket. 2,588,781, Mar. 11.

Venus, Wilibald A., Munich, assignor to Hahn & Kolb, Stuttgart-N, Germany. System for driving working pistons in die-casting machines or injection molding machines. 2,618,822, Nov. 25.

Venus, Wilibald A., Munich, assignor to Hahn & Kolb, Stuttgart-N, Germany. Die-casting or injection molding machine. 2,622,288, Dec. 23.

Venus, Wilibald A., Munich, assignor to Hahn & Kolb, Stuttgart-N, Germany. Control device for hydraulically operated working cylinders. 2,622,565, Dec. 23.

Verbanc, John J.: *See*—
Daniels, George H., and Verbanc.

Verbanc, John J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticizing rubber. 2,609,404, Sept. 2.

Verbeek, Leo H.: *See*—
Keukens, Hubertus P., and Verbeek.

Verbrugge, Joseph J.: *See*—
Kearful, Godfrey G., Verbrugge and Malone.

Verderber, Joseph, Cleveland, Ohio. Adjustable golf club. 2,593,368, Apr. 15.

Verderosa, Louis, Ozone Park, N. Y. Safety disk wheel. 2,614,890, Oct. 21.

Verdi, Carlo J., Brooklyn, N. Y. Mop and broom bracket support. 2,584,644, Feb. 5.

Verdi, Michael, Jamaica, N. Y. Combined safety razor and haircutter. 2,620,559, Dec. 9.

Verdier, Jean G. C. J., Cannes, France, assignor, by mesne assignments, to Biothermal Process Corporation. Treatment of garbage through fermentation. 2,595,027, Apr. 29.

Verdurin Company, assignee: *See*—
Hale, William J.

Vereinigte Glanzstoff-Fabriken A. G., assignee: *See*—
Helsenberg, Erwin, and Kleine.

Vérel, Evelyn I., Stirling, Scotland. Stopper for containers. 2,583,162, Jan. 22.

Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Web feeding mechanism for package forming machines. 2,596,625, May 13.

Vergobbi, Robert W.: *See*—
Howard, Stanley R., and Vergobbi.

Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Can opener. 2,593,390, Apr. 15.

Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Electric motor brush holder connection and making same. 2,617,952, Nov. 11.

Verheij, Hendrik, assignor to N. V. H. Verheij's Machines, Rotterdam, Netherlands. Rounder for long loaves. 2,623,478, Dec. 30.

Verhoeff, Adrianus: *See*—
Douma, Tjiske, and Verhoeff.

Verhoeven, Lambertus: *See*—
Gusdorf, Frederik H., Simons, Verhoeven, and Visch.

Verkuil, Leo L., and J. E. Russo, assignors to Edwards Company, Inc., Norwalk, Conn. Fire alarm signal station box. 2,594,369, Apr. 29.

Verley, Guy M., Harvey, Ill., assignor to Sinclair Refining Company, New York, N. Y. Polymerization process. 2,623,890, Dec. 30.

Vermeer, Gerard J. H.: *See*—
Van Heeckeren, Willem J., Vermeer, and Baartman.

Vermeiden, Johannes, Den Hoorn, assignor to De Nederlandsche Organisatie Voor Tolgepast-Natuurwetenschappelijk Onderzoek Ten Behoeve Van Nijverheid, Handel En Verkeer, The Hague, Netherlands. Apparatus for determining the bearing capacity of soil at various depths. 2,619,832, Dec. 2.

Vermeiren, Theophile I. S., Deurne-Anvers, Belgium. Electric device. 2,596,743, May 13.

Vermilyea, Chester W.: *See*—
Pattee, John R., and Vermilyea.

Vermont Box Co., Inc., assignee: *See*—
Thomas, Ford M.

Vernot, Henri E., assignor to Hamilton Watch Company, Lancaster, Pa. Waterproof watchcase. 2,609,655, Sept. 9.

Vernam, Gilbert S., Hackensack, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph switching system. 2,587,253, Feb. 26.

Vernon Tool Co. Ltd., assignee: *See*—
Haines, Marcus W.

Ver Nooy, Burton, Atlanta, Ga., assignor to Standard Oil Development Company. Pipe-line scraper trap assembly. 2,589,170, Mar. 11.

Ver Nooy, Burton, Atlanta, Ga., assignor to Standard Oil Development Company. Pipe-line cleaning device. 2,622,255, Dec. 23.

Vero, Donald H.: *See*—
Nichols, Frederick A., and Vero.

Verreet, Joseph, Saint-Gilles, Belgium, assignor to Owen Evans, London, England. Continuous method for the manufacture of twistless glass fiber assemblies. 2,584,517, Feb. 5.

Verrinder, Ernest A., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Box dumper. 2,612,277, Sept. 30.

Verrinder, Ernest A., and R. H. Heard, Riverside, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Nailing machine. 2,594,100, Apr. 22

Versen, Kurt, Tenafly, N. J. Mounting for recessed lighting fixtures. 2,614,785, Oct. 21.
Versen, Kurt, Tenafly, N. J. Supporting arm for electrical fixtures. 2,617,619, Nov. 11.
Versnel, Frederik H., Amsterdam, Netherlands. Overload output for power-operated doors and the like. 2,597,140, May 20.
Verson Allsteel Press Company, assignee: *See*— Verson, John, and Kassnel.
Verson, Harold: *See*— Battles, Stewart S., and Verson.
Verson, John, and N. Kassnel, assignors to Verson Allsteel Press Company, Chicago, Ill. Punch press. 2,587,076, Feb. 26.
Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Solenoid-operated valve structure. 2,591,030, Apr. 1.
Versoy, Irving R., and A. D. Rapuano; said Versoy assignor to The Berger Brothers Company, New Haven, Conn., and said Rapuano assignor to Robertshaw-Fulton Controls Company. Valve structure. 2,620,791, Dec. 9.
Vertelney, Joseph S., assignee: *See*— Shearer, Arthur H.
Verticraft Mfg. Corporation, assignee: *See*— Lavander, Edward J.
Vervest, Wilhelmus L.: *See*— Unk, Jacob M., and Vervest.
Vervest, Wilhelmus L., and G. V. Gelder, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pawl mechanism and assembly. 2,593,226, Apr. 15.
Vervest, Wilhelmus L., and G. Van Gelder, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Shaft positioning device. 2,616,300, Nov. 4.
Verwaltunzsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, assignee: *See*— Lippert Hanns. Wasem, Otto.
Verwey, Evert J. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical resistor. 2,616,859, Nov. 4.
Verwohlt, Clarence H., St. Clairsville, Ohio. Heat-treating strip. 2,613,070, Oct. 7.
Veselý, Karel, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Shoe having an upper formed of strap members each secured by a flat fastener member. 2,588,061, Mar. 4.
Vesper, George A., Los Angeles, Calif. Block forming apparatus. 2,585,193, Feb. 12.
Vesper, Karl C., assignor to A. J. Hosmer Corporation, Santa Monica, Calif. Wrist mechanism for artificial arms. 2,605,476, Aug. 5.
Vesper, Karl C., Los Angeles, Calif., assignor to A. J. Hosmer Corporation. Artificial limb. 2,619,652, Dec. 2.
Vesterdal, Hans G., and W. A. Konrad, Elizabeth, N. J., assignors to Standard Oil Development Company. Separation of straight-chain from branched-chain hydrocarbons. 2,586,889, Feb. 26.
Vestersky, William, assignor to Deltec, Inc., Youngstown, Ohio. Film trimming machine. 2,601,898, July 1.
Vestre, Rasmus, Oslo, assignor to Hydraulik A/S, Brattvag, Norway. Control valve for hydraulic drive transmissions. 2,618,291, Nov. 18.
Vet, Dirk: *See*— Sher, Alfred, and Vet.
Vettel, Arthur W., Watsonville, assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Refractory material and making the same. 2,616,150, Nov. 4.
Vettel, Arthur W., and R. D. Israel, Watsonville, Calif., assignors to Kaiser Aluminum & Chemical Corporation. Producing magnesium hydroxide. 2,595,314, May 6.
Vetter, Otto B., Chicago, Ill., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Ring-balance. 2,585,705, Feb. 12.
Veyret, Louis, assignor to La Cellophane, Paris, France. Drying films. 2,622,340, Dec. 23.
Veyret, Louis, assignor to La Cellophane, Paris, France. Drying films. 2,623,244, Dec. 30.
Veyssiere, Henri, La Seyne-sur-Mer, assignor to Societe Anonyme des Forges et Chantier de la Mediterranee, Paris, France. Boiler. 2,588,310, Mar. 4.
Vezie, Leo W., Phoenix, Ariz. Safety valve for coffee makers. 2,618,389, Nov. 18.
Vial, Joseph, Paris, France. Dump car. 2,623,651, Dec. 30.
Vialatout, François M., Clichy, assignor to L'Auxiliaire des Chemins de Fer & de L'Industrie, Vitry-sur-Seine, France. Resinous products for the exchange or the removal of anions and silica and manufacturing same. 2,622,064, Dec. 16.
Viarengo, João P., assignor to Acumuladores Vulcania, S. A., Sao Paulo, Brazil. Battery lid. 2,584,946, Feb. 5.
Vibber, Alfred W., assignee: *See*— Vastano, Frederick A.
Vibert, Richard, Oloron Sainte-Marie, France. Fish egg hatching device. 2,611,337, Sept. 23.
Vibradamp Corporation, assignee: *See*— Bush, Joachim G.
Vibro Dynamic Engineering, Inc., assignee: *See*— Robinson, Richard S.
Vicard, Pierre G., Lyon, France. Heat exchanger. 2,622,857, Dec. 23.
Vicario, Carlo: *See*— Clark, Carleton L., and Vicario.
Vicars, T. & T., Limited, assignee: *See*— Crosland, Edward M. Fletcher, William P. Naylor, Joseph F. Naylor, Joseph F., and Greener. Wilde, Albert E.
Vickers-Armstrongs Limited, assignee: *See*— Brereton, Christopher F. Davies, Ernest. Firman, Reginald A. Fuller, Milford E. Jones, Lewis. Nasmith, John I. Nasmith, John I., and Daniels. Nasmith, John I., and Kirby. Pierson, Reginald K., and Firman. Spencer, Arthur, and Hewitt.
Vickers, Clyde L., assignee: *See*— Kennon, Louis H.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power unit for three-wheeled vehicles. 2,606,623, Aug. 12.
Vickers, Herbert, Windsor, England. Polyphase alternating current commutator motors. 2,618,768, Nov. 18.
Vickers Incorporated, assignee: *See*— Gardiner, Duncan B. Gardiner, Duncan B., and Erskine. Graham, MacKellar K. Harrington, Ferris T. Houser, Orson G. Lewis, George G., and Conner. Logan, Frank G. Peters, Carl E. Peters, Carl E., Rau, and Bruemmer. Postel, Kenneth I. Rau, David W. Robinson, James. Saslaw, Otto. Taup, Milton J. Vickers, Harry F.
Vickers, Samuel E.: *See*— Zellhoefer, Glenn F., and Vickers.
Vickers, Valentine J., and H. Willis, Stafford, assignors to The English Electric Company Limited, London, England. Dynamoelectric machine. 2,621,223, Dec. 9.
Vickery, Stanley R., and T. H. Foster, Robstown, Tex. Scientific leveling and measuring instrument. 2,619,732, Dec. 2.
Vickroy, Blanche, administratrix: *See*— Vickroy, William R.
Vickroy, William R., deceased, San Pedro, Calif.; B. Vickroy, administratrix. Shower apparatus. 2,621,968, Dec. 16.
Vicksell, Victor A., Sr., Kansas City, Mo. Window shutter. 2,580,621, Jan. 1.
Victor Adding Machine Co., assignee: *See*— Lippert, Erhard M. Mehan, Thomas O., and Uhlig.
Victor Animatograph Corporation, assignee: *See*— Albrecht, Richard M.
Victor Chemical Works, assignee: *See*— Bell, Russell N. Coleman, William B., and Coté. Toy, Arthur D. F., and Brown. Woodstock, Willard H.
Victor Industries Corporation, assignee: *See*— Jung, Albert H. Temple, Harold F.
Victor, Joseph N., Allentown, assignor to Lasko Metal Products, Inc., West Chester, Pa. Automatic pop-up toaster. 2,621,583, Dec. 16.
Victor Manufacturing & Gasket Co., assignee: *See*— Aukers, Albert J., and Church.
Victor Metal Products Corporation, assignee: *See*— Derham, Philip A.
Victor, Samuel, Chicago, Ill.; now by judicial change of name, Sam Women Sam. Chair seat. 2,600,944, June 17.
Victoreen Instrument Company, The, assignee: *See*— Victoreen, John A.
Victoreen, John A., assignor to The Victoreen Instrument Company, Cleveland, Ohio. Indicating pocket ionization chamber. 2,587,254, Feb. 26.
Victoreen, John A., assignor to The Victoreen Instrument Company, Cleveland, Ohio. Method and apparatus for photoelectrically assorting, recording, or computing. 2,600,817, June 17.
Victory, Frederick C., Milford, Conn., assignor to Moore Special Tool Co., Inc., Rotary table. 2,610,552, Sept. 16.
Vidalis, Peter G., and N. J. Panoussiadis, Athens, Greece. Apparatus and method of closing an electric circuit by means of a secret combination changeable at will. 2,594,254, Apr. 22.
Vidaver, William J., Detroit, Mich. Artificial teeth. 2,593,815, Apr. 22.
Vidmar, Bennie J., Mount Iron, Minn. Repointing dipper teeth. 2,603,985, July 22.
Viecelli, Joseph L., Cicero, assignor to Sunbeam Corporation, Chicago, Ill. Steam iron. 2,618,875, Nov. 25.

Viellard, Léon, Morvillars, France. Machine for producing wood screws. 2,582,662, Jan. 15.
Vierra, Antone N., Honolulu, Hawaii. Toilet bowl flush tank disinfectant container. 2,620,487, Dec. 9.
Vierson, Fred, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Tape dispenser. 2,610,000, Sept. 9.
View, Stanley E., Chicago, Ill., assignor to Kolite Incorporated. Ultraviolet light fixture. 2,613,465, Oct. 14.
Viewlex, Inc., assignee: *See*— Perillo, Florindo J., and Pollan.
Vigh, John, Park Ridge, Ill. X-ray tube head. 2,592,496, Apr. 8.
Vigliotti, Anthony R., Westbury, N. Y. Float controlled valve assembly. 2,623,537, Dec. 30.
Vigmostad, Trygve: *See*— Doty, Clifford B., Vigmostad, and Nusbaum.
Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Collapsible top for vehicles. 2,580,486, Jan. 1.
Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Foldable top for vehicle bodies. 2,580,487, Jan. 1.
Vigneault, Oswald R., and D. M. Small, assignors to Production Tool and Die Co., Inc., Springfield, Mass. Die apparatus. 2,591,108, Apr. 1.
Vigness, Peter C., Zumbrota, Minn. Gopher trap. 2,593,816, Apr. 22.
Vigon, Jule, assignor to Precision Plastic Products, Inc., Chicago, Ill. Hollow fluorescent character and mounting. 2,588,183, Mar. 4.
Vigorito, John A., New York, N. Y. Combined rain skirt and umbrella cover. 2,604,631, July 29.
Vigren, Sten D.: *See*— Rost, Helge F., Thunell, Vigren, and Claesson.
Vigren, Sten D., W. O. W. Broberg, and O. K. J. Olsson, Stockholm, Sweden. Contact support for crossbar switches. 2,598,085, May 27.
Vigren, Sten D., and G. E. Gustafsson, Stockholm, Sweden. Telephone apparatus. 2,609,458, Sept. 2.
Vigren, Sten D., H. Freese, P. H. E. Claesson, and S. P. R. Åkesson, Stockholm, Sweden. Automatic telephone system. 2,620,401, Dec. 2.
Viking Manufacturing Company, assignee: *See*— Cole, Evan L.
Viking Tool Company, The, assignee: *See*— Severson, Ole C.
Viles, Prentiss S., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Corrosion inhibition. 2,607,744, Aug. 19.
Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Frequency converter for AM-FM receivers. 2,601,475, June 24.
Viliano, Joseph, Brooklyn, N. Y. Spring clip device. 2,589,001, Mar. 11.
Villebonnet, Georges, Gentilly, France. Regulation of direct current sources for the supply of electric receivers. Re. 23,531, July 29.
Villebonnet, Georges, Gentilly, France. Regulation of direct-current sources for the supply of electric receivers. 2,586,748, Feb. 19.
Villegas, Jaime, Manizales, Colombia. Atraumatic surgical needle. 2,581,564, Jan. 8.
Villemagne, Jean M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Amplitude modulation system. 2,591,749, Apr. 8.
Villforth, Frederick J., Jr., Beacon, assignor to The Texas Company, New York, N. Y. Internal-combustion engine and fuel injection nozzle therefor. 2,604,086, July 22.
Villoresi, John, Lincoln Park, and A. P. Scheller, Union, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Gas mixing method and blowpipe apparatus. 2,614,616, Oct. 21.
Vilsmeier, Anton: *See*— Saftien, Karl, and Vilsmeier.
Vinay, Alexander B., assignee: *See*— Decker, Troy H.
Vincent, Andrew W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Relay with sequentially operated switches. 2,602,867, July 8.
Vincent, Charles H., Avoca, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle driver's seating arrangement. 2,620,042, Dec. 2.
Vincent, Dan B., Inc., assignee: *See*— Vincent, Daniel B.
Vincent, Daniel B., assignor to Dan B. Vincent, Inc., Tampa, Fla. Treating fish press fluids. 2,595,180, Apr. 29.
Vincent, Daniel B., Tampa, Fla. Stock food and making same. 2,595,181, Apr. 29.
Vincent, Daniel B., Tampa, Fla. Dehydration. 2,600,945, June 17.
Vincent "H. R. D." Company Limited, assignee: *See*— Vincent, Philip C.
Vincent, Henri C. G., Renens, Switzerland. Vane pump. 2,622,538, Dec. 23.
Vincent, John J., and F. Davies, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Picking mechanism for underpick looms. 2,621,680, Dec. 16.
Vincent, Kenneth I. C.: *See*— Lombard, Adrian A., Vincent, and Morley.
Vincent, Philip C., assignor to Vincent "H. R. D." Company Limited, Stevenage, England. Driving unit for motor vehicles. 2,591,219, Apr. 1.
Vincent, Philip C., assignor to Vincent "H. R. D." Company Limited, Stevenage, England. Driving unit for motor vehicles. 2,612,148, Sept. 30.
Vincent, Renic P.: *See*— Niles, Joseph A., Simpson, Sturgis, Vincent, and Ziemer
Vincent, William C.: *See*— Zoerlein, Emil, Vincent, and Luce.
Vinco Corporation, assignee: *See*— Frankland, Edwin. Osplack, Joseph J. Wollner, Hans.
Vine, Allyn C.: *See*— Klebba, Arthur A., Vine, and Ewing.
Vines, Oscar L., New York, N. Y. Carrier for columnar articles. 2,615,612, Oct. 28.
Viney, Harry S., Kingston-on-Thames, England. Means adjustab'y supporting a mirror from a cabinet or other base member. 2,592,086, Apr. 8.
Vingerhoets, Antonius W.: *See*— Klasens, Hendrik A., and Vingerhoets.
Vining, James D., New Orleans, La. Overboard discharge chute. 2,587,932, Mar. 4.
Vining, L. Heath, Jr.: *See*— Wood, Louvan E., and Vining.
Vinson, Joseph C.: *See*— Vaughan, Joseph A., and Vinson.
Vinson, Walter L., Sherman Oaks, Calif. Kitchen pot or pan scraper. 2,589,753, Mar. 18.
Vinson, William A., Madera, Calif. Wire heading tool. 2,601,186, June 17.
Vinson, William A., Madera, Calif. Soldering unit. 2,612,856, Oct. 7.
Vinson, William A., Madera, Calif. Sleeve compressing tool. 2,612,932, Oct. 7.
Vinton, William H., Parlin, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N-alkyl-n-(sulfophenylthio)alkylaminoanilines. 2,603,657, July 15.
Vinton, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinylpyridine-mercaptan adducts. 2,607,775, Aug. 19.
Vinton, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mercaptoethyl pyridines and preparing same. 2,607,776, Aug. 19.
Violet, Hans E., Basel, assignor to Sotecom S. A., Geneva, Switzerland. Two-wheel vehicle. 2,592,981, Apr. 15.
Violet, Hans E., Zurich, assignor to Sotecom S. A., Geneva, Switzerland. Transmission. 2,592,982, Apr. 15.
Violette, Richard J., Washington, D. C. Liquid coaxial line and rotary joint. 2,588,436, Mar. 11.
Virkotype Corporation, assignee: *See*— Berndt, Richard F.
Vironda, Italo D., Battle Creek, Mich. Shotgun choke and compensator. 2,589,171, Mar. 11.
Virtue Bros. Mfg. Co., assignee: *See*— Virtue, Philip M.
Virtue, Philip M., assignor to Virtue Bros. Mfg. Co., Los Angeles, Calif. Lock for extension tables. 2,583,282, Jan. 22.
Visch, Henri M.: *See*— Gusdorf, Frederik H., Simons, Verhoeven, and Visch.
Visco Products Company, assignee: *See*— Kirkpatrick, Willard H., and Ryznar. Kocher, Earl T.
Visconti, Esther R., South Weymouth, Mass. Garter. 2,601,681, July 1.
Visconti, Esther R., South Weymouth, Mass. Crochet hook. 2,601,769, July 1.
Viscoseal Corporation, The, assignee: *See*— Lewis, Douglas R.
Visirecord, Inc., assignee: *See*— Weston, Herbert.
Visitacion, Aniceto R., New York, N. Y. Lock embodying a key-ejecting mechanism. 2,606,437, Aug. 12.
Visking Corporation, The, assignee: *See*— Tripp, George E.
Visos, Charles D.: *See*— Huck, Alfred J., and Visos.
Vissac, Gustave A., Vancouver, British Columbia, Canada. Apparatus for drying wet granular materials. 2,598,199, May 27.
Visual Planning Equipment Co., Inc., assignee: *See*— Dasey, Homer H.
Visual Research Incorporated, assignee: *See*— Evans, Robert P.
Visugage, Inc., assignee: *See*— Haatvedt, Ervin C.
Vita, Lawrence, Smithtown Branch, N. Y. Dispensing device for collapsible tubes. 2,596,310, May 13.
Vita, Lawrence, Smithtown Branch, N. Y. Window. 2,606,607, Aug. 12.
Vitale, Anthony S., Brooklyn, N. Y. Battery casing. 2,590,804, Mar. 25.
Vitale, Anthony S., Brooklyn, N. Y. Electronic rectifying circuits. 2,590,805, Mar. 25.
Vitale, Peter T., Brooklyn, N. Y., and R. S. Leonard, East Orange, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid anionic-dialkylolamide detergent composition. 2,607,740, Aug. 19.

Vitale, Samuel L., Detroit, Mich. Drying machine having centrifugal units. 2,609,100, Sept. 2.
Vitarama Corporation, The, assignee: *See*—
Waller, Fred.
Waller, Fred, and Babish.
Waller, Fred, and Dresser.
Vitek, Marcel, Geneva, Switzerland. Suspension device for thread guide lead of knitting machines. 2,603,074, July 15.
Vitl, Florindo: *See*—
Murray, Russell T., and Vitl.
Vitoux, Marcel, Paris, France, assignor to American Vitos Company, Inc., New York, N. Y. Knitting needle. 2,596,311, May 13.
Vitro Products Company, assignee: *See*—
Scott, Wilmot H.
Vitter, Albert L., Jr., New Orleans, La., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable magnetron oscillator. 2,589,903, Mar. 18.
Vittum, Paul W.: *See*—
Loria, Anthony, Vittum, and Weissberger.
Weissberger, Arnold, Glass, and Vittum.
Weissberger, Arnold, and Vittum.
Vittum, Paul W., and G. W. Kerridge, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic developers comprising an N,N-dialkyl-p-phenylenediamine and a benzene sulfonate. 2,618,558, Nov. 18.
Viviano, Frank, Long Island City, N. Y. Snow melting and removal apparatus. 2,619,745, Dec. 2.
Viviano, Thomas J., Greentree, Pa., assignor to Zoo-Mac, Inc., St. Louis, Mo. Die for forming macaroni dough into animal shape. 2,619,049, Nov. 25.
Vivie, Wilhelmus L. L.: *See*—
Van der Lee, Albertus, Vivie, and Hofland.
Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Phonograph tone arm positioner. 2,601,987, July 1.
Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. System for the reproduction of phonograph records of different diameters. 2,616,708, Nov. 4.
Vivolo, Michael, D., New York, N. Y. Salt dispenser. 2,609,971, Sept. 9.
Vladeff, Theodore, Detroit, Mich. Roentgenographic apparatus. 2,589,904, Mar. 18.
Vlahos, Petro, Culver City, assignor to Motion Picture Research Council, Inc., Hollywood, Calif. Rheostat. 2,618,724, Nov. 18.
Vlasak, Thomas G.: *See*—
Vlasak, William W. and T. G.
Vlasak, William W. and T. G., St. Louis, Mo. Stepped jaws closure remover with pivoted handles. 2,607,248, Aug. 19.
Voce, William A., Florence, Ala. Combination crib and cradle. 2,623,220, Dec. 30.
Vocelka, John, Elmwood Park, assignor to Wm. W. Nugent & Co., Inc., Chicago, Ill. Fiber disk filter assembly. 2,604,994, July 29.
Voedisch, Alfred, assignor to The Heald Machine Company, Worcester, Mass. Mounting and demounting of pulleys, gears, wheels, and like elements. 2,600,946, June 17.
Voege, James E.: *See*—
Belcher, Daniel, Williams, and Voege.
Voegtlin, Edmund W.: *See*—
Taylor, William D., Voegtlin, and Schlosser.
Voelker, Cecil J., Yakima, Wash. Horse simulated swing. 2,586,277, Feb. 19.
Voellmecke, Friedrich K., assignee: *See*—
Welsh, James G., Jr.
Voelz, Harry H.: *See*—
Melcher, Walter P., and Voelz.
Vogal, William V., assignee: *See*—
Brodkey, Clara.
Voge, Jean P., Paris, France. Oscillating and amplifying vacuum tube for very short waves. 2,614,234, Oct. 14.
Vogel, Alvin R.: *See*—
Feeney, Thomas A., Oates, and Vogel.
Vogel, Alvin R., Los Angeles, Calif. Telephone handset attachment. 2,590,481, Mar. 25.
Vogel, Arthur W., Philadelphia, Pa., assignor to Danita Hosiery Mfg. Co. Inc., Newark, Del. Stocking. 2,623,373, Dec. 30.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Circuit breaker unit. 2,587,013, Feb. 26.
Vogel, Frank, Philadelphia, Pa. Sewing machine needle threader. 2,609,771, Sept. 9.
Vogel, Frank W., Rock Island, Ill. Concrete building construction. 2,616,282, Nov. 4.
Vogel, Fred J.: *See*—
Aicher, Louis C., and Vogel.
Vogel, Henry C.: *See*—
Stein, Gustav A., Vogel, and Valerio.
Vogel, Howard H., and R. W. Paton, assignors to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 2,622,578, Dec. 23.
Vogel Manufacturing Company, The, assignee: *See*—
Vogel, Rudolf.
Vogel-Peterson Co., assignee: *See*—
Magnuson, Raymond A.
Magnuson, Raymond A., and Christiansen.
Vogel, Reynold S., Portland, Oreg. Stair climbing vehicle attachment. 2,612,379, Sept. 30.
Vogel, Rudolf, assignor to The Vogel Manufacturing Company, Bridgeport, Conn. Combined container and spreading device for bobby pins. 2,600,087, June 10.
Vogel, Ruth H., New York, N. Y. Triazine derivatives of diphenyl sulfones, sulfoxides, and sulfides, and production. 2,599,145, June 3.
Vogel, Snyder, and E. Seid, Dallas, Tex. Portable baby bed. 2,587,255, Feb. 26.
Vogel, Walter, Santiago, Chile. Process and apparatus for preparatory dressing of coal, minerals, and other solids, using a heavy liquid. 2,612,267, Sept. 30.
Vogel, Walter, Santiago, Chile. Apparatus for the specific gravity classification of bulk substances. 2,612,269, Sept. 30.
Vogel, William E., assignor to Lighting Specialties, Inc., Los Angeles, Calif. Lamp shade and mounting therefor. 2,596,626, May 13.
Vogelaar, Bernard F.: *See*—
Paul, Carl H., and Vogelaar.
Vogelpoel, Willem T., Surabaya, Netherlands East Indies. Machine for mining precious metals or stones in rivers beneath the surface thereof. 2,616,560, Nov. 4.
Vogelsang, George K.: *See*—
Novotny, Emil E., and Vogelsang.
Vogelsang, George K., La Mott, Pa., assignor to The Borden Company, New York, N. Y. Substantially infusible nitrogenous resins and producing same. 2,594,601, Apr. 29.
Vogelsanger, Ernst, Zurich, assignor to Atellers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Excess voltage grounding device. 2,618,765, Nov. 18.
Vogelsberg, Walter H., Glen Burnie, Md., assignor to Proctor Electric Company, Philadelphia, Pa. Electro switch. 2,623,137, Dec. 23.
Voges, Edwin, Ireland, Tex. Intermittently actuated distributor dispensing valve. 2,591,894, Apr. 8.
Vogl, Henry L., and A. M. Stieber, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Protective composition for metal surfaces. 2,580,488, Jan. 1.
Vogler, Karl, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Decreasing the degree of polymerization of polyvinyl alcohol. 2,581,987, Jan. 8.
Vogogas S. A., assignee: *See*—
Von Gálocsy, Zsigmund.
Vogt, Clarence W., Norwalk, Conn. Sealing of thermoplastic materials. 2,609,317, Sept. 2.
Vogt, Clarence W., Norwalk, Conn. Sheet material articles in sequence. 2,620,205, Dec. 2.
Vogt, Edward: *See*—
Jost, John A., and Vogt.
Vogt, Ernst, Wallisellen, and W. G. Hallpern, Zurich, assignors to Societe Technique pour l'Industrie Nouvelle S. A. "Stin," Vevey, Switzerland. Transmission of signals between two objects moving relative to each other. 2,620,435, Dec. 2.
Vogt, George L. and J. H., Jr., assignors to Vogt Knitting Mills, Inc., Reading, Pa. Hosiery preboarding form. 2,617,564, Nov. 11.
Vogt, Henry, Machine Company, assignee: *See*—
Williams, Jesse D., Jr.
Vogt, John H., Jr.: *See*—
Vogt, George L. and J. H.
Vogt Knitting Mills, Inc., assignee: *See*—
Vogt, George L. and J. H.
Vogt, Lucien E., West Roxbury, assignor to Farrington Manufacturing Company, Boston, Mass. Printing device using portable printing plates of the token type. 2,606,494, Aug. 12.
Vogt, Lucien E., West Roxbury, assignor to Farrington Manufacturing Company, Boston, Mass. Combination of printing plate, card, and cover. 2,623,463, Dec. 30.
Vogt, Paul, Cheektowaga, N. Y. Knockdown stand. 2,593,077, Apr. 15.
Vogt, Paul R.: *See*—
Perkins, Gerald S., Vogt, and Weber.
Vogt, Paul R., Grosse Pointe, and B. C. Jacob, Jr., Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Two pump system. 2,595,618, May 6.
Vogt, Paul R., Grosse Pointe, and P. T. Nims, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Controlled dashpot for fuel metering devices. 2,609,662, Sept. 9.
Vogt, Richard R., and W. H. Hamill, South Bend, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Storage and concentration of acetylene. 2,580,622, Jan. 1.
Voices, Inc., assignee: *See*—
Wilhelm, John H.
Voigt, Charles A., assignee: *See*—
Pajuoja, William O.
Voigt, Herbert L., and J. Sieczkiewicz, Jr., Milwaukee County, assignors to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Can crusher. 2,603,270, July 15.
Voigt, Johnston S.: *See*—
Kishline, Floyd F., Phelps, and Voigt.
Voigt, Johnston S., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Synchronizer clutch. 2,619,210, Nov. 25.

Voigt, Max T., Wyomissing, assignor to American Safety Table Co., Inc., Mohnton, Pa. Collar pressing apparatus. 2,619,267, Nov. 25.
Voigt, Paul G. A. H., London, England. Permanent magnet system for loudspeakers. 2,581,223, Jan. 1.
Voigt, Paul G. A. H., Upper Norwood, London, England. Moving coil loud-speaker. 2,615,995, Oct. 28.
Voigt, Paul G. A. H., London, England. Magnet pole structure. 2,615,996, Oct. 28.
Voit, Willy, Stuttgart-Bad Cannstatt, and U. Aldinger, Stuttgart-N, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany. Single piston injection pump with fuel distributor for multicylinder combustion engines. 2,614,494, Oct. 21.
Vojnecek, Mary, Chicago, Ill. Combined cleaning and drying implement for Venetian blinds. 2,622,256, Dec. 23.
Vojak, Joseph F.: *See*—
Enderle, Herman, and Vojak.
Vokes, Cecil G., assignor to Vokes Limited, Guildford, England. Porous filter. 2,598,322, May 27.
Vokes, Gordon H., assignor to Vokes Limited, Guildford, England. Agitating means for cleaning filters. 2,610,518, Nov. 4.
Vokes Limited, assignee: *See*—
Ringe, Donald F.
Vokes, Cecil G.
Vokes, Gordon H.
Vokurka, Eduard, Porici, near Trutnov, Czechoslovakia. Bobbin drag means for spinning frames and similar machines. 2,603,059, July 15.
Volckening, Lloyd L., executor: *See*—
Sallisberg, Leroy L.
Sellisberg, Leroy L. and C. M.
Volff, Charles, Montreal, Quebec, Canada, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Arc welding apparatus. 2,620,422, Dec. 2.
Volgovskoy, Boris, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric regulating system responsive to currents in two load conductors. 2,604,498, July 22.
Volis, Kerr, Grosse Pointe Park, Mich. Wheel alignment apparatus. 2,601,187, June 17.
Volk, Emil A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Energy absorbing stop. 2,590,482, Mar. 25.
Volk, Joseph A., Normandy, Mo. System of seismographic visual recording. 2,614,228, Oct. 14.
Volk, Karl, Eugen Holzbaur, and E. Klemm, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany. Electrical appliance for producing oscillations or vibrations for laundry purposes. 2,623,376, Dec. 30.
Volk, Paul F., Warwick, R. I., assignor to Carl Art, Inc. Extension device. 2,596,186, May 13.
Volk, Walter: *See*—
Von Berg, Josef, and Volk.
Volker, John F., Meadville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Portable fan-type air heater. 2,594,101, Apr. 22.
Volkmann, John, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Acoustic coupler for earphones. 2,584,402, Feb. 5.
Voll, Jesse W., Springfield, Mo. Quick-set wheel guard. 2,580,979, Jan. 4.
Vollet, George: *See*—
Hajos, Joseph L., and Vollet.
Vollmer, Hermann, New York, N. Y., assignor to Sharp & Dohme Incorporated, West Point, Pa. Antibacterial therapeutical preparations. 2,602,038, July 1.
Vollmer, Leonhard, New York, N. Y. Automatic inserter for suturing clips. 2,594,102, Apr. 22.
Volmer, Joseph, Huntley, Ill. Fertilizer separator for barns and like structures. 2,591,643, Apr. 1.
Volpe, Alfred N., Jamaica, assignor to Rocket Distributors, Inc., Bayside, N. Y. Tool for upsetting hollow rivets. 2,605,011, July 29.
Volpi, Joseph M., Brooklyn, N. Y. Fabric slitting apparatus. 2,623,586, Dec. 30.
Volpin, Alexander S., Houston, Tex. Lubricated globe valve. 2,584,761, Feb. 5.
Volpin, Alexander S., Houston, Tex. Shear relief valve. 2,587,933, Mar. 4.
Volpin, Alexander S., Houston, Tex. Valve indicator. 2,587,934, Mar. 4.
Volpin, Alexander S., Houston, Tex. Automatic sealing gate valve. 2,605,078, July 29.
Volpin, Alexander S., and J. P. Smith, Houston, Tex. Lubricated plug valve. 2,591,031, Apr. 1.
Voita Manufacturing Co. Ltd., assignee: *See*—
Young, John.
Volterra, Renzo V., assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical contact. 2,600,175, June 10.
Volz, Arthur J., and E. A. Haase, assignors to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,621,910, Dec. 16.
Volz, Carl, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Track circuit apparatus using alternating current. 2,590,483, Mar. 25.
Volz, Chris L., Birmingham, Mich. Shaving device. 2,582,807, Jan. 15.
Volz, Frank W.: *See*—
Safrin, Leopold, and Volz.
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Doweling jig. 2,583,283, Jan. 22.
Volz, Philip E., Florham Park, N. J., assignor to Radio Corporation of America. Tone keyer. 2,599,675, June 10.
Vom Hove, Hugh, Newport, assignor of one-half to Walkden Makin & Co./Limited, Openshaw, Manchester, England. Treatment of textile fabrics for imparting anti-shrink properties thereto. 2,608,494, Aug. 26.
Vonada, Clayton W., Woodward, Pa. Animal trap. 2,589,002, Mar. 11.
Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz A. G., Basel, Switzerland. 1-amino 4-bicyclohexylamino anthraquinone 2-sulfonic acids. 2,589,980, Mar. 18.
Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz A. G., Basel, Switzerland. Sulfonated N-substituted aminoanthroquinones. 2,616,900, Nov. 4.
Von Baeyer, Hans J., Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Receiver for time modulated pulses. 2,623,994, Dec. 30.
Von Berg, Josef, Stuttgart-Bad Cannstadt, and W. Volk, Stuttgart-Uhlbach, Germany. Focusing device. 2,595,495, May 6.
Von Bergen, John M.: *See*—
Wheeler, William H., von Bergen, and Meek.
Von Bramer, Harold, and M. L. Clemens, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing gallic esters. 2,615,042, Oct. 21.
Von Brömssen, Adolph, Stureby, assignor to Ingeniorsfirman Adolph von Bromssen A. B., Stockholm, Sweden. Dishwashing machine with water temperature regulating means. 2,619,097, Nov. 25.
Von Brömssen, Adolph M., Jr., deceased, Stureby, Sweden, by C. A. R. Nydahl, administrator, assignor to Ingeniorsfirman Adolph Von Bromssen A B, Stockholm Sweden. Basket for dish-washing machines. 2,622,757, Dec. 23.
Von Duyke, Harrison M., Wilmington, Del., assignor to Von Evan, Inc., Avondale, Pa. Condiment dispenser. 2,612,292, Sept. 30.
Von Duyke, Harrison M., assignor to New Dictatype Company, Incorporated, Wilmington, Del. Type bar operating mechanism for stenographic typewriters. 2,612,977, Oct. 7.
Von Duyke, Harrison M., assignor to New Dictatype Company, Incorporated, Wilmington, Del. Type bar shifting mechanism for stenographic typewriters. 2,616,545, Nov. 4.
Von Eschen, Garvin L., Columbus, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flight control apparatus. 2,617,615, Nov. 11.
Von Essen, John F., Floral Park, N. Y. Antiskid attachment for shoes. 2,586,749, Feb. 19.
Von Evan, Inc., assignee: *See*—
Von Duyke, Harrison M.
Von Gálocsy, Zsigmund, Berg en Terblijt, Netherlands, assignor to Vogogas S. A., Zurich, Switzerland. Manufacture of gas mixtures rich in ammonia in generators. 2,582,936, Jan. 15.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype compositions containing unsaturated alkyl N-derivatives of amino diazos. 2,597,412, May 20.
Von Glahn, William H., Loudonville, and H. A. Bergstrom, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Stabilized diazonium salts and effecting same. 2,612,494, Sept. 30.
Von Glahn, William H., Loudonville, and H. A. Bergstrom, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Stabilized diazonium salts and effecting same. 2,612,495, Sept. 30.
Von Gugelberg, Hans L., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gas filled discharge device. 2,607,021, Aug. 12.
Von Gugelberg, Hans L., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode gaseous discharge device. 2,618,767, Nov. 18.
Von Gunten, Albert, assignor to Eudora Beltless Specialty Machine Co., Inc., Eudora, Kans. Vertically adjustable work holder and support therefor, including motor mount. 2,582,573, Jan. 15.
Von Gunten, Leo J., Akron, Ohio. Telephone desk set. 2,608,622, Aug. 26.
Von Haase, Anthony: *See*—
Kelley, Dewey L., and von Haase.
Manning, Elizabeth B., and von Haase.
Von Haase, Anthony, assignor of one-half to R. L. and E. A. Collier, Cleveland, Ohio. Utility appliance. 2,607,232, Aug. 19.
Von Hacht, William H., Bronxville, assignor to Underwood Corporation, New York, N. Y. Line spacing platen for flat-bed typewriting machines. 2,600,346, June 10.
Von Hauteville, Hans T., Stuttgart-Degerloch/Wurttemberg, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Dielectric R-F heating of nonconducting materials in particular of thermoplastic materials, wood, paper, etc. 2,617,752, Nov. 11.

Von Heidenstam, Erik J., Stockholm, and E. I. Lindman, Ronninge, Ekbacken, Sweden. Vertically sliding mold for molding concrete structures. 2,621,389, Dec. 16.

Von Hildebrandt, Paul G., Portland, Oreg. Apparatus for separating cooking liquor from pulp. 2,592,983, Apr. 15.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine and method for applying labels to articles on a conveyer. Re. 23,512, June 10.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Method of and apparatus for activating labels. 2,613,007, Oct. 7.

Von Hofen, Edward L., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Head spacing mechanism. 2,600,285, June 10.

Von Hortenau, Hans A., assignor of one-half to S. K. M. Billman, Stockholm, Sweden. Viscosity measuring apparatus. 2,603,087, July 15.

Von Kameniczky, Daniel W., Elmhurst, N. Y. Pencil point sharpener. 2,613,645, Oct. 14.

Von Kohorn, Henry, Westchester County, N. Y. Method and apparatus for producing staple fiber yarn. 2,598,086, May 27.

Von Kohorn, Henry, Westchester County, N. Y. Method and apparatus for the handling of continuous materials. 2,618,042, Nov. 18.

Von Kokeritz, Karl, Staten Island, and R. H. Blackford, Long Beach, N. Y., and B. L. Schwaller, Wayne, Pa., assignors to Durablu Manufacturing Company, New York, N. Y. Check valve. 2,609,175, Sept. 2.

Von Korshenewsky, Nicolai, Stockholm, assignor to A. B. Strateg, Lidingo, Sweden. Rotor for homogenizers. 2,598,469, May 27.

Von Kreudenstein, Emil S., Belgrade, Jugoslavia, assignor of one-fourth to G. J. Storz, Washington, D. C. Variable-speed power transmission mechanism. 2,619,841, Dec. 2.

Von Lledtke, Rudolph H., Chicago, Ill., assignor, by mesne assignments, to McGraw Electric Company. Tube and making the same. 2,599,878, June 10.

Von Lledtke, Rudolph H., Chicago, Ill., assignor, by mesne assignments, to McGraw Electric Company. Machine for making laminated paper tubes. 2,602,382, July 8.

Von Mehren, Oswald: *See*—
Baker, Benjamin P., and von Mehren.

Von Mertens, Ernest K., West Hartford, Conn. Dispenser of kitchen articles. 2,596,312, May 13.

Vonnegut, Bernard, Alplaus, N. Y., assignor to General Electric Company. Moisture indicating instrument. 2,596,744, May 13.

Vonnegut, Bernard, Alplaus, N. Y., assignor to General Electric Company. Condensation nuclei generator. 2,606,270, Aug. 5.

Vonnegut, Bernard, Alplaus, N. Y., and R. E. Katz, Washington, D. C., assignors to the United States of America as represented by the Secretary of the United States Air Force. Rotating disk icing rate meter. 2,585,604, Feb. 12.

Vonnegut, Frederick M., San Bruno, Calif. Brush ferrule. 2,583,908, Jan. 29.

Vonnegut Moulder Corporation, assignee: *See*
Bruner, George W.
Bruner, George W., and Shaffer.

Vono Limited, assignee: *See*—
Way, Percival L.

Von Pein, Edward J., Dayton, Ohio. Fishing reel. 2,623,706, Dec. 30.

Von Reis, Gustav: *See*—
Kaplan, Leo I., and von Reis.

Von Rotz, Robert, Manhasset, N. Y., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Jet pump. 2,595,737, May 6.

Von Ruden, Raymond E., Claremont, Minn. Mounting means for chain saws and the like. 2,618,350, Nov. 18.

Von Seemann, Carl: *See*—
Grant, Gordon A., and von Seemann.

Von Sivers, Carl H., Stockholm, Sweden. Rounding the tips of bristles. 2,587,792, Mar. 4.

Von Sprecher, Hans: *See*—
Matter, Max, and von Sprecher.

Von Stroh, Gerald: *See*—
Edwards, Lewis W., and Von Stroh.

Von Thaden, William A. R., Newark, N. J. Combination corset and brassière with interchangeable bust section. 2,599,302, June 3.

Von Tungeln, Frank W., U. S. Navy, Philadelphia, Pa. Sediment trap. 2,588,437, Mar. 11.

Von Wald, Walter A., Jr., Washington, D. C., T. E. Marshall, III, Arlington, Va., and R. B. Bridge, Greenbelt, Md. Antenna tension take-up unit. 2,616,139, Nov. 4.

Von Zelewsky, Ottomar, Neuhausen-on-the-Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Spindle support for machine tools. 2,586,126, Feb. 19.

Von Zelewsky, Ottomar, Neuhausen-on-the-Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Tailstock for machine tools. 2,586,127, Feb. 19.

Von Zelewsky, Ottomar, Neuhausen on the Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Clamping device for machine tools. 2,593,706, Apr. 22.

Voorhees, Daniel W., Quincy, Ill. Pressed metal vehicle wheel. 2,584,309, Feb. 5.

Voorhees, Milton S., Point Pleasant Beach, N. J. Trailer coupler. 2,583,191, Jan. 22.

Voorhees, Milton S., Point Pleasant Beach, N. J. Knockdown shower unit. 2,617,116, Nov. 11.

Voorhees, Vanderveer: *See*—
Page, James M., Jr., and Voorhees.

Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic improvement of hydrocarbon synthesis product. 2,600,452, June 17.

Voorhis, William B.: *See*—
Bender, Harry, and Voorhis.

Voorhorst, Derk J., assignor to W. J. Stokvis' Koninklijke Fabriek Van Metaalwerken N. V., Arnhem, Netherlands. Stopcock. 2,617,623, Nov. 11.

Voorthuis, Heino T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Use of a mixture of a diamide of a carbonic acid and an epoxy compound to stabilize a halogen containing material. 2,595,619, May 6.

Voorthuis, Heino T., and C. P. can Dijk, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilized compositions containing high molecular weight halogenated materials. 2,588,899, Mar. 11.

Vorderstrasse, Rudolph C., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Electrode arrangement for fence welding machines. 2,588,062, Mar. 4.

Vorderstrasse, Rudlolph C., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Wire feeding machine. 2,590,806, Mar. 25.

Vore, Milton P.: *See*—
Hagopian, Richard H., and Vore.

Vorma, Armand, assignor to Society "La Radio Industrie," S. A., Paris, France. Television transmission system. 2,611,028, Sept. 16.

Vörts, Svend A., and E. B. Nilsson, Ludvika, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement at surge diverters for increasing the discharging ability. 2,608,600, Aug. 26.

Vos, Donald, Pella, Iowa. Antichafing trailer hitch. 2,609,214, Sept. 2.

Vosbikian, Peter S., and T. S., Melrose, Pa. Blade clamping device. 2,610,401, Sept. 16.

Vosbikian, Thomas S.: *See*—
Vosbikian, Peter S., and T. S.

Vosburg, Guy M., Pontiac, assignor to Dri-Flo Manufacturing Co., Hazel Park, Mich. Spigot for discharging liquid from containers. 2,593,634, Apr. 22.

Vose, Robert W., West Springfield, Mass., A. L. Le Febvre, Windsor, Conn., and E. D. Hargreaves, Springfield, Mass., assignors to The Fuller Brush Company, Hartford, Conn. Brush element of the strip type. 2,616,111, Nov. 4.

Vose, Robert W., West Springfield, and E. D. Hargreaves, Springfield, Mass., assignors to The Fuller Brush Company, Hartford, Conn. Method and machine for making a brush element of the strip type. 2,616,763, Nov. 4.

Voslamber, Berend J., Hoogkerk, assignor to N. V. Betonfabriek "De Meteoor," De Steeg, Netherlands. Striking lugs of headed form from a metal sheet. 2,590,807, Mar. 25.

Vosper, Richard W., Guilford, Conn. Pivoted yoke pipe vise. 2,616,320, Nov. 4.

Voss, Arthur, deceased, Frankfort/Main-Unterliederbach, Germany, by General Aniline and Film Corporation, New York, N. Y., assignee, and E. Dickhauser, Frankfort/Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Artificial resins and making them. Re. 23,514, June 24.

Voss, Elizabeth, New York, N. Y. Calendar and indicator. 2,586,890, Feb. 26.

Voss, John H., and R. W. Jones, Rochester, N. Y., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. 2,621,257, Dec. 9.

Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Top box with a thread cutter for knitting machines. 2,595,998, May 6.

Vossenberg, Frank A., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pallet. 2,584,762, Feb. 5.

Vote, Harold W., assignor to Eagle Manufacturing Company, Los Angeles, Calif. Lighting fixture clamp. 2,610,816, Sept. 16.

Votruba, Voitěch, Ceske Budejovice Ulice L. B., assignor to Koh-I-Noor Tuzkarna L. & C. Hardtmuth, narodni podnik, Ceske Budejovice, Czechoslovakia. Mechanical lead pencil with finger operable lead projecting and retracting means. 2,583,069, Jan. 22.

Vought, Chauncey D., Greenville, S. C. Portable trailer mixer. 2,597,688, May 20.

Voysey, Reginald G., Glen Parva, Leicester, assignor to Power Jets (Research & Development) Limited, London, England. Rotary impeller and the like. 2,621,851, Dec. 16.

Vraciu, Kathryn L., Falls Church, Va. Maternity girdle. 2,606,322, Aug. 12.

Vrâga, Frantíšek: *See* —
Šlampa, Vavřin, Čepelák, and Vrâga.

Vredenburg, Edric W., Berkeley, Calif. Bag filling and weighing device. 2,602,626, July 8.

Vreugdenhil, Adrianus, Amsterdam, Netherlands. Suspending lifeboats from gravity davits. 2,618,792, Nov. 25.

Vroman, Erwin C., Watertown, N. Y., assignor to The New York Air Brake Company. Feed valve for air brakes. 2,589,586, Mar. 18.

Vroom, Edward: *See*—
Hersey, Ralph E., and Vroom.
Scudder, Frederick J., and Vroom.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Charge and tax determining equipment for telephone systems. 2,587,014, Feb. 26.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmitter. 2,614,168, Oct. 14.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,619,528, Nov. 25.

Vroom, Harold B., assignor to Veeder-Root Incorporated, Hartford, Conn. Recorder. 2,612,428, Sept. 30.

Vrooman, Herschel C., Denver, Colo. Ceiling-suspended elevatable table. 2,580,980, Jan. 1.

Vuiglio, Ernest, Lorette, France. Adjustable cramp for vehicle wheels. 2,621,082, Dec. 9.

Vulcan Chemical Company Limited, assignee: *See*—
Milner, David W., and Holdsworth.

Vulcan Corporation, assignee: *See*—
Clausing, George.
Clausing, Henry G.

Vulcan Detinning Company, The, assignee: *See*—
Muskat, Irving E., and Taylor.

Vulliet-Durand, Gaston R. H., Paris, France. Cyclic path motor-driven reciprocating saw machine. 2,619,131, Nov. 25.

Vulliet-Durand, Gaston R. H., Paris, France. Power-driven sawing machine having a straight blade moving in a cyclic path. 2,619,133, Nov. 25.

Vuori, Dorothea H., Gatchell, Ontario, Canada. Table top and infant's chair. 2,605,816, Aug. 5.

Vutz, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Vehicle body structure. 2,595,028, Apr. 29.

Vutz, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Elevator having reinforcing truss rods. 2,598,470, May 27.

Vychodoceske Chemicke Zavody, narodni podnik, assignee: *See*—
Daněk, Otto, and Nosek.

W. J. Stokvis' Koninklijke Fabriek Van Metaalwerken N. V., assignee: *See*—
Voorhorst, Derk J.

W-K-M Company, assignee: *See*—
Laurent, Milton P.

Waack, Ervin V.: *See*—
Floeter, Edward J., and Waack.

Waack, Ervin V., Saginaw, Mich., and E. J. Floeter, deceased, Saginaw, Mich., by A. E. Floeter, administratrix, Bay Port, Mich. Beet harvester. Re. 23,565, Oct. 14.

Waagner-Biro Aktiengesellschaft, assignee: *See*—
Feifel, Eugen, and Kemmetmuller.

Waber, Donald, and R. Braunstein, Jr., Philadelphia, Pa. Dispensing container. 2,605,892, Aug. 5.

Waber, James W., Chicago, Ill. Rim and tire assembly. 2,581,736, Jan. 8.

Wachovia Bank and Trust Co., assignee: *See*—
Babinson, Agnew H., Jr.

Wachsman, Jacob, Brooklyn, N. Y. Stop motion mechanism for knitting machines. 2,599,595, June 10.

Wachter, Aaron: *See*—
Moore, Robert J., and Wachter.

Wachter, Aaron, Oakland, Calif., and W. W. Newschwander, Ellensburg, Wash., assignors to Shell Development Company, Emeryville, Calif. Corrosion prevention method. 2,583,399, Jan. 22.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydraulic fluid composition. 2,584,086, Jan. 29.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Corrosion-inhibiting coating composition containing organic amine nitrites. 2,596,450, May 13.

Wachter, Lester W.: *See*—
Anthony, William C., and Wachter.

Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Pump. 2,593,369, Apr. 15.

Wachtl, Carl: *See*—
Hartauch, Paul J., and Wachtl.

Wackher, Richard C.: *See*—
Bloch, Herman S., and Wackher.

Waddell, Clark W., Chicago, Ill. Fish lure. 2,583,616, Jan. 29.

Waddell, Homer J., Baltimore, and A. H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc. Lubricated plug valve. 2,596,963, May 13.

Waddell, Homer J., Baltimore, and A. H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc. Lubricated plug valve. 2,596,964, May 13.

Waddell, Homer J., Baltimore, and A. H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc. Lubricated plug valve. 2,603,448, July 15.

Waddell, Joseph L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt testing apparatus. 2,603,084, July 15.

Waddell Manufacturing Company, Inc., The, assignee: *See*—
Waddell, Homer J., and Edmonds.

Waddell, Mathis T., H. W. Earhart, R. M. Love, Baytown, and J. S. Tiller, Dallas, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hypochlorite sweetening of distillates. 2,608,523, Aug. 26.

Waddell, Willis D., Calgary, Alberta, Canada. Clothesline manipulator. 2,599,081, June 3.

Waddley, Walter E., Elizabeth, and E. B. Cyphers, Cranford, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricant. 2,592,497, Apr. 8.

Waddington, Ralph H., Sudbury, Ontario, Canada, and K. Geigel, Woodbridge, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Spray cooling device. 2,623,531, Dec. 30.

Waddington, Richard, assignor to Boyles Bros. Drilling (Eastern) Ltd., Port Arthur, Ontario, Canada. Underreamer. 2,620,166, Dec. 2.

Wade, Doan, Dieterich, and H. Dahl, Centralia, Ill. Coin holder for use on automobiles. 2,616,554, Nov. 4.

Wade, Elmer J., Schenectady, N. Y., assignor to General Electric Company. Automatic steering system. 2,615,154, Oct. 21.

Wade, George H., Sr., Middlebush, N. J. Housing structure for use either as an incubator or brooder. 2,612,863, Oct. 7.

Wade, Henry N., Los Angeles, Calif. Bubble cap for washing gases and vapors. 2,600,710, June 17.

Wade, Jack R., Jr.: *See*—
Sargeant, James A., and Wade.

Wade, James O., Adrian, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Refrigerant evaporator. 2,591,109, Apr. 1.

Wade, Louis R., Los Angeles, Calif. Screen printing machine. 2,581,775, Jan. 8.

Wade, Marion E., Kansas City, Kans., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating apparatus preferably for heating gasporous material. 2,615,259, Oct. 28.

Wade, R. M., & Co., assignee: *See*—
Cornelius, Gail.

Wade, Ronald E., Tucson, Ariz. Oar support. 2,606,332, Aug. 12.

Wade, William J., Seattle, Wash. Duck and goose call. 2,583,400, Jan. 22.

Wade, William L., Birkdale, Southport, England. Rod of dental impression material. 2,594,830, Apr. 29.

Wade, William R., Marysville, Mont. Drill bit. 2,602,641, July 8.

Wadenstein, Oscar E., assignor, by mesne assignments, to Fuel Reduction Engineers, Inc., St. Paul, Minn. Draft control. 2,612,319, Sept. 30.

Waderlow, B. A., and Co., assignee: *See*—
Waderlow, Benerson A., and Horton.

Waderlow, Benerson A., Lathrup Township, Oakland County, and W. S. Horton, Farmington Township, Oakland County, assignors to B. A. Waderlow and Co., Detroit, Mich. Fluid magnetic clutch. 2,614,668, Oct. 21.

Wadley, Edward F.: *See*—
Anderson, James A., Jr., Floyd, and Wadley.
Booker, John D., Harp, and Wadley.
Schutze, Henry G., and Wadley.

Wadlington, Bettie B., assignee: *See*—
Wadlington, James E., and Stinnitt.

Wadlington, James E., Celina, Tenn., and R. Stinnitt, Lexington, Ky., assignors of one-quarter to B. B. Wadlington, Celina, Tenn. Weed guard for artificial lures. 2,612,715, Oct. 7.

Wadman, Harold A., West Hartford, Conn., assignor to Embart Manufacturing Company. Electronic thickness gauge. 2,601,649, June 24.

Wadsworth Electric Mfg. Co., The, assignee: *See*—
Boller, William D., Berkley, Ernst, and Landmeier.

Wadsworth, Francis T., Dickinson, assignor to Pan American Refining Corporation, Texas City, Tex. Preparation of phthalic anhydride from 3.4.0 bicyclic nonyl hydrocarbon. 2,586,128, Feb. 19.

Wadsworth, Francis T., Dickinson, assignor to Pan American Refining Corporation, Texas City, Tex. Cycloalkane oxidation. 2,589,648, Mar. 18.

Wadsworth, Howard M., Liverpool, N. Y. Variable electrical condenser. 2,591,644, Apr. 1.

Waeco Limited, assignee: *See*—
Bateman, Edgar W., and Fletcher.

Waeldner, William J.: *See*—
Phillips, Leonard R., and Waeldner.

Waeselynck, Raymond F. M., Indret, par Basse-Indre, assignor of one-half to Societe Rateau (Societe Anonyme) Paris, France. Anticavitation device for removing boiling liquids from steam and water drums. 2,613,655, Oct. 14.

Waeterling, Arthur E., Long Island City, N. Y. Egg timing device. 2,621,585, Dec. 16.

Wagar, Harold K., Takoma Park, Md. Foil feeder for printing or embossing machines. 2,598,323, May 27.

Wagener, Lyndon L.: *See*—
Hanson, Frank D., Parker, and Wagener.

Wagenlanls, Robert E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Wall thickness gauge. 2,607,127, Aug. 19.

Wagenlals, Robert E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Tube testing machine. 2,618,963, Nov. 25.

Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Push-button tuner driving mechanism. 2,596,451, May 13.

Wager, Robert H., Maplewood, N. J. Soot blower head and valve mechanism therefor. 2,595,377, May 6.

Waggener, Kenneth E., Brea, Calif. Preset releasing subassembly. 2,597,414, May 20.

Waggener, Kenneth E., Brea, Calif. Split knocker-head jar and safety unit. 2,610,027, Sept. 9.

Waggett, Thomas A.: *See*—
Terwelp, Edward J., and Waggett.

Waggoner, Frank H., Ramsey, N. J. Container closure. 2,612,307, Sept. 30.

Waggoner, Frank L., Industrial City, Mo. Automatic film rewind. 2,583,675, Jan. 29.

Waggoner, Jack H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Colored glass fiber products and producing them. 2,584,763, Feb. 5.

Waggoner, Jack H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Colored glass fiber product and producing the same. 2,593,817, Apr. 22.

Waggoner, Jack H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Colored glass fiber product and producing the same. 2,593,818, Apr. 22.

Wagner, Adam, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Foldable reflector. 2,586,583, Feb. 19.

Wagner, Adam, assignor to Ernst Leitz, G. m. b. H., Wetzler, Germany. Curtain shutter camera with flash synchronizer attachment. 2,590,829, Mar. 25.

Wagner, Bernard, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Radial head weight-controlled hose extension device. 2,601,073, June 17.

Wagner Brothers, Inc., assignee: *See*—
Wagner, Frederick W.

Wagner, Bruce O., Inglewood, Calif., assignor to North American Aviation, Inc. Automatic drain valve. 2,610,645, Sept. 16.

Wagner, Carl J., Sturgis, Mich. Window construction. 2,617,482, Nov. 11.

Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of alkyl quinolines and alkenyl quinolines. 2,592,625, Apr. 15.

Wagner, Cecelia F., and W. J. Farrell, San Francisco, Calif. Spring clip. 2,599,146, June 3.

Wagner, Clyde L., Tulsa, Okla. Fish lure. 2,618,096, Nov. 18.

Wagner, Curtis R., assignor, by mesne assignments, to Golf Unlimited, Inc., Denver, Colo. Golf practicing machine. 2,608,864, Sept. 2.

Wagner, Donnell H.: *See*—
Giachetto, John J., Wagner, and Wolf.

Wagner, E. R., Manufacturing Company, assignee: *See*—
Kirkpatrick, William O.

Wagner Electric Corporation, assignee: *See*—
Brunner, Albert.
Johnson, Edward D.
Malshary, James S.
Milster, Arthur N.
Schnell, Steve.
Welchsel, Hans.

Wagner, Elizabeth, administratrix, assignee: *See*—
Wagner, Frank J.

Wagner, Elmer A., Portland, Oreg. Utility vehicle with tilting lift frame. 2,617,628, Nov. 11.

Wagner, Ernest A., Lordship, Conn., assignor to General Electric Company. Control system for laundry driers and the like. 2,590,808, Mar. 25.

Wagner, Ernest V., London, England. Reservoir pen. 2,606,529, Aug. 12.

Wagner, Ernst: *See*—
Hauser, Max, and Wagner.

Wagner, Ernst, Konstanz, assignor to Deutsche, Gold-Und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Preparation of chlorine dioxide. 2,605,168, July 29.

Wagner, Ernst, Konstanz, assignor to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Preparation of solid chlorite. 2,616,783, Nov. 4.

Wagner, Erwin, assignor to Wagner Sign Service, Incorporated, Chicago, Ill. Changeable display sign. 2,607,143, Aug. 19.

Wagner, Erwin, assignor to Wagner Sign Service, Inc., Chicago, Ill. Changeable display sign and silhouette letter therefor. 2,607,146, Aug. 19.

Wagner, Erwin J., Cleveland, Ohio. Faucet. 2,622,839, Dec. 23.

Wagner, Frank, Laurel Hill, N. Y. Four-color magazine pencil. 2,589,905, Mar. 18.

Wagner, Frank J., deceased, assignor of one-half to C. M. Bierman, and E. Wagner, administratrix of said F. J. Wagner, assignor of one-half to E. Wagner, Franklin Square, N. Y. Bearing for roller skate wheels. 2,580,489, Jan. 1.

Wagner, Frank J., deceased, assignor of one-half to C. M. Bierman, Franklin Square, N. Y., E. Wagner, administratrix of said F. J. Wagner, assignor of one-half to E. Wagner. Roller skate. 2,606,768, Aug. 12.

Wagner, Frederick W., assignor to Wagner Brothers, Inc., Highland Park, Mich. Electroplating anode. 2,619,457, Nov. 25.

Wagner, George B., assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Insecticidal composition with a wheat dust carrier. 2,585,356, Feb. 12.

Wagner, George H., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Hydrogenation of silicon compounds. 2,606,811, Aug. 12.

Wagner, George H., Kenmore, and C. E. Erickson, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Hydrogenation of halogenosilanes. 2,595,620, May 6.

Wagner, George P., Mount Vernon, N. Y., assignor to The Engineering Development Company, Incorporated, doing business as Engineering Development Company, Incorporated, Dallas, Tex. Oil well drilling apparatus. 2,588,311, Mar. 4.

Wagner, George P., Mount Vernon, N. Y. Level luffing crane. 2,589,172, Mar. 11.

Wagner, Grace, assignee: *See*—
Keele, Ralph M.

Wagner, Gustave H.: *See*—
Wagner, Harold A. and G. H.

Wagner, Harold A. and G. H., Portland, Oreg. Mobile cement mixer drum drive. 2,594,236, Apr. 22.

Wagner, Herbert E., Los Angeles, Calif. Multiple circuit control switch. 2,586,750, Feb. 19.

Wagner, Herbert M., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Space charge reaction device. 2,607,861, Aug. 19.

Wagner, Herbert M., Asbury Park, N. J. Tracing characteristic curve of electronic tubes. 2,616,058, Oct. 28.

Wagner, Hugo, and R. Anderson, Seattle, Wash. Orthopedic bone aligning and fixing mechanism. 2,590,739, Mar. 25.

Wagner, John H., Parkville, Md. Poultry dipping machine. 2,585,194, Feb. 12.

Wagner, John L., Endwell, and R. H. Holmwood, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Photoelectric inspection device. 2,617,048, Nov. 4.

Wagner, John O., Palisade, N. J. Doll's eye. 2,589,462, Mar. 18.

Wagner, John W.: *See*—
Stein, Joseph A., and Wagner.

Wagner, Joseph A., assignor to Wagneradio Company, Verona, Pa. Synchronizing mechanism. 2,584,645, Feb. 5.

Wagner, Julius A.: *See*—
Adams, Robert T., and Wagner.

Wagner, Ludwig W., Los Angeles, Calif. Bubble blower. 2,618,886, Nov. 25.

Wagner Malleable Iron Company, assignee: *See*—
Steinhoff, Harvey E.

Wagner, Paul H., Milwaukee, Wis. Oil filter. 2,593,227, Apr. 15.

Wagner, Paul H., Milwaukee, Wis. Filter. 2,593,228, Apr. 15.

Wagner, Paul R., Banning, Calif. Billfold protector. 2,586,584, Feb. 19.

Wagner, Reinhard P., Spokane, Wash. Bolt holding pliers. 2,599,676, June 10.

Wagner, Reinhard P., Spokane, Wash. Dispensing cap for collapsible tubes. 2,605,026, July 29.

Wagner, Richard L.: *See*—
Bauerle, Robert, and Wagner.

Wagner, Robert A.: *See*—
Hiller, Stanley, Jr., and Wagner.

Wagner, Robert L., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Thermochemical cutting and scarfing powder. 2,598,025, May 27.

Wagner, Robert W., Chelsea, Mich. Power takeoff. 2,600,347, June 10.

Wagner, Romeo B., State College, Pa., and J. A. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Halosteroid acid derivatives and preparation of same. 2,606,197, Aug. 5.

Wagner, Romeo B., State College, Pa., and J. A. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Halosteroid alcohols and preparation of same. 2,606,198, Aug. 5.

Wagner, Romeo B., State College, Pa., and J. A. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Preparation of unsaturated steroid alcohols. 2,616,903, Nov. 4.

Wagner, Samuel, and T. K. Kellner, Sheridan, Wyo. Christmas tree stand. 2,613,899, Oct. 14.

Wagner Sign Service, Inc., assignee: *See*—
Wagner, Erwin.

Wagner Sign Service, Incorporated, assignee: *See*—
Wagner, Erwin.

Wagner, Stanley T., Chicago, Ill. Combined cover and silencer for electric shavers. 2,597,552, May 20.

Wagner, Wilhelm F., Williamsville, N. Y. Combined hatch cover and ventilator for storage tanks. 2,600,947, June 17.

Wagner, Willard F., Detroit, assignor of one-half to C. W. Glenn, Centerline, Mich. Lighter. 2,589,906, Mar. 18.

Wagner, William, Brooklyn, N. Y. Gasket cutter. 2,612,686, Oct. 7.

Wagneradio Company, assignee: *See*—
Wagner, Joseph A.

Wagnon, Francis M., Elmer, Okla. Device for stretching wire. 2,623,730, Dec. 30.

Wagoner, Francis E., Miami, Okla. Combined folding crib and playpen. 2,605,482, Aug. 5.

Wagoner, Glenn G., Inglewood, Calif. Sign. 2,603,897, July 22.

Wagoner, Roscoe K., deceased, Evansville, Ind.; S. V. Wagoner, administratrix of said R. K. Wagoner. Dough shaping machine. 2,596,313, May 13.

Wagoner, Sophia V., administratrix: *See*—
Wagoner, Roscoe K.

Wagstaff, George F., assignor to Delapena & Son Limited, Cheltenham, England. Honing device. 2,603,920, July 22.

Wagstaff, James A., Roanoke, Va. Combined automobile tray and receptacle-supporting device. 2,584,646, Feb. 5.

Wagstaff, James B., Ridgewood, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Metal refining process. 2,593,505, Apr. 22.

Wagstaff, James B., Ridgewood, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Composite pipe. 2,614,585, Oct. 21.

Waguespack, Frumence, Burnside, La. Loader. 2,599,677, June 10.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,400, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,401, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,402, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuit and device for electric discharge devices. 2,586,403, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating devices and circuits for electric discharge devices. 2,586,404, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating circuits and devices for electric discharge devices. 2,586,405, Feb. 19.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating device and circuits for electric discharge devices. 2,589,754, Mar. 18.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating device and circuits for electric discharge devices. 2,597,604, May 20.

Wahl Brothers, assignee: *See*—
Wahl, Nicholas A.

Wahl, Charles L., Lanesboro, Iowa. Rolling paint stand. 2,580,623, Jan. 1.

Wahl, Eugene A.: *See*—
Badenhausen, Otto A., Wahl, and Boehl.

Wahl, Eugene A., Glen Ridge, and R. J. Winters, Nutley, assignors to P. Ballantine & Sons, Newark, N. J. Carton flap opener. 2,620,961, Dec. 9.

Wahl, Nicholas A., assignor to Wahl Brothers, New York, N. Y. Separable fastener assembly. 2,586,891, Feb. 26.

Wahlbeck, Ragnar, New York, N. Y. Syringe. 2,596,083, May 6.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Snap switch. 2,583,756, Jan. 29.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Mounting means for electric motors. 2,587,418, Feb. 26.

Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Steering mechanism. 2,614,436, Oct. 21.

Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Brake and clutch supporting structure. 2,621,750, Dec. 16.

Wahlberg, Nils E., Chicago, Ill., and J. F. Sladky, Detroit, Mich., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Hand brake control. 2,615,350, Oct. 28.

Wahlbom, Ernest T., assignor of one-half to said Wahlbom, Rockford, Ill., and one-half to O. E. Griggs, East Hartford, Conn. Bottle carrier. 2,615,605, Oct. 28.

Wahle, Adolph, assignor of one-half to W. H. Martin, Davenport, Iowa. Centrifugal pump. 2,581,055, Jan. 1.

Wahle, Adolph, assignor of one-half to W. H. Martin, Davenport, Iowa. Rotary pump with radial inlet and outlet. 2,611,322, Sept. 23.

Wahll, Werner, Berne-Bumpliz, Switzerland. Process and device for the measuring of rotational velocities. 2,582,727, Jan. 15.

Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Chicago, Ill. Stirrup nozzle. 2,618,511, Nov. 18.

Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Bellwood, Ill. Off-center spray nozzle. 2,619,388, Nov. 25.

Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Bellwood, Ill. Spray nozzle tip. 2,621,078, Dec. 9.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Pump. 2,604,048, July 22.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Pump. 2,611,318, Sept. 23.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Antifriction transmission. 2,616,302, Nov. 4.

Wahlsten, Gösta L. B., Stockholm, and G. K. W. Boestad, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Patten, Racine, Wis., as trustees. Controlling torque transmission through hydrodynamic torque converters. 2,582,300, Jan. 15.

Wahlstrom, Lawrence T.: *See*—
Hopton, Harold, and Wahlstrom.

Wahnish, George L., Los Angeles, Calif. Glare prevention device for automobiles. 2,596,627, May 13.

Waide, Robert L., Houston, Tex. Cement paint composition. 2,588,438, Mar. 11.

Wainer, Eugene: *See*—
Kopelman, Bernard, and Wainer.

Wainer, Eugene, Cleveland Heights, assignor, by mesne assignments, to Thompson Products Inc., Cleveland, Ohio. Molding nonmetallic powders. 2,593,507, Apr. 22.

Wainer, Eugene, Cleveland Heights, assignor, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Molding powders of metal character. 2,593,943, Apr. 22.

Wainwright, Carlyle H.: *See*—
Deans, Frederick E., and Wainwright.

Wainwright, James A.: *See*—
Krause, Leonard, and Wainwright.

Waite, Amory H., Jr., Long Branch, N. J. Coaxial cable coupling. 2,615,953, Oct. 28.

Waite Carpet Company, assignee: *See*—
Waite, Philip C.
Waite, Stanley E.

Waite, Cyril W., Cleveland, Ohio. Illuminable artificial fishing bait. 2,598,471, May 27.

Waite, Edwin P., assignor to Precision Rolls, Inc., Columbus, Ga. Top roll for fiber attenuating apparatus. 2,621,374, Dec. 16.

Waite, Gilbert D.: *See*—
Espey, George B., and Waite.

Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. 2,583,192, Jan. 22.

Waite, Philip M., Corry, Pa. Irreversible throttle control. 2,612,058, Sept. 30.

Waite, Stanley E., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. 2,589,003, Mar. 11.

Waitkens, Frank: *See*—
Andrew, Charles, and Waitkens.

Wakefield, George P., Vermilion, Ohio. Canned food server. 2,608,706, Sept. 2.

Wakefield, Kenneth E., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic pump. 2,612,109, Sept. 30.

Wakeford, Leslie E., and D. H. Hewitt, deceased, London, England, by E. Booth, Richmond, and R. H. Buckle, Barnt Green, England, executors, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland Ohio. Interpolymers of styrene and mixed esters of polyhydric alcohol and drying oil acid in the presence of a terpene. 2,607,749, Aug. 19.

Wakeman, Alden H., Crystal Lake, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Plate heat exchanger. 2,616,671, Nov. 4.

Wakeman, Catherine E., Vancouver, British Columbia, Canada. Bedpan. 2,611,903, Sept. 30.

Walbridge, Lyman H., assignor to Fenwal Incorporated, Ashland, Mass. Thermostatic switch. 2,619,567, Nov. 25.

Walco, Inc., assignee: *See*—
Wallace, David A.

Walcot, Charles D., and J. E. R. Ostrom, Bamfield, British Columbia, Canada. Crutch tip. 2,606,568, Aug. 12.

Wald, Samuel, Bronx, N. Y. Fuel saving furnace. 2,613,633, Oct. 14.

Walden, Clarence B., and C. Kravagna, Los Angeles, Calif. Valve. 2,594,525, Apr. 29.

Walden, Lester M., Cranford, N. J., and N. G. Hernblad, Long Island City, N. Y., assignors, by mesne assignments, to F. C. Came, Savannah, Ga. Reciprocatory sheet feed device for collators. 2,588,946, Mar. 11.

Waldes, George, Jackson Heights, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Separable fastener. 2,607,715, Aug. 19.

Waldes Kohinoor, Inc., assignee: *See*—
Erdmann, Hans.
Heimann, Heinrich.
Heimann, Heinrich, and Brozek.
Shur, Ira.
Waldes, George.

Waldie, George A., Worthington, Ohio, and H. F. MacMillin, Wilmette, Ill., assignors to MacMillin Engineering Corporation. Variable-oscillator controlled relay system. 2,592,770, Apr. 15.

Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Air-drying wrinkle finish and making. 2,600,818, June 17.

Waldinger, Paul, Flushing, N. Y. Dialing means for dial telephones. 2,596,628, May 13.

Waldman, Donald C.: *See*—
Parry, Harvey L., and Waldman.

Waldman, Rose, Jersey City, N. J. Combination jacket, trouser, and tie hanger. 2,596,745, May 13.

Waldo, Pharez G.: *See*—
Caesar, Philip D., Waldo, and Crowley.

Waldorf Paper Products Company, assignee: *See*—
Dunning, Robert M., and Guyer.
Guyer, Reynolds.
Guyer, Reynolds, and Hennessey.
Jameson, Morton B.

Waldron, Frederic B., Eccleston Park, Prescot, England. Manufacture of steel. 2,587,793, Mar. 4.

Waldron, John, Corporation, assignee: *See*—
Dickhaut, Charles A.

Waldrop, Arthur, Wellington, Kans. Self-wringing mop. 2,618,001, Nov. 18.

Waldvogel, Hans, Zurich, Switzerland. Vibrating appliance. 2,622,444, Dec. 23.

Wales, Charles C.: *See*—
Hill, William J., and Wales.

Wales, George F., Kenmore, N. Y. Method and apparatus for punching materials with screws and lodging same therein. 2,593,506, Apr. 22.

Wales, George F., Kenmore, N. Y. Fluid cushioned clutch mechanism. 2,621,480, Dec. 16.

Wales, George F., Kenmore, N. Y. Lever arm screw driver and wrench. 2,621,688, Dec. 16.

Wales, George F., Kenmore, N. Y. Precision drilling machine. 2,623,419, Dec. 30.

Wales, George F., Kenmore, and P. H. Taylor, North Tonawanda, N. Y., said Taylor assignor to said Wales. Driving mechanism and supporting structure for machines. 2,584,403, Feb. 5.

Wales, George F., Kenmore, and P. H. Taylor, North Tonawanda, N. Y.; said Taylor assignor to said Wales. Control device. 2,619,846, Dec. 2.

Wales, Lawrence B.: *See*—
Van Nest, Francis H., and Wales.

Wales, Lester C., Portland, Maine. Water wheel. 2,608,379, Aug. 26.

Wales, Lester C., Winthrop, Maine. Multistage turbogenerator. 2,608,663, Aug. 26.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Automatic support for flatirons. 2,596,314, May 13.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Unitized centrifugal refrigerating machine. 2,609,672, Sept. 9.

Wales, Nathaniel B., Jr., assignor to Theodore Backer, New York, N. Y. Air comforter bed covering. 2,601,189, June 17.

Wales-Strippit Corporation, assignee: *See*—
Paxhia, Emanuel F.
Taylor, Paul H.

Waletzky, Emanuel, Stamford, Conn., and A. Bliznick, Long Island City, assignors to American Cyanamid Company, New York, N. Y. Thiosemicarbazide rodenticide. 2,582,940, Jan. 15.

Waley, Stephen G.: *See*—
Hanby, William E., Waley, and Watson.

Walkden Makin & Co./Limited, assignee: *See*—
Vom Hove, Hugh.

Walker, Albert C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Growing ethylenediamine tartrate crystals. 2,591,032, Apr. 1.

Walker, Alec H. B., and L. H. Peter, assignors to Westinghouse Brake and Signal Company Limited, London, England. Apparatus for the supply of high-voltage unidirectional currents from a relatively low-voltage alternating current source. 2,619,602, Nov. 25.

Walker, Allan B., Piedmont, and H. J. Riddle, Alameda, Calif.; said Walker assignor to said Riddle. Portable sanding machine. 2,582,470, Jan. 15.

Walker, Arnold V., Pascagoula, Miss. Rod or shaft packing. 2,616,735, Nov. 4.

Walker, Arthur: *See*—
Atkins, Arthur A., Averns, and Walker.

Walker, Arthur W., assignor of one-fifth to H. M. Northcutt, Tulsa, Okla. Orifice plate fitting. 2,585,290, Feb. 12.

Walker, Brooks: *See*—
Lindberg, John E., Jr., Ray, and Walker.

Walker, Brooks, Piedmont, Calif. Venetian blind. 2,582,301, Jan. 15.

Walker, Brooks, Piedmont, Calif. Venetian blind. 2,583,031, Jan. 22.

Walker, Brooks, Piedmont, Calif. Close-nesting snap retainer for Venetian blinds. 2,591,750, Apr. 8.

Walker, Brooks, Piedmont, Calif. Barbecue and cooking stand. 2,604,884, July 29.

Walker, Chapman J.: *See*—
Fusner, George R., and Walker.

Walker, Chapman J., Schenectady, N. Y., assignor to General Electric Company. Control system for gas turbine air compressor plants. 2,618,431, Nov. 18.

Walker, Crosweller, & Company, Limited, assignee: *See*—
Barker, Clifford L.

Walker, Daniel N., Ashby Parva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Exhaust induced cooling system for gas turbines. 2,599,879, June 10.

Walker, Daniel N., Ashby Parva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Lubrication system. 2,602,461, July 8.

Walker, Daniel N., Olton, Birmingham, and R. E. Ingham, West Mersea, assignor to Power Jets (Research and Development) Limited, London, England. Pressure fluid supply system. 2,607,297, Aug. 19.

Walker, David S.: *See*—
Tandler, William S., Walker, and de Weiss.

Walker, Donald F., assignor to Ferranti Limited, Hollinwood, England. Electrical computing instrument. 2,608,345, Aug. 26.

Walker, Donald F., Hollinwood, England. Electrical computing instrument. 2,623,691, Dec. 30.

Walker, Donald I.: *See*—
Arkis, Jerome W., and Walker.

Walker, Donald I., gEvanston, Ill., and E. A. Dieman, Crown Point, Ind., assignors to Standard Oil Company, Chicago, Ill. Fingerprint corrosion inhibiting compositions. 2,598,949, June 3.

Walker, Doreen, executrix: *See*—
Blumlein, Alan D.

Walker, Earl C., Beverly Hills, R. B. Elliott, South Pasadena, and J. D. Bascom, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Missile launcher. 2,604,014, July 22.

Walker, Edward F., assignee: *See*—
Wiesztort, Vincent K.

Walker, Eric A.: *See*—
Kirby, Charles K., Thurston, and Walker.

Walker, Ernest S., South Yardley, Birmingham, England. Device for cutting worms for fish food. 2,585,881, Feb. 12.

Walker, Eugene J., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,590,663, Mar. 25.

Walker, Ezra C., assignee: *See*—
McGan, Herman L.

Walker, Floyd B., Mountain Park, Okla. Cultivator with weeder attachment. 2,612,825, Oct. 7.

Walker, Forrest A., Wheaton, Ill., assignor to Hotpoint Inc. Dishwashing apparatus with automatic detergent introduction arrangement. 2,620,811, Dec. 9.

Walker, Frank G., Minneapolis, Minn. Dish hold-down for dishwashing machines. 2,615,457, Oct. 28.

Walker, Frank G., Santa Barbara, Calif. Vacuum cleaner air nozzle and adjustable brush therefor. 2,613,388, Oct. 14.

Walker, Frederick S.: *See*—
Batchelor, Clyde S., Cofek, and Walker.

Walker, Henry E., Burbank, Calif. Drafting instrument. 2,607,119, Aug. 19.

Walker, Henry W., McHenry, assignor to Ditex Foods, Inc., Chicago, Ill. Synergistically sweetened canned fruits and making the same. 2,608,489, Aug. 26.

Walker, Hiram, & Sons Inc., assignee: *See*—
Boruff, Clair S., Stone, Bauernfeind, and Garey.

Walker, Howard E., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Storage battery plate separator. 2,607,810, Aug. 19.

Walker, James D., assignor to Walker Process Equipment, Inc., Aurora, Ill. Aerator. 2,616,676, Nov. 4.

Walker, James R., Lansing, Mich. Window sash construction. 2,581,503, Jan. 8.

Walker, Jay P., and C. O. Glasgow, assignors to National Tank Company, Tulsa, Okla. Method of and apparatus for treating oil well streams. 2,614,649, Oct. 21.

Walker, Jerome F., Victor, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,581,314, Jan. 1.

Walker, Joseph, Berwyn, Ill. Recording apparatus. 2,598,950, June 3.

Walker, Joseph B., Hollywood, Calif. Indicator for the blind. 2,582,728, Jan. 15.

Walker, Larry, Danville, Va. Combination beverage and meat case. 2,618,128, Nov. 18.

Walker, Le Roy E., Mullen, and G. R. Morton, Grand Island, Nebr. Fountain toothbrush. 2,587,794, Mar. 4.

Walker Machine & Foundry Corporation, assignee: *See*—
Bernard, John E., Jr.

Walker Manufacturing Company, assignee: *See*—
Hollingsworth, John W.

Walker Manufacturing Company of Wisconsin, assignee: *See*—
Dearsley, Irwin E.
Powers, Walter H.

Walker, Merle H., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Breech closing construction for firearms. 2,585,195, Feb. 12.

Walker, Neville E., Portland, Oreg. Miniature airplane with balancing weight. 2,599,957, June 10.

Walker Process Equipment, Inc., assignee: *See*—
Walker, James D.

Walker, Ralph J.: *See*—
Bartelink, Everhard H. B., Torode, and Walker.

Walker, Richard P., Essex, Md., assignor to Standard Oil Development Company. Foam distributor nozzle. 2,588,312, Mar. 4.

Walker, Robert S.: *See*—
Mertz, Fred A., and Walker.

Walker, Stanley F., Montgomery, Ala. Valved piston compressor. 2,595,738, May 6.

Walker, Thomas B., assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Machine for washing, dry cleaning, or garment dyeing. 2,584,070, Jan. 29.

Walker, Thomas B., assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Filter. 2,593,707, Apr. 22.

Walker, Wallace A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw driver. 2,604,912, July 29.

Walker, Walter, Short Hills, N. J. Spraying apparatus. 2,599,678, June 10.

Walker, Walter, Short Hills, N. J. Apparatus for distributing fluent materials. 2,613,109, Oct. 7.

Walker, Willard T., Racine, Wis., assignor, by mesne assignments, to Globe Hoist Company, Des Moines, Iowa. Method and mechanism for raising vehicles. 2,593,635, Apr. 22.

Walker, William C.: *See*—
Zettlemoyer, Albert C., Walker, and Riley.
Zettlemoyer, Albert C., Walker, and Stump.

Walker, Willis B.: *See*—
Seymour, Raymond B., and Walker.

Walker, Willis B., Macungie, assignor to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Pouring gate. 2,597,208, May 20.

Walkey, Betty M.: *See*—
Meyer, Herbert, and Walkey.

Walklet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Toy wheel and making. 2,600,033, June 10.

Walklin, Richard: *See*—
Osburn, Everett H., and Walklin.

Walkup, Lewis E., Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Electrophotography. 2,598,732, June 3.

Walkup, Lewis E., Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Developer for electrostatic images. 2,618,551, Nov. 18.

Walkup, Lewis E., H. E. Copley, and W. A. Beckdahl, Columbus, Ohio, assignors, by mesne assignments, to The Haloid Company, Rochester, N. Y. Electrocopy apparatus. 2,588,675, Mar. 11.

Wall, Byron T., Flushing, N. Y. Safety cigarette tray. 2,597,413, May 20.

Wall, Harry G.: *See*—
Ivens, Edgar, and Wall.

Wall, Lindsay S., Winston-Salem, N. C. Unloading apparatus for dump trucks. 2,584,069, Jan. 29.

Wall, Thomas P., Seattle, Wash. Self righting cup. 2,601,767, July 1.

Wall Wire Products Company, assignee: *See*—
Moorhead, John P.

Wallace, Alfred E., West Allis, Wis. Automatic stride control for artificial legs. 2,607,923, Aug. 26.

Wallace, Arlie M., administratrix: *See*—
Wallace, David G.

Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Synthetic mold composition. 2,586,585, Feb. 19.

Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Additive composition for sand molds and making same. 2,622,963, Dec. 23.

Wallace, Charles E., Jr., assignee: *See*—
Weathers, Maurice E.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrical cell apparatus for detecting chemical characteristics of liquids. 2,585,059, Feb. 12.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrical cell apparatus for testing liquids. 2,585,060, Feb. 12.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Flexible chamber pressure gauge. 2,603,973, July 22.

Wallace, Charles F., Westfield, and J. O. Kirwan, Bloomfield, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Absolute pressure controlling apparatus. 2,599,956, June 10.

Wallace, Daisy T., administratrix: *See*—
Wallace, Edward E.

Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Drive construction. 2,581,224, Jan. 1.

Wallace, David A., Grosse Pointe Farms, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,598,200, May 27.

Wallace, David A., Grosse Pointe Farms, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,598,625, May 27.

Wallace, David A., Grosse Pointe Farms, Mich. Hoisting apparatus. 2,613,914, Oct. 14.

Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for polishing continuous strip material. 2,621,445, Dec. 16.

Wallace, David A., Grosse Pointe Farms, Mich., and P. E. Wallace, Omaha, Nebr., assignors, by mesne assignments, to said D. A. Wallace. Structure. 2,590,588, Mar. 25.

Wallace, David G., deceased, Chicago, Ill.; A. M. Wallace, administratrix. Shaper for lathes. 2,601,813, July 1.

Wallace, De Loss D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydrotilt. 2,615,499, Oct. 28.

Wallace, De Loss D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bearing surface. 2,615,766, Oct. 28.

Wallace, Dewey I., Sr., Pasadena, Calif. Undergarment. 2,621,654, Dec. 16.

Wallace, Edward E., deceased, Cleveland Heights, Ohio; D. T. Wallace, administratrix of said E. E. Wallace. Hydraulic valve operating system for internal-combustion engines. 2,596,350, May 13.

Wallace, Frances N., executrix: *See*—
Wallace, Richard E., and Sykes.

Wallace, Frank C., North Hollywood, Calif. Retractable pen device. 2,587,935, Mar. 4.

Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Surgical drain. 2,618,271, Nov. 18.

Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Instrument for dilating and examining the esophagus. 2,621,651, Dec. 16.

Wallace, Harry S., Pecos, Tex. Center stripe spray bar. 2,616,760, Nov. 4.

Wallace, Harry W., Windsor, Ontario, Canada, assignor to Wheel Trueing Tool Company, Detroit, Mich. Drill bit. 2,593,229, Apr. 15.

Wallace, Henry J., Scarsdale, N. Y., assignor to United States Steel Company. Rolling mill. 2,595,910, May 6.

Wallace, James, Manchester, England, assignor to The National Cash Register Company, Dayton, Ohio. Totalizer actuator control mechanism. 2,614,749, Oct. 21.

Wallace, James E., Pittsburgh, Pa. Soil tilling device with retractable teeth. 2,616,347, Nov. 4.

Wallace, James M.: *See*—
McCollum, William, Jr., and Wallace.
Rawlins, Herbert L., and Wallace.

Wallace, James M., Braddock, Pa., assignor to Westinghouse Electric Corporation. Circuit interrupter. 2,584,764, Feb. 5.

Wallace, James M., Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,588,594, Mar. 11.

Wallace, James M., East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic reclosing circuit interrupter. 2,601,188, June 17.

Wallace, James M., East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reclosing circuit breaker. 2,611,053, Sept. 16.

Wallace, James M., Braddock, H. L. Rawlins, Swissvale, J. M. Cumming, and W. S. Aspey, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,622,165, Dec. 16.

Wallace, James M., Braddock, and H. L. Rawlins, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,622,166, Dec. 16.

Wallace, Lawrence W., and C. W. Kincaid, Cincinnati, Ohio. Vaporizer. 2,595,029, Apr. 29.

Wallace, Marcel, assignee: *See*—
Heller, Joseph I.
Hurvitz, Hyman.

Wallace, Marcel, assignor, by mesne assignments, of one-half to said Wallace doing business as Panoramic Laboratories, East Portchester, Conn. Variable selectivity panoramic system. 2,590,809, Mar. 25.

Wallace, Marcel, assignor, by mesne assignments, of one-half to said Wallace doing business as Panoramic Laboratories, East Port Chester, Conn. Altitude and distance recorder. 2,609,532, Sept. 2.

Wallace, Marcel, East Port Chester, assignor, by mesne assignments, of one-half to said Wallace doing business as Panoramic Laboratories, East Port Chester, Conn. Traffic control system. 2,623,208, Dec. 23.

Wallace, Marcel, Fairfield County, assignor, by mesne assignments, of one-half to said Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn. Navigational system. 2,585,605, Feb. 12.

Wallace, Marcel, Fairfield County, assignor, by mesne assignments, of one-half to M. Wallace doing business as Panoramic Laboratories, East Port Chester, Conn. Navigational system. 2,606,317, Aug. 5.

Wallace, Nancy K., Los Angeles, Calif. Clothespin holder of apron type. 2,592,087, Apr. 8.

Wallace, Paul E.: *See*—
Wallace, David A. and P. E.

Wallace, R. & Sons Manufacturing Company, assignee: *See*—
Hall, Rolland G., and Hill.

Wallace, Raymond C., Pawtucket, R. I. Cleaning tool for tubing fitting. 2,604,736, July 29.

Wallace, Richard A., Merion, Pa. Chuck. 2,591,389, Apr. 1.

Wallace, Richard E., deceased; by F. N. Wallace, executrix, and T. R. Sykes, assignors, by mesne assignments, to The Toronto Star Limited, Toronto, Ontario, Canada. Baling machine. 2,581,776, Jan. 8.

Wallace, Robert L., Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor trigger circuits. 2,620,448, Dec. 2.

Wallace, Rudolf N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller and spinner construction. 2,592,214, Apr. 8.

Wallace, Stanley, Des Plaines, Ill. Chemical container and package. 2,585,289, Feb. 12.

Wallace Supplies Manufacturing Co., assignee: *See*—
De Witt, Edward J.

Wallace, Thomas C., Ventura, Calif. Engine control mechanism. 2,606,542, Aug. 12.

Wallace & Tiernan Co. Inc., assignee: *See*—
Conkling, William C.

Wallace & Tiernan Limited, assignee: *See*—
Whitlock, Ernest A.

Wallace & Tiernan Products, Inc., assignee: *See*—
Hall, James E., and Heiss.
Kirwan, John O.
Marks, Henry C.
Marks, Henry C., and Horchler.
Marks, Henry C., and Strandskov.
Wallace, Charles F.
Wallace, Charles F., and Kirwan.

Wallace, Walter L., Niagara Falls, and N. P. Roble, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Making bonded articles and composition therefor. 2,580,708, Jan. 1.

Wallace, William E.: *See*—
Williams, William W., and Wallace.

Wallace, William E., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Bis[2 - diethanolamino - 4 - p - anisidino - 1,3,5 - triazyl-(6) -] - 4,4' - diaminostilbene - 2,2' - disulfonic acid. 2,595,030, Apr. 29.

Wallace, Wilmer T., and J. E. Coonley, Hampton, Iowa. Condition indicator for electric fuses. 2,623,099, Dec. 23.

Wallauschek, Richard, Marly Le Roi, France. Traveling wave amplifier tube. 2,611,101, Sept. 16.

Wallden, Sven J.: *See*—
Kalling, Bo M. S., Sundgren-Wallden, Wallden, and Sivander.

Wallen, Horace F., San Diego, Calif. Precision measuring instrument. 2,580,865, Jan. 1.

Wallenhorst, Richard G., Glendale, N. Y. Clip retaining means for Garand rifles. 2,594,237, Apr. 22.

Wallenius, Tuomo J. H., Tampere, Finland. Fixture for cameras or other similar apparatus. 2,589,520, Mar. 18.

Waller, Bernard R., assignee: *See*—
Young, Henry E., and Farnham.

Waller, Cecil, and H. O. Dickinson, assignors to Ilford Limited, Ilford, England. Light-sensitive photographic element and process using it. 2,609,292, Sept. 2.

Waller, Cecil, and H. O. Dickinson, assignors to Ilford Limited, Ilford, England. Light-sensitive photographic element and process using it. 2,622,025, Dec. 16.

Waller, Coy W.: *See*—
Goldman, Angela A., and Waller.
Mowat, John H., and Waller.

Waller, Coy W., and J. H. Mowat, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Pteroic acids and preparing same. 2,598,667, June 3.

Waller, Coy W., and J. H. Mowat, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing dihydropterins. 2,601,215, June 17.

Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, N. Y. Panoramic camera with stationary film. 2,596,746, May 13.

Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, N. Y. Motion-picture apparatus with pneumatic pulldown for films. 2,601,347, June 24.

Waller, Fred, and R. C. Babish, Huntington, assignors to The Vitarama Corporation, Huntington Station, N. Y. Parallax correction for multilens cameras. 2,583,030, Jan. 22.

Waller, Fred, and R. C. Babish, Huntington, assignors to The Vitarama Corporation, Huntington Station, N. Y. Diaphragm control for multilens cameras. 2,598,731, June 3.

Waller, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Sound reproduction accompanied by pictures. 2,606,476, Aug. 12.

Waller, Fred, and R. C. Babish, Huntington, assignors to The Vitarama Corporation, Hunginton Station, N. Y. Apparatus for projecting matched mosaic picture images. 2,610,544, Sept. 16.

Waller, James H. D., London, assignor of one-half to Bowen-Colthurst & Partners Limited, Colchester, England. Molding in situ concrete arched structures. 2,616,149, Nov. 4.

Waller, Joseph B., assignee: *See*—
Middlestadt, Fred J.

Waller, Robert H., Nashville, Tenn. Check protector. 2,596,059, May 6.

Waller, Robert H., Nashville, Tenn. Can opener. 2,607,111, Aug. 19.

Waller, Vern L., Tacoma, Wash. Engine performance indicator. 2,607,314, Aug. 19.

Wallerius, John, Glen Ellyn, assignor to Sunbeam Corporation, Chicago, Ill. Heat-treating furnace. 2,619,341, Nov. 25.

Wallerowitz, John, Marion, Ill. Display device for merchandise. 2,584,947, Feb. 5.

Wallerstein Company, assignee: *See*—
Stone, Irwin.

Wallerstein Company, Inc., assignee: *See*—
Gray, Philip P.
Wallerstein, Leo, and Gray.

Wallerstein, Leo, New York, and P. P. Gray, Forest Hills, assignors to Wallerstein Company, Inc., New York, N. Y. Production of dextrose. 2,583,451, Jan. 22.

Walley, James A., Fort Wayne, Ind., assignor to General Electric Company. Motor control system. 2,591,390, Apr. 1.

Walley, John, and J. A. Johnson, Stoke-on-Trent, England. Towing clayware. 2,612,729, Oct. 7.

Walley, Omar C., Cleveland, and C. F. Scheu, Lakewood, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electrical regulator. 2,590,223, Mar. 25.

Wallgren, August G. F., Stockholm, Sweden. Double row roller bearing. 2,586,406, Feb. 19.

Wallgren, August G. F., Stockholm, Sweden. Double row roller bearing. 2,615,767, Oct. 28.

Wallgren, August G. F., Stockholm, Sweden. Double row roller bearing. 2,622,947, Dec. 23.

Wallich, Fred R., Los Angeles, Calif. Making combined stencil and inking pads. 2,581,153, Jan. 1.

Wallin, Charles M., and T. W. Frazier, Louisville, Ky. Sparkling barber pole. 2,615,266, Oct. 28.

Wallin, Dagmar G., assignee: *See*—
Petersen, Carl E.

Wallin, Fred E.: *See*—
Adams, Clifford B., and Wallin.

Wallin, Fred E., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Coin changer. 2,581,502, Jan. 8.

Wallin, Fred E., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Electric multiple coin evaluator. 2,586,129, Feb. 19.

Wallin, Gus W., assignor to Motorola, Inc., Chicago, Ill. Tuning system. Re. 23,605, Dec. 23.

Walling, Edgar A., Keego Harbor, Mich. Ice cream scoop. 2,621,614, Dec. 16.

Walling, Joseph M., St. Louis, Mo. Hydrostatic pressure testing device for bottles and the like. 2,592,984, Apr. 15.

Wallingford, Vernon H., Ferguson, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Iodinated 2-acylamino benzoyl derivatives of amino acids. 2,587,936, Mar. 4.

Wallingford, Vernon H., Ferguson, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. 3-carboxylic acylamino-2,4,6-triiodo benzoic acids and the ethyl ester and nontoxic salts. 2,611,786, Sept. 23.

Wallis, Cyril T., Brockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Shaft gauge. 2,591,895, Apr. 8.

Wallis, Grover, assignor of one-half to G. Miles, Fort Worth, Tex. Fire hose samson. 2,599,958, June 10.

Wallis, John S.: *See*—
Throckmorton, John W., and Wallis.

Wallis, Preston M., Jr., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Flatiron support. 2,584,071, Jan. 29.

Wallmannsberger, Georg, Salzburg, Austria. Passenger cable railway for endless-rope operation. 2,608,161, Aug. 26.

Wallmark, John T., Princeton, N. J., assignor to Radio Corporation of America. Power supply circuit for multiplier vacuum tubes. 2,589,173, Mar. 11.

Walls, Daniel W., Binghamton, N. Y. Colostomy appliance. 2,583,718, Jan. 29.

Walls, Edward L., Jr.: *See*—
Cosgriff, Robert L., and Walls.

Walls, Frederick M., Sun Valley, assignor, by mesne assignments, to R. T. Schmitz, Altadena, Calif. Oil and oil filter condition indicator. 2,611,448, Sept. 23.

Walls, John H.: *See*—
Young, George, Laing, and Walls.

Walls, Leslie P., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 3 - amino - 10 - methyl - 9 - p - carbalkoxyaminophenyl phenanthridinium salts and their production. 2,602,797, July 8.

Walls, Leslie P., and N. Whittaker, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 2,7-diamino-9-(aminophenyl) phenanthridinium salts. 2,594,265, Apr. 22.

Walls, Leslie P., and N. Whittaker, London, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Quaternary salts of 2,7-diamino-9-alpha-thienyl-phenanthridine. 2,616,892, Nov. 4.

Walls, Paul: *See*—
Cook, Norbert F., and Walls.

Wallsgrove, Eric R.: *See*—
Carpenter, Albert S., Reeder, and Wallsgrove.
Carpenter, Albert S., and Wallsgrove.

Walmsley, Leslie L., Ridley Park, assignor to American Viscose Corporation, Philadelphia, Pa. Apparatus for handling tricot fabrics. 2,613,521, Oct. 14.

Walmsley, Thomas, Ealing, London, and R. C. Leigh, assignors to British Telecommunications Research Limited, Taplow, England. Signal transmission system. 2,581,056, Jan. 1.

Walmsleys (Bury) Limited, assignee: *See*—
Temperley, John.

Walrafen, Gerald W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for working plastic material. 2,592,985, Apr. 15.

Walrath, Lulela M., Houston, Tex. Magnifier and bookstand. 2,604,009, July 22.

Walrath, Raymond L., Laurelton, N. Y. Windmill toy. 2,586,189, Feb. 19.

Walraven, George M., and R. G. Knudsen, assignors to Snap-On Tools Corporation, Kenosha, Wis. Ratchet control mechanism. 2,583,617, Jan. 29.

Wairaven, George M., and R. G. Knudsen, assignors to Snap-on Tools Corporation, Kenosha, Wis. Adjustable and reversible stud removers and resetters. 2,613,564, Oct. 14.

Walsh, Clark F., Nashua, Iowa. Device for spreading agricultural chemicals. 2,610,076, Sept. 9.

Walsh, Conrad L., and B. A. Adams, assignors to A. S. P. Chemical Company Limited, Bulstrode, Gerrards Cross, England. Extraction of pectic substances from vegetable matter. 2,586,407, Feb. 19.

Walsh, David C., Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Starting up low-temperature isoolefin polymerization. 2,580,490, Jan. 1.

Walsh, David C., Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovery of high-molecular weight polymers from hydrocarbon solutions. 2,581,155, Jan. 1.

Walsh, David C., Jr., and H. G. Schutze, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Tertiary-butyl halide promoters in Friedel-Crafts catalyzed olefin polymerizations. 2,581,154, Jan. 1.

Walsh, David H., Albany, N. Y. Hinge. 2,591,984, Apr. 8.

Walsh, Edward C., Oak Ridge, Tenn., assignor to Flakice Corporation, Brooklyn, N. Y. Ice-making machine. 2,613,511, Oct. 14.

Walsh, Harold G., assignor to Walsh Specialty Company, Inc., Lima, Ohio. Assembling a plurality of flat articles. 2,598,472, May 27.

Walsh, John E., Beverly, and C. W. Greene, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Gun loading mechanism. 2,591,896, Apr. 8.

Walsh, Kenneth A.: *See*—
Wilhelm, Harley A., and Walsh.

Walsh, Michael E., Des Moines, Iowa. Fishing lure. 2,591,391, Apr. 1.

Walsh, Philip J., San Francisco, Calif. Gravity meter. 2,590,740, Mar. 25.

Walsh, Philip J., San Francisco, Calif. Magnetic trigger system. 2,603,771, July 15.

Walsh, Philip J., San Francisco, Calif. Multivibrator and impulse generator. 2,611,890, Sept. 23.

Walsh, Ralph W., Westminster, Calif. Wick type device for exposing liquids to the atmosphere. 2,616,759, Nov. 4.

Walsh, Richard B., Spooner, Wis., and R. J. Sims, St. Paul, Minn. Milk can cover. 2,613,014, Oct. 7.

Walsh, Richard T.: *See*—
Alexander, George, and Walsh.

Walsh, Robert, and J. D. Kennedy, Wilmington, Del., assignors to American Car and Foundry Company, New York, N. Y. Coupler. 2,601,928, July 1.

Walsh, Samuel R., South Attleboro, Mass., assignor to H & B American Machine Company. Drawing mechanism for textile fibers. 2,582,213, Jan. 8.

Walsh Specialty Company, Inc., assignee: *See*—
Walsh, Harold G.

Walsh, Thomas F., South Lancaster, Mass. Paddle ball device. 2,622,880, Dec. 23.

Walsh, Thomas G., San Fernando, Calif., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,597,209, May 20.

Walsh, Vern G., Fredericksburg, Va. Gun repair tool. 2,620,012, Dec. 2.

Walsh, William J., Lemay, Mo. Shoe heel. 2,600,819, June 17.

Walsh, William R., East Orange, N. J. Toy rocket bomb. 2,588,184, Mar. 4.

Walsky, Frank E.: *See*—
Sigler, Doris, and Walsky.

Walter, Albert H., Brooklyn, A. N. Florence, New York, and R. H. Lendh, Bronx, N. Y.; said Florence and said Lendh assignors to said Walter. Paper dispensing pencil. 2,601,650, June 24.

Walter, Andrew T., South Charleston, and G. H. Fremon, Charleston, W. Va., assignors to Union Carbide and Carbon Corporation. Production of solutions of acrylonitrile copolymers and textiles made therefrom. 2,603,620, July 15.

Walter, Andrew T., and B. A. Price, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Water-soluble multifilament yarn and making it. 2,609,569, Sept. 9.

Walter, Carl W.: *See*—
Turenne, Wilfred J., and Walter.

Walter, Chesley M., assignee: *See*—
Granberg, Albert J.

Walter, George L., Los Angeles, Calif. Trouser hanger. 2,594,602, Apr. 29.

Walter, Gustave, Jersey City, N. J. Clutch and brake for marine reverse gears. 2,587,015, Feb. 26.

Walter, Henry A.: *See*—
Park, Harold F., and Walter.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Pinacolone peroxide. 2,591,645, Apr. 1.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Swivel pin mounting for planer aprons. 2,583,501, Jan. 22.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Lubricant pump for machine tools. 2,588,676, Mar. 11.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool slide bearing. 2,593,230, Apr. 15.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool control. 2,599,679, June 10.

Walter, Jules G.: *See*—
Cohn, Samuel, and Walter.
Cohn, Samuel, Walter, and Cohn.

Walter, Jules G., Ridgewood, assignor to Samcoe Holding Corporation, New York, N. Y. Fluid power conversion apparatus. 2,612,873, Oct. 7.

Walter, Jules G., and S. Cohn, assignors to Samcoe Holding Corporation, New York, N. Y. Tubular knitted fabric. 2,583,757, Jan. 29.

Walter, Orren J., Cheyenne, Wyo. Tank ball guide. 2,613,366, Oct. 14.

Walter, Richard S., Sisters, Oreg. Hose nozzle recoil eliminating coupling. 2,602,701, July 8.

Walter, Theodore R., Oberlin, Ohio. Electrical paint remover. 2,588,185, Mar. 4.

Walters, Charles L., Prague, Okla. Automatic carriage puller for case balers. 2,593,636, Apr. 22.

Walters, Charles R., Normandy, Mo. Clothesline tightener. 2,597,210, May 20.

Walters, Edward Z.: *See*—
Heyer, Eric H., and Walters.

Walters, Emmett L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for washing glass sheets. 2,619,098, Nov. 25.

Walters, Gustav, Middletown, and H. C. Morton, Branford, assignors to The Russell Manufacturing Company, Middletown, Conn. Brake lining and making the same. 2,584,825, Feb. 5.

Walters, John F., Battle Creek, and E. C. Fisher, Mattawan, Mich. Can opening and spout forming device. 2,620,557, Dec. 9.

Walters, King W., Paradise, Calif. Digging machine. 2,622,351, Dec. 23.

Walters, Leonard J.: *See*—
Douglas, Alvin P., and Walters.

Walters, Lewis, New York, N. Y. Water bottle holder for tape dispensing machines. 2,580,624, Jan. 1.

Walters, Robert E., assignor to Allen-Bradley Company, Milwaukee, Wis. Automatic starting electrical control circuit for engine driven electric power generators. 2,611,877, Sept. 23.

Walters, William, assignee: *See*—
West, Arthur E.

Walters, William D.: *See*—
Hilborn, Howard D., and Walters.

Walters, William M., Jr., Eleanor, and W. J. Sampson, Nitro, W. Va. Utility garden tool. 2,593,944, Apr. 22.

Waltersdorf, Felix S., Bridgeport, R. W. Scott, Milford, Conn., and F. T. Grothouse, South Euclid, Ohio, assignors to General Electric Company. Electrical wiring panel. 2,613,306, Oct. 7.

Walthers, Earle R., Schenectady, N. Y., assignor to General Electric Company. Two-stage hydraulic amplifier. 2,582,088, Jan. 8.

Walthers, Earle R., Schenectady, N. Y., assignor to General Electric Company. Two-stage hydraulic control valve. 2,600,348, June 10.

Walthour, John J., assignee: *See*—
Swift, John W.
Waltke, Edwin H., Jr., Los Angeles, Calif. Barrel construction for firearms. 2,587,937, Mar. 4.
Walton Company, The, assignee: *See*—
Manning, Chauncey P.
Walton, George, Cincinnati, Ohio. Cold process transfer coating compositions. 2,598,332, May 27.
Walton, George P.: *See*—
Webb, Byron H., and Walton.
Walton, George W., Dallas, Tex. Pump liner. 2,584,518, Feb. 5.
Walton, Gordon H. F., assignor to "Diamond H" Switches Limited, London, England. Thermostatic control system for ovens. 2,611,850, Sept. 23.
Walton, Howard T.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.
Walton, Lewis E.: *See*—
Urschel, Joe R., and Walton.
Walton, Richard K., Montclair, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alkali resistant alkylene polyamine modified phenol-formaldehyde resin. 2,585,196, Feb. 12.
Walton, Richard K., Montclair, N. J., assignor to Union Carbide and Carbon Corporation. Oil-free wrinkle finish coating. 2,585,197, Feb. 12.
Walton, Richard R., United States Army, Washington, D. C. Combined garment form and hanger. 2,584,218, Feb. 5.
Walton, Richard R., United States Army, Washington, D. C. Combined garment form and hanger. 2,617,566, Nov. 11.
Walton, Robert B., Rahway, and H. B. Woodruff, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Mycosubtilin and its production. 2,602,767, July 8.
Walton, Robert O., assignor to Merla Tool Corporation, Dallas, Tex. Well flow device. 2,594,831, Apr. 29.
Walton, Venola, New York, N. Y. Combined clothes hanger and compartment holder. 2,601,074, June 17.
Walton, Warren L., Schenectady, N. Y., assignor to General Electric Company. Preparation of chloropolysilanes. 2,602,728, July 8.
Walton, William T., and W. C. Spitzer, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Stabilized ready mixed aluminum coating composition. 2,591,646, Apr. 1.
Walton, William T., Chicago, Ill., and A. B. Holton, Bay Village, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Powdered pigment compositions. 2,613,158, Oct. 7.
Walton, William T., Chicago, Ill., and A. B. Holton, Bay Village, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Powdered pigment compositions. 2,613,159, Oct. 7.
Walton, William T., Chicago, Ill., and A. B. Holton, Bay Village, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Powdered pigment compositions. 2,613,160, Oct. 7.
Walton, Wilson W., Oak Ridge, Tenn., and R. C. Bowers, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Flow control. 2,610,300, Sept. 9.
Waltz, Charles A., assignor of one-half to H. A. Huff, Normal, Ill. Fishing rod holder. 2,580,625, Jan. 1.
Waltz, Charles A., assignor of fifty per cent to H. A. Huff, Normal, Ill. Fishing rod stand. 2,622,829, Dec. 23.
Waltz, Ernest H.: *See*—
Fraizer, Frank L., and Waltz.
Waltz, Maynard C.: *See*—
Kuper, James B. H., and Waltz.
Walworth Company, assignee: *See*—
Morehead, French H.
Walz, Claude W., Rock Island, and H. F. Clausen, assignors to Deere & Company, Moline, Ill. Seeder drive arrangement. 2,596,060, May 6.
Wampler, Edmund E., Trafford, Pa. Towing harness. 2,592,771, Apr. 15.
Wanamaker, Seth, Ramsey, N. J. Strainer assembling device. 2,602,356, July 8.
Wanamaker, Seth, Ramsey, N. J. Toilet tank fitting holding tool. 2,611,949, Sept. 30.
Wanamaker, Seth, Ramsey, N. J. Spanner wrench with axial lugs. 2,619,861, Dec. 2.
Wandel, Kurt, Honey Brook, Pa. Apparatus for subjecting materials to a disintegrating or pulping treatment. 2,592,215, Apr. 8.
Wandel, Oscar A., assignor to H. A. Torstenson, Chicago, Ill. Shock absorbing means for spring actuated tacking devices. 2,593,231, Apr. 15.
Wander, Dr. A., A.-G., assignee: *See*—
Hirt, Rudolf.
Wander Company, The, assignee: *See*—
Bruce, Roy A., and Haman.
Wanderer, Kenneth H., Chicago, Ill., L. A. Hays, Jr., Hammond, and R. B. Selund, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Propane dewaxing chilling procedure. 2,614,065, Oct. 14.
Wandrey, Clarence W., Wheaton, Ill., assignor to Zenith Radio Corporation. Driving mechanism for push-button tuners. 2,612,782, Oct. 7.
Wandrus, Harry, Milwaukee, Wis. Ammunition cartridge gauge. 2,585,521, Feb. 12.
Wandy, Joseph, Hartford, Conn. Self-locking connecting means. 2,601,651, June 24.
Wang, Eric H., Cincinnati, Ohio. Device for generating arcs or the like. 2,600,591, June 17.
Wangelin, Donald A., Rock Island, assignor to Deere & Company, Moline, Ill. Machine for forming teeth for peg tooth harrows. 2,612,063, Sept. 30.
Wangeman, Robert A., Sheboygan, Wis. Pie dough trimmer and sealer. 2,598,626, May 27.
Wanish, George G., Cortland, N. Y. Corset. 2,595,031, Apr. 29.
Wankat, Charles, Brookfield, and F. J. Gervais, La Grange, assignors to Universal Oil Products Company, Chicago, Ill. Bearing and seal device for stirrer shafts. 2,622,943, Dec. 23.
Wanke, Clifford J., Janesville, Wis. Drip pan for flush tanks. 2,599,502, June 3.
Wanless, Ivan J., Chevy Chase, Md., assignor of one-fifth to S. B. Wiczer, Washington, D. C. Portable pier. 2,592,626, Apr. 15.
Wannamaker, William H., Jr., Flourtown, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Oscillator controlled measuring and controlling apparatus. 2,615,151, Oct. 21.
Wannamaker, William H., Jr., Flourtown, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring apparatus. 2,616,296, Nov. 4.
Wannamaker, William H., Jr., Flourtown, Pa., and D. P. Eckman, Ithaca, N. Y., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric proportioning controller with pneumatic reset. 2,592,088, Apr. 8.
Wännström, Gösta, assignee: *See*—
Tannersjö, Nils L.
Wappner, Ralph C., assignor to The Ohio Thermometer Co., Inc., Springfield, Ohio. Producing a thermometer having a scale fired thereon. 2,622,443, Dec. 23.
War, United States of America as represented by the Secretary of, assignee: *See*—
Africano, Alfred.
Aiken, William H., and James.
Alford, Andrew.
Anger, Hal O.
Banõs, Alfredo, Jr.
Bell, Persa R., Jr.
Bell, Persa R., Jr., and Gale.
Berger, France B.
Bess, Leon.
Borland, Eileen E., Hobart, Nawrocki, and Neher.
Bradford, Eliot B., Africano, and Hickman.
Brunetti, Cledo.
Bryant, Eugene E.
Chance, Britton, and Fredrick.
Chu, Lan J., and Smith.
Clarke, Richard G., Derbyshire, Edwards, and Shore.
Cleveland, Charles H.
Clogston, Albert M.
Cohn, Seymour B., and Early.
Cole, Addison D.
Coleman, Joseph E.
Coleman, Paul D.
Cook, Jackson H.
Cork, Bruce B.
Corson, Dale R., and Schultz.
Dalke, John L.
Darmody, William J.
Dicke, Robert H.
Dodd, Charles G.
Early, Harold C.
Ehrenfried, Albert D.
Emslie, Alfred G.
Epler, Robin B., and Woodberry.
Everett, Franklin L.
Fano, Roberto M.
Fieser, Louis F.
Fill, John V.
Fox, Benjamin.
Garand, John C.
Gardner, John H.
Gray, John W.
Grimm, Henry H.
Guthrie, George B., Jr.
Haminar, Gustaf W.
Harvey, Earle M.
Haworth, Leland J., and Purcell.
Hershberg, Emanuel B., and Coburn.
Hickman, Clarence N.
Higinbotham, William A.
Hodges, Howard T.
Hollenberg, Arthur V.
Hollingsworth, Lowell M.
Hollywood, John M.
Hopkins, Edward W.
Hulsizer, Robert I., Jr.
Irby, James W., and Johannesburg.
Irvin, Jack H.
Jacobsen, Andrew B.
Jarmots, Paul.
Johnston, Lawrence H.
Jones, Clarence W.
Jones, Edward M.
Katz, Sidney H.

War, United States of America as represented by the Secretary of, assignee: *See*—Continued.
Keuffel, Jack W.
Kharasch, Morris S., and Weinhouse.
Kistiakowsky, George B., MacDougall, Eyster, and Weltman.
Kraus, John D.
Krutter, Harry.
Kunz, William R.
Kuper, James B. H., and Waltz.
Larson, Roland W.
Lawson, James L.
Lee, Richard W.
Lipkin, Harry J.
Longacre, Andrew and Pollard.
Longmire, Conrad L.
Longmire, Conrad L., and Sudman.
Lukens, Hiram S.
MacNichol, Edward F., Jr.
Macy, Rudolph, Harris, and Eastes.
Marchetti, John W.
Mark, Jacob G.
McConnell, Robert A.
McCouch, Gordon P.
McCouch, Gordon P., and Reynolds.
McKendry, John K.
McMillan, Edward B., and Redheffer.
Meier, Allen S., and Coleman.
Mlynczak, Lawrence L.
Monro, Randolph, Brown, Hinkamp, and Parduhn.
Montgomery, Carol G.
Moon, Robert J.
Moore, Cyril A.
Moore, James R.
Mosher, Richard K.
Murray, Peter R., and Bright.
Neher, Henry V.
Orpin, Lionel H.
Otis, Eleanor G., and Salisbury.
Overacker, Horace E.
Park, David A.
Pease, Marshall C.
Pease, Marshall C., and Record.
Pike, Peuhring W.
Pound, Robert V.
Proctor, Warren G.
Rabinow, Jacob.
Reinecke, Jean O.
Rigby, George W.
Rockwell, Paul O., and Goshorn.
Rogers, Job R.
Sagalyn, Paul L.
Sager, Irving.
Saunders, Norman B.
Schiff, Sigmund.
Schneider, Edwin G.
Shapiro, Gustave.
Sherwin, Chalmers W., and Johnston.
Sichak, William.
Silliman, Robert M.
Simpson, Clarence E.
Skinner, Leslie A.
Smullin, Louis D.
Sonkin, Simon.
Spaulding, Carl P.
Stanton, Russell S.
Stevenson, Reston.
Stodola, Edwin K.
Todd, William.
Van Atta, Lester C.
Vitter, Albert L., Jr.
Weiss, Herbert K.
Williams, Everard M., and Gardner.
Wilzbach, Kenneth E.
Winter, David F.
Witzky, Julius E., Lang, and Jakob.
Young, Donald R.
Warburton, Dick M., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Separating metal halides. 2,594,370, Apr. 29.
Warburton, Ray W., Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,589,463, Mar. 18.
Warburton, Ray W., Medfield, and F. W. Morley, Westwood, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,604,184, July 22.
Warchalowski, Boleslaw, Amsterdam, assignor of forty-five per cent to T. Lorenc, Herkimer, N. Y. Airplane with auxiliary lift means. 2,590,589, Mar. 25.
Warcup, Frederick J., Nyack, N. Y. Automatic cleaner solution supply for beer distributing systems. 2,591,985, Apr. 8.
Warcup, Frederick J., Nyack, N. Y. Fluid pressure operated multiway valve. 2,619,119, Nov. 25.
Ward, Alan E., Chicago, Ill. Towing mast for trucks. 2,596,629, May 13.
Ward, Alfred H., Pittsburgh, Pa., assignor to United States Steel Company. Continuously processing ferrous strip or sheet material. 2,588,439, Mar. 11.
Ward, Arthur J., Washington, D. C. Pressure vessel closure. 2,592,627, Apr. 15.
Ward, Bernard H., Atwater, Ohio. Rotary seed disk with peripheral pockets protected by a flexible cover engaging said pockets. 2,605,023, July 29.
Ward Blenkinsop & Company Limited, assignee: *See*—
Dickenson, Haydn G., Chapman, and Hopf.
Hopf, Peter P., and Hey.
Ward Canning Company, assignee: *See*—
Ward, John W.
Ward, Leila B. S.
Ward, Charles F., Narberth, assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Apparatus for measurement and control. 2,612,902, Oct. 7.
Ward, Delbert J., Burbank, Calif. Motor analyzer. 2,600,088, June 10.
Ward, Delbert J., Sherman Oaks, Calif. Device for sorting comestibles. 2,623,635, Dec. 30.
Ward, Derrick A.: *See*—
Warner, Arthur R., and Ward.
Ward, Florence M., Pasadena, Calif. Mold for making figurines. 2,607,978, Aug. 26.
Ward, Frank, Braintree, and E. E. Tallis, Coventry, assignors to Courtaulds Limited, London, England. Water soluble cellulosic yarn produced by reacting cellulose, sulphuric acid, cyanamide, and a metal sulfate. 2,603,551, July 15.
Ward, George C.: *See*—
Haggerty, William T., Jr., and Ward.
Ward, George C., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Apparatus for treating fabrics. 2,604,772, July 29.
Ward, George C., Cumberland, Md., assignor to Celanese Corporation of America. Staple fiber mixture and preparation of spun yarn therefrom. 2,607,980, Aug. 26.
Ward, George C., and W. T. Haggerty, Jr., Cumberland, Md., assignors to Celanese Corporation of America. Vat dye pigment pad process for cellulose ester textiles using a water-miscible organic swelling agent in the alkaline hydrosulfite reducing bath. 2,620,257, Dec. 2.
Ward, Harold, Wilmslow, England, assignor, by mesne assignments, to Calmic Inc., New York, N. Y. Apparatus for deodorizing the atmosphere. 2,623,217, Dec. 30.
Ward Heater Company, assignee: *See*—
Simmons, Oscar N., and Van Zandt.
Ward, Herbert K., Birmingham, assignor to Parker Rust Proof Company, Detroit, Mich. Method of and solution for coating surfaces chiefly of zinc. 2,591,479, Apr. 1.
Ward, Irving A.: *See*—
Bletcher, Ralph E., Bentley, and Ward.
Ward, James I., assignor to May and Scofield, Howell, Mich. Clip. 2,599,303, June 3.
Ward, John W., assignor to Ward Canning Company, Vernon, N. Y. Automatic steering device for bean picking machines. 2,610,562, Sept. 16.
Ward, Juanita M., Marion, and C. A. Sutphin, Jonesboro, Ind. Shoulder protector and garment strap holder. 2,589,755, Mar. 18.
Ward, Kyle, Jr., and C. M. Conrad, New Orleans, and L. Segal, Metairie, La., assignors to the United States of America as represented by the Secretary of Agriculture. Reducing the crystallinity of native fibrous cellulosic material. 2,580,491, Jan. 1.
Ward, Lawrence T., assignor to Prel Incorporated, East Orange, N. J. Cartridge for pressure dispensing devices. 2,613,849, Oct. 14.
Ward, Leila B. S., assignor to Ward Canning Company, Vernon, N. Y. Bean picker. 2,587,553, Feb. 26.
Ward Leonard Electric Company, assignee: *See*—
Ganci, Charles J.
Scheib, John, Jr.
Ward Machine Company, Inc., assignee: *See*—
Arey, Ralph G.
Ward, Mark, Opportunity, Wash. Smoking pipe. 2,593,819, Apr. 22.
Ward, Mark, Spokane, Wash. Washing device for artificial dentures. 2,609,828, Sept. 9.
Ward, Maxine D., Spearfish, S. Dak. Dental cabinet. 2,608,294, Aug. 26.
Ward, Michael J., Detroit, Mich. Burner for liquid fuels. 2,586,493, Feb. 19.
Ward, Newton E., Cambridge, Mass., R. W. Mayer, Schenectady, N. Y., and W. Mersman, Davis, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High performance amplidyne servomechanism. 2,605,451, July 29.
Ward, Richard A.: *See*—
Switzer, Joseph L., and Ward.
Ward, Robert, and J. Ridley, Birmingham, England. Mechanical handling truck. 2,596,747, May 13.
Ward, Robert I., Itasca, Ill. Differential protective relaying system. 2,594,371, Apr. 29.
Ward, Robert N.: *See*—
Sadgebury, Herman F., and Ward.
Ward, Terence: *See*—
Williams, James H., and Ward.
Ward, Terence, West Wickham, and J. H. Williams, Edgware, England, assignors to Imperial Chemical Industries Limited. Molding compositions containing two-stage phenol-aldehyde resins and an alkaline earth metal borate. 2,606,889, Aug. 12.
Ward, Warren F., Dallas, Tex. Sucker rod guide. 2,604,364, July 22.

Ward, Wendell L.: *See*—
Busby, Hibbard S., and Ward.
Ward, William D., Decatur, Ill. Stop-carrying plate for recording machines. 2,608,347, Aug. 26.
Ward, William J., Philadelphia, Pa. Automatic electric time control. 2,594,103, Apr. 22.
Wardell, Harry A., assignee: *See*—
Moore, Earl W.
Wardell-Moore Machine Company, assignee: *See*—
Moore, Earl W.
Warden, Frederick W.: *See*—
McWhirter, Eric M. S., and Warden.
Warden, John F.: *See*—
McGraw, Roy E., and Warden.
Wardius, Walter A., Milwaukee, Wis. Safety attachment for outboard motors. 2,592,772, Apr. 15.
Ware, Cecil, Houston, Tex. Acidizing packer. 2,585,706, Feb. 12.
Ware, Paul, Pompton Plains, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Spiral tuning dial. 2,605,735, Aug. 5.
Ware, Richard N., Jr., and R. Cannon, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Producing paper-covered wood veneer. 2,593,708, Apr. 22.
Ware, Richard N., Jr., and R. Cannon, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Veneer handling apparatus. 2,593,709, Apr. 22.
Ware, Thomas H., Palmerston North, New Zealand. Fastening means for tail gates and the like. 2,621,064, Dec. 9.
Wargo, John J., Locust Valley, N. Y. Television antenna. 2,589,174, Mar. 11.
Warhol, Peter, Minneapolis, assignor, by mesne assignments, to Midland Engineering Company, St. Paul, Minn. Screen. 2,604,989, July 29.
Waring, Carol, Long Island City, N. Y. Separable two-piece hat. 2,604,630, July 29.
Waring, Frederick W., Glenbrook, Conn. Antifriction load-supporting device. 2,620,913, Dec. 9.
Waring, Robert K., L. D. Fetterolf, and T. L. Hurst, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc smelting. 2,598,743, June 3.
Warinner, Warren D., and E. H. Conroy, College Park, Ga., assignors to Tennessee Corporation, New York, N. Y. Production of zinc oxysulfate. 2,602,727, July 8.
Wark, Robert, Irvine, Scotland, assignor to Imperial Chemical Industries Limited. Self-combustible solid charge operated engine starter. 2,590,432, Mar. 25.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objective. 2,614,461, Oct. 21.
Warne, Edward H.: *See*—
Otto, Paul F., and Warne.
Warne, Frederick C., Galveston, Tex., assignor to Farm Tools, Inc., Mansfield, Ohio. Reversible rotary implement. 2,617,343, Nov. 11.
Warnecke, Robert, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil. Generator of ultra-short electromagnetic waves. 2,591,322, Apr. 1.
Warner Aircraft Corporation, The, assignee: *See*—
Majneri, Ludwig A.
Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Sprag type clutch. 2,599,793, June 10.
Warner, Arthur R., London, and D. A. Ward, Beddington, England. Electric oscillation generator. 2,598,473, May 27.
Warner Brothers Company, The, assignee: *See*—
Phillips, Stanley H.
Warner Bros. Pictures, Inc., assignee: *See*—
Tondreau, Albert W.
Wissmann, Joseph T.
Warner, Charles W.: *See*—
Schmidt, Edwin X., and Warner.
Warner, Donald S.: *See*—
Morrill, Frank B., and Warner.
Warner, Donald T.: *See*—
Moe, Owen A., and Warner.
Opie, Joseph W., Warner, and Moe.
Terry, David E., and Warner.
Warner, Douglas K., Sarasota, Fla. Boat propulsion device. 2,584,766, Feb. 5.
Warner, Edgar, Middletown, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Wiping blade for coating devices. 2,598,733, June 3.
Warner, Edmund A., Euclid, assignor to The Lake Erie Chemical Company, Cleveland, Ohio. Multicolored manual signal light. 2,611,019, Sept. 19.
Warner Electric Brake & Clutch Company, assignee: *See*—
Mason, James A.
Warner, Frederick J., Mansfield, England. Door operator. 2,593,710, Apr. 22.
Warner, Helen M., assignee: *See*—
Otis, Nelson G.
Warner, Homer C., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gearing and locking means. 2,620,698, Dec. 9.
Warner, Jesse J., Los Angeles, Calif. Phonograph having speaker pickup unit. 2,598,026, May 27.
Warner, Paul F., Borger, Tex., assignor to Phillips Petroleum Company. Manufacture of mercaptans. 2,592,089, Apr. 8.
Warner, Robert W.: *See*—
Gottschalk, Roland A., and Warner.
Warner, Roland O., Chicago, Ill., assignor to Hotpoint Inc. Switching apparatus for electric cooking appliances. 2,613,289, Oct. 7.
Warner, Russell A., Schenectady, N. Y., assignor to General Electric Company. Hall effect alternating current volt-ampere meter. 2,585,707, Feb. 12.
Warner & Swasey Company, The, assignee: *See*—
Curtis, Myron S.
Darash, Nicholas P.
Denton, Richard G., Jr.
Haefliger, Johann.
Schuman, Ralph H.
Tomlinson, Fay M.
Whewell, Robert, Jr.
Winchell, Sterling F.
Warner, Warren A., assignor to Art-Block Development Co., Los Angeles, Calif. Apparatus for facing building blocks. 2,588,595, Mar. 11.
Warner, Wilbur D., Chicago, Ill. Lifting device. 2,616,664, Nov. 4.
Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Fluid conducting means. 2,582,515, Jan. 15.
Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Continuously forming thin plastic sheets. 2,598,866, June 3.
Warren, Charles F., deceased, Milwaukee, Wis.; K. Warren, executrix of said C. F. Warren, assignor to C. F. Warren, Jr. Check valve assembly. 2,606,032, Aug. 5.
Warren, Charles F., Jr., assignee: *See*—
Warren, Charles F.
Warren, Comer, and V. W. Silverman, Detroit, Mich. Garment hanger. 2,605,942, Aug. 5.
Warren, Dennis E., and P. Branson, Rockville, Ind. Motor vehicle headlight marker. 2,596,879, May 13.
Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Fluid handling swivel joint. 2,580,626, Jan. 1.
Warren, Doyle C., Altadena, assignor to Chiksan Company, Brea, Calif. Adjustable fluid handling conduit. 2,587,938, Mar. 4.
Warren, Estel M., Clinton, N. C. Safety device for tractors. 2,586,130, Feb. 19.
Warren, George B., Los Angeles, Calif. Container with measuring and dispensing means. 2,585,198, Feb. 12.
Warren, George H., Miami Beach, Fla. Safety control means for refrigerating systems. 2,621,487, Dec. 16.
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Compound turbine power plant with intercept valve. 2,613,504, Oct. 14.
Warren, Henry E., Lancaster, Pa., and R. G. Warren, Bangor, Maine. Piano tuning pin. 2,588,440, Mar. 11.
Warren, Henry E., Ashland, Mass. Centrifugal pumping means. 2,605,713, Aug. 5.
Warren, Henry R., assignor to The Girdler Corporation, Louisville, Ky. Adjustable electrode assembly for high-frequency heating systems. 2,612,595, Sept. 30.
Warren, Horace G.: *See*—
Black, Judd H., and Warren.
Warren, Irving, Jamaica, assignor to U. S. Vitamin Corporation, New York, N. Y. Condiment cellar. 2,623,660, Dec. 30.
Warren, James, Co., assignee: *See*—
Vaden, James L., and Collins.
Warren, John C. R., and F. M. M. J Hager, Elmira, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Making herbicidal composition of matter. 2,614,919, Oct. 21.
Warren, Kathleen, executrix: *See*—
Warren, Charles F.
Warren-Laboratories, assignee: *See*—
Coleman, Maurice I.
Warren, Luther A.: *See*—
Elvin, William J., and Warren.
Warren, Minton W., and A. D. Kneaskern, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Lost motion drive for rotary printing devices. 2,603,153, July 15.
Warren, Minton W., and J. Zimmer, Jr., assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Article handling system. 2,603,340, July 15.
Warren, Richard G.: *See*—
Warren, Henry E. and R. G.
Warren, S. D., Company, assignee: *See*—
Smith, Robert L., and Wiswell.
Wiswell, Charles M.
Warren, Virgil P., II, Atlanta, Ga. Combination dairy, vegetable, and storage refrigerator. 2,593,370, Apr. 15.
Warren, William M., Ulysses, Kans., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Cementing wells. 2,609,881, Sept. 9.
Warrick, Earl L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Preparing dimethylpolsiloxane diols. 2,607,792, Aug. 19.
Warrick, Earl L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Siloxane putty. 2,608,545, Aug. 26.

Warrick, Leland K., Muskegon Heights, and F. E. La Flame, Twin Lake, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Compressor-motor assembly. 2,612,311, Sept. 30.
Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Distance relay protective system. 2,584,765, Feb. 5.
Warrington, James I. D., Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich. Baker's and like oven. 2,604,059, July 22.
Warsaw, Arthur J., Anchor, Ill. Dual speed countershaft assembly. 2,608,878, Sept. 2.
Warsaw, George B., Los Angeles, Calif. Soldering tool for tube sockets and terminal strips. 2,612,128, Sept. 30.
Warshaw, Nathaniel, Newton, assignor to Market Forge Co., Everett, Mass. Lift truck. 2,598,151, May 27.
Warsmith, Harry R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Crusher-roll covering element. 2,588,900, Mar. 11.
Warth, William C., Milwaukee, Wis. Fishing rod handle. 2,583,909, Jan. 29.
Wartman, Frank S., Tucson, Ariz., assignor to the United States of America as represented by the Secretary of the Interior. Making cupro-titanium. 2,616,800, Nov. 4.
Warwick, Charles H., Portland, Oreg. Power actuated toggle clamping fixture. 2,617,457, Nov. 11.
Warwick, John, assignor to Specialties Development Corporation, Belleville, N. J. Yarn tension control device. 2,597,044, May 20.
Wasalaski, Barney J.: *See*—
Nickle, Arthur G., and Wasalaski.
Wasem, Otto, Zurich, assignor to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik, Oerlikon, Zurich-Oerlikon, Switzerland. Parallelogram mounting for guns. 2,601,807, July 1.
Washbond, Harry H., assignor to The Baker Manufacturing Company, Springfield, Ill. Raising and lowering mechanism for bulldozers. 2,604,708, July 29.
Washburn, Clayton A., Westwood, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Linear sweep circuits. 2,594,104, Apr. 22.
Washburn Company, The, assignee: *See*—
Dennis, E Lucian.
Dennis, E. Lucian, and Glenny.
Lawrence, J. Richard.
Washburn, Dan D., El Cerrito, and W. L. Elder, Richmond, assignors to Cutter Laboratories, Berkeley, Calif. Vial filler. 2,586,586, Feb. 19.
Washburn, Frank, La Fayette, Ind., assignor of fifty per cent to W. O. Mayne, Pendleton, Oreg. Surface covering material. 2,615,210, Oct. 28.
Washburn, Grady S., Macon, Ga. Apparatus for forming candy bars and inserting sticks therein. 2,591,033, Apr. 1.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. Re. 23,464, Feb. 26.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,587,575, Feb. 26.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Variable shunt permanent magnet. 2,593,508, Apr. 22.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,598,734, June 3.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electron source. 2,611,875, Sept. 23.
Washburn, John M., assignor to The Morrow Machine Company, Hartford, Conn. Lubricating system. 2,584,243, Feb. 5.
Washburn, Nell E., Chicago, Ill., assignor, by mesne assignments, to Lytle Engineering & Mfg. Co. Television tuner. 2,587,419, Feb. 26.
Washburn, Ray A., assignee: *See*—
Hennessy, Edward J.
Washington, George, Jr.: *See*—
Kraft, Russell E., and Washington.
Washington Institute of Technology, assignee: *See*—
Pear, Charles B., Jr.
Washington Iron Works, assignee: *See*—
Frink, Gerald.
Washington Laboratories, Inc., assignee: *See*—
Frandsen, Lawrence.
Waskiel, John A., Providence, R. I. Nose pad and its support for ophthalmic mountings. 2,604,816, July 29.
Wasmansdorff, Carlton, Berkeley, Calif. Radio receiver noise reducing circuit. 2,586,190, Feb. 19.
Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Combined address and file card. 2,582,729, Jan. 15.
Wassell, Georgene P., assignee: *See*—
Wassell, Frank L.
Wasselle, Joseph A., Queens Village, N. Y. Hickey for canopy switches. 2,584,767, Feb. 5.
Wassenaar, William J., Coopersville, Mich. Spinning top. 2,595,823, May 6.
Wasserlein, Henry G., Joliet, Ill. Wheeled attachment for transporting boats. 2,622,893, Dec. 23.
Wasserman, David, New York, N. Y., assignor to The Harvel Corporation. Salts of sulfonated ethers of hydrogenated cardanol as inhibitors for mineral hydrocarbon oils. 2,586,191, Feb. 19.
Wasserman, Lee S.: *See*—
Stein, Robert A., and Wasserman.
Wasserman, Max, Chestnut Hill, Mass. Skylight construction. 2,610,593, Sept. 16.
Wasserman, Moe S.: *See*—
Van Valkenburg, Howard E., and Wasserman.
Wasserman, Rene D., New York, N. Y. Alloying process in bonding metals. 2,583,163, Jan. 22.
Wasson, Arell J.: *See*—
Sharp, Paul F., and Wasson.
Wasson, Jones I.: *See*—
Rudel, Harry W., and Wasson.
Wasson, Jones I., Union, N. J., assignor to Standard Oil Development Company. Steam engine lubricants. 2,614,991, Oct. 21.
Wasson, Loerwood, Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control device. 2,588,186, Mar. 4.
Watchemoket Optical Co., Inc., assignee: *See*—
Ring, Ernest A.
Watch Tower Bible and Tract Society Inc., assignee: *See*—
Kurzen, John G., Jr.
Waterbury Farrel Foundry and Machine Company, The, assignee: *See*—
Wilcox, Richard L.
Wilcox, Richard L., and Hoyt.
Waterbury Metal Stamping Co., The, assignee: *See*—
Brown, Max.
Water Cooling Equipment Co., assignee: *See*—
Green, Nathaniel P., Barrett, and Bass.
Waterland, Tilmer M., Britannia Beach, British Columbia, Canada. Detachable drilling bit. 2,588,782, Mar. 11.
Waterloo Foundry Company, assignee: *See*—
Harmon, Cline H.
Harmon, Cline H., and Fort.
Waterman, Gene, assignee: *See*—
Waterman, Samuel A.
Waterman, Herbert C., Chicago, and M. R. Winkler, La Grange Park, assignors to Motorola, Inc., Chicago, Ill. Selective calling system. 2,583,032, Jan. 22.
Waterman, Neil S., Tarrytown, N. Y. Sanitary adhesive tape dispenser. 2,622,815, Dec. 23.
Waterman, Russell R., Lodi, Calif. Fuel regulating and safety shutoff valve. 2,580,866, Jan. 1.
Waterman, Samuel A., Miami, Fla., assignor, by mesne assignments, to S. A. and G. Waterman, Mobile transfer device for a litter and operating table. 2,613,372, Oct. 14.
Waterman, William, assignee: *See*—
Stark, Donald A.
Waterproof Insulation Corp., assignee: *See*—
Bell, George, and Lebovitz.
Waters, Dorse M., Belmont, N. Y. Tool handle fastening. 2,615,247, Oct. 28.
Waters, Harry, New York, N. Y. Self-ignition gas burner. 2,586,278, Feb. 19.
Waters, Harry F., New York, N. Y. Heat-sealing machine. 2,589,756, Mar. 18.
Waters, Henry C., assignor to Perforating Guns Atlas Corporation, Houston, Tex. Electrical well logging system. 2,617,852, Nov. 11.
Waters, Laurence W., Ontario, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Peach pitting apparatus. 2,584,519, Feb. 5.
Waters, Lawrence W., Ontario, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Peach pitter. 2,605,796, Aug. 5.
Waters, Russell M., Whittier, Calif., and G. E. Batchelder, assignors to Rockwell Manufacturing Company, Pittsburgh, Pa. Automatic sampler. 2,623,544, Dec. 30.
Watershaw, E. G., Inc., assignee: *See*—
Waterton, Edmund A.
Waterton, Edmund A., deceased, London, England, by D. J. W. Dryburgh, administrator, London, England, assignor to E. G. Watershaw, Inc., Dover, Del. Dead bait and dead bait tackle for fishing. 2,605,578, Aug. 5.
Watervliet Paper Company, assignee: *See*—
Miller, Hugnenin.
Scheid, Louis J.
Wathen, Robert L., Hempstead, N. Y., assignor to The Sperry Corporation. Cavity resonator construction. 2,608,618, Aug. 26.
Wathon, Stanley W., Woodside, N. Y. Booklike holder for safety razor blades. 2,598,324, May 27.
Watkin, Robert W., assignee: *See*—
Allen, Howard G., Watkin, Kufel, and Fisher.
Watkins, Charles A.: *See*—
Wright, John G., Chafin, Sudan, Watkins, and Hanson.
Watkins, Charles H.: *See*—
Deanesly, Richard M., and Watkins.
Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Prevention of corrosion. 2,588,441, Mar. 11.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Prevention of rust. 2,594,266, Apr. 22.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Phosphorus sulfide-turpentine reaction products and lubricants containing the same. 2,607,736, Aug. 19.

Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Structural glass article. 2,618,959, Nov. 25.

Watkins, George B., and R. A. Gaiser, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating vitreous substances. 2,596,515, May 13.

Watkins, Harry C.: *See*—
Bailey, Gordon L. J., and Watkins.

Watkins, John E., Maywood, assignor to Midwest Engineering & Equipment Co., Chicago, Ill. Defrosting control in an air-cooling system. 2,580,627, Jan. 1.

Watkins, John E., Maywood, Ill. Liquid return trap in refrigerating systems. 2,590,741, Mar. 25.

Watkins, Lucius D., Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Outboard motor thrust and tilt lock adjustment. 2,583,910, Jan. 29.

Watkins, Lucius D., Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Vibration absorbing mounting for outboard motors. 2,605,734, Aug. 5.

Watkins, Samuel S.: *See*—
Watson, James, Oswald, and Watkins.

Watkins, Samuel S., and J. Watson, Miami, Fla. Spray nozzle. 2,619,378, Nov. 25.

Watkins, Victor L., Salina, Kans. Electromagnetically actuated sign structure. 2,614,145, Oct. 14.

Watkins, Walter G., North Kansas City, assignor of one-half to C. Withers, Liberty, Mo. Wheel chock for dual wheel vehicles. 2,612,239, Sept. 30.

Watkins, Wayne B., and K. W. Erge, Gloucester, N. J. Pivoted actuator for both fluid inlet and pressure relief valves. 2,615,598, Oct. 28.

Watrous, Ward W., Jr., Chatham, assignor to Chatham Electronics Corporation, Newark, N. J. Control electrode for discharge tubes. 2,610,305, Sept. 9.

Watrous, Ward W., Jr., Chatham, assignor to Chatham Electronics Corporation, Newark, N. J. Welding molybdenum. 2,623,975, Dec. 30.

Watson, Alexander N., East Cleveland, assignor of one-half to J. A. Rini, Shaker Heights, Ohio. Pipe fitting. 2,615,733, Oct. 28.

Watson, Carlos H., Richland, Iowa. Hydraulic adjusting mechanism for harvesting machines. 2,609,649, Sept. 9.

Watson, Charles G., assignor to The Youngstown Welding & Engineering Company, Youngstown, Ohio. Apparatus for pickling coils. 2,608,197, Aug. 26.

Watson, Charles W.: *See*—
Clement, Frank L., and Watson.

Watson, Claude C., deceased, Elizabeth, N. J.: E. E. Watson, administrator, assignor to Standard Oil Development Company. Fire fighting apparatus. 2,603,298, July 15.

Watson, Claude W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Production of liquid hydrocarbons, oxygenated hydrocarbons and the like. 2,583,164, Jan. 22.

Watson, Claude W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Stabilization of fluidized iron synthesis catalyst. 2,616,915, Nov. 4.

Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic conversion of carbon oxides. 2,585,981, Feb. 19.

Watson, Douglas J., St. Lambert, assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. Servo-control mechanism. 2,623,200, Dec. 23.

Watson, Earl E., administrator: *See*—
Watson, Claude C.

Watson, Edwin D., South Gate, Calif., assignor to Thompson Products, Inc., Cleveland, Ohio. Compressor valve. 2,614,854, Oct. 21.

Watson, Ernest A.: *See*—
Ifield, Richard J., and Watson.

Watson, Ernest A., Coventry, and J. S. Clarke, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Air distribution baffling about the fuel nozzle of combustion chambers. 2,586,751, Feb. 19.

Watson, Frederick K., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N-aminoalkylmorpholine viscosity stabilized polyamide and making same. 2,585,199, Feb. 12.

Watson, Frederick K., J. L. Ludlow, and J. C. Tallman, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive composition and seam. 2,609,963, Sept. 9.

Watson, George F., assignor to The Christensen Machine Company, Racine, Wis. Sheet separator air blast nozzle. 2,594,373, Apr. 29.

Watson, Harold M.: *See*—
Herwald, Seymour W., and Watson.

Watson, Henry G., Camberwell, Victoria, assignor to Stocklock Proprietary Limited, Melbourne, Victoria, Australia. Remote-controlled plural registering apparatus. 2,600,144, June 10.

Watson, James: *See*—
Hanby, William E., Waley and Watson.
Watkins, Samuel, and Watson.

Watson, James, Boca Raton, S. T. Oswald, Fort Lauderdale, and S. S. Watkins, Boca Raton, Fla., assignors of one-half to said Oswald, and one-half to Seal-A-Door, Inc. All-weather doorsill seal. 2,602,973, July 15.

Watson, James D., and S. S. Carlisle, assignors to The British Iron & Steel Research Association, London, England. Device for measuring the thickness of steel plates and the like. 2,609,420, Sept. 2.

Watson, Jeannette K., New Canaan, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electrically operated stenographic machine. 2,593,371, Apr. 15.

Watson, John, assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Die holder cap. 2,600,349, June 10.

Watson, John E.: *See*—
Semmelman, John D., and Watson.

Watson, John W., Wayne, assignor to John Warren Watson Company, Philadelphia, Pa. Leaf-end friction bearing structure and anchorage therefor. 2,621,922, Dec. 16.

Watson, John Warren, Company, assignee: *See*—
Watson, John W.

Watson, Kenneth: *See*—
Pullin, Cyril G., and Watson.

Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Concentrating or purifying carbon monoxide occurring in admixture with other gases. 2,593,232, Apr. 15.

Watson, Kenneth M., Madison, Wis., and R. L. Smith, Western Springs, Ill., assignors to Sinclair Refining Company, New York, N. Y. Catalyst regeneration system. 2,596,748, May 13.

Watson, La Verne C.: *See*—
MacHutchin, John G., and Watson.

Watson, Lionel E., Rose Bay, near Sydney, New South Wales, Australia, assignor to Helena Rubinstein, Inc., New York, N. Y. Means for use in selecting and matching lipstick and the like color tones to suit lip colorings. 2,623,304, Dec. 30.

Watson Manufacturing Company, Inc., assignee: *See*—
Bloomstran, Hilmer F.

Watson, Nathan J., assignor to Johnson Biscuit Company, Sioux City, Iowa. Loading mechanism for cooky coating apparatus and the like. 2,597,415, May 20.

Watson, Nathan J., Sioux City, Iowa, and J. C. Roche, assignors to Chicago Carton Company, Chicago, Ill. Packaging tray. 2,584,967, Feb. 5.

Watson, Nathan J., and W. R. Steingraber, assignors to Johnson Biscuit Company, Sioux City, Iowa. Method and apparatus for dip-coating cookies. 2,606,511, Aug. 12.

Watson, Orla E., Kansas City, Mo. Pressure range control. 2,609,833, Sept. 9.

Watson, Raymond J., Terre Haute, Ind. Bricklayer's scutch. 2,603,537, July 15.

Watson, Robert A., Webster Groves, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Making silver iodide crystals. 2,620,264, Dec. 2.

Watson, Sydney C., Chicago, Ill., assignor to Tor-Vel Associates. Variable-speed transmission. 2,600,592, June 17.

Watson, Thomas E., Tewksbury, Mass. Expansion lease comb. 2,610,383, Sept. 16.

Watson, Thomas E., Tewksbury, Mass. Drop wire. 2,610,656, Sept. 16.

Watson, Thomas S., Milwaukee, Wis. Flexible diaphragm type of laundry apparatus. 2,616,279, Nov. 4.

Watson, Wallace R.: *See*—
Earls, Howard G., and Watson.

Watson, Walter J., and W. J. Watson, Jr., Washington, D. C. Simulated basketball game. 2,611,615, Sept. 23.

Watson, Walter J., Jr.: *See*—
Watson, Walter J., and W. J. Watson, Jr.

Watson, William H.: *See*—
Guptill, Ernest W., and Watson.

Watt Car & Wheel Company, The, assignee: *See*—
Boyd, Clarence A.

Watt, E. J., and A. Nelson, Loves Park, Ill. Wedging bench clamp. 2,612,917, Oct. 7.

Watt, Naomi L., and H. F. Fehlberg, Detroit, Mich. Douche nozzle. 2,610,627, Sept. 16.

Watt, Raymond B., Washington, D. C. Internally expanding brake. 2,587,256, Feb. 26.

Wattenberger, Vernon J., Schenectady, N. Y., assignor to General Electric Company. Shock resistant static overload relay. 2,594,372, Apr. 29.

Wattenberger, Vernon J., Schenectady, N. Y., assignor to General Electric Company. Bi-directional magnetic fluid clutch. 2,616,539, Nov. 4.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Sound-deadening and balancing means for railway wheels. 2,605,132, July 29.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Space-heating means. 2,615,115, Oct. 21.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Railway truck. 2,620,742, Dec. 9.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Panel and panel cover, especially for railway cars. 2,620,750, Dec. 9.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Underframe for railway cars and similar vehicles. 2,620,751, Dec. 9.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa Railway car room arrangement. 2,622,544, Dec. 23.

Watter, Michael, Philadelphia, and J. C. Lyon, Upper Darby, assignors to The Budd Company, Philadelphia, Pa. Safety closure. 2,583,978, Jan. 29.

Watts, Albert E., Montreal, Quebec, Canada. Return fire tube boiler with indirectly heated domestic supply. 2,592,216, Apr. 8.

Watts, Blaine C., Jr., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif. Air-heating appliance. 2,580,492, Jan. 1.

Watts, C. J., executor: *See*—
Conrad, Joshua C.

Watts, Chester B., Jr.: *See*—
Pickles, Sidney B., and Watts.

Watts, Chester B., Jr., Indianapolis, Ind., assignor to International Standard Electric Corporation, New York, N. Y. Glide path antenna. 2,610,321, Sept. 9.

Watts, Daniel M., and H. P. Brown, assignors to American Forging and Socket Company, Pontiac, Mich. Adjustable sent support. 2,591,480, Apr. 1.

Watts Electric & Mfg. Co., assignee: *See*—
Thomas, George J.

Watts, Euclid V., South Pasadena, and B. Folda, Jr., Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Increasing the productivity of oil wells. 2,585,522, Feb. 12.

Watts, George A.: *See*—
Kerr, Howard J., Fletcher, Kooistra and Watts.

Watts, Ivor B., Nutley, N. J. Hanger in strip form. 2,611,492, Sept. 23.

Watts, John T.: *See*—
Coffey, David H., Edgar, Meyrick, and Watts.

Watts, Laurence D., Chorley Wood, assignor to Scammell Lorries Limited, Watford West, England. Spring mounting for dirigible road wheels. 2,608,419, Aug. 26.

Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Shock absorber. 2,587,016, Feb. 26.

Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Shock absorber. 2,593,372, Apr. 15.

Watts, Rhea N., and W. E. Spicer, Baton Rouge, La., assignors to Standard Oil Development Company. Manufacture of hollow magnetite bead catalyst. 2,583,452, Jan. 22

Watts, Richard G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. System for gathering and loading oil from underwater oil wells. 2,594,105, Apr. 22.

Watts, William C., assignor of one-third to C. Lockett, Los Angeles, Calif. Combined holder for a pad and a pencil. 2,604,724, July 29.

Watts, William J., Philipsburg, and F. B. Cadman, Osceola Mills, Pa.; said Cadman assignor to said Watts. Bark-removing machine having horizontally and vertically guided cutter. 2,596,187, May 13.

Waugh, Charles C., Newton, Pa. Phase shift torque meter. 2,621,514, Dec. 16.

Waugh, Dale L., Dayton, Ohio, assignor to The Dayton Rubber Company. Making V belts. 2,607,713, Aug. 19.

Waugh, Dale L., Dayton, Ohio, assignor to The Dayton Rubber Company. Belt. 2,608,874, Sept. 2.

Waugh, David F.: *See*—
Salo, Torsti P., and Waugh.

Waugh Equipment Company, assignee: *See*—
Dilg, Walter C., and Munro.
Fillion, Stanley H.

Waugler, John S., Pekin, Ill., assignor to R. W. Tweedie. Lure-type sinker. 2,605,577, Aug. 5.

Waukesha Motor Company, assignee: *See*—
Pope, Arthur W., Jr.

Waxweiler, James H.: *See*—
Marshall, Marcus W., and Waxweiler.

Way, Alben W., Philadelphia, Pa. Apparatus for separating solids from a liquid body. 2,586,447, Feb. 19.

Way, Alben W., Philadelphia, Pa., and J. W. Morton, Brooklyn, N. Y.: said Morton assignor to said Way. Process and apparatus for obtaining a thickened concentrate. 2,603,354, July 15.

Way, Arnold D., Bronxville, assignor to The Permutit Company, New York, N. Y. Decanting device. 2,622,736, Dec. 23.

Way, George H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Drum. 2,609,722, Sept. 9.

Way, George H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Snare adjusting mechanism for drums. 2,621,554, Dec. 16.

Way, Percival L., assignor to Vono Limited, Tipton, England. Furniture frame construction. 2,618,316, Nov. 18.

Way, Stewart, Pittsburgh, A. E. Hershey, Wilkinsburg, Pa., and J. R. Boyd, Urbana, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power plant combustion apparatus having apertured combustion chamber walls. 2,595,999, May 6.

Wayman, Albert J., East Palestine, Ohio. Removable plug for openings in meter casings. 2,611,507, Sept. 23.

Wayman, Morris, and W. H. Rapson, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Producing chlorine dioxide. 2,598,087, May 27.

Wayman, Sidney C., Darthill, March, England. Oil pressure operated electric switch. 2,611,045, Sept. 16.

Wayne Candies, Inc., assignee: *See*—
Bruoit, Louis E.

Wayne, Edward T., Port Crane, assignor to E. H. Titchener & Co., Binghamton, N. Y. Poultry shackle. 2,613,390, Oct. 14.

Wayne Iron Works, assignee: *See*—
Wetzel, Charles H.

Wayne Kerr Laboratories Limited, The, assignee: *See*—
Calvert, Raymond.

Wayne Pump Company, The, assignee: *See*—
Jauch, Robert J., Hinds and Sturm.

Wayne, Truman B., Houston, Tex. Treatment of drilling fluids. 2,602,777, July 8.

Wayne, William C., Jr., assignor to The Baldwin Company, Cincinnati, Ohio. Control system for electronic musical instruments. 2,585,357, Feb. 12.

Wayne, Winston J.: *See*—
Pinkney, Paul S., Pratt, and Wayne.

Wayner, Lew, Los Angeles, Calif. Bobby pin applier. 2,600,711, June 17.

Wayo, Stephen J., Whiting, Ind., J. W. Teter, Chicago, and E. W. Shand, Homewood, Ill., assignors to Sinclair Refining Company, New York, N. Y. Separation of propene and propane by extractive distillation. 2,588,063, Mar. 4.

Wayto, Stephen, Schenectady, N. Y. Power system. 2,583,312, Jan. 22.

Weakland, Walter L., Platte City, Mo., assignor to Rockledge Manufacturing Company. Seat cover. 2,590,664, Mar. 25.

Weakland, Stephen E., and L. L. Simpson, Portland, Oreg. Dispenser for rolled paper with automatic holding brake. 2,589,587, Mar. 18.

Weakley, Francis B.: *See*—
Montgomery, Edna M., Conway, and Weakley.

Wean Engineering Company, Inc., The, assignee: *See*—
Keller, John D.
McArthur, Donald A.

Wean Equipment Corporation, assignee: *See*—
Ranney, Neil J.

Wearne, Richard D., Crown Point, Ind., assignor to United States Steel Company. Discharge apparatus for coal hoppers. 2,612,298, Sept. 30.

Weatherford, Helskell, Jr., assignee: *See*—
Reaves, Jules M.
Ruth, Edward A.

Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Making hose ends. 2,584,948, Feb. 5.

Weatherhead Company, The, assignee: *See*—
Baldwin, John D., Jr., and Wyss.
Courtot, Louis B.
Crawley, Charles H.
Grahling, Walter C., and St. Clair.
Hufford, George H.
Hunziker, Fred.
Johnson, Andrew G.
Rood, Alvin A., and Campbell.
St. Clair, Theodore A.
Weatherhead, Albert J., Jr.
White, Harold A.

Weatherly, Andrew E., assignor to Gem-Dandy, Inc., Madison, N. C. Brassière. 2,593,711, Apr. 22.

Weather-proof Co., The, assignee: *See*—
Hansen, Louis A.

Weathers, Maurice R., assignor of fifty per cent to C. E. Wallace, Jr., Shelby, N. C. Line holding device for bricklayers. 2,615,253, Oct. 28.

Weathers, Warren F., deceased, late of Detroit, Mich., by A. F. Schmaizriedt, administrator, Allen Park, Mich. Door operating device. 2,619,346, Nov. 25.

Weather-Seal, Inc., assignee: *See*—
Snyder, Carl I.

Weatherstone, Alan, Oakville, Ontario, Canada. Window. 2,601,476, June 24.

Weaver, Albert J., San Antonio, Tex. Delayed electric mercury switch. 2,615,100, Oct. 21.

Weaver, Allen E., assignor of one-half to Hammond Bag & Paper Company, Wellsburg, W. Va. Paper winding and smoothing device. 2,592,090, Apr. 8.

Weaver, Ashley L., Maplewood, Mo., assignor by decree of distribution to Edith Weaver. Lawn mower sharpening machine. 2,601,574, June 24.

Weaver, Clark H., Berkeley, Calif. Attachment for door knobs. 2,610,877, Sept. 16.

Weaver, Edith, assignee: *See*—
Weaver, Ashley L.

Weaver, Elverton W., assignor to Towmotor Corporation, Cleveland, Ohio. Motorized hand truck. 2,592,091, Apr. 8.

Weaver, Ernest W., assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace with sectional radiant tube. 2,598,474, May 27.

Weaver, Jack C., assignee: *See*—
Richardson, Beverly E.

Weaver, James C., Richmond, Va. Load binding device. 2,606,670, Aug. 12.

Weaver, James C., Richmond, Va. Barrel stacking device. 2,611,495, Sept. 23.

Weaver, Joe C., Jr., Tulsa, Okla., and M. D. Farkas, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Purification of meta-nitro-para-toluidine. 2,623,903, Dec. 30.

Weaver, John H.: *See*—
Beman, Ward W., and Weaver.

Weaver, John L., Encinitas, Calif. Multiple spindle drill apparatus. 2,590,283, Mar. 25.

Weaver, John N., and G. W. Davis, Brooklyn, N. Y. Face protecting mask. 2,616,081, Nov. 4.

Weaver, Joseph C., Jr.: *See*—
Eliot, Theodore Q., Goodin, and Weaver.

Weaver, Lawrence G., Evanston, Ill. Hearing aid earpiece. 2,596,351, May 13.

Weaver, Paul, assignor to E. W. Fawkes, Chico, Calif. Combination clothesline and fastening device. 2,609,105, Sept. 2.

Weaver, Preston R., and A. E. McPherson, Montgomery County, Md. Limit load strain indicator. 2,607,998, Aug. 26.

Weaver, Ruth K., Chicago, and L. E. Thatcher, Berwyn, assignors to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin display card. 2,586,192, Feb. 19.

Weaver, Ruth K., and P. T. Hahn, assignors to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,619,972, Dec. 2.

Weaver, William B.: *See*—
Samans, Walter A., and Weaver.

Weavewood, Inc., assignee: *See*—
Thompson, Howard H.

Weaving, John H., Moseley, Birmingham, assignor to The Austin Motor Company Limited, Northfield, Birmingham, England. Combustion chamber of internal-combustion engines. 2,617,400, Nov. 11.

Webb, Albert E.: *See*—
Bennett, Frank P., and Webb.

Webb, Byron H., Kensington, Md., and G. P. Walton, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Dried honey-milk product. 2,621,128, Dec. 9.

Webb, Charlotte F., assignee: *See*—
Spinney, Frank R.

Webb, Christopher F., London, England, assignor to General Register Corporation, Long Island City, N. Y. Rotary ticket printing and mutilating machine. 2,593,078, Apr. 15.

Webb, Earl G.: *See*—
Langfeld, Daniel, Leckey, Olson, and Webb.

Webb, Earle G., Bellevue, assignor, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr. Radiator back flush and cleaning booth. 2,612,899, Oct. 7.

Webb, Edward T., Iver, assignor to Metal Closures Limited, West Bromwich, England. Applying thermoplastic closures to bottles and other containers. 2,597,830, May 20.

Webb, Elmer J., Newark, N. Y. Dowel structure. 2,589,464, Mar. 18.

Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Secondary air supply system and nozzle for underfeed stokers. 2,582,808, Jan. 15.

Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Furnace door structure with spring and cam retention means. 2,584,404, Feb. 5.

Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Keyed shaft coupling. 2,588,064, Mar. 4.

Webb, George A.: *See*—
Corson, Ben B., and Webb.

Webb, George B., Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Iron oxide reduction. 2,598,735, June 3.

Webb, George H., assignor of one-half to Desoutter Brothers Limited, London, England. Power-operated impact wrench. 2,591,323, Apr. 1.

Webb, Glenn M., Western Springs, assignor to Standard Oil Company, Chicago, Ill. Silica-magnesia catalyst for hydrocarbon-oil conversion. 2,605,237, July 29.

Webb, Glenn M., Western Springs, and R. W. Moehl, Congress Park, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion catalyst and process. 2,611,738, Sept. 23.

Webb, Gordon H.: *See*—
Jack, John M., Webb, and Jefferson.

Webb, Harry A., Mount Carmel, Conn., assignor to Parva Products Company, Chicago, Ill. Footwear. 2,596,188, May 13.

Webb, J. Irwin, Munhall, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Machine for cutting articles from metal sheets. 2,621,735, Dec. 16.

Webb, James H., Montreal West, Quebec, Canada, assignor, by mesne assignments, to Jenkins Bros., Bridgeport, Conn. Quick-acting gate valve. 2,611,575, Sept. 23.

Webb, Jervis B., Bloomfield Hills, and E. W. McCaul, Birmingham, assignors to Jervis B. Webb Company, Detroit, Mich. Floor truck overhead conveyor drive. 2,601,477, June 24.

Webb, Jervis B., Company, assignee: *See*—
Boyko, John, and McCaul.
McCaul, Edward W., and Jessop.
Rose, Andrew G.
Webb, Jervis B., and McCaul.

Webb, Richard C., Ames, Iowa, assignor to Radio Corporation of America. Protected time delay power supply system. 2,619,525, Nov. 25.

Webb, Richard H.: *See*—
Craig, Floyd B., and Webb.

Webb, Robert H., assignor to Sperry Products, Inc., Danbury, Conn. Variable angle ultrasonic transducer. 2,602,102, July 1.

Webb, Samuel W., Preston, Kans. Intermediate pivot gate and latch. 2,583,070, Jan. 22.

Webb, Thomas B.: *See*—
Davy, Christopher H., and Webb.
Robeson, Max O., and Webb.

Webb, Wells A., San Jose, Calif. Food processing apparatus. 2,587,939, Mar. 4.

Webb, Wells A., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Method and apparatus for drying containers. 2,596,800, May 13.

Webber, Clifford B., Coon Rapids, Iowa. Sickle grinder. 2,583,758, Jan. 29.

Webber, Ezra G., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Splicing tubular articles. 2,623,571, Dec. 30.

Webber, George H.: *See*—
Consalvi, Anthony L., Webber, and Lawrence.

Webber, Jack C., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Permanent type packing means for wells. 2,609,879, Sept. 9.

Webber, Ludwig A.: *See*—
Johnstone, Leo H., Webber, and Costolow.

Webber, Owen, Bayonne, N. J. Utility cart. 2,596,749, May 13.

Webber, Thomas A., Hyattsville, Md. Sandblasting machine for cleaning inlays or the like. 2,584,647, Feb. 5.

Webber, William C.: *See*—
Mitchell, Reginald G., Tait, Webber, Aickin, Winsor, and Billinghame.

Webber, William C., New Malden, England, assignor to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,599,794, June 10.

Webber, William D., Chicago, Ill. Protractor. 2,602,228, July 8.

Weber Aircraft Corporation, assignee: *See*—
Muligardt, Alex S.

Weber, Albert F., Linden, N. J. Traffic sign projection device. 2,614,457, Oct. 21.

Weber, Carl: *See*—
Gallagher, William P., and Weber.

Weber, Carl, assignor to The Prehy Company, Incorporated, New York, N. Y. Fluid pressure discharge apparatus. 2,599,304, June 3.

Weber, Clarence S., Preston, Ontario, assignor to R. Bullas, Kitchener, Ontario, Canada. Multiple bit tool. 2,609,019, Sept. 2.

Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Material separating apparatus. 2,582,302, Jan. 15.

Weber, Donald J., Richwood, assignor to The Yardley Plastics Company, Columbus, Ohio. Accumulator. 2,592,836, Apr. 15.

Weber, Donald J., Richwood, Ohio. Apparatus for lubricating plastic materials undergoing extrusion. 2,597,553, May 20.

Weber, Ernst, Mount Vernon, and S. A. Johnson, New York, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Alloy resistance element and manufacturing same. 2,586,752, Feb. 19.

Weber, Ernst, Mount Vernon, and S. A. Johnson, New York, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Bolometer. 2,590,477, Mar. 25.

Weber, Ernst, Mount Vernon, and S. A. Johnson, New York, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Apparatus for the formation of metallic films by thermal evaporation. 2,610,606, Sept. 16.

Weber, Ernst, Mount Vernon, and J. W. E. Griemsmann, Bellaire, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Individually matched bead supports for coaxial cables. 2,623,122, Dec. 23.

Weber, Herman, Harriman, Tenn. Lightweight porous building materials. 2,606,126, Aug. 5.

Weber, Herman, Harriman, Tenn. Lightweight building materials and their manufacture from synthetic anhydrous calcium sulfate. 2,606,127, Aug. 5.

Weber, Herman, Harriman, Tenn. Nonhydrating setting and binding material. 2,606,128, Aug. 5.

Weber, Herman, Harriman, Tenn. Setting and binding material from natural mineral anhydrite. 2,606,129, Aug. 5.

Weber, Herman, Harriman, Tenn. Setting and binding material from residues of hydrofluoric acid manufacture. 2,608,491, Aug. 26.

Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Cable tension regulator. 2,585,358, Feb. 12.

Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Remote control device for heaters, valves, and other remote controlled parts. 2,592,361, Apr. 8.

Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Remote-control device for brakes and the like. 2,607,239, Aug. 19.

Weber, Herman W., Richmond Heights, Mo., assignor to Laclede-Christy Company. Furnace wall structure. 2,581,989, Jan. 8.

Weber, Ira, Brooklyn, assignor to Interchemical Corporation, New York, N. Y. Coating compositions. 2,600,593, June 17.

Weber, Jack, and T. P. Charnley, Tottenham, London, England. Machine for use in the manufacture of footwear. 2,593,945, Apr. 22.

Weber, Johannes, Stuttgart-Feuerbach, assignor to Robert Bosch G. m. b. H., Stuttgart, Germany. Fuel injection system for compression ignition engines. 2,619,080, Nov. 25.

Weber, John, Oakland, Calif. Quick attachable and detachable shoeshine stand for barber chairs. 2,603,814, July 22.

Weber, John A., Shawnee, Kans. Flower pot supporting shelf. 2,588,596, Mar. 11.

Weber, John W., Norristown, Pa. Resilient and heat-resistant blanket. 2,593,373, Apr. 15.

Weber, Joseph A., assignee: *See*—
Thomas, James R.

Weber, Joseph J., Chicago, Ill. Stamping and embossing machine. 2,621,435, Dec. 16.

Weber, Joseph J., and R. M. Wilhelm, New York, N. Y., assignors to Miller & Weber, Inc. Thermometer case. 2,586,448, Feb. 19.

Weber, Karl A., Brentwood Heights assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Machine for grinding edges of glass plates. 2,597,416, May 20.

Weber, Karl A., Brentwood Heights, assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Self-service refrigerated showcase. 2,597,417, May 20.

Weber, Karl R.: *See*—
Brinkman, Herbert C., and Weber.

Weber, Laurance A.: *See*—
Ciutta, Charles E., Pullis, Schenck, and Weber.

Weber, Lawrence: *See*—
Neja, Ambrose, and Weber.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Baffle for tube assemblies. 2,586,408, Feb. 19.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heat exchanger. 2,614,824, Oct. 21.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heating chamber. 2,615,703, Oct. 28.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus. 2,620,175, Dec. 2.

Weber, Louis J., Bartlesville, Okla., and L. D. Ringo, Borger, Tex., assignors to Phillips Petroleum Company. Wedge closure fitting. 2,588,313, Mar. 4.

Weber, Max, Geneva, Switzerland. Clock setting mechanism. 2,594,106, Apr. 22.

Weber, Milton N., assignor of one-half to H. W. Link, Detroit, Mich. Load transmitting means for dynamometers. 2,581,990, Jan. 8.

Weber, Milton N., assignor of one-half to H. W. Link, Detroit, Mich. Apparatus for maintaining load on lengthwise moving workpieces. 2,613,078, Oct. 7.

Weber, Milton N., assignor of one-half to H. W. Link, Detroit, Mich. Pneumatic load indicating device. 2,613,925, Oct. 14.

Weber, Nelson H.: *See*—
Drury, Thomas W., Weber, and Loro.

Weber, Nelson H., and R. W. Hept, Bronson, Mich., assignors to Kingston Products Corporation, Kokomo, Ind. Waterproof switch assembly. 2,586,892, Feb. 26.

Weber, Paul F., San Francisco, Calif. Shoe fitting device. 2,601,131, June 17.

Weber, Paul J.: *See*—
Else, Harry D., and Weber.

Weber, Raymond C.: *See*—
Schmits, Ewald, and Weber.

Weber, Robert R.: *See*—
Perkins, Gerald S., Vogt, and Weber.

Weber, Robert W., assignor of 51 per cent to J. B. Hitchings, Long Beach, Calif. Trailer hitch with a detachable coupling means. 2,592,217, Apr. 8.

Weber Showcase & Fixture Co., Inc., assignee: *See*—
Pruett, William A.
Weber, Karl A.

Weber, Victor, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Control system for fluid fuel burners. 2,610,682, Sept. 16.

Weber, Victor, Greensburg, and R. F. Garner, assignors to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety device for fuel burners. 2,591,897, Apr. 8.

Weber, Victor, Greensburg, and W. J. Russell, Jeannette, assignors to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety control and ignition apparatus for gaseous fuel burners. 2,610,679, Sept. 16.

Weber, Victor, and W. S. Kunsler, Greensburg, assignors to Robertshaw-Fulton Controls Company, Youngwood, Pa. Thermogenerator and pilot burner assembly. 2,610,984, Sept. 16.

Weber, William E., assignee: *See*—
Du Broff, Warren.

Weber, William F., assignor to Armour and Company, Chicago, Ill. Lubrication of conveyer apparatus for meat. 2,587,017, Feb. 26.

Webers, Vincent J.: *See*—
Bruce, William F., and Webers.

Webley, Reginald S., Hayes, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television and like transmitting apparatus. 2,596,061, May 6.

Webrib Steel Corporation, assignee: *See*—
De Fazi, Fulvio.

Webster, Alan de F., Glen Cove, assignor to The Landley Company, Inc., New York, N. Y. Davit mechanism. 2,616,102, Nov. 4.

Webster, Arvin C. and G. W., Detroit, Mich. Dunnage apparatus. 2,603,167, July 15.

Webster, Benjamin C., Southport, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for double ended tubular lamps. 2,610,997, Sept. 16.

Webster, Benjamin C., Southport, Conn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,611,055, Sept. 16.

Webster, Charles J., Rosherville, Northfleet, W. E. Anson, Northfleet, assignors to Messrs. Joseph Broughton and Son (Engineers) Limited, Birmingham, England. Bolt for locks. 2,600,350, June 10.

Webster-Chicago Corporation, assignee: *See*—
Bridenbaugh, Paul K., and Jansen.
Dale, Colin B.
Denny, Cartan H.
Dull, John R.

Webster, Clifford L., assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio. Corner construction for metal doors and the like. 2,611,633, Sept. 23.

Webster, Edward, Parkstone, England. Charging tubular containers with materials. 2,599,959, June 10.

Webster Electric Company, assignee: *See*—
Campbell, Richard H.
Munroe, David J.

Webster, George W.: *See*—
Webster, Arvin C. and G. W.

Webster, Georgia D., Atlanta, Ga. Manicure bowl. 2,580,981, Jan. 1.

Webster, Glen B., Bartlesville, Okla. Pipe clamp. 2,587,940, Mar. 4.

Webster, James F., Lafayette, Ind. Floating birdbath. 2,583,911, Jan. 29.

Webster, John V.: *See*—
Aasland, Byron T., and Webster.

Webster, Joshua B., Fort Belvoir, Va. Fire foam nozzle. 2,597,913, May 27.

Webster, Leonard C.: *See*—
Greenleaf, Nathaniel B., and Webster.

Webster, Paul F., Mars, Pa., assignor, by mesne assignments, to Treesdale Laboratories and Textile Processing Company. Spongious cleaning device. 2,591,481, Apr. 1.

Webster, Raymond C., Kansas City, Mo., assignor to W. E. Anderson, Inc. Static electricity instrument having audible indicator. 2,591,898, Apr. 8.

Webster, Robert O.: *See*—
Serduke, James T., and Webster.

Webster, Roger L.: *See*—
McGrath, Charles H., and Webster.

Webster, Warren, and K. E. Berk, assignors to The Joyce-Cridland Company, Dayton, Ohio. Automatic door controlling mechanism. 2,588,597, Mar. 11.

Webster, Warren, & Company, assignee: *See*—
Fitz Gerald, Alan S.
Stone, John, 4th.

Webster, William: *See*—
Salt, Francis E., Webster, and Galitzenstein.

Webster, William M., E. O. Johnson, and L. Malter, Princeton, N. J., assignors to Radio Corporation of America. High-frequency gas discharge device. 2,588,065, Mar. 4.

Webster, William M., Jr.: *See*—
Johnson, Edward O., and Webster.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Self-sustaining gas tube circuit. 2,591,899, Apr. 8.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Cascade-connected semiconductor amplifier. 2,595,496, May 6.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Semiconductor device for two-stage amplifiers. 2,595,497, May 6.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Transducer. 2,602,862, July 8.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Amplifier gas tube. 2,611,880, Sept. 23.

Webster, William M., Jr., Princeton, and G. W. Bain, Jr., New Brunswick, N. J., assignors to Radio Corporation of America. Amplifier gas tube. 2,611,884, Sept. 23.

Wechsler, Leonard, South Bend, Ind., assignor to Bendix Aviation Corporation, Teterboro, N. J. Nutation damping device. 2,592,092, Apr. 8.

Wechler, Sammy, New York, N. Y. Spring operated toy. 2,594,527, Apr. 29.

Wechter, William H., executor: *See*—
Tannenbaum, Morris L.

Weckel, Howard F.: *See*—
Overmyer, Calvin J., Giese, and Weckel.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Flexure plate weighing scale. 2,584,949, Feb. 5.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Sensitivity adjustment for weighing scales. 2,584,950, Feb. 5.

Weckstein, Samson M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Adjustable double roller bearing. 2,606,799, Aug. 12.

Weddell, William M., Freeport, and F. J. Krenzke, Lake Jackson, Tex. Shaker for deliquescent materials. 2,604,237, July 22.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Pyrophoric lighter. 2,592,837, Apr. 15.

Wedge, Fred D.: *See*—
Buenger, Edward F., and Wedge.

Wedin, Gertrude, assignee: *See*—
Wedin, Ivar T.

Wedin, Ivar T., assignor of one-half to Gertrude Wedin, Farmington, Mich. Amplifying comparator with differential screw. 2,603,876, July 22.

Wedrite, Victor T.: *See*—
Bucsko, Eugene J., and Wedrite.

Wee, Quan, San Antonio, Tex. Whirling game device with multiple cylinder. 2,614,843, Oct. 21.

Weedman, John A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Crystallization apparatus. 2,615,793, Oct. 28.

Weedon, Basil C. L.: *See*—
Heilbron, Ian M., Weedon, and Jones.
Heilbron, Ian M., Weedon, Jones, Hems, and Jansen.

Weekes, Harold, Mataroa, Taihape, New Zealand. Supplying rubber rings to tools. 2,598,325, May 27.

Weeks, Benjamin E., Valley Stream, and W. G. Hoeninger, St. Albans, N. Y. Device for controlling, operating, and cleaning various fluid operated systems. 2,620,106, Dec. 2.

Weeks, Charles, assignor to Menlo Research Laboratory, Menlo Park, Calif. Ultraviolet flashlight and energizing unit therefor. 2,613,313, Oct. 7.

Weeks, Fern, administratrix: *See*—
Ryder, Frank A., and Weeks.

Weeks, Gilbert E.: *See*—
Frisbie, Stewart E., and Weeks.

Weeks, Lloyd E.: *See*—
Chapin, Earl C., and Weeks.

Weeks, Milton H.: *See*—
Ryder, Frank A., and Weeks.

Weeks, Robert L., Union, N. J., assignor to Standard Oil Development Company. Drying of solid adsorbents. 2,589,981, Mar. 18.

Weeks, Robert R., Upton, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Stabilizer arrangement for cyclotrons and the like. 2,616,042, Oct. 28.

Weeks, Walter L. *See*—
Holben, Martin M., and Weeks.

Weeks, Walter L., Wyckoff, N. J., assignor to Curtiss-Wright Corporation. Liquid distributing system. 2,599,680, June 10.

Weeks, Wendy, Great Neck, N. Y. Hem guide clasp. 2,592,362, Apr. 8.

Weeks, Willie G., Port Tampa City, Fla. Food dicer. 2,611,404, Sept. 23.

Weems, Albert W., Meridian, Miss. Reciprocating spindle type cotton harvester. 2,585,062, Feb. 12.

Weems, Joe B., Dickson, Tenn. Blade and toolholder. 2,605,545, Aug. 5.

Weesner, William E.: *See*—
Gamrath, Harry R., and Weesner.

Weesner, William E., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of polyethylene glycol esters of benzyl acid phthalate. 2,607,798, Aug. 19.

Weesner, William E., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of glycol esters of benzyl acid phthalate. 2,607,799, Aug. 19.

Weesner, William E., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing di (alkyl glycolyl) esters of aliphatic dicarboxylic acids. 2,608,577, Aug. 26.

Weesner, William E., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Di (alkyl glycolyl) esters of oxy-di-(polymethylene)-dicarboxylic acids. 2,608,578, Aug. 26.

Wefing, Charles A., Denver, Colo. Cover for valve-in-head motors. 2,607,331, Aug. 19.

Wegener, Otto W., assignee: *See*—
Hoeffken, Paul W.

Wegert, E. C., assignee: *See*—
Anderson, Harold H.

Weggel, Erwin J., Bay City, Mich. Garbage and refuse incinerator. 2,608,943, Sept. 2.

Wegmann, Jacques: *See*—
Riat, Henri, Andernu, Wegmann, Mayer and Menzi.

Wegs, Arthur F., Chicago, Ill., assignor of one-half to H. C. Speck. Optical pliers. 2,607,247, Aug. 19.

Wehmer, Frederick J., Birmingham, and J. M. McClellan, Jr., Detroit, Mich., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Organic polysulfide type adhesive. 2,588,442, Mar. 11.

Wehmiller, Paul K., Kirkwood, and W. J. Nekola, Normandy, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Illuminating device for inspection of contents of bottles. 2,596,452, May 13.

Wehner, Robert S., Hempstead, assignor to Airborne Instruments Laboratory, Inc., Mineola, N. Y. Antenna excitation system. 2,612,606, Sept. 30.

Wehr, Henry W., Jr., Midland, and W. C. Sager, Jr., Bay City, assignors to The Dow Chemical Company, Midland, Mich. Molding compositions of vinyl aromatic resins. 2,619,478, Nov. 25.

Wehrle, Joseph J., Altoona, Pa., O. L. Niehouse, and J. G. Burtle, Alton, assignors to Olin Industries, Inc., East Alton, Ill. Purification process. 2,591,664, Apr. 8.

Wehrli, Frederick, New York, N. Y. Toy bead loom. 2,601,222, June 17.

Wehrli, Walter: *See*—
Iselin, Ernst and Wehrli.
Neier, Reinhard, and Wehrli.

Wehrli, Walter, assignor to Sandoz Limited, Basel, Switzerland. Copper-containing azo dyestuffs. 2,620,331, Dec. 2.

Wehrli, Walter, and W. Steinemann, assignors to Sandoz A. G., Basel, Switzerland. Disazo dyestuffs and their chromium, iron and cobalt complexes. 2,580,867, Jan. 1

Wehrwein, John G.: *See*—
Morrison, Samuel O., and Wehrwein.

Welbull, Nils R. M., Malmo, Sweden. Timing relay. 2,592,986, Apr. 15.

Weichsel, Hans, Webster Groves, assignor to Wagner Electric Corporation, St. Louis, Mo. Apparatus for testing dynamoelectric armatures. 2,599,960, June 10.

Weld, Frank P., J. G., and J. E., Red Wing, Minn. Celery harvester. 2,585,410, Feb. 12.

Weld, John G.: *See*—
Weld, Frank P., J. G., and J. E.

Weld, Joseph E.: *See*—
Weld, Frank P., J. G., and J. E.

Weldel, Joseph C.: *See*—
Maynard, Kermit W., and Weldel.

Weldel, Joseph C., Bonita, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Method and machine for spotwelding. 2,596,453, May 13.

Weldelstam, Gustaf A., Irisgatan, Sweden. Hinge with mutually displaceable members for adjustment thereof. 2,611,921, Sept. 30.

Weidenheimer, Joseph F., and C. C. Reed, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparation of phosphoric acid esters of riboflavin. 2,603,632, July 15.

Weidenhoff, Joseph, assignee: *See*—
Rozett, Benjamin.

Weidenhoff, Joseph, Incorporated, assignee: *See*—
Hedinger, Ernst.
Peterson, Wayne L.
Rozett, Benjamin.

Weidenman, William T., Spring Valley, assignor to Telephonics Corporation, Huntington, N. Y. Electrical impulse transmitter. 2,613,552, Oct. 14.

Weidenmiller, Edward A., Lincolnwood, assignor to Edward Weidenmiller Co., Inc., Morton Grove, Ill. Embossing cutter for crackers and biscuit cutting and embossing machines. 2,589,908, Mar. 18.

Weidenmiller, Edward, Co., Inc., assignee: *See*—
Weidenmiller, Edward A.
Weidenmiller, Jack E. and R. M.

Weidenmiller, Jack E., Lincolnwood, and R. M. Weidenmiller, Skokie, assignors to Edward Weidenmiller Co., Inc., Morton Grove, Ill. Cutter for biscuits and cracker cutting and embossing machines. 2,589,907, Mar. 18.

Weidenmiller, Robert M.: *See*—
Weidenmiller, Jack E. and R. M.

Weidinger, Walter P., Orinda, Calif. Liquid gauge bar. 2,580,711, Jan. 1.

Weidler, Walter, Milwaukee, Wis. Cup or glass-supporting plate. 2,582,183, Jan. 8.

Weidman, Walter L., Woodbury, N. J., H. A. Shabaker, Media, and E. B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Chemical treatment of finely divided solids. 2,596,611, May 13.

Weidner, Charles L.: *See*—
Engel, Edward W., Giolito, McGarry, Morris, and Weidner.
Morris, Vlon N., Weidner, and Eger.

Weidner, William C.: *See*—
Miller, Alfred J., Weidner, and Kolody.

Weigand, Sylvester A.: *See*—
Bolton, John W., and Weigand.

Weigand, Sylvester A., and A. B. Monnig, assignors to The Lunkenheimer Company, Cincinnati, Ohio. Apparatus for forming pellets. 2,618,013, Nov. 18.

Weigandt, Carl F., Memphis, Tenn., assignor of forty-nine per cent to W. E. Turner, Jr., Piggott, Ark. Fishing lure. 2,623,318, Dec. 30.

Weigele, Albert E., Newark, N. J., assignor, by mesne assignments, to National Pneumatic Company, Inc., Boston, Mass. Electrically operated windshield wiper. 2,598,951, June 3.

Weigham, William R., Coventry, and W. H. Stokes, Balsall Common, near Coventry, assignors to Courtaulds Limited, London, England. Churn for the production of viscose. 2,618,471, Nov. 18.

Weightman, Herbert G., Berkeley, Calif., assignor to Stevens-Arnold Inc., Boston, Mass. Resonant magnetic switch assembly. Re. 23,454, Jan. 15.

Weighton, Donald, assignor to Pye Limited, Cambridge, England. Hybrid transformer coupling network for very high frequencies. 2,581,156, Jan. 1.

Weighton, Donald, assignor to Pye Limited, Cambridge, England. Arrangement for suppressing impulsive interference in the reception of amplitude modulated signals. 2,611,823, Sept. 23.

Weighton, Donald, assignor to Pye Limited, Cambridge, England. Pickup tube for television and the like. 2,619,531, Nov. 25.

Weigl, John W.: *See*—
Calvin, Melvin, and Weigl.

Weigle, Albert E., Irvington, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Fluid pressure-operated piston assembly. 2,612,871, Oct. 7.

Weigman, John J., Englewood, assignor of one-fourth to S. E. Kelley, Denver, Colo. Trailer hitch. 2,612,384, Sept. 30.

Weihe, Vernon I., Arlington, Va. Directional antenna controlled craft position plotting device. 2,595,315, May 6.

Weikart, Harry L., assignor to The Salem Tool Company, Salem, Ohio. Shank and socket connection for augers. 2,588,901, Mar. 11.

Weikart, John, Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for stripping finely dilvded solids. 2,587,554, Feb. 26.

Weikel, John H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Production of titanium dioxide. 2,589,909, Mar. 18.

Weikel, Karl F., assignee: *See*—
Miller, Joseph F.

Weikert, Roy J., assignor to The Joseph Lincoln Manufacturing Company, Inc., Covington, Ohio. Hat cover with perforated brim. 2,591,324, Apr. 1.

Weil, Ernest, assignee: *See*—
Furlong, Donn B.

Weil, James K.: *See*—
Ault, Waldo C., Nutting, and Weil.

Weil, Lester L., West Orange, N. J., and P. Tusa, Brooklyn, assignors to E. F. Drew & Co., Inc., New York, N. Y. Refining organic acid esters containing free acids. 2,583,193, Jan. 22.

Weil, Rudolf F., Kew Gardens, N. Y. Educational device. 2,618,078, Nov. 18.

Weiland, Clarence H., assignor to The Bell Machine Company, Oshkosh, Wis. Drill bit. 2,600,286, June 10.

Weiland, Edward A., Garfield Heights, assignor to The Hoover Company, North Canton, Ohio. Control for electric irons. 2,613,461, Oct. 14.

Weiland, Edward A., Garfield Heights, assignor to The Hoover Company, North Canton, Ohio. Suction cleaning tool with adjustable brush. 2,620,506, Dec. 9.

Weiler, Carl R.: *See*—
Glasener, Carl R., Willard, and Weiler.

Weiler, Robert E., Prospect Park, and J. S. Hardigg, Swarthmore, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable area jet nozzle. 2,603,062, July 15.

Weiller, Eugene W., Philadelphia, Pa. Frame made of paper. 2,590,357, Mar. 25.

Weimann, Henry: *See*—
Peremi, Edmund, and Weimann.

Weimar, Hans C., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Hydraulic control valve. 2,613,906, Oct. 14.

Weimer, John H., and H. J. Rockey, Sr., assignors to The Hubley Manufacturing Company, Lancaster, Pa. Toy firearm. 2,621,436, Dec. 16.

Weimer, Paul E., West Lafayette, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fluorinated compounds and producing same. 2,596,084, May 6.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,595,553, May 6.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,618,700, Nov. 18.

Weinacker, Hermann, Short Hills, and F. A. Dieterich, assignors to Universal Chain Co. Inc., Maplewood, N. J. Antikink ornamental chain. 2,601,575, June 24.

Weinandy, Leo M., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner having removable port-forming grid. 2,607,405, Aug. 19.

Weinberg, Edwin A., Troy, and G. W. White, Schenectady, N. Y. Valve. 2,610,821, Sept. 16.

Weinberg, Isidor, Brooklyn, N. Y. Adjustable cover for studio couch or the like. 2,619,658, Dec. 2.

Weinberg, Marvin, New York, N. Y. Adjustable arm support means. 2,584,310, Feb. 5.

Weinberg, Maurice J., New York, N. Y. Device for cutting a slab from a block of soft material such as butter or cheese. 2,589,911, Mar. 18.

Weinberg, Morton I., Ypsilanti, Mich. Collapsible barrier. 2,600,712, June 17.

Weinberg, Victor, Paris, France. Apparatus and method for molding prestressed concrete structural members. 2,590,478, Mar. 25.

Weinberger, David, assignee: *See*—
Matlas, Alfred.

Weiner, James R., assignor to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Monitoring system. 2,589,465, Mar. 18.

Weiner, Lee, Brooklyn, N. Y. Supplementary support for mattresses. 2,616,100, Nov. 4.

Weiner, Louis I.: *See*—
Zimmerman, John, Wolf, and Weiner.

Weiner, Nathan: *See*—
Schlesinger, Albert, Weiner, and Gordon.

Weinfurt, William J., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Electromagnetic control means. 2,617,050, Nov. 4.

Weingardt, George C., Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Window retaining means. 2,581,891, Jan. 8.

Weingart, John W., Waterbury, Conn. Wheeled snow shovel. 2,598,952, June 3.

Weingart, Richard I. N., New York, N. Y. Method and apparatus for applying heat in hot machining processes. 2,600,034, June 10.

Weingart, Richard I. N., New York, N. Y. Method and apparatus for controlling heat in hot machining processes. 2,600,453, June 17.

Weingarten, Joseph, Bronx, N. Y. Child's one-piece bifurcated winter garment. 2,597,211, May 20.

Weingarten, Morris R., Lancaster, Pa., assignor to Radio Corporation of America. Adjustable carrier for conveyer systems. 2,595,182, Apr. 29.

Weingartner, Adam A., North Bergen, N. J. Buttonhole spacer. 2,619,056, Nov. 25.

Weinhart, Martin: *See*—
Murphy, Harry N., Weinhart, and Murphy.

Weinheimer, Norman P.: *See*—
Lerner, Max M., and Weinheimer.

Weinhold, Clarence M., Cottonwood, Minn. Husk clearing device for corn shellers. 2,601,348, June 24.

Weinhouse, Sidney: *See*—
Kharasch, Morris S., and Weinhouse.

Weinig, Arthur J., Golden, Colo., assignor to Potash Company of America. Froth flotation concentration of sylvite from sylvinite ores. 2,588,443, Mar. 11.

Weining, Harry H., and H. A. Schlieder, Erie, Pa., assignors to Continental Foundry and Machine Company, East Chicago, Ind. Boiler feed water regulating apparatus. 2,604,902, July 29.

Weinreich, Charles F.: *See*—
Rishoi, Alfred H., Weinreich, and Burrell.

Weinrich, Arthur R.: *See*—
Colbert, William H., Weinrich, and Morgan.

Weinrich, Arthur R., Brackenridge, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Aluminum base alloy for metal evaporation. 2,589,175, Mar. 11.

Weinrich, William W., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Processing liquid hydrocarbons. 2,587,669, Mar. 4.

Weinrich, William W., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Processing liquid hydrocarbons. 2,587,670, Mar. 4.

Weinstein, Leon, St. Louis, Mo. Shank brace. 2,583,071, Jan. 22.

Weinstock, Albert, Brooklyn, N. Y. Cover for smoking pipes. 2,604,981, July 29.

Weintraub, Morris, assignee: *See*—
Thad, Theodore D.

Weintraub, Sam, Scarsdale, N. Y. Crotch formation in foundation garments. 2,617,101, Nov. 11.

Weir, Charlie T., Refugio, Tex. Sucker rod guide. 2,601,478, June 24.

Weir, Donald A.: *See*—
Ridler, Desmond S., and Weir.

Weir, G. & J., Limited, assignee: *See*—
Hillier, Harold.

Weir, James, and C. H. Dulin, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa Fusion joining. 2,598,027, May 27.

Weir, Richard L., Dayton, Ohio. Positive tow target exchanger. 2,604,324, July 22.

Weir, Robert H., Farnborough, assignor to Power Jets (Research and Development) Ltd., London, England. Air and fuel regulating means in internal-combustion turbine power plants. 2,582,809, Jan. 15.

Weir, Richard L., Warren, Ohio. Block making machine. 2,620,540, Dec. 9.

Weir, William, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Scraper conveyer. 2,610,730, Sept. 16.

Weirich, Henry: *See*—
Weirich, William F. and H.

Weirich, William F., Philadelphia, and H. Weirich, Lenni, Pa. Dispensing unit for slot insulation material. 2,595,375, May 6.

Weis, William B., assignor of ninety per cent to L. Helpert and ten per cent to R. A. Sloman, Detroit, Mich. Air motor and pump. 2,612,143, Sept. 30.

Weisbecker, August L.: *See*—
Showers, Ralph M., and Weisbecker.
Weisbecker, Frank G., Philadelphia, Pa. Knitting machine attachment. 2,583,453, Jan. 22.
Weisberg, Abraham E., New York, N. Y. Container for packaging merchandise. 2,580,712, Jan. 1.
Weisberg, Samuel M.: *See*—
Lewis, Dan, and Weisberg.
Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Protection of hydraulic power presses. 2,588,066, Mar. 4.
Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Extension cord tap. 2,609,414, Sept. 2.
Weisblat, David I.: *See*—
Magerlein, Barney J., and Weisblat.
Weisblat, David I., and D. A. Lyttle, assignors to The Upjohn Company, Kalamazoo, Mich. Glutamic acid synthesis. 2,606,921, Aug. 12.
Weisblat, David I., and B. J. Magerlein, assignors to The Upjohn Company, Kalamazoo, Mich. Synthesis of folic acid intermediates. 2,615,040, Oct. 21.
Weisblat, David I., and D. A. Lyttle, assignor to The Upjohn Company, Kalamazoo, Mich. Synthesis of tryptamine. 2,616,896, Nov. 4.
Weisblatt, Isaac, New Rochelle, N. Y. Fishing reel brake. 2,587,257, Feb. 26.
Weise, Carl A., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Thermostatic oil cooler control with surge preventing valve. 2,613,034, Oct. 7.
Weise, Frederick H.: *See*—
Hohl, George I., Weise, Rist, and Rist.
Weiser, Earnest F., Erie, Pa., assignor to General Electric Company. Temperature control device. 2,591,392, Apr. 1.
Weiser, George L.: *See*—
Nichols, Charles A., Bower, Weiser, Edwards, Fletcher, McCoy, and Sample.
Weiser, Robert E., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Two-speed planetary transmission. 2,588,187, Mar. 4.
Weisfeldt, Max J., New York, N. Y. Apparatus to record images of moving subjects. 2,587,018, Feb. 26.
Weisgerber, Cyrus A., assignor to Hercules Powder Company, Wilmington, Del. Copolymers of allyl acetamides. 2,592,218, Apr. 8.
Weisgerber, George A., Havertown, Pa., assignor to Johnson & Johnson. Sealing closure for containers. 2,620,939, Dec. 9.
Weisker, Ellis, Wells, N. Y. Demountable awning or sunshield structure for automobile windows. 2,594,238, Apr. 22.
Weiskopf, Edwin C., assignor to Technicon International, Ltd., New York, N. Y. Slide filing means. 2,619,233, Nov. 25.
Weiskopf, Edwin C., assignor to Technicon International, Ltd., New York, N. Y. Drier for microscope slides. 2,623,301, Dec. 30.
Weiskopf, Edwin C., assignor to Technicon International, Ltd., New York, N. Y. Electrically heated implement. 2,623,977, Dec. 30.
Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vitamin A derivatives and preparing the same. 2,583,194, Jan. 22.
Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Treatment of isomeric ester mixtures. 2,591,110, Apr. 1.
Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Treatment of nonalpha tocopherols. 2,592,628, Apr. 15.
Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Formylating and reducing nonalpha tocopherols. 2,592,629, Apr. 15.
Weisler, Leonard, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Formylating tocopherol material. 2,592,630, Apr. 15.
Weisman, Sam, Detroit, Mich. Backwater valve. 2,588,188, Mar. 4.
Weisner, John W., Highland Springs, Va. Cup rack. 2,614,699, Oct. 21.
Weisner, Ralph H., assignor to Wysong & Miles Co., Greensboro, N. C. Dovetailing machine. 2,606,581, Aug. 12.
Weiss, Abraham: *See*—
Weiss, Joseph and A.
Weiss, Alex J.: *See*—
Mautner, Henry M., and Weiss.
Weiss, Alexander C. H., Silver Spring, Md. Tissue sheet dispenser. 2,580,982, Jan. 1.
Weiss, Arnold A., assignor to Amity Leather Products Co., West Bend, Wis. Apparatus for controlling inventory replacements. 2,620,803, Dec. 9.
Weiss, Arthur J., West Englewood, N. J., assignor to R. Gair Company, Inc., New York, N. Y. Folding carton. 2,598,627, May 27.
Weiss, Arthur J., West Englewood, N. J., assignor to Robert Gair Company, Inc., New York, N. Y. Carton and carton blank. 2,609,138, Sept. 2.
Weiss, Benjamin, New York, N. Y. Self-locking twin garment hanger. 2,580,493, Jan. 1.
Weiss, Charles C., assignee: *See*—
Barnard, Norval J.
Weiss, Charles C., Oklahoma City, Okla. Die for tong heads. 2,596,880, May 13.
Weiss, Clarence B., and C. W. Dean, assignors to Buckeye Cotton Oil Company, Memphis, Tenn. Apparatus for removing liquid from cotton linters. 2,607,679, Aug. 19.
Weiss, Clarence B., and C. W. Dean, assignors to Buckeye Cotton Oil Company, Memphis, Tenn. Apparatus and method for processing vegetable fibers. 2,607,680, Aug. 19.
Weiss, Dewey S., Portland, Oreg. Locking pin. 2,594,239, Apr. 22.
Weiss, Eric A., Springfield Township, Delaware County, assignor to Sun Oil Company, Philadelphia, Pa. Mass spectrometer. 2,587,555, Feb. 26.
Weiss, Ernst, and K. Risch, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Striped, creped cellulose fabrics without moiré effect. 2,607,655, Aug. 19.
Weiss, Erwin A., and L. H. Frailing, Detroit, and R. P. Clifton, Dearborn, assignors to Packard Motor Car Company, Detroit, Mich. Control means for power transmission. 2,592,773, Apr. 15.
Weiss, Felix, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation. Condenser winding method. 2,617,605, Nov. 11.
Weiss, Gerhart, Long Island City, N. Y. Fluid motor operated toy vehicle. 2,596,000, May 6.
Weiss, Harry and F. Kammer, New York, N. Y. One-piece tie down device and grabhook. 2,591,986, Apr. 8.
Weiss, Henry G., Cincinnati, Ohio. Motion-picture projector attachment. 2,611,293, Sept. 23.
Weiss, Herbert K., El Paso, Tex. Apparatus for determining course of an aerial target. 2,583,033, Jan. 22.
Weiss, Herbert K., El Paso, Tex., assignor to the United States of America as represented by the Secretary of War. Gyroscopic gun sight. 2,612,692, Oct. 7.
Weiss, Joseph and A., New York, N. Y.; said A. Weiss assignor to said J. Weiss. Governor for the automatic control of brakes of motor vehicles or the like. 2,603,731, July 15.
Weiss, Karl, Melrose Park, Pa. Hydrometer. 2,600,035, June 10.
Weiss, Karl E., Arlington, Mass. Building block. 2,583,912, Jan. 29.
Weiss, Karl J., Bad Kreuznach, assignor to Jos. Schneider & Co., Kreuznach, Germany. Optical system with automatic photometering and diaphragm adjusting means. 2,612,091, Sept. 30.
Weiss, Leo H., assignee: *See*—
Hayman, George C.
Weiss, Leon N., assignee: *See*—
Marlowe, Harold J.
Weiss, Le Roy, assignor to Signode Steel Strapping Company, Chicago, Ill. Load retaining door having center support. 2,581,991, Jan. 8.
Weiss, Max, and S. Natelson, Brooklyn, N. Y. Apparatus for preparing concentrates. 2,587,556, Feb. 26.
Weiss, Michael, Cleveland, Ohio. Movable doll eyes. 2,604,730, July 29.
Weiss, Samuel, Portland, Oreg. Industrial truck attachment. 2,582,663, Jan. 15.
Weiss, Samuel, Portland, Oreg. Attachment for industrial trucks. 2,593,820, Apr. 22.
Weiss, Ulrich, Kew Gardens, assignor to Endo Products, Inc., Richmond Hills, N. Y. N-alpha mercapto acetyl amino aryl compounds. 2,607,789, Aug. 19.
Weiss, Walter J., Rolling Hills Area, Calif., assignor to Texaco Development Corporation, New York, N. Y. Drilling fluid. 2,584,768, Feb. 5.
Weissberg, Hannah, Far Rockaway, N. Y. Combination cap and eyeshield. 2,619,640, Dec. 2.
Weissberger, Arnold: *See*—
Loria, Anthony, Vittum, and Weissberger.
Loria, Anthony, Weissberger and Vittum.
Thirtle, John R., and Weissberger.
Young, Richard V., and Weissberger.
Weissberger, Arnold, and C. O. Edens, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Producing couplers from bi-functional amines. 2,589,004, Mar. 11.
Weissberger, Arnold, D. B. Glass and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. P-phenylenediamine developer containing N-alkylacetamido ethyl substituent. 2,592,363, Apr. 8.
Weissberger, Arnold, D. B. Glass and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. P-phenylenediamine developer containing alkylacylamidoethyl or alkylacylamidoethoxy ring substituents. 2,592,364, Apr. 8.
Weissberger, Arnold, and P. W. Vittum, assignor to Eastman Kodak Company, Rochester, N. Y. Arylidene-bispyrazolones. 2,618,641, Nov. 18.
Weissberger, Bela, New York, N. Y. Hair grooming device. 2,609,821, Sept. 9.
Weissenberg, Gustav, Marburg/Lahn, and O. Sänger, Wetzlar/Lahn, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Electronic optical correction mechanism for magnetic lenses. 2,587,942, Mar. 4.
Weisser, Karl: *See*—
Kahn, David, and Weisser.

Weisser, Karl, Cresskill, and D. Kahn, Englewood, assignors to David Kahn, Inc., North Bergen, N. J. Fountain pen with protractable and retractable point. 2,605,745, Aug. 5.
Weissman, George L., and H. A. Graffis, Detroit, Mich., said Graffis assignor to said Weissman. Danger detecting means for gas distributing systems. 2,585,882, Feb. 12.
Weiss, Paul B., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Selective separation of gel particles. 2,607,482, Aug. 19.
Weiss, Paul B., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separation of partly dried gel particles. 2,609,925, Sept. 9.
Weitemeyer, Mogens: *See*—
Christensen, Holger S., Otzen, Weitemeyer, and Andersen.
Weiterschan, Mabel, assignee: *See*—
Weiterschan, Michael A.
Weiterschan, Michael A., assignor of one-half to M. Weiterschan, Broadalbin, N. Y. Poultry shackling device. 2,583,913, Jan. 29.
Weitkamp, Alfred W.: *See*—
Bowman, Norman J., and Weitkamp.
Weitkamp, Alfred W., Whiting, and N. J. Bowman, Gary, Ind., assignors to Standard Oil Company, Chicago, Ill. Separation of organic esters. 2,598,953, June 3.
Weitmann, Otto, Cedar Grove, N. J., assignor to Lepel High Frequency Laboratories, Inc., New York, N. Y. Oscillator power supply apparatus. 2,583,979, Jan. 29.
Weits, John: *See*—
Held, Hans, and Weits.
Weits, Lewis H., Jr., Wampum, Pa. Building block. 2,598,867, June 3.
Weits, Norman A.: *See*—
Thompson, Ernest S., and Weits.
Weizmann, Charles, Rehovoth, Israel, assignor to Polymerisable Products Limited, London County, England. Condensation process. 2,592,365, Apr. 8.
Weksel, Eugene G., Brooklyn, N. Y. Cloth notching device. 2,608,758, Sept. 2.
Welburn, Harlin N., Three Rivers, Mich. Fork truck. 2,597,765, May 20.
Welch, Alanson U., Jr., West Townsend, Mass., assignor to General Electric Company. Arc starting system. 2,597,689, May 20.
Welch, Arthur E., Weston, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave pressure cooker. 2,622,187, Dec. 16.
Welch, Arthur R., Aberdeen, Wash. Making plywood having an overlay thereon. 2,606,138, Aug. 5.
Welch, Arthur R., Hoquiam, Wash. Method of and apparatus for making covered wood products. 2,601,349, June 24.
Welch, Charles H. and J. M., Staten Island, N. Y. Battery terminal connection. 2,602,105, July 1.
Welch, Edward, Valley Falls, R. I. Mouthpiece. 2,593,821, Apr. 22.
Welch, Edward, Valley Falls, R. I. Guard rail. 2,603,455, July 15.
Welch, Eric E., Kenton, assignor to The General Electric Company Limited, London, England. Depositing luminescent powdered material on surfaces by sedimentation. 2,621,134, Dec. 9.
Welch, Geoffrey W., assignee: *See*—
Larson, Charles A.
Welch, Gerald C., Rochester, N. Y. Surface test indicator. 2,621,413, Dec. 16.
Welch, Henry, Silver Spring, Md., assignor to the United States of America. Streptomycin-polymyxin-bacitracin composition. 2,594,374, Apr. 29.
Welch, Henry, Silver Spring, Md., assignor to the United States of America. Hydrolysis of beta lactam linkage by penicillinase. 2,601,350, June 24.
Welch, Henry, Silver Spring, Md., assignor to the United States of America. Pectin penicillin preparation. 2,603,583, July 15.
Welch, Jacob T.: *See*—
Linxweiler, Carl J., Moss, and Welch.
Welch, James M.: *See*—
Welch, Charles H. and J. M.
Welch, John F., Douglaston, N. Y. Indicator for telephone switchboards. 2,615,096, Oct. 21.
Welch, Lester M.: *See*—
Jasper, Gabriel E., and Welch.
Morrell, Charles E., and Welch.
Nelson, Joseph F., and Welch.
Welch, Lester M., Madison, N. J., assignor to Standard Oil Development Company. Copolymerization of divinyl benzene and isobutylene. 2,609,363, Sept. 2.
Welch, Lester M., Madison, N. J., assignor to Standard Oil Development Company. Lubricating oil additive materials. 2,614,080, Oct. 14.
Welch Manufacturing Company, assignee: *See*—
Tapner, Burton M.
Welch, Nicholas A., West Hartford, assignor to The American Hardware Corporation, New Britain, Conn. Latch. 2,591,647, Apr. 1.
Welch, Nicholas A., West Hartford, and W. J. Zeigenhein, assignors to The American Hardware Corporation, New Britain, Conn. Lock. 2,596,949, May 13.
Welch, Raymond, assignor to Goodall-Sanford, Inc., Sanford, Maine. Method and apparatus for uniting warps. 2,585,708, Feb. 12.
Welch, Robert L., Jr., assignee: *See*—
Phillips, Herbert W.
Welch, Stanley B., Milford, Conn., assignor to General Electric Company. Alarm for power failure. 2,617,867, Nov. 11.
Welch, Thomas R., Los Angeles, Calif. Relay. 2,587,557, Feb. 26.
Welch, William H., Jr., Romeo, Mich. Protecting trees during transplanting. 2,616,220, Nov. 4.
Welch, William W., assignee: *See*—
Fukal, Alfred F.
Welcher, Rex J., and C. W. Bingham, Eau Claire, Mich. Disk plow. 2,618,213, Nov. 18.
Weld, Leon S., Rochester, N. Y. Barrel bedding device for rides. 2,589,912, Mar. 18.
Welded Products Limited, assignee: *See*—
Baldwin, Leslie B.
Welden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Closure means for pressure cookers. 2,614,723, Oct. 21.
Welden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker and the like. 2,614,725, Oct. 21.
Welden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker. 2,614,726, Oct. 21.
Welden, William A., Stamford, Conn., and G. C. Wyman, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker with protective shield. 2,614,720, Oct. 21.
Weldin, Lewis C., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Loaded cartridge with frangible projectile. 2,593,637, Apr. 22.
Welding Engineers, Inc., assignee: *See*—
Fuller, Lawrence J.
Street, Louis F.
Welding Research, Inc., assignee: *See*—
Michelet, Marcel.
Scisky, David.
Solomon, Julius L.
Weldit, Incorporated, assignee: *See*—
Salter, William D., and Smith.
Weldon, Joseph T., assignor, by mesne assignments, to Multiscreen Corporation, New York, N. Y. Revolving multiple color screen process printing table. 2,613,595, Oct. 14.
Weldon, Robert: *See*—
Cunningham, Gale C., and Weldon.
Weldy, Arthur S., Mount Eden, Calif. Horizontal return fire tube boiler having a central furnace with double outlet. 2,593,946, Apr. 22.
Weldy, Robert K., Detroit, Mich., assignor, by mesne assignments, to American Bosch Corporation, Springfield, Mass. Fuel injection nozzle. 2,602,005, July 1.
Welge, Henry J.: *See*—
Williams, Philip S., and Welge.
Welhart, Charles, Alton, Ill., assignor to Owens-Illinois Glass Company. Glass container. 2,589,005, Mar. 11.
Welin-Berger, Guy J. O., Stockholm, Sweden. Heating means for internal-combustion engines. 2,623,511, Dec. 30.
Welinsky, Irving H.: *See*—
Milliken, Thomas H., Jr., and Welinsky.
Welker, Heinrich: *See*—
Bethge, Bernhard, and Welker.
Well Surveys, Incorporated, assignee: *See*—
Neufeld, Jacob.
Scherbatskoy, Serge A.
Swift, Lawrence M.
Thayer, Jean M., Swift, and Fearon.
Wellauer, Edward J., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Flexible shaft coupling with overload release. 2,618,136, Nov. 18.
Wellborn, Howell H., Dallas, Tex., assignor to Willard Storage Battery Company, Cleveland, Ohio. Rotating apparatus for blowing loose foreign material from articles. 2,602,003, July 1.
Wellens, William H., Chicago, Ill. Pivotally mounted plug and vaporizer. 2,611,068, Sept. 16.
Wellenstein, William H., Schenectady, N. Y. Engraving machine. 2,619,877, Dec. 2.
Weller, Anne L., assignee: *See*—
Wells, Chandler.
Weller, Barton L., Stepney, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Apparatus for detecting the passage of an object. 2,617,023, Nov. 4.
Weller, Barton L., Richland, Wash., assignor to The United States of America as represented by the United States Atomic Energy Commission. Radiation detector circuit. 2,617,946, Nov. 11.
Weller, Carl E., Easton, Pa. Electrically heated apparatus. 2,593,947, Apr. 22.
Weller, Sol W.: *See*—
Steiner, Waldo A., and Weller.
Weller, Ward W., Auburndale, Mass. Snowplow shoe. 2,611,979, Sept. 30.
Wellington, Welton G., assignor to Falcon Products, Inc., Pomona, Calif. Piston construction. 2,596,516, May 13.

Welliver, Charles: *See*—
Dalgliish, Herbert F., and Welliver.
Wellman, Clifton E., Hastings, Mich. Boring jig or drill guide. 2,602,238, July 8.
Wellman, Russell E., Ottumwa, Iowa. Fireplace andirons with auxiliary log packing means. 2,583,523, Feb. 12.
Wellman, S. K., Company, The, assignee: *See*—
Wellman, Samuel K.
Wellman, Samuel K., and Lowey.
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Shaping bimetallic articles. 2,607,246, Aug. 19.
Wellman, Samuel K., Cleveland Heights, and F. J. Lowey, Bay Village, assignors to The S. K. Wellman Company, Cleveland, Ohio. Method and apparatus for shaping bimetallic blanks. 2,607,245, Aug. 19.
Wellner, Reinhardt M., Philadelphia, Pa. Twisted string toy. 2,611,212, Sept. 23.
Wells, A., & Company Limited, assignee: *See*—
Barber, William E., and Cole.
Wells, Adoniram J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of olefins by particulate coal carbonization. 2,623,011, Dec. 23.
Wells, Alton R., assignee: *See*—
Dales, George F.
Wells, Arthur N., San Bruno, B. Tocci-Guilbert, and C. W. Renstrom, San Francisco, Calif. Motion translating mechanism. 2,608,101, Aug. 26.
Wells, Chandler, Williamsville, assignor of one-fourth to E. Shepard, Orchard Park, one-fourth to J. Urban, Buffalo, and one-fourth to A. L. Weller, South Brighton, N. Y. Paint can splash protector with handle. 2,601,190, June 17.
Wells Company, Inc., The, assignee: *See*—
Wells, Robert D.
Wells, Dallas E.: *See*—
Sheiden, Virgil M., and Wells.
Wells, Dana H.: *See*—
Wells, William F. and D. H.
Wells, David F., Westport, R. B. Thompson, Wilton, and E. J. Roberts, Westport, Conn., assignors to The Dorr Company (Inc.), New York, N. Y. Volatilization of tin values of tin ores. 2,600,351, June 10.
Wells, Douglas S., Toronto, Ontario, Canada. Golf bag support. 2,600,713, June 17.
Wells, Douglas S., Toronto, Ontario, Canada. Collapsible holder for landing nets. 2,615,272, Oct. 28.
Wells, Earl J., Comptche, Calif. Spindle. 2,621,452, Dec. 16.
Wells, George C., Lomita, assignor to Neal H. Anderson Oil Tool Co., Torrance, Calif. Slush pump piston and piston rod. 2,599,082, June 3.
Wells, Homer G., Memphis, Tenn. Operating mechanism for vending machines. 2,613,122, Oct. 7.
Wells, Horace P., South Bend, Ind. Carving board unit. 2,599,681, June 10.
Wells, Inc., assignee: *See*—
Burgesser, Leslie D.
Wells, Isaac S., assignor of two-thirds to J. M. Guice, Laurel, Miss. Pedal boat propulsion means. 2,592,498, Apr. 8.
Wells, Lloyd K., and S. X. Willard, Glendora, assignors to Petroleum Essentials, Inc., Los Angeles, Calif. Filling fitting. 2,593,712, Apr. 22.
Wells Manufacturing Company, assignee: *See*—
Fichtner, Edwin C.
Wells, William F.
Wells, Merle N., Fairview, Pa. Bedside stand and tray. 2,609,938, Sept. 9.
Wells, Philip H., Chatham, N. J., and C. H. Cramer, Great Neck, assignors to The Western Union Telegraph Company, New York, N. Y. Submarine cable overcurrent protective device. 2,611,032, Sept. 16.
Wells, Ralph L., deceased, Dunedin, Fla., by T. S. Wells, executrix. Delayed-action electric switch. 2,614,182, Oct. 14.
Wells, Richard T., assignee: *See*—
Lucas, Joseph E.
Wells, Robert D., Seattle, assignor to The Wells Company, Inc., Kirkland, Wash. Block molding machine. 2,590,908, Apr. 1.
Wells, Robert F., Decatur, Ga. Miniature novelty shoes. 2,606,105, Aug. 5.
Wells, Robert F., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 2,582,089, Jan. 8.
Wells, Robert S., Rugby, England, assignor to General Electric Company. Producing magnesium arsenate phosphor activated by manganese. 2,615,848, Oct. 28.
Wells, Sidney D., assignee: *See*—
Lewis, Robert G.
Wells, Theodore A., and H. L. Reiter, assignors to Beech Aircraft Corporation, Wichita, Kans. Multiengine safety feathering system. 2,601,902, July 1.
Wells, Tilton S., executrix: *See*—
Wells, Ralph L.
Wells, Verney F., Hampstead, N. C. Pressure regulator. 2,586,131, Feb. 19.
Wells, Wayne E.: *See*—
Tucker, Charles M., and Wells.
Wells, Wesley B., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Target reflector with foldable hood. 2,608,130 Aug. 26.
Wells, William F., assignor to Wells Manufacturing Company, Three Rivers, Mich. Band saw. 2,602,987, July 15.
Wells, William F. and D. H., Three Rivers, Mich. Power saw control. 2,601,576, June 24.
Wells, William J., assignor to F. N. Burt Company, Inc., Buffalo, N. Y. Article dispensing paper carton. 2,605,038, July 29.
Wells, William M., II, Columbia, S. C. Sliding back for press type cameras. 2,584,311, Feb. 5.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Loading mechanism for pneumatic guns. 2,581,505, Jan. 8.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Loading mechanism for pneumatic guns. 2,592,838, Apr. 15.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Pneumatic gun. 2,594,240, Apr. 22.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air gun. 2,604,088, July 22.
Wells, William S., Palo Alto, assignor to P. S. Linforth, San Francisco, Calif. Air gun breech magazine. 2,612,888, Oct. 7.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Repeat loading mechanism for pneumatic guns. 2,618,254, Nov. 18.
Wells, Willis L.: *See*—
Carpenter, Dorothy M., and Wells.
Wellworthy Piston Rings Limited, assignee: *See*—
Woolcott, Arthur J.
Welman, Douglas P., assignee: *See*—
Cooper, James, and Thomas.
Welsbach Corporation, The, assignee: *See*—
McChesney, Howard H.
Welsh, Alrena L., executrix: *See*—
Welsh, John T.
Welsh, Charles F., assignee: *See*—
Minor, Charles G.
Welsh, Dolan H., and E. A. Means, Wichita, Kans.; said Means assignor to said Welsh. Gauge for indicating pressure increase caused by heat in tires. 2,614,429, Oct. 21.
Welsh, Harold H., and G. A. Besaw, Los Angeles, Calif. Door latching and locking unit. 2,592,774, Apr. 15.
Welsh, James G., Jr., Somerville, Mass., assignor of fifteen per cent to A. Angelini, Torrington, Conn., forty-five per cent to F. K. Voellmecke, and twenty per cent to E. J. Doyle, Boston, Mass. Antiskid device. 2,589,207, Mar. 11.
Welsh, John T., deceased, Highland Park, N. J.; A. L. Welsh, executrix. Universal joint having one center of deflection. 2,584,648, Feb. 5.
Welsh, John T., deceased, Highland Park, N. J.; A. L. Welsh, executrix of said John T. Welsh. Power transmission unit with feed-back to vary the gear ratio. 2,604,798, July 29.
Welsh Manufacturing Company, assignee: *See*—
Lindblom, Frank W.
Welsh, Matilda D., Ladue, Mo. Adjustable handle bar. 2,617,670, Nov. 11.
Welsh, Matilda D., Ladue, Mo. Seat for baby furniture. 2,618,318, Nov. 18.
Welsh, Orine, and E. D. Noreen, St. Paul, Minn., assignors to The Sperry Corporation. Prebreaking mechanism for carton blanks. 2,605,679, Aug. 5.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Governing of free piston gas generator power plant. 2,585,200, Feb. 12.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Gas turbine plant, including multiple fluid operated motors with treatment between stages. 2,608,055, Aug. 26.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Starting device for free piston internal-combustion operated compressors or gas generators. 2,611,233, Sept. 23.
Welsh, Thomas P., assignee: *See*—
Znaidukas, John A.
Welsh, W. M., Manufacturing Company, assignee: *See*—
Kelsey, Lawrence C.
Welsh, William W., Rockville, assignor to Bowen & Company, Inc., Bethesda, Md. Suction electrode. 2,580,628, Jan. 1.
Welshenbach, Charles D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Golf club box. 2,604,255, July 22.
Welshenbach, Charles D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Handle for suitcase type containers. 2,605,041, July 29.
Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Warren Township, Mich. Directional and pressure control valve for hydralic straightening presses. 2,580,868, Jan. 1.
Welte, Benedict, Lake Orion, and O. J. Abbott, Jr., Detroit, Mich., assignors to Colonial Broach Company. Steady rest. 2,614,371, Oct. 21.
Welter, Grover C., Roswell, N. Mex. Cattle guard. 2,591,220, Apr. 1.

Weltlich, Robert T., assignor of one-half to A. E. Braun, Wooster, Ohio. Paint can splash protector. 2,591,482, Apr. 1.
Weltman, Clarence A.: *See*—
Kistiakowsky, George B., MacDougall, Eyster, and Weltman.
Weltmer, Wilton W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pipe joint. 2,583,401, Jan. 22.
Weltronic Company, assignee: *See*—
Rockafellow, Stuart C.
Undy, Gustav E.
Wright, Harold E., Jr.
Weltsch, Kurt, New York, N. Y. Lamp shade frame having an adhesively secured tubular cover. 2,607,886, Aug. 19.
Welty, Albert B., Jr.: *See*—
Fischer, Herbert G. M., and Welty.
Welty, Cleo M., Wichita, Kans. Sectional three-dimensional puzzle. 2,610,856, Sept. 16.
Welty, Frank and R. D., Youngstown, assignors to Carbonic Dispenser, Inc., Canfield, Ohio. Automatic liquid carbonator. 2,588,677, Mar. 11.
Welty, Raymond D.: *See*—
Welty, Frank and R. D.
Welz, Wilbur C., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Electrical measuring system. 2,623,916, Dec. 30.
Wemac Company, assignee: *See*—
Munch, Frank J., and Ross.
Ross, Howard S.
Wemp, Eleanor M., assignee: *See*—
Wemp, Ernest E.
Wemp, Ernest E., Detroit, Mich. Mechanism for transmitting torque. 2,599,214, June 3.
Wemp, Ernest E., assignor of sixty-five per cent to himself, five per cent to C. J. Smith, five per cent to L. K. Smith, twenty per cent to L. A. Wemp, Detroit, Mich., and five per cent to E. M. Wemp, Los Angeles, Calif. Automatic transmission. 2,599,215, June 3.
Wemp, Lila A., assignee: *See*—
Wemp, Ernest E.
Wempe, Fridolin J., Wichita, Kans. Self-cleaning garden rake. 2,603,057, July 15.
Wende, Hermann, Zurich-Zollikon, Switzerland, assignor to B. E. Smith, New York, N. Y. Slide fastener slider having pressure extensions. 2,606,351, Aug. 12.
Wende, Hermann, Zurich, Switzerland, assignor to B. E. Smith, New York, N. Y. Fastening device for garments, shoes, tents, and the like. 2,606,352, Aug. 12.
Wendel, Clifford A., Butte, Mont. Color scope. 2,583,676, Jan. 29.
Wendel, Frans B., Nokomis, Fla. Cigar and cigarette lighter. 2,594,700, Apr. 29.
Wendelken, Charles, Austin, Tex. Circumferentially traveling type tire removing tool. 2,615,507, Oct. 28.
Wender, Irving, and M. Orchin, Pittsburgh, Pa. Reduction of oxygenated thiophene compounds. 2,587,671, Mar. 4.
Wender, Irving, and M. Orchin, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Reduction of carbonyl compounds. 2,614,107, Oct. 14.
Wendler, Norman L.: *See*—
Hirschmann, Ralph F. and Wendler.
Wendling, Mildred L., Portland, Oreg. Feeding spoon. 2,610,400, Sept. 16.
Wendroff, Louis, New York, N. Y. Child's sleeping garment. 2,621,336, Dec. 16.
Wendt, Arnold R., and J. Kosten, Grand Rapids, Mich. Oar assembly. 2,593,822, Apr. 22.
Wendt, Delbert O., Bonner Springs, Kans. Bull lead with quick release. 2,595,432, May 6.
Wendt, Delbert O., Bonner Springs, Kans. Device for dispensing tablets and the like. 2,601,852, July 1.
Wendt, Harry C., Nahant, Mass., assignor to General Electric Company. Transmission system. 2,621,314, Dec. 9.
Wendt, Johannes H., Williams Bay, Wis. Concave bottom hull construction. 2,612,130, Sept. 30.
Wendt, Karl R., Eggertsville, N. Y., assignor to Radio Corporation of America. Synchronizing signal separator circuit. 2,605,350, July 29.
Wendt, Karl R., Eggertsville, N. Y. Method of and apparatus for separating materials of different specific gravity. 2,620,069, Dec. 2.
Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Keyed automatic gain control system. 2,586,193, Feb. 19.
Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Linearity control for cathode-ray tubes. 2,587,420, Feb. 26.
Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Television sync separator. 2,601,191, June 17.
Wendt, Karl R., Hightstown, and G. C. Szikiai, Princeton, N. J., assignors to Radio Corporation of America. Combination second detector, noise limiter, and gain control circuit. 2,585,883, Feb. 12.
Wendt, Merle B., assignor to Wingfoot Corporation, Akron, Ohio. Polyethylene film as an adhesive casting surface. 2,586,587, Feb. 19.
Wengel, Raymond W., assignor to Eastman Kodak Company, Rochester, N. Y. Optical infinity sight. 2,604,002, July 22.
Wengel, Sheldon M., Reedsburg, Wis. Display motor. 2,598,954, June 3.
Wengen, Henry R.: *See*—
Schoonmaker, Raymond B., Becker, and Wengen.
Wenger, Ella B.: *See*—
MacChesney, Chester M., and Wenger.
Wenger, Harvey M.: *See*—
Matthews, Charles, and Wenger.
Wenger, Wiley D., assignor to Electric Eye Equipment Company, Danville, Ill. Apparatus and circuit for heating articles. 2,584,951, Feb. 5.
Wenham, Fred L., Shaker Heights, and S. J. Kosik, Jr., assignors to Wenham Supply Company, Cleveland, Ohio. Vehicle splash guard. 2,619,363, Nov. 25.
Wenham Supply Company, assignee: *See*—
Wenham, Fred L., and Kosik.
Wenneche, Christian F., West De Pere, assignor to Fort Howard Paper Company, Green Bay, Wis. Apparatus for dispensing sheet material from rolls. 2,622,873, Dec. 23.
Wenner, Frank W., Davenport, Iowa. Anchor for decoys. 2,589,913, Mar. 18.
Wenner, Wilhelm, Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 6,7-dyhydro-5H-dibenz-[c,e]-azepine and derivatives thereof. 2,619,484, Nov. 25.
Wennerbo, Erik, and F. A. Svensson, assignors to A. H. Holstensson, Motala, Sweden. Record changing phonograph. 2,621,048, Dec. 9.
Wennlund, Otto H., Geneva, Ill. Milk cooler. 2,610,035, Sept. 9.
Wenrich, Herbert E., and R. J. Norce, Berwick, Pa. Loom box front. 2,596,315, May 13.
Wenscott, Max B., and C. O. Strom, assignor, by mesne assignments, to Speed-Meal Corporation, Racine, Wis. Gasket for pressure cookers. 2,600,714, June 17.
Wensley, Roy J., Charlotte, Mich. Protective relay for transmission systems. 2,595,032, Apr. 29.
Wentworth, Chandler: *See*—
Kihn, Harry, and Wentworth.
Wentz, George W., and G. Neumann, Milwaukee, Wis. Single mixing valve. 2,623,752, Dec. 30.
Wentz, Paul L., Fostoria, Ohio. Fishhook. 2,608,791, Sept. 2.
Wentzel, Frank C., Philadelphia, Pa. Dental impression tray. 2,594,832, Apr. 29.
Wenzel, Edwin H., Milwaukee, Wis. Combined water spray and chemical dispenser. 2,580,629, Jan. 1.
Wenzel, Walter, Oconomowoc, and E. Greenwald, Milwaukee, Wis. Golf ball retrieving device. 2,605,005, July 29.
Wenzelberger, Elwood P., assignor to Commonwealth Engineering Company of Ohio, Dayton, Ohio. Extraction and treatment of fruit products. 2,614,048, Oct. 14.
Werber, Jack, Newburgh, N. Y. Overall garment. 2,616,087, Nov. 4.
Werbin, Sanford J., assignor to Stein, Hall & Company, Inc., New York, N. Y. Enhancing the whipping properties of egg albumen solutions and whippable egg albumen compositions. 2,614,046, Oct. 14.
Werble, Eleanor: *See*—
Elderfield, Robert C., and Werble.
Werden, Henry J., West St. Paul, assignor to Zinsmaster Baking Company, Minneapolis, Minn. Endless conveyer having retractable flights. 2,591,987, Apr. 8.
Werenfels, Peter H.: *See*—
Barton, Loy E., and Werenfels.
Werey, Rudolph B., assignor to Conoflow Corporation, Philadelphia, Pa. Control system. 2,616,448, Nov. 4.
Werfel, Bernard, assignee: *See*—
Gerhardt, Fred.
Werkman, Robert T.: *See*—
Crouch, Willie W., Crosnoe, and Werkman.
Werkspoor N. V., assignee: *See*—
De Vries, Gerbertus H.
Wermlinger, Oscar R., Westwood, assignor to Air Associates Incorporated, Teterboro, N. J. Safety belt buckle. 2,622,293, Dec. 23.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Antibacklash device. 2,615,315, Oct. 28.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Switch. 2,622,160, Dec. 16.
Werner, Frank R., assignor to The National Cash Register Company, Dayton, Ohio. Voucher card machine release interlock. 2,587,019, Feb. 26.
Werner, Jesse, Brooklyn, N. Y., and D. E. Graham, Winfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. 1-methyl-5-chlorobenzene-2-thioglycollic acid. 2,585,709, Feb. 12.
Werner, Leo C.: *See*—
Dalley, Hampton J., and Werner.
Werner, Leo C., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lead-in filament support assembly. 2,608,667, Aug. 26.
Werner, Le Roy L., Washington, D. C. Gas dispensing device. 2,617,162, Nov. 11.
Werner Machine Company, Inc., assignee: *See*—
Rose, Werner P.

Werner, Robert V., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electric motor control system. 2,585,710, Feb. 12.
Werner, William L.: *See*—
Ostlind, Joel, and Werner.
Werner, Willy: *See*—
Steyer, Friedhelm, and Werner.
Wernig, James H., Bloomfield Village, assignor to General Motors Corporation, Detroit, Mich. Automobile no-draft ventilating window installation. 2,606,059, Aug. 5.
Wernig, James H., assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 2,609,561, Sept. 9.
Wernli, Max, assignor to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland. Screw threading apparatus. 2,622,252, Dec. 23.
Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright zinc electroplating. 2,600,352, June 10.
Wernts, Charles W., Warrenton, Mo. Hand sander. 2,592,093, Apr. 8.
Werring, Walter W.: *See*—
Gent, Edgar W., and Werring.
Wershaw, Irving B., assignor to Dome Chemicals, Inc., New York, N. Y. Crude coal tar dermatological compositions. 2,602,039, July 1.
Wertepny, Alexander W., and R. J., assignors of sixty per cent to S. A., and E. M. Wertepny and B. Luscalzo, Chicago, Ill. Pinking shears. 2,600,036, June 10.
Wertepny, Edward M., assignee: *See*—
Wertepny, Alexander W., and R. J.
Wertepny, Rudolph J.: *See*—
Wertepny, Alexander W., and R. J.
Wertepny, Stanley A., assignee: *See*—
Wertepny, Alexander W., and R. J.
Wertheim, Oscar and N. N. Moss, New York, N. Y. Soldering device. 2,615,415, Oct. 28.
Werther, Charles, Glen Cove, N. Y. Control for motor cars and the like. 2,603,320, July 15.
Werts, Everett W., Michigan City, Ind., assignor to C. A. Dunham Company. Balanced resistance type temperature control apparatus. 2,620,135, Dec. 2.
Werts, Louis S., assignee: *See*—
Klein, Alexander.
Volz, Carl.
Werts, Ralph D., and G. W. McCourtie, Detroit, Mich. Fish and game cleaning device. 2,607,070, Aug. 19.
Wescombe, Hugh C., assignor to Bristol Pneumatic Tools Limited, Bristol, England. Two-stage air compressor. 2,622,791, Dec. 23.
Wescott, John E., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Quick disconnect holding means. 2,613,961, Oct. 14.
Wescott, Lloyd: *See*—
Nichols, Louis A., Jr., and Wescott.
Weseman, Chester A., Austin, Minn. Gas burner. 2,595,739, May 6.
Weseman, Chester A., Austin, Minn., and C. E. Enger, Los Angeles, Calif., assignors to Roberts Products, Incorporated, Austin, Minn. Mechanism for producing clear ice bodies. 2,586,588, Feb. 19.
Weslake, Henry, Surbiton, England. Combustion chamber for internal-combustion engines. 2,622,579, Dec. 23.
Wesley, Robert O., assignor to Dairy Manufacturing Company, Plymouth, Mich. Packaging means for toy pistols. 2,601,192, June 17.
Wesley, Robert O., and C. W. Sundberg, assignors to Dairy Manufacturing Company, Plymouth, Mich. Target set. 2,615,717, Oct. 28.
Wesner, Mildred M.: *See*—
Levin, Robert H., and Wesner.
Wesp, George L.: *See*—
Fields, Joseph E., and Wesp.
Slocombe, Robert J., and Wesp.
Wessig, August, Chicago, Ill. Folding table. 2,592,839, Apr. 15.
Wesson, Clarke, D.: *See*—
Morgan, Weld, and Wesson.
West, Albert J., Oglesby, Ill., assignor to General Time Corporation, New York, N. Y. Progressive tool and improved method of progressively forming articles from strip stock or the like. 2,591,483, Apr. 1.
West, Allen, and Company Limited, assignee: *See*—
Pavitt, Frederick J.
West, Arthur E., assignor of one-fourth to J. H. West, one-fourth to W. Walters and one-fourth to E. B. True, Ladysmith, Wis. Safety device for motors. 2,581,737, Jan. 8.
West, Charles D., Orlando, Fla. Variable size molding fastener clip. 2,607,093, Aug. 19.
West, Edward E., Richmond, Va. Industrial bag stringing machine. 2,610,595, Sept. 16.
West, Ernest: *See*—
West, Frederick J. and E.
West, Fletcher L., assignor to The McCaskey Register Company, Alliance, Ohio. Cash drawer. 2,582,471, Jan. 15.
West, Fred W.: *See*—
Zerner, Ernst, Gradsten, and West.
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Coke and like screening machine. 2,612,264, Sept. 30.
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Discharge device for vertical retorts. 2,614,974, Oct. 21.
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Mechanical gas producers. 2,621,116, Dec. 9.
West, Harold E. W.: *See*—
Ballantyne, David H., and West.
West, Harry R., and M. E. Sayles, Pittsfield, Mass., assignors to General Electric Company. Induction voltage regulator. 2,612,635, Sept. 30.
West, Herbert J., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Nitroalcohol phosphate curing catalyst for aminoplasts. 2,597,736, May 20.
West, James M., Fayetteville, Tenn. Control mechanism for well pumps. 2,587,795, Mar. 4.
West, James P., Westmont, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of silica-boria catalysts containing alumina or magnesia. 2,584,405, Feb. 5.
West, James P., Westmont, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of catalyst containing silica and alumina or magnesia or both. 2,592,775, Apr. 15.
West, James P., Westmont, assignor to Universal Oil Products Company, Chicago, Ill. Reacting an organic compound of aluminum and/or magnesium with a group IV halide to form a catalyst. 2,606,877, Aug. 12.
West, James R.: *See*—
Hill, George B., and West.
West, Jay H., assignee: *See*—
West, Arthur E.
West, Joseph, London, and J. Brooksbank, Morden, England. Reed for musical instruments. 2,620,702, Dec. 9.
West, Juston W., Jenkintown, Pa. Navigation instrument. 2,593,509, Apr. 22.
West, Leonard C., Newell, S. Dak. Gauge attachment for saw machines. 2,619,134, Nov. 25.
West, Leonard R., and O. B. Sterett, San Diego, Calif. Trailer hitch dolly. 2,592,219, Apr. 8.
West, Paul B., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Baller. 2,600,037, June 10.
West, Russell A., Homeward, assignor to Whiting Corporation, Harvey, Ill. Machine for trimming stampings and the like. 2,618,309, Nov. 18.
West, Thomas S., assignor of 765/2000 to Blanco Oil Co., and 255/2000 to A. A. Buchanan, San Antonio, Tex. Gravel pack completion method. 2,597,554, May 20.
West, Thomas S., San Antonio, Tex. Well tester. 2,613,747, Oct. 14.
West, Thomas S., assignor of 765/2000 to Blanco Oil Co., and 255/2000 to A. A. Buchanan, San Antonio, Tex. Well completion. 2,623,595, Dec. 30.
West, Vern W., Bennett, Colo. Coin controlled fluid dispensing apparatus. 2,610,722, Sept. 16.
West, Vernon F.: *See*—
Hartley, Jack K., West, and Edwards.
West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Hatch frame and insulation supporting pan for refrigerator cars. 2,620,749, Dec. 9.
West, Willard W.: *See*—
Parsons, Clinton H., Campbell, and West.
West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugal switch. 2,595,621, May 6.
West Bend Aluminum Co., assignee: *See*—
Finch, Leonard E.
Heidner, Richard C., and Burkett.
Kircher, Ralph N., and Burkett.
Kircher, Ralph N., and Finch.
Kraemer, Elmore A., and Finch.
Westberg, Johan E. H., Syracuse, N. Y. Expansible clamp arbor. 2,593,638, Apr. 22.
Westbrook, Thomas B., assignee: *See*—
Schultz, Myrtle M.
Westbury, Roy, Oldbury, Bridgnorth, assignor to H. M. Hobson Limited, London, England. Apparatus operating the flying controls of aircraft. 2,597,420, May 20.
Westbury, Roy, Bridgnorth, and S. R. Tyler, Willenhall, assignors to H. M. Hobson Limited, London, England. Hydraulic servomotor and the like. 2,597,418, May 20.
Westbury, Roy, Bridgnorth, and S. R. Tyler, Willenhall, assignors to H. M. Hobson Limited, London, England. Hydraulic servomotor and the like. 2,597,419, May 20.
Westby, Gordon L., Deerfield, Wis. Automatic animal feeder. 2,599,030, June 3.
Westby, Walter P., and M. P. Hanson, Minneapolis, Minn.; said Westby assignor to said Hanson. Vegetable cutter. 2,590,909, Apr. 1.
Westcamp, Leslie L., Fair Oaks, Calif. Drawing easel. 2,600,145, June 10.
Westcamp, Leslie L., Fair Oaks, Calif. Combined table and drawing easel. 2,607,646, Aug. 19.
Westcott Chuck Company, assignee: *See*—
Harvey, Jesse C.
Wester, Alfred B., Jr., Woodbury, N. J. Fabric strip and holder therefor. 2,585,061, Feb. 12.
Wester, Henry P., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for holding container parts for assembly. 2,623,489, Dec. 30.

Wester, Horace V., Washington, D. C., and K. Dannevig, Everett, Wash.; said Dannevig assignor to said Wester. Liquid applicator. 2,605,587, Aug. 5.
Wester, Roy E., Greeneville, Tenn. Lid remover for wall can openers. 2,621,880, Dec. 16.
Westerberg, Oliver D., and W. H. Englehardt, Chicago, Ill., assignors to Tempret Products, Inc. Electrically heated mattress. 2,606,996, Aug. 12.
Westerfield, Harry J.: *See*—
Morris, Merchant U., and Westerfield.
Westerhouse, Louis M., Birmingham, Ala. Interlocking piston ring comprising two substantially identical parts. 2,607,645, Aug. 19.
Westerman, Albert and D., Traill County, N. Dak. Pivoted jaw wrench having jaw adjusting means. 2,584,952, Feb. 5.
Westerman, Donald: *See*—
Westerman, Albert and D.
Westerman, Sydney L.: *See*—
Bagno, Samuel M., and Westerman.
Western Condensing Company, assignee: *See*—
Meade, Reginald E.
Peebles, David D., and Girvin.
Peebles, David, Clary, and Meade.
Western Contracting Corporation, assignee: *See*—
Gebhard, Irvin L.
Western Electric Company, Incorporated, assignee: *See*—
Adams, George P.
Adams, Robert T.
Adams, Robert T., and Wagner.
Albersheim, Walter J.
Armbruster, Gordon E., and Cole.
Bain, Lewis A., Jr., and Malone.
Barber, Robert R., Powell, and Raetsch.
Barkstrom, Elmer E.
Baudry, René A., and Heller.
Beaulieu, Ezra J., and Thompson.
Beedy, Harold.
Bell, James S.
Bennert, Malcolm O., and Moore.
Bennett, Arthur L., and Mitchell.
Berggren, George E.
Berggren, George E., and Lovett.
Bilterman, Henry L.
Blair, Harold F.
Boynton, Wentworth D.
Brewer, Robert F.
Brewer, Robert F., and Henderson.
Brink, Earle H.
Browder, Lewis B.
Brown, Grant S.
Bunch, Tillman T.
Bureau, Arthur A.
Butterfield, Louis B.
Chatterton, Earl L., and Hegeman.
Clifford, Harry W., and MacDonald.
Clotworthy, Charles B., Jr.
Cox, Thomas K.
Cox, Thomas K., and Lyons.
Cranford, Jesse A.
Derr, Willard A.
Dixon, Alfred L., Gore and Rice.
Douglas, George R.
Dvorak, Howard A., Juvinall, and Miller.
Earle, Norman E.
Eger, Edward F., and Rasmussen.
Eppler, Walter T.
Ewaldson, Waldemar C.
Ewaldson, Waldemar C., and Selvig.
Fermanian, Armen, Soderman, and Workman.
Frank, George H.
Frank, Gerard A.
Franz, Erwin E.
Frisbie, Stewart E., and Weeks.
Frost, Lawrence W.
Galasso, Anthony A.
Gambrill, Richard D.
Geary, Edward S.
Geiger, Albert E., and Onali.
Gliss, George E.
Goldman, Jacob.
Gray, Alvin N.
Gross, Herbert R., and Massingham.
Haase, Carl O.
Hackbarth, Carl J.
Hamilton, James O.
Hansen, Lloyd D., and Overmyer.
Hanson, Estyle D.
Harder, Edwin L., Stringer, Moore, and Greenwood.
Hartwig, Edward C.
Heckman, Edward A., and Kling.
Henning, George E.
Henning, George E., and O'Leary.
Hermann, Norman T.
Hertenstein, Edgar W., Jr.
Herzog, Carl.
Hibbard, Lloyd J.
Holcomb, Arthur L., and Leavitt.
Hubers, Herman W., Jr.
Jensen, Vernon A.
Johnstone, Harold G.
Jones, Ruel C.
Joseph, Jay W.
Kane, John T.
Western Electric Company, Incorporated, assignee: *See*—Continued.
Kivley, Ray C., and Windsor.
Knuutl, Charles O.
Kraay, Robert A., and Larsen.
Krebs, John, Jr.
Kromer, Arthur P.
Larsen, Einer W., and Meyer.
Lawrence, Roger C.
Linsley, John W., Jr.
Lloyd, Stanley M.
Mamola, Peter J.
McCarthy, Rollin H.
McCollum, Thomas A.
McNair, Irving M.
Mellstrup, Emil E., and Sigmon.
Mennie, John H.
Messerschmidt, Henry L.
Miller, Merton R.
Moore, Norman C.
Moss, Earl C.
Nelson, Oscar G.
Nuttle, John C.
Parker, Earl W.
Pethes, Theodore J.
Powell, Paul R.
Rayburn, Vincent A.
Rayburn, Vincent A., and Robson.
Rinck, Franklin B., and Williams.
Robson, Duer C.
Rus, Albert F.
Rutherford, Albert D., Jr.
Schmuldt, Karl A.
Schwartz, Everett B.
Shivoder, Charles A., Jr.
Slechta, Henry C.
Smith, Scott V.
Soderman, George W.
Spillman, Gordon C.
Van Blarcom, Elsworth C.
Veale, Charles C.
Walker, Wallace A.
Wester, Henry P.
Williams, Alfred A.
Willitts, William M.
Wojciechowski, Bogumil M.
Wolfe, Halley.
Wondra, Raymond O.
Wynne, Walter W.
Zuck, Nicholas.
"Western Engineering Trust," trustee, assignee: *See*—
Nardulli, Michael J.
Western Equipment Company, assignee: *See*—
Dumbleton, Harold F.
Western Foundation Corporation, assignee: *See*—
Burrell, Harold P.
Caudill, Howard F.
Western, Inc., assignee: *See*—
Bloom, Allen.
Western Metalcraft, Inc., assignee: *See*—
Lay, Harvey T.
Western Newell Mfg. Co., assignee: *See*—
Hagen, Roger.
Schulz, William H., and Boehm.
Western Oil Tool & Engineering Co. Inc., assignee: *See*—
Moon, James.
Western Pickers, Inc., assignee: *See*—
Stankavich, Joseph A., M. S., and M. M.
Western Railway Equipment Company, assignee: *See*—
Pletzsch, Frank H.
Western Sales Agency Corporation, assignee: *See*—
McKenzie, Herbert W.
Western States Machine Company, The, assignee: *See*—
Hertrich, Joseph.
Western Union Telegraph Company, The, assignee: *See*—
Blanton, William B., and Scheinman.
Buckingham, William D.
Light, George G., and Blanton.
Markley, William F.
Pollard, Leon G.
Ridings, Garvice H.
Ridings, Garvice H., and Hackenberg.
Ridings, Garvice H., Hallden, and Currie.
Roddin, Daniel P., and Kline.
Turner, Frank T.
Vernam, Gilbert S.
Wells, Philip H., and Cramer.
Wilder, Harold F.
Wise, Raleigh J.
Wise, Raleigh J., and Parrott.
Wise, Raleigh J., and Ridings.
Westerveld, Frans, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulse counting circuit. 2,616,958, Nov. 4.
Westfahl, Jerome C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Delayed-action coagulant and coagulating acid-coagulable latex. 2,588,947, Mar. 11.
Westfahl, Jerome C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Delayed action coagulant and coagulating acid-coagulable latex. 2,588,948, Mar. 11.

Westfahl, Jerome C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Delayed action coagulant and coagulation. 2,588,949, Mar. 11.

Westfahl, Jerome C., Trumansburg, N. Y., and D. S. Sears, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of novel 2-carboalkoxy-1,3-butadienes and polymers thereof. 2,587,558, Feb. 26.

Westfalia Separator A. G., assignee: *See*—
Hemfort, Heinrich.
Steinacker, Peter, and Hemfort.

Westfall, Armin W., Belleville, Ill. Ignition point with protective means. 2,619,555, Nov. 25.

Westgarth, Katharine, Mamaroneck, N. Y. Apron with multiple compartment pocket. 2,617,103, Nov. 11.

West Haven Shipyard, Incorporated, assignee: *See*—
Bennett, Thomas G.

Westhaver, John L., San Diego, Calif. Motor drive for cameras. 2,615,347, Oct. 28.

Westhoff, Earl C., Belton, and J. J. Williams, Kansas City, Mo. Suction duster for Venetian blinds. 2,599,420, June 3.

Westin, Johan T., assignor to Aktiebolaget Hakanssons Industrier, Amal, Sweden. Oscillating contact device for periodical variation of electric current conditions. 2,618,717, Nov. 18.

Westinghouse Air Brake Company, assignee: *See*—
Aikman, Burton S.
Annear, Reed B.
Ashworth, Harry E.
Baughman, George W.
Bent, Arthur J.
Blosser, Herman G.
Bone, Herbert L.
Bone, Herbert L., Logan, and Gracey.
Bone, Herbert L., and McGowan.
Bone, Herbert L., McGowan, and Dodd.
Bone, Herbert L., and Woods.
Breisch, Edgar W., and McKenna.
Brooks, Ralph C., and Whaley.
Chu, Chi C.
Claus, William H.
Coughlin, William B.
Cubitt, Roger H., and Sell.
Dodd, Arthur E.
Dorlot, Kenneth E.
Douglass, Myrl R.
Erson, Erik G.
Fallor, Charles W.
Fallor, Franklin H.
Fereday, Frederick T., Sr.
Gilson, Robert M.
Gilson, Robert M., and Martin.
Gorman, Andrew T.
Gorman, Andrew T., and Cook.
Grosjean, Wilbur V.
Hart, Duane M.
Hewitt, Ellis E.
Hines, Claude M.
Holden, Phillip F.
Jackel, Arthur P.
Jacobs, William A., and Allen.
Jerome, Arthur L.
Jerome, Arthur L., Lewis, and Pascoe.
Johnston, Allan T.
Kelley, Cecil S.
Lewis, Wilbur M.
Lockhart, William K.
Logan, John W., Jr.
Marlowe, Elbert W.
Martin, Paul N.
May, Harry C., and Stevens.
McGowan, Kenneth J. J.
Myers, John R.
Newell, George K.
O'Hagan, Bernard E., and Martin.
Pascoe, Frank T., and Jerome.
Rost, Otto W.
Rowand, Howard C.
Shields, Charles B., and Quintin.
Shipp, Douglas G.
Snavely, Clarence S.
Sorensen, Andrew J.
Stevens, Roy R.
Stevens, Sydney A.
Stimler, Saul.
Taylor, Herbert L.
Taylor, Herbert L., and Hedding.
Thompson, Howard A.
Wells, Wesley B.
Whitney, Ralph T.
Williams, Samuel L., and Rush.
Winkler, Frederic C., and Wyman.
Young, Henry S.

Westinghouse Brake and Signal Company, Limited, assignee: *See*—
King, Kenneth G.
Peter, Leslie H., and Sheppard.
Peter, Leslie H., Sheppard, and Stevens.
Stevens, Sydney A., and Duckitt.
Thorp, Roger B.
Walker, Alec H. B., and Peter

Westinghouse Electric Corporation, assignee: *See*—
Abell, Donald E.
Ackermann, Otto.
Alben, Frank L.
Allbert, Eugene F., and Auburn.
Alpert, Daniel.
Alpert, Daniel, Kraslk, and Holstein.
Alsing, Carl F.
Altar, William.
Altar, William, and Smith.
Anderson, William H.
Anderson, William H., and Frey.
Anderson, William H., and Shingler.
Anderson, William H., Shingler, and Boyd.
Ardito, William A., and Pickford.
Auburn, Basil J., and Lessmann.
Bailey, Francis T.
Baker, Benjamin P.
Baker, Benjamin P., and Browne.
Baker, Benjamin P., and Frisch.
Baker, Benjamin P., Frisch, and Wilcox.
Baker, Benjamin P., and von Mehren.
Ballard, Lyttleton W.
Barnes, Thomas D.
Barrett, Lawrence D.
Baudry, René A.
Bayard, Robert T.
Beese, Norman C.
Beese, Norman C., and Gustin.
Bendz, Waldemar I.
Bentley, Oliver D. H.
Berberich, Leo J., and Anderson.
Bernarde, Henry L.
Birckhead, Taylor A.
Bonine, Ralph O., and Boden.
Botts, John C., and Philofsky.
Boyer, John L.
Boyer, John L., and Ballard.
Boyer, John L., and Slepian.
Boykin, John R.
Brahmer, Leland F., and Hanna.
Brandt, Weldon H., Rider, and Westphal.
Brecht, Winston A.
Brown, Charles R.
Brown, Myron J., and Lukaszewicz.
Brubaker, Wilson M.
Bryant, Ozro N.
Carleton, James T.
Carlson, Leonard H.
Carter, John M., and Boykin.
Cheek, Robert C.
Clark, Earl K.
Claybourn, Glen L., and Kocsis.
Cochran, John M.
Colalaco, August P., and Hopper.
Coleman, Clarence B.
Coltman, John W.
Coltman, John W., and Longini.
Craig, Floyd B., and Webb.
Crandon, Lawrence H.
Cushing, George B.
Cuttino, William H.
Dailey, Hampton J., and Borzin.
Dailey, Hampton J., and Werner.
Dakin, Thomas W., Works, and Boggs.
Darlington, Thomas B.
Derr, Willard A.
Dickinson, Robert C., and Frink.
Dill, Everett C.
Dorfman, Hiller D., and Freese.
Dorfman, Hiller D., and Patton.
Dunlop, James, and Durang.
Dyche, Howard E., Jr.
Dyer, Lloyd W., and Freese.
Eames, William F.
Edwards, Andrew W.
Ellis, Belvin B.
Ellis, Belvin B., Horstman, and Burkhardt.
Ellis, Delbert.
Else, Harry D.
Else, Harry D., and Weber.
Ems, Vern E.
Esarey, Raymond W.
Esselman, Walter H.
Fahnoe, Harold H.
Fisher, Martin H.
Ford, James G.
Freese, Gerald J.
Friedrich, Robert E., and Lentjes.
Friedrich, Robert E., and Sucha.
Frink, Russell E.
Frink, Russell E., and Dickinson.
Fromm, Marvin M., and Johnson.
Garbuny, Max.
Gero, William B.
Glassburn, William E.
Glick, Harvey L.
Godsey, Frank W., Jr.
Graham, Paul S., and Kennedy.
Grant, Eugene F.
Grine, Charles F.
Grissinger, George G., Lindstrom, and Sandin.
Gunter, Frank B.
Hageman, Aaron M., Jenkins, and Fraser.

Westinghouse Electric Corporation, assignee: *See*—Con.
Hagopian, Richard H.
Hagopian, Richard H., and Vore.
Hague, Floyd T.
Hanna, Clinton R.
Harmon, Ralph N., and Lee.
Hartwig, Edward C.
Hartwig, Edward C., and Large.
Hazeltine, Alan.
Heintzen, Harry R.
Heltchue, Regis D.
Herman, Richard H.
Herwald, Seymour W., and Watson.
Hester, Edgar A.
Hibbard, Lloyd J.
Hibbard, Lloyd J., Casanova, and Buchanan.
Hickam, William M.
Hildestad, Harold L.
Hill, Lawrence R., and Campbell.
Hills, Elmer G.
Hodnette, John K., and Leonard.
Holliday, Ivar M.
Hornbarger, Earl H.
Horton, William F.
Hunt, William T., Jr.
Hunter, Lloyd P.
Hushley, Walter J., and Longini.
Idle, James G.
Immel, Ralph B., and Pierce.
Jackson, Hagan L.
Jacob, Mark I.
James, William G.
Johns, Francis J., and Owens.
Johnson, Douglas.
Johnson, Floyd D.
Kalaway, John A.
Kelper, Phillip C., and Esselman.
Keyes, John J.
Kimball, Albert W., and Allbert.
Kincaid, Homer F., Graham, and Redmond.
King, William D., and Wichester.
Kinn, Theodore P.
Koch, Gustav H.
Kovalsky, Joseph F.
Kurlander, John H.
Laidig, Alfred H.
Laidig, Alfred H., and Richardson.
Large, William E.
Larson, Gilbert C.
Lee, Paul R.
Lee, Reuben.
Leeds, Winthrop M.
Leeds, Winthrop M., Friedrich, and Fry.
Lenehan, Bernard E.
Lensner, Herbert W.
Leonard, Merrill G., and Hager.
Lessmann, Gerhard P.
Lewin, Gerhard.
Lewin, Gerhard, and Goldman.
Lincoln, Roland L.
Lindstrom, Ture, Sandin, and Rawlins.
Lisbin, David M., and Bivans.
Ludwig, Leon R., Fockler, Formhals, and Walton.
Ludwig, Leon R., Stuellin, and Gamel.
Lund, Alvin O.
Lund, Alvin O., and Esselman.
Lyness, Arthur A., Jr., and Kinn.
Macaluso, Francis L.
Madden, Henry I.
Madsen, Carl J.
Marbury, Ralph E.
Marcum, Jess I.
Marsden, Douglas J.
Marshall, Fitz-Hugh B.
Marshall, Fitz-Hugh B., and Coltman.
McBride, Byron V.
McClellan, Cyril E.
McCloy, Graham S.
McGowan, Michael E.
McGridge, Byron V.
McNall, John W.
Mershon, Clarence L.
Meyer, Frank A.
Mierley, George M.
Mierley, George M., and Semar.
Mikina, Stanley J.
Miller, Coleman J.
Miller, Ernest F.
Miller, Lawrence E.
Miner, John D., Jr., Austin, and Jessee.
Minter, Herbert F., Foster, and Leven.
Mitchell, William H.
Mochel, Norman L., and Pratt.
Morton, Eldred O.
Mosshart, Donald J.
Moynihan, John D.
Musk, Henry A.
Nagel, George W.
Nagy, Rudolph, and Wollentin.
Neal, Robert A.
Newcombe, Frank A.
Nielsen, Russell A.

Westinghouse Electric Corporation, assignee: *See*—Con.
Nobles, Charles E., and Lee.
Osbon, William O.
Pakala, William E.
Parsons, John R.
Peck, Clarence E., and Hoop.
Penney, Gaylord W.
Penney, Gaylord W., and Hewitt.
Pennow, Willis A.
Pierce, Lawrence, and Ponstingl.
Ponstingl, John C.
Potter, Manley C.
Quartullo, Orpheus F., and Baade.
Radcliffe, Remington S.
Ralston, George, and Goggio.
Rawlins, Herbert L.
Rawlins, Herbert L., and Wallace.
Redding, Arnold H., and Benedict.
Reynolds, Delos J.
Richardson, Earl L.
Riesz, Kolman.
Riley, Lynn G.
Rissler, Lennius R.
Rissler, Lennius R., and Kraft.
Roeding, Fred C., and Stein.
Rugg, Harold H.
Runk, Robert H.
Santini, Danilo.
Sauer, Louis E.
Savage, Conwell.
Schaelchlin, Walter, and Winchester.
Schwendner, Anthony F.
Shankle, Derrill F., and Barkle.
Silvius, Paul.
Slepian, Joseph.
Smith, Benjamin H., and Rosenberger.
Smith, Homer E.
Snyder, Frederick D.
Sonnemann, William K.
Sonnemann, William K., and Riesz.
Specht, Theodore R.
Stadum, Clarence B.
Stadum, Clarence B., Hartwig, and Large.
Stadum, Clarence B., and Large.
Sterling, Robert F.
Straka, Cyril J.
Stratton, Arthur T.
Suozzo, John.
Swingle, Ralph H.
Swiss, Jack, and Arntzen.
Swiss, Jack, and Hewitt.
Taylor, Charles H.
Taylor, John W., Jr.
Taylor, Owen L.
Thurston, Vinal D.
Tizzard, Thomas W., Jr.
Trigg, Warren M.
Volker, John F.
Wade, Marion E.
Walker, Eugene J.
Wallace, James M.
Wallace, James M., and Rawlins.
Wallace, James M., Rawlins, Cumming, and Aspey.
Warburton, Ray W.
Warburton, Ray W., and Morley.
Way, Stewart, Hershey, and Boyd.
Webb, J Irwin.
Webster, Benjamin C.
Weiler, Robert E., and Hardigg.
Werner, Leo C.
Whitmore, James B., and Newcombe.
Wickerham, William R.
Wiese, David B.
Wiese, David B., and Bernarde.
Wilcox, Charles A.
Winchester, Amos J., Jr.
Winchester, Amos J., Jr., and King.
Witzke, Raymond L.
Woodman, Kenneth L.
Wright, Robert L., and Hayes.
Wright, Willard L., and Mueller.
Yeoman, Frederick A.
Young, Douglass A., Lunas, and Lenehan.

Westlake, Edward B., Jr., Havertown, Pa. Telephone card holder. 2,584,769, Feb. 5.

Westley, Frederick M., Kirtland, Ohio. Bowling ball bag. 2,617,012, Nov. 4.

Westling, Carl J., West Orange, N. J. Screw drive mechanism. 2,606,454, Aug. 12.

Westling, Lester L., Oakland, Calif. Method and apparatus for transporting and storing frozen comestibles. 2,586,893, Feb. 26.

Weston, Arthur W., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Thiophene and halothiophenecarboxaldehydes. 2,601,479, June 24.

Weston, Donald E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute with trap for products of arcing. 2,623,139, Dec. 23.

Weston Electrical Instrument Corporation, assignee: *See*—
Erbguth, Paul F. K.
Lamb, Anthony H.
Lamb, Anthony H., and Kebbon.
Lederer, Karl M.
Parsegian, Voscan L., and Swedlow.

Weston, Herbert, New York, assignor to Visirecord, Inc., Long Island City, N. Y. Accounting and filing system. 2,584,174, Feb. 5.

Weston, Rubin, Los Angeles, Calif. Auxiliary mattress pad. 2,606,330, Aug. 12.

Weston, Selwyn F.: *See*—
Morley, Ronald J., and Weston.

Weston, William K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. High-frequency coaxial cable outer conductor. 2,606,953, Aug. 12.

Westover, George, London, England. Apparatus for photographically composing text matter. 2,616,330, Nov. 4.

Westphal, Raymond C.: *See*—
Brandt, Weldon H., Rider, and Westphal.

Westphal, Walter, assignor to Rexford Paper Company, Milwaukee, Wis. Drier roll. 2,582,365, Jan. 15.

West Point Manufacturing Company, assignee: *See*—
Beall, Charles R.
Granberry, Edgar H.
Piper, Frank R., and Fairfax.
Piper, Frank R., and Gardner.
Roberts, George C.

Westronics, Inc., assignee: *See*—
Basham, Raymond B., and Macune.

West's Gas Improvement Company Limited, assignee: *See*—
West, Frederick J. and E.

West Virginia Pulp and Paper Company, assignee: *See*—
Keilen, John J., Jr., Ball, and Gressang.
Pollak, Arthur.
Smith, Roscoe S.

West Virginia Steel and Manufacturing Company, assignee: *See*—
Haskell, James B.

Westward Washing Machine Company, assignee: *See*—
Bennett, Wesley B.

Westwater, George: *See*—
Dulken, Charles F., Sonntag, and Westwater.

Westwood, Carridon G., South Bend, Ind., assignor to G. H. Bishop Company, Chicago, Ill. Outside shoulder-pressing machine for garments and the like. 2,618,084, Nov. 18.

Westwood, David H., Haddonfield, N. J., assignor to Radio Corporation of America. Electric pulse delay circuit. 2,599,305, June 3.

Wethe, Harry K., and R. H. Duncanson, Minneapolis, Minn., assignors, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass. Container blank delivery mechanism. 2,598,150, May 27.

Wetherbee, Franklin C., Middle Haddam, Conn. Box for flatware. 2,587,559, Feb. 26.

Wetherell, Russell A., Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Machine for making cushioned pads. 2,620,854, Dec. 9.

Wetherell, Russell A., Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Cushioned pad for use in jewelry boxes and making same. 2,621,142, Dec. 9.

Wetherill, Geo. D., Varnish Co., Inc., assignee: *See*—
Haines, Edward C.

Wets, Carlos, and A. Paduart, Uccle-Brussels, Belgium. Jetty and like structure. 2,612,758, Oct. 7.

Wetta, Joseph L.: *See*—
Bert, Raymond E., and Wetta.

Wettlaufer, Elmer G., Bloomfield Hills, Mich. Combination door pull-to and armrest. 2,601,677, June 24.

Wettley, Eberhard E., Chicago, Ill. Cutting implement drive means. 2,601,193, June 17.

Wettstein, Albert: *See*—
Meystre, Charles, and Wettstein.
Miescher, Karl, Ehmann, and Wettstein.

Wettstein, Albert, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 21-substituted thioacetals of 20-oxo-pregnanes and 20-oxo-pregnenes. 2,598,653, May 27.

Wettstein, Albert, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 21-substituted thioenol ethers of 20-oxo-pregnanes and 20-oxo-pregnenes. 2,598,654, May 27.

Wettstein, Erwin: *See*—
Kesselring, Fritz, and Wettstein.

Wettstein, Erwin, Zurich, assignor to FKG Fritz Kesselring Gerätebau Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Synchronous electric current switching apparatus. 2,610,231, Sept. 9.

Wettstein, Fritz A., Traneberg, Sweden. Pneumatic springing and damping arrangement for vehicles. 2,622,872, Dec. 23.

Wetzel, Charles H., assignor to Wayne Iron Works, Wayne, Pa. Grandstand. 2,588,783, Mar. 11.

Wetzel, Frank O.: *See*—
Knosp, Robert N., Linden, and Wetzel.
Linden, Carl E., and Wetzel.

Wetzel, John F.: *See*—
Heroux, Clarence B., and Wetzel.

Wetzel, Paul E.: *See*—
Cleland, Fred B., Baranecky, Kolk, and Wetzel.

Wetzler, Charles E., Long Island City, N. Y. Reed instrument and manufacturing same. 2,592,220, Apr. 8.

Wetzler, Charles E., Long Island City, N. Y. Reed operated musical instrument. 2,595,316, May 6.

Wetzler, Justin J., assignor to Shellmar Products Corporation, Chicago, Ill. Carton setup machine. 2,585,201, Feb. 12.

Wexler, Morris: *See*—
Jelaso, Abraham, Wexler, and Hertzberg.

Weyandt, Carl S., Homer City, Pa. Electric hammer with rectifier in handle. 2,613,241, Oct. 7.

Weyandt, Carl S., Homer City, and N. C. McKelvy, Blairsville, assignors to Syntron Company, Homer City, Pa. Manually adjustable choke valve. 2,609,173, Sept. 2.

Weyant, Valone V., assignor to The Yoder Co., Cleveland, Ohio. Sawing machine. 2,596,630, May 13.

Weyerhaeuser, Frederick, St. Paul, Minn., assignor to Rock Island Millwork Company, Rock Island, Ill. Production of hot-molded articles from wood sawdust. 2,583,618, Jan. 29.

Weyerhaeuser Timber Company, assignee: *See*—
Heritage, Clark C.
Heritage, Clark C., and Van Beckum.
Stewart, Thomas W.

Weymouth, Lawrence B., assignor to Briggs Manufacturing Company, Detroit, Mich. Laminated panel. 2,616,823, Nov. 4.

Weyrauch, Cyril J., Ray, N. Dak. Saw sharpener with motor-driven rotary sharpeners. 2,585,063, Feb. 12.

Weyrauch, William F., Elmwood Park, Ill. Phone call recorder. 2,615,093, Oct. 21.

Whalen, Arthur J.: *See*—
Hedquist, Milton T., Mayhew, Van De Sampel, and Whalen.

Whalen, Edward A., assignor to Wha-Lite Products, Chicago, Ill. Featheredge. 2,608,852, Sept. 2.

Whaley, Fred S.: *See*—
Brooks, Ralph C., and Whaley.

Whaley, John W., assignor to Crawford Manufacturing Co., Inc., Richmond, Va. Conveyer system. 2,600,038, June 10.

Whaley, Randall M.: *See*—
Lark-Horovitz, Karl, and Whaley.

Whaley, Thomas H., Jr., Mount Vernon, N. Y., assignor to Phillips Petroleum Company. Dual phase control. 2,600,039, June 10.

Wha-Lite Products, assignee: *See*—
Whalen, Edward A.

Whalley, George E.: *See*—
Fallert, Clifford D., and Whalley.

Wharton, Armistead, and T. Frankel, Rochester, N. Y., assignors to Stromberg-Carlson Company. Contact spark suppression circuit. 2,608,607, Aug. 26.

Wharton, Edward M.: *See*—
Chao, Tsai H., and Wharton.

Wharton, Leonard O., Jr., Fort Worth, Tex. Gas valve assembly for oil wells. 2,595,824, May 6.

Wharton, William, Hadley Wood, near Barnet, England. Cultivating and tilling machine. 2,622,498, Dec. 23.

Whatley, William T., Port Arthur, Tex. Removing scale from heating coils. 2,600,820, June 17.

Whatmore, Marvin C., Norwalk, Conn. Rewinding paper core waste. 2,617,606, Nov. 11.

Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Reflector apparatus for miners' lamps. 2,611,073, Sept. 16.

Wheat, Grant, and A. G. Davis, assignors to Koehler Manufacturing Company, Marlboro, Mass. Miner's lamp. 2,608,849, Sept. 2.

Wheat, Grant, and A. G. Davis, assignors to Koehler Manufacturing Company, Marlboro, Mass. Chimney assembly for miners' safety lamps. 2,609,486, Sept. 2.

Wheat, Grant, and A. G. Davis, assignors to Koehler Manufacturing Company, Marlboro, Mass. Magnetic lock for miners' safety lamps. 2,609,487, Sept. 2.

Wheatley, Edward W.: *See*—
Fisher, James W., and Wheatley.

Wheatley, Thomas, Houston, Tex. Valve assembly. 2,589,176, Mar. 11.

Wheaton, Edward C., assignee: *See*—
Hamilton, Robert P.

Wheaton, Henry C.: *See*—
Fellows, Frank H., and Wheaton.

Wheaton, Henry H., Verona, N. J. Rocking support. 2,607,590, Aug. 19.

Wheel Aligning Necessities, Inc., assignee: *See*—
Castiglia, Biagis.

Wheelco Instruments Company, assignee: *See*—
Semm, Paul T.

Wheelden, Harry L., Bangor, Maine. Extension ladder. 2,610,875, Sept. 16.

Wheeler, Benjamin F., and H. R. Mathwich, Haddonfield, N. J., assignors to Radio Corporation of America. High-frequency mixer circuit. 2,616,037, Oct. 28.

Wheeler, Byrhl F., Balston Spa, N. Y. Electric delayed-impulse valve and switching circuit therefor. 2,608,999, Sept. 2.

Wheeler, C. H., Manufacturing Company, assignee: *See*—
Link, Harry W.
Stephanoff, Nicholas N.

Wheeler, Charles M.: *See*—
Hendrick, Lloyd M., and Wheeler.

Wheeler, Dee G., assignor to The Celotex Corporation, Chicago, Ill. Apparatus for expanding slag. 2,605,501, Aug. 5.

Wheeler, Edward M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Hood forming machine. 2,614,515, Oct. 21.

Wheeler, Everett T., Brookline, Mass. Combination shutter and awning. 2,611,936, Sept. 30.

Wheeler, Florence H., assignee: *See*—
Wheeler, Sidney W.

Wheeler, Glenn E., Hamburg, N. Y., assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for carrying and adjustably positioning elongated articles. 2,612,366, Sept. 30.

Wheeler, Gordon D., and J. H. Reilly, Monte Vista, Colo. Refrigerant attachment for cartons. 2,609,670, Sept. 9.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Arrangement for desensitizing high-frequency electrical-wave apparatus. 2,591,484, Apr. 1.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Directional coupler. 2,606,974, Aug. 12.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tunable constant band-width signal-translating stage. 2,609,460, Sept. 2.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Signal translating arrangement. 2,609,496, Sept. 2.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Electromagnetic-wave energy-absorbing material. 2,610,250, Sept. 9.

Wheeler, Henry C., assignor to Acme Shear Company, Bridgeport, Conn. Pinking shears. 2,582,184, Jan. 8.

Wheeler, Henry C., assignor to Acme Shear Company, Bridgeport, Conn. Pinking shears. 2,595,033, Apr. 29.

Wheeler Insulated Wire Co. Inc., assignee: *See*—
Baker, Randall B.

Wheeler Insulated Wire Company, Incorporated, The, assignee: *See*—
Baker, Randall B.

Wheeler, John W., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Hydraulic brake actuator for helicopter rotors. 2,600,715, June 17.

Wheeler, Keith W., Wyoming, and V. W. Gash, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Meta-thiazines. 2,585,064, Feb. 12.

Wheeler, Leo R., deceased, by M. M. Wheeler, administratrix, Niagara Falls, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft undercarriage. 2,623,719, Dec. 30.

Wheeler, Marcus A.: *See*—
Gresham, Harold E., Wheeler, and Hall.

Wheeler, Marguerite M., administratrix: *See*—
Wheeler, Leo R.

Wheeler Reflector Company, assignee: *See*—
Elmer, William B.

Wheeler, Richard H., Utica, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,589,649, Mar. 18.

Wheeler, Sidney W., assignor of one-half to F. H. Wheeler, South Berlin, Mass. Wheel carried applying and removing antiskid device. 2,614,600, Oct. 21.

Wheeler, Thomas, Milton, Mass. Apparatus for heating and storing water. 2,621,901, Dec. 16.

Wheeler, William, St. Albans, N. Y., assignor to Sylvania Electric Products Inc. Cathode heater structure. 2,589,522, Mar. 18.

Wheeler, William, St. Albans, and W. C. Wicke, Amsterdam, N. Y., assignors to Sylvania Electric Products, Inc. Heater. 2,589,521, Mar. 18.

Wheeler, William H., New York, N. Y., J. M. von Bergen, Scotch Plains, N. J., and G. W. Meek, Pelham, assignors to Airkem, Inc., New York, N. Y. Combined vapor diffuser and ash tray. 2,603,532, July 15.

Wheeling Steel Corporation, assignee: *See*—
Raper, Richard.

Wheelock, Carlton M., Milwaukee, Wis. Gas burner with secondary air feed. 2,610,676, Sept. 16.

Wheelock, Charles E., Cincinnati, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Detergent composition. 2,616,855, Nov. 4.

Wheelock, George L., Coventry Township, Summit County, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of synthetic polymeric materials. 2,614,093, Oct. 14.

Wheelock, George L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plasticised vinyl resin compositions and preparing the same. 2,614,094, Oct. 14.

Wheel Truing Tool Company, assignee: *See*—
Bruce, Stanford P.
Catallo, Leo.
Wallace, Harry W.

Wheel Truing Brake Shoe Company, assignee: *See*—
MacDonald, Frederick W., and Lavrino.

Wheildon, William M., Jr., Framingham, assignor to Norton Company, Worcester, Mass. Bearing combination. 2,602,708, July 8.

Wheildon, William M., Jr., Framingham, assignor to Norton Company, Worcester, Mass. Bearing combination. 2,602,709, July 8.

Wheildon, William M., Jr., Framingham, assignor to Norton Company, Worcester, Mass. Bearing combination. 2,602,714, July 8.

Whelan, James P., Wollaston, assignor, by mesne assignments, of one-half to Craig Machine, Inc., Danvers, Mass., and one-half to Whyte-Dunn, Inc., Auburn, Maine. Vending machine. 2,606,803, Aug. 12.

Whelan, John C., Napa, Calif. Pivotal mounting arrangement with clutch for flash lamps and the like. 2,602,879, July 8.

Wheland Company, The, assignee: *See*—
Cahoon William F.

Whelchel, Rupert C.: *See*—
Foust, Floyd J., Burk, and Whelchel.

Whelchel, Rupert C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Commutator testing and sorting device. 2,609,927, Sept. 9.

Whelpley, Gordon E.: *See*—
Miller, Raymond J., Garmager, and Whelpley.

Whetstone, John: *See*—
Butchart, Alexander, and Whetstone.
Taylor, James, and Whetstone.

Whetstone, John, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Ammonium nitrate in free-flowing form and preparing same. 2,616,786, Nov. 4.

Whetstone, John, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Free-flowing ammonium nitrate and production of same. 2,616,787, Nov. 4.

Whetstone, Richard R.: *See*—
Blondeau, René, Van Overbeek and Whetstone.

Whetstone, Richard R., Orinda, assignor to Shell Development Company, San Francisco, Calif. Cyclic organic compounds. 2,610,193, Sept. 9.

Whetstone, Richard R., Albany, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Permanently fusible diallyl ester copolymers and compositions of nitrocellulose therewith. 2,585,359, Feb. 12.

Whetstone, Richard R., and D. L. E. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Esters of aliphatic triols. 2,585,884, Feb. 12.

Whetzell, Glenn H.: *See*—
Wiesman, Clarence K., Whetzell, and Schjeldahl.

Whewell, Robert, Jr., assignor to The Warner & Swasey Company, Cleveland, Ohio. Shuttle cleaner. 2,599,731, June 10.

Whigham, Carl L., Odessa, Tex. Oil well safety device. 2,606,619, Aug. 12.

While, Thomas G., Cuyahoga Falls, Ohio, and W. E. Ray, Dearborn, Mich., assignors to Wingfoot Corporation, Akron, Ohio. Demonstrating device. 2,601,730, July 1.

Whinfield, John R.: *See*—
Hall, John D. H., Ridge, and Whinfield.

Whinnery, John R.: *See*—
Jamieson, Hugh W., and Whinnery.

Whipple, Jack V., New York, and J. W. Topa, Jamaica, N. Y., assignors to B. E. Bostwick, South Orange, N. J. Pocket implement. 2,611,178, Sept. 23.

Whipple, Jack V., New York, G. P. Bentley, Garden City, and E. P. Bentley, New York, N. Y., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Elevating mechanism for bowling alley pits. 2,620,187, Dec. 2.

Whipple, Jack V., New York, G. P. Bentley, Garden City, and E. P. Bentley, New York, N. Y., assignors to The Brunswick-Balke-Colender Company, Chicago, Ill. Pin setting apparatus for bowling machines. 2,621,961, Dec. 16.

Whirlpool Corporation, assignee: *See*—
Geldhof, Peter E.
Geldhof, Peter E., and Morrison.
Geldhof, Peter E., and Ringer.
Morrison, Harold E.

Whisler, Ralph H., Jr., and D. A. Palmer, assignors to Patent Development Company, Monroe, Mich. Shock absorber valve. 2,616,711, Nov. 4.

Whissel, Samuel H., Tulsa, Okla. Ventilator. 2,602,390, July 8.

Whistle Stop Incorporated, assignee: *See*—
Lynch, Harold C.

Whiston, Howard C., Clairton, Pa. Circular open hearth melting furnace. 2,603,476, July 15.

Whitacre, Ernest U., Salem, Ohio. Baled straw shredder. 2,590,056, Mar. 18.

Whitacre, Francis M., Manhasset, and D. Van Praag, assignors to Schieffelin & Co., New York, N. Y. Acylated amino acid silver salts. 2,596,631, May 13.

Whitaker, Alfred, London, assignor to Parnall (Yate) Limited, Yate, near Bristol, England. Differential manometer. 2,583,914, Jan. 29.

Whitaker, Carl F., Beverly, Mass. Bobbin stripping apparatus. 2,613,425, Oct. 14.

Whitaker, David C.: *See*—
Githens, Otto W., Smith, and Whitaker.

Whitaker, Dorothy B., administratrix: *See*—
Githens, Otto W., Smith, and Whitaker.

Whitaker, Leonard W., Ridgeway, Enfield, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Saw-tooth wave generator. 2,602,896, July 8.

Whitaker, Mack N., Jackson, Tenn. Protector for upholstery trim beads. 2,602,203, July 8.

Whitaker, Uncas A., Harrisburg, Pa., assignor to The Hoover Company, North Canton, Ohio. Expanding mouth filter for suction cleaning devices. 2,613,760, Oct. 14.

Whitbeck, Roland A., Lorain, assignor to Gilron Products Company, Cleveland, Ohio. Producing vitreous enamelled metal articles. 2,609,594, Sept. 9.

Whitbeck, Roland A., Lorain, assignor to Gilron Products Company, Cleveland, Ohio. Producing metal articles with highly finished surfaces for coating. 2,609,780, Sept. 9.

Whitby, Evelyn L., Woodstock, Ontario, Canada, assignor, by mesne assignments, to Rain-Beau Products Company. Strand winding machine. 2,617,602, Nov. 11.

Whitcomb, Arthur J.: *See*—
Rice, Owen R., and Whitcomb.

Whitcomb, Arthur J., Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc. Valve operator. 2,620,673, Dec. 9.

Whitcomb, Forrest R., Worcester, Mass. Cam controlled contour polishing. 2,581,157, Jan. 1.

Whitcomb, Gordon P.: *See*—
Kienle, Roy H., and Whitcomb.

Whitcomb, Lu W.: *See*—
Kerns, Quentin A., Whitcomb, and Brown.

Whitcomb, Marciene E., assignee: *See*—
St. Lawrence, Oliver H.

White Aircraft Corporation, assignee: *See*—
Goodell, Ralph W.

White, Alfred B., assignor to Clark Equipment Company, Buchanan, Mich. Upsetting shafts and the like. 2,598,868, June 3.

White, Allen A., Wichita, Kans. Vehicle jack. 2,604,299, July 22.

White, Arthur J., Hempstead, assignor to American Can Company, New York, N. Y. Container with reclosure and shield device. 2,615,610, Oct. 28.

White, Ben, executor: *See*—
White, Felix L.

White, Blanche B.: *See*—
Blackman, Peter, Fortess, and White.
Seymour, George W., White, and Plungulan.

White, Blanche B., Summit, and E. Barnbash, New Providence, N. J., assignors to Celanese Corporation of America, New York, N. Y. Cellulose esters. 2,581,505, Jan. 8.

White, Blanche B., and L. J. Rosen, Summit, and P. Blackman, Westfield, N. J., assignors to Celanese Corporation of America. Preparation of cellulose esters. 2,600,716, June 17.

White, Burlan D., Ellenboro, N. C. Warp clamp. 2,608,742, Sept. 2.

White Cabinet Corporation, assignee: *See*—
White, Charles C.

White Can Company, assignee: *See*—
Davies, Lynn E.
Williams, Raymond H.

White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Oven. 2,593,233, Apr. 15.

White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Refrigerator. 2,596,316, May 13.

White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Cabinet structure. 2,603,378, July 15.

White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Drawer. 2,622,956, Dec. 23.

White, Charles D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric trigger circuits. 2,624,016, Dec. 30.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow angling link. 2,592,987, Apr. 15.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 2,595,554, May 6.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk gang spring biasing means. 2,610,453, Sept. 16.

White, Charles H., and W. P. Oehler, assignors to Deere & Company, Moline, Ill. Disk harrow frame. 2,604,745, July 29.

White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Fluid gasket sealing composition. 2,613,161, Oct. 7.

White, Chester N., Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Thermally hardened porous solid. 2,611,750, Sept. 23.

White, Clifford H., assignee: *See*—
Henson, William.

White and Company, Inc., assignee: *See*—
Dickens, Lonnie A.

White, Compton I., Jr., Clark Fork, Idaho, F. R. Young, R. A. Pederson, and J. J. Rahn, Seattle, Wash., assignors to Boeing Airplane Company. Cable tension thermal compensator. 2,597,270, May 20.

White, Constance R., Beverly Hills, Calif. Detachable base for toy figures. 2,621,010, Dec. 9.

White, David, Company, The, assignee: *See*—
Rothweiler, Richard.

White, Edward A., Clarkston, Wash. Fruit weighing and sorting machine. 2,607,483, Aug. 19.

White, Edward J.: *See*—
Pierce, Lloyd L., and White.

White, Edward W., assignee: *See*—
Seminara, Robert.

White, Edwin H., Baltimore, Md. Abrading unit. 2,597,421, May 20.

White, Edwin H., Baltimore, Md. Abrading unit. 2,599,961, June 10.

White, Edwin L., Atlanta, Ga., assignor to Dorsey Trailers, Inc., Elba, Ala. Service outlet box for trailer vehicles. 2,616,945, Nov. 4.

White, Ellis E., Beverly Hills, Calif., assignor to Multi-Deck Corporation of America. Wheel guide. 2,607,536, Aug. 19.

White, Elzie C., assignor to Hansen Manufacturing Company, Princeton, Ind. Bearing unit structure. 2,612,417, Sept. 30.

White, Eric L. C.: *See*—
Blumlein, Alan D.
Lubszynski, Hans G., and White.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Electrical pulse generating circuits. 2,586,409, Feb. 19.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Circuits for the generation of electrical variations. 2,620,456, Dec. 2.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Electrical integrating circuit arrangement. 2,621,292, Dec. 9.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Controlling the phase of apparatus for generating electrical oscillations. 2,622,236, Dec. 16.

White, Eric L. C., Iver, and E. A. Newman, London, assignors to Electric & Musical Industries Limited, Hayes, England. Negative feedback amplifier. 2,598,326, May 27.

White, Eric L. C., Iver, and R. W. Elbourn, Southall, assignors to Electric & Musical Industries Limited, Hayes, England. Multigrid amplifier with constant ratio of cathode current to anode current. 2,604,552, July 22.

White, Ernest, Port Alice, British Columbia, Canada, assignor to Griplock, Inc., Hoboken, N. J. Wire strapping tool. 2,607,372, Aug. 19.

White, Eugene K.: *See*—
Le May, Ernest D., and White.

White, Eugene T., Jr., Northwest, Va. Truck grain body. 2,586,279, Feb. 19.

White, Evelyn M., assignee: *See*—
Baxter, Kirby.

White, Ezekiel F., West Hartford, Conn., and M. J. La Viano, Westwood, N. J. Firearm with compass in stock. 2,597,212, May 20.

White, Felix L., deceased, Dallas, Tex., by B. White, executor, assignor of one-half to M. A. White, one-fourth to E. E. Michael, Dallas, and one-fourth to E. M. Hermann, Houston, Tex. Machine for making hot tamales and similar food products. 2,620,173, Dec. 2.

White, Florence B., Jacksonville, Fla. Child's training panty. 2,604,097, July 22.

White, Francis, Littlefork, Minn. Auxiliary wheel for tractors. 2,613,955, Oct. 14.

White, Francis B.: *See*—
Dean, Dion K., and White.

White, Francis E., assignor to Birmingham Fabricating Company, Birmingham, Ala. Material storage and handling container. 2,596,881, May 13.

White, Frank S., Westport, Conn. Reactor furnace. 2,584,312, Feb. 5.

White, Fred L., assignor to Crane Packing Company, Chicago, Ill. Apparatus for finishing cylindrical articles. 2,610,450, Sept. 16.

White, Fred L., assignor to The Osgood Company, Marion, Ohio. Micrometric control for boom hoisting means. 2,602,551, July 8.

White, George W.: *See*—
Weinberg, Edwin A., and White.

White, Gerald E., assignor to White Products Corporation, Middleville, Mich. Tank port and coupling. Re. 23,457, Jan. 22.

White, Gifford E.: *See*—
Holschuh, Carl G., White, Mieher, and Shepherd.
Statham, Louis D., and White.

White, Gifford E., Hempstead, R. L. Graef, Brooklyn, and C. J. La Forge, Hempstead, N. Y., assignors to The Sperry Corporation. Parallax correction circuit. 2,611,537, Sept. 23.

White, H. N., Company, The, assignee: *See*—
Meyers, Fred N.

White, Halbert C.: *See*—
Britton, Edgar C., and White.

White, Harold A., St. Thomas, Ontario, Canada, assignor to The Weatherhead Company, Cleveland, Ohio. Grommet. 2,583,719, Jan. 29.

White, Harold T., Jr., Darien, Conn., assignor to Raytheon Manufacturing Company, Newton, Mass. Antenna system. 2,598,475, May 27.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,580,630, Jan. 1.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,585,885, Feb. 12.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Toasting mechanism. 2,594,528, Apr. 29.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Polishing attachment for vacuum cleaners. 2,601,694, July 1.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Demonstrating device for suction cleaners. 2,613,454, Oct. 14.

White, Harry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotary spark gap modulator. 2,605,310, July 29.

White, Henry A., Brockton, Mass. Television antenna. 2,615,005, Oct. 21.

White, Henry L., North Providence, R. I. Top cylinder lubricator. 2,614,550, Oct. 21.

White, Herbert E., Cleveland Heights, Ohio. Backup device for welding, brazing, or soldering operation. 2,584,072, Jan. 29.

White, Herbert S., Brooklyn, N. Y. Alternate object display apparatus. 2,597,605, May 20.

White, Herman J.: *See*—
Bradford, Purdy, and White.

White, Howard D., assignee: *See*—
Slavick, Joseph V.

White, Hubert D.: *See*—
Eriksen, Sivery, and White.

White, Ira M., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic pumping jack control. 2,617,256, Nov. 11.

White, Ira M., Berkeley, Calif., assignor to The Pelton Water Wheel Company. Cone valve operator. 2,623,395, Dec. 30.

White, Ira M., Oakland, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Surge preventer. 2,585,524, Feb. 12.

White, Ira M., Walnut Creek, and D. P. Billings, assignors to The Pelton Water Wheel Company, San Francisco, Calif. Axially movable rotary valve. 2,617,622, Nov. 11.

White, J. Samuel, & Company Limited, assignee: *See*—
Hoare, Arthur.

White, James A., Seattle, Wash. Pressure operated pipette filler. 2,598,869, June 3.

White, James E., assignee: *See*—
Hoffman, Warren G.

White, James R., Wenonah, O. H. Clark and W. W. Woods, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,609,342, Sept. 2.

White, John E., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Battery case and terminal post construction. 2,608,596, Aug. 26.

White, John H., Old Greenwich, Conn., and R. T. Schoerner, Oaklawn, assignors to Taco Heaters, Incorporated, Providence, R. I. Automatic air valve. 2,601,216, June 17.

White, John W., North Hollywood, Calif. Hydraulic master cylinder assembly. 2,608,062, Aug. 26.

White, John W., North Hollywood, Calif. Hydraulic master cylinder. 2,608,063, Aug. 26.

White, Joseph H., Ashaway, R. I. Fluid control mechanism for driving winding machines. 2,599,795, June 10.

White, Kenneth D., Gardena, Calif. Attachment for planes. 2,614,591, Oct. 21.

White Laboratories, Incorporated, assignee: *See*—
Sondern, Clarence W., and Breivogel.

White, Leeds C., Jr.: *See*—
Dosser, Robert C., and White.

White, Lester W., Toledo, Ohio, assignor, by mesne assignments, to Tronic-Aire, Inc., Chicago, Ill. Cover hinge. 2,581,892, Jan. 8.

White, Mathew, Maywood, N. J. Platform attachment for ladders. 2,606,079, Aug. 5.

White, Milton G., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Arrangement for varying wave lengths in coaxial lines. 2,604,594, July 22.

White, Minnie A., assignee: *See*—
White, Felix L.

White, Owen, Jr., Sibley, Iowa. Power-driven lubricating apparatus. 2,614,731, Oct. 21.

White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,599,031, June 3.

White, Paul W., and J. J. Schutz, New Haven, Conn., assignors to Parva Products Company, Chicago, Ill. Buckle. 2,591,648, Apr. 1.

White, Percy: *See*—
Garratt, Leslie, and White.

White, Percy, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Lubricating apparatus. 2,621,758, Dec. 16.

White, Philip C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Preparation of a Raney catalyst surface. 2,583,619, Jan. 29.

White Products Corporation, assignee: *See*—
White, Gerald E.

White, Ralph V.: *See*—
Socolofsky, John F., and White.
Trigg, Hastings S., Norris, and White.

White, Ralph V., Pitman, and P. S. Landis, Glassboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Motor fuel. 2,622,018, Dec. 16.

White, Ralph V., Pitman, and P. S. Landis, Glassboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Emulsifiable oil compositions. 2,622,067, Dec. 16.

White, Raymond A., assignee: *See*—
Gilmore, Abiel P., and White.

White, Raymond J., assignor to Motorola, Inc., Chicago, Ill. Vehicular heating apparatus. 2,588,351, Mar. 11.

White, Robert W., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Production of ethylene. 2,621,216, Dec. 9.

White, Roby B., Jr., U. S. Navy. Spray gun. 2,595,317, May 6.

White, Roy F., Madisonville, Tenn. Spacing gauge assembly for mill rollers. 2,616,185, Nov. 4.

White, S. S., Dental Manufacturing Company, The, assignee: *See*—
Balderstone, Edward.

White, Starley M., Fort Wayne, Ind. Pumping system and storage tank. 2,594,833, Apr. 29.

White, Thomas A., Jackson Heights, assignor to National Starch Products Inc., New York, N. Y. Viscosity-stable casein adhesives. 2,613,155, Oct. 7.

White, Thomas F., assignor to The Gates Rubber Company, Denver, Colo. Power transmission belt. 2,582,366, Jan. 15.

White, Thomas L., assignor to The Commercial Shearing & Stamping Co., Youngstown, Ohio. Tunnel lining structure and gauge therefor. 2,610,470, Sept. 16.

White, Wiley L., Calwa City, Calif. Multidelivery unit for improved train order delivery devices. 2,598,628, May 27.

White, William C., Schenectady, N. Y., assignor to General Electric Company. Leak detector. 2,591,485, Apr. 1.

White, William M., assignor to Eastman Kodak Company, Rochester, N. Y. Two-way torque-limiting clutch. 2,618,137, Nov. 18.

Whitebread, Ned B., Sterling, assignor to Kolite Plastics Co., Dixon, Ill. Combination advertising sign and illuminating device. 2,611,981, Sept. 30.

White Castle System, Inc., assignee: *See*—
Tansley, Leslie R.

Whitehead Brothers Company, assignee: *See*—
Wallace, Burgess P.

Whitehead & Co., Inc., assignee: *See*—
Whitehead, Ned.

Whitehead, Dean H.: *See*—
Anctsberger, Frank A., and Whitehead.

Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Protective device. 2,604,256, July 22.

Whitehead, James R.: *See*—
Wood, Hubert, Williams, and Whitehead.

Whitehead, James R., Millbank, London, and H. Wood, assignors to Ferranti Limited, Hollinwood, Lancashire, England. Wave signal responder system. 2,588,444, Mar. 11.

Whitehead, Ned, Los Angeles, Calif., assignor to Whitehead & Co., Inc., San Juan, Puerto Rico. Identification card. 2,588,067, Mar. 4.

Whitehead, Richard K.: *See*—
Meadows, Ernest D., and Whitehead.

Whitehead, Robert G., assignee: *See*—
Jackson, Harold F.

Whitehead Stamping Compay, assignee: *See*—
Whitehead, Thomas C.

Whitehead, Thomas C., assignor to Whitehead Stamping Company, Detroit, Mich. Mirror supporting means. 2,596,632, May 13.

Whitehead, Thomas C., assignor to Whitehead Stamping Company, Detroit, Mich. Mirror mounting structure. 2,599,306, June 3.

Whitehead, Walter D., Jr.: *See*—
Ney, Edward P., Hereford, Whitehead, and Kuhlthau.

Whitehead, William, Forest Hills, N. Y., J. B. Steiding, Midland, L. B. Brown, and W. L. Rooney, Cumberland, Md., assignors to Celanese Corporation of America. Production of spun yarns. 2,581,566, Jan. 8.

Whitehill, Albert J.: *See*—
Risley, Roger E., and Whitehill.

Whitehill, Lynwood N.: *See*—
Evans, Theodore W., Adelson, and Whitehill.

Whitehill, Lynwood N., Berkeley, Calif., and W. M. McLamore, Cambridge, Mass., assignors to Shell Development Company, San Francisco, Calif. Unsaturated diesters of hydrazodicarbonic acid and polymers thereof. 2,583,980, Jan. 29.

Whitehill, Ralph R., Oildale, Calif. Fluid clutch for hoisting drums. 2,591,325, Apr. 1.

Whitehouse, Ben, Milwaukee, Wis., assignor to Rodwell Engineering and Sales Company, Omaha, Nebr. Filter. 2,593,639, Apr. 22.

Whitehouse, Irving P., South Euclid, W. W. Krauss, Aurora, and A. G. Damon, Lakewood, assignors to Republic Steel Corporation, Cleveland, Ohio. Wall construction. 2,612,246, Sept. 30.

Whitehouse, John R., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Expansion buckle. 2,604,632, July 29.

Whitehouse, John R., and H. C. Vaisey, assignors to Hickok Manufacturing Co. Inc., Rochester, N. Y. Interchangeable initial belt buckle. 2,587,796, Mar. 4.

Whitehouse, Karl C.: *See*—
Lecher, Hans Z., and Whitehouse.
Whitehouse, Karl C., Somerville, and H. Z. Lecher, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Chlorohydrin derivatives of dihydroanthraquinone. 2,616,901, Nov. 4.
Whitelaw, Hamilton, Cranston, R. I., assignor to Douglas Young, Inc. Display box. 2,581,615, Jan. 8.
Whiteley and Caine, assignee: *See*—
Haapala, Levi.
Whiteley, Robert H., assignor to Randall Graphite Products Corporation, Chicago, Ill. Side mount pillow block bearing. 2,591,221, Apr. 1.
Whiteley, Robert H., Oak Park, assignor to Randall Graphite Products Corporation, Chicago, Ill. Pillow block bearing and mounting therefor. 2,591,222, Apr. 1.
Whiteman, Benton A., Glen Allen, Va. Bow hairing tool. 2,591,900, Apr. 8.
Whiteman, Daniel S., Wyncote, Pa. Movable gangplank. 2,597,213, May 20.
Whitescarver, Furman, assignee: *See*—
Shelor, Ollie W.
Whitesel, Jack H., Seattle, Wash. Picnic box. 2,615,541, Oct. 28.
Whitfield, Jesse G., Kitts, Ky. Method and apparatus for separating granular material. 2,607,484, Aug. 19.
Whitfield, Marshall G., Garden City, and V. Sheshunoff, Jericho, assignors to Whitfield & Sheshunoff, Incorporated, Garden City, N. Y. Method and apparatus for the formation of hot dip coatings. 2,604,415, July 22.
Whitfield & Sheshunoff, Incorporated, assignee: *See*—
Whitfield, Marshall G., and Sheshunoff.
Whitford, Albert E., Westboro, Mass. Locking block for guarding carburetor jet screws. 2,618,473, Nov. 18.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting mechanism for looms. 2,593,079, Apr. 15.
Whitin Machine Works, assignee: *See*—
Cabot, Deane A.
Clentimack, George E.
Cravens, Benjamin B.
Dawson, Harold, and Valley.
De Santis, Fausto G.
Dudley, John S., and Brandt.
Kenne, Lester E.
Schlums, Otto W.
Sorton, Fred C.
West, Russell A.
Whiting, Bradford C., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Wire former and stripper. 2,591,649, Apr. 1.
Whiting Corporation, assignee: *See*—
Griffiths, Clyde C.
Holmes, Louis D.
Holmes, Louis D., Haaksma, and Hammond.
Oldham, Anthus D., and Sabin.
Ortgies, Raymond C.
Whiting, Leo R.: *See*—
Carlston, Earl F., and Whiting.
Whiting, William A., Long Beach, assignor to American Pipe and Construction Co., Los Angeles, Calif. Reinforced concrete pipe. 2,602,469, July 8.
Whitledge, Edgar R., Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Impact tool. 2,580,631, Jan. 1.
Whitley, Harvey L., Fremont, N. C. Hay harvesting apparatus. 2,597,962, May 27.
Whitley, James E., Richmond, Calif., assignor to M. L. Dier, West Vancouver, British Columbia, Canada. Collapsible box. 2,583,915, Jan. 29.
Whitley, Maurice G.: *See*—
Carrier, Robert M., Jr., and Whitley.
Whitley, William: *See*—
Rozanski, Tony, and Whitley.
Whitlock, Ernest A., assignor to Wallace & Tiernan Limited, London, England. Liquid and gas feeding. 2,622,065, Dec. 16.
Whitlock, Fred W., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Valve structure. 2,610,023, Sept. 9.
Whitlock, Paul, Lebanon, Ohio. Boxing toy. 2,603,034, July 15.
Whitlock, William R., assignor of one-third to C. W. Adams, Aberdeen, Wash. Whirling roughing and finishing cutterhead machine for debarking logs and the like. 2,591,751, Apr. 8.
Whitlow, Eugene P.: *See*—
McNeely, Lowell, and Whitlow.
Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat transfer device. 2,610,481, Sept. 16.
Whitlow, John B., Granite City, Ill. Torque converter 2,585,886, Feb. 12.
Whitman, Bradley: *See*—
Schwenk, Erwin, and Whitman.
Whitman, Dudley A., Miami Beach, Fla. Saucer. 2,587,259, Feb. 26.
Whitman, Gerald M.: *See*—
Barkdoll, Archie E., and Whitman.
Whitman, Gerald M., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bis(4-aminocyclohexyl)-methane. 2,606,924, Aug. 12.
Whitman, Gerald M., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ruthenium catalyzed hydrogenation process for obtaining aminocyclohexyl compounds. 2,606,925, Aug. 12.
Whitman, Harlan M., West Hartford, assignor to Curtis 1000, Incorporated, Hartford, Conn. Envelope. 2,600,146, June 10.
Whitmarsh, Fred S., Jackson Heights, N. Y. Tongs for stringless tea bags. 2,621,068, Dec. 9.
Whitmer, Arnold M., assignee: *See*—
Burke, Donald J.
Whitmer, William R., assignor to The Springfield Leather Products Company, Springfield, Ohio. Billfold. 2,586,132, Feb. 19.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corportion, Detroit, Mich. Lid handle and latch mechanism. 2,586,753, Feb. 19.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Closure construction for refrigerator cabinets. 2,599,732, June 10.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Hermetic sealing means between inner and outer casings of refrigerator cabinets. 2,599,733, June 10.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Latch and handle mechanism. 2,601,577, June 24.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Lid assembly. 2,614,719, Oct. 14.
Whitmore, James B., Bloomfield, and F. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass furnace charging. 2,585,607, Feb. 12.
Whitmore, Ralph D.: *See*—
Faulkner, Trevor, and Whitmore.
Leslie, Fred D., Whitmore, and Bragg.
Whitmore, Robert A., Saratoga, and F. D. Hickey, Mountain View, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Coagulation-resistant cream style corn and preparing the same. 2,592,988, Apr. 15.
Whitmoyer, Joshua S., Watsontown, Pa. Nail puller. 2,596,831, May 13.
Whitney Blake Company, The, assignee: *See*—
Dudley, Raymond H., and Larson.
Judisch, Carl M.
Whitney, Claire E., Houston, Tex., assignor to Baker Oil Tools, Inc., Vernon, Calif. Collar locating and tool operating device. 2,613,746, Oct. 14.
Whitney, David M., Toledo, Ohio. Hydraulic brake master cylinder reservoir float switch. 2,615,105, Oct. 21.
Whitney, Forrest J., Jr., Wayne, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Cold drawing sheet metal. 2,613,626, Oct. 14.
Whitney, Guy H., Morrisville, Pa., and A. J. Rosso, Washington Crossing, N. J. Hydraulic brake control. 2,585,711, Feb. 12.
Whitney, Hugh F., Jr.: *See*—
Niehaus, Edward J., and Whitney.
Whitney, John E. S.: *See*—
Evans, Edward M., and Whitney.
Whitney-Kappes Co., assignee: *See*—
Kappes, Louis C., and Whitney.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Drop forged and welded brake head. 2,593,374, Apr. 15.
Whitney, Lyall F.: *See*—
Kappes, Louis C., and Whitney.
Whitney, Ralph T., Irwin, Pa., assignor to Westinghouse Air Brake Company. Reversible engine control equipment. 2,601,195, June 17.
Whitney, W. F., Company, Inc., assignee: *See*—
Johnson, Howard E.
Whitney, Wiley: *See*—
Michael, Henry J., and Whitney.
Whitney, William B.: *See*—
Bailey, Grant C., and Whitney.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Molecular still. 2,585,202, Feb. 12.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for molecular distillation. 2,587,260, Feb. 26.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Gel-type grease. 2,623,017, Dec. 23.
Whiton Machine Company, The, assignee: *See*—
Highberg, George A.
Whitson, Clare H., assignee: *See*—
Whitson, John W.
Whitson, John W., assignor of one-half to C. H. Whitson, New York, N. Y. Sorting apparatus. 2,614,697, Oct. 21.
Whitson, William L., Takoma Park, Md. Automatic revolving chamber rocket launcher. 2,587,672, Mar. 4.
Whitston, Gilbert F.: *See*—
Thompson, William W., and Whitston.
Whittaker, Anna, administratrix: *See*—
Mueller, John.
Whittaker, Beulah, assignee: *See*—
Phillips, Delbert L.

Whittaker, Donald, and G. G. Allen, Northwich, England, assignors to Imperial Chemical Industries Limited. Anion exchange resins from alkylene polyamine meta phenylene diamine, formaldehyde and acetone. 2,588,784, Mar. 11.
Whittaker, Harold, Chadderton, Oldham, England. Mechanism for winding textile threads or filaments onto flanged bobbins. 2,608,354, Aug. 26.
Whittaker, James B., Rochester, N. Y. Venetian blind. 2,585,606, Feb. 12.
Whittaker, Norman: *See*—
Russell, Peter B., and Whittaker.
Walls, Leslie P., and Whittaker.
Whittaker, William R., assignee: *See*—
Phillips, Delbert L.
Whittaker, Wm. R., Co., Ltd., assignee: *See*—
Phillips, Delbert L.
Whittaker, William S., assignee: *See*—
Phillips, Delbert L.
Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid stabilizing means for hydraulic control systems. 2,592,221, Apr. 8.
Whitten, Jerry D., Wichita, Kans. Well packer. 2,603,295, July 15.
Whitten, Owen M., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Liquid level indicator. 2,586,449, Feb. 19.
Whitten, Owen M., and R. L. Atkin, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Control device. 2,586,450, Feb. 19.
Whittington, Alice P., assignee: *See*—
Whittington, James A.
Whittington, Arthur E., Elkhart, Ind. Casting reel. 2,623,705, Dec. 30.
Whittington, Emmett H., assignee: *See*—
Haberstump, Alfred H.
Whittington, Emmett H., Richmond, Ind. Crate. 2,619,249, Nov. 25.
Whittington, Emmett H., Richmond, Ind. Feeding trough attachment. 2,619,313, Nov. 25.
Whittington, James A., assignor of one-half to A. P. Whittington, Evanston, Ill. Gas burner having multiple primary air inlets. 2,615,509, Oct. 28.
Whittington, Paul E.: *See*—
Duff, Thomas M., and Whittington.
Hallock, Eugene D., and Whittington.
Whittington, Paul E., Arlington, Va. Apparatus for fluid treatment of textiles and clothing. 2,593,640, Apr. 22.
Whittle, Frank, Harrow-on-the-Hill, Middlesex, assignor to Power Jets (Research & Development) Limited, London, England. Multiunit gas turbine power plant for aircraft propulsion. 2,601,194, June 17.
Whittlesey, John V.: *See*—
McCurdy, William N., Jr., and Whittlesey.
Whittom, Robert M.: *See*—
Stone, Roy A., and Whittom.
Whitworth, Ernest B.: *See*—
Cook, Alton A., Shane, and Whitworth.
Whitworth, Stanley J. L., London, and E. D. Brown, Northfield, assignors to Carrier Engineering Company Limited, London, England. Apparatus for spray painting vehicle bodies. 2,597,914, May 27.
Whitworth, Sir W. G. Armstrong, Aircraft Limited, assignee: *See*—
Elliott, Frederick R.
Whorton, Leonidas P., E. R. Brownscombe, and A. B. Dyes, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Producing oil by means of carbon dioxide. 2,623,596, Dec. 30.
Whyte, Daniel D., Brooklyn, N. Y. Sealed dispensing container and sealing the same. 2,598,629, May 27.
Whyte-Dunn, Inc., assignee: *See*—
Whelan, James P.
Whyte, Leland M.: *See*—
Schriner, Russell M., O. L., and Whyte.
Wiancko Engineering Company, assignee: *See*—
Wiancko, Thomas H.
Wiancko, Thomas H., Altadena, Calif., assignor to Wiancko Engineering Company. Force gauge. 2,611,266, Sept. 23.
Wiancko, Thomas H., Altadena, Calif. Accelerometer. 2,618,776, Nov. 18.
Wiard, Robert C., assignor to The New Britain Machine Company, New Britain, Conn. Collet or chuck. 2,602,672, July 8.
Wiberg, Eric A.: *See*—
Ericsson, Eric A., and Wiberg.
Wiberg, Oscar A.: *See*—
Nicolin, Curt, Wiberg, and Östmar.
Wible, Daniel W., Monongahela, Pa. Washing machine provided with manually operated lid mounted sequential control switch. 2,619,822, Dec. 2.
Wibling, Seth E., assignor to Strong Appliance Industries, Incorporated, Danbury, Conn. Can opener. 2,583,034, Jan. 22.
Wichita Scale & Manufacturing Co., Inc., assignee: *See*—
Morley, Frank F.
Wickardt, Kurt W., assignor to Hosemaster Machine Company Limited, Liverpool, England. Thread carrier driving mechanism for straight bar knitting machines. 2,613,519, Oct. 14.
Wickardt, Kurt W., assignor to Hosemaster Machine Company Limited, Liverpool, England. Straight bar knitting machine. 2,618,946, Nov. 25.
Wickardt, Kurt W., assignor to Hosemaster Machine Company Limited, Liverpool, England. Knitted machine. 2,623,371, Dec. 30.
Wickberg, Karl G. E., Stocksund, Sweden. Synchronizing device for transmissions. 2,620,907, Dec. 9.
Wicke, Warner C.: *See*—
Wheeler, William, and Wicke.
Wicker, Dan B.: *See*—
Bailiff, Fred H., and Wicker.
Wicker, Dan B., G. C. Yehling, Jr., and J. W. Moody, Dunbar, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Alkali cellulose temperature control. 2,587,020, Feb. 26.
Wicker, Hugh E., assignee: *See*—
Lavender, James L.
Wicker, Rassie E.: *See*—
Giles, George W., and Wicker.
Wickerham, Lynferd J.: *See*—
Cordon, Theone C., and Wickerham.
Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporatino, East Pittsburgh, Pa. Motor control. 2,597,141, May 20.
Wickes Bros., a division of The Wickes Corporation, assignee: *See*—
Schulz, Richard E.
Wickes, Harvey R., Bintz, Kretschmer, and Kendall.
Wickes, Harvey R., C. Bintz, H. A. Kretschmer and G. C. Kendall, assignors to Wickes Bros., a division of The Wickes Corporation, Saginaw, Mich. Depository receptacle for drive-in banks. 2,591,901, Apr. 8.
Wickham, Hull, Mattituck, N. Y., E. F. Burton, and E. G. Mason, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Folding seat. 2,596,750, May 13.
Wicking, Reginald W. H., assignee: *See*—
Evans, Edward M., and Wicking.
Wicklander, Anders E., Nynashamn, Sweden. Means for the extinction of fire in tanks for combustible liquids. 2,599,796, June 10.
Wicklats, John E.: *See*—
Reynolds, William B., Wicklats, and Kennedy.
Wicklats, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of haloalkane sulfonates and toluidine derivatives thereof. 2,600,287, June 10.
Wicklats, John E., Bartlesville, Okla., and J. N. Short, Cincinnati, Ohio, assignors to Phillips Petroleum Company. Resinous materials from 1,2-dimethylene cyclohexanes. 2,600,454, June 17.
Wicklats, John E., Bartlesville, Okla., and J. N. Short, Cincinnati, Ohio, assignor to Phillips Petroleum Company. Preparing substituted cyclohexanes. 2,601,075, June 17.
Wicklund, Harold P., United States Navy. Flight trainer. 2,591,752, Apr. 8.
Wickman, George E., Westport, Conn., assignor to General Electric Company. Electrical apparatus. 2,606,218, Aug. 5.
Wickman, Randolph F., Los Angeles, Calif. Lantern attachment. 2,583,916, Jan. 29.
Wicks, Gerald C., New York, N. Y. Electric heater. 2,588,314, Mar. 4.
Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Toll switching telephone system having automatic amplifier insertion and gain setting. 2,580,709, Jan. 1.
Wicks, Orville P., Minneapolis, Minn. Collapsible line support. 2,595,183, Apr. 29.
Wicks, Victor A., assignee: *See*—
McGarvey, Robert W.
Wickson, Edward J.: *See*—
Horback, William B., Wickson, and Myles.
Wickson, Edward J., South Orange, and Walter D. Paist, Berkley Heights, N. J., assignors to Celanese Corporation of America, New York, N. Y. Cellulose lower alkanoate plastic composition. 2,592,776, Apr. 15.
Wickson, Edward J., South Orange, W. J. Myles, Summit, and W. B. Horback, Irvington, N. J., assignors to Celanese Corporation of America, New York, N. Y. Plasticized and stabilized lower fatty acid ester of cellulose. 2,617,739, Nov. 11.
Wickstrom, Milford L., Kansas City, Kans. Bowling time clock. 2,584,374, Feb. 5.
Wico Electric Company, assignee: *See*—
Brownlee, Allen L.
Guernsey, Glen A., and Harmon.
Harmon, Kenneth A., and Guernsey.
Piekarski, Joseph J., and Baillargeon.
Wiczer, Sol B., assignee: *See*—
Wanless, Ivan J.
Wiczer, Sol B., Washington, D. C. Alcohol fuel gel. 2,613,142, Oct. 7.
Widder, Louis, New York, N. Y. Hat size adjuster. 2,597,555, May 20.
Widdicomb, John, Company, assignee: *See*—
Haas, William.
McPhee, John E.
Widdop, Mary E.: *See*—
Dimmick, Glenn L., and Widdop.

Widdows, Richard G.: *See*—
Leitch, John D., and Widdows.

Widdows, Richard G., and A. C. Dyer, Shaker Heights, and H. J. Rathbun, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for induction motor and breaking generator combinations. 2,581,315, Jan. 1.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Corrosion inhibitors in absorption refrigeration system. 2,580,983, Jan. 1.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Corrosion inhibitor in absorption refrigeration system. 2,580,984, Jan. 1.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator of the absorption type. 2,598,736, June 3.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator having provisions for reducing heat transfer therein. 2,619,804, Dec. 2.

Widen, Herbert, assignor of one-half to H. W. Levy, McKeesport, Pa. Window operator. 2,599,032, June 3.

Widén, Olof E., Ljungsbro, Sweden. Apparatus for removing nondesirable substances from cocoa berries. 2,582,664, Jan. 15.

Widerøe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Apparatus for controlling electron path in an electron accelerator. 2,586,494, Feb. 19.

Widerøe, Rolf, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Apparatus for accelerating electrically charged particles. 2,624,020, Dec. 30.

Widigen, Albert F., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Dry cleaning washer. 2,603,297, July 15.

Widman, John C., Royal Oak, and W. B. Schueren, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Adjustable vehicle seat. 2,583,349, Jan. 22.

Widmayer, John J., Chevy Chase, Md. Air gun for applying plaster. 2,600,040, June 10.

Widmer, Alfred E.: *See*—
Greenfield, Eugene W., and Widmer.

Widmer, Fritz, Zofingen, and H. Elmiger, Reiden, assignors to Packmat A. G., Olten, Switzerland. Apparatus for manufacturing corrugated inserts, adapted to be used in boxes. 2,604,421, July 22.

Widmer, John H., and C. T. Smith, St. Paul Park, Minn. Storm window fastener. 2,584,375, Feb. 5.

Widmer, René, Geneva, Switzerland. Spring actuated lock nut. 2,587,560, Feb. 26.

Widmer, Willi, Bottmingen, F. Schuetz, Neuewelt, near Basel, and A. Heckendorn, assignors to Cilba Limited, Basel, Switzerland. Dyeing processes for wool and preparations therefor. 2,610,103, Sept. 9.

Widmer, Willy, Bottmingen, and Jakob Brassel, assignors to Ciba Limited, Basel, Switzerland. Chromiferous monoazo-dyestuffs. 2,599,147, June 3.

Widmer, Willy, Bottmingen, A. Buehler, Rheinfelden, and H. Roesti, Binningen, assignors to Ciba Limited, Basel, Switzerland. Dyeing of wool with metallized azo dyes in the presence of an aldehyde having an affinity for wool. 2,602,722, July 8.

Widmer, Willy, Bottmingen, and J. Brassel, Basel, Switzerland, assignors to Ciba Limited. Chromiferous monoazo-dyestuffs. 2,606,184, Aug. 5.

Widmer, Willy, Bottmingen, A. Fasciati, Basel, and E. Reich, Neuewelt, Munchenstein, assignors to Ciba Limited, Basel, Switzerland. Monoazo-dyestuffs of the pyrazolone series. 2,606,185, Aug. 5.

Widmer, Willy, Bottmingen, and A. Buehler, Rheinfelden, assignors to Ciba Limited, Basel, Switzerland. Complex chromium compounds of monoazo-dyestuffs. 2,610,175, Sept. 9.

Widmer, Willy, Bottmingen, and A. Fasciati, assignors to Ciba Limited, Basel, Switzerland. Aromatic sulfonic acid esters containing an amino group. 2,615,913, Oct. 28.

Widmer, Willy, Bottmingen, and E. Reich, Neuewelt, near Basel, assignors to Ciba Limited, Basel, Switzerland. Monoazo dyestuffs. 2,620,332, Dec. 2.

Widmer, Willy, Bottmingen, E. Reich, Neuewelt, near Basel, and A. Buehler, Rheinfelden, assignors to Ciba Limited, Basel, Switzerland. Monoazo dyestuffs. 2,620,333, Dec. 2.

Wiebe, Leonard P., Long Beach, assignor to Shell Development Company, Emeryville, Calif. Peroxide treatment of fatty oils. 2,588,902, Mar. 11.

Wiechers, Sybrandus G., assignor to de Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Milk substitutes. 2,604,403, July 22.

Wiechers, Sybrandus G., assignor to De Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Refrigerating apparatus of the intermittent absorption type. 2,622,413, Dec. 23.

Wied, Julius P., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Vacuum cleaner. 2,597,690, May 20.

Wiedebusch, Harvey S., assignor of twenty-five per cent to Hubert M. Wigley, Dallas, Tex. Angle measuring instrument. 2,607,121, Aug. 19.

Wiedenhoeft, Arthur E., Glen Ellyn, Ill. Wall lamp with rotatable shade and mirror. 2,587,941, Mar. 4.

Wiedmann, Ernst, Summit, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission and control for guns. 2,586,280, Feb. 19.

Wiegand, Clyde E., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Half-life determining method. 2,590,057, Mar. 18.

Wiegand, Clyde E., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fission indicator. 2,595,622, May 6.

Wiegand, Clyde E., Oakland, and O. Chamberlain, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Distributed coincidence circuit. 2,593,948, Apr. 22.

Wiegand, David E., Villa Park, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Combined magnetic transducer head and coupling transformer. 2,585,065, Feb. 12.

Wiegand, David E., Villa Park, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Integrator and hysteresis loop tracer. 2,610,230, Sept. 9.

Wiegand, Edwin L., Company, assignee: *See*—
Freeman, Hadley F.
Hasley, Frederick E.
Jones, Robert L.

Wiegand, Francis J.: *See*—
Bynum, George T., Olson, and Wiegand.
Rowe, Mark R., and Wiegand.

Wiegand, Francis J., Ridgewood, W. T. Stark, Pompton Lakes, and M. R. Rowe, Teaneck, N. J., assignors to Curtiss-Wright Corporation. Liquid distributing system. 2,613,687, Oct. 14.

Wiegant, John, Depoe Bay, Oreg. Attachment for lathes. 2,583,917, Jan. 29.

Wieghart, Albert W., assignor to Friedley-Voshardt Company, Chicago, Ill. Rinsing and drying nozzle for dishwashers. 2,585,608, Feb. 12.

Wieking, William C.: *See*—
Harless, Charles A., and Wieking.

Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Replacing web rolls in printing machines. 2,596,189, May 13.

Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll changer. 2,621,865, Dec. 16.

Wieland, Jacob, Gorinchem, Netherlands, assignor to De Vries Robbé & Co., N. V. Tiltable door structure. 2,602,969, July 15.

Wieland, Jacob, assignor to De Vries Robbe & Co. N. V., Arkelschedijk, Gorinchem, Netherlands. Device for imparting a tumbler motion to vertical structural parts. 2,609,196, Sept. 2.

Wieland, Jacob, Gorinchem, assignor to De Vries Robbe & Co. N. V., Arkelschedijk, Gorinchem, Netherlands. Tilting door. 2,613,401, Oct. 14.

Wieland, Peter: *See*—
Miescher, Karl, and Wieland.

Wiemer, Herman K., Wallington, England. Apparatus for flavor treatment of chocolate. 2,612,832, Oct. 7.

Wiemer, Hermann K., Wallington, England. Flavor development and ennoblement of chocolate. 2,602,743, July 8.

Wiene, Poul E., Copenhagen, Denmark. Fuel injection system for reversible internal-combustion engines. 2,614,495, Oct. 21.

Wiener, Robert P.: *See*—
Canziani, Victor J., Silverman, and Wiener.

Wiens, Cornelius, Portland, Oreg. Rotary disk plow ditching apparatus. 2,619,747, Dec. 2.

Wier, William B., Cleveland Heights, Ohio. Brewing apparatus. 2,623,450, Dec. 30.

Wiersig, Walter W., Alva, Okla. Motor drive unit for combines. 2,596,633, May 13.

Wieschel, John E., assignor to The Heil Co., Milwaukee, Wis. Hose reel installation for tank trucks. 2,603,384, July 15.

Wiese, David B., Highland, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency compensated iron-vane instrument. 2,610,988, Sept. 16.

Wiese, David B., East Orange, and H. L. Bernarde, Union, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,610,989, Sept. 16.

Wiese, Herbert K., Cranford, N. J., assignor to Standard Oil Development Company. Pressure titration. 2,583,454, Jan. 22.

Wieseltier, Zeev, Tel Aviv, Palestine. Lawn and crop sprinkler. 2,595,114, Apr. 29.

Wieseltier, Zeev, Tel Aviv, Israel. Lawn and crop sprinkler. 2,623,788, Dec. 30.

Wieseman, Robert W., Schenectady, N. Y., assignor to General Electric Company, Elimination of corona in electrical apparatus. 2,613,238, Oct. 7.

Wieseman, Theodore R., and M. W. Osborn, assignors to The Louis Allis Company, Milwaukee, Wis. Electric motor suitable for use in dirty and dusty atmosphere. 2,618,757, Nov. 18.

Wiesen, Bernard, Bronx, N. Y. Automatically adjustable wrench. 2,596,882, May 13.

Wiesman, Clarence K., Chicago, Ill., G. H. Whetzell and G. T. Schjeldahl, Hobart, Ind., assignors to Armour and Company, Chicago, Ill. Preparing frozen meat packages. 2,595,498, May 6.

Wiesman, Frank D., New York, N. Y. Flexible pushbroom. 2,606,335, Aug. 12.

Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Wire distributing cellular metal floor. 2,619,828, Dec. 2.

Wiessner, Heinz, administrator: *See*—
Wiessner, Robert.

Wiessner, Robert, deceased, by H. Wiessner, administrator, Vienna, Austria. Friction wheel type lighter. 2,623,375, Dec. 30.

Wiesstort, Vincent K., assignor of one-fourth to E. F. Walker and one-fourth to E. J. Aubrey, Florence, and one-fourth to J. Mish, Jr., Hadley, Mass. Foldable chair. 2,598,872, June 3.

Wiford, Elza E., Sidney, Ohio. Indicating device for regulation of timepieces. 2,589,467, Mar. 18.

Wigal, Voorhis F., Marietta, Ohio. Climbing toy. 2,618,889, Nov. 25.

Wigan, Edmund R., Bournemouth, England, assignor to International Standard Electric Corporation, New York, N. Y. Adjustable electrical phase-shifting network. 2,623,945, Dec. 30.

Wigely, Floyd R., assignee: *See*—
Green, Jesse W.

Wiggins, John H., assignee: *See*—
Allen, John W.

Wiggins, John H., Chicago, Ill. Dry seal pressure type gasholder. 2,583,981, Jan. 29.

Wiggins, John H., Chicago, Ill. Sealing element ventilating means for dry seal gas holders. 2,584,953, Feb. 5.

Wiggins, John H., Chicago, Ill. Dry seal pressure type gasholder. 2,585,203, Feb. 12.

Wiggins, John H., Chicago, Ill. Pressure-vacuum control valve. 2,587,943, Mar. 4.

Wiggins, John H., Chicago, Ill. Dry seal pressure type gasholder. 2,600,717, June 17.

Wiggins, John H., Chicago, Ill. Floating tank roof. 2,606,684, Aug. 12.

Wiggins, John H., Chicago, Ill. Ice detector and deicing mechanisms for gas holders. 2,606,823, Aug. 12.

Wiggins, John H., Chicago, Ill. Floating tank roof. 2,614,717, Oct. 21.

Wiggins, John H., and J. W. Allen, Chicago, Ill.; said Allen assignor to said Wiggins. Floating cover for sewage digesting apparatus. 2,605,014, July 29.

Wiggins, John H., and J. W. Allen, Chicago, Ill.; said Allen assignor to said Wiggins. Piston stabilizing mechanism. 2,606,825, Aug. 12.

Wiggins, Leonard A., Cuyahoga Falls, Ohio. Ball out demand regulator. 2,583,502, Jan. 22.

Wiggins, Marvin, Fort Myers, Fla. Floor jack. 2,582,665, Jan. 15.

Wiggins, Walter, Jr., Washington, D. C. Diving apparatus. 2,585,712, Feb. 12.

Wiggins, Walter, Jr., Washington, D. C. Derrick. 2,587,797, Mar. 4.

Wiggins, Walter, Jr., Washington, D. C. Submarine drilling and pumping apparatus. 2,614,803, Oct. 21.

Wigginton Company, The, assignee: *See*—
Boyle, Francis B.

Wigginton, Raymond J.: *See*—
Richmond, James T., and Wigginton.

Wight, Sedgwick N.: *See*—
Field, Oscar S., and Wight.

Wightman, Gordon E.: *See*—
Allen, Ivey, Jr., Marshall, and Wightman.

Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Bearing assembly. 2,598,476, May 27.

Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Vibration isolator. 2,600,353, June 10.

Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,604,501, July 22.

Wightman, Lawrence W., Fort Wayne, and G. D. Willits, Leo, Ind., assignors to General Electric Company. Dynamoelectric machine ventilation. 2,608,677, Aug. 26.

Wigley, Hubert M., assignee: *See*—
Wiedebusch, Harvey S.

Wigton-Abbott Corporation, assignee: *See*—
Hendel, Frank J.

Wiltala, Edwin S., and D. J. Kridel, assignors to Eastman Kodak Company, Rochester, N. Y. Noncaking photographic acid fixing powders. 2,592,366, Apr. 8.

Wijga, Pieter W. O.: *See*—
Van Bavel, Thomas H., Hoog, and Wijga.

Wijsman, Johannes: *See*—
Schrage, Bote, Wijsman, and Van den Steenhoven.

Wiken, Christy A., Pittsburgh, Pa., and E. A. Reibig, Milwaukee, Wis., assignors to Rockwell Manufacturing Company, Pittsburgh, Pa. Band saw wheel adjusting means. 2,604,126, July 22.

Wiken, Ralph, assignor to The Falk Corporation, Milwaukee, Wis. Coupling. 2,612,764, Oct. 7.

Wikler, Simon J., Baltimore, Md. Shoe construction for preventing deformation of the foot. 2,607,132, Aug. 19.

Wikström, Nils E., Strangnas, Sweden. Jack adapted for moving loads along a rod. 2,597,691, May 20.

Wilbe Research Corporation, assignee: *See*—
Forman, Benjamin G.

Wilber, Alfred B., Caldwell, Idaho. Gun sling. 2,608,733, Sept. 2.

Wilberschied, Charles F., Cleveland, Ohio. Chuck attachment for boring tools. 2,598,477, May 27.

Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.

Wilbert, William L., assignee: *See*—
Murphy, David Z.

Wilbespan Research Labs, Inc., assignee: *See*—
Williams, Richard E.

Wilburn, John L., Texarkana, Tex. Joining sleeve. 2,601,351, June 24.

Wilburn, Richard E., Leavenworth, Kans. Sheet positioning attachment. 2,607,589, Aug. 19.

Wilbushewich, Eugen, Haifa, Israel. Freezing machine. 2,594,529, Apr. 29.

Wilckens, Kurt W., Morrisville, Pa., assignor to Heinemann Electric Company, Trenton, N. J. Circuit breaker. 2,623,141, Dec. 23.

Wilcock, Donald F., Marblehead, Mass., assignor to General Electric Company. Journal bearing with self-energized hydraulically loaded segment. 2,584,770, Feb. 5.

Wilcock, Donald F., Marblehead, Mass., and M. M. Sprung, Schenectady, N. Y., assignors to General Electric Company. Lubricating oils. 2,597,045, May 20.

Wilcock, Donald F., Marblehead, Mass., and M. M. Sprung, Scotia, N. Y., assignors to General Electric Company. Lubricating oils. 2,623,019, Dec. 23.

Wilcock, John E., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Method of and apparatus for forming undercut sockets in a material in a hot plastic state. 2,602,269, July 8.

Wilcock, John E., St. Helens, and G. H. Baillie, London, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for forming undercut sockets in a material in a hot plastic state. 2,602,270, July 8.

Wilcock, Robert C., and P. E. Hastings, Pomona, Calif. Circuit tester for battery-energized circuits. 2,611,008, Sept. 16.

Wilcolator Company, The, assignee: *See*—
Fallon, David G.

Wilcox, Barnard, Wallace, Idaho. Production of titanium tetrachloride. 2,589,466, Mar. 18.

Wilcox, Charles A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,601,011, June 17.

Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.

Wilcox, George, Anna, Tex. Air conditioner. 2,583,195, Jan. 22.

Wilcox, George H.: *See*—
Eder, John F., and Wilcox.

Wilcox & Gibbs Sewing Machine Company, assignee: *See*—
Nelson, Clarence R.

Wilcox, Henry O.: *See*—
Raymond, John C., and Wilcox.

Wilcox, Howard M.: *See*—
Baker, Benjamin P., Frisch, and Wilcox.

Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container and making same. 2,623,680, Dec. 30.

Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container body and making same. 2,623,681, Dec. 30.

Wilcox, Merlyn H., J. Downing, and J. G. N. Drewitt, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of alkali cellulose. 2,619,483, Nov. 25.

Wilcox, Merton F.: *See*—
Jacobs, Clare S., and Wilcox.

Wilcox, Merton F., Grosse Pointe, Mich., assignor, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Hydraulic drive unit for washing machines. 2,582,810, Jan. 15.

Wilcox, Philip E., New York, N. Y. Construction toy. 2,587,798, Mar. 4.

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making washer face nuts or the like. 2,583,677, Jan. 29.

Wilcox, Richard L., and H. L. Hoyt, assignors to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Shaft driving mechanism for headers or like machines. 2,595,433, May 6.

Wilcox, Warren, and D. E. Daniel, Oakland, assignors to Modern Products, Inc., Los Angeles, Calif. Quick-exhausting valve. 2,610,859, Sept. 16.

Wilcoxon, Kenneth H., Cabin John, Md. Nonbuoyant paravane. 2,589,312, Mar. 18.

Wilcoxson, Leslie S., Ridgewood, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Chemical furnace. 2,594,267, Apr. 22.

Wilcoxson, Leslie S., Ridgewood, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for the recovery of chemicals and heat from residual liquor. 2,619,411, Nov. 25.

Wild-Barfield Electric Furnaces Limited, assignee: *See*—
Haywood, Frederick W., and Laidler.

Wild, Frederick W., Cumberland, R. I. Flier. 2,599,356, June 3.

Wild, Heinrich, Baden, Switzerland. Plotting apparatus for photogrammetric surveys. 2,600,948, June 17.

Wild, Henry W., assignor to Scoville Manufacturing Company, Waterbury, Conn. Sound making device. 2,616,217, Nov. 4.

Wild, John M.: *See*—
Lomax, Clarence E., and Wild.

Wild, Norman R., East Natick, assignor to Raytheon Manufacturing Company, Newton, Mass. Radio-frequency system. 2,586,754, Feb. 10.

Wild, Norman R., East Natick, assignor to Raytheon Manufacturing Company, Newton, Mass. Broad-banded termination for electromagnetic wave transmission systems. 2,591,223, Apr. 1.

Wild, Norman R., East Natick, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency apparatus. 2,599,033, June 3.

Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Antihunting measuring and controlling apparatus. 2,595,034, Apr. 29.

Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,596,751, May 13.

Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Solenoid actuated self-balancing measuring apparatus. 2,602,911, July 8.

Wild, Rudolf F., Philadelphia, C. A. Dyer, Glenside, J. C. Mouzon, Wyndmoore, and W. P. Wills, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,621,298, Dec. 9.

Wildbolz, Rudolf, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Arrangement for producing a spun short-fiber yarn. 2,611,931, Sept. 30.

Wilde, Albert E., assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Biscuit-cutting and the like machinery. 2,596,317, May 13.

Wilde, Alton H., Hannibal, N. Y. Rotary egg cleaner and polisher brush. 2,602,945, July 15.

Wilde, Arthur, assignee: *See*—
Groves, Martin V.

Wilde, Arthur E.: *See*—
Russell, Eugene J., and Wilde.

Wilde, Charles, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine accessory for underwater operation. 2,623,186, Dec. 23.

Wilde, Frederick G., assignor to Paragon Revolute Corporation, Rochester, N. Y. Apparatus for feeding aqua ammonia and the like. 2,583,678, Jan. 29.

Wilde, Geoffrey L., Coxbench, assignor to Rolls-Royce Limited, Derby, England. Axial flow compressor regulation. 2,613,029, Oct. 7.

Wilder, Coleman D., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing uranium chlorides. 2,582,941, Jan. 15.

Wilder, Edward A., and E. S. McLoud, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Refining of vegetable wax powder. 2,605,900, Aug. 5.

Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph signal bias meter. 2,587,561, Feb. 26.

Wilder, Henry W.: *See*—
Clark, David M., Wilder, Wood, and Hallenback.

Wilder, Hugh J., assignee: *See*—
Culp, Lide C.

Wilder, Milton H., Niles, assignor to Wilder Products Company, Springfield, Ohio. Smoke pipe top. 2,581,992, Jan. 8.

Wilder Products Company, assignee: *See*—
Wilder, Milton H.

Wilder, Richard S., Roslyn, and D. F. Herman, assignors to Publicker Industries Inc., Philadelphia, Pa. N-disubstituted-amino t-hydroxy ketones. 2,580,494, Jan. 1.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for dressing grinding wheels. 2,587,261, Feb. 26.

Wildhaber, Ernest, Brighton, N. Y. Friction drive. 2,593,510, Apr. 22.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and machine for cutting gears. 2,598,327, May 27.

Wildhaber, Ernest, Brighton, N. Y. Universal joint. 2,599,596, June 10.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Machine for cutting clutches. 2,608,906, Sept. 2.

Wildhaber, Ernest, Rochester, N. Y. Adjustable ratio friction drive. 2,591,753, Apr. 8.

Wildhaber, Ernest, Rochester, N. Y. Axle drive. 2,609,711, Sept. 9.

Wildhaber, Ernest, Brighton, and L. O. Carlsen, assignors to Gleason Works, Rochester, N. Y. Method of and apparatus for cutting and chamfering gears. 2,620,709, Dec. 9.

Wildhack, William A., Arlington, Va. Liquid oxygen converter. 2,580,710, Jan. 1.

Wildi, Charles, Lucerne, Switzerland. Dredging apparatus. 2,619,844, Dec. 2.

Wildt and Company Limited, assignee: *See*—
Barsby, Edward S., and Saunders.
Saunders, Alfred P.

Wiles, Elwood, Portland, Oreg. Hanging bracket for illuminating tubes. 2,616,028, Oct. 28.

Wiles, Quentin T.: *See*—
Hopper, Francis C., and Wiles.

Wiles, Quentin T., Lafayette, and D. W. Elam, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Compositions containing glycidyl polyethers of dihydric phenols and polyvinyl acetate. 2,602,785, July 8.

Wiley, Bruce F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Overshot tool. 2,621,959, Dec. 16.

Wiley, Bruce F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Logging caliper. 2,622,334, Dec. 23.

Wiley, Carl A., Yellow Springs, Ohio. Dielectric horn. 2,596,190, May 13.

Wiley, Darrell R., Jackson, Mich. Buffer backing pad. 2,581,567, Jan. 8.

Wiley, John L.: *See*—
Bond, John A., and Wiley.

Wiley, John W., assignor to Armstrong Cork Company, Lancaster, Pa. Flexible cork compositions having a rubberlike binder and making the same. 2,607,748, Aug. 19.

Wiley, Otis W., Sedalia, Mo., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Apparatus for cutting and sizing cellular glass slabs. 2,595,115, Apr. 29.

Wiley, Paul F., assignor to Eli Lilly and Company, Indianapolis, Ind. Lower alkyl esters of O-carboxyphenylthioantimony dichloride. 2,606,201, Aug. 5.

Wiley, Paul F., assignor to Eli Lilly and Company, Indianapolis, Ind. Chromanone compounds. 2,621,189, Dec. 9.

Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Weigh feeder. 2,619,256, Nov. 25.

Wiley, Robert D., Birmingham, Mich. Filter. 2,595,740, May 6.

Wiley, Robert E.: *See*—
Swanson, Fred R. and W. S., and Wiley.

Wiley, William R., Phoenix, Ariz. Deformable sheet metal fastening clip. 2,611,166, Sept. 23.

Wilfley, A. R., and Sons., Inc., assignee: *See*—
Wilfley, Elmer R.
Wilfley, Elmer R., and Aldred.

Wilfley, Elmer R., assignor to A. R. Wilfley and Sons, Inc., Denver, Colo. Shielding device for antifriction bearings. 2,608,423, Aug. 26.

Wilfley, Elmer R., assignor to A. R. Wilfley and Sons, Inc., Denver, Colo. Glandless seal for centrifugal pumps. 2,620,207, Dec. 2.

Wilfley, Elmer R., and J. L. Aldred, Jr., assignors to A. R. Wilfley and Sons, Inc., Denver, Colo. Centrifugal pump. 2,581,504, Jan. 8.

Wilfley, Elmer R., and J. L. Aldred, Jr., assignors to A. R. Wilfley and Sons, Inc., Denver, Colo. Centrifugal pump. 2,614,502, Oct. 21.

Wilhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutter for gears, face couplings, and the like. 2,586,451, Feb. 19.

Wilham, Carl A.: *See*—
Jeanes, Allene R., and Wilham.

Wilhelm, Cora M., assignee: *See*—
Wilhelm, Warner F. and Warren F.

Wilhelm, Harley A.: *See*—
Carlson, Oscar N., and Wilhelm.

Wilhelm, Harley A., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for chemical reaction detection. 2,614,645, Oct. 21.

Wilhelm, Harley A., and K. A. Walsh, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Producing zirconium tetrafluoride. 2,602,725, July 8.

Wilhelm, John H., Hamilton Beach, N. Y., assignor to Voices, Inc., Bayonne, N. J. Sound producing device, especially for dolls. 2,583,402, Jan. 22.

Wilhelm, John H., Long Island, N. Y., assignor to Margon Corporation, Bayonne, N. J. Doll eye assembly. 2,618,898, Nov. 25.

Wilhelm, Robert M.: *See*—
Weber, Joseph J., and Wilhelm.

Wilhelm, Warner F. and Warren F.; said Warren F. Wilhelm assignor to C. M. Wilhelm, Chicago, Ill. Combustible core for forming ducts in concrete structures. 2,589,177, Mar. 11.

Wilhelm, Warren F.: *See*—
Wilhelm, Warner F. and Warren F.

Wilhelmi, Carl J., Chicago, Ill. Ventilator mechanism. 2,596,801, May 13.

Wilhelmsen, Trygve J.: *See*—
Ruud, Otto S., and Wilhelmsen.

Wilhide, Glenn C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Apparatus for dressing valve seat grinding stones for convex valve seats. Re. 23,500, May 20.

Wilhide, Glenn C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Apparatus for dressing valve seat grinding for convex valve seats. 2,582,763, Jan. 15.

Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Cabinet top support flange structure. 2,622,952, Dec. 23.

Wilhoit, John W., Jr., assignee: *See*—
Leftwich, Edmund H.

Wilhoit, Lowell M.: *See*—
Marshall, Samuel J. E., and Wilhoit.

Wilhoit, Richard M., assignee: *See*—
Leftwich, Edmund H.

Wilke, Milton E., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Electric terminal for dry batteries. 2,590,284, Mar. 25.

Wilken, Casey J., Herndon, Va. Treating potable distilled spirits. 2,586,133, Feb. 19.

Wilken, George B., Escondido, Calif. Self-setting rodent trap. 2,615,278, Oct. 28.

Wilkening, Frederick W., Penn Valley, H. G. Braendel, Paoli, and C. F. Engelhardt, Yeadon, assignors to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,609,259, Sept. 2.

Wilkening Manufacturing Company, assignee: *See*—
Wilkening, Frederick W., Braendel, and Engelhardt.

Wilkens, Arno G. K.: *See*—
Ostermann, Hans J., Wilkens, and Bryan.

Wilkenson, Erik A., and P. T. Faxen, assignors to Svenska Aeroplan Aktiebolaget, Linkoping, Sweden. Bombing instrument for aircraft. 2,609,729, Sept. 9.

Wilkerson Corporation, assignee: *See*—
Wilkerson, Dewey.

Wilkerson, Dewey, assignor to Wilkerson Corporation, Denver, Colo. Air line automatic drain valve. 2,619,106, Nov. 25.

Wilkerson, Dewey, assignor to Wilkerson Corporation, Denver, Colo. Automatic tank drain unit. 2,619,985, Dec. 2.

Wilkerson, Edward D., Orange, N. J. Spring expander prop. 2,617,180, Nov. 11.

Wilkerson, Jefferson R.: *See*—
Lester, John M., and Wilkerson.

Wilkerson, Jefferson R., Hempstead, N. Y., assignor to The Sperry Corporation. Pulse generator. 2,585,066, Feb. 12.

Wilkerson, Victor O., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Accumulator. 2,580,870, Jan. 1.

Wilkes, Gilbert: *See*—
Plummer, Kinsey L., and Wilkes.

Wilkes, Jay J., Redondo Beach, Calif. Military convoy control signal. 2,602,115, July 1.

Wilkes, John B., Albany, assignor to California Research Corporation, San Francisco, Calif. Producing 4-chlorobutane-1-sulfonyl chloride. 2,623,069, Dec. 23.

Wilkes, Traub, New York, N. Y. Surgical instrument. 2,592,778, Apr. 15.

Wilkey, Rollie R., Chicago, Ill. Spot removing gun. 2,593,080, Apr. 15.

Wilkie Company, The, assignee: *See*—
McLaughlin, John J.

Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus for coiling wool sliver in cans. 2,598,738, June 3.

Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus for cutting fibers. 2,599,148, June 3.

Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus and method for the treatment of textile fibers in strand form. 2,621,372, Dec. 16.

Wilkin, Ellsworth D., assignor to Johnston Lawn Mower Corporation, Ottumwa, Iowa. Transmission and clutch system. 2,608,102, Aug. 26.

Wilkin, Lester A., assignor to Graver Tank & Mfg. Co., East Chicago, Ind. Storage building. 2,618,401, Nov. 18.

Wilkins, George C., South Windham, Maine. Wrapping strip. 2,584,074, Jan. 29.

Wilkins, Oscar L., Washington, D. C. Recognition system. 2,602,160, July 1.

Wilkins, Raymond A.: *See*—
Short, Brooks H., Wilkins, Shaw and Dyer.

Wilkins, Robert W., Newburyport, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Net-suit, or combined G-suit, parachute, safety and crash harness. 2,605,065, July 29.

Wilkins, Walter, Jacksonville, Fla. Physician's venous blood letting and collecting instrument. 2,584,520, Feb. 5.

Wilkinson, Clarence M., Akron, Ohio. Hand or foot operated closure for laundry, rubbish, and like chutes. 2,587,021, Feb. 26.

Wilkinson, James W., assignor to Hastings Manufacturing Company, Hastings, Mich. Making filter cartridges. 2,584,771, Feb. 5.

Wilkinson, James W., assignor to Hastings Manufacturing Company, Hastings, Mich. Oil filter. 2,621,796, Dec. 16.

Wilkinson, John: *See*—
Martin, Gustav J., and Wilkinson.

Wilkinson, John E., Los Angeles, assignor of forty per cent to W. D. Plowden, Van Nuys, Calif. Vehicle suspension. 2,622,896, Dec. 23.

Wilkinson, Joseph M., G. W. Pedlow, and R. W. Wynn, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of α-halo-p-nitroacetophenone. 2,619,505, Nov. 25.

Wilkinson, Joseph M., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of 1-acetoxy-3-buten-2-one. 2,585,067, Feb. 12.

Wilkinson, Leonard A., assignor to Argus Cameras, Inc., Ann Arbor, Mich. Flash lamp ejector socket assembly. 2,595,318, May 6.

Wilkinson, Read A., Nampa, Idaho. Beet cleaning apparatus. 2,587,258, Feb. 26.

Wilkinson, Samuel C. W., Burnham, assignor to Crane Packing Limited, Slough, England. Sealing means between rotating and nonrotating machine parts. 2,599,034, June 3.

Wilkinson Sword Company Limited, assignee: *See*—
Hansard, Douglas A.
Knowles, Frederick W.

Wilkinson, William C., Jr., Princeton, N. J., assignor to Radio Corporation of America. Electromagnetic horn antenna. 2,591,486, Apr. 1.

Wilkinson, William T., executor: *See*—
Jones, Lewis.

Wilkirson, Jim P., Waco, Tex. Casket placer. 2,588,445, Mar. 11.

Wikoff, William L., Youngstown, Ohio. Paper cutter. 2,609,047, Sept. 2.

Wilkor Products, Inc., assignee: *See*—
Kohring, Wilbur M.

Wilks, Maurice C., assignor to The Rover Company Limited, Solihull, England. Fuel supply system for internal-combustion engines. 2,619,947, Dec. 2.

Will, George W., Cleveland, Ohio. Lock device. 2,596,802, May 13.

Will, Victor R., Sacramento, Calif. Ceiling bed. 2,588,785, Mar. 11.

Will, Walter O.: *See*—
Peterson, Albert C., and Will.

Will, Wilbert A., assignor to Crown Controls Company, Inc., New Bremen, Ohio. Damper motor. 2,613,543, Oct. 14.

Will, Wilbert A., assignor to Crown Controls Company, Inc., New Bremen, Ohio. Damper control unit. 2,621,649, Dec. 16.

Willach, Bernhard, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Release valve. 2,587,421, Feb. 26.

Willard, Alfred R.: *See*—
Glasener, Carl R., Willard, and Weller.

Willard, George E.: *See*—
Baumgart, Elmer F., and Willard.

Willard, Hobart H., Ann Arbor, Mich., and W. S. Gale, Syracuse, N. Y., assignors to McCord Corporation, Detroit, Mich. Soldering flux. 2,612,459, Sept. 30.

Willard, Hobert H., Ann Arbor, Mich., and W. S. Gale, Syracuse, N. Y., assignors to McCord Corporation, Detroit, Mich. Soldering. 2,612,460, Sept. 30.

Willard, Staples X.: *See*—
Wells, Lloyd K., and Willard.

Willard Storage Battery Company, assignee: *See*—
Endress, Clarence H.
Glasener, Carl R., Willard, and Weller.
Havlick, Howard T.
Homan, John.
Wellborn, Howell H.

Willbrandt, Franklin M., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Carton filling and weighing machine. 2,595,035, Apr. 29.

Willbrandt, Franklin M., Battle Creek, assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for erecting cartons. 2,612,087, Sept. 30.

Willcox, Frederick P., Bethesda, Md. Photoelectric exposure meter for incident light measurements. 2,612,817, Oct. 7.

Willcox, Frederick P., Vestal, N. Y. Exposure meter dial structure. 2,584,406, Feb. 5.

Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Backlin, Clarence R.
Hrisch, George A., and Backlin.
Nelson, Clarence R.

Willcox, Oswin B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of TiO_2 pigments. 2,591,988, Apr. 8.

Wille, Rudolf, Berlin-Charlottenburg, Germany. Method for atomizing fuel and nozzle for carrying out this method. 2,623,786, Dec. 30.

Willems, Peter, Nordenau, near Winterberg, Westphalia, Germany. Mixing and dispersing device. 2,619,330, Nov. 25.

Willemse, Theo W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for charging a capacity. 2,586,589, Feb. 19.

Willemse, Theo W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for charging capacitors. 2,617,080, Nov. 4.

Willenborg, Walter J., Weehawken, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Gas and vapor measuring apparatus. 2,618,150, Nov. 18.

Willenbring, Paul M., St. Cloud, Minn. Chuck key holder for drill motors. 2,592,094, Apr. 8.

Willets, Charles H., Houston, Tex. Tiltable chair device. 2,604,928, July 29.

Willett, Consider H., Inc., assignee: *See*—
Brandon, Frank M.

Willett, Harry B., Indianapolis, Ind. Platen-bed press for simulating cylinder press printing. 2,593,713, Apr. 22.

Willett, Leon E., and R. G. Baker, assignors to Chamberlin Company of America, Detroit, Mich. Key operated lock mechanism. 2,591,111, Apr. 1.

Willey, Frank G., Roslyn Heights, assignor to Servo Corporation of America, New Hyde Park, N. Y. Relay-operated amplifier. 2,581,158, Jan. 1.

Willey, Grant S., assignor to United States Gypsum Company, Chicago, Ill. Vaporproof building construction. 2,606,440, Aug. 12.

Willey, Grant S., Chicago, Ill., and O. W. Frost, Gaston, Oreg., assignors to United States Gypsum Company, Chicago, Ill. Making acoustical tile. 2,581,993, Jan. 8.

Willi, Carl H., and N. L. Snowden, assignors to Caterpillar Tractor Co., Peoria, Ill. Control for cable winding drums. 2,596,318, May 13.

Williams, Alan F.: *See*—
Kaufman, Morris, and Williams.

Williams, Albert H.: *See*—
Taylor, Edgar F., and Williams.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Self-balancing electrical system and method. 2,584,954, Feb. 5.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Motor control system. 2,593,950, Apr. 22.

Williams, Albert J., Jr., and R. E. Tarpley, assignors to Leeds and Northrup Company, Philadelphia, Pa. Vibratory type of synchronous converter. 2,614,188, Oct. 14.

Williams, Alfred A., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material guide for shearing machines. 2,603,291, July 15.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Stopping device for tape in magnetic recorders. 2,590,665, Mar. 25.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing. 2,604,321, July 22.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company Cleveland, Ohio. Electromechanical transducer. 2,614,143, Oct. 14.

Williams, Alfred O.: *See*—
Burrows, Robert J., and Williams.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Rail truck. 2,598,870, June 3.

Williams, Allen S., Washington, D. C. Plaster scratcher. 2,597,767, May 20.

Williams, Arthur H., Riverside, assignor to Shafer Bearing Corporation, Chicago, Ill. Seal. 2,619,369, Nov. 25.

Williams, August L., Chicago, Ill. Door construction for animal shipping crates. 2,608,248, Aug. 26.

Williams, Benjamin M.: *See*—
Klasing, Arthur P., and Williams.

Williams, Beverly E., assignor to Swift & Company, Chicago, Ill. Tote cart. 2,585,360, Feb. 12.

Williams, Bill D., Evansville, Ind. Packaging of nails and the like. 2,590,358, Mar. 25.

Williams, Bill M., assignor to The Dow Chemical Company, Midland, Mich. Purification of benzene hexachloride. 2,584,376, Feb. 5.

Williams, Bill M., L. F. Berhenke, and F. L. Beman, assignors to The Dow Chemical Company, Midland, Mich. Purification of gentisic acid. 2,588,679, Mar. 11.

Williams, Burdell S., Larchmont, N. Y., assignor to Chrysler Corporation, Highland Park, Mich. Temperature control apparatus for machines. 2,606,747, Aug. 12.

Williams, C. K., & Co., assignee: *See*—
Toxby, Thomas.

Williams, Carl, Cornell, Wis. Clamp for outboard motors. 2,584,955, Feb. 5.

Williams, Carl A., Los Angeles, Calif. Closure operator. 2,614,836, Oct. 21.

Williams, Charles C. W.: *See*—
Balsiger, Harold E., and Williams.

Williams, Charles C. W., assignor to Landis Tool Company, Waynesboro, Pa. Feeder for short articles. 2,615,184, Oct. 28.

Williams, Charles R.: *See*—
Hancock, Robert D., Williams, Hagen, and Andersen.
Spaeth, Charles P., and Williams.

Williams, Charles R., Hawthorne, and G. E. Hagen, Lawndale, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Glow tube pulse amplifier. 2,582,367, Jan. 15.

Williams, Charles R., Hawthorne, and G. E. Hagen, Lawndale, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Asymmetrical cold cathode flip-flop circuit. 2,593,375, Apr. 15.

Williams, Charlie D., Pasadena, Calif. Impact tool. 2,587,944, Mar. 4.

Williams, Chester M., Toulon, Ill. Tilting dump wagon with adjustable body pivot. 2,610,892, Sept. 16.

Williams, Clarence B., Grass Valley, Calif. Garment hanger. 2,614,735, Oct. 21.

Williams, Clark H., New York, N. Y. Cushion support for typewriters. 2,613,898, Oct. 14.

Williams, David F., and J. D. Williams, assignors to Williams Refrigeration Inc., Greenville, S. C. Air-conditioned open top display cabinet. 2,601,652, June 24.

Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Unitary hammer spring and trigger spring for firearms. 2,600,176, June 10.

Williams, Dwight: *See*—
Pianfetti, John A., Seaton, and Williams.

Williams, Earl E., Augusta, Kans. Golf ball teeing apparatus. 2,618,480, Nov. 18.

Williams, Earl E., El Dorado, Kans. Golf game. 2,581,738, Jan. 8.

Williams, Earl R., Sacramento, Calif. Automobile sun visor. 2,580,632, Jan. 1.

Williams, Eda, and L. Griser, New York, N. Y. Curtain rod control. 2,587,563, Feb. 26.

Williams, Edward B., Jr., Greenville, Tex. Core barrel. 2,596,832, May 13.

Williams, Edwin K.: *See*—
Rinck, Franklin B., and Williams.

Williams, Elmer R., Tulsa, Okla. Liquid level control. 2,586,410, Feb. 19.

Williams, Elmer R., assignor to F. L. Murdock, Sr., Tulsa, Okla. Apparatus for separating oil emulsion. 2,615,528, Oct. 28.

Williams, Elmer R., assignor to F. L. Murdock, Sr., Tulsa, Okla. Apparatus for treating emulsion emanating from natural oil wells. 2,620,043, Dec. 2.

Williams, Ernest, Jackson Heights, and J. W. Bogdanowski, Flushing, assignors to Consolidated Edison Company of New York, Inc., New York, N. Y. Drilling apparatus. 2,588,068, Mar. 4.

Williams, Everard M., Dayton, Ohio. Photographic waveform recorder for cathode-ray tube indicators. 2,584,175, Feb. 5.

Williams, Everard M., Pittsburgh, Pa. Discriminating panoramic receiver. 2,619,590, Nov. 25.

Williams, Everard M., State College, Pa. Quenched oscillating detector. 2,605,398, July 29.

Williams, Everard M., State College, Pa. Panoramic system. 2,617,015, Nov. 4.

Williams, Everard M., Ellwood City, and B. R. Gardner, Jr., State College, Pa., assignors to the United States of America as represented by the Secretary of War. Radio receiver. 2,586,894, Feb. 26.

Williams, Everard M., and E. V. Cousy, Dayton, Ohio. Pulse analyzer. 2,592,631, Apr. 15.

Williams, Ferd E.: *See*—
Ruedy, John E., and Williams.

Williams, Finis B., Fresno, Calif. Baled hay loader. 2,580,633, Jan. 1.

Williams, Frank B., Chicago, Ill. Stirring and scraping device. 2,593,949, Apr. 22.

Williams, Frank S., Providence, R. I. Railway car axle. 2,582,516, Jan. 15.

Williams, Fred E.: *See*—
Koller, Lewis R., and Williams.

Williams, Fred F., Everett, Wash. Hacksaw. 2,612,920, Oct. 7.

Williams, Frederic C.: *See*—
Bowen, Edward G., Taylor, Williams, Brown, and Touch.
Wood, Hubert, Williams, and Whitehead.

Williams, Frederic C., Great Malvern, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Pulse-echo identifying system. 2,592,777, Apr. 15.

Williams, Frederic C., Timperley, England. Radio navigation system. 2,607,913, Aug. 19.

Williams, Frederic C., Timperley, and N. F. Moody, Cuffley, England. Wireless beacon system. 2,582,894, Jan. 15.

Williams, George B., Ann Arbor, Mich., assignor to The M. W. Kellogg Co., Jersey City, N. J. Distillation of nitriles. 2,616,838, Nov. 4.

Williams, George P., Portland, Oreg. Glue block cutting machine attachment for band saws. 2,603,250, July 15.

Williams, George W., assignee: *See*—
Ames, Robert G.

Williams, George W., III, assignee: *See*—
Ames, Robert G.

Williams, Gethin, Oxford, and A. P. Fowler, London, England. Apparatus for treating vehicle bodies. 2,598,201, May 27.

Williams, Gordon T., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine disk construction. 2,618,460, Nov. 18.

Williams, Gurdon H., Haddonfield, N. J., assignor to Radio Corporation of America. Metal detecting and sorting apparatus. 2,620,923, Dec. 9.

Williams, Guy E., Wichita, Kans. Automatic safety shutoff for gas burners. 2,606,606, Aug. 12.

Williams, Harry: *See*—
Molina, Desmond W., Ruau, Nichols, Jackson, and Williams.

Williams, Harry A.: *See*—
Fox, Florian J., and Williams.

Williams, Harry E., Chicago, Ill., assignor to Williams Patent Corporation. Ball return and projecting mechanism for amusement game apparatuses. 2,584,956, Feb. 5.

Williams, Harry E., assignor to Williams Patent Corporation. Chicago, Ill. Tone arm moving and latching mechanism. 2,599,963, June 10.

Williams, Harvey L., Hadlyme, Conn. Garment. 2,582,811, Jan. 15.

Williams, Harvey L., New York, N. Y. Slide fastener. 2,621,387, Dec. 16.

Williams, Henry S., Sharon, Pa. Apparatus for wrapping potted plants. 2,590,742, Mar. 25.

Williams, Herbert B.: *See*—
Smith, Frank E., and Williams.

Williams, Herbert B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cathode structure. 2,621,155, Dec. 9.

Williams, Ira, Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Producing carbon black and valuable by-product gases. 2,623,811, Dec. 30.

Williams, Ivan A., Portland, Oreg. Material uniting punch and die. 2,619,855 Dec. 2.

Williams, Ivan A., Portland, Oreg. Panel support apparatus. 2,622,716, Dec. 23.

Williams, J. H., & Co., assignee: *See*—
Coates, Charles F.

Williams, James D.: *See*—
Williams, David F., and J. D.

Williams, James E., Boothwyn, Pa. Combined greeting and gift bearing folder. 2,623,687, Dec. 30.

Williams, James H.: *See*—
Ward, Terence, and Williams.

Williams, James H., Lincoln, assignor to Grinnel Corporation, Providence, R. I. Chucking mechanism for a tapping machine. 2,607,054, Aug. 19.

Williams, James H., Edgware, and T. Ward, West Wickham, England, assignors to Imperial Chemical Industries Limited. Molding composition, including a novolac, hexamethylene tetramine, boric acid and lime or magnesia. 2,606,888, Aug. 12.

Williams, James V., Jr.: *See*—
Dayger, Jonas E., Shafer, Wooding, Sarley, and Williams.

Williams, James W., 3rd: *See*—
Kinderman, Walter J., and Williams.
Yarnall, David R., and Williams.

Williams, Jefferson R., Jackson, Mich. Folding automobile bed. 2,602,938, July 15.

Williams, Jesse D., Jr., Shively, assignor to Henry Vogt Machine Company, Louisville, Ky. Ice-making apparatus. 2,618,129, Nov. 18.

Williams, Jesse J.: *See*—
Westhoff, Earl C., and Williams.

Williams, John C., Slough, assignor to High-Pressure Components Limited, London, England. Coupling for flexible pipes. 2,591,326, Apr. 1.

Williams, John E., Woodside, N. Y. Signaling device. 2,608,614, Aug. 26.

Williams, John G., Philadelphia, Pa., assignor to Cochrane Corporation. Condensate return system. 2,612,112, Sept. 30.

Williams, John R., Ambler, assignor to Selas Corporation of America, Philadelphia, Pa. Radiant gas burner. 2,622,670, Dec. 23.

Williams, John T. A., New Orleans, La. Resilient motor vehicle tire. 2,584,073, Jan. 29.

Williams, Joseph H., Alameda, Calif. Mechanism for teaching the piano. 2,613,569, Oct. 14.

Williams, Katherine A., assignee: *See*—
Ames, Robert G.

Williams, Joseph F.: *See*—
Moore, Philip D., and Williams.

Williams, Joseph M., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Gold alloys. 2,596,454, May 13.

Williams, Keith, Buffalo, N. Y. Friction shock absorber. 2,610,053, Sept. 9.

Williams, Keith B., assignor of one-half to E. W. Coughlin, Washington, D. C. Windshield wiper. 2,605,491, Aug. 5.

Williams, Kenneth F., St. Paul, Minn. Weed-cutting apparatus. 2,603,051, July 15.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Laboratory balance. 2,582,517, Jan. 15.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Electrical positioning mechanism. 2,584,957, Feb. 5.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Dial scale indicator. 2,584,958, Feb. 5.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale pendulum. 2,592,499, Apr. 8.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale pendulum. 2,592,500, Apr. 8.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic scale capsule. 2,592,501, Apr. 8.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Mounting for indicia viewing assemblies. 2,598,871, June 3.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Swivel dial. 2,602,657, July 8.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scale pressure receiver. 2,602,658, July 8.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,602,659, July 8.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Knife edge pivot contruction. 2,608,448, Aug. 26.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Pivot bearing. 2,612,415, Sept. 30.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,622,867, Dec. 23.

Williams, Leland W.: *See*—
Brown, Harvey H., and Williams.

Williams, Louis A., Belmont, Mass. Lobster fork. 2,607,988, Aug. 26.

Williams, Marvin L., Tulare, Calif. Swivel hitch for earthworking implements. 2,612,826, Oct. 7.

Williams, Milton, Houston, Tex. Electrokinetic transducing method and apparatus. 2,615,940, Oct. 28.

Williams, Norman C., assignor to Power Brake Equipment Co., Portland, Oreg. Trailer relay valve for vacuum brakes. 2,582,612, Jan. 15.

Williams, Norman D.: *See*—
Brennan, Elmer W., and Williams.

Williams, Nunzi, assignee: *See*—
Pauhu, Olva K.

Williams, Owen G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electronic device. 2,604,588, July 22.

Williams Patent Corporation, assignee: *See*—
Williams, Harry E.

Williams, Paul, Burien, Wash. Automatic distress signaling device. 2,587,564, Feb. 26.

Williams, Paul A., Snyder, N. Y. Toy of the fluent material operative type. 2,589,757, Mar. 18.

Williams, Paul A., West Seneca, assignor to Glenn Confections, Inc., Buffalo, N. Y. Forming channels in thermoplastic materials. 2,582,368, Jan. 15.

Williams, Paul A., West Seneca, assignor to Glenn Confections, Inc., Buffalo, N. Y. Forming channels in thermoplastic materials. 2,622,279, Dec. 23.

Williams, Paul L., assignor of fifty per cent to Durkee Bakery of Carthage, Inc., Carthage, N. Y. Nestable container. 2,609,120, Sept. 2.

Williams, Philip H., San Jose, Calif. Boiler feed control. 2,616,447, Nov. 4.

Williams, Philip S., Tulsa, Okla., assignor to Standard Oil Development Company. Apparatus for magnetic well logging. 2,605,319, July 29.

Williams, Philip S., and H. J. Welge, Tulsa, Okla., assignors to Standard Oil Development Company. Preventing water encroachment in oil wells. 2,614,635, Oct. 21.

Williams, Raymond C.: *See*—
Ogden, Albert B., Butcosk, and Williams.

Williams, Raymond H., assignor to White Cap Company, Chicago, Ill. Ring shaped closure remover. 2,613,833, Oct. 14.

Williams Refrigeration, Inc., assignee: *See*—
Williams, David F. and J. D.

Williams, Richard E., assignor to Wilbespan Research Labs, Inc., Manchester, N. H. Electronic tone generator. 2,588,680, Mar. 11.

Williams, Richard J., Birmingham, Mich. Cooky making machine. 2,597,271, May 20.

Williams, Robert F.: *See*—
Hiatt, Gordon D., and Williams.

Williams, Robert F., assignor to Eastman Kodak Company, Rochester, N. Y. Thermoplastic compositions of improved impact strength and their production. 2,614,292 Oct. 21.

Williams, Robert L., A. F. Lammers, and H. W. Zipp, assignors to Boeing Airplane Company, Wichita, Kans. Aircraft flight refueling apparatus. 2,596,455, May 13.

Williams, Robert M., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Turbine construction for turbojet engines. 2,622,843, Dec. 23.

Williams, Robert R., Asheville, N. C. Gun sight. 2,607,120, Aug. 19.

Williams, Rollo G., Grantchester, England. Control means for color lighting. 2,591,650, Apr. 1.

Williams, Ross E., Sandy Hook, assignor to Sperry Products, Inc., Danbury, Conn. Lens system for ultrasonic viewing of defects in objects. 2,592,222, Apr. 8.

Williams, Russell C.: *See*—
Risk, Norman E., Ramsel, and Williams.

Williams, Russel J.: *See*—
Belcher, Daniel, Williams, and Voege.

Williams, Samuel B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combustion chamber with multiple conical sections providing multiple air paths for gas turbines. 2,603,064, July 15.

Williams, Samuel L., New York, N. Y., and J. W. Rush, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Fluid pressure brake equipment. 2,591,224, Apr. 1.

Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Gun trigger pull gauge. 2,596,456, May 13.

Williams, Sidney B., West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Strain responsive gauge. 2,592,223, Apr. 8.

Williams, Sidney B., and C. O. Butler, Oakland, assignors to C & S All Weather Shield Co., Alameda, Calif. Weather shield. 2,583,759, Jan. 29.

Williams, Theodore S., Asbury Park, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,615,911, Oct. 28.

Williams, Thomas B., Taunton, Mass., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Prevention of leakage of make gas from stack valve of a combustible gas generating set. 2,585,417, Feb. 12.

Williams, Vaughan B., Sr., Dallas, Tex., assignor of forty-nine per cent to C. F. Miller, Jr., Falls Church, Va. Apparatus for mechanically icing refrigerator cars and the like. 2,623,363, Dec. 30.

Williams, Vernon M.: *See*—
McDonald, Charles D., Williams, and Swilling.

Williams, Victor G., assignor, by mesne assignments, to Delamere & Williams Company Limited, Toronto, Ontario, Canada. Bag opening and spreading mechanism. 2,601,480, June 24.

Williams, Victor G., assignor, by mesne assignments, to Delamere & Williams Company Limited, Toronto, Ontario, Canada. Opening and loading carton blanks on the conveyer of a packaging machine. 2,601,481, June 24.

Williams, Victor G., assignor, by mesne assignments, to Delamere & Williams Company, Limited, Toronto, Ontario, Canada. Machinery for fabricating bags in various sizes. 2,611,225, Sept. 23.

Williams, Warren W., Royalston, Mass. Mounting for cutting tools. 2,621,548, Dec. 16.

Williams & Watson Limited, assignee: *See*—
Wilson, Lionel B.

Williams, Wilfred, Oldham, and S. D. Studd, Stockport, England. Flexible ladder. 2,607,523, Aug. 19.

Williams, Willard P.: *See*—
Woods, Frederick E., and Williams.

Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Adjustable diameter sheave. 2,610,515, Sept. 16.

Williams, William D., Scotia, N. Y., assignor to General Electric Company. Magnetostriction measuring instrument. 2,596,752, May 13.

Williams, William R.: *See*—
Thomas, Thomas H., Hupp, and Williams.

Williams, William T.: *See*—
Galbraith, William G., Williams, and Abraham.

Williams, William W.: *See*—
Hoefle, Milton L., and Williams.
Neumann, Fred W., and Williams.
Strobel, Albert F., and Williams.

Williams, William W., assignor to Mexia Tubing Rotator Company, Mexia, Tex. Tubing rotator. 2,595,434, May 6.

Williams, William W., Easton, Pa., and W. E. Wallace, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Bis(2-morpholino-4-amino-1,3,5-triazyl-(6)-)-4,4'-diaminostilbene sulfonic and carboxylic acids. 2,618,636, Nov. 18.

Williams, William W., Easton, Pa., and A. F. Strobel, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. N,N''-dibenzyl-N,N',N''-trialkyl-dialkylene triamines. 2,619,502, Nov. 25.

Williams, William W., and H. B. Freyermuth, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Fluorescent agents. 2,623,064, Dec. 23.

Williams, Willie H., Atlanta, Ga. Reamer for the rough ends of tubular members. 2,583,246, Jan. 22.

Williams, Willie V., Dalton, Ga. Machine for forming and sewing fringe. 2,606,514, Aug. 12.

Williamson, Archie O.: *See*—
Bros, Chester W., Williamson, and Guignard.

Williamson, Cecil M., Elmhurst, and E. D. Boisselier, Glen Ellyn, assignors to Sears, Roebuck and Co., Chicago, Ill. Electrothermal bag sealer. 2,610,137, Sept. 9.

Williamson, Charles D., assignor to Williamson-Dickie Manufacturing Company, Fort Worth, Tex. Shirt yoke. 2,607,041, Aug. 19.

Williamson, Charles D., Fort Worth, Tex., and G. Fuller, New Rochelle, N. Y., assignors to Williamson-Dickie Manufacturing Co., Fort Worth, Tex. Woven fabric. 2,596,803, May 13.

Williamson, Crawford A., assignor to A. Teichert & Son, Inc., Sacramento, Calif. Continuous mixer. 2,608,394, Aug. 26.

Williamson, Daniel W., Ferguson, assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Furnace wall. 2,618,961, Nov. 25.

Williamson-Dickie Manufacturing Co., assignee: *See*—
Williamson, Charles D.
Williamson, Charles D., and Fuller.

Williamson, Donald E., assignor to Lincoln Park Industries, Inc., Lincoln Park, Mich. Displacement integrator. 2,608,092, Aug. 26.

Williamson, Floyd M., Detroit, Mich. Wiper arrangement for mirrors and the like. 2,608,708, Sept. 2.

Williamson, Gilbert D., assignor to Valley Concrete Pipe & Products Company, Inc., Yuba City, Calif. Irrigation valve. 2,617,446, Nov. 11.

Williamson, James C., Albany, Ga. Smoking stand. 2,612,313, Sept. 30.

Williamson, James T., Dunedin, New Zealand. Forming articles such as patty pans from paper or other thin material. 2,594,241, Apr. 22.

Williamson, James W., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Controlling electrical power delivered to a variable impedance load. 2,604,575, July 22.

Williamson, Loyal A., Jr.: *See*—
Carson, William T., Jr., and Williamson.

Williamson, Marshall I., New Haven, Conn. Display carton with cover convertible to easel. 2,585,361, Feb. 12.

Williamson, Marshall I., assignor to National Folding Box Company, Inc., New Haven, Conn. Carrier for bottles and cans. 2,605,034, July 29.

Williamson, Marshall I., assignor to National Folding Box Company, Inc., New Haven, Conn. Carrier for bottles and cans. 2,605,035, July 29.

Williamson, Marshall I., New Haven, Conn. Hollow-walled box. 2,605,953, Aug. 5.

Williamson, Marshall I., New Haven, Conn. Hollow-walled box. 2,605,954, Aug. 5.

Williamson, Ollie L., assignor to Dan River Mills, Incorporated, Danville, Va. Apparatus for treating yarns. 2,592,632, Apr. 15.

Williamson, Oscar H., Riverside, Ill., assignor to International Paper Company, New York, N. Y. Box assembly rack. 2,618,208, Nov. 18.

Williamson, Stanley L., Minneapolis, Minn. Plier-type toggle wrench having third jaw. 2,600,594, June 17.

Williamson, Thomas F. M., San Francisco, assignor to A. H. Isenberg, Woodside, Calif. Insulated pipe anchor. 2,611,567, Sept. 23.

Williamson, Walter H., Indian Hill, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Solvent extraction of vegetable oils. 2,595,825, May 6.

Williamson, William R., and J. P. Tyskewics, assignors to The Maxim Silencer Company, Hartford, Conn. Separator for producing dry steam. 2,604,957, July 29.

Williamson-Noble, Guy E.: *See*—
Cooper, Charles P., and Williamson-Noble.

Williard, G. Jay, assignee: *See*—
Harman, Melvin H.

Willier, Henry O., Bethesda, Md. Recovery of precious metals from photographic baths. 2,615,839, Oct. 28.

Williford, Edward A., and M. H. Sweet, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Emulsion sensitometry. 2,590,830, Mar. 25.

Williford, James K., Hickory, Miss. Debarking machine having staggered flail-carrying drums for broadside attack on rotating logs. 2,599,962, June 10.

Williman, José C., Montevideo, Uruguay. Optical reverser of photographic negatives. 2,598,328, May 27.

Willis, Bertha B., Miami, Fla. Tool cabinet. 2,606,805, Aug. 12.

Willis, Claude E. F.: *See*—
Bennett, Thomas R., and Willis.

Willis, Grant N.: *See*—
Clary, Frank A., Jr., and Willis.

Willis, Grant N., Bristol, Conn., assignor to Plymouth Cordage Company, Plymouth, Mass. Joint for twine. 2,605,603, Aug. 5.

Willis, Grant N., East Bristol, assignor to Arthur G. Russell Company, Incorporated, Forestville, Conn. Automatic weighing device for the feed-box of carding machines. 2,597,831, May 20.

Willis, Harry: *See*—
Vickers, Valentine J., and Willis.

Willis, Harry A., Jr., Loudonville, N. Y. Truck hoist. 2,588,598, Mar. 11.

Willis, Maurice B., assignor of one-third to C. C. Morrison, Haddonfield, N. J., and one-third to R. Kubach, Philadelphia, Pa. Printing device for producing graphs, prints, or the like. 2,601,196, June 17.

Willis, Paul, Blue Island, Ill. Air valve. 2,593,376, Apr. 15.

Willis, Paul, Blue Island, Ill. Locomotive valve and valve gear, including separate intake and exhaust valves and separate actuating mechanisms therefor in a single valve chest. 2,593,951, Apr. 22.

Willis, Ralph J., Oceanside, Calif. Portable rug or carpet cleaner. 2,610,343, Sept. 16.

Willis, Robert D., Del Rio, Tex. Radial engine crankshaft mechanism. 2,608,870, Sept. 2.

Willis, Sumner C.: *See*—
Somers, Charles H., and Willis.

Willis, Sumner C., White Plains, N. Y., assignor to Ortho Pharmaceutical Corporation. Dispenser. 2,590,138, Mar. 25.

Willison, Ernest: *See*—
Newhall, Welrose L., Willison and Stevens.

Willits, George W., Hinsdale, Ill., assignor to Johnson & Johnson. Cheese bandage. 2,614,936, Oct. 21.

Willits, Glenn D.: *See*—
Wightman, Lawrence W., and Willits.

Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Motor switch assembly. 2,590,058, Mar. 18.

Willits, Harry H., Louisville, Ky. Grease shield for skillets. 2,611,510, Sept. 23.

Willitts, William M., Lawrence Harbor, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Hand truck. 2,607,502, Aug. 19.

Willkie, Herman F.: *See*—
Unger, Earl D., Smith, and Willkie.

Willman, Richard C., Indianapolis, Ind., assignor to Radio Corporation of America. Synchro overload indicator. 2,619,526, Nov. 25.

Willmore, Charles B., North Aurora, assignor to William F. Jobbins, Incorporated, Aurora, Ill. Aluminum base alloys. 2,584,772, Feb. 5.

Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe rack. 2,605,905, Aug. 5.

Willner, Philipp, New York, N. Y. Laminated advertising structure. 2,621,432, Dec. 16.

Willomitzer, Adolf E., Salt Lake City, Utah. Multiple mold continuous plastic forming machine. 2,613,619, Oct. 14.

Willoughby, Anthony H., Rickmansworth, England, assignor to General Electric Company. Operating circuit for electric discharge devices. 2,593,952, Apr. 22.

Willoughby, Anthony H., Rickmansworth, England, assignor to General Electric Company. Discharge lamp control system with an electromagnetic lock for the simmering shutter. 2,608,640, Aug. 26.

Willoughby, Eric O., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Frequency converter for radio receiving systems. 2,586,895, Feb. 26.

Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Aerial system. 2,611,869, Sept. 23.

Willoughby, Eric O., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Coupling arrangement between aerial and transmission line. 2,617,884, Nov. 11.

Wills, John H., Charlotte, N. C. Processing raw shrimp meat for market. 2,622,034, Dec. 16.

Wills, John H., Chester, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of alpha sodium tetrasilicate. 2,585,609, Feb. 12.

Wills, Marion C., and W. J. Wills, Topeka, Kans. Bucket dumping mechanism for dump type scoops. 2,597,692, May 20.

Wills, Mervyn H. H., assignee: *See*—
Pope, Douglas H.

Wills, Stanley C. F., assignor to E. S. & A. Robinson, Limited, Bristol, England. Machine for the manufacture of paper bags. 2,587,422, Feb. 26.

Wills, Walter P.: *See*—
Wild, Rudolf F., Dyer, Mouzon, and Wills.

Wills, Walter P., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus. 2,588,678, Mar. 11.

Wills, Wayne J.: *See*—
Wills, Marion C. and W. J.

Willshaw, William E., Kenton, assignor to The M-O Valve Company, Limited, London, England. Cavity resonator magnetron. 2,582,185, Jan. 8.

Willshaw, William E., Kenton, assignor to The General Electric Company, Limited, London, England. Apparatus for accelerating charged particles, especially electrons, to very high-velocity. 2,582,186, Jan. 8.

Willshaw, William E., Kenton, assignor to M-O Valve Company, Ltd., London, England. Magnetron. 2,616,063, Oct. 28.

Willson, Carl C., Oklahoma City, Okla. Fishing bait aerating device. 2,601,198, June 17.

Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc. Effecting calibration of the tire inflator spring of tire inflating apparatus. 2,585,362, Feb. 12.

Willson, David S., Muskegon Heights, Mich., assignor to John Wood Company. Lever actuated valve with shifting fulcrum. 2,612,905, Oct. 7.

Willson, David S., Muskegon Heights, and J. C. Woodford, Spring Lake, Mich., assignors to John Wood Manufacturing Company, Philadelphia, Pa. Fluid dispensing apparatus. 2,617,234, Nov. 11.

Willson Products, Inc., assignee: *See*—
George, Robert A.
Hoffmaster, George R.
Johnson, Gerald C., and Perelman.
Pipher, George J.
Seidel, William L.

Willys-Overland Motors, Inc., assignee: *See*—
Benning, Walter F.
Burt, Leo O.
Hedley, Nicholas B.
Junker, Alex J., and Koski.
Roos, Delmar G.

Wilm, Carl C., assignor to J. J. Monaghan Company, Inc., Denver, Colo. Respirator. 2,581,893, Jan. 8.

Wilm, Carl C., Denver, Colo. Collar stay. 2,599,421, June 3.

Wilman, Cecil V.: *See*—
Distin, Lionel S., and Wilman.

Wilman, Donald, London, and R. A. Clarke, Isleworth, England, assignors to General Electric Company. Lighting fixture for elongated tubular lamps. 2,616,027, Oct. 28.

Wilmot, Charles H., Gales Ferry, assignor to The Plastic Wire & Cable Corporation, Jewett City, Conn. Apparatus for assembling connector plugs. 2,593,081, Apr. 15.

Wilmot, Francis A.: *See*—
Hansen, James P., and Wilmot.

Wilmot, James P., assignee: *See*—
Henne, Julius A.

Wilmotte, Raymond M., assignee: *See*—
De Mars, Paul A.

Wilmotte, Raymond M., New York, N. Y., assignor to Padevco, Inc., Washington, D. C. Antenna system. 2,609,504, Sept. 2.

Wilmotte, Raymond M., assignor to Padevco, Inc., Washington, D. C. Frequency modulation receiver for overlapping signals. 2,609,493, Sept. 2.

Wilmotte, Raymond M., assignor to Padevco, Inc., Washington, D. C. Frequency modulation system for receiving one of two overlapping waves. 2,609,494, Sept. 2.

Wilmotte, Raymond M., assignor to Padevco, Inc., Washington, D. C. Electronic heating control system. 2,609,510, Sept. 2.

Wilsdon, Sydney C., Olton, assignor to Monochrome Limited, Redditch, England. Electrolytically coating and etching bearing surfaces. 2,620,296, Dec. 2.

Wilson, Abram B., Weirton, W. Va., assignor to National Steel Corporation. Electroplating. 2,610,145, Sept. 9.

Wilson, Ancil A., San Bernardino, Calif. Tire deflation responsive switch. 2,593,824, Apr. 22.

Wilson, Andrew G., and A. A. Miller, assignors to Self-Changing Gear Company Limited, Coventry, England. Epicyclic gear. 2,612,792, Oct. 7.

Wilson, Andrew N., Colonia, and S. A. Harris, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing pyridine analog of thiamin. 2,587,262, Feb. 26.

Wilson, Arthur D., Hornchurch, H. B. Oakley, Bromborough, and J. Rourke, Bebington, England, assignors to Lever Brothers Company, Cambridge, Mass. Making margarine and the resulting product. 2,592,224, Apr. 8.

Wilson, Arthur O., Okanogan, assignor of one-half to J. D. Frisk, Seattle, Wash. Rotary internal-combustion engine. 2,612,878, Oct. 7.

Wilson, Benjamin J.: *See*—
Murray, George E. R., and Wilson.

Wilson, Bert, Dallas, Tex., assignor to Andrew Brown Company, Los Angeles, Calif. Mixing scale. 2,591,034, Apr. 1.

Wilson, Bertram A., Etobicoke Township, York County, Ontario, Canada. Swivel-jointed wired electrical fixture. 2,594,242, Apr. 22.

Wilson, Broadus, Raleigh, N. C. Apparatus for precooling. 2,588,189, Mar. 4.

Wilson, Charles D.: *See*—
Kenney, Clarence E., and Wilson.

Wilson, Charles D., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Support and connection for steam turbine and condenser installations. 2,603,953, July 22.

Wilson, Charles V.: *See*—
Allen, Charles F. H., and Wilson.

Wilson, Christopher L., Notre Dame, Ind. Making expanded polyvinyl alcohol-formaldehyde reaction product and product resulting therefrom. 2,609,347, Sept. 2.

Wilson, Clarence W., Ontario, assignor to Sunkist Growers, Inc., Los Angeles, Calif. Preparing water soluble alkoxyl substituted chalcone glycosides. 2,615,015, Oct. 21.

Wilson, Claude I., assignee: *See*—
Wilson, Earl F.

Wilson, Clifford B., Ossett, England. Rug making needle. 2,581,894, Jan. 8.

Wilson & Co., Inc., assignee: *See*—
Campbell, Lyman L.
Cleary, Leo P., and Farr.
Forsyth, John S.
Hodson, George F., and Campbell.
Moss, Walter E., and Garapolo.
Reilly, George W., Jr.
Safrin, Leopold, and Volz.

Wilson, David E., Arlington, Va. Sprouting apparatus device. 2,600,718, June 17.

Wilson, David E., Arlington, Va. U shaped collar for golf bags. 2,621,799, Dec. 16.

Wilson, Donald L.: *See*—
Sharman, Eric P., and Wilson.

Wilson, Donald M., West Des Moines, Iowa. Can opener. 2,609,599, Sept. 9.

Wilson, Doyne L., Pasadena, assignor to Oil Base, Inc., Compton, Calif. Reducing the viscosity and gel strength of oil base drilling fluid. 2,604,448, July 22.

Wilson, Earl F., Carlton, Oreg., assignor of forty per cent to C. I. Wilson, Davenport, Calif. Fluid pressure actuated tire changer with circumferentially distributed thrust means. 2,615,506, Oct. 28.

Wilson, Edward G., Iowa Falls, Iowa. Fuel burning hot air heating unit. 2,594,834, Apr. 29.

Wilson, Ellis C., assignor to Marion Power Shovel Company, Marion, Ohio. Suspension boom. 2,603,362, July 15.

Wilson, Elmer A., Beech Grove, Ind. Electronic vibrator insulator. 2,611,064, Sept. 16.

Wilson, Ernest, Los Angeles, Calif. Safety guard for hair straightening combs. 2,598,330, May 27.

Wilson, Eugene D., Memphis, Tenn. Vertical lumber separator. 2,600,147, June 10.

Wilson, Eugene G.: *See*—
Beriou, William P., and Wilson.

Wilson, Evan G., Blundellsands, Liverpool, England. Apparatus for the treatment of hides, skins, and the like. 2,599,503, June 3.

Wilson, Evelyn H., East Orange, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Producing $\Delta^{9,11}$-12-keto steroids $\Delta^{9,0}$-12-keto steroids. 2,617,812, Nov. 11.

Wilson, Forest, and V. Bugg, Pueblo, Colo. Land leveler. 2,619,749, Dec. 2.

Wilson Foundry & Machine Company, assignee: *See*—
Nixon, Jeddy D.

Wilson, Frank C., Arcade, assignor to Manufacturers and Traders Trust Company, Buffalo, N. Y., J. A. Ahern and D. D. Nash, as executors of the estate of Kirke R. Wilson. Four-wheeled dolly for transporting tractor units. 2,608,313, Aug. 26.

Wilson, George R., Richmond Hill, N. Y., assignor to Continental Briar Pipe Co., Inc. Cigarette holder. 2,607,354, Aug. 19.

Wilson, Glenn C., Oak Park, Ill. Invoice assembly for service items. 2,581,895, Jan. 8.

Wilson, H. A., Company, The, assignee: *See*—
Mooradian, Victor G.

Wilson, Harland D.: *See*—
Burns, Howard C., and Wilson.

Wilson, Harland D., Toledo, Ohio, and J. H. Quick, Indianapolis, Ind., assignors to Auto-Lite Battery Corporation, Niagara Falls, N. Y. Battery separator. 2,591,754, Apr. 8.

Wilson, Harland D., and C. Popper, Toledo, Ohio, assignors to Auto-Lite Battery Corporation, Niagara Falls, N. Y. Storage battery separator. 2,591,755, Apr. 8.

Wilson, Harry A.: *See*—
Alix, Elmer C., and Wilson.

Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Bit with interchangeable blade. 2,593,823, Apr. 22.

Wilson, Harry C. Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Can opening mechanism. 2,615,240, Oct. 28.

Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Bit with adjustable cutting blade. 2,618,304, Nov. 18.

Wilson, Harry G., San Fernando, and James S. Evans, San Marino, Calif. Occupant propelled roundabout. 2,606,763, Aug. 12.

Wilson, Harvey A., Brazoria, Tex. Offshore platform. 2,591,225, Apr. 1.

Wilson, Harvey A., Brazoria, Tex. Offshore platform structure and erecting same. 2,598,088, May 27.

Wilson, Harvey A., Brazoria, Tex. Offshore drilling platform and constructing same. 2,598,329, May 27.

Wilson, Harvey A., Brazoria, Tex. Offshore working platform and erecting same. 2,603,068, July 15.

Wilson, Herbert W.: *See*—
Sutton, Otis B., and Wilson.

Wilson, Herbert W., assignor to The Hoover Company, North Canton, Ohio. Switch casing. 2,614,196, Oct. 14.

Wilson, Hiram P., Mabton, Wash. Double knothead twiner. 2,599,597, June 10.

Wilson, Howard L.: *See*—
Hudson, Boyd E., Jr., Wilson, and Nelson.

Wilson, Howard R.: *See*—
Heise, George W., Schumacher, and Wilson.

Wilson, Howard R., Painesville, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Treatment of a metallic cathode to receive electrodeposited metal. 2,583,100, Jan. 22.

Wilson, Ira G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,593,234, Apr. 15.

Wilson, Irving J., Albany, Ga. Awning display rack. 2,606,381, Aug. 12.

Wilson, Ivan V., Wakefield, and R. Marotta, Malden, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Fire-retardant compositions. 2,600,455, June 17.

Wilson, J. C., assignee: *See*—
Snedeger, Albert E.

Wilson, Jack, Chicago, Ill., assignor to Universal Railway Devices Co. Automatic brake adjuster for hopper cars. 2,620,902, Dec. 9.

Wilson, Jack, Chicago, Ill., assignor to Universal Railway Devices Co. Brake adjuster. 2,622,709, Dec. 23.

Wilson, James A.: *See*—
Wilson, Robert A. and J. A.

Wilson, James C., and R. Ferguson, Charlotte, N. C., assignors to The Terrell Machine Company. Comber half-lap. 2,605,512, Aug. 5.

Wilson, James E.: *See*—
Martin, Edward J., and Wilson.

Wilson, James R., and I. C. Lane, Phoenix, Ariz. Simulated geyser. 2,619,377, Nov. 25.

Wilson, James W., Harrisonville, Mo. Disk driving unit. 2,606,777, Aug. 12.

Wilson, John A., Columbus, Ohio, assignor to The Lennox Furnace Co., Marshalltown, Iowa. Liquid fuel burner and control. 2,586,411, Feb. 19.

Wilson, John A., and J. H. Hansen, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Air volume regulator for stokers. 2,609,834, Sept. 9.

Wilson, John B., assignor to Basca Manufacturing Co., Inc., Indianapolis, Ind. Machine for delivering articles serially. 2,586,281, Feb. 19.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for grinding. 2,586,755, Feb. 19.

Wilson, John G., Malvern, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Reversible hammer mill with material deflecting feed structure. Re. 23,468, Mar. 4.

Wilson, John H., Wichita Falls, Tex. Derrick. 2,583,072. Jan. 22.

Wilson, John H., Wichita Falls, Tex. Rotary table. 2,592,633, Apr. 15.

Wilson, John H., Wichita Falls, Tex. Concrete slab wall joint. 2,592,634, Apr. 15.

Wilson, John H., Wichita Falls, Tex. Slip. 2,607,098, Aug. 19.

Wilson, John M., Glasgow, Scotland. Mold for molding concrete ties. 2,611,171, Sept. 23.

Wilson, John M., Glasgow, Scotland. Molding double-walled hollow concrete blocks. 2,622,303, Dec. 23.

Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermal control apparatus with signal means. 2,592,989, Apr. 15.

Wilson, John M., Minneapolis, and S. W. Nickells, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition control apparatus. 2,602,591, July 8.

Wilson, John M., and R. S. Feigal, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner safety control apparatus. 2,616,490, Nov. 4.

Wilson, John R., Penn Township, Allegheny County, assignor to Hanlon & Wilson Company, Wilkinsburg, Pa. Heat exchanger. 2,600,595, June 17.

Wilson-Jones Company, assignee: *See*—
Buenger, Edward F., and Wedge.
Bunch, Peter, Mittomme, and Jennings.
Marano, Herbert W.
Rundblad, George J.
Segal, Samuel.
Uhrmacher, Ralph R., and Cairelli.

Wilson, Joseph G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Method and device for sensing speed with pressure output. 2,599,797, June 10.

Wilson, Joseph L., Matawan, N. J. Gauge for vehicle wheels. 2,590,590, Mar. 25.

Wilson, Joseph L., Saint Thomas, Ontario, Canada. Cage for poultry and animals. 2,601,197, June 17.

Wilson, Kirke R., assignee: *See*—
Wilson, Frank C.

Wilson, Lee, assignee: *See*—
Corns, Edwin A.

Wilson, Leo W., San Diego, Calif. Automatic impedance recorder. 2,611,005, Sept. 16.

Wilson, Leon F., Clarksburg, W. Va. Portable drilling apparatus. 2,604,304, July 22.

Wilson, Lionel B., Prescot, assignor to Williams & Watson Limited, Liverpool, England. Method and apparatus for welding aluminum and its alloys. 2,583,455, Jan. 22.

Wilson, Lucius H.: *See*—
Daniel, John H., Jr., Wilson, Hastings, and Landes.

Wilson, Lucius H., Greenwich, C. G. Landes, New Canaan, and C. S. Maxwell, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Resin-impregnated leather board. 2,601,671, June 24.

Wilson, Lucius H., Greenwich, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Coprecipitation of thermoplastic resinous materials with cationic reaction product of polyfunctional amino compounds and aldehydes. 2,607,750, Aug. 19.

Wilson Manufacturing Company, Inc., The, assignee: *See*—
Loncich, Joseph C.

Wilson, Martel D., Stockton, Calif. Double-walled building panel. 2,621,378, Dec. 16.

Wilson, Matthew: *See*—
Hutchison, Alexander C., and Wilson.

Wilson, Matthew W., Cuyahoga Falls, and E. T. Lessig, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Treating cotton cord. 2,606,844, Aug. 12.

Wilson, Merrideth D., Patton Township, Allegheny County, Pa. Power transmission mechanism. 2,590,880, June 10.

Wilson Mills Inc., assignee: *See*—
Mills, Herbert E.

Wilson, Paul E.: *See*—
Adams, James S., and Wilson.

Wilson, Raymond K., Louisville, Ky. Hand control for automotive vehicles. 2,602,348, July 8.

Wilson Refrigeration, Inc., assignee: *See*—
Pusey, Raymond D.

Wilson, Richard B., Springfield, assignor to Better Brushes, Inc., Palmer, Mass. Wire drawn brush machine. 2,603,536, July 15.

Wilson, Robert A., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing alkylene oxide condensation products. 2,586,767, Feb. 19.

Wilson, Robert A., Cranford, N. J., assignor to Standard Oil Development Company. Centrifugal pump impeller seal ring. 2,604,050, July 22.

Wilson, Robert A. and J. A., Dallas, Tex. Well swab. 2,619,393, Nov. 25.

Wilson, Robert C., Warren, Ohio. Adjusting fluid motor elements to maintain synchronized movement. 2,616,265, Nov. 4.

Wilson, Robert E., Jr., Belleville, N. J. Work bracing means for drill presses. 2,623,421, Dec. 30.

Wilson, Robert G.: *See*—
McCormick, William P., and Wilson.

Wilson, Robert H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Triazine substances for textile treatment. 2,612,501, Sept. 30.

Wilson, Robert L.: *See*—
Corrigan, Edward J., and Wilson.

Wilson, Robert M., assignor to Dare Products, Incorporated, Battle Creek, Mich. Visibility disk for use on wire fences and the like. 2,622,553, Dec. 23.

Wilson, Robert R., Cambridge, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for material separation. 2,606,291, Aug. 5.

Wilson, Robert R., Cambridge, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion sources. 2,624,009, Dec. 30.

Wilson, Ronald A., Felixstowe, England. Radio-frequency inductance coils. 2,598,089, May 27.

Wilson, Ronald M., Ambler, Pa. Check valve. 2,619,316, Nov. 25.

Wilson, Rufus W., Huntingdon, Pa., assignor to Prismo Products, Inc., Dayton, Ohio. Pellet dispensing device. 2,603,383, July 15.

Wilson, Rufus W., Huntingdon, Pa., assignor to Prismo Products, Inc., Dayton, Ohio. Device for applying pellets to an upright adhesive surface. 2,612,374, Sept. 30.

Wilson, Russell E., Cleveland, Ohio. Projection apparatus with optical compensator for multiple objects. 2,584,075, Jan. 29.

Wilson, Samuel A., assignor to Maloney-Crawford Tank & Manufacturing Company, Tulsa, Okla. Horizontal oil and gas separator. 2,614,648, Oct. 21.

Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Purification of isopropanol. 2,588,446, Mar. 11.

Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Isopropanol odor improvement by azeotropic distillation. 2,595,116, Apr. 29.

Wilson Stove and Manufacturing Company, Inc., assignee: *See*—
Cox, Ernest L., and Guice.

Wilson, Theodore J.: *See*—
Kutzler, Robert J., and Wilson.

Wilson, Thomas H.: *See*—
Richardson, Ronald H., and Wilson.

Wilson, Volney C., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cathode-ray tube sweep circuit. 2,604,590, July 22.

Wilson, Volney C., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cathode-ray tube sweep circuit. 2,604,609, July 22.

Wilson, Walter G., Martyr Worthy, near Winchester, England. Fluid pressure actuated clutch. 2,583,919, Jan. 29.

Wilson, Wesley, Chicago, Ill. Infrared oven construction. 2,610,280, Sept. 9.

Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Continuous emulsion polymerization process for vinyl acetate. 2,587,562, Feb. 26.

Wilson, William C.: *See*—
Ryan, John, and Wilson.

Wilson, William C., Lenora, Kans. Universal tractor and implement cab. 2,583,918, Jan. 29.

Wilson, William F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Drive axle and track frame mounting for crawler tractors. 2,588,333, Mar. 4.

Wilson, Winfred E., Tacoma, Wash. Manufacturing composite board. 2,622,276, Dec. 23.

Wilton Tap Company, Inc., assignee: *See*—
Abbott, Samuel L.

Wiltrout, Creed A., St. Paul, Minn. Walking heel. 2,605,761, Aug. 5.

Wiltsey, Howard E., assignor to J. I. Case Company, Racine, Wis. Variable-speed transmission. 2,612,785, Oct. 7.

Wiltshire, James D., Hemet, Calif. Nesting marketing carrier. 2,590,285, Mar. 25.

Wilzbach, Kenneth E.: *See*—
Doak, Kenneth W., and Wilzbach.

Wilzbach, Kenneth E., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. 4,4-Di(chloromethyl)-2-pentanone. 2,606,209, Aug. 5.

Wilzbach, Kenneth E., Chicago, Ill., assignor to the United States of America as represented by the Secretary of War. Chemical indicator for alkyl-chloroarsines. 2,611,748, Sept. 23.

Wimberly, Sam B., and D. R. Self, Birmingham, Ala. Combined punch and pencil device. 2,613,745, Oct. 14.

Wimmer, Glen E.: *See*—
Denison, William E., and Wimmer.

Wimmer, Glen E., Chicago, Ill. Pencil sharpener. 2,591,756, Apr. 8.

Wimmer, Ludwig, Middletown, Conn., assignor, by mesne assignments, to Emhart Manufacturing Company. Bottle arranging machine. 2,596,319, May 13.

Winberg, Glen W., Gamboa, C. Z. Back-pressure valve. 2,598,630, May 27.

Winberg, Hilmer E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-carboanhydrides of beta-amino acids of at least four carbons having nonaromatic, only singly bonded alpha carbon. 2,600,596, June 17.

Winberg, Ragnar W., New York, N. Y. Sewing-machine attachment. 2,600,597, June 17.

Winborn, Byron R., Jr., and D. E. Beduhn, assignors to Manitowoc Shipbuilding Company, Manitowoc, Wis. Pressure tank cover construction. 2,611,505, Sept. 23.

Wince, Vearl S., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Direct lighting fixture. 2,596,634, May 13.

Wincentsen, Forest R., assignor of one-third to E. Marik, Rhinelander, Wis., and one-third to R. A. Burns, Wakefield, Mich. Snowshoe tread. 2,618,869, Nov. 25.

Winchell, Laurence J., Fort Scott, Kans. Mowing attachment for power machinery. 2,615,292, Oct. 28.

Winchell, Sterling F., East Cleveland, assignor to The Warner & Swasey Company, Cleveland, Ohio. Bar stock feeding mechanism. 2,602,213, July 8.

Winchester, Amos J., Jr.: *See*—
King, William D., and Winchester.
Schaelchlin, Walter, and Winchester.

Winchester, Amos J., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for dynamoelectric machines. 2,586,412, Feb. 19.

Winchester, Amos J., Jr., Pittsburgh, Pa., and W. D. King, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reel control system. 2,590,666, Mar. 25.

Winchester Electronics, Incorporated, assignee: *See*—
Burtt, Horatio H., Koenig, and Gilbert.

Windahl, Gunnar, assignor to Nils Jan Anfinsen, Oslo, Norway. Fastening arrangement for skis. 2,581,824, Jan. 8.

Winden, Andrew O., Madelia, Minn. Moisture-absorbing smoking pipe. 2,588,447, Mar. 11.

Winder, Samuel E., assignee: *See*—
Youkers, Harold A.

Winder, Samuel E., Knox, Pa., assignor of one-half to Henry C. Daubenspeck, Massillon, Ohio. Guide tube mechanism for glass machinery. 2,598,955, June 3.

Winder, Samuel E., Knox, Pa., assignor of one-half to H. C. Daubenspeck, Massillon, Ohio. Take-out mechanism. 2,609,943, Sept. 9.

Winders, Rex R.: *See*—
Geist, Alex M., and Winders.

Windfields Limited, assignee: *See*—
Duffield, William A.

Windfields (1946) Limited, assignee: *See*—
Duffield, William A.

Windhorn, William M., Jr., Oxnard, Calif. Rotating nozzle spray gun. 2,596,191, May 13.

Windle, Donald E., assignee: *See*—
Slaughter, Samuel.

Window Products, Inc., assignee: *See*—
Haas, Glenn B.

Window Supply Co., assignee: *See*—
Young, George M.

Windsor, Charles A.: *See*—
Kivley, Ray C., and Windsor.

Wine, William E., Parker, Va. Door frame for railway hopper cars. 2,589,468, Mar. 18.

Winefordner, Roland A., and L. M. McPherson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Machine element. 2,621,052, Dec. 9.

Wineinger, Gail, Hewins, Kans. Fishing hook guard. 2,582,090, Jan. 8.

Wing, Charles A., Ann Arbor, Mich. Silk screen printing press. 2,610,579, Sept. 16.

Wing, Dee A., Brooks Township, Newaygo County, Mich. Fish bait. 2,599,035, June 3.

Wing, Dee A., Newaygo, Mich. Gun sight. 2,615,252, Oct. 28.

Wing, Russell T., Excelsior, Minn. Fountain pen. 2,581,739, Jan. 8.

Wing, Russell T., Excelsior, Minn. Fountain pen. 2,581,740, Jan. 8.
Wing, Russell T., Excelsior, Minn. Fountain pen nib. 2,602,425, July 8.
Wingate, Edward H., Jr., Birmingham, Ala. Door holder. 2,606,053, Aug. 5.
Wingate, Phillip J.: *See*—
Heuse, Ralph O., and Wingate.
Winger, Lloyd T., Trinidad, Colo. Processing and canning whole sweet milk. 2,596,753, May 13.
Winger, Lloyd T., Sr., Trinidad, Colo. Processing and canning whole sweet milk. 2,622,983, Dec. 23.
Wingert, Raymond R.: *See*—
Fyler, George W., and Wingert.
Wingert, Raymond R., assignor to Motorola, Inc., Chicago, Ill. Television tuner. 2,584,176, Feb. 5.
Wingfoot Corporation, assignee: *See*—
Berwick, Jo D.
Borders, Alvin M.
Boughton, James K.
Burger, Edwin M., and De Puy.
Carter, Raymond S., and Dorf.
Clifford, Albert M.
Collier, George H.
Coulter, Marion D.
Cousins, Edward.
Du Pree, Sam.
Enabnit, Robert S.
Endres, Herbert A.
Flory, Paul J.
Flory, Paul J., and Leutner.
George, Everett D.
Goulding, Albert, Jr.
Haase, Jorgen I.
Hardman, Albert F.
Karg, Charles A.
Lepp, Gerhard J., Bateman, and Emberson.
Lindstedt, Paul M.
Mallory, Gerald D., and Ten Broeck.
Nicol, William H.
Potter, Loren D., and Johnson.
Rogers, Thomas H., Jr.
Rogers, Thomas H., Jr., and Ten Broeck.
Smith, Thomas G.
Snyder, James E.
Snyder, James E., and Avant.
Snyder, James E., and Young.
Stalter, Joseph F.
Swindler, Albert E.
Taylor, Charles W.
Truscott, John P.
Wendt, Merle E.
While, Thomas G., and Ray.
Workman, Robert E.
Yakubik, Michael A.
Wininger, Brice S.: *See*—
Straley, James M., and Wininger.
Wink, Kenneth R.: *See*—
Valente, John E., and Wink.
Winkel, Herbert C., Watervliet, Mich. Battery grid. 2,621,219, Dec. 9.
Winkel, Victor J., assignor to Laminated Lumber Products, Inc., Portland, Oreg. Lumber gluing machine. 2,617,456, Nov. 11.
Winkitty Products, Inc., assignee: *See*—
Simms, Leo G.
Winklbauer, Joseph, Willoughby, Ohio. Drone trap. 2,602,940, July 15.
Winkler, Albert H., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,609,806, Sept. 9.
Winkler, Albert H., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,609,807, Sept. 9.
Winkler, Albert H., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,615,695, Oct. 28.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting device. 2,597,606, May 20.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,600,368, June 10.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,615,440, Oct. 28.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,615,696, Oct. 28.
Winkler, Alfred, Portland, Oreg. Sprinkler. 2,594,243, Apr. 22.
Winkler, De Loss E.: *See*—
Bradley, Theodore F., and Winkler.
McMillan, Frank M., and Winkler.
Shokal, Edward C., Winkler, and Devlin.
Whetstone, Richard R., and Winkler.
Winkler, De Loss E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. High molecular weight halogenated materials stabilized with a mixture of an epoxy compound and a carboxylic acid salt. 2,590,059, Mar. 18.
Winkler, De Loss E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Stabilization of vinyl halide polymers with a composition containing an ester of an unsaturated alcohol. 2,609,355, Sept. 2.
Winkler, De Loss E., Orinda, assignor to Shell Development Company, San Francisco, Calif. Polyvinyl chloride organosol compositions containing a non-volatile extract of petroleum. 2,615,858, Oct. 28.
Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Luminaire for elongated tubular lamps. 2,606,998, Aug. 12.
Winkler, Herman E., assignor, by mesne assignments, to U. S. Machine Corporation, Lebanon, Ind. Adjustable tail gate lift assembly. 2,590,591, Mar. 25.
Winkler, Marion R.: *See*—
Waterman, Herbert C., and Winkler.
Winkler, Orville R., Fort Worth, Tex. Portable cattle guard. 2,592,225, Apr. 8.
Winks, John L., and L. Fletcher, assignors to Lowell Specialty Company of Lowell, Mich., Lowell, Mich. Spray nozzle. 2,595,826, May 6.
Winkvist, Carl J., Mattapan, Mass. Printer's gauge. 2,611,315, Sept. 23.
Winn, Biddie H., assignee: *See*—
McDonald, Taylor M.
Winn, Oliver H., Baldwinsville, N. Y., assignor to General Electric Company. Noise suppression circuits 2,605,395, July 29.
Winn, Philip S., New Orleans, La. Knob equipped door handle construction. 2,592,095, Apr. 8.
Winnek, Philip S., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Streptomycin sulfonamides and preparation. 2,620,336, Dec. 2.
Winnemore, Jullien F., Forest Glen, Md. Toy building boxes. 2,589,588, Mar. 18.
Winnen, Franklyn E.: *See*—
Benjamin, Milton L., and Winnen.
Winner, Inc., assignee: *See*—
Fanning, Ralph R.
Winner, Mark H., Jr., New York, N. Y. Electric air heater. 2,580,634, Jan. 1.
Winnewisser, Emil A.: *See*—
Davis, Ernest, and Winnewisser.
Winning, Blair N., and J. F. Trotter, Kansas City, Mo. Portable broiler. 2,608,190, Aug. 26.
Winona Tool Mfg. Company, assignee: *See*—
Fuglie, Elmer A.
Winquist, Karl G., Stockholm, assignor to Carlfors Aktiebolag, Huskvarna, Sweden. Apparatus in the production of aluminum and other powder with leaf structure or needle form. 2,583,456, Jan. 22.
Winslow, Arthur F.: *See*—
Hull, Edwin H., and Winslow.
Winslow, Charles A., and J. J. Meyer, Alameda County, assignors to Winslow Engineering Co., Oakland, Calif. Fluid purifier. 2,583,522, Jan. 22.
Winslow, Charles A., W. G. Nostrand and L. L. Moore, assignors to Winslow Engineering Co., Oakland, Calif. Filter. 2,599,734, June 10.
Winslow Engineering Co., assignee: *See*—
Moore, Laurence L.
Winslow, Charles A., and Meyer.
Winslow, Charles A., Nostrand and Moore.
Winslow, Field H.: *See*—
Baker, William O., and Winslow.
Winslow, Harry I.: *See*—
Armor, Robert L., and Winslow.
Winslow, John C., New York, N. Y. Window shade guard. 2,601,897, July 1.
Winslow, La Verne J., Pasadena, Calif. Picture frame. 2,614,354, Oct. 21.
Winslow, Raymond M., assignor to Winston and Newell Company, Minneapolis, Minn. Combination loading device and hoist for banana bunches. 2,614,704, Oct. 21.
Winslow, William D., Vineland, N. J. Holder for collapsible tooth paste tube and the like. 2,619,310, Nov. 25.
Winson, Jonathan, New York, N. Y. Combination juice extracting machine. 2,610,574, Sept. 16.
Winsor, Philip A.: *See*—
Garner, Philip J., and Winsor.
Mitchell, Reginald G., Tait, Webber, Aickin, Winsor, and Billinghame.
Winstead, Thomas W., Baltimore, Md. Valve for inflatable articles. 2,604,297, July 22.
Winstead, Thomas W., Baltimore, Md. Heat sealing element for thermoplastic film. 2,606,987, Aug. 12.
Winsted Hardware Manufacturing Company, The, assignee: *See*—
Bate, Alan.
Winsten, Walter A., Forest Hills, N. Y., assignor to Schenley Industries, Inc. Purifying Streptomycin. 2,609,369, Sept. 2.
Winsten, Walter A., Forest Hills, assignor to Food Research Laboratories, Inc., Long Island City, N. Y. Derivatives of para-amino salicylic acid. 2,614,104, Oct. 14.
Winsten, Walter A., Forest Hills, M. Katz, New York, and S. R. Safir, White Plains, N. Y., assignors to Schenley Industries, Inc. Streptomycyl amines and production thereof. 2,607,770, Aug. 19.
Winston, Love, Chicago, Ill. Steel bar conveying apparatus. 2,620,931, Dec. 9.
Winston and Newell Company, assignee: *See*—
Winslow, Raymond M.
Winston, Rodney W., Berkeley, assignor to Moore Business Forms, Inc., Emeryville, Calif. Selective transfer manifolding assembly. 2,585,418, Feb. 12.

Winter, Charles H., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation of vapors. 2,580,635, Jan. 1.
Winter, Charles H., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of metals. 2,586,134, Feb. 19.
Winter, Charles H., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of metals. 2,607,674, Aug. 19.
Winter, Charles H., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonmechanical solids valve. 2,609,249, Sept. 2.
Winter, Charles H., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of titanium metal. 2,621,121, Dec. 9.
Winter & Company, Inc., assignee: *See*—
Martin, Lloyd M.
Winter, Daniel F., Ceylon, Minn. Rotary rake and stubble cleaner. 2,588,599, Mar. 11.
Winter, David F., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Voltage pulse generator. 2,603,752, July 15.
Winter, David F., St. Louis, Mo., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Bridge type deflection circuit. 2,612,620, Sept. 30.
Winter, Ernest A., College Park, Ga., assignor to Tennessee Corporation, New York, N. Y. Producing essentially silicon-free hydrofluoric acid from hydrofluosilicic acid. 2,588,786, Mar. 11.
Winter, Ernest A., College Park, Ga., assignor to Tennessee Corporation, New York, N. Y. Production of sodium bifluoride. 2,602,726, July 8.
Winter, George W., Crooksville, Ohio. Mercury switch. 2,609,467, Sept. 2.
Winter, Lester L., Fairview Park, Ohio, assignor to Union Carbide and Carbon Corporation. Fluid impervious carbon article and making same. 2,597,964, May 27.
Winter, Lester L., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid impervious carbon article and making same. 2,597,963, May 27.
Winter, Mahlon A.: *See*—
Schulze, Richard B., Hessler, Davison, and Winter.
Winter, Paul G., Indianapolis, Ind. Microthermal responsive control system. 2,597,272, May 20.
Winter, Richard C.: *See*—
Schlote, Guido F., and Winter.
Winter, Rudolph R., Chicago, Ill. Universal scratch gauge. 2,587,799, Mar. 4.
Winterbauer, Henry T., Arlington Heights, assignor to J. A. Dubow Manufacturing Co., Inc., Chicago, Ill. Ball and making it. 2,609,202, Sept. 2.
Winterbottom, Robert: *See*—
Stansly, Philip G., Shepherd and Winterbottom.
Wintercorn, Andrew F., assignee: *See*—
Palmquist, Marvin E., and Lundstrom.
Winterhalter, Alfred C., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Cable provided with polarized outlets for seismic prospecting. 2,581,994, Jan. 8.
Winterhalter, Alfred C., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismic exploration apparatus. 2,609,438, Sept. 2.
Winterhalter, Martin, Morcote, Switzerland. Sliding clasp fastener. 2,583,035, Jan. 22.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Gas cleaning apparatus. 2,593,377, Apr. 15.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Discharge electrode system for electrical precipitators. 2,601,906, July 1.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Gas flow control for electrical precipitators and the like. 2,608,266, Aug. 26.
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Method and apparatus for recovering gas suspended liquid-soluble material. 2,614,651, Oct. 21.
Winternitz, Paul F., New York, N. Y., assignor to Reaction Motors, Inc., Rockaway, N. J. Container for liquefied gases. 2,594,244, Apr. 22.
Winters & Crampton Corporation, assignee: *See*—
Anderson, Lloyd L.
Winters, Harry K., assignor to Ray Oil Burner Co., San Francisco, Calif. Flame control means for oil burners. 2,616,493, Nov. 4.
Winters National Bank and Trust Co., The, executor: *See*—
McCrery, Harold E.
Winters, Nick, Weirton, W. Va., assignor to National Steel Corporation. Rail splice and reraller. 2,593,235, Apr. 15.
Winters, Ralph J.: *See*—
Wahl, Eugene A., and Winters.
Winters, Russell A.: *See*—
Mack, Louis P., and Winters.
Winters, William A., Sr.: *See*—
Cole, John P., and Winters.
Winther, Anthony: *See*—
Winther, Martin P. and A.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Magnetic clutch with a magnetic lining. 2,580,869, Jan. 1.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee, Waukegan, Ill. Magnetic torque apparatus. 2,583,523, Jan. 22.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee. Labyrinth seal. 2,587,077, Feb. 26.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Electric clutch. 2,617,053, Nov. 4.
Winther, Jerrold B., Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Magnetic band brake. 2,605,862, Aug. 5.
Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, as trustee. Centrifugal-electric clutch. 2,591,989, Apr. 8.
Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, Waukegan, Ill., as trustee. Magnetic pole. 2,603,677, July 15.
Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, as trustee. Magnetic clutch. 2,605,877, Aug. 5.
Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, Waukegan, Ill., as trustee. Automatically controlled transmission. 2,615,349, Oct. 28.
Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Variable-speed transmission gear. 2,605,651, Aug. 5.
Winther, Martin P., Gates Mills, Ohio, and A. Winther, Kenosha, Wis., assignors to M. P. Winther, as trustee. Magnetic fluid mixture clutch. 2,601,076, June 17.
Winther, Martin P., Gates Mills, Ohio, and R. L. Jaeschke, Kenosha, Wis.: said Winther assignor to M. P. Winther, as trustee and said Jaeschke assignor to Dynamatic Corporation, Kenosha, Wis. Magnetic fluid mixture clutch with plow. 2,604,964, July 29.
Winther, Martin P., Gates Mills, and H. J. Findley, Lyndhurst, said Winther assignor to M. P. Winther as trustee, and said Findley assignor to Eaton Manufacturing Company, Cleveland, Ohio. Power transmission. 2,605,650, Aug. 5.
Winther, Martin P., trustee, assignee: *See*—
Winther, Anthony.
Winther, Jerrold B.
Wintle, Harry D., Jr., Brooklyn, N. Y. Medicament applicator. 2,589,178, Mar. 11.
Wintle, Thomas D. G.: *See*—
Besag, Ernst, Hill, and Wintle.
Besag, Ernest, and Wintle.
Wintriss, George, Summit, N. J., assignor to Wintriss Inc., New York, N. Y. Sound maker for toys and other devices. 2,590,743, Mar. 25.
Wintriss, George, Summit, N. J., assignor to Wintriss Inc., New York, N. Y. Air-actuated noise maker. 2,598,956, June 3.
Wintriss, George, Summit, assignor to Conmar Products Corporation, Newark, N. J. Rotary machine for manufacturing slide fasteners. 2,601,884, July 1.
Wintriss Inc., assignee: *See*—
Wintriss, George.
Winz, Oscar: *See*—
Sayre, Gordon B., and Winz.
Wipac Filtration Limited, assignee: *See*—
Bailey, Ronald A.
Wippert, James A.: *See*—
Stamper, Hamilton A., Nelson, and Wippert.
Wire Coating and Manufacturing Company, The, assignee: *See*—
Reisinger, Frederick F.
Wiremold Company, The, assignee: *See*—
Murphy, Robert H., and D'Esopo.
Rejeski, William E.
Wirkkala, Oscar A., Seattle, Wash., assignor to Wirkkala Propeller Sales, Inc. Propeller. 2,599,598, June 10.
Wirkkala Propeller Sales, Inc., assignee: *See*—
Wirkkala, Oscar A.
Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency modulation generator. 2,602,159, July 1.
Wirtanen, Carl A. and E. R., Mount Hamilton, Calif. Spoon holder. 2,590,286, Mar. 25.
Wirtanen, Edith R.: *See*—
Wirtanen, Carl A. and E. R.
Wirtel, Arthur F.: *See*—
De Groote, Melvin, and Wirtel.
Wirtel, Arthur F., and E. Knoesel, Glendale, Mo. Method, apparatus for making coffee beverages. 2,599,682, June 10.
Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Speed controlled fuel system. 2,588,202, May 27.
Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel metering jet adjustment. 2,610,024, Sept. 9.
Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,610,044, Sept. 9.

Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel metering device. 2,617,397, Nov. 11.

Wirth, George S., Wausau, Wis. Battery terminal connector. 2,621,222, Dec. 9.

Wirth, Hans, Middletown, Conn., assignor to Connecticut Asbestos Products, Inc., New York, N. Y. Friction disk and making same. 2,587,945, Mar. 4.

Wirth, Henry E., Philadelphia, Pa. Coding device. 2,581,461, Jan. 8.

Wirth, Walter V., Woodstown, N. J., and S. E. Krahler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blue-fluorescent dyestuffs. 2,581,057, Jan. 1.

Wirtz, Frank E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Lacing machine. 2,580,871, Jan. 1.

Wirz, A. H., Inc., assignee: *See*—
Lay, John L.

Wirz, Ernst, Zurich, Switzerland. Draw hook with lock cap for trailers. 2,591,487, Apr. 1.

Wirz, Paul, Berne, Switzerland. Turbine wheel. 2,609,142, Sept. 2.

Wisconsin Alumni Research Foundation, assignee: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.
Daniels, Farrington.
Hendrickson, William G.
Holt, Matthew L., and Selm.
Link, Karl P.

Wisconsin Motor Corporation, assignee: *See*—
Milbrath, Arthur F.

Wisdom, George P., Exeter, Mo. Beverage carbonating device. 2,591,990, Apr. 8.

Wise, Bernard: *See*—
Clapp, Richard G., Colodny, and Wise.

Wise, Clarence L., Springfield, Ohio. Ventilator for hay and grain containers. 2,580,872, Jan. 1.

Wise, Gary E., assignor to Holdenline Company, Cleveland, Ohio. Fish lure. 2,596,883, May 13.

Wise, Edmund M.: *See*—
Cartier, William O., McLaughlin, Robinson, and Wise.

Wise, Edward N., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Development of electrophotographic images. 2,618,552, Nov. 18.

Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Tabulating mechanism. 2,615,552, Oct. 28.

Wise, George, Washington, D. C. Cabinet unit with changeable interiors. 2,582,812, Jan. 15.

Wise, George, Washington, D. C. Cabinet unit with changeable interior. 2,599,504, June 3.

Wise, James D., assignor, by mesne assignments, to Bigelow-Sanford Carpet Company, Inc., New York, N. Y. Apparatus for blending fibers. 2,602,967, July 15.

Wise, John K.: *See*—
Huntzicker, Harry N., and Wise.

Wise, John K., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Coatings for insulation board. 2,581,058, Jan. 1.

Wise Potato Chip Company, assignee: *See*—
Xander, Paul A.

Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile recorder. 2,622,957, Dec. 23.

Wise, Raleigh J., Dunellen, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile transmitter and recorder with automatic sheet mounting. 2,584,775, Feb. 5.

Wise, Raleigh J., Dunellen, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Tape controlled telegraph transmitter. 2,592,779, Apr. 15.

Wise, Ralph H., assignor to General Motors Corporation, Detroit, Mich. Door lock. 2,608,429, Aug. 26.

Wise, Wm. H., & Co., Inc., assignee: *See*—
Crawley, John J.

Wise, William M., Royal Oak, Mich. Hydraulic weighing scale with overload safety mechanism. 2,620,177, Dec. 2.

Wiseman, William A., assignor to Continental Motors Corporation, Muskegon, Mich. Intake manifold. 2,619,945, Dec. 2.

Wisenbaker, John D., assignor to Core Laboratories, Inc., Dallas, Tex. Treating core samples. 2,617,296, Nov. 11.

Wiser, Guy B., Los Angeles, assignor to Marador Corporation, Glendale, Calif. Bookbinding. 2,583,403, Jan. 22.

Wiser, Guy B., Los Angeles, assignor to Marador Corporation, Glendale, Calif. Book and bookbinding. 2,607,614, Aug. 19.

Wisilcenus, George F., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Flow control means for pulse jet combustion units. 2,618,925, Nov. 25.

Wisilcenus, George F., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Jet-propulsion unit with thrust increaser. 2,620,624, Dec. 9.

Wisner, Arthur S., and C. R. Miller, Lodi, Calif. Window screen with adjustable louver. 2,616,498, Nov. 4.

Wisner, Norman M.: *See*—
Pond, Leander N., and Wisner.

Wisner, Otto, assignor to Lowell Specialty Company, Lowell, Mich. Conveyer for soldering machines. 2,609,078, Sept. 2.

Wisney, Joseph J., Adrian, Mich. Instrument for determining relative levels. 2,614,572, Oct. 21.

Wiss, J., & Sons Co., assignee: *See*—
Persak, George, Jr.

Wiss, John E., Columbus, Ohio. Composition for forming flexible molding patterns. 2,600,354, June 10.

Wissel, Francis A., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Linearity control circuit for television receivers. 2,599,798, June 10.

Wisser, Fred: *See*—
Dondero, John A., and Wisser.

Wissmann, Joseph T., assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Magnetic record volume control. 2,610,257, Sept. 9.

Wissmiller, Ivan L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Preventing evaporation loss and apparatus therefor. 2,611,511, Sept. 23.

Wissmiller, Vernon D., Chicago, Ill., and R. A. Beveridge, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating system control apparatus. 2,583,524, Jan. 22.

Wissow, Lennard J., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Producing nicotinamide. 2,617,805, Nov. 11.

Wiswell, Charles M.: *See*—
Smith, Robert L., and Wiswell.

Wiswell, Charles M., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Heat-activatable delayed-setting adhesive products. 2,608,543, Aug. 26.

Witchger, Eugene J., assignor to The Lufkin Rule Company, Saginaw, Mich. Stop for detachable measuring tapes. 2,607,549, Aug. 19.

With, Bror, Oslo, Norway. Ski binding. 2,622,888, Dec. 23.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Friction snubber for railway car truck springs. Re. 23,515, June 24.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,597,768, May 20.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for trucks of railway cars. 2,614,831, Oct. 21.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for railway draft riggings. 2,618,393, Nov. 18.

Witham, George S., Hudson Falls, N. Y., assignor to The Bristol Company, Waterbury, Conn. Paper stock analyzer. 2,615,329, Oct. 28.

Witherell, Robert R., assignor to Eureka Williams Corporation, Bloomington, Ill. Pressure regulator. 2,604,499, Aug. 12.

Witherell, Robert R., assignor to Eureka Williams Corporation, Bloomington, Ill. Oil burner pumping unit. 2,606,497, Aug. 12.

Witherell, Robert R., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Pump unit. 2,606,498, Aug. 12.

Witherell, Robert R., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Oil burner of the pressure type. 2,606,604, Aug. 12.

Witherell, Robert R., and B. Wright, assignors to Eureka Williams Corporation, Bloomington, Ill. Spray type oil burner. 2,606,603, Aug. 12.

Withers, Conn, assignee: *See*—
Watkins, Walter G.

Witherspoon, Jack, Jr., Knoxville, Tenn., assignor to General Electric Company. Safety control system for fluid fuel burners. 2,604,148, July 22.

Witmer, Florence C., New York, N. Y. Hair retaining device. 2,599,505, June 3.

Witmyer, Robert B., Brownstown, Pa. Sounding wheeled toy. 2,593,511, Apr. 22.

Witsenburg, Emilius C., and H. A. Teunissen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency heating apparatus. 2,623,176, Dec. 23.

Witt, C. F., Sons, assignee: *See*—
Witt, Roy A.

Witt, Joshua C., Chicago, Ill. Wet process for Portland cement manufacture. 2,611,714, Sept. 23.

Witt, Richard M., Berkeley, assignor, by mesne assignments, to M & J Engineering Co., Piedmont, Calif. Motor valve and positioner apparatus. 2,587,800, Mar. 4.

Witt, Richard M., San Francisco, Calif., assignor, by mesne assignments, to Grove Regulator Company. Fluid control apparatus. 2,582,091, Jan. 8.

Witt, Richard M., San Francisco, Calif., assignor, by mesne assignments, to M & J Engineering Co. Valve construction. 2,601,578, June 24.

Witt, Robert M., North Riverside, Ill. Bracket for outboard motors. 2,613,896, Oct. 14.

Witt, Roy A., assignor to C. F. Witt Sons, Minneapolis, Minn. Shopping bag. 2,608,227, Aug. 26.

Wittcoff, Harold: *See*—
Roach, John R., and Wittcoff.

Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Partial esters. 2,590,911, Apr. 1.

Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Ethers of polymerized epihalohydrin 2,599,799, June 10.

Wittcoff, Harold, and J. R. Roach, Minneapolis, Minn., assignors to General Mills, Inc. Rosin acid esters. 2,590,010, Apr. 1.

Wittcoff, Harold, and W. A. Jordan, Minneapolis, Minn., assignor to General Mills, Inc. Lacquer compositions containing the rosin ester of 2,2,6,6,-tetramethyiolcyclohexanol. 2,592,502, Apr. 8.

Witte, James G., Wheaton, Ill., assignor to W. I. Evans and E. Bianco, Los Angeles, Calif. Container and corner locking means therefor. 2,596,320, May 13.

Witte, Michael, Colonie, assignor to General Aniline & Film Corporation, New York, N. Y. Acylation. 2,581,059, Jan. 1.

Witte, William J., New Brunswick, N. J. Drilling machine for shank button blanks. 2,618,181, Nov. 18.

Wittel, Otto: *See*—
Tuttle, Fordyce E., and Wittel.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Device for forming sound records. 2,585,291, Feb. 12.

Wittemann, Walter B., Interlaken, N J. Article transfer mechanism. 2,590,592, Mar. 25.

Wittenberg, Sigbert L., Belle Harbor, N. Y. Film splicer. 2,611,724, Sept. 23.

Witter, Lawrie L., Newton Highlands, and O. R. Deckert, Newtonville, Mass. Educational device. 2,591,327, Apr. 1.

Witter, Robert E.: *See*—
Kovalik, John, and Witter.

Wittke, Dale R., Minneapolis, Minn. Tank ball, stem, and guide for water closet tanks. 2,584,407, Feb. 5.

Wittlin, Albert, Chicago, Ill. Liquid circulation indicator. 2,600,148, June 10

Wittlin, Emanuel, Chicago, Ill. Machine for die-casting and injection molding. 2,586,896, Feb. 26.

Wittman, Joseph J., Detroit, Mich. Adjustable tool. 2,590,593, Mar. 25.

Wittman, Joseph J., Detroit, Mich. Knurling machine. 2,590,667, Mar. 25.

Wittmann, Robert A., Chicago, Ill. Curie point valve. 2,601,579, June 24.

Wittmayer, Sandor A., New York, N. Y. Combination ring watch. 2,608,049, Aug. 26.

Wittmer, Arnold, deceased; by M. Wittmer, legal heir, Arosa, Switzerland. Traction tread for tires. 2,605,807, Aug. 5.

Wittmer, Maria, legal heir: *See*—
Wittmer, Arnold.

Wittwer, Robert, assignor to Ciba Limited, Basel, Switzerland. Dyeing furs using an aqueous alcohol solution of a complex metal compound of an azo dyestuff free from acid groups. 2,585,610, Feb. 12.

Witz, George E., Tucson, Ariz., assignor of one-half to R. L. Kuns, New Carlisle, Ind. Portable back supporting device. 2,607,400, Aug. 19.

Witzel, Ernst, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control system utilizing single point ignition. 2,610,680, Sept. 16.

Witzgall, Herbert J., West Stockbridge, Mass., assignor to General Electric Company. Hinged box. 2,583,350, Jan. 22.

Witzke, Ernest C.: *See*—
Patterson, Ward S., and Witzke.

Witzke, Raymond L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Static network. 2,608,679, Aug. 26.

Witzky, Julius E., Royal Oak, Mich., assignor to the United States of America as represented by the Secretary of the Navy. Injection pump for internal-combustion engines. 2,584,408, Feb. 5.

Witzky, Julius E., Stuttgart-Cannstatt, W. S. Lang, and R. J. Jakob, Wendlingen-Neckar, Germany, assignors to the United States of America as represented by the Secretary of War. Cylinder head assembly for internal-combustion engines. 2,619,078, Nov. 25.

Witzky, Julius E., Stuttgart-Cannstatt, W. S. Lang, and R. J. Jakob, Wendlingen-Neckar, Germany, assignors to the United States of America as represented by the Secretary of War. Lubricating system for internal-combustion engines. 2,619,189, Nov. 25.

Wix Accessories Corporation, assignee: *See*—
Alexander, Leon G., and Sherrill.

Wixon, Howard H., Chicago, Ill. Automobile heater. 2,621,857, Dec. 16.

Wixon, Paul E., Reisterstown, and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Bottom expander. 2,600,355, June 10.

Wixson, Herbert H., North Hollywood, Calif. Radio and/or television game apparatus. 2,609,204, Sept. 2.

Wixson, George, Garden City, Mich. Gravity drive. 2,588,681, Mar. 11.

Wizon, Irvin: *See*—
Cresswell, Arthur, and Wizon.

Wiz-Products, Inc., assignee: *See*—
Tamminga, William J.

Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Measuring head for automotive wheel alignment gauges. 2,586,194, Feb. 19.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Analyzer and transfer unit in tabulating and like machines. 2,588,190, Mar. 4.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Type bar. 2,606,491, Aug. 12.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Feed mechanism for tabulating cards. 2,606,762, Aug. 12.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Throat mechanism for statistical card machines. 2,617,648, Nov. 11.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Zero printing control for tabulators. 2,622,515, Dec. 23.

Woelfer, Robert O., Rahway, assignor to Container Equipment Corporation, Newark, N. J. Carton erecting machine. 2,612,823, Oct. 7.

Woerner, John J.: *See*—
Norton, Robert L., and Woerner.

Woertz, Byron B., Skokie, L. M. Henderson, Winnetka, and C. M. Ridgway, Crystal Lake, assignors to The Pure Oil Company, Chicago, Ill. Blending of hydroformer feed stocks. 2,589,523, Mar. 18.

Woestemeyer, Francis B., Schenectady, N. Y., assignor to General Electric Company. Electrical moisture meter. 2,604,785, July 29.

Wofford, George D., assignor to Bendix Aviation Corporation, Towson, Md. Neutralization of high gain amplifiers. 2,610,261, Sept. 9.

Wofke, Halley, North Hollywood, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Delay-action filter circuit. 2,585,890, Feb. 12.

Wogomon, Donald G., Goshen, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Convertible chaise longue. 2,614,612, Oct. 21.

Wohnsiedler, Henry P.: *See*—
Kropa, Edward L., and Wohnsiedler.

Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Hot-moldable compositions comprising melamine-formaldehyde resin and acrylonitrile copolymer. 2,582,303, Jan. 15.

Wohnsiedler, Henry P., Darien, and E. L. Kopra, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Products obtained from a polyethylene melamine. 2,582,613, Jan. 15.

Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction products of ingredients comprising a polyethylene melamine and an ethylene urea. 2,582,614, Jan. 15.

Wohnsiedler, Henry P., Darien, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified aminoplast compositions and products. 2,582,730, Jan. 15.

Wohnsiedler, Henry P., Darien, E. L. Kropa, Old Greenwich, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified aminoplasts and products prepared therefrom. 2,584,177, Feb. 5.

Wojciechowski, Bogumil M., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for making electrical measurements. 2,589,758, Mar. 18.

Wolcott, Glenn W., assignor to Penn Aircraft Products, Inc., Dayton, Ohio. Apparatus for double flaring tubes. 2,595,036, Apr. 29.

Wolcott, Herbert, Jr., Columbia, Mo. Continuous regeneration system. 2,597,693, May 20.

Wolcott, Herbert B., Jr., Columbia, Mo. Automatic valve control means for water softeners. 2,589,650, Mar. 18.

Wolcott, Paul, Jr., and V. F., San Diego, Calif. Child's foldable toilet seat. 2,617,995, Nov. 18.

Wolcott, Robert G.: *See*—
Tourshou, Simeon I., and Wolcott.

Wolcott, Victor F.: *See*—
Wolcott, Paul, Jr., and V. F.

Wold, Clarence, assignee: *See*—
Wold, Clarence W.

Wold, Clarence W., assignor, by mesne assignments, to C. P. and M. A. Leu, C. Wold, and A. A. Unger, Whittier, Calif. Switch control. 2,581,060, Jan. 1.

Wold, Torbjörn, Strindia, Norway. Hand printing type collocator. 2,621,419, Dec. 16.

Woldman, Henry, Roxbury, and E. D. McDonough, Medford, Mass. Apparatus and machine for reducing tube ends. 2,595,319, May 6.

Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Reflection seismic exploration. 2,580,636, Jan. 1.

Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Recording. 2,617,947, Nov. 11.

Wolf, Calvin N.: *See*—
Ligett, Waldo B., Closson, and Wolf.

Wolf, Cecil R., Rock Falls, assignor to Frantz Manufacturing Co., Sterling, Ill. Overhead door structure. 2,619,165, Nov. 25.

Wolf, Charles H., Kansas City, Mo. Expanding fishhook assembly. 2,597,832, May 20.

Wolf Electric Tools Limited, assignee: *See*—
Gubbins, Charles H.

Wolf, Ezekiel, Dorchester, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Depth sounding apparatus. 2,610,244, Sept. 9.

Wolf, Frank J.: *See*—
Brink, Norman G., and Wolf.

Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparing crystalline streptomycin hydrochloride. 2,590,139, Mar. 25.

Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparation of crystalline dihydrostreptomycin sesquisulfate. 2,590,140, Mar. 25.

Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparation of crystalline dihydrostreptomycin sulfate. 2,590,141, Mar. 25.

Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparation of crystalline dihydrostreptomycin hydrochloride. 2,594,245, Apr. 22.

Wolf, Harold W.: *See*—
Zimmerman, John, Wolf, and Weiner.

Wolf, Harry S., Brooklyn, N. Y. Film holder. 2,613,580, Oct. 14.

Wolf, Joseph, Hood River, Oreg. Endless chain-type power-driven saw. 2,589,914, Mar. 18.

Wolf, Joseph E.: *See*—
Giachetto, John J., Wagner, and Wolf.

Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Transmission line network. 2,600,949, June 17.

Wolf, Louis J., Westminster, assignor to Refrigerator Components Limited, London, England. Expansion valve for use in refrigerating and like apparatus. 2,594,701, Apr. 29.

Wolf Machine Company, The, assignee: *See*—
Smith, Edward F.

Wolf, Mark A.: *See*—
Doty, Alfred E., Johnson, Mussell, and Wolf.

Wolf, Paul A.: *See*—
Moyle, Clarence L., and Wolf.

Wolf, Paul J., West Springfield, Mass. Attachment for garden tools. 2,592,990, Apr. 15.

Wolf, Raymond A., Maplewood, N. J., assignor to Union Carbide and Carbon Corporation. Method and apparatus for butt welding glass members. 2,595,555, May 6.

Wolf, Robert J., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inherently processable interpolymers of vinyl chloride, a higher alkyl acrylate, and a mono-isoolefin. 2,594,375, Apr. 29.

Wolf, Robert J., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tough, strong, and easily-processed vinyl chloride interpolymers containing free sidechain carboxyl groups. 2,605,254, July 29.

Wolf, Robert J., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Interpolymers of vinyl chloride, higher alkyl acrylate and dialkenyl ester of olefinic dicarboxylic acid. 2,608,549, Aug. 26.

Wolf, Robert J., Cleveland, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Interpolymers of vinyl chloride, higher alkyl acrylate, and divinyl aryl hydrocarbon. 2,608,553, Aug. 26.

Wolf, Robert J., and A. A. Nicolay, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Interpolymers of vinyl chloride, alkyl acrylate, and styrene. 2,605,257, July 29.

Wolf, Robert J., and A. A. Nicolay, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Inherently processable interpolymers of vinyl chloride, a higher alkyl acrylate, and an acrylic nitrile. 2,608,552, Aug. 26.

Wolf, Robert L., Richmond, Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Mercaptan-ethylene oxide condensation products of reduced pour point. 2,619,466, Nov. 25.

Wolf, Robert S., Chicago, Ill. Forming foundry cores. 2,583,036, Jan. 22.

Wolf, Robert W., Philadelphia, Pa. Arrangement for maintaining a closure in any of a plurality of open positions. 2,587,947, Mar. 4.

Wolf, Stanford J., San Mateo, Calif., assignor to Schenley Industries, Inc., New York, N. Y. Bottle and closure. 2,584,522, Feb. 5.

Wolf, Stewart W.: *See*—
Caldwell, John B., Ginsberg, and Wolf.

Wolfberg, Harris P.: *See*—
Rembusch, Trueman T., and Wolfberg.

Wolfe, David F., New York, N. Y. Wedge-actuated clamp. 2,596,635, May 13.

Wolfe, Ernest E., assignor to Schuck Manufacturing Co., Inc., Los Angeles, Calif. Venetian blind tape, articulated. 2,601,896, July 1.

Wolfe, George H.: *See*—
Mackenzie, Dorothy E., and Wolfe.

Wolfe, George H., and D. E. Mackenzie, Reno, Nev. Tuyère construction with cooling and steam feeding means. 2,582,615, Jan. 15.

Wolfe, H. Hix: *See*—
Eickmeyer, Earl E., and Wolfe.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Panel arrangement for dispensing pumps. 2,598,957, June 3.

Wolfe, H. Hix and E. W. Haas, assignors to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Pressure switch. 2,623,963, Dec. 30.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler operating mechanism. 2,585,889, Feb. 12.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler and yoke assembly. 2,619,236, Nov. 25.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Retractable coupler for pilots. 2,623,645, Dec. 30.

Wolfe, Henry K., Spokane, Wash. Rotary rod weeder. 2,601,653, June 24.

Wolfe, John K.: *See*—
Zisman, William A., Wolfe, Baker, and Spessard.

Wolfe, John K., Burnt Hills, N. Y., assignor to General Electric Company. Preparation of fluorinated chlorocarbon compounds. 2,601,014, June 17.

Wolfe, John R., Chicago, and C. E. Kelley, Hinsdale, Ill. Device for setting keys on valve stems. 2,586,756, Feb. 19.

Wolfe, John S., Milwaukee, Wis. Welding tool. 2,592,505, Apr. 8.

Wolfe, Raymond E., Beaver, Pa., assignor to The Fairfield Paper and Container Company, Baltimore, Ohio. Shipping and carry-out carton. 2,599,800, June 10.

Wolfe, Richard C., United States Navy, Los Angeles, Calif., and T. C. Boyle, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Automatic buoyancy control system. 2,582,304, Jan. 15.

Wolfe, Russell J., Buffalo, N. Y. Cloth covered garment button. 2,602,975, July 15.

Wolfe, Verlin M.: *See*—
Long, Virgil P., and Wolfe.

Wolfenbarger, Charles E., Walla Walla, Wash. Sealed ignition unit. 2,619,513, Nov. 25.

Wolfersperger, John J., Milwaukee, Wis. High rating fire-tube boiler and boiler operation. 2,581,316, Jan. 1.

Wolff, Charles J., San Antonio, Tex. Rotary pump and compressor. 2,616,616, Nov. 4.

Wolff, Hans, and A. Berger, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Isolation of amino acids. 2,617,823, Nov. 11.

Wolff, Harold I., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Purifying ammonium sulfate. 2,596,950, May 13.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Position determining system. 2,583,503, Jan. 22.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Pulse operated gaseous electron tube circuits. 2,611,090, Sept. 16.

Wolff, Ivan A.: *See*—
Rist, Carl E., Davis, and Wolff.

Wolff, Ivan A., H. A. Davis, J. E. Cluskey, and L. J. Gundrum, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Production of amylose films. 2,608,723, Sept. 2.

Wolff, John L., Jr., Greensburg, and D. F. Aldrich, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Regulating system. 2,617,973, Nov. 11.

Wolff, Josef, Zurich, assignor to A. Brunschweiler & Co., Metallwarenfabrik, Kusnacht-Zurich, Switzerland. Device for running in wires, etc., into tubular structures, in particular in concealed electrical installations. 2,602,845, July 8.

Wolff, Otto, Berlin-Frohnau, assignor to Siemens & Halske Aktiengesellschaft, Munich, Germany. Device for regulating the focal length of magnetostatic pole shoe lenses. 2,624,022, Dec. 30.

Wolff, Otto E., assignor of one-fourth to Polaroid Corporation, Cambridge, Mass. Safety coupling. 2,601,012, June 17.

Wolff, Otto E., assignor of one-fourth to Polaroid Corporation, Cambridge, Mass. Safety coupling. 2,601,013, June 17.

Wolff, Paul H. W.: *See*—
Gross, William L., Hughes, Wolff, and Frankel.

Wolff, Robert L.: *See*—
Kling, Arnold G., and Wolff.

Wolff, William F.: *See*—
Proell, Wayne A., and Wolff.

Wolff, William F., Park Forest, Ill., and C. E. Johnson, Griffith, Ind., assignors to Standard Oil Company, Chicago, Ill. Extraction of aromatic hydrocarbons with esters of thiolsulfonic acid. 2,615,057, Oct. 21.

Wolfinger, Robert F., Delaware, assignor to W. H. F. Schmieding, Columbus, Ohio. Poultry plucking mechanism. 2,595,435, May 6.

Wolford, Clyde E., assignor to Taylor Instrument Companies, Rochester, N. Y. Leakless low friction bearing. 2,615,763, Oct. 28.

Wolford, Fred H.: *See*—
Critoph, David I., Herrmann, and Wolford.

Wolford, George J., and G. R. Klapprodt, Dixon, Ill. Vacuum sander. 2,616,744, Nov. 4.

Wolforth, William C., Flint, assignor to Durand Metal Products Corporation, Saginaw, Mich. Corner stiffening and leg holding construction for collapsible metallic twin tubs. 2,615,593, Oct. 28.

Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for flareless tubes. 2,613,086, Oct. 7.

Wolfram, Melville L., Columbus, Ohio, and S. M. Olin, Elkhart, Ind., assignors to The Ohio State University Research Foundation, Columbus, Ohio. Synthesis of streptamine. 2,590,831, Mar. 25.

Wolfset, I. B., & Co., assignee: *See*—
Saito, Haruhiro.

Wolfskill, John M., Erie, Pa. Piezoelectric crystal apparatus. 2,595,037, Apr. 29.

Wolfson, Henry, and B. Thomson, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Silver plating. 2,613,179, Oct. 7.

Wolk, Michael S., assignee: *See*—
Miles, John R.

Woll, Harry J.: *See*—
Ayres, William R., and Woll.

Wollentin, Robert W.: *See*—
Nagy, Rudolph, and Wollentin.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Guard rail for folding berths. 2,583,760, Jan. 29.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Chaise-longue bed combination. 2,592,504, Apr. 8.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company. Sofa bed. 2,595,038, Apr. 29.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Adjustable coil spring center support. 2,595,039, Apr. 29.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Spring assembly. 2,615,180, Oct. 28.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Sofa chair and bed combination. 2,620,488, Dec. 9.

Woller-Duff, Hilda, New York, N. Y. Mitten. 2,593,378, Apr. 15.

Wollet, Edward, Lakewood, Ohio. Wire creeper. 2,613,257, Oct. 7.

Wollison, Asher S.: *See*—
Schaffel, Gerson S., and Wollison.

Wollner, Hans, assignor to Vinco Corporation, Detroit, Mich. Expansion arbor. 2,612,376, Sept. 30.

Wollner, Paul, Weehawken, N. J. Vaporizing type oil burner apparatus. 2,587,078, Feb. 26.

Wolosianski, Aleksander, assignor, by mesne assignments, to National Heating Products Sales Limited, Montreal, Quebec, Canada. Convector radiator cabinet with removable front panel. 2,622,807, Dec. 23.

Wolowitz, William H., Washington, D. C. Printing machine for duplicating indicia. 2,582,187, Jan. 8.

Wolpert, Paul L. assignee: *See*—
Barrett, Arthur J.

Wolsey Limited, assignee: *See*—
Alexander, Peter, and Earland.
Earland, Christopher, Bailey, and Carter.

Wolske, Lawrence E.: *See*—
Kamin, George W., and Wolske.

Woltanski, Adolph J.: *See*—
Latta, Edward, and Woltanski.

Wolter, Frederick J.: *See*—
Alexander, Guy B., Iler, and Wolter.

Wolter, Frederick J., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silica sols and making same. 2,601,352, June 24.

Woltering, Alphonse J., assignor to Cincinnati Coffin Co., Cincinnati, Ohio. Hermetically sealed burial casket. 2,585,363, Feb. 12.

Wolters, August W., Southampton, N. Y. Money box. 2,613,622, Oct. 14.

Wolters, Carl F.: *See*—
Zenner, Frederick M., and Wolters.

Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Index and signal. 2,616,430, Nov. 4.

Wolters, Carl F., New Canaan, Conn., assignor to Remington Rand Inc., New York, N. Y. Document photographing camera. 2,595,741, May 6.

Wolverton, Marcine P., assignor, by mesne assignments, to Royal Patent Corporation, Chicago, Ill. Puck obstructing device for shuffleboard games. 2,593,641, Apr. 22.

Wolverton, Marcine P., assignor to L. A. Durant, Chicago, Ill. Circuit controlling device. 2,593,642, Apr. 22.

Wolze, Martin H., Glendale, Calif. Stabilizer for vehicle springs. 2,603,481, July 15.

Womack, James A., Atlanta, Ga. Bed or similar article of furniture. 2,601,685, July 1.

Womack, Samuel H. J.: *See*—
Sontag, Harcourt C., Cordero, and Womack.

Womble, Glenn F., Danville, Va., assignor to Dan River Mills, Incorporated. Making two-sided fabric using sulfur acid esters of leuco vat dyes and actinic rays. 2,580,873, Jan. 1.

Womble, Glenn F., assignor to Dan River Mills, Incorporated, Danville, Va. Dyeing with pigment coloring matter. 2,596,192, May 13.

Wondra, Raymond O., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Shutoff mechanism for an injection nozzle. 2,585,204, Feb. 12.

Woo, Howard F., assignee: *See*—
Darr, Harold W.

Woo, Lolita Y., assignee: *See*—
Darr, Harold W.

Woo, Wong G., San Francisco, Calif. Fountain brush pen with reciprocal pin feed. 2,601,132, June 17.

Woock, Eric M., Lodi, Calif. Crop dusting unit. 2,619,767, Dec. 2.

Woock, Herbert J., Alhambra, Calif. Composition for hard facing. 2,611,710, Sept. 23.

Wood, Albert E.: *See*—
Seaman, David J., and Wood.

Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cop winding machine. 2,595,040, Apr. 29.

Wood, Alexander: *See*—
Fisk, Ernest T., and Wood.

Wood, Arthur R., New York, N. Y. Smoking pipe. 2,586,195, Feb. 19.

Wood, Browning P., Montreal, Quebec, Canada. Time computing and recording clock. 2,598,331, May 27.

Wood, Bryan S.: *See*—
Moore, John D., and Wood.

Wood, C. Stanley, executor: *See*—
Jensen, Joseph M.

Wood, Charles W.: *See*—
MacCracken, Calvin D., and Wood.

Wood, Claude E.: *See*—
Reagan, Sydney C., Sr., O. Reagan, and C. E. and G. Wood.

Wood Conversion Company, assignee: *See*—
Heritage, Clark C.

Wood, Durro E., Jacksonville, Ala. Apparatus for making molds. 2,589,179, Mar. 11.

Wood, Earl H.: *See*—
Clark, David M., Wilder, Wood and Hallenback.

Wood, Frank J., New Rochelle, assignor to E. Loewy, New York, N. Y. Rolling mill. 2,601,793, July 1.

Wood, Frank J., New Rochelle, assignor to E. Loewy, New York, N. Y. Rolling mill. 2,601,794, July 1.

Wood, Fredric E., McHenry, and R. L. Sargisson, Berwyn, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Multiline telephone substation instrument and circuits. 2,589,180, Mar. 11.

Wood, Gar, Industries, Inc., assignee: *See*—
Bennett, Robert N.
Gwinn, Joseph M., Jr.
Shaeffer, George D.

Wood, George B., Jr.: *See*—
Chmura, Theodore S., and Wood.

Wood, George B., Jr., assignor to American Bosch Corporation, Springfield, Mass. Fuel injection system. 2,592,367, Apr. 8.

Wood, George G.: *See*—
Vaughan, Victor G., Schaefer, and Wood.

Wood, George H., Jr., Roanoke, Va. Corner trowel. 2,595,742, May 6.

Wood, George R., assignor to Toledo Scale Company, Toledo, Ohio. Meat tenderizing machine. 2,607,950, Aug. 26.

Wood, George W., Stephenville, Tex. Fertilizer distributor. 2,609,127, Sept. 2.

Wood, Gertrude: *See*—
Reagan, Sydney C., Sr., O. Reagan, and C. E. and G. Wood.

Wood, Harry M., Washington, D. C. Fish lure. 2,587,264, Feb. 26.

Wood, Harry P., Westwood, assignor to Arthur D. Little, Inc., Cambridge, Mass. Forming dispersions. 2,597,422, May 20.

Wood, Henry E., Cincinnati, Ohio. Rotary disk toy. 2,607,158, Aug. 19.

Wood, Homer J.: *See*—
Scofield, Paul C., and Wood.

Wood, Hubert: *See*—
Whitehead, James R., and Wood.

Wood, Hubert, Hollinwood, F. C. Williams, and J. R. Whitehead, Millbank, London, assignors to Ferranti Limited, Hollinwood, England. Superregenerative type of wave-signal translating system. 2,617,020, Nov. 4.

Wood, James R., assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet feeder. 2,600,356, June 10.

Wood, James R., assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet delivery mechanism. 2,620,033, Dec. 2.

Wood, Jesse W., assignor to United Gas Pipe Line Company, Shreveport, La. Transferring liquid samples from pressure vessels. 2,613,848, Oct. 14.

Wood, John, Company, assignee: *See*—
Rostine, Carl A.
Willson, David S.

Wood, John, Manufacturing Company, assignee: *See*—
Willson, David S., and Woodford.

Wood, John, Manufacturing Company, Inc., assignee: *See*—
Rostine, Carl A.
Willson, David S.

Wood, Joseph D., Strafford Village, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Blow open, blow closed circuit breaker system. 2,601,483, June 24.

Wood, Joseph D., Strafford Village, Teddyffrin Township, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Blow open, blow closed circuit breaker. 2,601,484, June 24.

Wood, Joseph D., Upper Darby, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Quiet overload circuit breaker. 2,594,107, Apr. 22.

Wood, Joseph D., Upper Darby, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker-blow open, blow closed contacts. 2,601,482, June 24.

Wood, Joseph D., Upper Darby, A. S. Casewell, and E. Goessel, assignors to I. T. E. Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,613,299, Oct. 7.

Wood, Kenneth M.: *See*—
Dildilian, Ara T., and Wood.

Wood, Louvan E., assignor to Bendix Aviation Corporation, Baltimore, Md. Meteorological apparatus. 2,587,946, Mar. 4.

Wood, Louvan E., Glen Arm, and L. H. Vining, Jr., assignors to Bendix Aviation Corporation, Baltimore, Md. Portable device for measuring and indicating the direction and velocity of wind. 2,623,388, Dec. 30.

Wood, Marlon L., Highland, assignor to International Business Machines Corporation, New York, N. Y. Stabilized trigger circuit. 2,598,631, May 27.

Wood, Morris B., Newbury, Mass. Electrical circuit breaker. 2,585,068, Feb. 12.

Wood, Morris B., Newburyport, Mass. Trip-free circuit breaker. 2,613,296, Oct. 7.

Wood Newspaper Machinery Corporation, assignee: *See*—
Roesen, Oscar C.
Tollison, Paul L.
Tollison, Paul L., and Ricards.
Tornberg, Isidor, and Tollison.

Wood, Oliver W., Rahway, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door controlling mechanism. 2,598,958, June 3.

Wood, Orla L., Schenectady, and H. N. Hackett, Ballston, N. Y., assignors to General Electric Company. Shut-off arrangement for mercury vapor systems. 2,607,192, Aug. 19.

Wood, Richard C., Westbury, N. Y., assignors to The Proctor & Gamble Company, Cincinnati, Ohio. Plastic detergents and making same. 2,580,713, Jan. 1.

Wood, Robert E.: *See*—
Betts, Joseph L., Jr., McCracken, Rose, and Wood.

Wood, Robert L., Smyrna, Ga. Bed crane for invalids. 2,585,982, Feb. 19.

Wood, Robert W., Swarthmore, Pa. Arrangement for modernizing buildings. 2,621,765, Dec. 16.

Wood, Russell A.: *See*—
Stoelting, Herman O., and Wood.

Wood, Seth, Pawtucket, R. I. Yarn guiding block for weaving shuttles. 2,607,371, Aug. 19.

Wood, Thomas F., Clifton, N. J., assignor to The Givaudan Corporation. Preparation of salts of 1-amino-2-haloethanes. 2,617,825, Nov. 11.

Wood, Thomas R.: *See*—
Brink, Norman G., and Wood.

Wood, Thomas R., Murray Hill, and D. Hendlin, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Production of vitamin B_{12}. 2,595,499, May 6.

Wood, Thurman C.: *See*—
Gayner, Raymond D., Wood, and Copold.

Wood, Thurman C., Inglewood, Calif., assignor to North American Aviation, Inc. Releasable canopy. 2,612,333, Sept. 30.

Wood, W. A., assignee: *See*—
Hughes, Thomas E.

Wood, William, Philadelphia, Pa., assignor to The Permutit Company, New York, N. Y. Seawater desalting composition. 2,600,719, June 17.

Wood, William, Hoole, Chester, and C. E. Bowen, Shotton, Chester, assignors of one-third to The International Electrolytic Plant Company Limited, Sandycroft, Chester, England. Mercury cathode electrolytic cell. 2,614,977, Oct. 21.

Wood, William H., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Treating lithographic plates. 2,589,313, Mar. 18.

Wood, William S., Harpenden, G. Clennett, and H. L. Hulland, assignors to La Porte Chemicals Limited, Luton, England. Electrolytic production of ammonium persulphate solutions. 2,589,982, Mar. 18.

Woodal, Raymond H., Wembley, assignor to Rotax Limited, London, England. Lubricator. 2,583,457, Jan. 22.

Woodall-Duckham Vertical Retort and Oven Construction Company (1920) Limited, The, assignee: *See*—
Dobson, Frederick W.

Woodall Industries, Inc., assignee: *See*—
Greig, James W., and Fletcher.

Woodard, Marion G., San Antonio, Tex. Fishing line holder. 2,604,720, July 29.

Woodard, Stanley W., assignor to Dale Service Corp., Houston, Tex. Retrievable marine marker. 2,594,702, Apr. 29.

Woodberry, David L.: *See*—
Epler, Robin B., and Woodberry.

Woodbridge, Dwight E., Brooklyn, N. Y. Air drier. 2,594,108, Apr. 22.

Woodbridge, Joseph E., Pensauken, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydration of olefins. 2,617,834, Nov. 11.

Woodburn, Leo G., Orange City, Fla. Windshield with built-in light refracting elements. 2,604,807, July 29.

Woodbury, Clare R., East Orange, N. J. Finger applicator or massaging device. 2,584,649, Feb. 5.

Woodbury, Glen P., Reading, Mass. Frame for photographs and pictures. 2,590,744, Mar. 25.

Woodbury, Roger B., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pip selector. 2,597,214, May 20.

Woodbury, Roger B., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Stabilized frequency divider circuit. 2,599,964, June 10.

Woodcock, Jack, and J. K. Partidge, Stourport-on-Severn, England, assignors to Steatite and Porcelain Products Limited and Dubilier Condenser Company (1925) Limited. Ceramic dielectrics comprising essentially titania. 2,602,753, July 8.

Wooddell, Charles E., G. V. Nimwegen, and E. T. Hager, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles. 2,599,506, June 3.

Woodell, Rudolph, Richmond, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing crepeable yarn. 2,602,285, July 8.

Wooden, Charles K., Burbank, Calif. Detachable carrying device. 2,580,985, Jan. 1.

Woodford, Joseph C.: *See*—
Willson, David S., and Woodford.

Woodhall, Harold, assignor to Allen & Hanburys Limited, London, England. Neurosurgical operating chair. 2,613,725, Oct. 14.

Woodin, Carl A., Joplin, Mo. Chance controlled target game device. 2,619,348, Nov. 25.

Woodin, Walter E., Rahway, assignor to Security Steel Equipment Corporation, Avenel, N. J. Drawer suspension. 2,600,598, June 17.

Wooding, Edwin R.: *See*—
Dayger, Jonas E., Shafer, Wooding, Sarley, and Williams.

Woodings-Verona Tool Works, assignee: *See*—
Skowron, Edmund A.

Woodland, Norman J., Ventnor, N. J., and B. Silver, Philadelphia, Pa. Classifying apparatus and method. 2,612,994, Oct. 7.

Woodling, George V., Cleveland, Ohio. Contractible ring sleeve locking nut. 2,605,804, Aug. 5.

Woodling, George V., Cleveland, Ohio. Contractible split sleeve locking nut. 2,605,805, Aug. 5.

Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,584,313, Feb. 5.

Woodman, Frank W., Maplewood, La., and J. M. Crowell, Brisbane, Calif., assignors to Vanadium Corporation of America, New York, N. Y. Electrolytically producing manganese. 2,603,594, July 15.

Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of steam irons. 2,592,503, Apr. 8.

Wood River Oil & Refining Co., Inc., assignee: *See*—
Michael, Vesta F.

Woodruff, Ben H., Chicago, Ill. Door closer. 2,586,135, Feb. 19.

Woodruff, Ben H., Chicago, Ill. Frozen custard machine. 2,608,833, Sept. 2.

Woodruff, Clarence A., Evanston, Ill. Humidifier for heated air ducts. 2,584,650, Feb. 5.

Woodruff, Clarence M., Columbia, Mo. Testing and analyzing the condition of soil. 2,604,382, July 22.

Woodruff & Edwards, Inc., assignee: *See*—
Resan, Stephen F.

Woodruff, Harold B.: *See*—
Walton, Robert B., and Woodruff.

Woodruff, Harold B., Cranford, assignor to Merck & Co., Inc., Rahway, N. J. Preparing actinophage-resistant A. griseus and preparing streptomycin. 2,585,713, Feb. 12.

Woodruff, Kenneth O., Englewood, and R. L. Krier, Walsenburg, Colo. Diesel-type engine for toy aircraft. 2,610,616, Sept. 16.

Woodruff, Richard L., Richmond, W. T. Stewart, and W. Lowe, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Condensation product of a 2-thiothiasole, formaldehyde, and alkyl phenol to inhibit sulfur corrosive lubricants. 2,607,737, Aug. 19.

Woodruff, Rollin W., Portland, Oreg. Mixing faucet. 2,616,710, Nov. 4.

Woodruff, Roy P., Vallejo, Calif. Ski tow-rope clamp. 2,608,162, Aug. 26.

Woodruff, Steve H., Oklahoma City, Okla. Distributing nozzle. 2,589,589, Mar. 18.

Woodruff, Thomas D.: *See*—
McElhinney, Thomas R., and Woodruff.

Woodruff, William N., Cincinnati, Ohio, assignor to Herschede Hall Clock Company. Parking meter. 2,599,881, June 10.

Woods, Anthony A., Ridgefield, Wash. Boat propulsion device. 2,616,385, Nov. 4.

Woods, Benjamin F.: *See*—
Prox, Robert F., Jr., and Woods.

Woods, Clarence F., Battle Creek, Mich. Two-section mattress. 2,621,341, Dec. 16.

Woods, Elmer O., Los Angeles, Calif. Combination releasable locking device. 2,580,495, Jan. 1.

Woods, Fred D., Glencoe, assignor to Autopoint Company, Chicago, Ill. Fountain pen. 2,593,082, Apr. 15.

Woods, Frederick E., and W. P. Williams, Seattle, Wash., assignors to Boeing Airplane Company. Multiple scale graphic recording mechanism. 2,587,079, Feb. 26.

Woods, Gilbert F., Jr.: *See*—
Schwartzman, Louis H., and Woods.

Woods, James A., Richmond, Calif. Combination baby bouncer and baby carriage. 2,586,495, Feb. 19.

Woods, John E., Cohasset, assignor, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Oil cooler. 2,587,801, Mar. 4.

Woods, John E., Cohasset, assignor to Standard-Thomson Corporation, Boston, Mass. Refrigerating apparatus. 2,608,832, Sept. 2.

Woods, John P.: *See*—
Raburn, Louis E., and Woods.

Woods, John P., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Seismic method and apparatus. 2,592,780, Apr. 15.

Woods, Lyle C., and H. M. Teeter, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of keto acid compounds. 2,589,314, Mar. 18.

Woods, Ridley, Long Beach, Calif. Portable oil well derrick. 2,611,455, Sept. 23.

Woods, Robert A.: *See*—
Bone, Herbert L., and Woods.

Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft with radar antenna. 2,613,887, Oct. 14.

Woods, Stephen E., Briston, assignor to The National Smelting Company Limited, London, England. Apparatus for showering molten metals. 2,613,074, Oct. 7.

Woods, Walter E., Wheelright, Mass., and W. A. Schenck, Milford, N. J., assignors to A. P. W. Products Company, Inc., Albany, N. Y. Glyoxal treatment of absorbent paper to improve wet strength. 2,622,960, Dec. 23.

Woods, Warren W.: *See*—
White, James R., Clark, and Woods.

Woods-Hill, William, Letchworth, and D. T. Davis, Wandsworth Common, London, England, assignors to International Business Machines Corporation, New York, N. Y. Electronic multiplier. 2,623,115, Dec. 23.

Woods-Hill, William, Letchworth, and D. T. Davis, Wandsworth Common, London, England, assignors to International Business Machines Corporation, New York, N. Y. Electronic divider. 2,623,171, Dec. 23.

Woodside, Harry D., Lincoln Park, Mich. End thrust type rotary cutter head. 2,582,574, Jan. 15.

Woodside Smokehouse Company, assignee: *See*—
Doty, Spencer.

Woodson, James A.: *See*—
Kimmel, Raymond T., and Woodson.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Motor and pump assembly. 2,599,307, June 3.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Rotating shaft seal. 2,610,871, Sept. 16.

Woodstock, Willard H., Crete, Ill., assignor to Victor Chemical Works. Detergent composition. 2,586,897, Feb. 26.

Woodsworth, Leland A., Roxbury, Mass. Emergency control for brakes. 2,584,521, Feb. 5.

Woodward, Charles M., Pasadena, Calif. Clamp. 2,614,788, Oct. 21.

Woodward, Clarence M., Washington, D. C. Ink reservoir for lettering pens. 2,586,898, Feb. 26.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Housing for electrical switches and the like. 2,585,887, Feb. 12.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electric switch. 2,606,263, Aug. 5.

Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Improving the color of fats and fatty oils by treatment with chlorine dioxide. 2,592,226, Apr. 8.

Woodward, Erwin, Atlanta, Ga. Self-cleaning valve. 2,615,465, Oct. 28.

Woodward Governor Company, assignee: *See*—
Bailey, Frank N., and Humpal.
Erickson, Francis L.
Gesner, Clyde A.
Parker, George E.

Woodward, Hobart: *See*—
Ellila, Katherine, and Woodward.

Woodward, James S., Cheshire, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Density measuring device. 2,601,777, July 1.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Television antenna. 2,624,001, Dec. 30.

Woodward, Philip M.: *See*—
Smith, Charles H., Booker, and Woodward.

Woodward, Raymond T. C.: *See*—
Morrison, John L. M., Woodward, Reel, and Greaves.

Woodward, Robert N.: *See*—
Broughton, Geoffrey, and Woodward.

Woodward, Robert W., Rockland, Mass. Closure and support for bottles, with locking means. 2,601,353, June 24.

Woodward, Teynham, Los Altos, and F. Melhase, Newark, Calif., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Magnesium oxychloride cement grade magnesia. 2,605,190, July 29.

Woodward, Warren K.: *See*—
Horner, Harold R., and Woodward.

Woodward, William R., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Hyperbolic position-plotting instrument. 2,604,704, July 29.

Woodworth, N. A., Company, assignee: *See*—
Hohwart, George and E. F.

Woody, Joseph R., Stuarts Draft, Va. Container cap-supporting attachment. 2,613,842, Oct. 14.

Woodyard, John R., Berkeley, Calif., assignor to The Sperry Corporation, Great Neck, N. Y. High-frequency terminal. 2,603,711, July 15.

Woofter, Robert C., Cortland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Door switch. 2,606,980, Aug. 12.

Woog, Paul, assignor to Compagnie Francaise de Raffinage (Societe Anonyme), Paris, France. Manufacture of lubricating oils from shale oil. 2,586,590, Feb. 19.

Woolcott, Arthur J., assignor of one-half to Wellworthy Piston Rings Limited, Lymington, England. Manufacture of slotted oil control and like rings. 2,589,590, Mar. 18.

Wooldridge, Dean E.: *See*—
Griest, Raymond H., and Wooldridge.

Woolery Machine Company, assignee: *See*—
Gilmore, Lloyd J.
Woolery, Wilber F.

Woolery, Wilber F., St. Poul, assignor to Woolery Machine Company, Minneapolis, Minn. Railway tie cutting machine. 2,603,255, July 15.

Wooley, Cecil C., Cottage Grove, Oreg. Apparatus for handling concrete blocks. 2,581,568, Jan. 8.

Woolf, James W., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Electric switch. 2,587,948, Mar. 4.

Woolf, James W., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Switch control mechanism. 2,593,643, Apr. 22.

Woolff, Ida M., administratrix: *See*—
Woolff, Richard E.

Woolff, Richard E., deceased, Summit, N. J., by I. M. Woolff, administratrix, Kalamazoo, Mich. Composition, process, and apparatus for manufacture of roofing. 2,619,675, Dec. 2.

Woolley, Bradford G., Providence, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Diaphragm controlled valve with bellows type seal. 2,615,468, Oct. 28.

Woolley, Charles H., Cranford, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Vapor generator. 2,581,896, Jan. 8.

Woolley, Charles H., Cranford, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Steam generator. 2,608,959, Sept. 2.

Woolley, George H., Woodside, England. Knitted fabric. 2,585,888, Feb. 12.

Woolsey, Willard, Chicago, Ill. Return envelope. 2,588,950, Mar. 11.

Wooster Rubbert Company, The, assignee: *See*—
Caldwell, James R.

Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Degenerative feedback radio amplifying. 2,598,478, May 27.

Wordeman, John G., Martin, S. Dak. Fulcrum type can opener. 2,584,244, Feb. 5.

Worden, Donald P., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Antenna construction. 2,609,502, Sept. 2.

Worden, Edward C., Averill Park, N. Y. Chock block for vehicles. 2,613,764, Oct. 14.

Worden, Floyd O., Alliance, Nebr. Whistling toy aerial projectile. 2,621,441, Dec. 16.

Worden, Fred E.: *See*—
Shipley, Robert A., and Worden.

Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Firing indicator attachment for distributors of internal-combustion engines. 2,620,765, Dec. 9.

Work, Erich W., Hartford, assignor to The Beaton & Cadwell Mfg. Co., Inc., New Britain, Conn. Pressure relief valve. 2,584,523, Feb. 5.

Work, Robert S.: *See*—
Shertz, Edward W., and Work.

Workman, Bernard B., assignee: *See*—
Powell, Gerry.

Workman, Harold B.: *See*—
Workman, Thomas L. and H. B.

Workman, Joe W.: *See*—
Miller, Joe, and Workman.

Workman, Robert E., assignor to Wingfoot Corporation, Akron, Ohio. Liquid container. 2,607,879, Aug. 19.

Workman, Thomas L. and H. B., Woodburn, Oreg. Hydraulic hoist for truck bodies. 2,617,684, Nov. 11.

Workman, William J.: *See*—
Fermanian, Armen, Soderman, and Workman.

Works, Carroll N.: *See*—
Dakin, Thomas W., Works, and Boggs.

Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Well head sealing arrangement. 2,582,518, Jan. 15.

Worldsbest Industries, Inc., assignee: *See*—
Bothe, Werner H.
Bothe, Werner H., and Miller.
Garner, Abel E., and Getschman.

Worley, William S.: *See*—
Kessler, David L., and Worley.

Worlidge, Ronald F., London, England. Power-driven fluid pump. 2,605,707, Aug. 5.

Worm, Erwin A., Jr., and A. G. Raymond, Macon, Ga., assignors to Armstrong Cork Company, Lancaster, Pa. Feeding device for wood grinders. 2,588,448, Mar. 11.

Wormuth, Wilbur J., Schenectady, N. Y., assignor to General Electric Company. Elastic hydrocarbon-substituted polysiloxanes and ammonium carbonate as catalyst. 2,596,085, May 6.

Worn, George A., Greenwich, Conn., assignor to The Lummus Company, New York, N. Y. Gas ejector apparatus for a catalyst regenerator. 2,620,967, Dec. 9.

Wornstaff, Archie L., assignor of twenty-four per cent to J. R. Wornstaff, Portland, Oreg. Wallpaper holder. 2,594,835, Apr. 29.

Wornstaff, James R., assignee: *See*—
Wornstaff, Archie L.

Woroneski, Joseph, Croydon, Pa. Rag rug making device. 2,609,676, Sept. 9.

Worrel, Richard M.: *See*—
Crowe, Louis, and Worrel.

Worrel, Richard N., U. S. N., Fresno, Calif. Rotor control mechanism for rotary wing aircraft. 2,604,174, July 22.

Worsdell, Loren E., Vermont, Ill., assignor to Harry Ferguson, Inc., Detroit, Mich. Hay loader. 2,585,891, Feb. 12.

Worsham, John H.: *See*—
Taylor, William J., Worsham, and Davis.

Worst, Joseph C., and C. S. Dayton, Bridgeport, Conn., assignors to General Electric Company. Drive unit for domestic ironing machines or the like. 2,599,308, June 3.

Worster, Arthur R., Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Fluid actuated regulator. 2,602,429, July 8.

Wortelmann, Gustav A., Chicago, Ill. Toggle-actuated slidable jaw wrench. 2,587,263, Feb. 26.

Wortendyke, Raymond D.: *See*—
Adams, Robert R., and Wortendyke.

Wortendyke, Raymond D., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pumping mechanism. 2,622,537, Dec. 23.

Worth, Francis C., Ridgewood, N. Y. Device for making tubes from sheet material. 2,610,556, Sept. 16.

Worth, Harry J., and W. H. Page, Rodeo, and J. F. Cook, Long Beach, assignors to Union Oil Compnay of California, Los Angeles, Calif. Lubricating compositions and preparation. 2,595,556, May 6.

Worth, Harry J., Rodeo, W. H. Page, Walnut Creek, and J. F. Cook, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,595,557, May 6.

Worth, Jeanie H., assignee: *See*—
Worth, Winfield A., Jr.

Worth, Thomas F., Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine end shield and bearing housing. 2,597,694, May 20.

Worth, Winfield A., Jr., assignor of one-half to Jeanie H. Worth, Hyattsville, Md. Art-style fastener for pin-up drawings. 2,583,129, Jan. 22.

Worthen, Eugene P., Braintree, and B. Fox, Wollaston, Mass., assignors to Bethlehem Steel Company. Low-pressure steam generating system. 2,584,651, Feb. 5.

Worthen, Eugene P., Braintree, and F. S. Barbour, Wollaston, Mass., assignors to Bethlehem Steel Company. Low-pressure flash evaporator. 2,613,177, Oct. 7.

Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Gauging apparatus. 2,615,254, Oct. 28.

Worthen, William L., assignor to Melpar, Inc., Washington, D. C. Automatic selector mechanism. 2,603,329, July 15.

Worthington Corporation, assignee: *See*—
Henderson, Robert M.
Shaw, Robert M.
Steven, George, and Fruehauf.
Wright, Elliott F., and Rockwood.

Worthington Pump and Machinery Corporation, assignee: *See*—
Barnaby, James C.
Church, William H.
Church, William H., and Haeberlein.
Haeberlein, Max.
Holveck, Joseph E., and Rockwood.
McBride, Edward J.
Meeker, Herbert J.
Nast, Paul H.
Platts, Howard H.
Snyder, Robert A.

Worthington, Wayne H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Dual check valve assembly for hydraulic control systems. 2,612,375, Sept. 30.

Wosika, Leon R., assignor to Solar Aircraft Company, San Diego, Calif. Thrust balance structure for rotary gas engines. 2,605,611, Aug. 5.

Wottring, Lee R., Altadena, Calif. Lens control mount for stereoscopic projectors. 2,580,874, Jan. 1.

Wouters, Louis F., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Photomultiplier tube circuit. 2,594,703, Apr. 29.

Wouters, Louis F., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Coincidence circuit. 2,617,042, Nov. 4.

Woydt, Edward, Stuttgart, Germany. Gearing for power transmissions. 2,618,988, Nov. 25.

Woynar, Basil, Chicago, Ill., assignor to Combustion Engineering - Superheater, Inc. Steam generator. 2,597,423, May 20.

Woynar, Basil, Chicago, Ill., assignor to Combustion Engineering - Superheater, Inc. Steam generator. 2,599,735, June 10.

Wosnuk, Edward A., and R. J. Brett, Cleveland, Ohio. Mold for pressure forming of compositions. 2,584,776, Feb. 5.

Wraith, James W., Columbus, Ohio. Paint bucket holding device. 2,598,479, May 27.

Wrap-King Corporation, assignee: *See*—
Ouellette, Clarence.

Wray (Cameras) Limited, assignee: *See*—
Studdert, Maurice E. P.

Wray, Robert I., New Kensington, and W. B. Roberts, Mount Lebanon, assignors to Aluminum Company of America, Pittsburgh, Pa. Water emulsifiable metallic paste pigments. 2,587,266, Feb. 26.

Wray, Robert I., New Kensington, and W. B. Roberts, Mount Lebanon, assignors to Aluminum Company of America, Pittsburgh, Pa. Water-emulsifiable metallic paste pigments. 2,587,267, Feb. 26.

Wray, William E., Reidsville, N. C., assignor to The American Tobacco Company, New York, N. Y. Adhesive applying apparatus for cigarette making machines. 2,606,521, Aug. 12.

Wread, William E., Los Angeles, Calif. Erecting concrete structures. 2,612,675, Oct. 7.

Wren, John T., Charleston, S. C. Railway surfacing, tie spacing, and tamping machine. 2,586,282, Feb. 19.

Wrenn, Carl W.: *See*—
Ray, Charles S., and Wrenn.

Wright, Anna R., executrix: *See*—
Wright, Arthur.

Wright, Arthur, Forest Hills, N. Y. Stereoscopic television. 2,621,247, Dec. 9.

Wright, Arthur, assignor to Wright Engineering Company, Mountain Lakes, N. J. Radiographic equipment. 2,614,224, Oct. 14.

Wright, Arthur, deceased, Upper Montclair, N. J.; A. R. Wright, executrix. Continuous rotary filter. 2,615,575, Oct. 28.

Wright, Arthur E., assignee: *See*—
De Swart, Jan.

Wright, Beaumont B., assignee: *See*—
Edwards, James M.

Wright, Bryan: *See*—
Witherell, Robert R., and Wright.

Wright, Charles R., McFaddin, Tex. Automatic choke control. 2,601,654, June 24.

Wright, Claude G., assignee: *See*—
Henne, Julius A.

Wright, Clyde E.: *See*—
Ingwer, Carl H., and Wright.

Wright, Edward F., Jr., Kingston, Tenn. Sensitive pulse amplifier counter. 2,609,511, Sept. 2.

Wright, Edward N. and R. S., Northampton, Mass. Electric outlet molding with movable outlet. 2,617,849, Nov. 11.

Wright, Elliott F., Summit, and A. G. Rockwood, Nutley, N. J., assignors to Worthington Corporation. Reciprocating pump. 2,609,756, Sept. 9.

Wright, Elvin S., Shrewsbury, Mass. Apparatus for severing and bursting a continuous multiform. 2,600,041, June 10.

Wright, Elvin S., Shrewsbury, Mass. Apparatus for bursting a continuous multiform set of sheets. 2,600,042, June 10.

Wright Engineering Company, assignee: *See*—
Wright, Arthur.

Wright, Esmond P. G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Voice frequency signaling system. 2,623,951, Dec. 30.

Wright, Esmond P. G., London, England, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Multipulse voice-frequency code signaling circuit. 2,581,462, Jan. 8.

Wright, Esmond P. G., and W. J. Reynolds, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Alternating current telephone signaling system. 2,593,512, Apr. 22.

Wright, Evan H., Birmingham, Mich. Insect destroyer. 2,608,022, Aug. 26.

Wright, Forrest B., Ithaca, assignor, by mesne assignments, to Research Corporation, New York, N. Y. Egg drier. 2,588,787, Mar. 11.

Wright, Fred J., Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Hydraulic valve and post. 2,607,558, Aug. 19.

Wright, Fred J., Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Hydraulic system, including a cooling circuit for the pumps thereof. 2,621,479, Dec. 16.

Wright, George J., Berkeley, and R. J. Wright, Albany, assignors, by mesne assignments, to Fritter-Chef Corporation, Berkeley, Calif. Coating and cooking frankfurters. 2,585,364, Feb. 12.

Wright, Harold E., Jr., assignor to Weltronic Company, Detroit, Mich. Dielectric heating apparatus. 2,596,636, May 13.

Wright, Harold J., assignor to Clipper Manufacturing Company, Kansas City, Mo. Combination connecting and stabilizing bar for masonry saws. 2,581,777, Jan. 8.

Wright, Harold R., West Kilbride, and R. W. Martyn, Fairlie, Scotland, assignors to Imperial Chemical Industries Limited. Explosive booster. 2,583,802, Jan. 29.

Wright, Hazel H., assignee: *See*—
Brandon, Clarence W.

Wright, Henry N., Rye, N. Y. Vertical blind. 2,604,159, July 22.

Wright, Howard J.: *See*—
Du Puis, Robert N., and Wright.

Wright, Howard J., Evanston, and A. B. Cramer, Chicago, Ill., assignors to The Association of American Soap & Glycerine Producers, Inc., New York, N. Y. Preparation of glyceryl amines. 2,618,659, Nov. 18.

Wright, Howard N., Jr.: *See*—
Hagemeyer, Hugh J., Jr., and Wright.

Wright, Ira E., Norfolk, Va. Guard for electric lamps. 2,602,882, July 8.

Wright, John A., Huntsville, Ala. Fish tape puller. 2,606,466, Aug. 12.

Wright, John G. J. M. Chafin, E. Sudan, C. A. Watkins, Atlanta, and J. A. Hanson, College Park, Ga., assignors to The Auto-Soler Company. Work positioning guide. 2,602,926, July 15.

Wright, John W., Bridgeport, Conn. Power-operated saw having oppositely reciprocating saw blades. 2598,480, May 27.

Wright, Lluellynn A.: *See*—
Martin, Lawrence A., Miller, and Wright.

Wright Machinery Company, assignee: *See*—
Rappaport, Sigmund and Petrea.
Semith, Haywood C., and Petrea.
Tracy, Glen M.

Wright, Patrick W.: *See*—
Taylor, Leonard F., and Wright.

Wright, Paul L.: *See*—
Niedernu, William E., Ritchie, and Wright.

Wright, Ralph J.: *See*—
Wright, George J., and R. J.

Wright, Richard C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Gas burner. 2,609,866, Sept. 9.

Wright, Richard C., Bay Village, assignor to Iron Fireman Manufacturing Company, Cleveland, Ohio. Gas burner. 2,612,943, Oct. 7.

Wright, Richard H., Bratenahl, and A. Zay, assignors to Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind rail connector. 2,598,152, May 27.

Wright, Richard S.: *See*—
Wright, Edward N. and R. S.

Wright, Robert L., North Linthicum Heights, and M. E. Hayes, Anne Arundel County, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Therapy X-ray system. 2,611,096, Sept. 16.

Wright, Seymour H.: *See*—
Hamerly, Hugo A., and Wright.

Wright, Smith C., Bandera, Tex. Trough or tank water level valve. 2,580,637, Jan. 1.

Wright, Stephen A., and L. E. Beadles, Canton, Ill. Heater. 2,597,215, May 20.

Wright, Thomas, Co., Inc., The, assignee: *See*—
Bruno, Samuel J.

Wright, Thomas E.: *See*—
Merkel, Charles M., and Wright.

Wright Tool and Forge Company, assignee: *See*—
Vaughan, Melvin F.

Wright, Walter F., Onawa, Iowa. Vehicle ramp. 2,587,265, Feb. 26.

Wright, Willard L., and E. O. Mueller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Building commutators. 2,618,844, Nov. 25.

Wright, William C., Hickory, N. C. Top roll. 2,595,041, Apr. 29.

Wrightsman, Gilbert G., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Consolidating or plugging sands. 2,595,184, Apr. 29.

Wrightsman, Gilbert G., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Consolidating and plugging formations. 2,604,172, July 22.

Wrightson, John M., North Bergen, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,583,620, Jan. 29.

Wrightson, John M., North Bergen, assignor to The M. W. Kellogg Company, Jersey City, N. J. Polymerizing trifluorochloroethylene. 2,600,821, June 17.

Wrigley, Arthur N., and E. Yanovsky, Philadelphia, and P. L. Nichols, Jr., Oreland, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polymerization of allylic ethers. 2,623,864, Dec. 30.

Wrigley, Walter, East Hempstead, N. Y., assignor to The Sperry Corporation. Gyroscopic artificial horizon. 2,603,094, July 15.

Wrigley, Walter, Wollaston, Mass., assignor to The Sperry Corporation. True rate of turn instruments. 2,602,239, July 8.

Wrisley, Allen B., Company, assignee: *See*—
Balla, John, Jr.

Wrobel, Henry T., Lynn, and H. A. Bakke, Swampscott, Mass., assignors to General Electric Company. Magnetic suspension. 2,585,714, Feb. 12.

Wrockloff, Palmer: *See*—
Gardner, Adryl W., and Wrockloff.

Wrolson, Jerome, assignee: *See*—
Wrolson, Woodrow F., and Overdick.

Wrolson, Woodrow F., Minneapolis, and H. Overdick, Hopkins, said Overdick assignor to J. Wrolson, Crookston, Minn. Ohm measuring instrument. 2,583,130, Jan. 22.

Wuebben, Mary C.: *See*—
Staehlin, Ralph H., and Wuebben.

Wuensch, Charles E., Saratoga, Calif., by decree of distribution to E. L. Wuensch. Density responsive indicating and control device. 2,596,352, May 13.

Wuensch, Eunice L.: *See*—
Wuensch, Charles E.

Wuensch, Guido, Berlin, Germany. Screw and nut mechanism. 2,590,745, Mar 25.

Wuergler, Jakob: *See*—
Schmid, Max, Danuser, Johner, Moser, and Wuergler.

Wuertz, Paul P., Melrose, assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Ball tensioning mechanism. 2,608,930, Sept. 2.

Wuertz, Paul P., Melrose, assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Side tensioner for bales. 2,610,575, Sept. 16.

Wuest, Heinz M., assignee: *See*—
Hockett, Robert C.

Wueste, Gus D., San Antonio, Tex. Gate operator. 2,593,379, Apr. 15.

Wuesthoff, Maximilian W., Los Angeles, Calif. Screw controlled ball cock for tanks. 2,582,616, Jan. 15.

Wuetig, Fred H., Chicago, Ill. Automatic variable-speed transmission. 2,599,216, June 3.

Wuischpard, Lucien C., Long Hill, assignor to Casco Products Corporation, Bridgeport, Conn. Cyclometer clock alarm. 2,611,232, Sept. 23.

Wulf, Charles A., assignor to Ceramic Process Co., Indianapolis, Ind. Mechanism for coating interior of hollow articles. 2,609,788, Sept. 9.

Wulff, Lee, Shushan, N. Y. Forming fishing lures, flies, nymphs, and the product. 2,596,457, May 13.

Wulff Process Company, assignee: *See*—
Harris, Ford W.

Wulff, Roy A.: *See*—
Ashton, Benjamin N., Holland, and Wulff.

Wulkan, Ernest, Partille, Sweden. Modified starch process. 2,581,741, Jan. 8.

Wulleman, Albert, assignor to Etablissements Paul Duclos, Le Canet-Marseille, France. Hydraulic compensating and balancing device for reciprocal hydraulic remote-control circuits. 2,604,757, July 29.

Wullschleger, August, Olten, Switzerland. Load lifting arrangement. 2,589,915, Mar. 18.

Wummel, Clarence H., and E. V. Dubowski, Chicago, Ill., said Dubowski assignor to said Wummel. Door hinge check. 2,586,757, Feb. 19.

Wunderlich, Albert G., and J. Bonato, Telluride, Colo. Adjustable throw eccentric. 2,594,836, Apr. 29.

Wunderlich, Frederick J., St. Clair Shores, Mich. Fish scaler with scale guard. 2,618,011, Nov. 18.

Wunderlich, Johann F., and O. Brandenburg, assignors to Firma Triumph-Werke Nurnberg A. G., Nurnberg, Germany. Type bar mechanism for typewriters with segment shift device. 2,582,369, Jan. 15.

Wunderlich, John H., Lebanon, Pa. Support and shackle for fowl. 2,584,377, Feb. 5.

Wunderlich Spring Machinery Company, assignee: *See*—
Wunderlich, William E.

Wunderlich, William E., Muncie, Ind., assignor to Burton-Dixie Corporation, Chicago, Ill. Double nose coil spring. 2,593,953, Apr. 22.

Wunderlich, William E., Muncie, Ind., assignor to Wunderlich Spring Machinery Company. Coil spring producing machine. 2,604,202, July 22.

Wunderly, Harry L., Cuyahoga Falls, Ohio. Animal form attachment for bicycles. 2,599,309, June 3.

Wunschel, Kenneth R.: *See*—
Makant, Joseph E., Smithson, and Wunschel.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Fuller, Paul M.
Hayslett, Lamar E.
Osborne, Fred H.
Osborne, Fred H., and Riggs.
Schmidt, Francis M.
Sloan, Edward C.
Zuck, Victor I.

Wurth, Walter A., Cranford, H. Z. Martin, and C. E. Jahnig, Roselle, N. J., assignors to Standard Oil Development Company. Method and apparatus for regenerating a fluidized catalyst. 2,619,473, Nov. 25.

Wurton Machine Company, assignee: *See*—
Touton, Rush D.

Wurzbach, Hugh E., Magna, Utah. Control system. 2,584,076, Jan. 29.

Wurzburger, Paul D., Cleveland Heights, Ohio. Making wrought fittings. 2,603,175, July 15.

Wüsteney, Herbert, Kladow, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Teleprinter receiver device. 2,610,247, Sept. 9.

Wüster, Heinrich, Imst, Tirol, Austria. Connector for telescoping tubular stick members. 2,620,210, Dec. 2.

Wüster, Heinrich, Vienna, Austria. Means to facilitate the opening of umbrellas of reducible length. 2,621,670, Dec. 16.

Wyandotte Chemicals Corporation, assignee: *See*—
Bacon, Leslie R., Smith, and Vaughn.
Conklin, Dwight B.
Cox, Robert B.
Jacobs, Edward C., and Lundsted.
Liger, Andrew W.
Lundsted, Lester G.
Schubring, Arthur C., and Jillson.

Wyatt, De Witt H., Columbus, Ohio. Coal-burning cooking range. 2,594,109, Apr. 22.

Wyatt, Edwin F., Raleigh, N. C. Garment hanger. 2,596,001, May 6.

Wyatt, Ella M., executrix: *See*—
Wyatt, James R.

Wyatt, James R., deceased, Havertown, Pa.; E. M. Wyatt, executrix. Phosphorizing apparatus flow gauge. 2,612,045, Sept. 30.

Wyche, Christine A.: *See*—
Wyche, Joseph M. and C. A.

Wyche, Joseph M. and C. A., Dayton, Ohio. Manually propelled vehicle. 2,600,950, June 17.

Wyckoff, Max J., Pittsburgh, Pa. Dishwasher pressure spray. 2,602,698, July 8.

Wyckoff, Paul W., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Gas turbine fuel regulator with manual and temperature responsive means to select fuel-air ratio. 2,599,507, June 3.

Wyckoff, Ralph D., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Aerodynamic surface for dirigible bombs. 2,584,826, Feb. 5.

Wycoff, Thomas R., Columbus, Ohio. Sink molding. 2,600,599, June 17.

Wyeth Incorporated, assignee: *See*—
Abell, Liese L., Bruce, and Seifter.
Alburn, Harvey E.
Bernhart, Finn W., and Hassinen.
Bruce, William F.
Bruce, William F., Szabo, and Tubis.
Bruce, William F., and Webers.
Pratt, William J., Seibert, and Stribley.
Pratt, William J., and Tinkler.
Rosen, Harry, and Ichniowski.

Wyeth, Nathaniel, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Shock absorber. 2,588,682, Mar. 11.

Wyeth, Nathaniel, assignor to Ford Motor Company, Dearborn, Mich. Shock absorber. 2,604,193, July 22.

Wykman, Torsten G. A.: *See*—
Dalin, David, Hagby, and Wykman.

Wylam, Lawrence L., Welch, W. Va. Machine for mining and loading coal. 2,583,458, Jan. 22.

Wylde, Emilie, Dover, Mass. Disposable enema appliance. 2,619,086, Nov. 25.

Wyles, Edwin C. H., Beeston, assignor to Boots Pure Drug Company Limited, Nottingham, England. Sheet pack holder. 2,583,459, Jan. 22.

Wylie, Donald L.: *See*—
Jett, Carl O., and Wylie.

Wylie, Donald L., Portland, Oreg. Electronic differential relay systems. 2,601,354, June 24.

Wylie, Hamilton N., Richmond, assignor to Dunlop Rim & Wheel Co. Ltd., London, England. Windshield wiper having a curved spring wiper arm. 2,613,385, Oct. 14.

Wylie, Harold B., Woodstock, Conn., assignor to Swank, Inc. Cuff button. 2,597,216, May 20.

Wylie, Roger, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distillation of light hydrocarbons. 2,601,077, June 17.

Wyllie, Malcolm R. J.: *See*—
Patnode, Homer W., and Wyllie.

Wyllie, Malcolm R. J., Indiana Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Nonpolarizing electrode for electric logging of boreholes. 2,595,042, Apr. 29.

Wyllie, Malcolm R. J., Indiana Township, Allegheny County, and G. A. Hogg, Kuwait, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Determining a parameter of earth formations penetrated by a borehole. 2,583,284, Jan. 22.

Wyman, Bryce W., Havertown, Pa., assignor to General Electric Company. Circuit restorer. 2,612,574, Sept. 30.

Wyman, Burton A.: *See*—
Winkler, Frederic C., and Wyman.

Wyman, Edwin T., Brookline, Mass. Valve structure for pneumatic tires having dual tubes. 2,608,235, Aug. 26.

Wyman, Glenn C.: *See*—
Welden, William A., and Wyman.

Wyman, Glenn C., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Cover locking means for pressure cookers. 2,614,721, Oct. 21.

Wyman, Glenn C., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker with automatic vent. 2,614,722, Oct. 21.

Wyman, Glenn C., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker with selectively adjustable vent valve. 2,614,724, Oct. 21.

Wyman-Gordon Company, assignee: *See*—
Stair, Millington E.

Wyman, Howard A., Framingham, Mass., assignor to General Electric Company. Expanded scale timer. 2,620,872, Dec. 9.

Wyman, Wallace F., deceased, Salt Lake City, Utah; by W. J. Wyman, administrator, Waseca, Minn., and A. E. Back, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Interior. Promotion of dithionate ion formation in leaching oxidic manganese ores with sulfur dioxide solutions. 2,600,456, June 17.

Wyman, Wallace J., administrator: *See*—
Wyman, Wallace F., and Back.

Wyndham, Charles A., Bellingham, Wash. Rotary hydraulic coupling. 2,586,136, Feb. 19.

Wyner, Justin L., Brookline, assignor to The Vanta Company Inc., Newton, Mass. Body garment having girth adjusting fastener means. 2,589,916, Mar. 18.

Wynn, Arthur H. A., assignor to A. C. Cossor Limited, London, England. Radio receiver circuits. 2,597,142, May 20.

Wynn, Harold S., executor: *See*—
Tappan, Dewitt.

Wynn, Herman D., Knoxville, Tenn. Handle for football dummies. 2,586,283, Feb. 19.

Wynn, Robert W.: *See*—
Wilkinson, Joseph M., Pedlow, and Wynn.

Wynne, Charles H. L.: *See*—
Chamberlain, Reginald H. D., Wynne, and Skellern.

Wynne, Charles H. L., assignor to D. Napier & Son Limited, London, England. Supply of fuel to gas turbine engines. 2,604,149, July 22.

Wynne, Charles H. L., and R. H. D. Chamberlin, assignors to D. Napier & Son Limited, London, England. Apparatus for governing the supply of fuel to spill burner type fuel supply systems for jet engines. 2,619,163, Nov. 25.

Wynne, Dominic J., Baltimore, Md., assignor to Essex Research Corporation, Wilmington, Del. Desulfurizing process. 2,587,573, Feb. 26.

Wynne, Ira H.: *See*—
Manegold, Robert L., and Wynne.

Wynne, Wade H., Jr., Atlanta, Ga. Protective covering. 2,599,083, June 3.

Wynne, Walter W., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw thread upsetting tool. 2,582,519, Jan. 15.

Wynstra, John, Bloomfield, N. J., assignor to Union Carbide and Carbon Corporation. Copolymers of fatty oil modified polyesters and vinyl monomers. 2,600,457, June 17.

Wyrfel, Samuel P., West Hartford, assignor to The Bush Manufacturing Company, Hartford, Conn. Tube bending apparatus. 2,583,404, Jan. 22.

Wyse, Harold G., Dayton, Ohio. Tobacco pipe. 2,593,380, Apr. 15.

Wysong & Miles Co., assignee: *See*—
Welsner, Ralph H.

Wyss, Alphons, Bottmingen, near Basel, Switzerland. Single mold machine for the manufacture of hollow glass articles. 2,584,524, Feb. 5.

Wyss, Alphonse, Bottmingen, near Basel, Switzerland. Guide roller device for protective caps for the outlet openings of glass-melting furnaces. 2,594,837, Apr. 29.

Wyss, Frederic D.: *See*—
Baldwin, John D., Jr., and Wyss.

Wyss, Oswald F., Zurich, Switzerland, and H. Peter, Strasbourg, France, said Peter assignor to said Wyss. Apparatus for impregnating pourable material such as chips, shavings, and fibrous material. 2,601,355, June 24.

Wyssling, Arnold, deceased; by L. Wyssling-Meier, administratrix, Basel, Switzerland. Stirring dyeing baths. 2,604,773, July 29.

Wyssling-Meier, Lina, administratrix: *See*—
Wyssling, Arnold.

Wystrach, Vernon P., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of aromatic nitriles. 2,584,409, Feb. 5.

Wyzenbeek, Andrew, Chicago, Ill. Flexible shaft handpiece coupling. 2,618,940, Nov. 25.

Xander, Paul A., Nescopeck, assignor to Wise Potato Chip Company, Berwick, Pa. Controlling color and flavor in potato chips. 2,589,591, Mar. 18.

Xenis, Constantine P.: *See*—
Bauman, Harold A., and Xenis.

Xeros, Peter J., Dallas, Tex. Hat construction. 2,616,090, Nov. 4.

X-Ray Electronic Corporation, assignee: *See*—
Fun, Frederic.

Y & S Mfg. Co., assignee: *See*—
Yost, Clarence.

Yackel, Edward C.: *See*—
Yutzy, Henry C., and Yackel.

Yackel, Edward C., assignor to Eastman Kodak Company, Rochester, N. Y. Gelatine silver halide emulsion layer containing a dihydroxy diphenyl tanning developing agent. 2,592,368, Apr. 8.

Yackel, Edward C., assignor to Eastman Kodak Company, Rochester, N. Y. Photomechanical copy method. 2,596,754, May 13.

Yackel, Edward C., and C. F. Amering, assignors to Eastman Kodak Company, Rochester, N. Y. Making a hydrolyzed cellulose ester printing plate. 2,607,683, Aug. 19.

Yackley, Edward G., N. L. Young, and E. H. Kunz, assignors to Ohmer Corporation, Dayton, Ohio. Cash register. 2,581,463, Jan. 8.

Yacoby, Paul E., Seal Beach, Calif. Garden tractor with interchangeable power tool. 2,614,473, Oct. 21.

Yaeger, Carl M., Fairview Village, Ohio, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Annealing furnace. 2,585,892, Feb. 12.

Yaeger, Luther L.: *See*—
Bjorksten, Johan and Yaeger.

Yaeger, Walter A., Norwalk, Ohio. Maintenance of serviceability of dry shavers. 2,584,077, Jan. 29.

Yaffe, Eli A., assignor to Acme Slide Fastener Co. Ltd., Montreal, Quebec, Canada. Applying slide fasteners. 2,623,214, Dec. 30.

Yaffe, Jerome: *See*—
Cassil, Carroll C., and Yaffe.

Yakubik, Michael A., Hudson, assignor to Wingfoot Corporation, Akron, Ohio. Floor cutting heater and method. 2,622,680, Dec. 23.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Feldmann, Henry J.
Framhein, Herbert J.
Kompass, Frank O.
Quayle, George F.
Schott, Howard H.
Schroeder, Charles S.
Vossenberg, Frank A.

Yamada, Masanori, St. Thomas, Ontario, Canada. Slipper having wings integral with sole. 2,611,977, Sept. 30.

Yamakawa, Kazuo A.: *See*—
Montgomery, Donald J., and Yamakawa.

Yampol, Harry N.: *See*—
Zembrosky, Abraham L., Yampol, and H. N.

Yampol, Joseph: *See*—
Zembrosky, Abraham L., Yampol, and H. N.

Yanagihara, Thomas, Honolulu, Territory of Hawaii. Garment safety pin fastener. 2,592,506, Apr. 8.

Yancey, John R., and E. J. Robishaw, assignors, by mesne assignments, to A-1 Bit & Tool Company, Houston, Tex. Deflector cleansing device. 2,582,403, Jan. 15.

Yancey, Joseph L., Great Bend, Kans. Device for separating water from crude oil. 2,613,812, Oct. 14.

Yancofski, Genevieve A., assignor to A. H. Hubert, College Point, N. Y. Waterproof drain pad for children's cribs. 2,614,273, Oct. 21.

Yanik, John, Detroit, Mich. Honeycomb. 2,591,328, Apr. 1.

Yanikoski, Florian F., Chicago Heights, Ill. Gas analysis apparatus. 2,586,899, Feb. 26.

Yanovsky, Elias: *See*—
Wrigley, Arthur N., Yanovsky, and Nichols.
Zief, Morris, and Yanovsky.

Yant, William P.: *See*—
Haller, Robert B., and Yant.
Strange, John P., and Yant.

Yanus, Bronislow J., Jamaica Plains, Mass. Hypodermic needle. 2,601,580, June 24.

Yaplee, Harry S.: *See*—
Standing, Marshall B., Yaplee, and Macaulay.

Yarber, Clifford J., Holyoke, Mass., assignor to A. M. Meincke & Son, Inc. Cold swelling starch process. 2,590,912, Apr. 1.

Yard, Edward M.: *See*—
Cole, Robert J., and Yard.

Yardeny, Michel N., now by judicial change of name M. N. Yardney, assignor to Yardney International Corp., New York, N. Y. Rechargeable battery. 2,601,133, June 17.

Yardeny, Michel N., now by judicial change of name Michel N. Yardney, assignor to Yardney International Corp., New York, N. Y. Rechargeable battery. 2,610,219, Sept. 9.

Yardley, Frederick W.: *See*—
Gardner, Bryant H., and Yardley.

Yardley Plastics Company, The, assignee: *See*—
Weber, Donald J.

Yardney International Corp., assignee: *See*—
André, Henri.
André, Henri G.
Yardeny, Michel N.

Yardney, Michel N.: *See*—
Yardeny, Michel N.

Yarmak, Julius: *See*—
Pearson, David, and Yarmak.

Yarnall, D. Robert, executor: *See*—
Stokes, John S.

Yarnall, David R., Philadelphia, and J. W. Williams 3rd, Ambler, assignors to Yarnall-Waring Company, Philadelphia, Pa. Recording and including resonant vibratory aspects. 2,600,822, June 17.

Yarnall-Waring Company, assignee: *See*—
Kinderman, Walter J.
Kinderman, Walter J., and Williams.
McKee, John F.
Miller, Frank W.
Yarnall, David R., and Williams.

Yates-American Machine Company, assignee: *See*—
Dudek, Gustave C.

Yates, Bernie A., Herington, Kans. Chime whistle. 2,601,842, July 1.

Yates, Harry A., Bridgeport, Conn. Air gun. 2,604,361, July 22.

Yates, Henry G.: *See*—
Brown, Thomas W. F., and Yates.

Yates, James G., Cambridge, England. Electrical measurement of physical effects, for example mechanical strains. 2,611,811, Sept. 23.

Yates, John T., and I. N. Vaughan-Jones, Hollinwood, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Pulse-signal translating arrangement. 2,597,833, May 20.

Yates, William F., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of xylene. 2,585,525, Feb. 12.

Yavitch, Jacob, Glenolden, Pa., assignor to Radio Corporation of America. Frequency band and channel selecting mechanism. 2,623,394, Dec. 30.

Yavner, Sylvan, Norfolk, Va. Ratchet wrench. 2,592,781, Apr. 15.

Yeager, Garland A.: *See*—
Yeager, James O. and G. A.

Yeager, James O. and G. A., McGregor, Tex. Stalk cutter. 2,592,991, Apr. 15.

Yeardley, Robert L., New Lexington, Ohio. Clip. 2,614,305, Oct. 21.

Yearsley, John W., Haddonfield, N. J., assignor to Radio Corporation of America. Interference reducing system. 2,606,286, Aug. 5.

Yeasting, Maynard C.: *See*—
Marshall, Charles O., Jr., and Yeasting.

Yeasting, Maynard C., Elmore, assignor to Toledo Scale Company, Toledo, Ohio. Motor operated weighing scale. 2,622,868, Dec. 23.

Yeelland, William E. C., Washington, D. C., assignor to Lauhoff Grain Company, Danville, Ill. Oxidized starch and preparing the same. 2,606,188, Aug. 5.

Yefko, Edward: *See*—
Lamb, Frank L., and Yefko.

Yeggy, Wilfred N., Solon, Iowa. Tractor guide tire. 2,612,929, Oct. 7.

Yehling, George C., Jr.: *See*—
Wicker, Dan B., Yehling, and Moody.

Yeida, John O., Herculaneum, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Stoker control. 2,593,644, Apr. 22.

Yelland, William E. C.: *See*—
Darling, Elton R., and Yelland.

Yellin, Edward, assignor by mesne assignments, to Leader Electric Company, Chicago, Ill. Fluorescent light screen, 2,607,455, Aug. 19.

Yellin, Morris, assignor to Bernard Edward Co., Chicago, Ill. Plastic bird cage. 2,611,338, Sept. 23.

Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Coal fired combustion chamber with regenerator tubes on either side within the turbine exhaust duct. 2,583,920, Jan. 29.

Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Multiple element vortical whirl ash separator. 2,583,921, Jan. 29.

Yelton, James L., Bellingham, Wash. Sky line logging carriage. 2,589,315, Mar. 18.

Yendall, Edward F.: *See*—
Rice, Philip K., and Yendall.

Yendall, Edward F., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Process and apparatus for eliminating impurities during the separation of gas mixtures. 2,615,312, Oct. 28.

Yeoman, Frederick A., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Castor oil-unsaturated dicarboxylic acid copolymer resins. 2,590,668, Mar. 25.

Yeoman, Ray C., assignor to Texas Foundries, Inc., Lufkin, Tex. Load transfer device. 2,605,680, Aug. 5.

Yeomans, Clifton, Washington, D. C. Combined radial and axial flow multistage turbine. 2,592,227, Apr. 8.

Yerger, Charles W., assignee: *See*—
Simpson, Herbert A.

Yerger, Paul A., Bloomsbury, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Compressor system. 2,589,006, Mar. 11.

Yerkes, John A., New York, N. Y. Cabinet record holder. 2,587,269, Feb. 26.

Yerkes, John A., New York, N. Y. Enclosed game with rollable game piece. 2,601,985, July 1.

Yerrick, William D., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Corrosion control in two-pass regenerative heater. 2,607,564, Aug. 19.

Yettaw, Loyde E., Maywood, Ill. Atomizer. 2,599,422, June 3.

Yetter, Edward W.: *See*—
Beggs, George E., Jr., and Yetter.

Yetter, Edward W., assignor to Sun Oil Company, Philadelphia, Pa. Circuit having high input impedance and linear response. 2,601,485, June 24.

Yewdall, George E.: *See*—
Lawrence, Howard C., and Yewdall.

Yewell, Paul R., Tucson, Ariz. Mineral separating apparatus. 2,600,600, June 17.

Yinger, Dora, assignee: *See*—
Yinger, John E.

Yinger, John E., assignor of fifty percent to D. Yinger, Frederick, Md. Screw-operated vise having displaceable half nut for quick adjustment. 2,602,359, July 8.

Yirava, Charles R., deceased, assignor of fifty per cent to E. Donaldson, Cleveland, Ohio: M. Yirava, administratrix. Tensioning device for a film reel shaft. 2,600 601, June 17.

Yirava, Martha, administratrix: *See*—
Yirava, Charles R.

Yoakum, Ina, assignee: *See*—
Van Leuven, Karl, Jr.

Yocom, Alvin M., Detroit, Mich., and G. D'Ollier, Devon, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Cork containing composite sheet material. 2,584,959, Feb. 5.

Yocom, Wayne A., assignee: *See*—
Johansen, Gordon W., and Copley.

Yoder, Clarence B., Indianapolis, Ind. Hose end holder. 2,611,568, Sept. 23.

Yoder Co., The, assignee: *See*—
Weyant, Valone V.

Yoder, Joe, Erieside, Ohio, assignor to General Electric Company. Sealing and terminating tubular devices. 2,583,525, Jan. 22.

Yoder, Richard J., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluid distributor for vessels. 2,611,685, Sept. 23.

Yoder, William C., and C. A. Garis, Bangor, Pa. Load weight indicator. 2,586,137, Feb. 19.

Yohn, Jackson S., Pottstown, Pa. Flexible steering wheel mounting. 2,580,986, Jan. 1.

Yohpe, Reinhard A., assignor to Union Steam Pump, Battle Creek, Mich. Washing and cooling means for the plungers of high-pressure hemogenizer pumps and the like. 2,591,902, Apr. 8.

Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Packed valve. 2,621,017, Dec. 9.

Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Company, Chicago, Ill. Protective system. 2,600,149, June 10.

Yonkers, Edward H., Glencoe, assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Open type luminaire with easily removable reflector. 2,612,600, Sept. 30.

Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,587,565, Feb. 26.

Yonkers, William A., Mountain Lakes, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Signal generator. 2,595,623, May 6.

Yorburg, David M., Durham, Conn. Material-selecting reel. 2,612,324, Sept. 30.

York Corporation, assignee: *See*—
Andrews, John M.
Hopkins, Neil E.
Moore, Paul B.

York, Ernest E., Portland, Maine, assignor to American Coin Changer Corp., Boston, Mass. Coin refill mechanism. 2,618,280, Nov. 18.

York, Raymond A.: *See*—
Tricebock, Donald J., and York.

York, William C., Alexandria, Va. Apparatus for imprinting designs on building boards. 2,604,038, July 22.

Yosemite Chemical Co., assignee: *See*—
Smith, Noble C.

Yoshii, Tadaichi, Honolulu, Hawaii. Two-piece fishing lure. 2,617,226, Nov. 11.

Yost, Charles R.: *See*—
Trimble, Esther K., and Yost.

Yost, Clarence, assignor to Y & S Mfg. Co., Hazelton, Pa. Spreading apparatus for flattening tubular fabric. 2,591,903, Apr. 8.

Yost, Clyde E., assignee: *See*—
Downs, Edgar S.

Yost, Lloyd, San Gabriel, Calif., assignor of one-half to A. O. Smith Corporation, Milwaukee, Wis., and one-half to California Research Corporation, San Francisco, Calif. Balanced turbodrill. 2 591 488, Apr. 1.

Yost, Robert S., Oreland, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Methylol derivatives of ureidopolyamines. 2,616,874, Nov. 4.

You, Ah F. L. A., Honolulu, Territory of Hawaii. Clasp. 2,581,825, Jan. 8.

Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Drive mechanism for extendible antennas. 2,590,484, Mar. 25.

Youkers, Harold A., Knox, Pa., assignor of one-half to H. C. Daubenspeck, Massillon, Ohio, and one-half to S. E. Winder, Washington, Pa. Synchronizer for machines, such as glass machines. 2,607,166, Aug. 19.

Youkers, Harold A., Knox, Pa., assignor of one-half to H. C. Daubenspeck, Massillon, Ohio, and one-half to S. E. Winder, Washington, Pa. Glassware spacing device. 2,612,256, Sept. 30.

Yould, Eric: *See*—
Allman, Edward J. and Yould.

Young, Arthur E., E. K. Stilbert, and R. H. Lalk, assignors to The Dow Chemical Company, Midland, Mich. Adhesive composition comprising a vinylidene chloride-acrylonitrile copolymer latex and a protein. 2,593,236, Apr. 15.

Young, Arthur M., Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Manufacturing a set of matched rotor blades. 2,589,316, Mar. 18.

Young, Arthur M., and B. Kelley, Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter engine-rotor support. 2,615,657, Oct. 28.

Young, Aubrey A., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preparation of liquid nitric esters. 2,602,733, July 8.

Young, Austin E.: *See*—
Cook, Curtiss L., and Young.

Young, Benjamin F., Philadelphia, Pa. Golf instruction device. 2,600,026, Aug. 5.

Young, Carl T., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Liquid fuel injector. 2,585,205, Feb. 12.

Young, Casanave, Milwaukee, assignor to E. R. Sternberg, Wauwatosa, Wis., executor of the Estate of Ernest M. Sternberg. Dual transmission control. 2,582,895, Jan. 15.

Young, Charles A., Gloucester, and H. E. Baker, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Mount transfer apparatus. 2,605,590, Aug. 5.

Young, Charles E., New London, Iowa. Electric farm gate. 2,582,666, Jan. 15.

Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Facsimile scanner. 2,581,616, Jan. 8.

Young, Charles M., Schenectady, N. Y., assignor to General Electric Company. Airplane maneuvering system. 2,582,305, Jan. 15.

Young, Charles M., Schenectady, N. Y., assignor to General Electric Company. Stabilization system in aircraft autopilot. 2,615,658, Oct. 28.

Young, Clarence H., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tube circuit. 2,580,875, Jan. 1.

Young, Clarence H., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifying system. 2,594,530, Apr. 29.

Young, Clarence P., Bellflower, Calif. Straight bore hydraulic knuckle. 2,609,226, Sept. 2.

Young, Clem J.: *See*—
Sussenbach, Paul, and Young.

Young, Cyril C., Kansas City, Mo. Horizontally fired gas-oil burner. 2,619,159, Nov. 25.

Young, Cyril C., Kansas City, Mo. Combination oil and gas burner. 2,621,716, Dec. 16.

Young, David W.: *See*—
Garber, John D., and Young.
Garber, John D., Young, and Sparks.
Lippincott, Samuel B., and Young.
Morway, Arnold J., and Young.
Morway, Arnold J., Young, and Cottle.
Schneider, Helmuth G., Young, and Goering.
Slotterbeck, Ober C., Smyers, and Young.
Smyers, William H., and Young.
Sparks, William J., and Young.

Young, David W., Roselle, W. J. Sparks, Westfield, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Preparing isoolefindiolefin copolymers of uniform average composition. 2,583,504, Jan. 22.

Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized organic compositions containing bis(hydroxy alkoxy phenyl) alkanes. 2,591,651, Apr. 1.

Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized paraffin wax compositions. 2,593,381, Apr. 15.

Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Polymerization of ethylene in presence of aluminum chloride-methyl chloride solution. 2,603,665, July 15.

Young, David W., Roselle, and S. G. Gallo, Elizabeth, N. J., assignors to Standard Oil Development Company. Nonfoaming oil composition containing polymeric silicone. 2,589,317, Mar. 18.

Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Paraffin wax-styrene isobutylene copolymer composition. 2,595,911, May 6.

Young, Don H., assignor to The McBee Company, Athens, Ohio. Device for sorting cards. 2,605,768, Aug. 5.

Young, Donald K., Rugby, England. Press for photographic dry mounting. 2,585,893, Feb. 12.

Young, Donald P., Sanderstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Hydroxylation of olefinic compounds. 2,613,223, Oct. 7.

Young, Donald R., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Receiver transmitter. 2,617,925, Nov. 11.

Young, Douglas, Inc., assignee: *See*—
Whitelaw, Hamilton.
Young, Lewis D.

Young, Douglass A., East Orange, L. J. Lunas, Cedar Grove, and B. E. Lenehan, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,594,110, Apr. 22.

Young, Edmond G.: *See*—
Benning, Anthony F., and Young.

Young, Einar O., Winter Park, Fla. Lawn sprinkler. 2,601,655, June 24.

Young, Einar T., Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Pipe line metering device with bearing protection mechanism. 2,615,335, Oct. 28.

Young, Einar T., Ridley Park, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,616,187, Nov. 4.

Young, Elton B., Dillsburg, Pa. Sanitary cleaning equipment. 2,595,743, May 6.

Young, Ernest H., Niagara Falls, N. Y., assignor to Comstock & Wescott, Inc., Cambridge, Mass. Stapling machine for applying labels. 2,582,731, Jan. 15.

Young, Farrile S., assignor to Panhandle Eastern Pipe Line Co., Kansas City, Mo. Field compressor. 2,615,615, Oct. 28.

Young, Fletcher M., Long Beach, Calif. Apparatus for transporting and installing portable tanks. 2,606,673, Aug. 12.

Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drilling rig. 2,602,635, July 8.

Young, Foster J.: *See*—
Snyder, James E., and Young.

Young, Frank E., Berkeley, and F. T. Jones, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Levulose dihydrate. 2,588,449, Mar. 11.

Young, Frank G., and J. T. Fitzpatrick, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of beta-hydroxy carboxylic acid lactones from ketene and aldehyde with clay catalyst. 2,580,714, Jan. 1.

Young, Fred M., assignor to Young Radiator, Racine, Wis. Heat exchange unit. 2,599,965, June 10.

Young, Frederick C., Willesden, London, assignor of one-half to George Beaton and Son Limited, London, England Mechanism for imparting rectilinear movement to a member. 2,610,849, Sept. 16.

Young, George, D. T. Laing, and J. H. Walls, Edinburgh, Scotland, said Laing assignor to said Young and said Walls. Liquid dispensing installations. 2,621,908, Dec. 16.

Young, George G., Kansas City, Mo. Apparatus for washing, rinsing, and sterilizing racks and the like. 2,619,099, Nov. 25.

Young, George M., assignor to Window Supply Co., Nashville, Tenn. Convertible storm window and awning. 2,601,078, June 17.

Young, Harland H.: *See*—
Brinsey, George E., and Young.

Young, Harland H., and K. H. Spitzmueller, assignors to Swift & Company, Chicago, Ill. Detergent composition and preparing same. 2,586,496, Feb. 19.

Young, Harland H., and H. C. Black, assignors to Swift & Company, Chicago, Ill. Separation of higher fatty acid partial esters of polyhydric alcohols from mixture containing the same. 2,608,564, Aug. 26.

Young, Harold, assignee: *See*—
Mace, James W.

Young, Harold A., Milton, Oreg. Retort can tray loader. 2,581,742, Jan. 8.

Young, Henry E., and G. V. Farnham, assignors, by mesne assignments, of forty-two and one-half percent to said Young, forty-two and one-half percent to said Farnham, four percent to R. E. Anderson, four percent to B. W. Cox, two percent to N. B. Spahr, Knoxville, Tenn., and five percent to B. R. Waller, and H. F. Hayes, jointly. Sanitary butter dispenser. 2,603,868, July 22.

Young, Henry S., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Traffic protection apparatus. 2,591,035, Apr. 1.

Young, Henry S., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Block indicator for centralized traffic control systems. 2,591,036, Apr. 1.

Young, Herbert, assignor to National Brass Company, Grand Rapids, Mich. Doorknob construction. 2,615,745, Oct. 28.

Young, Howard H., Waukegan, and D. A. Loper, Hubbard Woods, assignors to Abbott Laboratories, North Chicago, Ill. Powder inhaler. 2,592,369, Apr. 8.

Young, Israel, Brooklyn, N. Y. Toy chest. 2,582,575, Jan. 15.

Young, Jack, Daytona Beach, Fla., Water-powered reel for washing. 2,607,360, Aug. 19.

Young, James A., Riverside, R. I., assignor to Davol Rubber Company. Sanitary urinal pan. 2,619,653, Dec. 2.

Young, James F., Bridgeport, Conn., assignor to General Electric Company. Centrifugally operated motor speed governor. 2,598,481, May 27.

Young, James F., Bridgeport, Conn., assignor to General Electric Company. Range heater and control. 2,602,132, July 1.

Young, James H., Mount Lebanon, Pa. Salt shaker with desiccant holder suspended between cap and container. 2,588,600, Mar. 11.

Young, John, assignor to Volta Manufacturing Co. Ltd., Welland, Ontario, Canada. Electrode retainer. 2,623,080, Dec. 23.

Young, John C., Pittsburgh, Pa. Tire chain applying tool. 2,592,096, Apr. 8.

Young, John C., Pittsburgh, Pa. Light supporting means. 2,611,573, Sept. 23.

Young, Joseph W., Worcester, assignor to The Felters Company, Boston, Mass. Felting machine. 2,590,142, Mar. 25.

Young, Kenneth A., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Harmonic frequency selector. 2,617,039, Nov. 4.

Young, L. A., Spring and Wire Corporation, assignee: *See*—
Asaro, Vito.
Baptista, Americo.
Clark, William A.
Heilman, Bernard.
Heilman, Bernard, and Lenart.
Lenart, Anthony, and Heilman.
Ludwig, Walter.

Young, Larry L., New York, N. Y., assignor, by mesne assignments, to Padevco, Inc., Washington, D. C. Welding thermoplastic sheets. 2,609,482, Sept. 2.

Young, Leo L., A. C. Drechsler, and B. T. Brozozowski, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Automatic indexing drill press and flame cutting machine. 2,619,707, Dec. 2.

Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Foundry machine. 2,601,656, June 24.

Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Control for jarring mechanism in foundry machines. 2,619,695, Dec. 2.

Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Sectional receptacle. 2,581,778 Jan. 8.

Young, Lincoln McK., and L. B. Killingsworth, Hamilton, Ala. Automatic razor strop cover. 2,622,379, Dec. 23.

Young, Lloyd R., Jr., and J. W. Laster, Los Angeles, Calif. Fishing line sinker. 2,605,576, Aug. 5.

Young, Lloyd W., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Bar manipulator mechanism. 2,621,805, Dec. 16.

Young, Maurice, executor, trustee, assignee: *See*—
Franks, Joseph.

Young, Norman L.: *See*—
Yackley, Edward G., Young, and Kunz.

Young, Orel E.: *See*—
Arbiter, Nathaniel, and Young.

Young, Philip, Brooklyn, assignor to Neo-Ray Products, Inc., New York, N. Y. Lighting fixture with adjustable light shields. 2,587,423, Feb. 26.

Young Radiator, assignee: *See*—
Brinen, Paul F.
Uggerby, William.
Young, Fred M.

Young, Ray C.: *See*—
Rusca, Ralph A., and Young.

Young, Raymond A., Arlington, Va. Helicopter rotor blade. 2,591,757, Apr. 8.

Young, Richard H., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Airfoil construction. 2,613,893, Oct. 14.

Young, Richard V., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Aromatic color couplers containing mercaptan and hydroxyl groups. 2,596,755, May 13.

Young, Richard W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing amides. 2,617,793, Nov. 11.

Young, Robert B., Pittsfield, Mass., assignor to General Electric Company. Preparation of vinyl chloride. 2,590,810, Mar. 25.

Young, Robert M., Miami, Fla. Door jamb metal reinforcement. 2,616,531, Nov. 4.

Young, Samuel D., Rugby, England. Closure applying mechanism. 2,615,608, Oct. 28.

Young, Stephen A., Delphi, Ind. Pop-up valve connection. Re. 23,455, Jan. 15.

Young, Stephen A., Delphi, Ind. Exposed mixing chamber, mask, retainer, and valve control assembly. 2,591,991, Apr. 8.

Young, Stephen A., Delphi, Ind. Exposed valve structure with removable stop washer. 2,621,890, Dec. 16.

Young, Thomas F., Erlton, assignor to Arrow Safety Device Company, Mount Holly, N. J. Automotive signal light system. 2,623,935, Dec. 30.

Young, Vernon V., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Penicillin salt of (1,1-dimethyl-2-hydroxypropyl) amine. 2,587,574, Feb. 26.

Young, W. W., assignee: *See*—
Smida, Luverne R.

Young, Walter H.: *See*—
Eldridge, Tauslas I., Jr., and Young.

Young, William, Wishaw, Scotland. Window for buses and the like. 2,595,744, May 6.

Young, William A., Rock Island, and D. O. H. Miller, East Moline, assignors to Deere & Company, Moline, Ill. Supporting means for flexible conduits in hydraulic control means. 2,619,888, Dec. 2.

Young, William C., assignee: *See*—
Mace, James W.

Young, William D., Roslyn, Pa. Umbrella bandoleer. 2,610,778, Sept. 16.

Young, William G.: *See*—
Bub, Robert A., and Young.

Young, William O., assignee: *See*—
Fox, Marvin C.

Youngberg, Charles H.: *See*—
Oehler, William P., and Youngberg.

Youngberg, Charles H., assignor to Deere & Company, Moline, Ill. Angling means for disk harrows. 2,598,959, June 3.

Youngblood, Knowles, Atlanta, Ga. Clothes hanger guard. 2,585,715, Feb. 12.

Younger, Cousby R., Lilbourn, Mo. Tractor-mounted cotton chopper. 2,592,097, Apr. 8.

Youngkrantz, Howard R.: *See*—
Stobie, John J., and Youngkrantz.

Youngman, John D., Sleepy Eye, Minn. Stall with retaining gate. 2,601,845, July 1.

Youngman, Robert T., Longacres, Wooburn Green, England. Full span flap and aileron control. 2,583,405, Jan. 22.

Youngquist, Carl H.: *See*—
Goldmark, Peter C., and Youngquist.

Youngren, Harold T., Birmingham, Mich., and S. V. Hettinger, Jr., Westchester, assignors to Borg-Warner Corporation, Chicago, Ill. Double countershaft transmission. 2,599,801, June 10.

Youngren, Harold T., Birmingham, Mich., and S. V. Hettinger, Jr., Westchester, assignors to Borg-Warner Corporation, Chicago, Ill. Double countershaft transmission. 2,612,787, Oct. 7.

Youngstown Manufacturing, Incorporated, assignee: *See*—
Schuler, Fred G.

Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.
Ditchfield, Frank.
Doyle, Arthur J.
Johansson, Carl E.
Lute, Carl.
Madland, Gabriel.

Youngstown Steel Tank Company, The, assignee: *See*—
Stenson, Charles E., and Kelly.

Youngstown Welding & Engineering Company, The, assignee: *See*—
Watson, Charles G.

Yount, Nolen A., Refugio, Tex. Pipe laying apparatus. 2,589,181, Mar. 11.

Yount, Stanley G., Los Angeles, Calif. Bag. 2,581,826, Jan. 8.

Yourtee, John A., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Acid-curing thermosetting resins containing esters of oxanilic acid as latent catalysts therefor. 2,606,880, Aug. 12.

Yourtee, John A., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Salts of hexamethylenetetraminium bases as latent curing catalysts. 2,607,759, Aug. 19.

Youtcheff, John S., Cincinnati, Ohio. Ground speed plotter. 2,615,625, Oct. 28.

Yowell, Howard L.: *See*—
Lippincott, Samuel B., Baumgartner, and Yowell.
McKay, John F., Jr., Yowell, and Jasion.

Yowell, Howard L., Westfield, J. F. McKay, Jr., Cranford, and L. Z. Jasion, Elizabeth, N. J., assignors to Standard Oil Development Company. Herbicidal oil solutions of sodium trichloroacetate. 2,615,803, Oct. 28.

Ytterfors, Sven L.: *See*—
Larcén, Jan A., and Ytterfors.

Yuan, John C. C., Washington, D. C. Coffee table with vertically adjustable top. 2,614,012, Oct. 14.

Yuba Manufacturing Company, assignee: *See*—
Harris, Robert L., and Lothrop.

Yugen-Kaisha Sanei Sangyo, assignee: *See*—
Kizawa, Takeo.

Yula, Henry F., New York, and R. W. Yula, Flushing, assignors to Yula Water Heaters, Inc., New York, N. Y. Fuel oil heater with means for preventing entrainment of fuel oil with the circulating medium. 2,610,267, Sept. 9.

Yula, Ralph W.: *See*—
Yula, Henry F., and R. W.

Yula Water Heaters, Inc., assignee: *See*—
Yula, Henry F., and R. W.

Yundt, Michael, Company, assignee: *See*—
Gerlach, Charles L.
Kessler, Frederick P.

Yung, Ashun, Merchantville, and W. P. Lowden, Pitman, N. J., assignors to Radio Corporation of America. Moistureproof protective membrane material and making same. 2,598,090, May 27.

Yutang, Lin, New York, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Visual selecting device for Chinese typewriters and the like. 2,613,794, Oct. 14.

Yutang, Lin, New York, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Chinese typewriter. 2,613,795, Oct. 14.

Yutang, Lin, Zurich, Switzerland. Spring powered type bar actuating mechanism for typewriters. 2,590,594, Mar. 25.

Yutzy, Henry C., and E. C. Yackel, assignors to Eastman Kodak Company, Rochester, N. Y. Photomechanical copy method. 2,596,756, May 13.

Yutzy, Henry C., and J. A. Leermakers, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic emulsions sensitised with gold compounds. 2,597,915, May 27.

Yutzy, Henry C., and G. F. Frame, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing photographic emulsions. 2,614,928, Oct. 21.

Yutzy, Henry C., and F. J. Russell, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing photographic emulsions. 2,614,929, Oct. 21.

Yzer, Jacobus A. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cylinder head for hot-gas reciprocating engines. 2,616,250, Nov. 4.

Yzetta, Ernesto N., Buenos Aires, Argentina. Rotary horizontal file. 2,599,802, June 10.

Zaayer, David, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for ultrahigh frequencies. 2,596,002, May 6.

Zabel, George W., Cincinnati, Ohio, assignor to Fairbanks, Morse & Co., Chicago, Ill. Mold conveying and handling apparatus. 2,601,199, June 17.

Zaber, Adolph J., and J. D. W. Gray, assignors to Graymills Corporation, Evanston, Ill. Metal stock oiler. 2,614,526, Oct. 21.

Zabich, Martin, Verona, Pa. Axially and angularly adjustable straight beam clamp. 2,581,317, Jan. 1.

Zaborowski, Stefan, Waltham Cross, England. Parallel line spacing device for drawing purposes. 2,601,727, July 1.

Zabransky, Franz, Vienna, Austria. X-ray apparatus. 2,605,458, July 29.

Zabriskie, Arthur E., Jersey City, N. J., and W. E. Lundgren, Sharon, Mass., assignor, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Cloth roll control mechanism. 2,589,524, Mar. 18.

Zabriskie, Charles L., assignor to Essex Products, Inc., New York, N. Y. Fire extinguisher. 2,612,224, Sept. 30.

Zaccagnini, Concezio L., Watervliet, N. Y., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Hot top electrode tip. 2,600,823, June 17.

Zaccardo, Anthony, Haverstraw, N. Y. Holder for keys. 2,617,463, Nov. 11.

Zachariasén, Stig H. B., assignor to Aktiebolaget Separator, Stockholm, Sweden. Device for stabilizing and homogenizing liquid mixtures. 2,595,376, May 6.

Zachariassen, Stig H. B., Stockholm, and A. G. Borck, Tullinge, assignors to Aktiebolaget Separator, Stockholm, Sweden. Producing margarine, butter, and similar products. 2,605,185, July 29.

Zachary, Alexis, New York, N. Y. Hair curler. 2,585,611, Feb. 12.

Zachary, Alexis, New York, N. Y. Hair curler. 2,590,669, Mar. 25.

Zachary, Alexis, New York, N. Y. Magnetic extractor. 2,599,966, June 10.

Zachary, Alexis, New York, N. Y. Hair curler. 2,601,859, July 1.

Zacher, Norman E.: *See*—
Schiel, Wilhelm, and Zacher.

Zack, Oscar S., Detroit, Mich. Awning. 2,591,758, Apr. 8.

Zademach, Erich R., Hillside, and W. W. Clarke, Summit, assignors to Metalwash Machinery Company, Irvington, N. J. Shaft bearing seal. 2,608,982, Sept. 2.

Zadra, John B., Reno, Nev., assignor to the United States of America as represented by the Secretary of the Interior. Regenerating activated carbon loaded with adsorbed gold. 2,588,450, Mar. 11.

Zadrozny, Lucian J., New Britain, Conn. Crutch gauge. 2,614,332, Oct. 21.

Zaetz, Saul P., Burlington, Vt. Drainage receptor. 2,585,716, Feb. 12.

Zagel, Samuel J., Chicago, Ill. Vehicle ventilator window air deflector attachment. 2,622,920, Dec. 23.

Zagel, Samuel J., Chicago, Ill. Vehicle air deflector. 2,622,921, Dec. 23.

Zahel, Alex, Yorktown Heights, assignor, by mesne assignments, to Kee Zipper Corporation, New York, N. Y. Unlockable slide for hookless fasteners. 2,607,976, Aug. 26.

Zahn, Eric H., Kirkland, Wash. Preformed dental arch. 2,608,760, Sept. 2.

Zahn, Robert E., Milwaukee County, Wis. Incinerator. 2,616,378, Nov. 4.

Zahnfabrik Wienand Soehne und Co., G. m. b. H., assignee: *See*—
Gatzka, Konrad.

Zaidan, Joseph P., Philadelphia, Pa. Suction brush for cleaning Venetian blinds. 2,608,710, Sept. 2.

Zaidan, Joseph P., Philadelphia, Pa. Woodworking plane with chip releasing means. 2,612,918, Oct. 7.

Zaiffert, Sidney, assignee: *See*—
Gershen, Irvin J.

Zaiger, Max, assignee: *See*—
Nesson, Israel.

Zaikowsky, Nina D., assignee: *See*—
Zaikowsky, Wladimir M.

Zaikowsky, Wladimir M., Pasadena, Calif., assignor to N. D. Zaikowsky. Thermal conductivity gas analyzer. 2,591,759, Apr. 8.

Zaikowsky, Wladimir M., Pasadena, Calif., assignor to N. D. Zaikowsky. Gas analysis apparatus. 2,591,760, Apr. 8.

Zaikowsky, Wladimir M., Pasadena, Calif., assignor to N. D. Zaikowsky. Apparatus for gas analysis. 2,591,761, Apr. 8.

Zaikowsky, Wladimir M., Pasadena, Calif., assignor to N. D. Zaikowsky. Gas analysis apparatus. 2,591,762, Apr. 8.

Zakheim, Jacques, assignor to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France. Automatic system for aircraft. 2,581,743, Jan. 8.

Zakheim, Murray: *See*—
Parr, Thaddeus, and Zakheim.

Zakos, Evangelos, Brooklyn, N. Y. Supporting device. 2,603,357, July 15.

Zaitz, Colman F.: *See*—
Schoeppner, Karl P., and Zaitz.

Zalanskas, Victor J., West Lynn, Mass. Gauge. 2,596,637, May 13.

Zales, Joseph H.: *See*—
Franck, George E., and Zales.

Zaleski, John F., Queens Village, N. Y., assignor to General Precision Laboratory Incorporated. Microwave measuring instrument. 2,591,329, Apr. 1.

Zaleski, John F., Queens Village, N. Y., assignor to General Precision Laboratory Incorporated. Wave guide stub. 2,596,458, May 13.

Zaleski, John F., Queens Village, N. Y., assignor to General Precision Laboratory Incorporated. Measuring apparatus. 2,611,804, Sept. 23.

Zaleski, Stella, Detroit, Mich. Photographer's apron. 2,607,040, Aug. 19.

Zalkind, Joseph, New York, N. Y. Sales ticket and forms holder and forms register. 2,606,774, Aug. 12.

Zaloom, Joseph A., Rutherford, N. J. Preparation of toasted nut meats. 2,582,188, Jan. 8.

Zaloudek, Theodore V., Bridgeport, Conn., assignor to General Electric Company. Stabilized saw tooth oscillator. 2,610,298, Sept. 9.

Zaltzman, Arthur, assignor to Cribben and Sexton Company, Chicago, Ill. Stove drawer track. 2,586,138, Feb. 19.

Zamboni, Frank J., Hynes, Calif. Refrigerated liquid storage tank. 2,594,603, Apr. 29.

Zamboni, William E., Longview, Wash., and K. E. Luger, assignors to K. E. and C. P. Luger, a partnership doing business as Kenneth E. Luger Co., Minneapolis, Minn. Garment-supporting fixture. 2,611,520, Sept. 23.

Zamis, Anthony F., assignor to Illinois Tool Works, Chicago, Ill. Gear-cutting apparatus. 2,589,759, Mar. 18.

Zander, Harold O., and P. B. Kuehl, South Bend, Ind. Truck for transporting upright cylinders. 2,583,196, Jan. 22.

Zang, Elbern A., Wichita, Kans. Axially shifting type hydraulically operable tire remover. 2,612,214, Sept. 30.

Zannettos, Pierre L., Westbury, N. Y. Traffic control system. 2,604,525, July 22.

Zaoral, Josef, Dily-Zlin, and V. Ostrčil, Horni Mostenice, assignors to Bata, národní podnik, Zlin, Czechoslovakia. Driving arrangement for shoemaking machines. 2,623,224, Dec. 30.

Zapfel, Raymond: *See*—
Ekkebus, Eloy D., Gallagher, and Zapfel.

Zappacosta, Amedeo D., Havertown, Pa., assignor to Radio Corporation of America. Diversity receiver indicator circuit. 2,620,437, Dec. 2.

Zappert, Robert H.: *See*—
Brunner, August H., Jr., and Zappert.

Zappert, Robert H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Regeneration of exhausted silver bleaching solutions. 2,611,699, Sept. 23.

Zapponi, Paschal P., assignor to The Brush Development Company, Cleveland, Ohio. Manufacturing a magnetic recording medium by electrodeposition. 2,619,454, Nov. 25.

Zarat, Joseph S., Fox Lake, Ill. Child's vehicle. 2,589,182, Mar. 11.

Zarkin Machine Co., Inc., assignee: *See*—
Halpern, Bernard R.

Zarlengo, Dominic A., Denver, Colo. Animated jigsaw puzzle. 2,585,419, Feb. 12.

Zartman, John D.: *See*—
Talmadge, Palmer C., Zartman, and Prouty.

Zarwell, Cedric E.: *See*—
Johnson, Roy W., Zarwell and McCarty.
Pawelsky, Vernon R., McCarty, and Zarwell.

Zaslavsky, Sam, Jackson Heights, assignor to The Sperry Corporation, Great Neck, N. Y. Directional coupler. 2,615,982, Oct. 28.

Zauderer, Jerome, New York, and B. J. Aleck, Brooklyn, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for the solution of linear simultaneous equations. 2,595,185, Apr. 29.

Zautner, Richard C., Manila, Philippine Islands. Clamp type screw driver for cans. 2,585,526, Feb. 12.

Zavada, Frank J., Swissvale, Pa. Toothbrush. 2,582,404, Jan. 15.

Zavagno, Alfred E., San Francisco, Calif. Spring pressed toothbrush. 2,588,601, Mar. 11.

Zavala, José R., San Pedro, Calif. Dancing doll. 2,614,362, Oct. 21.

Závody pre Chemickú Vyrobu, narodny podnik, assignee: *See*—
Zmatlík, Josef, Starý, Piller, and Pinkava

Zavoico, Stephen V., Chicago, Ill., assignor to Bowser, Inc., Fort Wayne, Ind. Power-driven meter. 2,621,516, Dec. 16.

Zay, Anthony: *See*—
Wright, Richard H., and Zay.

Zayac, Peter, assignee: *See*—
Thomas, Orrin H., and Snyder

Zbrojovka Brno. Narodni Podnik (Brno Arms Factory National Corporation), assignee: *See*—
Koucký, Josef.

Zearfoss, Elmer W., Jr.: *See*—
Shoemaker, Malcolm G., and Zearfoss.

Zech, John D., Anchorage, assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Epoxide compositions. 2,581,464, Jan. 8.

Zechtzer, Sol: *See*—
Reynolds, Foster N., Jr., Zechtzer, and Kiebert.

Zeeb, Elmer G., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Sun visor. 2,610,085, Sept. 9.

ZeGCo Products Incorporated, assignee: *See*—
Zumwalt, Arlie I.

Zehnder, Otto, assignor to Gebruder Zehnder Radiatoren- & Apparatebau, Granichen, Switzerland. Hydraulic piston-control rigging for refrigerator-compressors. 2,583,285, Jan. 22.

Zehner, William H.: *See*—
Spreng, Warren M., and Zehner.

Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car door operating mechanism. 2,588,683, Mar. 11.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch lever assembly. 2,583,621, Jan. 29.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch driven plate. 2,618,369, Nov. 18.

Zeier, Frederick F., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vibration dampening support for machines. 2,604,283, July 22.

Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feed-off-the-arm sewing machine. 2,623,484, Dec. 30.

Zeigenhein, William J.: *See*—
Welch, Nicholas A., and Zeigenhein.

Zeigler, Philip B.: *See*—
Lincoln, Clovis W., Zeigler, and Malone.

Zeller, Frank J., Brooklyn, N. Y. Polishing apparatus. 2,601,581, June 24.

Zellman, Roy H., and M. L. Sheetz, Elyria, assignors to The Thew Shovel Company, Lorain, Ohio. Preloading of bogies for motor cranes and the like. 2,601,486, June 24.

Zeis, Donald C., Cromers, Ohio. Rotary milk can and bucket rack. 2,612,999, Oct. 7.

Zeiss, Harold H., Tenafly, N. J., assignor, by mesne assignments, to The Fulwal Chemical Corporation, New York, N. Y. Separation of rosin acids. 2,580,496, Jan. 1.

Zeiss-Opton Optische Werke Oberkochen G. m. b. H., assignee: *See*—
Littmann, Hans.

Zeisl, Ignaz, Vienna, Austria. Jaw adjusting means for plier-type wrenches. 2,607,250, Aug. 19.

Zeitlin, Edward J., Yorktown, N. Y. Air vent valve. 2,602,590, July 8.

Zelik, John N., Pittsburgh, Pa. Air operated figure toy. 2,582,856, Jan. 15.

Zell, Parker R., Los Angeles, Calif. Automatically actuated fire extinguisher. 2,588,788, Mar. 11.

Zeller, Robert C., assignor to The Defiance Automatic Screw Company, Defiance, Ohio. Shaping steel bar stock. 2,616,314, Nov. 4.

Zeller, Wilhelm, Ostermundigen, near Berne, Switzerland. Cutting device for chopping up foodstuff. 2,623,563, Dec. 30.

Zellhoefer, Glenn F., Normal, and S. E. Vickers, Chicago, Ill.; said Vickers assignor to said Zellhoefer. Working fluid for use in refrigerating systems and preventing corrosion in refrigerating systems. 2,582,306, Jan. 15.

Zellner, Carl N., New Providence, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of oxidized hydrocarbons. 2,581,506, Jan. 8.

Zellner, Carl N., Providence, and F. Lister, Elizabeth, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of oxidized hydrocarbon mixtures and products thereof. 2,581,507, Jan. 8.

Zellner, Carl N., Berkeley Heights, and F. Lister, Elizabeth, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of oxidized hydrocarbon mixtures and products thereof. 2,581,508, Jan. 8.

Zellstoffabrik Waldhof, assignee: *See*—
Haas, Rudolf.

Zellweger A. G. Apparate-und Maschinenfabriken Uster, assignee: *See*—
Gegenschatz, Walter.

Zellweger, Conrad, Pregny-Geneva, assignor to La Nationale S. A., Geneva, Switzerland. Pyrophoric lighter. 2,618,140, Nov. 18.

Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Lighting fixture for circular tubular discharge lamps. 2,589,760, Mar. 18.

Zeman, Arthur J., South Euclid, Ohio. Lawn rake. 2,587,424, Feb. 26.

Zemany, Paul D., Schenectady, N. Y., assignor to General Electric Company. Thermometer. 2,612,048, Sept. 30.

Zemberry, William L.: *See*—
Shack, Andrew T., and Zemberry.

Zembrosky, Abraham L., and J. Yampol, and H. N. Yampol, Milwaukee, Wis. Display rack. 2,606,735, Aug. 12.

Zender, Justin: *See*—
Cornwell, Ralph T. K., and Zender.

Zener, Clarence M., Newton Center, and D. Van Winkle, Newtonville, Mass. Method and apparatus for stress-strain testing. 2,612,774, Oct. 7.

Zener, Frederick: *See*—
Mangold, George, and Zener.

Zenftman, Henryk, and J. E. Forlin, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of fuses and composition therefor. 2,590,060, Mar. 18.

Zenick, George, Los Angeles, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Book jacket. 2,622,897, Dec. 23.

Zenick, Raymond G., Burbank, assignor to Filterall Co., Inc., Glendale, Calif. Filter apparatus. 2,597,217, May 20.

Zenick, Raymond G., Burbank, Calif. Oil filter cartridge mounting. 2,620,071, Dec. 2.

Zenith Processing Corporation, assignee: *See*—
Reed, Julian E.

Zenith Radio Corporation, assignee: *See*—
Adler, Robert.
Adler, Robert, and Spracklen.
Aram, Nathan W.
Bell, John F., and Cotsworth.
Bridges, Jack E.
Chelgren, Arvid E.
Cotsworth, Albert, III.
Cotsworth, Albert, III, and Stroh.
Crotty, Francis W., and Roschke.
Czeropski, Walter P., Jr., and Gray.
Ellett, Alexander.
Gerber, George A., and Mullaney.
Glasstone, Samuel.
Gray, Richard O.
Hardy, Maurice E.
Hubbard, Malcolm M.
Kafka, Nicholas.
Loe, Gerald M.
Mullaney, Ralph A.
Mullaney, Ralph A., Emde, and Steglich.
Polley, Eugene J.
Roschke, Erwin M.
Steinke, Carl J.
Wagenknecht, Otto E.
Wandrey, Clarence W.

Zenner, Frederick M., Marietta, Ohio, and C. F. Wolters, New Canaan, Conn., assignors to Remington Rand Inc., New York, N. Y. Power-operated visible index. 2,621,995, Dec. 16.

Zenner, Raymond E., Brookfield, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Winding and reeling mechanism. 2,607,544, Aug. 19.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph selector. 2,595,745, May 6.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Contact assembly. 2,605,366, July 29.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Telegraph keyboard transmitter. 2,607,848, Aug. 19.

Zens, Pierre M. F.: *See*—
Honnoré, Michel A. J. and Zens.

Zenteckl, Stephen, South Dayton, N. Y. Brake position controlled switch. 2,585,206, Feb. 12.

Zentmyer, David T.: *See*—
Breuer, Frederick W., and Zentmyer.

Zens, Frank, Sr., San Fernando, Calif. Axle alignment gauge. 2,619,731, Dec. 2.

Zepelovitch, Nathan, assignor to N. A. Bernstein, New York, N. Y. Closure member. 2,583,460, Jan. 22.

Zephyr Laundry Machinery Company, assignee: *See*—
Koplin, Harry, and Slate.

Zepp, Clifton E.: *See*—
Null, George D., and Zepp.

Zerbe, Frederick K., Houston, Tex., assignor to A. O. Smith Corporation. Valve fitting for liquefied gas systems. 2,623,362, Dec. 30.

Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber and product thereof. 2,582,732, Jan. 15.

Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. N-thio bis N-tetrahydrofurfuryl- and tetrahydrothenyl-amines. 2,598,333, May 27.

Zerbo, John, Bronx, N. Y. Comb. 2,589,469, Mar. 18.

Zerega's A., Sons, Inc., assignee: *See*—
Klimas, Mathew.

Zerfas, George H., assignee: *See*—
Reed, Robert S.

Zerger, Elmer: *See*—
Krehbiel, Daniel E., and Zerger.

Zern, Warren B., assignee: *See*—
Schwarzer, Fred.

Zern, Warren B., Montgomery County, near Pottstown, Pa. Jig assembly and guide for locating door lock recesses. 2,605,791, Aug. 5.

Zerner, Ernst and M. Gradsten, New York, N. Y., and F. W. West, Peace Dale, R. I., assignors to Sun Chemical Corporation, New York, N. Y. Polymers of acrylyltriazine-aliphatic amine reaction products. 2,615,882, Oct. 28.

Zerner, Ernst and M. W. Pollock, assignors to Sun Chemical Corporation, New York, N. Y. Reaction products of nitriles. 2,615,887, Oct. 28.

Zerner, Ernst and M. W. Pollock, assignors to Sun Chemical Corporation, New York, N. Y. Reaction products of nitriles. 2,615,888, Oct. 28.

Zerner, Ernst, and M. W. Pollock, assignors to Sun Chemical Corporation, New York, N. Y. Reaction products of nitriles. 2,615,889, Oct. 28.

Zernicke, Leonard F., Oshkosh, Wis. Milk strainer. 2,601,079, June 17.

Zernike, Frits, Baltimore, Md. Phase microscopy. 2,616,334, Nov. 4.

Zero Hour Bomb Company, assignee: *See*—
Blissit, Raymond J.

Zerr, Karl, Rego Park, N. Y. Jewelry chain connector. 2,586,758, Feb. 19.

Zeruneith, Rudolph E., Philadelphia, Pa. Transfer needle for knitting machines. 2,588,451, Mar. 11.

Zerweck, Werner, and E. Heinrich, assignors to Cassella Farbwerke Mainkur, Frankfort-on-the-Main-Fechenheim, Germany. Acridone vat dyestuffs. 2,623,047, Dec. 23.

Zettel, Joseph H., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for opening fibrous agglomerations. 2,609,313, Sept. 2.

Zettel, Joseph H., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Laminated insulating block and making the same. 2,612,462, Sept. 30.

Zettelmeyer, T. R., trustee, assignee: *See*—
Tegarty, John B.

Zettlemoyer, Albert C., and W. C. Walker, Bethlehem, Pa., and W. J. Riley, Westfield, N. J., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Producing highly active magnesia from magnesium hydroxide. 2,606,816, Aug. 12.

Zettlemoyer, Albert C., W. C. Walker, and W. L. Stump, Bethlehem, Pa., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Preparation of ketones by dehydrocarboxylation of carboxylic acids. 2,612,524, Sept. 30.

Zetts, Joseph J., Gaithersburg, Md. Fishing reel. 2,613,044, Oct. 7.

Zeuthen, Karl G., Gentofte, near Copenhagen, Denmark. Apparatus for advancing film stepwise. 2,614,456, Oct. 21.

Zeve, Sol H., Bronx, N. Y. Toe pledget. 2,603,212, July 15.

Zibell, Jules S., Decatur, Ga. Wardrobe storage means. 2,608,457, Aug. 26.

Zick, Leonard P.: *See*—
Moyer, Frederick D., and Zick.

Ziebell, Harvey R., Oshkosh, Wis. Gaff hook. 2,590,595, Mar. 25.

Ziebolz, Herbert, and P. Glass, assignors to Askania Regulator Company, Chicago, Ill. Stabilized control system. 2,594,604, Apr. 29.

Ziebolz, Herbert, D. T. Gundersen and R. K. Baetzmann, assignors to Askania Regulator Company, Chicago, Ill. Positioning control system for remote elements, including hydraulic transmission units. 2,613,502, Oct. 11.

Zief, Morris: *See*—
Fisher, Charles H., Zief, and Hockett.
Schwartz, Joseph H., Talley, Zief, and Fisher.

Zief, Morris, and E. Yanovsky, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polymerization of polyallyl and polymethallyl ethers of polyhydroxy compounds. 2,606,881, Aug. 12.

Zieg, Clifford V., Jr., Fort Wayne, Ind., assignor to Dana Corporation, Toledo, Ohio. Centrifugal clutch. 2,596,193, May 13.

Ziegelmeyer, Lynn J., North Hollywood, Calif. Pressure operated reciprocating valve. 2,613,652, Oct. 14.

Zieger, Eugene, Manchester, and L. Frank, Sale, England. Photographic method for producing boundary lines. 2,618,554, Nov. 18.

Ziegler, Arthur W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Heating apparatus. 2,588,315, Mar. 4.

Ziegler, Arthur W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for equipping crystals with wires. 2,602,872, July 8.

Ziegler, Arthur W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cage assembly for crystals. 2,608,597, Aug. 26.

Ziegler, Carl, Clementon, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Methyl-butylsulfamylbenzoic acid. 2,608,513, Aug. 26.

Ziegler, Carl, Clementon, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Ethyl-butylsulfamylbenzoic acid. 2,608,514, Aug. 26.

Ziegler, Carl, Clementon, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Halogenation of 2-aminopyrimidines. 2,609,372, Sept. 2.

Ziegler, Carl, Clementon, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Di-methyl-butylsulfamylbenzoic acid. 2,609,515, Aug. 26.

Ziegler, Eugene R., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Apparatus for supplying fluid-borne flow of abrasive material. 2,612,732, Oct. 7.

Ziegler, Hans K., West Long Branch, N. J., assignor to United States of America as represented by the Secretary of the Army. Electrical circuit for preventing excessive transients. 2,585,069, Feb. 12.

Ziegler, Irvin J., assignor to G & Z Automatic Products Company, Jackson, Mich. Collet chuck apparatus. 2,621,938, Dec. 16.

Ziegler, Karl, St. Kilda, Victoria, Australia. Toolholder. 2,611,948, Sept. 30.

Ziegler, Nicholas A., J. R. Goldsmith, and A. F. Lahr, assignors to Crane Co., Chicago, Ill. Magnesium treated ferritic stainless steels. 2,616,798, Nov. 4.

Ziegler, Ralph B., assignor to Philadelphia Valve Company, Philadelphia, Pa. Hose reeling mechanism. 2,599,423, June 3.

Ziegler, Ralph B., assignor to Philadelphia Valve Company, Philadelphia, Pa. Distributor control system for liquids. 2,608,988, Sept. 2.

Ziegliss, Peter, Bronx, N. Y. Two-piece key. 2,591,652, Apr. 1.

Zielinski, George, Brooklyn, N. Y. Sectional needle bed for flat-V knitting machines. 2,623,372, Dec. 30.

Zielinski, Joseph, Brooklyn, N. Y. High-pressure jet nozzle. 2,589,183, Mar. 11.

Ziemer, Charles W.: *See*—
Niles, Joseph A., Simpson, Sturgis, Vinçent, and Ziemer.

Ziemke, Herbert C., Racine, Wis. Finger hook. 2,614,878, Oct. 21.

Ziems, Elmer A.: *See*—
Reaser, William A., Ziems, and Christman.

Zientowski, Edward L., Toledo, Ohio. Fishing reel. 2,601,582, June 24.

Zienty, Ferdinand B.: *See*—
Harvey, Dorothy J., and Zienty.

Zienty, Ferdinand B., Brentwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of N - (3,4 - dialkoxyphenylacetyl) - 3',4' - dialkoxyphenalkylamines. 2,608,581, Aug. 26.

Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Sulfa derivatives of 2-amino-5-cycloalkyl-1,3,4-thiadiazoles. 2,623,877, Dec. 30.

Ziese, Carl H., Oklahoma City, Okla. Extended article-gripping device. 2,616,741, Nov. 4.

Zig Zag Spring Co., assignee: *See*—
Zweyer, Andrew M.

Zijlstra, Paul: *See*—
Boosman, Herman B. R., and Zijlstra.

Zilinsky, Frank W., Downey, Calif. Insect retriever. 2,601,487, June 24.

Zilligen, Grady J.: *See*—
Schaar, Charles H., and Zilligen.

Zimbalist, William H., Brooklyn, N. Y. Self-line cleaning pulley. 2,602,951, July 15.

Zimdars, John B., deceased, San Francisco, Calif.; H. Grant, executrix. Plier-wrench with guided jaws. 2,592,098, Apr. 8.

Zimel, Jack J., Rock Island, Ill. Portable fence. 2,599,967, June 10.

Zimermann, Otto: *See*—
Kleineberg, Gustav, and Zimermann.

Zimic, Michael, New York, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Knitting machine. 2,600,369, June 10.

Zimic, Michael, Lake Success, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Yarn feed mechanism for knitting machines. 2,602,312, July 8.

Zimic, Michael, Lake Success, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Yarn feed mechanism for knitting machines. 2,610,493, Sept. 16.

Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper bottom load discharging car. 2,588,316, Mar. 4.

Zimmer, Albert E., and W. F. Batho, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Shaft bearing and hub casting for rotatable shaft door operating mechanism for railroad dump cars. 2,620,745, Dec. 9.

Zimmer, Frank: *See*—
Tomasek, Herbert F., and Zimmer.

Zimmer, George H., Jr.: *See*—
Byram, Frederick C., and Zimmer.

Zimmer, Harrison P.: *See*—
Schueder, George M., and Zimmer.

Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Metal protecting compositions. 2,582,733, Jan. 15.

Zimmer, Judson, Jr.: *See*—
Warren, Minton W., and Zimmer.

Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Pressure cooker cover support. 2,581,995, Jan. 8.

Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Pressure relief valve assembly. 2,586,759, Feb. 19.

Zimmer, Raymond R.: *See*—
Mills, Ellsworth L., and Zimmer.
Skalles, Thomas J., and Zimmer.

Zimmerman, Albert E., Tiburon, assignor to Merco Centrifugal Co., San Francisco, Calif. Centrifuge construction. 2,616,620, Nov. 4.

Zimmerman, Bernhard G., Guilford College, N. C. Reaction product of starch with glycolalkylolamine condensates for the sizing of textile warp strands. 2,614,103, Oct. 14.

Zimmerman, Carl W., Dallas, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Electrostatically shielded magnetic well logging system. 2,623,923, Dec. 30.

Zimmerman, Charles E., Globe, Ariz., assignor to Inspiration Consolidated Copper Company. Apparatus for closing dump car doors. 2,600,357, June 10.

Zimmerman, Charles F., Westerville, and R. E. Kibele, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Aircraft landing wheel assembly. 2,602,612, July 8.

Zimmerman, Charles H., assignor to Zimmerman Packing Company, Norwood, Ohio. Cutting tool. 2,595,500, May 6.

Zimmerman, Edward C.: *See*—
Arenberg, Albert L., and Zimmerman.

Zimmerman, Harry F.: *See*—
Leszak, John, and Zimmerman.

Zimmerman, Harry F., assignor to Bendix Aviation Corporation, Towson, Md. Packing articles for shipment. 2,590,071, Mar. 18.

Zimmerman, John, Philadelphia, Pa., H. W. Wolf, Clifton, N. J., and L. I. Weiner, Philadelphia, Pa., said Wolf assignor to Forstmann Woolen Company, Passaic, N. J. Shrinkage resistance treatment of woolen goods. 2,590,811, Mar. 25.

Zimmerman Packing Company, assignee: *See*—
Zimmerman, Charles H.
Zimmerman, Ralph C.

Zimmerman, Percy W.: *See*—
Hitchcock, Albert E., and Zimmerman.

Zimmerman, Percy W., and A. E. Hitchcock, assignors to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y. Herbicide. 2,622,975, Dec. 23.

Zimmerman, Philip L., New York, N. Y. Circuit continuity tester. 2,620,379, Dec. 2.

Zimmerman, Ralph C., assignor to Zimmerman Packing Company, Norwood, Ohio. Merchandise package. 2,595,043, Apr. 29.

Zimmerman, Ralph D., Omaha, Nebr. Water softening system valve. 2,588,317, Mar. 4.

Zimmerman, Thomas, Dearborn, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Work chuck. 2,596,321, May 13.

Zimmerman, William G., Paynesville, Minn. Heating and cooling air conditioning system. 2,581,744, Jan. 8.

Zimmerman, William H., San Diego, Calif. Brush for phonograph needles. 2,583,622, Jan. 29.

Zimmermann, Carl T., Old Greenwich, assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing Machine. 2,598,739, June 3.

Zimmermann, Carl T., Old Greenwich, assigner to Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing Machine. 2,598,740, June 3.

Zimmermann, Charles E., North Arlington, N. J. Sanitary telephone mouthpiece attachment. 2,593,382, Apr. 15.

Zimmermann, H Paul, Amityville, assignor to Institute for Better Living, Inc., New York, N. Y. Movable water supply on cooking stove. 2,620,785, Dec. 9.

Zimmermann, Karl G., assignor to Life Ease Products, Inc., Chicago, Ill. Dust bag for vacuum cleaners. 2,592,507, Apr. 8.

Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Incorporated, Irvington, N. J. Crank shaper ram and clamp. 2,580,497, Jan. 1.

Zimmerschied, Wilford J.: *See*—
Higley, Willard S., Zimmerschied, and Lien.

Zimmerschied, Wilford J., Hammond, Ind., and R. C. Arnold, Park Forest, assignors to Standard Oil Company, Chicago, Ill. Preparation of alkyl thiophenes. 2,585,292, Feb. 12.

Zimmerschied, Wilford J., Hammond, Ind., and R. C. Arnold, Park Forest, assignors to Standard Oil Company, Chicago, Ill. Alkylation of thiophene. 2,609,375, Sept. 2.

Zimsky, John J.: *See*—
Sefton, Robert C., and Zimsky.

Zin, Walter H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Measuring radiation. 2,608,661, Aug. 26.

Zindel, George, Jr., Fox Chase Manor, assignor to Philco Corporation, Philadelphia, Pa. Illuminated indicator. 2,601,841, July 1.

Zindt, Albert, assignor to Amoskeag Machine Co., Manchester, N. H. Safety mechanism for elevators. 2,618,361, Nov. 18.

Zingg, Walter, Chevres, Geneva, assignor to Hispano-Suiza (Suisse), S. A., Geneva, Switzerland. Lubricating means for a worm and worm gear. 2,617,497, Nov. 11.

Zink, John S., Tulsa, Okla. Forced air flow unit air-heating furnace. 2,620,787, Dec. 9.

Zink, John S., and R. D. Reed, Tulsa, Okla., said Reed assignor to said Zink. Gas-air burner provided with antiflash-back member. 2,582,577, Jan. 15.

Zink, William L.: *See*—
Hill, Stanley E., and Zink.

Zinke, Erwin M., Oakland, Calif. Body and fender jack. 2,620,011, Dec. 2.

Zinken, Louis N., St. Cloud, Minn. Masonry line block. 2,611,963, Sept. 30.

Zinken, Louis N., St. Cloud, Minn. Mason's trig line holder. 2,618,858, Nov. 25.

Zinn, Herman R., Rochelle Park, N. J. Support for disassembled sections of fly and similar rods. 2,595,746, May 6.

Zinn, Manvel K., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic impedance equalizer. 2,589,184, Mar. 11.

Zinn, Walter H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Neutron detector. 2,588,789, Mar. 11.

Zinsmaster Baking Company, assignee: *See*—
Werden, Henry J.

Zion, Irving, Lawrence, N. Y. Device for simulating golf putting holes. 2,606,028, Aug. 5.

Zipf, Edward H., Cleveland, Ohio. Cutter unit for mowing machines. 2,601,753, July 1.

Ziph, Andrew H., St. Joseph, Mo. Draft control for heating apparatus. 2,604,887, July 29.

Zipp, Harold W.: *See*—
Williams, Robert L., Lammers and Zipp.

Zirin, Maxwell J., Long Island City, N. Y. Timing angle indicator for automotive engine distributors. 2,611,837, Sept. 23.

Zirkle, Raymond E.: *See*—
Raper, John R., and Zirkle.

Ziskal, Joseph F., Brookfield, Ill. Stop mechanism for implement adjusting cylinders. 2,606,532, Aug. 12.

Ziskin, Manuel S., University Heights, and R. B. Billig, Erieside, assignors to Kromex Corporation, Cleveland, Ohio. Teakettle. 2,590,596, Mar. 25.

Ziskin, Manuel S., University Heights and R. B. Billig, Erieside, assignors to Kromex Corporation, Cleveland, Ohio. Spaced wall receptacle and cover. 2,602,564, July 8.

Ziskin, Manuel S., University Heights, and R. B. Billig, Erieside, assignors to Kromex Corporation, Cleveland, Ohio. Teakettle. 2,620,948, Dec. 9.

Zisman, William A., Washington, D. C., J. K. Wolfe, Bethesda, H. R. Baker, Mount Rainier, Md., and D. R. Spessard, United States Navy. Hydraulic fluid. 2,602,780, July 8.

Zitarosa, Michael, New York, N. Y. Bumper. 2,603,517, July 15.

Zito, George V., Jersey City, assignor to Bendix Aviation Corporation, Teterboro, N. J. Circuit protective device. 2,615,107, Oct. 21.

Zitzewitz, Arthur F., Chicago, Ill., assignor, by mesne assignments to Elastic Stop Nut Corporation of America, Union, N. J. Making short pins. 2,582,063, Jan. 8.

Ziuraitis, Antanas, Chicago, Ill. Illuminated compact. 2,598,153, May 27.

Ziv, Seymour R., Baltimore, Md. Chair having adjustable back rest, footrest, armrest, and tray. 2,606,596, Aug. 12.

Zivadinovic, Stevan D., Oxford, England. Apparatus for improving the reproduction of sound. 2,612,234, Sept. 30.

Zivny, Joseph C.: *See*—
Pellar, Fred, and Zivny.

Zmatlik, Josef, Brunn, M. Stary, Zilina, B. Piller, Varnsdorf, and J. Pinkava, Prague, assignors to Elite, Sdruzene tovarny puncoch, narodni podnik, Varnsdorf, and Zavody pre Chemicku Vyrobu, narodny podnik, Bratislava, Czechoslovakia. Device for drawing off artificial fibers from the spinneret, especially fibers spun from the molten mass. 2,595,044, Apr. 29.

Zmuda, Andrew W.: *See*—
Mitzelfeld, Thomas H., and Zmuda.

Znaidukas, John A., Philadelphia, Pa., assignor of one-half to T. P. Welsh. Antenna orientation control. 2,597,424, May 20.

Zobel, Otto J., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave filter. 2,623,120, Dec. 23.

Zodtner, Harlan H.: *See*—
Baker, Marlin S., and Zodtner.

Zodtner, Harlan H., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,587,949, Mar. 4.

Zoerlein, Emil, Dearborn, W. C. Vincent, and E. J. Luce, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Engine mount. 2,598,632, May 27.

Zöhrer, Max, assignor to Aktiengesellschaft R. & E. Huber, Schweizerische Kabel-, Draht-und Gummiwerke, Pfaffikon/Zurich, Switzerland. Pneumatic tire tread. 2,621,698, Dec. 16.

Zola, John C., Arcadia, Calif. Coating compositions and preparation therof. 2,591,904, Apr. 8.

Zolezzi, Mario: *See*—
Hicks, James M., and Zolezzi.

Zoller, Howard F., North Plainfield, N. J., assignor to Ethicon Suture Laboratories, Incorporated. Suture package. 2,617,523, Nov. 11.

Zollers, Samuel M., Haddonfield, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Radioactivly survey apparatus. 2,619,601, Nov. 25.

Zollinger, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Automatic water strainer. Re. 23,469, Mar. 4.

Zollinger, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Pressure vessel. 2,596,353, May 13.

Zollinger, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Door support for pressure vessels. 2,596,354, May 13.

Zollman, Leopold: *See*—
Kronhaus, Semen, and Zollman.

Zook, Richard M., Beverly Hills, Calif. Storage cabinet. 2,603,547, July 15.

Zoo-Mac, Inc., assignee: *See*—
Viviano, Thomas J.

Zopf, Oscar P. N., Oxnard, Calif. Portable collapsible conveyer. 2,590,359, Mar. 25.

Zoppelt, Samuel, Berea, assignor to Rop-Loc Products Co., Cleveland, Ohio. Adjustable supporting bar. 2,594,605, Apr. 29.

Zoradi, Elko D., assignor to Dant & Russell, Inc., Portland, Oreg. Method and apparatus for expanding perlite. 2,602,782, July 8.

Zoranovich, Alex J., San Mateo, Calif. Child's automobile chair. 2,605,811, Aug. 5.

Zoranovich, Alex J., San Mateo, Calif. Combination child's and adult's chair. 2,605,815, Aug. 5.

Zorgman, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Resilient support and centering arrangement for the electrodes of electric discharge tubes. 2,617,069, Nov. 4.

Zoss, Abraham O., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of form-stable, rubber-like polyvinyl N-butyl ethers. 2,609,364, Sept. 2.

Zoss, Abraham O., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of polymerized vinyl alkyl ethers. 2,616,879, Nov. 4.

Zschokke, Theodore O., Riverside, Calif. Casting apparatus. 2,618,832, Nov. 25.

Zschokke, Theodore O., Perris, and H. H. Chappell, Sunnymead, Calif. Miles per gallon indicator apparatus. 2,621,513, Dec. 16.

Zsolnai, Tibor: *See*—
Solway, Theodore A.

Zublenko, Joseph, Cleveland, Ohio. Apparatus for guiding hot metal stock. 2,613,559, Oct. 14.

Zublin, John A., Los Angeles, Calif. Apparatus for drilling lateral bores deviating from vertical well bores. 2,585,207, Feb. 12.

Zublin, John A., Los Angeles, Calif. Diamond drill bit for rotary well drilling. 2,614,809, Oct. 21.

Zublin, John A., Los Angeles, Calif. Apparatus for initiating the drilling of a deviating bore from an existing vertical well bore. 2,621,894, Dec. 16.

Züblin, Julius, Glarisegg-Steckborn, Switzerland. Atomizer. 2,621,971, Dec. 16.

Zuck, Nicholas, Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting apparatus. 2,609,875, Sept. 9.

Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Multiple spring anchor. 2,601,217, June 17.

Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ stop switching circuit. 2,601,218, June 17.

Zucker, Arthur A., assignee: *See*—
Schaefer, Edward E.

Zucker, Jacques, Zurich, Switzerland. Apparatus for carbonation of a liquid. 2,611,597, Sept. 23.

Zuckerman, Leonard: *See*—
Latham, Haverman P., Barch, Steele, and Zuckerman.

Zuckerman, Milton: *See*—
Caffier, Pierre L., and Zuckerman.

Zuckerman, Milton, Brooklyn, assignor to Timer Research Corp., New York, N. Y. Interval timer switch. 2,595,624, May 6.

Zuckerman, Robert: *See*—
Peal, Edward J., and Zuckerman.

Zuckerman, Samuel, assignee: *See*—
Ashby, Willie R.

Zuckerman, Samuel G., New York, N. Y. Micrometer. 2,613,445, Oct. 14.

Zückert, Richard, Chard, England, assignor of one-half to L. & C. Hardtmuth, Inc., Bloomsburg, N. J. Grinding mill. 2,589,917, Mar. 18.

Zuehlke, Carl W.: *See*—
Ballard, Albert E., Zuehlke, and Allen.

Zugaro, Sam and F. Pegnani, Powhatan Point, Ohio. Tire removing and replacing machine with a rotatable wheel support. 2,581,569, Jan. 8.

Zuhn, Arthur A., Peoria County, Ill. Continuous combustion type rotating combustion products generator and turbine. 2,612,021, Sept. 30.

Zuhn, Bernard M.: *See*—
Lind, Alvin C., and Zuhn.

Zuiderhoek, Otus E., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Machine for generating airfoil profiles. 2,622,371, Dec. 23.

Zukel, John W., Hamden, and W. D. Harris, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Plant growth regulants. 2,614,917, Oct. 21.

Zum Bahlen, Ralph E., Homewood, and L. H. Snyder, Lincolnwood, assignors to Stenographic Machines, Inc., Chicago, Ill. Ribbon reversing mechanism. 2,617,513, Nov. 11.

Zumbrunnen, Fritz, Zurich, Switzerland. Paint remover. 2,619,468, Nov. 25.

Zummach, Karl G., Mount Clemens, assignor to Briggs Manufacturing Company, Detroit, Mich. Lavatory and combined supporting bracket and towel rack therefor. 2,583,922, Jan. 29.

Zumstein, Paul M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Spindle or anvil attachment for a micrometer. 2,609,608, Sept. 9.

Zumwalt, Arlie I., assignor to ZeGCo Products Incorporated, Tulsa, Okla. Magnetic carriage. 2,596,322, May 13.

Zupa, Frank A.: *See*—
Knapp, Harry M., and Zupa.

Zuras, Frank M., St. Louis, Mo. Control unit for visual training devices. 2,588,191, Mar. 4.

Zurawski, Stanley T., Milwaukee, Wis. Adjustable holder for newspapers and the like. 2,616,618, Nov. 4.

Zurli, Gino, and A. De Regibus, Genoa, Italy. X-ray tube centering device for laminographic examinations. 2,623,180, Dec. 23.

Zurn, J. A., Manufacturing Company, assignee: *See*—
Schmid, John H.
Schmid, John H., Tansey, and Seigel.

Zvelbil, Salvador M., Sao Paulo, Brazil. Awning for doors, windows, and similar openings. 2,581,827, Jan. 8.

Zweifel, George E.: *See*—
Bookhultz, Donald H., and Zweifel.

Zweifel, George E., & Company, assignee: *See*—
Bookhultz, Donald H., and Zweifel.
Zweifel, George E., and Bookhultz.

Zweifel, George E., and D. H. Bookhultz, assignors to George E. Zweifel & Company, Portland, Oreg. Hydraulic slicer. 2,592,782, Apr. 15.

Zwemke, Herbert H., Kolin, Mont. Power-operated disk tiller. 2,601,818, July 1.

Zweyer, Andrew M., Los Angeles, Calif., assignor, by mesne assignments, to Zig Zag Spring Co. Wire-forming machine. 2,582,576, Jan. 15.

Zweygartt, Robert L.: *See*—
Pinsky, Jules, and Zweygartt.

Zwick, Frederick P., Seattle, Wash. Crankshaft grinder. 2,600,824, June 17.

Zwick, Walter, Huemoz sur Ollon, Switzerland. Infinitely variable gear. 2,608,871, Sept. 2.

Zwiebel, Norman: *See*—
Miller, Warren W., Turkevich, and Zwiebel.

Zwierzynski, Alex, Bronx, assignor to H. Hyman, New York, N. Y. Vest pocket flashlight, including electric system and lock subassembly. 2,591,112, Apr. 1.

Zwiesler, George J., Davisburg, Mich. Hand-operated oscillating and laterally moving cutter. 2,598,873, June 3.

Zwilgmeyer, Frithjof, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the quinopthalone series and their production. 2,592,370, Apr. 8.

Zwobada, René: *See*—
Touraton, Emile, and Zwobada.

Zworykin, Vladimir K., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Apparatus for indicia recognition. 2,616,983, Nov. 4.

Zwosta, Joseph M.: *See*—
Zwosta, Michael J. and J. M.

Zwosta, Michael J. and J. M., Brooklyn, N. Y. Cleaning and testing apparatus for beer dispensing systems. 2,583,982, Jan. 29.

Zybach, Frank L., Strasburg, Colo. Self-propelled sprinkling irrigating apparatus. 2,604,359, July 22.

Zygmunt, Anton, Oakland, Calif. Apparatus for attaching elastic bands to garments. 2,610,596, Sept. 16.

Zylstra, Paul, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency stabilizing apparatus. 2,600,288, June 10.

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LIST OF DESIGN PATENTEES

A. A. A. Furniture Co. Inc., assignee: *See*—
Giglio, John.
Abahazi, John, Jr., Lorain, Ohio. Stroller. 165,730, Jan. 29.
Abel, Frederick, Dayton, and R. Viemeister, Yellow Springs, assignors to The Huffman Manufacturing Company, Dayon, Ohio. Lawn mower. 167,129, July 1.
Aberer, Frank E.: *See*—
Talge, Henry J., and Aberer.
Aberney Corporation, assignee: *See*—
Berney, Harold J.
Abrams, George, Great Neck, N. Y. Mirror frame or the like. 168,325, Dec. 9.
Achard, Roger, assignor to Les Heritiers de Marie Brizard & Roger, Achard, Giotin & Cie, Bordeaux, France. Bottle. 165,893, Feb. 12.
Adamchels, Stanley, assignee: *See*—
Jackson, Claude.
Adams, Clyde F., Hattiesburg, Miss. Bowl. 168,283, Dec. 2.
Adams, Dolores, Nashville, Tenn. Greeting card. 166,236, Mar. 25.
Adams, Glenn T., Chicago, Ill. Helmet. 167,789, Sept. 23.
Adams, Glenn T., Chicago, Ill. Helmet. 167,790, Sept. 23.
Adams, Glenn T., Chicago, Ill. Helmet. 167,791, Sept. 23.
Adams, William E., Washington, D. C. Lamp or similar article. 166,839, May 27.
Adler, Morton S., Des Moines, Iowa. Knife holder. 165,894, Feb. 12.
Adler, Samuel E., Chicago, Ill. Combined television and radio-phonograph cabinet. 165,731, Jan. 29.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 165,814, Feb. 5.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination television, radio-phonograph, and beverage cabinet. 165,955, Feb. 19.
Adler, Samuel E., Chicago, Ill. Radio cabinet. 166,290, Apr. 1.
Adler, Samuel E., Chicago, Ill. Radio cabinet. 166,291, Apr. 1.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination television and radio-phonograph cabinet. 166,786, May 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Television cabinet control panel. 166,787, May 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 166,788, May 20.
Adler, Samuel E., and J. E. Vistain, Jr., Chicago, Ill. Record changer turntable unit. 166,371, Apr. 8.
Admiral Corporation, assignee: *See*—
Adler, Samuel E.
Advance Machine Company, assignee: *See*—
Pond, Harold J.
Agee, Charles W.: *See*—
Solomon, Ralph E., Shelton, and Agee.
Ahlbin, John, Fairfield, Conn. Pair of shears. 166,899, June 3.
Aktiebolaget Elektrolux, assignee: *See*—
Andersson-Sason, Karl E. S., and Brimberg.
Faith-Ell, Lars J., and Lindahl.
Aktiebolaget Separator, assignee: *See*—
Aller, Conrad F.
Akwel Corporation, assignee: *See*—
Shephard, Harry B.
Aladdin Industries, Incorporated, assignee: *See*—
Bramming, Carl.
Schwarz, Eugene.
Alba, Augusto, San Francisco, Calif. Collecting tray. 167,732, Sept. 16.
Albert, Alfred R., Chicago, Ill. Ash tray. 165,705, Jan. 22.
Alcore Novelty Company, assignee: *See*—
Pagliuca, Michael.
Alexander, Fred C., assignor to Universal-Rundle Corporation, New Castle, Pa. Combined water closet and flush tank. 166,840, May 27.
Alexander, Fred C., assignor to Universal-Rundle Corporation, New Castle, Pa. Combined water closet and flush tank. 167,130, July 1.
Allen, Grosvenor N., Oneida, M. P. Fleming, Fulton, and L. E. Ressegger, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 166,237, Mar. 25.
Allen, Herbert, assignor to Cameron Iron Works, Inc., Houston, Tex. Gear operator. 166,517, Apr. 22.
Allen, Perry E., Detroit, Mich. Automobile fender ornament. 168,326, Dec. 9.
Allen, Ruth B., Elizabeth, N. J. Child's diaper suit or similar article. 165,815, Feb. 5.
Aller, Conrad F., assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separator. 168,013, Oct. 28.
Allgeyer, Guy H., Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Electric roaster. 166,841, May 27.
Alliance Furniture Company, assignee: *See*—
Anderson, Stanley T.
Alper, James B., New York, N. Y. Combined tray and cup or similar article. 168,327, Dec. 9.
Alpert, Robert, Malone, N. Y. Bedroom slipper or similar article. 166,789, May 20.
Altemiller, Arthur D., Affton, Mo., assignor to Hercules Steel Products Corporation, Gallon, Ohio. Deep-fat fryer. 166,518, Apr. 22.
Altshul, Stern & Co., Inc., assignee: *See*—
Gerstle, Nelly.
Aluminum Goods Manufacturing Company, assignee: *See*—
Jagemann, Nicholas B.
Alvarez, Benjamin B., Mesilla, N. Mex. Combined clip and pencil holder. 168,491, Dec. 30.
Alweil, Murry, New York, N. Y. Dress. 165,816, Feb. 5.
Ambelian, Harold, New York, N. Y. Plywood bowl or similar article. 166,940, June 10.
Ambrose, Mary S., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 165,625, Jan. 8.
American Brake Shoe Company, assignee: *See*—
Kistler, Max W.
American Desk Manufacturing Company, assignee: *See*—
Brashear, Arthur P., Jr.
American Furniture Company, assignee: *See*—
Gershun, Merton L.
American Greetings Corporation, assignee: *See*—
Zel, Joe, and Latimer.
American Mat Corporation, assignee: *See*—
Moor, Dudley W., Jr.
American Optical Company, assignee: *See*—
Armbruster, John T.
Baratelli, Charles A.
Curry, Jerrold W.
Schumacher, Elmer L.
Schumacher, Elmer L., and De Angelis.
Splaine, Edward M.
American Radiator & Standard Sanitary Corporation, assignee: *See*—
Krafft, Kurt.
American Safety Razor Corporation, assignee: *See*—
Treiss, Herman G., Jr.
American Seating Company, assignee: *See*—
Harmon, Darell B.
American Textile Company, Inc., assignee: *See*—
Fogliano, Mario C.
Ammon, William H., Los Angeles, Calif. Nut cracker. 165,956, Feb. 19.
Andelenis, Speros P., Concord, N. H. House. 168,203, Nov. 18.
Anderson, Benard C., Kenosha, Wis. Open end wrench having a ball handle grip. 167,245, July 15.
Anderson, Henry S., Holden, Mass. Christmas tree. 165,732, Jan. 29.
Anderson, Hilbart F.: *See*—
Currie, Ray E., and Anderson.
Anderson, John W., and L. H. Kinsley, Jr., Philadelphia, Pa. Container capper. 167,493, Aug. 19.
Anderson, Leslie T.: *See*—
Bell, Terence F. P., Kember, and Anderson.
Anderson, Stanley T., assignor to Alliance Furniture Company, Jamestown, N. Y. Combination chest, writing desk, and extension table. 167,733, Sept. 16.
Anderson, W. E., Inc., assignee: *See*—
Webster, Raymond C.
Andersson-Sason, Karl E. S., and T. Brimberg, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Sprayer. 168,137, Nov. 11.
Andreef, Alexis D., assignee: *See*—
Guillon, Silas J.
Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Record changer. 167,187, July 8.
Andrews, Howard S., assignor to Oneida, Ltd., Oneida, N. Y. Dish or similar article. 167,294, July 22.
Andrews, Nickolas P., Chicago, Ill., assignor to Sinko Mfg. & Tool Co. Combination coin and cigarette holder. 166,015, Feb. 26.
Andrews, O. B., Company, assignee: *See*—
Pennebaker, Lewis C.
Andrews, Richard E.: *See*—
Miller, Herchael W., and Andrews.

Andrews, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Armrest. 168,434, Dec. 23.
Anemostat Corporation of America, assignee: *See*—
Kurth, Franz J.
Angel Novelty Company, assignee: *See*—
Mastrangelo, Alphonse.
Angeli, Amerigo, Milwaukee, Wis. Pad holder. 165,895, Feb. 12.
Annis, Sam, New York, N. Y. Bathing suit lining. 166,167, Mar. 18.
Anper, Inc., assignee: *See*—
Perugia, André.
Ansehl, Harry P., University City, Mo. Cosmetic jar. 167,921, Oct. 14.
Anthony, Howard E., assignor to Heath Company, Benton Harbor, Mich. Rotatable control knob. 166,292, Apr. 1.
Anthony, Milton R., and D. Calvacca, New York, N. Y. Blousette or similar article. 168,204, Nov. 18.
Apex Accessories Co., Inc., assignee: *See*—
Pinson, Alfred.
Apple, Edward M.: *See*—
Bowser, Earl C., and Apple.
Apple, Edward M., Grosse Pointe Woods, Mich. Fountain brush. 167,064, June 24.
Applebaum, Benjamin, Buffalo, N. Y. Telephone utility cabinet. 167,734, Sept. 16.
Appleton, Lou, New York, N. Y. Textile fabric or similar article of manufacture. 166,941, June 10.
Arcadia Metal Products, Inc., assignee: *See*—
Mason, Robert D.
Archer Plastics, Inc., assignee: *See*—
Genin, Robert I., and Stahl.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Pocket knife. 166,900, June 3.
Arditti, Leon A., New York, N. Y. Lamp base or like article. 167,018, June 17.
Argento, Josephine P., Chicago, Ill. Televiewing floor rest. 167,666, Sept. 9.
Arliss, Charles, New York, N. Y. Toy cradle. 167,295, July 22.
Armbrust Chain Company, assignee: *See*—
Jager, Christian F.
Armbrust, Gottlob, Providence, R. I. Ornamental chain. 168,014, Oct. 28.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Ophthalmoscope. 166,438, Apr. 15.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Head of a diagnostic instrument. 166,842, May 27.
Armstrong, Gordon, and J. W. Dorsak, assignors to The Gordon Armstrong Company, Inc., Cleveland, Ohio. Baby incubator. 168,136, Nov. 11.
Armstrong, Gordon, Company, Inc., The, assignee: *See*—
Armstrong, Gordon, and Dorsak.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Baustian, Raymond A., Barth, Burke, and Hantz.
Eloranta, Vaito K.
Mack, William.
Weiss, Alexander C.
Weiss, Alexander C. H., and Ehlers.
Aron, Morris, South Norwalk, Conn. Necktie display support or similar article. 166,060, Mar. 4.
Arrow Manufacturing Company, Incorporated, assignee: *See*—
Weill, Milton.
Art Metal Construction Company, assignee: *See*—
Jones, James R.
Ashway, Jerry N., Jenkintown, Pa. Child's compartmented dining tray. 167,735, Sept. 16.
Ateliers de Constructions Electriques de Charleroi (Societe Anonyme), assignee: *See*—
Stroobants, Pierre.
Atkins, Allen L., Chicago, Ill. Toy vacuum cleaner. 166,140, Mar. 11.
Atkinson, Herbert J., Sudbury, Mass. Transparent container for soluble crystals. 168,249, Nov. 25.
Atlas, Arthur, Leicester, England. Shoe. 168,435, Dec. 23.
Atlas Press Company, assignee: *See*—
Cole, Clayton K.
Auer, Betty, Chicago, Ill. Caster cup or similar article. 167,602, Sept. 2.
Auer, Betty, Chicago, Ill. Caster cup or similar article. 167,603, Sept. 2.
Auer, Betty, Chicago, Ill. Caster cup or similar article. 167,876, Sept. 30.
Auer, Betty, Chicago, Ill. Caster cup or similar article. 167,963, Oct. 21.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 165,896, Feb. 12.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 168,492, Dec. 30.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 168,493, Dec. 30.
Aurand Mfg. & Equip. Co., assignee: *See*—
Falls, John J.
Autoyre Company, The, assignee: *See*—
Simpson, Paul F.
Auzin, John M., Whitman, Mass. Toy figure. 166,016, Feb. 26.
Auzin, John M., Whitman, Mass. Pop-up figure toy or the like. 168,250, Nov. 25.
Avsco, Incorporated, assignee: *See*—
Ferguson, John E.
Axtell, Willard G., assignor to Shwayder Brothers, Inc., Denver, Colo. Catch for a luggage case or similar article. 167,384, Aug. 5.
Ayers, Fred L., Watertown, Mass. Shoe. 166,519, Apr. 22.
Ayers, Fred L., Watertown, Mass. Shoe. 166,520, Apr. 22.
Babany, Albert, Cairo, Egypt. Reversible drinking vessel. 167,667, Sept. 9.
Bacon, Harold A.: *See*—
Brooks, Albert E., Bacon, and Stark.
Badami, Anthony, Philadelphia, Pa. Roll holder. 166,439, Apr. 15.
Bagwell, Landrum E., Brevard, N. C. Combination bathroom unit. 166,061, Mar. 4.
Baler, Ludwig H., Hollis, assignor, by mesne assignments, to Fruit Products Corporation, New York, N. Y. Frozen confection. 166,293, Apr. 1.
Bailey, Kenneth R., Dearborn, Mich. Airplane. 166,843, May 27.
Bailey Meter Company, assignee: *See*—
Dickey, Paul S., and Wood.
Baird, William H., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. 168,390, Dec. 16.
Baldwin Company, The, assignee: *See*—
Millington, William, and Day.
Baldwin, Maurice F., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Automobile steering wheel. 167,604, Sept. 2.
Ballew, Lenna D., Chicago, Ill. Doll. 167,877, Oct. 7.
Balyozian, John C., Arlington, Mass. Electric lamp or similar article. 166,168, Mar. 18.
Bamford, Thomas, Detroit, Mich. Game board. 168,085, Nov. 4.
Bang, Ray, Brainerd, Minn. Food basket. 167,605, Sept. 2.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens housing. 167,296, July 22.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile bumper guard. 167,327, July 29.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobiles. 167,964, Oct. 21.
Banowetz, Michael W., assignee: *See*—
Harris, Olga D.
Bantam U. S. Toys, Inc., assignee: *See*—
Bonafide, Tesn.
Baratelli, Charles A., Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting or the like. 165,706, Jan. 22.
Baratelli, Charles A., assignor to American Optical Company, Southbridge, Mass. Case for spectacles or the like. 168,138, Nov. 11.
Barber-Colman Company, assignee: *See*—
Kennedy, Walter W.
Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.
Bargen, William J., Waukegan, Ill. School desk and seat frame. 165,733, Jan. 29.
Bargen, William J., Waukegan, Ill. Bookholder. 165,817, Feb. 5.
Barker Brothers Limited, assignee: *See*—
Wright, Alfred.
Barkwill, William N., New York, N. Y. Folding pocket comb. 167,246, July 15.
Barnett, Louis H., and H. Brin, assignors to Loma Plastics, Inc., Fort Worth, Tex. Paper towel and wax paper dispenser. 167,247, July 15.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 167,328, July 29.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 167,329, July 29.
Barofsky, Jack, Los Angeles, Calif. Combination piano and organ or similar article. 167,437, Aug. 12.
Barofsky, Jack, Los Angeles, Calif. Combination piano and organ or similar article. 167,438, Aug. 12.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 167,606, Sept. 2.
Barq, Ella M., assignor to Barq's Inc., Biloxi, Miss. Bottle. 166,017, Feb. 26.
Barq's Inc., assignee: *See*—
Barq, Ella M.
Barr, George, assignor of one-half to A. V. Smith, New York, N. Y. Stringed musical instrument. 167,494, Aug. 19.
Barrows, Hubert J., Denver, Colo. Combined sewing chest and pin cushion or the like. 167,821, Sept. 30.
Barth, Emile A.: *See*—
Baustian, Raymond A., Barth, Burke, and Hantz.
Bartner, Howard C.: *See*—
Bartner, Walter B. and H. C.
Bartner, Walter B. and H. C., Toms River, N. J. Puppet or the like. 165,897, Feb. 12.
Bartner, Walter B. and H. C., Toms River, N. J. Puppet. 166,942, June 10.

Bartner, Walter B. and H. C., Toms River, N. J. Puppet. 167,330, July 29.
Bartolucci, Frank, Jr., New York, N. Y. Liquid dispenser. 165,568, Jan. 1.
Barton, George L.: *See*—
Belpedio, Vincent S., and Barton.
Barton, Murray M., assignor to Injection Molding Company, Kansas City, Mo. Combined bottle and bottle cap. 165,734, Jan. 29.
Bassett, E. R., Corp., assignee: *See*—
Douglas, Mary S.
Bates, C. J., & Son, assignee: *See*—
Joslyn, Stuart S.
Bates, Clyde N., Rutland, Vt. Portable heavy-duty scale. 165,676, Jan. 15.
Bates, John J., Detroit, Mich. Artificial lure. 165,626, Jan. 8.
Batkin, Stanley I., New Rochelle, N. Y. Combined tree lighting set and case therefor. 165,677, Jan. 15.
Baum, Arthur H., New York, N. Y. Clothes hamper. 167,965, Oct. 21.
Baumann, Charles F., Oakland, and V. Schultz, San Leandro, Calif. Santa Claus windmill toy. 165,957, Feb. 19.
Baumann, Lewis A., Thor, Iowa. Toy elevator. 167,552, Aug. 26.
Baumgardner, Versal F., Celina, Ohio. Pavement repairing machine. 166,169, Mar. 18.
Bausch & Lomb Optical Company, assignee: *See*—
Blum, Albert H.
Filsinger, Robert S.
Gay, Fred G., Jr., and McCulloch.
Gerhardt, Robert V.
Hall, Leigh B.
Stegeman, Raymond F. E., and Gay.
Baustian, Raymond A., and E. A. Barth, York, Pa., H. E. Burke, Hempstead, N. Y., and B. F. Hantz, York, Pa., assignors to the United States of America as represented by the Secretary of the Army. Trunk locker. 168,205, Nov. 18.
Bayless, Ralph L., and E. G. Stout, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 165,735, Jan. 29.
Beaird, J. B., Company, The, assignee: *See*—
Beaird, James P.
Beaird, James P., assignor to The J. B. Beaird Company, Inc., Shreveport, La. Gas storage tank unit. 166,584, Apr. 29.
Beale, Dorr D., Minneapolis, Minn. Child's tricycle. 167,822, Sept. 30.
Beaver Pipe Tools, Inc., assignee: *See*—
Pealer, Robert B.
Bebinger, Charles N., New Philadelphia, Ohio, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Endless flexible element conveyer. 167,131, July 1.
Beck, George A., Manlius, N. Y., assignor to General Electric Company. Radio receiver. 166,294, Apr. 1.
Beck, John A., Perkasie, Pa. Stocking. 166,943, June 10.
Becker, Charles H., assignor to Ironwood Trailer Coaches, Inc., Ironwood, Mich. Trailer. 166,844, May 27.
Becker, Otto, Sarrebruck, Saar. Metal desk. 167,248, July 15.
Becker, Otto, Sarrebruck, Territory of Saar. Tubular lounge chair frame. 167,607, Sept. 2.
Becker, Otto, Sarrebruck, Territory of Saar. Tubular metal arm chair. 167,608, Sept. 2.
Beckman, George O., assignor to Super Mold Corporation of California, Lodi, Calif. Tire. 168,494, Dec. 30.
Beckman, William R., Chicago, and C. E. Crooks, assignors to Spotnails, Inc., Evanston, Ill. Stapling hammer or the like. 166,944, June 10.
Beckwith, James E., New York, N. Y. Candle lamp. 167,297, July 22.
Bedinger, Frank M., assignor to F. H. Noble & Company, Chicago, Ill. Jewelry box. 166,238, Mar. 25.
Bedinger, Frank M., assignor to F. H. Noble & Company, Chicago, Ill. Jewelry box. 167,668, Sept. 9.
Beene, Wade, Petersburg, Va. Auto insignia. 166,729, May 13.
Beene, Wade, Petersburg, Va. Auto insignia. 166,730, May 13.
Beerbaum, Helmut D.: *See*—
Lux, Frederick, and Beerbaum.
Beeson, Clement T.: *See*—
Spencer, Harlan L., and Beeson.
Behr, Siegfried, Flushing, N. Y. Hair holder. 167,553, Aug. 26.
Belgard, Austin B., Evanston, Ill. Spectacle front. 165,569, Jan. 1.
Bell & Howell Company, assignee: *See*—
Johnson, Elmer L.
Muller-Munk, Peter.
Reinecke, Jean O.
Bell, Joseph D., deceased, San Francisco, Calif.; P. B. Bell, administratrix of J. D. Bell. Lounge chair. 166,585, Apr. 29.
Bell, Nola H., Washington, D. C., and P. C. Rich, Arlington, Va. Canasta game board. 166,790, May 20.
Bell, Pearl B., administratrix: *See*—
Bell, Joseph D.
Bell, Terence F. P., Blackheath, R. C. Kember, Croydon, and L. T. Anderson, Bromley, assignors to Thorn Electrical Industries Limited, London, England. Lighting fixture. 167,669, Sept. 9.
Bellsey, David, New York, N. Y. Lady's coat. 166,141, Mar. 11.
Belpedio, Vincent S., Fairfield, and G. L. Barton, Bridgeport, Conn. Ash tray. 167,298, July 22.
Bendix Aviation Corporation, assignee: *See*—
Erskine, Donal G., Jr.
Wood, Louvan E.
Benedict, Gladys H., Denver, Colo. Display holder for lettering pens or similar articles. 168,391, Dec. 16.
Benetos, Emmanuel, Astoria, N. Y. Artificial flower bunny. 168,495, Dec. 30.
Benigni, Louis, Chicago, Ill. Lamp base. 166,656, May 6.
Benigni, Louis, Chicago, Ill. Lamp base. 166,657, May 6.
Bennett, Paul, Wilmette, Ill. Fish lure. 168,284, Dec. 2.
Benson, Haskell, Chicago, Ill. Flying toy. 166,440, Apr. 15.
Benua, Louis P.: *See*—
Fischer, Harry C., and Benua.
Benzel, Howard A., assignor to Scott Aviation Corporation, Lancaster, N. Y. Fluid pressure regulator. 167,385, Aug. 5.
Berdan, George D., assignee: *See*—
Johns, Dorothy.
Berger, C. L., & Sons, Inc., assignee: *See*—
Churgin, Leopold, and Grundberg.
Berger, Jacob, New York, N. Y. Convertible baby carriage or similar article. 167,331, July 29.
Bergier, Arnold H., New York, N. Y., assignor to Flex-Art Inc., Rutherford, N. J. Toy animal figure or the like. 168,015, Oct. 28.
Berglund, Clarence H., Minneapolis, Minn. Dairy products carrier. 167,670, Sept. 9.
Bergman, Otto, Upper Darby, assignor of one-half to W. F. Taylor, Philadelphia, Pa. Ash tray. 167,554, Aug. 26.
Bergstrom, Adolph G., assignor to Bergstrom Manufacturing Co., Rockford, Ill. Automotive heater housing. 168,251, Nov. 25.
Bergstrom Manufacturing Co., assignee: *See*—
Bergstrom, Adolph G.
Berkman, William L.: *See*—
Davis, John H., and Berkman.
Berman, Harry: *See*—
Errico, Vito, Berman, and Lofrese.
Berman, Harry, Bronx, V. Errico, New Hyde Park, and D. Lofrese, Bronx, N. Y. Spectacle front. 167,299, July 22.
Berman, Hymie D., Minneapolis, Minn. Toy clock. 166,239, Mar. 25.
Berman, Morton R., Brooklyn, N. Y. Toy paint set. 167,386, Aug. 5.
Bermudez, Jaime D. L., Mexico City, Mexico. Tablespoon or similar article. 168,016, Oct. 28.
Bernard Edward Co., assignee: *See*—
Klingberg, Arthur F.
Yellin, Bernard.
Yellin, Edward.
Bernard Edward Company, assignee: *See*—
Klingberg, Arthur F.
Berney, Harold J., Washington, D. C., assignor to Aberney Corporation, Bethesda, Md. Indoor television antenna. 167,966, Oct. 21.
Bernitt, Charles C.: *See*—
Mitchell, Curtis P., and Bernitt.
Bernstein, Milton, assignor to National Silver Company, New York, N. Y. Knife or similar article. 166,521, Apr. 22.
Berrie, Murray L., New York, N. Y. Package for jewelry findings and the like. 166,062, Mar. 4.
Berriman, Job, Sr., Jacksonville, Oreg. Combined ash tray and cigarette holder. 167,609, Sept. 2.
Bert, Malcolm C., Jr., Inglewood, Calif. Barbeque fork. 166,441, Apr. 15.
Berusch, Howard, assignor to Hoburt Hosiery Corporation, New York, N. Y. Stocking. 168,086, Nov. 4.
Berusch, Philip, assignor to Hoburt Hosiery Corporation, New York, N. Y. Stocking. 165,627, Jan. 8.
Bessolo, Joseph C., Glendale, Calif. License plate holder. 167,878, Oct. 7.
Bethesda Pastry Shops, Inc., assignee: *See*—
Patrick, Kenneth A.
Betner, Thomas E., Wayne, Pa. Coaster. 165,818, Feb. 5.
Better Packages, Inc., assignee: *See*—
Krueger, Theodore H.
Biehl, Frank A., Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y. Confection stick. 165,898, Feb. 12.
Biever, J. Donald, Inc., assignee: *See*—
Biever, James D.
Biever, James D., assignor to J. Donald Biever, Inc., Philadelphia, Pa. Educational toy. 166,791, May 20.
Biggs, Joseph V., Decatur, Ill. Holder for milk containers. 167,671, Sept. 9.
Bigley, Alfred V., Albany, N. Y. Deck of playing cards. 167,923, Oct. 14.
Big Square Corporation, assignee: *See*—
Currie, Ray E., and Anderson.
Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 166,522, Apr. 22.
Bingham, George H., Jr., Taneytown, Md. Boot. 166,945, June 10.
Bingham-Herbrand Corporation, The, assignee: *See*—
Greitzer, Jack J.

Birkestol, Harold K., Arlington, Wash. Necktie. 166,018, Feb. 26.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,019, Feb. 26.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,020, Feb. 26.
Birkestol, Harold K., Arlington, Wash. Necktie. 166,021, Feb. 26.
Birtman Electric Company, assignee: *See*— Karstadt, Clarence.
Bisharat, Victor H., Berkeley, Calif. Flower pot stand or similar article. 167,555, Aug. 26.
Bisharat, Victor H., Berkeley, Calif. Candelabrum. 167,924, Oct. 14.
Bishop, Katherine V., San Gabriel, Calif. Drawing crayon or similar article. 167,132, July 1.
Bishop, Stanley E., Cambridge, and N. J. Lissak, New Bedford, Mass. Shoe. 166,063, Mar. 4.
Bishop, Stephen H., Waban, Mass. Baby's seat. 165,899, Feb. 12.
Bjornerantz, Carl G., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Desk or similar article. 166,901, June 3.
Bjornstad, Olin: *See*— Grindstad, George M.
Black, Edward S., Chicago, Ill. Package dispenser. 168,206, Nov. 18.
Black, John M., assignor, by mesne assignments, to Superior Plastics Inc., Chicago, Ill. Multitray serving receptacle. 166,442, Apr. 15.
Black, John M., assignor to Superior Plastics Inc., Chicago, Ill. Multitray serving receptacle. 166,523, Apr. 22.
Black, John M., assignor to Superior Plastics Inc., Chicago, Ill. Wall plaque or similar article. 166,946, June 10.
Black, Robert B., Corpus Christi, Tex. Dental hand-piece. 165,958, Feb. 19.
Black, William H., Wellesley, Mass. Necktie holding rack or similar article. 168,328, Dec. 9.
Blackburn, Lester H., Burbank, Calif. Manicurist bowl. 167,672, Sept. 9.
Blair Manufacturing Company, assignee: *See*— McMaster, James K.
Blanc, Marinette, Hewlett, assignor to Dawnelle, Inc., New York, N. Y. Glove. 166,142, Mar. 11.
Bland Hosiery Mills, Inc., assignee: *See*— Curry, Percy S.
Blauvelt, Helen S., Montclair, N. J. Combined holder and perfume bottles. 165,900, Feb. 12.
Blauvelt, Helen S., Montclair, N. J. Cosmetic box. 167,922, Oct. 14.
Blazey, Lawrence E., Bay Village, assignor to Republic Steel Corporation, Cleveland, Ohio. Desk or similar article. 167,188, July 8.
Blazey, Lawrence E., Bay Village, assignor to Republic Steel Corporation, Cleveland, Ohio. Desk or similar article. 167,189, July 8.
Blazey, Lawrence E., Bay Village, and P. Vignos, Canton, assignors to Republic Steel Corporation, Cleveland, Ohio. Desk pedestal or similar article. 167,190, July 8.
Blazier, Arthur W., Montclair, N. J. Bird feeder. 165,628, Jan. 8.
Blecher, Boris, Philadelphia, Pa. Pocketknife. 166,064, Mar. 4.
Blecher, Boris, Philadelphia, Pa. Ash tray. 166,902, June 3.
Blecher, Boris, Philadelphia, Pa. Ash tray. 166,903, June 3.
Blecher, Boris, Philadelphia, Pa. Ash tray. 166,947, June 10.
Blecher, Boris, Philadelphia, Pa. Key ring tag. 167,387, Aug. 5.
Blecher, Boris, Philadelphia, Pa. Key ring tag. 167,388, Aug. 5.
Blepp, Theodore B., Fairview Park, Ohio. Baseball glove. 168,496, Dec. 30.
Bley, Llewellyn, Ridgefield Park, N. J., assignor to Llewellyn, Inc., New York, N. Y. Lady's handbag. 165,736, Jan. 29.
Bley, Llewellyn, Ridgefield Park, N. J., assignor to Llewellyn, Inc., New York, N. Y. Lady's handbag. 165,959, Feb. 19.
Blish, Matthew B., Oak Park, Ill. Edible container or similar article. 166,524, Apr. 22.
Bliss, Albert, Providence, R. I. Belt buckle. 167,823, Sept. 30.
Bliss, Charles O., Los Angeles, Calif. Cracker tray. 165,819, Feb. 5.
Bliss, Charles O., Los Angeles, Calif. Salad bowl. 165,960, Feb. 19.
Bliss, Charles O., Los Angeles, Calif. Gravy boat. 166,022, Feb. 26.
Bliss, Charles O., Los Angeles, Calif. Salad plate. 166,065, Mar. 4.
Bliss, Charles O., Los Angeles, Calif. Seasoning shaker. 166,525, Apr. 22.
Bliss, Charles O., Los Angeles, Calif. Sugar bowl. 166,586, Apr. 29.
Bliss, Charles O., Los Angeles, Calif. Cream pitcher. 166,587, Apr. 29.
Bliss, Rose G., New York, N. Y. Scarf. 167,556, Aug. 26.
Bloch, Jack, assignor to Foster Grant Co., Leominster, Mass. Bowl or the like. 167,249, July 15.
Bloch, Jack, assignor to Foster Grant Co., Inc., Leominster, Mass. Front for sunglasses or the like. 167,495, Aug. 19.
Bloch, Jack, assignor to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 167,610, Sept. 2.
Bloch, Jack, assignor to Foster Grant Co. Inc., Leominster, Mass. Coin bank. 168,392, Dec. 16.
Block, Myron A., Shorewood, Wis. Toothbrush, toothpaste, and eyeglass pocket bracket. 166,143, Mar. 11.
Blod, Francis E., Tuckahoe, N. Y., and A. M. Blumenfeld, Hackensack, N. J., assignors to The Gruen Watch Company, Cincinnati, Ohio. Watch box. 166,295, Apr. 1.
Bloom, Wallace M., South Milwaukee, and A. J. Simmons, Plymouth, assignors to McGraw Electric Company, Milwaukee, Wis. Electric conduit supporting spacer. 165,901, Feb. 12.
Blum, Albert H., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Multilens magnifier. 166,170, Mar. 18.
Blum, Robert D., Jr.: *See*— Schwartz, Shepard B., and Blum.
Blum, Seymour, Brooklyn, N. Y. Figurine or the like. 167,442, Aug. 12.
Blum, Sidney, Forest Hills, N. Y., assignor to Oxwall Tool Co., Ltd., Oxford, N. J. Measuring tape. 168,329, Dec. 9.
Blumenfeld, Alfred M.: *See*— Blod, Francis E., and Blumenfeld.
Blumenthal, Alexander E., Pittsburgh, Pa. Lamp. 165,820, Feb. 5.
Blumenthal, Sidney, & Co., Inc., assignee: *See*— Todd, Juanita G.
Blunt, Royden A., Baltimore, Md. Bottle. 166,731, May 13.
Boak, Joseph W., assignee: *See*— Teuber, Max.
Bobo, Walton E.: *See*— Olson, Carl J., Bobo, and Hudson.
Bochner, Simon, Yonkers, assignor to Covington Fabrics Corporation, New York, N. Y. Fabric or the like. 165,629, Jan. 8.
Bochner, Simon, Yonkers, assignor to Covington Fabrics Corporation, New York, N. Y. Fabric or the like. 165,630, Jan. 8.
Bochner, Simon, Yonkers, assignor to Covington Fabrics Corporation, New York, N. Y. Fabric or the like. 166,171, Mar. 18.
Bodorff, John H., assignor to Rockford Textile Mills, Inc., Rockford, Ill. Slipper sock. 166,240, Mar. 25.
Boedeker, Edward W., Fort Wayne, Ind., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Stocking examination and repair form. 167,019, June 17.
Boedeker, Edward W., Fort Wayne, Ind., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Stocking examination and repair form. 167,332, July 29.
Boeing Airplane Company, assignee: *See*— Warnock, Samuel.
Bogdanovich, Sergei, Carmel, assignor to Well & Durrsé, Inc., New York, N. Y. Woven textile fabric. 167,389, Aug. 5.
Bogdanovich, Sergei, Carmel, assignor to Well & Durrsé, Inc., New York, N. Y. Woven textile fabric. 167,390, Aug. 5.
Bogema, Richard E., assignor to The Grav-I-Flo Corporation, Sturgis, Mich. Tumbling machine. 166,023, Feb. 26.
Bohanan, Manson O., Knoxville, Tenn. Door mat. 167,065, June 24.
Bohnenberger, Rudolph, New York, N. Y. Watch bracelet. 167,250, July 15.
Bolta Products Sales, Inc., assignee: *See*— Hogan, Daniel E., Jr.
Bombara, Carlo, Rosedale, N. Y. Combined bed headboard and chair unit. 167,191, July 8.
Bombara, Carlo, Rosedale, N. Y. Bed headboard. 167,192, July 8.
Bomb Shelter, Inc., assignee: *See*— Feld, Jacob.
Bonafide, Tesa, Port Chester, assignor to Bantam-U. S. Toys, Inc., New York, N. Y. Stuffed toy rabbit. 166,845, May 27.
Bonk, Clifford J.: *See*— Sloan, Laurence W., Sr., and Bonk.
Bookman, Harry, and E. E. Dalton, Los Angeles, Calif.; said Dalton assignor to said Bookman. Clothes hanger for automobiles or the like. 166,792, May 20.
Boos, Ralph H., Minneapolis, Minn. Combination whistle, article container, and compass case, or the like. 167,301, July 22.
Booth, Corwin, Oakland, M. Falk, San Mateo, and A. Christensen, assignors to Falk and Booth, San Francisco, Calif. Building. 167,557, Aug. 26.
Boots, William C., Rumford, R. I. Expansible chain for a wrist watch bracelet or the like. 166,372, Apr. 8.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible bracelet. 166,373, Apr. 8.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible chain for a bracelt or the like. 166,948, June 10.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible chain for a bracelet or the like. 168,207, Nov. 18.

Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible chain for a bracelet or the like. 168,208, Nov. 18.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible link chain for a wrist watch bracelet or the like. 168,252, Nov. 25.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible link chain for a bracelet or the like. 168,285, Dec. 2.
Bordner, Lee T., Los Angeles, Calif. Switch escutcheon. 167,333, July 29.
Borg-Warner Corporation, assignee: *See*— Koppel, Ernst R.
Borland, James H., Smithfield, R. I. Can opener or similar article. 167,251, July 15.
Borowitz, David, Chicago, Ill. Electric lamp base. 166,793, May 20.
Borowitz, David, Chicago, Ill. Electric lamp base. 166,794, May 20.
Borowitz, David, Chicago, Ill. Electric lamp base. 166,846, May 27.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,020, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,021, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,022, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,023, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,024, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,025, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,026, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,133, July 1.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,134, July 1.
Borowitz, David, Chicago, Ill. Electric lamp base. 167,673, Sept. 9.
Boschin, Walter E., assignor to Glass Containers, Inc., San Francisco, Calif. Bottle or similar article. 166,066, Mar. 4.
Boss, Sidney M.: *See*— McLellan, Helen D., and Boss.
Boston Woven Hose and Rubber Company, assignee: *See*— McKay, Hunter B.
Bourcart, Emile A., New York, N. Y. Jewelry case or similar article. 168,393, Dec. 16.
Bourke, Robert E., assignor to The Studebaker Corporation, South Bend, Ind. Steering wheel. 165,737, Jan. 29.
Bourne, Douglas, Dubois, Pa., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,067, Mar. 4.
Bowman, Mark L., assignor to International Oil Burner Co., St. Louis, Mo. Chimney. 167,736, Sept. 16.
Braatz, Clarence W., assignor to Durant Manufacturing Co., Milwaukee, Wis. Desk tally. 168,017, Oct. 28.
Bradley Manufacturing Company, assignee: *See*— Borowitz, David.
Brady, Francis J., Goulds, Fla. Back rest. 168,139, Nov. 11.
Brahm, Johannes, Los Angeles, Calif. Combined bowl and cover. 165,821, Feb. 5.
Bramming, Carl, Nashville, Tenn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Reflecting mantle lantern. 166,241, Mar. 25.
Brand, Hyman, and I. Kurtz, Brooklyn, N. Y. Head covering. 166,068, Mar. 4.
Brandenburger, Russell E., Sr., Shelbyville, Ind. Combined cabinet and couch. 165,571, Jan. 1.
Branson, John C. S., Harborne, Birmingham, England. Telephone rest. 167,674, Sept. 9.
Brashear, Arthur P., Jr., assignor to American Desk Manufacturing Company, Temple, Tex. Desk. 167,611, Sept. 2.
Braun, Arthur C., Maplewood, N. J. Necktie holder. 167,391, Aug. 5.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Shoe or similar article. 166,024, Feb. 26.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Sandal or similar article. 166,025, Feb. 26.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Sandal or similar article. 167,737, Sept. 16.
Breen, Frederick M., Westchester, assignor to Coty, Inc., New York, N. Y. Toilet preparation holder or similar article. 168,330, Dec. 9.
Breer, Raymond J.: *See*— Pennock, Robert L., Jr., and Breer.
Bregent, Edmond, Montreal, Quebec, Canada. Figurine. 165,631, Jan. 8.
Breitenstein, Charles T., assignor to R. T. Moloney, Chicago, Ill. Housing for bowling games and the like. 165,961, Feb. 19.
Brenner, Simon H., Wooster, Ohio. Man's shorts or similar article. 165,902, Feb. 12.
Bridgeport Brass Company, assignee: *See*— Hampshire, John C.
Bridges, Thomas A., Jersey City, N. J. Protective suit. 166,904, June 3.
Briggs, Helen, North Attleboro, Mass., assignor to Evans Case Co. Ash tray or similar article. 166,847, May 27.
Bright, George C., Tucson, Ariz. Map holder or similar article. 166,795, May 20.
Brill, Allan, Cicero, Ill. Bunk bed. 166,796, May 20.
Brimberg, Torsten: *See*— Andersson-Sason, Karl E. S., and Brimberg.
Brin, Harris: *See*— Barnett, Louis H., and Brin.
Brochstein, Isaac S., Houston, Tex. Light fixture. 165,738, Jan. 29.
Brock, Milton, Bayside, N. Y. Separable belt buckle. 167,439, Aug. 12.
Brock, Milton, Bayside, N. Y. Separable belt buckle. 167,440, Aug. 12.
Brock, Milton, Bayside, N. Y. Separable belt buckle. 167,441, Aug. 12.
Brodes, William S., New Haven, Conn. Game apparatus for the spelling of words. 166,949, June 10.
Brody, David, Clinton, and S. Coleman, Maynard, assignors to Van Brode Milling Co., Inc., Clinton, Mass. Combined windshield cleaner and coin receptacle. 166,588, Apr. 29.
Broil-Quik, Inc., assignee: *See*— Steinbook, Max.
Bronk, Fay E., Rochester, N. Y., and W. D. Teague, Annandale, N. J., assignors to Ritter Company, Inc., Rochester, N. Y. Combination dental and medical equipment stand. 167,252, July 15.
Bronson, Robert U., Eugene, Oreg. Game board. 167,066, June 24.
Brooks, Albert E., H. A. Bacon, and T. H. Stark, assignors to Electric Lighting, Inc., Stockton, Calif. Outdoor lighting fixture. 167,558, Aug. 26.
Brooks, John W., Syracuse, N. Y. Lighting fixture wall bracket. 166,296, Apr. 1.
Brooks, Natacha, New York, N. Y. Child's fork or similar article. 167,300, July 22.
Brown & Bigelow, assignee: *See*— Imsdahl, Allan J. Reiner, Donald A. Woofter, Cecil B.
Brown, Blake H., Roanoke, Va. Cigarette holding and dispensing device. 166,848, May 27.
Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Atomizer. 165,822, Feb. 5.
Brown, Frank P., Midlothian, and M. G. Marshall, Homewood, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car numbering sign. 167,792, Sept. 23.
Brown, Ray W., assignor to Densco, Incorporated, Denver, Colo. Dental handpiece. 168,286, Dec. 2.
Brown, Willard A., La Junta, Colo. Brooch or similar article. 165,632, Jan. 8.
Brozen, Edward, New York, N. Y. Alphabet for signs. 166,589, Apr. 29.
Bruce, Leo I., Framingham Center, Mass., assignor to General Electric Company. Clockcase. 166,026, Feb. 26.
Bruce, Leo I., Framingham Center, Mass., assignor to General Electric Company. Clockcase. 166,069, Mar. 4.
Bruce, Leo I., Framingham Center, Mass., assignor to General Electric Company. Clockcase. 166,297, Apr. 1.
Bruce, Leo I., Framingham Center, Mass., assignor to General Electric Company. Clockcase. 166,590, Apr. 29.
Bruce, Robert A., New Hyde Park, N. Y. Eyeshade or similar article. 167,193, July 8.
Brunner, Samuel W., Flushing, N. Y. Plastic flowerpot cover or the like. 167,793, Sept. 23.
Bryant, Ruth, Alton, Ill. Pillow case. 166,950, June 10.
Bryce Brothers Company, assignee: *See*— Morrison, William P.
Buchanan, Audrey E., Pico, Calif Garment hanger or the like. 167,302, July 22.
Buchanan, Barney L., Hayward, Calif. Rack for pot holders. 167,879, Oct. 7.
Buckingham, John D., assignor to Virginia Parks, Inc., Chicago, Ill. Bottle or similar article. 166,526, Apr. 22.
Buda Company, The, assignee: *See*— Rideout, John G.
Budlane, Stanley J., Palatine, and R. Dusek, Cicero, assignors to Dulane, Inc., River Grove, Ill. Coffee maker. 167,794, Sept. 23.
Budlong, Robert D., Skokie, Ill. Record player. 166,070, Mar. 4.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Combination clock and radio receiver cabinet. 167,194, July 8.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Clock radio. 167,253, July 15.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 167,612, Sept. 2.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Portable radio cabinet. 167,613, Sept. 2.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 167,614, Sept. 2.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio receiver cabinet. 167,615, Sept. 2.

Buehler, Carl, Palatine, assignor to Victor Adding Machine Co., Chicago, Ill. Combined drafting board, reference table and cabinet. 165,707, Jan. 22.

Buehler, Christian C., assignee: *See*—
Herst, Richard J.

Buell, Marjorie D., Englewood, Colo. Table. 167,195, July 8.

Buford, William J., Houston, Tex. Shirt. 166,797, May 20.

Bulova, Ardé, assignor to Bulova Watch Company, Inc., New York, N. Y. Watch. 168,209, Nov. 18.

Bulova Watch Company, Inc., assignee: *See*—
Bulova, Ardé.

Bundy, William C., Los Angeles, Calif. Brooch or the like. 168,210, Nov. 18.

Bungert, Heinrich, assignor to G. M. Pfaff A. G., Kaiserslautern, Germany. Sewing machine. 168,331, Dec. 9.

Bunting Glider Company, assignee: *See*—
Goldberg, Aaron S.
Goldberg, Harry H.
Pearlstine, Morton.

Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Chair. 167,196, July 8.

Burdick, Richard, Dallas, Tex. Push bar for store doors. 165,633, Jan. 8.

Bureau, Benoni, Elmhurst, N. Y. Knife or similar article. 166,172, Mar. 18.

Burgess, Donald V., Cut Bank, Mont. Ash tray. 165,572, Jan. 1.

Burgess, Robert W., Bridgeport, assignor to The Greist Manufacturing Company, New Haven, Conn. Case for sewing-machine attachments or the like. 168,287, Dec. 2.

Burke, Hugh E.: *See*—
Baustian, Raymond A., Barth, Burke, and Hantz.

Burlington Mills Corporation, assignee: *See*—
Poole, Lewis.

Burne, Douglas, Dubois, Pa., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 165,570, Jan. 1.

Burnett, Frank R., Downey, I. E. Schmidke, South Gate, and G. Pelletier, Wilmar, Calif.; said Pelletier assignor to said Burnett and Schmidke, jointly. Fishing rod carrier for automobiles. 167,967, Oct. 21.

Burroughs Adding Machine Company, assignee: *See*—
Cannon, Benjamin B.
Wockenfuss, William.

Burrows, Lewis M., North Quincy, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Valve or similar article. 166,173, Mar. 18.

Burton, Alexander R., Gloucester, Mass. Salt shaker. 167,135, July 1.

Burton, Eugene W., Los Angeles, Calif. Game board. 168,211, Nov. 18.

Burton, Robert O., Chicago, Ill. Table lamp base. 167,559, Aug. 26.

Butterworth, Norman F., Utica, N. Y. Game board. 166,798, May 20.

Butzko, Robert L., Bridegport, Conn. Toy railroad station. 166,071, Mar. 4.

Buzasi, Eugene, Sunnyside, assignor to S. Hering, New York, N. Y. Hair curler or similar article. 166,443, Apr. 15.

Byrd, James C., Lakeland, Fla. Pitcher. 166,527, Apr. 22.

Cabbage Patch Circle, assignee: *See*—
La Vielle, Marion N., and Heller.

Caddel, Harold O., Richmond, Calif. Combined coaster, ash tray, and cigarette snuffer or similar article. 167,334, July 29.

Caird, Peter, Santa Rosa, Calif. Fire hose nozzle. 167,067, June 24.

Calhoun, Jack A., assignor to Skycraft Mfg. Corp., Long Beach, Calif. Toy airplane. 168,497, Dec. 30.

California Underwear Company, Inc., assignee: *See*—
Seny, Ollie A.

Calvacca, Dorothy: *See*—
Anthony, Milton R., and Calvacca.

Cameron, Donald A., Cranston, R. I. Self-service display container. 168,288, Dec. 2.

Cameron, Ewan, Jr., Clinton, Mass. Flashlight casing. 167,925, Oct. 14.

Cameron Iron Works, Inc., assignee: *See*—
Allen, Herbert.

Camfield Manufacturing Company, assignee: *See*—
Florian, Gordon W.

Campbell, A. S., Company, assignee: *See*—
McLeod, Charles A.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,903, Feb. 12.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,904, Feb. 12.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,905, Feb. 12.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 165,906, Feb. 12.

Campbell, Walter L., St. Petersburg, Fla. Bench. 167,738, Sept. 16.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Despres, Urban H.
Randall, Walter H.

Candee, George W., Buena Park, Calif. Spoon holder. 166,849, May 27.

Candlin, James E., Jr., Flossmoor, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle roof. 167,968, Oct. 21.

Cannella, Gaspari H., Brooklyn, N. Y. Bottled liquid dispensing unit. 168,332, Dec. 9.

Cannella, Steve, New York, N. Y. Combined boudoir cabinet and lamp. 167,137, July 1.

Cannon, Benjamin B., assignor to Burroughs Adding Machine Company, Detroit, Mich. Combined tray for holding rubber stamps or the like and support therefor. 168,140, Nov. 11.

Canonsburg Pottery Company, assignee: *See*—
Slobodkin, Simon H.

Cantor, Bernard N., assignee: *See*—
Moyer, Kenneth E.

Carey, Thomas F., Kensington, Md. Twin bed unit. 166,732, May 13.

Carissimi, Louis C., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Electric shaver case. 168,436, Dec. 23.

Carla Hosiery Co., assignee: *See*—
Scott, Charles A.

Carlson, Elmer F., Chicago, Ill. Display rack. 167,220, July 8.

Carpenter, Richard C., Oak Park, Ill. Deck of playing cards. 168,394, Dec. 16.

Carr-Lowrey Glass Co., assignee: *See*—
Funkey, John H.

Carr, William J., assignor to Heywood-Wakefield Company, Gardner, Mass. Dresser. 167,392, Aug. 5.

Carr, William J., assignor to Heywood-Wakefield Company, Gardner, Mass. Table. 167,739, Sept. 16.

Carré, Franck H., Van Nuys, Calif. Child's feeding spoon. 166,444, Apr. 15.

Carter, James H., Oakland, Calif. Combined brush and squeegee. 167,335, July 29.

Carter, Melville J., Chicago, Ill. Photographic flash unit. 166,850, May 27.

Carvel, Thomas, Hartsdale, N. Y. Combination cover and dispensing faucet. 167,443, Aug. 12.

Carver, Alice, assignor to Richard G. Krueger, Inc., New York, N. Y. Baby shoe. 166,733, May 13.

Casey, John D., Medina, N. Y. Weed cutter. 166,591, Apr. 29.

Casselberry, Wm. S., assignee: *See*—
Mytinger, Lee S.

Cassidy, Edward J., Muncie, Ind., assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 168,141, Nov. 11.

Castle, Everett B., Cheverly, Md. Fountain display device. 168,142, Nov. 11.

Castleton China Incorporated, assignee: *See*—
Costigan, Philip R.

Castorani, Francesco P., Exton, assignor to Quaker Lace Company, Philadelphia, Pa, Tablecloth. 166,374, Apr. 8.

Cattani, Gustave C., San Francisco, Calif. Ash tray. 167,136, July 1.

Cawthon, Edward H., Tampa, Fla. Combination seat and wall cabinet. 165,678, Jan. 15.

Cebulski, Edmund S.: *See*—
Parucki, Edward, and Cebulski.

Celotex Corporation, The, assignee: *See*—
Prisland, Theodore.

Cencer, Peter F., and F. Whiteman, assignors to F. M. Gidion, Detroit, Mich. Sewing machine. 165,823, Feb. 5.

Central Steel and Wire Company, assignee: *See*—
Slingerland, John H.

Chain Belt Company, assignee: *See*—
Longenecker, Charles I.

Chalmers, Burl E.: *See*—
Wallace, Earl C., and Chalmers.

Chamber of Commerce of Montgomery, assignee: *See*—
Ryan, Robert S.

Chambers Corporation, assignee: *See*—
Reed, Howard L.

Champion Plastics Corp., assignee: *See*—
Haines, Raymond.

Champion Spark Plug Company, assignee: *See*—
Vogel, Howard H., and Lentz.

Champion, William J., Mystic, Conn. Game board. 165,634, Jan. 8.

Champion, William J., Mystic, Conn. Game board. 165,739, Jan. 29.

Chancellor, Pearl M., Dallas, Tex. Combination pedicure table and footrest or similar article. 167,675, Sept. 9.

Chandler, Lola E., Dallas, Tex. Hospital tray. 166,734, May 13.

Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Compartmented plate. 166,735, May 13.

Chaplin Corporation, assignee: *See*—
Chaplin, Charles J.

Chapman, Dave: *See*—
Kdeber, Theodore H., Dales, and Chapman.

Chapman, Dave, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Showcase. 166,799, May 20.

Chapman, Earle F., South Braintree, Mass. Decorative chess horse lamp. 165,635, Jan. 8.

Chapman, John G.: *See*—
Roumm, Milton P., Gehring, and Chapman.

Chapman, Murdoch, Detroit, Mich. Measuring device. 167,496, Aug. 19.

Chappell, Eloise G., Dayton, Ohio. Handbag. 167,197, July 8.

Chase, Herbert S., New York, N. Y. Handbag. 165,573, Jan. 1.

Chase, Juanita, San Francisco, Calif. Figurine. 167,068, June 24.

Chehak, Fred E., Cedar Rapids, Iowa. Folding chair. 165,907, Feb. 12.

Chernow, Michael, New York, N. Y. Jewelry link for a necklace or similar article. 166,592, Apr. 29.

Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 167,795, Sept. 23.

Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 167,796, Sept. 23.

Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 168,437, Dec. 23.

Cherry, Frank M., Montebello, Calif. Carton holding pitcher. 167,254, July 15.

Cherry, Peter W., Milford, Conn., assignor to General Electric Company. Suction cleaner or similar article. 166,593, Apr. 29.

Cherry, Peter W., Monroe, Conn., assignor to General Electric Company. Suction cleaner or similar article. 166,594, Apr. 29.

Cherry, Peter W., Monroe, and C. N. Johnson, Stratford, Conn., assignors to General Electric Company. Suction cleaner. 165,636, Jan. 8.

Chiarelli, Paul P., Brooklyn, N. Y., assignor to Chicopee Mills, Inc. Textile fabric. 168,253, Nov. 25.

Chicago Coin Machine Co., assignee: *See*—
Koci, Jerry C.

Chicago Electric Manufacturing Company, assignee: *See*—
Pulliam, Dudley C.

Chicopee Mills, Inc., assignee: *See*—
Chiarelli, Paul P.
White, Edward, IV.

Chicorel, Albert, Detroit, Mich. Bug deflector. 167,676, Sept. 9.

Chiksan Company, assignee: *See*—
Warren, Doyle C.

Childers Manufacturing Co., assignee: *See*—
Childers, Robert A., and Miller.

Childers, Robert A. and C. C. Miller, assignors to Childers Manufacturing Co., Houston, Tex. Metal awning. 166,736, May 13.

Childers, Robert A. and C. C. Miller, assignors to Childers Manufacturing Co., Houston, Tex. Metal door hood. 166,737, May 13.

Chilson, Albert L., Doylestown, Pa. Lady's stocking. 167,969, Oct. 21.

Chipman, Richmond L., Jr., Montclair, N. J., assignor of twenty-five per cent to M. Schaffer and twenty-five per cent to H. Schaffer, New York, N. Y., and twenty-five per cent to A. Schaunder and twenty-five per cent to R. Schaunder, East Orange, N. J. Ring box or similar article. 166,298, Apr. 1.

Christensen, Alfred: *See*—
Booth, Corwin, Falk, and Christensen.

Christy, Lee, Kansas City, Mo. Lamp. 166,951, June 10.

Chrysler Corporation, assignee: *See*—
Baldwin, Maurice F.
Bannister, Harry T.
Exner, Virgil M.
Halbeisen, John F.
Keane, Henry J.
King, Henry T.
Mawhinney, Melvin C.
Pilkey, Harold W.
Reynolds, Frederick.
Scott, David E.

Churgin, Leopold, New York, N. Y., and D. N. Grundberg, Stoneham, assignors to C. L. Berger & Sons, Inc., Boston, Mass. Surveying instrument. 167,926, Oct. 14.

Churgin, Leopold, New York, N. Y., and D. N. Grundberg, Stoneham, assignors to C. L. Berger & Sons, Inc., Boston, Mass. Surveying instrument. 168,254, Nov. 25.

Ciampa, Lincoln L.: *See*—
Martial, Jacques, and Ciampa.

Clechelli, Joseph C., Providence, R. I. Chair. 168,212, Nov. 18.

City and County of Denver, The, assignee: *See*—
Freiberger, Curt.

City National Bank and Trust Company, administrator: *See*—
Gemmill, Clark H.

Clare, George, Maplewood, N. J. Icicle highball stirrer and cocktail pick. 167,616, Sept. 2.

Clark, Edith J., assignee: *See*—
Salmon, Berle B.

Clark, Fred S., New York, N. Y. Clothespin. 165,679, Jan. 15.

Clark, Janet H., Pasadena, Calif. Eyeglass holder. 165,708, Jan. 22.

Clark, William L. M., Clayton, Mo. Pillowcase. 167,255, July 15.

Clarke, Warren H., assignor to Kalex Corporation, New York, N. Y. World clock. 166,952, June 10.

Clarke, William B., Sewickley, Pa. Golf club cart. 166,953, June 10.

Clauss, Guido, Elizabethtown, Pa. Stocking. 167,444, Aug. 12.

Clauss, Robert W., Riverdale, N. Y. Toy disk gun. 166,738, May 13.

Cleary, Gerard B., St. Louis, Mo. Desk penholder. 165,908, Feb. 12.

Cleese, John P., Jr., San Francisco, Calif. Sofa. 168,498, Dec. 30.

Clewlow, Geoffrey G., Huntington, assignor to Gyrodyne Company of America, Inc., Flowerfield, N. Y. Cargo-carrying rotary wing aircraft and the like. 166,851, May 27.

Cline, Inez E., Battle Creek, Mich. Game board. 166,144, Mar. 11.

Coates, Sydney N., Seattle, Wash. Draftsman's instrument. 166,905, June 3.

Cobblers Incorporated, assignee: *See*—
Braun, Walter.

Coble, Ernest L., East Cleveland, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio. Support for a container or the like. 168,333, Dec. 9.

Cohen, Charles J., Bronx, N. Y. Portable clothesline and reel unit. 167,617, Sept. 2.

Cohen, Harry, Dallas, Tex. Valet stand or similar article. 166,658, May 6.

Cohen, Maurice, Miami, Fla. Garment display rack. 168,143, Nov. 11.

Cohn, Gustav, New York, N. Y. Slipper. 165,962, Feb. 19.

Cohn, Gustav, New York, N. Y. Slipper. 165,963, Feb. 19.

Cohn, Herman M., Rochester, N. Y. Display stand. 167,927, Oct. 14.

Cohn, Leonard R., New York, N. Y. Detachable slide dental mirror. 168,018, Oct. 28.

Cole, Clayton K., assignor to Atlas Press Company, Kalamazoo, Mich. Lawn mower handle. 166,375, Apr. 8.

Cole, Helen D., New York, N. Y. Table stand or similar article. 166,528, Apr. 22.

Coleman, Sidney: *See*—
Brody, David, and Coleman.

Coller, Seymour, Brooklyn, N. Y. Combined bathroom ash tray and supporting bracket therefor. 168,213, Nov. 18.

Collins, Harry J., assignor to David White Company, Milwaukee, Wis. Stereoscopic viewer. 166,906, June 3.

Collins, Harry J., assignor to David White Company, Milwaukee, Wis. Stereoscopic viewer. 166,907, June 3.

Collins, Oswald W., Jacksonville, Fla. Juice dispenser. 165,824, Feb. 5.

Collins Radio Company, assignee: *See*—
Couillard, Luther W.

Collura, Francesco, New York, N. Y., assignor to Steam Electric Products Limited, Toronto, Ontario, Canada. Electric iron. 165,909, Feb. 12.

Colombo, Grace J., assignor to Hanes Hosiery, Inc., New York, N. Y. Hosiery display rack or similar article. 167,824, Sept. 30.

Colotti, Rocco A., assignor to Victor Industries Corporation, Brooklyn, N. Y. Cosmetic container. 166,659, May 6.

Columbus Plastic Products, Inc., assignee: *See*—
Roop, Nathan W.

Commonwealth Shoe and Leather Company, assignee: *See*—
Otterberg, Herbert C., and Jones.

"Cona" Ltd., assignee: *See*—
Games, Abram.

Conant, Wallace B., Concord, Mass. Font of type. 166,529, Apr. 22.

Condé, Joseph, New York, N. Y. Flexible plastic brassière or the like. 167,497, Aug. 19.

Coners, Thomas E.: *See*—
Morris, Curtis T., and Coners.

Confection Cabinet Corporation, assignee: *See*—
Margulies, Walter P., Covey, and Tiffany.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase. 166,242, Mar. 25.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,445, Apr. 15.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,446, Apr. 15.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,447, Apr. 15.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,448, Apr. 15.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,449, Apr. 15.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,450, Apr. 15.

Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,451, Apr. 15.
Conover, Helen, Chicago, assignor to The Haeger Potteries, Inc., Dundee, Ill. Vase or similar article. 166,452, Apr. 15.
Conroy, Edward J., Meriden, Conn. Spoon or other article of flatware. 167,970, Oct. 21.
Consolidated Molded Products Corporation, assignee: *See*—
Jones, William T.
Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bayless, Ralph L., and Stout.
Contadino, Emil A., Cincinnati, Ohio. Auxiliary child's seat or the like. 168,334, Dec. 9.
Continental Art Company, assignee: *See*—
Lindner, John W.
Continental Can Company, Inc., assignee: *See*—
Diamond, Freda.
Continental Silver Co. Inc., assignee: *See*—
Gruen, Robert L.
Coogan, Henry P.: *See*—
La Bue, Seraphina C., and Coogan.
Cook, Earl F., Marblehead, Mass. Cradle for wine bottles. 166,145, Mar. 11.
Cook, John M., Jr., Dallas, Tex. Double washing machine. 167,445, Aug. 12.
Cook-Waite Laboratories, Inc., assignee: *See*—
Lee, James W.
Cooper, Benjamin, New York, and S. A. Kroll, Brooklyn, N. Y.; said Kroll assignor to said Cooper. Toll station or similar article. 168,144, Nov. 11.
Cooper, Eugene W., San Francisco, Calif. Fish lure. 168,087, Nov. 4.
Cooper, Sidney T., Plainview, Tex. Playing unit for game tables or similar articles. 165,740, Jan. 29.
Coran, Daniel W., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Control knob. 167,618, Sept. 2.
Coran, Daniel W., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Control knob. 167,619, Sept. 2.
Corbett, Joseph R., assignor to Nu Tone, Inc., Cincinnati, Ohio. Ceiling ventilator for heating and air conditioning. 166,299, Apr. 1.
Corning Glass Works, assignee: *See*—
Goldman, Lee.
Horne, Willard R.
Jezowski, Zosia.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Corsi, Telemaco, and E. Palamidessi, Rome, Italy. Camera or similar article. 168,088, Nov. 4.
Corwin, Alfred W., Princeton, Ill. Electric fan. 167,740, Sept. 16.
Cosby, Eric L. H., London, England. Stirring spoon. 168,335, Dec. 9.
Cosby, Eric L. H., London, England. Toilet comb. 168,395, Dec. 16.
Costas, Samuel G., Fond du Lac, Wis. Portable illuminable direction sign. 166,800, May 20.
Costenbader, Wilbert W., Wyomissing, Pa. Game board. 167,971, Oct. 21.
Costigan, Philip R., Hamburg, Pa., assignor to Castleton China Incorporated, New York, N. Y. Plate or the like. 165,741, Jan. 29.
Coty, Inc., assignee: *See*—
Breen, Frederick M.
Couillard, Luther W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radio panel. 168,214, Nov. 18.
Cournoyer, Anne W., Medford, Mass. Combined hair curler and comb. 167,560, Aug. 26.
Couse, Kibbey W., Newark, N. J. Mobile repair shop. 166,530, Apr. 22.
Coventry Ware, Inc., assignee: *See*—
Hasenstab, Bernhard.
Covey, Laird F.: *See*—
Kilburg, Gene, Covey, and Lippincott.
Margulies, Walter P., Covey, and Tiffany.
Covington Fabrics Corporation, assignee: *See*—
Bochner, Simon.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. 165,680, Jan. 15.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Sugar bowl. 165,825, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cover for sugar bowl. 165,826, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cream pitcher. 165,827, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Tea pot. 165,828, Feb. 5.
Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cup. 167,741, Sept. 16.
Coward, Samuel H., Jr., Jacksonville, Fla., assignor to Liberty Glass Company, Sapulpa, Okla. Mailbox. 167,928, Oct. 14.
Cramer, Willis B., assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Toilet bowl. 168,019, Oct. 28.
Crane, Paul T., New York, N. Y. Plant receptacle. 165,709, Jan. 22.
Crane, Walton B., Beverly Hills, assignor to Max Factor & Co., Los Angeles, Calif. Container for nail polish or the like. 165,964, Feb. 19.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Flash holder for photographic cameras. 167,027, June 17.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Box camera. 167,256, July 15.
Crawford, Herman E., Kernersville, N. C. Lady's sock. 165,910, Feb. 12.
Crawford, Ralph W.: *See*—
Sly, Leslie W., Fisher, Crawford, and Doe.
Crawford, Ralph W., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Trundle toy. 168,396, Dec. 16.
Crawford, Ralph W., and H. G. Fisher, assignors to Fisher-Price Toys, Inc., East Aurora, N. Y. Trundle toy. 168,336, Dec. 9.
Crawford, Wayland H., San Gabriel, Calif., assignor to Modern Village Stores, Inc. Check stand or similar article. 166,174, Mar. 18.
Creston Full Fashioned Hosiery Mills, Inc., assignee: *See*—
Nordman, Richard W.
Cribben and Sexton Company, assignee: *See*—
Nelson, James A., Kamin, and Wolske.
Crist, James J., Rockford, Ill. Set of game pieces. 166,243, Mar. 25.
Crooks, Charles E.: *See*—
Beckman, William R., and Crooks.
Crown Glass Corp., assignee: *See*—
Serlin, Harold E.
Cuccio, John D., assignor to The Studebaker Corporation, South Bend, Ind. Medallion. 166,453, Apr. 15.
Cuddy, Walter R., Douglaston, N. Y., assignor to Wm. Simpson, Sons & Co., Inc., Philadelphia, Pa. Textile fabric. 167,677, Sept. 9.
Cullison, Pauline M., San Francisco, Calif. Reservoir sponge. 167,620, Sept. 2.
Culver, Edwin R., Jr., assignor to Wrought Iron Range Company, St. Louis, Mo. Electric range. 165,742, Jan. 29.
Currie, Ray E., and H. F. Anderson, assignors to Big Square Corporation, Oakland, Calif. Patio table. 165,710, Jan. 22.
Curry, Cullen L., Mobile, Ala. Canister wall shelf unit. 167,972, Oct. 21.
Curry, Jerrold W., Thompson, Conn., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 166,027, Feb. 26.
Curry, Percy S., assignor to Bland Hosiery Mills, Inc., Bland Courthouse, Va. Stocking. 168,145, Nov. 11.
Curt, Carl L., Boulder, Colo. Holder for photographs or the like. 166,376, Apr. 8.
Curtis, Helene, Industries, Inc., assignee: *See*—
Vuillemenot, Robert.
Curtis, Philip C., Scottsdale, Ariz. Table. 166,300, Apr. 1.
Curtis, Philip C., Scottsdale, Ariz. Table. 166,377, Apr. 8.
Curtis, Philip C., Scottsdale, Ariz. Chair. 166,660, May 6.
Curtiss-Wright Corporation, assignee: *See*—
Davis, Frederic W.
Cusenbary, Daniel C., Cunningham, Kans. Combination feeder and oiler. 168,337, Dec. 9.
Cutler Corporation, assignee: *See*—
Spanel, Abraham N.
Daco Incorporated, assignee: *See*—
Lindgren, Robert F.
Dahlberg, Arnold R., assignor to The Dahlberg Company, Minneapolis, Minn. Radio cabinet. 167,742, Sept. 16.
Dahlberg Company, The, assignee: *See*—
Dahlberg, Arnold R.
Dailey, Donald, Center Township, Vanderburgh County, and C. D. Dushek, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Refrigerator door handle. 167,561, Aug. 26.
Dailey, Donald E., Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 167,825, Sept. 30.
Dairy Queen National Trade Association Incorporated, assignee: *See*—
Lind, Carl J.
Daisy Manufacturing Company, assignee: *See*—
Wesley, Robert O.
Dales, Benton: *See*—
Koeber, Theodore H., Dales, and Chapman.
Dallanis, George, Wappingers Falls, N. Y. Pocket pruning knife. 167,498, Aug. 19.
Dalton, Elof E.: *See*—
Bookman, Harry, and Dalton.
Daniel, Frederick K., Kew Gardens, N. Y. Flow gauge. 165,965, Feb. 19.
Daniels, Israel, Flushing, N. Y. Bracelet or similar article. 166,531, Apr. 22.
Dannecker, Rudolph, New York, N. Y. Embroidered fabric. 166,175, Mar. 18.
Dannecker, Rudolph, New York, N. Y. Embroidered fabric. 166,176, Mar. 18.
Dannenberg, Milton A., assignor to Silberman Fur Corporation, Chicago, Ill. Hat. 167,303, July 22.
Daugull, Mary, Chicago, Ill. Drapery hanger. 166,378, Apr. 8.

Daum, Warren: *See*—
Offutt, Glenn, and Daum.
David, Mario T., Los Angeles, Calif. Serving tongs. 168,289, Dec. 2.
Davidhazy, Frank C., Grand Rapids, Mich. Clock. 166,244, Mar. 25.
Davidson, Christopher, assignor to John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich. Combination hose and slipper-sole assembly. 166,801, May 20.
Davidson, John B., Woolen Mills, Inc., assignee: *See*—
Davidson, Christopher.
Davis, Arthur F.: *See*—
Sedberry, Thomas D., and Davis.
Davis, Cecil H., Springfield, Ill. Outdoor signboard. 168,438, Dec. 23.
Davis, Charles J.: *See*—
Michaels, John I., Loesch, Haddock, and Davis.
Davis, Frederic W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Flight trainer hood. 165,966, Feb. 19.
Davis, Jack: *See*—
Davis, Stella and J.
Davis, Joe L., Jr., Magnolia, Ark. Combined can and bottle opener, scaler, and screw driver. 168,020, Oct. 28.
Davis, John H., Garland, and W. L. Berkmam, Georgetown, Tex. Tray for posting machines or the like. 167,393, Aug. 5.
Davis, Stella and J., London, England. Plate. 167,069, June 24.
Davis, Stella and J., London, England. Plate. 167,070, June 24.
Davis, Stella and J., London, England. Plate. 167,071, June 24.
Dawnelle, Inc., assignee: *See*—
Blanc, Marinette.
Day, Fred N., Missoula, Mont. Scriber. 165,967, Feb. 19.
Day, Wilbur M.: *See*—
Millington, William, and Day.
Dazor Manufacturing Corp., assignee: *See*—
Lordo, Alphonse.
De Angelis, Armand: *See*—
Schumacher, Elmer L., and De Angelis.
Dearborn Stove Company, assignee: *See*—
Robra, Walter R.
De Berg, Aida A., Antigua, Guatemala. Decorative candle. 166,802, May 20.
De Cicco, John, Valley Stream, N. Y. Toy antiaircraft gun. 166,379, Apr. 8.
Decorative Textiles, Inc., assignee: *See*—
Scher, Daniel.
De Grace, Peter, West Gardena, Calif. Wax paper dispenser. 166,804, May 20.
De Hymel, Jean, Pasadena, Calif. Infant feeding spoon. 168,021, Oct. 28.
De Kiszely, Julius, New York, N. Y. Combined handbag and umbrella holder or similar article. 168,146, Nov. 11.
De Lano, Artus D., assignee: *See*—
Mark, Irving.
De Lano, Artus D., Battle Creek, Mich. Combination lamp and display device. 168,290, Dec. 2.
Delano, George W., Detroit, Mich. Belting or the like. 168,147, Nov. 11.
Del Conte, Edmund L.: *See*—
Del Conte, Mario B. and E. L.
Del Conte, Mario B., Brooklyn, and E. L. Del Conte, Richmond Hill, N. Y. Olive rack. 165,968, Feb. 19.
Del Conte, Mario B., Brooklyn, and E. L. Del Conte, Richmond Hill, N. Y. Olive rack. 165,969, Feb. 19.
Del Conte, Mario B., Brooklyn, and E. L. Del Conte, Richmond Hill, N. Y. Olive rack. 167,257, July 15.
Delman Corporation, The, assignee: *See*—
Neufeld, Leonard C.
Delzell, Harold W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 168,022, Oct. 28.
De Marsa, Valeria, Los Angeles, assignor to Triangle Studios, El Monte, Calif. Salt shaker or similar article. 167,304, July 22.
De Mille, Noel J., Glasgow, Scotland. Potato peeler or the like. 167,305, July 22.
Demorest, Leroy A., Ashley, Ohio. Cultivator shovel or similar article. 168,148, Nov. 11.
Denhof, William C., New York, N. Y. Soup skimmer. 167,678, Sept. 9.
Denison Engineering Company, The, assignee: *See*—
Gallant, James M., and Fees.
Dennerlein, William H.: *See*—
Schladermundt, Peter, and Dennerlein.
Dennis, William V., Jr., Atherton, assignor to Van Art, Inc., San Francisco, Calif. Blower for fireplace fire. 167,028, June 17.
Densco, Incorporated, assignee: *See*—
Brown, Ray W.
Denworth, Harry: *See*—
Shilin, Abe, and Denworth.
Derby Sealers, Incorporated, assignee: *See*—
Krueger, Alfred P.
De Roo, William C., assignor to Hart & Cooley Manufacturing Co., Holland, Mich. Register. 167,336, July 29.
De Roo, William C., assignor to Hart & Cooley Manufacturing Co., Holland, Mich. Register. 167,499, Aug. 19.
De Roo, William C., P. D. Winchester, and A. E. Kietzmann, assignors to Hart & Cooley Manufacturing Co., Holland, Mich. Register. 167,337, July 29.
De Sá Cardoso, Carlos E., Lisbon, Portugal. Nongurgling demijohn. 166,380, Apr. 8.
De Sá Cardoso, Carlos E., Lisbon, Portugal. Nongurgling bottle. 166,454, Apr. 15.
De Sherbinin, William N., Brookfield, Conn. Television lamp. 166,177, Mar. 18.
Despres, Urban H., Clinton, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, trustees. Cup. 165,711, Jan. 22.
Despres, Urban H., Clinton, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nulty, Portland, Maine, as trustees. Plate. 166,028, Feb. 26.
Despres, Urban H., Clinton, Maine. Packing flat. 166,455, Apr. 15.
Detroit Stamping Company, assignee: *See*—
Osius, Adolph P.
Detroit Steel Products Company, assignee: *See*—
Kelly, Clyde W.
Detzel, Jacob J., assignor to Kayware Corporation, Chicago, Ill. Baby feeding dish. 165,637, Jan. 8.
Development Research, Inc., assignee: *See*—
Soffer, Jack W.
De Vilbiss Company, The, assignee: *See*—
Sundberg, Carl W.
De Young, Jack, Grand Haven, Mich., T. Petersen, Skokie, and H. H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation. Combination phonograph, radio, and television receiver cabinet. 166,852, May 27.
Diamant, Fred J., New York, N. Y. Shoe or similar article. 167,500, Aug. 19.
Diamant, Fred J., New York, N. Y. Shoe or similar article. 167,501, Aug. 19.
Diamant, Fred J., New York, N. Y. Shoe or similar article. 167,502, Aug. 19.
Diamant, Fred J., New York, N. Y. Shoe or similar article. 167,503, Aug. 19.
Diamant, Fred J., New York, N. Y. Shoe or similar article. 167,504, Aug. 19.
Diamant, Fred J., New York, N. Y. Shoe or similar article. 167,505, Aug. 19.
Diamond, Freda, assignor to Continental Can Company, Inc., New York, N. Y. Metal canister or similar article. 168,291, Dec. 2.
Diamond Match Company, The, assignee: *See*—
Biehl, Frank A.
Dichesare, John S., Nevada City, Calif. Swing. 168,439, Dec. 23.
Dickey, Paul S., East Cleveland, and K. A. Wood, South Euclid, Ohio, assignors to Bailey Meter Company. Indicating instrument face. 166,245, Mar. 25.
Dickins, William R., Sr., Enterprise, Fla. Cigarette holder. 166,739, May 13.
Dictaphone Corporation, assignee: *See*—
Sherman, Ralph A., Jr.
Diebenkorn, Richard C., Atherton, assignor to Dohrmann Hotel Supply Co., San Francisco, Calif. Sundae glass. 166,381, Apr. 8.
Diebold, Frank, San Francisco, Calif. Fishline storage reel. 176,562, Aug. 26.
Diebold, George L., assignor to Venus Foundation Garments, Inc., Chicago, Ill. Foundation garment. 167,138, July 1.
Dieckmann, Otto, Cincinnati, Ohio. Measuring device for semisolids. 165,743, Jan. 29.
Dieterich, Richard E., Long Beach, Ind. Roof mounting bracket for automobile visors. 166,029, Feb. 26.
Dippmann, Kurt W., assignor to Francis-Louise Full Fashion Mills, Inc., Valdese, N. C. Lady's stocking. 167,621, Sept. 2.
Dippmann, Kurt W., assignor to Francis-Louise Full Fashioned Mills, Inc., Valdese, N. C. Lady's stocking. 168,089, Nov. 4.
Dispensa, Anthony, Hinsdale, Ill. Hat ornament or the like. 166,301, Apr. 1.
Doblin, Jay: *See*—
Otto, Carl, and Doblin.
Dochterman, Richard W., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. 166,030, Feb. 26.
Dochterman, Richard W., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. 167,139, July 1.
Dochterman, Richard W., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. 167,140, July 1.
Dochterman, Richard W., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. 168,397, Dec. 16.
Dodge, Incorporated, assignee: *See*—
Fitzgerald, Edward B.
Dodge, Ray E., Los Angeles, Calif. Trophy base. 166,740, May 13.
Doe, Walter P.: *See*—
Fisher, Herman G., Doe, and Sly.
Sly, Leslie W., Fisher, Crawford, and Doe.
Doe, Walter P., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Toy dog or the like. 167,929, Oct. 14.
Doeden, Roland E., Crete, assignor to Mall Tool Company, Chicago, Ill. Power tool unit. 167,826, Sept. 30.
Doeden, Roland E., Crete, assignor to Mall Tool Company, Chicago, Ill. Pneumatic tool unit. 168,215, Nov. 18.

Doerfler, Robert L., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 166,246, Mar. 25.
Doerfler, Robert L., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 166,302, Apr. 1.
Doherty, Damon M., St. Cloud, Minn. Rosary medal. 167,827, Sept. 30.
Dohrmann Hotel Supply Co., assignee: *See*—
Diebenkorn, Richard C.
Doi, Bert T., Pasadena, Calif. Jet-propelled airplane. 167,258, July 15.
Dokus, Adrienne B. J. and J. I., Newark, N. J., Condiment holder. 166,456, Apr. 15.
Dokus, John I.: *See*—
Dokus, Adrienne B. J. and J. I.
Dole Valve Company, The, assignee: *See*—
Kraft, Elroy J.
Otto, Carl.
Doman, Donald W.: *See*—
Girardy, Alfred B., Doman, and Meyers.
Haman, Ralph W., Girardy, and Doman.
Donahue, Joseph P., Niagara Falls, and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Donahue. Toilet case or the like. 167,029, June 17.
Donaldson, Evelyn G., Denver, Colo. Combined ash tray and cigarette container. 166,805, May 20.
Dorfman, Jerome J., New York, N. Y. Combination heating and cooling pad. 167,743, Sept. 16.
Dormeyer Corporation, assignee: *See*—
Morgan, Jack.
Dorr, Mardo, assignor to Kugel Company, Inc., New York, N. Y. Pillowcase or the like. 167,338, July 29.
Dorr, Robert, Jr., Beverly Hills, Calif., assignor, by mesne assignments, to International Furniture Company. Swivel table. 165,829, Feb. 5.
Dorsak, John W.: *See*—
Armstrong, Gordon, and Dorsak.
D'Orsay, Marcelle, New York, N. Y. Combined cigarette and cigarette lighter case. 166,178, Mar. 18.
Dorsey, Leslie S., assignor to National Gourmet Shops, Inc., New York, N. Y. Display cabinet. 167,679, Sept. 9.
Dost, Helen M., Glenview, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 167,446, Aug. 12.
Dost, Helen M., Glenview, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 167,447, Aug. 12.
Dost, Helen M., Glenview, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 167,448, Aug. 12.
Dost, Helen M., Glenview, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 167,449, Aug. 12.
Douglas, Mary S., Barrington, R. I., assignor to E. R. Bassett Corp. Christmas tree ornament or the like. 166,031, Feb. 26.
Dowd, John T., Aldan, Pa. Goblet. 166,179, Mar. 18.
Dowell, Clarence A., Whittier, Calif. Music template 165,911, Feb. 12.
Dragonetti, Anthony L., assignor to Scammel China Company, Trenton, N. J. Plate. 168,023, Oct. 28.
Drake, Fred M.: *See*—
Saigo, Emery, and Drake.
Drechsel, Ernest A., Doylestown, assignor to Victor Silk Hosiery Co., New Britain, Pa. Lady's stocking. 167,306, July 22.
Dreitzer, Albert J., New York, N. Y. Epergne or similar article. 165,638, Jan. 8.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass plate or similar article. 166,146, Mar. 11.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Stacked snack jar or similar article. 167,880, Oct. 7.
Drell, William, New York, N. Y. Display stand or similar article. 167,563, Aug. 26.
Drexel Furniture Company, assignee: *See*—
Hodgman, Howard P.
Drexler, Murray, New York, N. Y. Ash receiving receptacle. 166,072, Mar. 4.
Dreyer, Everett L., Lincolnwood, Ill. Game board. 168,499, Dec. 30.
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Clothes wringer. 168,216, Nov. 18.
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Clothes-washing machine. 168,292, Dec. 2.
Dreyfuss, Henry, Pasadena, Calif., assignor to The E. Ingraham Company, Bristol, Conn. Clockcase or similar article. 166,247, Mar. 25.
Dreyfuss, Henry, Pasadena, Calif., assignor to The E. Ingraham Company, Bristol, Conn. Clockcase or similar article. 166,248, Mar. 25.
Dreyfuss, Henry, Pasadena, Calif., assignor to The E. Ingraham Company, Bristol, Conn. Clock base or similar article. 166,249, Mar. 25.
Dreyfuss, Henry, Pasadena, Calif., assignor to The E. Ingraham Company, Bristol, Conn. Winding-key for a clock or similar article. 166,457, Apr. 15.
Dreyfuss, Henry, Pasadena, assignor to Sunkist Growers, Inc., Los Angeles, Calif. Refrigerated beverage dispenser. 167,744, Sept. 16.
Dribnack, Andrew S., Binghamton, N. Y. Aquarium light fixture. 167,930, Oct. 14.
Dubner, Harry J., New York, N. Y. Strapless breast support or similar article. 167,394, Aug. 5.
Ducey, Francis E., Phoenix, Ariz. Child's chair. 166,908, June 3.
Du Fault, Homer D., Easthampton, assignor to Heatbath Appliances, Inc., Springfield, Mass. Gas burner. 166,032, Feb. 26.
Duke, Alexander J., Los Angeles, Calif. Convertible chair lounge. 167,450, Aug. 12.
Dukoff, Edward: *See*—
Kaye, Danny, and Dukoff.
Dulane, Inc., assignee: *See*—
Budlane, Stanley J., and Dusek.
Dumas, Francois U., Spencer, Mass. Key ring. 165,639, Jan. 8.
Duntar, Josephine Q., Kansas City, Kans. Candy confection. 167,564, Aug. 26.
Dunbar, Norman R., Downey, assignor to Eldon Manufacturing Co., Los Angeles, Calif. Compartmented box. 166,147, Mar. 11.
Duncan, Daniel D., Glendale, Calif. Knife sharpening holder. 165,970, Feb. 19.
Dunkelberger, Milton S., Dayton, Ohio. Flashlight. 166,073, Mar. 4.
Dunn, Lucille W., Dallas, Tex. Newspaper and magazine rack or similar article. 167,395, Aug. 5.
Du Pont, E. I., de Nemours and Company, assignee: *See*—
Kahn, Lester.
Kahn, Lester R.
Du Pree, Ernest, Old Greenwich, Conn., assignor to Schenley Industries, Inc., New York, N. Y. Decanter bottle. 166,595, Apr. 29.
Durant, Lyndon A., assignor to General Patent Corporation, Chicago, Ill. Cabinet for an amusement game apparatus. 168,217, Nov. 18.
Durant Manufacturing Co., assignee: *See*—
Braatz, Clarence W.
Duro Company, The, assignee: *See*—
Graef, Edgar J.
Dusek, Robert: *See*—
Budlane, Stanley J., and Dusek.
Dushek, Charles D.: *See*—
Dalley, Donald, and Dushek.
Dvorsky, Alexander L., and M. Palo, Conneaut, Ohio. Microphone or the like. 166,741, May 13.
Dworkin, Louis H., Philadelphia, Pa. Combination cooky jar and bank. 165,830, Feb. 5.
Dworkin, Louis H., Philadelphia, Pa. Combination cooky jar and bank. 167,931, Oct. 14.
Dyer, Francis X. and J. E., Chicago, Ill. Combination food and food containers holding tray. 165,640, Jan. 8.
Dyer, Janann E.: *See*—
Dyer, Francis X. and J. E.
Dyment Company, The, assignee: *See*—
Sunderlin, Robert L.
Eagle Pencil Company, assignee: *See*—
Fusco, Faust A.
Hanle, Benjamin W.
Easterling China Company, assignee: *See*—
Wagner, Franz.
Eastern Venetian Blind Company, The, assignee: *See*—
Rosenbaum, Harry S.
Eastman Kodak Company, assignee: *See*—
Crapsey, Arthur H., Jr.
Knowles, Frederick G.
Van Dyck, Kenneth A.
Eckenboy, Russell, Detroit, Mich. Towel rack. 165,681, Jan. 15.
Eckenboy, Russell, Detroit, Mich. Combined cigarette and matchbook case or similar article. 167,506, Aug. 19.
Edelmann, E., & Company, assignee: *See*—
Edelmann, Robert B.
Edelmann, Robert B., assignor to E. Edelmann & Company, Chicago, Ill. Battery service jug. 168,255, Nov. 25.
Edison, Lionel, New York, N. Y. Holder for desk articles. 168,025, Oct. 28.
Edler, George E., Halls, Tenn. Combined chest and telephone stand, or similar article. 166,532, Apr. 22.
Edson, Bert, Pawtucket, R. I., assignor to North American Lace Co., Inc., Philadelphia, Pa. Lace or similar article. 167,881, Oct. 7.
Educational Toy Institute of New York, assignee: *See*—
Moyer, Kenneth E.
Edwards Company, Inc., assignee: *See*—
Edwards, Robert S., and Verkuil.
Edwards, James J., High Point, N. C. Fish bowl. 166,458, Apr. 15.
Edwards, Robert S., New Canaan, and L. L. Verkuil, assignors to Edwards Company, Inc., Norwalk, Conn. Fire alarm signal box. 168,149, Nov. 11.
Edwards, Robert S., New Canaan, and L. L. Verkuil, assignors to Edwards Company, Inc., Norwalk, Conn. Fire alarm signal box. 168,150, Nov. 11.
Ehlers, Russell W.: *See*—
Weiss, Alexander C. H., and Ehlers.
Eigen, Morris, North Bergen, N. J. Toy pistol. 167,396, Aug. 5.
Eisenberg, Arthur A., assignor to National Silver Company, New York, N. Y. Spoon or similar article. 168,151, Nov. 11.
Eisendrath, Robert N., Chicago, Ill. Combination love seat, lounge, and bed. 166,954, June 10.

Eisler, Charles, South Orange, N. J. Spot welder. 166,303, Apr. 1.
Ekco Products Company, assignee: *See*—
Hvale, James L.
Keating, Edward.
Wagner, Franz.
Eldon Manufacturing Co., assignee: *See*—
Dunbar, Norman R.
Electric Lighting, Inc., assignee: *See*—
Brooks, Albert E., Bacon, and Stark.
Electrolux Corporation, assignee: *See*—
Guild, Lurelle V. A.
Electro-Mechanical Instrument Company, The, assignee: *See*—
Pfeffer, William E.
Ellis, Francis C., Chicago, Ill. Pedestal for a scientific instrument. 168,090, Nov. 4.
Ellmore Silver Co., Inc., The, assignee: *See*—
Lipman, Isadore A.
Eloranta, Valto K., Boston, Mass., assignor to the United States of America as represented by the Secretary of the Army. Helmet for protection against low temperatures. 167,339, July 29.
Emmons, Arthur N., Nedrow, N. Y., and P. Muller-Munk, Pittsburgh, Pa., assignors to Porter-Cable Machine Company, Syracuse, N. Y. Portable power operated sanding machine. 166,148, Mar. 11.
Enchantress Foundations, Inc., assignee: *See*—
Spero, Alan C.
Endicott Johnson Corporation, assignee: *See*—
Wilcox, Irwin D.
Enos, Joe, Jr., Visalia, assignor to M. A. Morrill, Laton, Calif. Support and draft apparatus for a side delivery rake. 166,596, Apr. 29.
Erickson, Albert D., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Bottle case. 167,622, Sept. 2.
Erickson, C. E., Company, Inc., assignee: *See*—
Erickson, Albert D.
Ernst, Otto J., Jr., Montague, Mich., assignor to Whitehall Metal Studios, Inc., Chicago, Ill. House sign. 167,507, Aug. 19.
Errico, Vito: *See*—
Berman, Harry, Errico, and Lofrese.
Errico, Vito, New Hyde Park, H. Berman, and D. Lofrese, Bronx, N. Y., assignors to Victory Optical Manufacturing Co., Newark, N. J. Spectacle frame or similar article. 166,955, June 10.
Errico, Vito, New Hyde Park, H. Berman, and D. Lofrese, Bronx, N. Y., assignors to Victory Optical Manufacturing Co., Newark, N. J. Ornament for spectacle frame parts. 166,956, June 10.
Errill, Frederick F., Tuckahoe, assignor, by mesne assignments, to Home Decorators, Inc., Newark, N. Y. Dinner plate. 167,932, Oct. 14.
Ershler, Philip, Washington, D. C. Partitioning device for automobile glove compartment. 166,957, June 10.
Erskine, Donal G., Jr., Baltimore County, assignor to Bendix Aviation Corporation, Baltimore, Md. Instrument for measuring humidity and temperature. 167,933, Oct. 14.
Erving Paper Mills, assignee: *See*—
Gould, Ruth.
Etched Products Corporation, assignee: *See*—
Gosweiler, Herbert.
Etkin, Simon, New York, N. Y. Jacket. 165,831, Feb. 5.
Etten, Nicholas L., Cedar Falls, Iowa. Foldable awning or similar article. 167,198, July 8.
Etzler, Ralph T., Columbus, Ohio. Receptacle for smoking tobacco or similar article. 168,338, Dec. 9.
Eue, Norman C., Shakopee, Minn. Infant's spoon. 167,623, Sept. 2.
Evans Case Co., assignee: *See*—
Briggs, Helen.
Reilly, William J.
Evans, Robert P., Westwood, assignor to Visual Research Incorporated, Boston, Mass. Visor for spectacles or similar articles. 168,024, Oct. 28.
Everfast Fabrics, Inc., assignee: *See*—
Portong, Henry A.
Everlast Metal Products Corp., assignee: *See*—
Schnitzer, Louis M.
Eversharp, Inc., assignee: *See*—
Glaberson, Martin.
Exhibit Supply Co., The, assignee: *See*—
Se Bastian, Ford.
Exner, Virgil M., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for automobile lamps. 167,973, Oct. 21.
Exner, Virgil M., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp. 168,293, Dec. 2.
Eyelet Specialty Company, The, assignee: *See*—
Hopgood, Robert B.
F. F. F. Textiles, Inc., assignee: *See*—
Fish, Leo.
Factor, Max, & Co., assignee: *See*—
Crane, Walton B.
Faith-Ell, Lars J., Stockholm, and T. E. Lindahl, Hagersten, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Suction cleaner nozzle. 168,256, Nov. 25.
Falatico, Joseph A., Baltimore, Md. Combined fence and gate. 166,382, Apr. 8.
Falcon Plastic Products Mfg. Co., assignee: *See*—
Russell, George F.
Falk and Booth, assignee: *See*—
Booth, Corwin, Falk, and Christensen.
Falk, Mark: *See*—
Booth, Corwin, Falk, and Christensen.
Falk, William G., Covington, Ky. Cup or similar article. 168,218, Nov. 18.
Falls, John J., assignor to Aurand Mfg. & Equip. Co., Cincinnati, Ohio. Surface cleaning tool. 166,304, Apr. 1.
Falls, John J., assignor to Aurand Mfg. & Equip. Co., Cincinnati, Ohio. Surface cleaning tool. 166,305, Apr. 1.
Farah, Henry, New York, N. Y. Housecoat. 166,661, May 6.
Faré, Roger, Paris, France, assignor to Wear-Right Gloves, Inc., New York, N. Y. Glove. 167,397, Aug. 5.
Farm-Rite Implement Company, assignee: *See*—
Stumpenhorst, Erich J.
Farnsworth, Herbert, Norwalk, Conn., assignor to I. Zendman, Inc., New York, N. Y. Lace. 167,882, Oct. 7.
Farrington, Robert K.: *See*—
Farrington, Thayer B. and R. K., Ikeda, and Mercer.
Farrington, Thayer B., Cleveland Heights, R. K. Farrington, Shaker Heights, and F. K. Ikeda and R. P. Mercer, assignors to The Thompson Electric Company, Cleveland, Ohio. Lighting fixture. 167,680, Sept. 9.
Farrington, Thayer B., Cleveland Heights, R. K. Farrington, Shaker Heights, and F. K. Ikeda and R. P. Mercer, assignors to The Thompson Electric Company, Cleveland, Ohio. Lighting fixture. 167,681, Sept. 9.
Fass, Samuel, Brooklyn, N. Y. Watch protector. 166,149, Mar. 11.
Fasson, Emil C., Inglewood, Calif. Decorative lamp. 166,662, May 6.
Feder, William M., New York, N. Y. Embossed plastic sheet or similar article. 166,909, June 3.
Feder, William M., New York, N. Y. Embossed plastic sheet or similar article. 167,340, July 29.
Federal Glass Company, The, assignee: *See*—
Kell, Raymond W.
Feeks, John F., Los Angeles, Calif. Sandal. 167,624, Sept. 2.
Fees, Robert A.: *See*—
Gallant, James M., and Fees.
Feintuch, Max: *See*—
Jay, Benjamin F., and Feintuch.
Felch, Estel D., Madison, Wis. Combined nose and eye protector. 166,853, May 27.
Feld, Jacob, Mount Vernon, assignor to Bomb Shelter, Inc., Bayside, N. Y. Bomb shelter. 167,565, Aug. 26.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,641, Jan. 8.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,642, Jan. 8.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,643, Jan. 8.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 165,644, Jan. 8.
Feldman, Joseph, New York, N. Y. Coat. 167,508, Aug. 19.
Fell, Arthur D., Jr.: *See*—
Snalfrank, Royal R., and Fell.
Fellman, Abraham C., Forest Hills, N. Y. Rubber sole for footwear. 166,742, May 13.
Fellows, Fred G., assignee: *See*—
Fellows, Violet M.
Fellows, Violet M., assignor to F. G. Fellows, Ponca City, Okla. Plate or similar article. 168,500, Dec. 30.
Fenlason, Donna L., New York, N. Y. Slipper. 166,459, Apr. 15.
Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.
Ferar, Montgomery, Detroit, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet. 168,257, Nov. 25.
Ferar, Montgomery, Detroit, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet door handle. 168,339, Dec. 9.
Ferguson, Frances L., Lagrange, Ind. Wall rack. 167,341, July 29.
Ferguson, Harry, Inc., assignee: *See*—
Klemm, Herman G.
Klemm, Herman G., and Nelson.
Ferguson, John E., Excelsior Springs, assignor to Avsco, Incorporated, Kansas City, Mo. Serving tray for automobiles. 167,974, Oct. 21.
Ferris, Elsie G., Alpena, Mich. Bottle. 166,250, Mar. 25.
Ficken, Ruth H., Sherwood, Oreg. Sprinkler. 167,307, July 22.
Filsinger, Robert S., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating magnifier. 166,597, Apr. 29.
Fink, Milton, Kewgarden Hills, N. Y. Deodorant holder or the like. 167,398, Aug. 5.
Finley, Harold D., Genoa, Italy. Vehicle ornament. 168,441, Dec. 23.
Fiori, Dominic L., Denver, Colo. Mail sack cart. 167,566, Aug. 26.
Fischel, Arnold E., Brooklyn, N. Y. Powder box or the like. 167,625, Sept. 2.

Fischer, Harry C., Columbus, and L. P. Benua, Gahanna, Ohio. Combination beverage cooler and dispenser or similar article. 167,308, July 22.
Fischer, Joseph, Pelham Manor, N. Y. Hand spotlight. 166,743, May 13.
Fischer, Joseph, Pelham Manor, N. Y. Hand spotlight. 166,744, May 13.
Fish, Leo, Forest Hills, assignor to F. F. F. Textiles, Inc., New York, N. Y. Furniture scarf or similar article. 166,383, Apr. 8.
Fisher Bruce & Company, assignee: *See*—
Muench, Toni O.
Fisher, Herman G.: *See*—
Crawford, Ralph W., and Fisher.
Sly, Leslie W., Fisher, Crawford, and Doe.
Fisher, Herman G., W. P. Doe, and L. W. Sly, East Aurora, N. Y. Figure trundle toy. 167,934, Oct. 14.
Fisher, Herman G., L. W. Sly, and W. P. Doe, assignors to Fisher-Price Toys, Inc., East Aurora, N. Y. Trundle toy. 167,975, Oct. 21.
Fisher, Max, Lower Alsace Township, Berks County, and F. L. Ireland, West Reading, assignors to Penn Maid Hosiery Mills, Inc., Reading, Pa. Stocking. 166,074, Mar. 4.
Fisher, Max, Lower Alsace Township, Berks County, and F. L. Ireland, West Reading, assignors to Penn Maid Hosiery Mills, Inc., Reading, Pa. Stocking. 166,598, Apr. 29.
Fisher, Max, Lower Alsace Township, Berks County, and F. L. Ireland, West Reading, assignors to Penn Maid Hosiery Mills, Inc., Reading, Pa. Stocking. 167,682, Sept. 9.
Fisher, Max, Lower Alsace Township, Berks County, and F. L. Ireland, West Reading, assignors to Penn Maid Hosiery Mills, Inc., Reading, Pa. Stocking. 167,683, Sept. 9.
Fisher, Max, Lower Alsace Township, Berks County, and F. L. Ireland, West Reading, assignors to Penn Maid Hosiery Mills, Inc., Reading, Pa. Stocking. 167,684, Sept. 9.
Fisher-Price Toys, Inc., assignee: *See*—
Crawford, Ralph W.
Crawford, Ralph W., and Fisher.
Doe Walter P.
Fisher, Herman G., Sly, and Doe.
Sly, Leslie W., Fisher, Crawford, and Doe.
Fishlove, H. & Co., assignee: *See*—
Glass, Marvin I.
Fishman, Isidor, Brooklyn, N. Y. Combined holder for oysterettes and sea food condiments. 165,744, Jan. 29.
Fitzgerald, Colin: *See*—
Fryer, Joseph, and Fitzgerald.
Fitzgerald, Edward B., assignor to Dodge, Incorporated, Chicago, Ill. Combination bank and book end. 165,712, Jan. 22.
Flato, Paul E., assignor to Paul Flato Sales Corporation, New York, N. Y. Compact or similar article. 167,935, Oct. 14.
Flato, Paul, Sales Corporation, assignee: *See*—
Flato, Paul E.
Flatt, Buford E., El Monte, Calif. Automotive vehicle door. 168,440, Dec. 23.
Flautt, John B., Swampscott, Mass. Sandal. 167,072, June 24.
Fleck, Robert, Jenkintown, Pa. Carpet. 166,384, Apr. 8.
Fleisig, Charles, New York, N. Y. Portable head and back rest. 166,599, Apr. 29.
Fleming, Mary P.: *See*—
Allen, Grosvenor N., Fleming, and Ressegger.
Flex-Art Inc., assignee: *See*—
Bergier, Arnold H.
Flexner, Gustav, Louisville, Ky. Toy savings bank. 165,682, Jan. 15.
Flex-O-Glass, Inc., assignee: *See*—
Warp, John R.
Flood, Bernard J., Elkhart, Ind., and C. D. Welshenbach, Sandusky, Ohio, assignors to H. & A. Selmer, Inc., Elkhart, Ind. Music stand or similar article. 166,033, Feb. 26.
Flor, Henry A.: *See*—
Meyer, William J., and Flor.
Florac, Richard, assignor to Telanserphone Inc., New York, N. Y. Radio receiver casing. 167,828, Sept. 30.
Florence Stove Company, assignee: *See*—
Kruck, Ralph E.
Florian, Gordon W., Bridgeport, Conn., assignor to Camfield Manufacturing Company, Grand Haven, Mich. Coffee pot. 167,976, Oct. 21.
Florman, Irving, New York, N. Y. Cigarette holder. 166,958, June 10.
Fogliano, Mario C., Pawtucket, R. I., assignor to American Textile Company, Inc. Lace fabric. 167,342, July 29.
Folding Products Manufacturing Corporation, assignee: *See*—
Kramer, Ferdinand.
Folley, Donald E., Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Sugar bowl. 167,829, Sept. 30.
Folley, Donald E., Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cup. 167,936, Oct. 14.
Ford, Wade O., San Angelo, Tex. Bakery type truck body. 167,399, Aug. 5.
Forest, Diana, New York, N. Y. Apron or similar article. 166,150, Mar. 11.
Forman, Ben, Brooklyn, N. Y. Butter dish. 166,251, Mar. 25.
Forman Family, Inc., assignee: *See*—
Forman, Sol, and Ramer.
Forman, Howard L., Belle Harbor, N. Y. Butter dish. 165,574, Jan. 1.
Forman, Sol, and L. Ramer, New York, assignors to Forman Family, Inc., Brooklyn, N. Y. Butter dish cover or similar article. 165,575, Jan. 1.
Fornoff, Henry G., Los Angeles, Calif. Fry pan cover. 166,959, June 10.
Fornoff, Henry G., Los Angeles, Calif. Fry pan cover. 168,026, Oct. 28.
Fort, Ardie M., Los Angeles, Calif. Combined barbecue stand and lazy Susan. 168,091, Nov. 4.
Fort, Benjamin B., Greensboro, N. C., assignor to Vick Chemical Company, New York, N. Y. Display container. 168,294, Dec. 2.
Fosler, Donald R., and R. Hansen, Omaha, Nebr., assignors to F. H. Noble & Company, Chicago, Ill. Trophy base. 166,854, May 27.
Fosler, Donald R., and R. Hansen, Omaha, Nebr., assignors to F. H. Noble & Company, Chicago, Ill. Trophy base. 167,343, July 29.
Fosler, Donald R., and R. Hansen, Omaha, Nebr., assignors to F. H. Noble & Company, Chicago, Ill. Trophy base. 167,344, July 29.
Foster Grant Co., assignee: *See*—
Bloch, Jack.
Foster Grant Co., Inc., assignee: *See*—
Bloch, Jack.
Foster, Joseph C.
Girouard, Albert.
Watkins, Joseph R.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Sunglass frame or the like. 166,151, Mar. 11.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Sunglass frame or the like. 166,152, Mar. 11.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Sunglass frame or the like. 166,153, Mar. 11.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Display stand for sunglasses or the like. 166,180, Mar. 18.
Foster Metal Products Incorporated, assignee: *See*—
Boots, William C.
Fostoria Glass Company, assignee: *See*—
Sakier, George.
Fournier, Albert B., and W. D. Williams, assignors to National Laboratories, Inc., Toledo, Ohio. Combined holder for container and applicator. 165,683, Jan. 15.
Fox, Harold, Minneapolis, Minn. Mixer jar or the like. 167,259, July 15.
Fox Products Company, assignee: *See*—
Shuler, Clyde, and Godfrey.
Frackman, Hy, New York, N. Y. Finger ring. 166,306. Apr. 1.
Fram Corporation, assignee: *See*—
Kamrath, Herbert G.
Francis, Ernest J., Harrisonburg, Va. Box. 167,977, Oct. 21.
Francis-Louise Full Fashioned Mills, Inc., assignee: *See*—
Dippmann, Kurt W.
Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture lens. 167,451, Aug. 12.
Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture lens. 167,452, Aug. 12.
Franck, Marcel, New York, N. Y. Atomizer head. 167,030, June 17.
Franklin, Burton, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Electric fan. 165,832, Feb. 5.
Frederick, Robert E., New York, N. Y. Shoe. 165,971, Feb. 19.
Freedman, Adele Q., New York, N. Y. Embossed plastic sheet or similar article. 167,883, Oct. 7.
Freedman, Edith: *See*—
Skelly, Harry L., and Freedman.
Freeman, Edwin T., Dallas, Tex. Baby gate. 166,535, Apr. 22.
Freiberger, Curt, Denver, Colo., assignor to The City and County of Denver. Souvenir token. 167,309, July 22.
Freitag, Boad S. L., Balboa Island, Calif. Vertically adjustable combination cabinet and desk. 165,745, Jan. 29.
French, Richard S., Waterville, Maine. Molded pulp insulation article. 166,460, Apr. 15.
French, Richard S., Waterville, assignor to Keys Fibre Company, Portland, Maine. Molded pulp insulation member. 167,567, Aug. 26.
Frens, Gilbert C., Milwaukee, Wis. Planter. 168,295, Dec. 2.
Fretz, John A., Jr., Philadelphia, Pa. Drafting instrument holder or similar article. 165,645, Jan. 8.
Friedel, Elizabeth, New York, N. Y. Pencil holder. 167,937, Oct. 14.
Friedman, Anna, New York, N. Y. Petticoat. 166,663, May 6.
Friedman, Jay L., Bronx, N. Y. Venetian blind slat. 168,258, Nov. 25.

Friedman, Rose T., Scranton, Pa. Child's playsuit. 167,073, June 24.
Friedrich, Robert, Jr., Sewell, assignor to L'Opera Hosiery Mill, Inc., Glassboro, N. J. Stocking. 167,141, July 1.
Fruit Products Corporation, assignee: *See*—
Baier, Ludwig H.
Fry, Dorothy W., Norristown, Pa. Combined plate and attaching clamp. 166,600, Apr. 29.
Fryer, Joseph, Vancouver, and C. Fitzgerald, West Vancouver, British Columbia, Canada. Wheeled balancing toy. 165,576, Jan. 1.
Fuentes, Gabriel P., Bronx, N. Y. Table. 167,509, Aug. 19.
Fuerst, Brooks D., Sylvania, Ohio, assignor to The Grapette Company, Incorporated, Camden, Ark. Bottle. 167,345, July 29.
Fuhr, Mason W., Brentwood, and G. T. Salazar, assignors to Joan Roberts of California, Los Angeles, Calif. Skirt. 167,199, July 8.
Fuld, Walter S., assignor to M. F. Paskes, New York, N. Y. Pouring attachment for containers. 165,577, Jan. 1.
Fuld, Walter S., New York, N. Y. Pouring attachment for bottles. 165,646, Jan. 8.
Fuller Brush Company, The, assignee: *See*—
Le Febvre, Alfred L.
Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 166,461, Apr. 15.
Fusco, Faust A., Kew Gardens Hills, N. Y., assignor to Eagle Pencil Company. Eraser. 166,252, Mar. 25.
Fuston, Samuel F., Jr.: *See*—
McNally, John C., and Fuston.
Gaines, Harry B., assignor to Saginaw Furniture Shops, Inc., Chicago, Ill. Extension commode. 165,746, Jan. 29.
Gaines, Harry B., assignor to Saginaw Furniture Shops, Inc., Chicago, Ill. Extension commode. 167,884, Oct. 7.
Gaither, Cicero C., assignor of one-half to R. G. Pugh, Birmingham, Ala. Utility dresser. 165,833, Feb. 5.
Galbreath, Robert H., Denver, Colo. Ash tray. 168,152, Nov. 11.
Gall, Betty C.: *See*—
Gall, Silvius J. and B. C.
Gall, Silvius J. and B. C., Glendale, Calif. Ash tray. 167,200, July 8.
Gallagher, Ralph: *See*—
Woodson, William T., and Gallagher.
Gallagher, William W., Jr., Weston, Mass. Washer for hypodermic syringe or the like. 167,031, June 17.
Gallant, James M., Delaware, and R. A. Fees, Radnor, assignors to The Denison Engineering Company, Columbus, Ohio. Drawing guide. 167,453, Aug. 12.
Gallay, Francis, Collonge-Bellerive, assignor to Intertherm A. G. Fabrik fur elektrische Apparate (Intertherm S. A. Fabrique d'appareils electriques), Zurich, Switzerland. Electric heater. 168,340, Dec. 9.
Galvin, Richard J., Sheffield, Iowa. Tile block. 167,032, June 17.
Gamby, Littleton B., Baltimore, Md. Ash tray. 168,296, Dec. 2.
Games, Abram, assignor to "Cona" Ltd., London, England. Coffee-making machine. 167,454, Aug. 12.
Garay, Arnold, New York, N. Y. Belt. 165,578, Jan. 1.
Garber, Harold: *See*—
Sheinfeld, Irving, and Garber.
Gardner Board and Carton Co., The, assignee: *See*—
Ringler, William A.
Gardner, Charles N., Suitland, Md. Cup. 165,834, Feb. 5.
Garon, Israel, Duluth, Minn. Slipper. 167,201, July 8.
Garrard Engineering and Manufacturing Company Limited, The, assignee: *See*—
Slade, Herbert V.
Garrett, Arthur O., San Marino, Calif. Desk. 166,803, May 20.
Garrett, Arthur O., San Marino, Calif. Desk. 168,027, Oct. 28.
Garrett, Arthur O., San Marino, Calif. Desk. 168,028, Oct. 28.
Garrett, William L., Jr., Los Angeles, Calif. Television timetable. 166,154, Mar. 11.
Garretto, Paolo, Paris, France. Combined bottle and holder. 167,626, Sept. 2.
Gast, George A., assignor to R. T. Moloney, Chicago, Ill. Remote control unit for television receivers and the like. 168,442, Dec. 23.
Gault, George, New York, N. Y. Watch and clock dial or similar article. 166,533, Apr. 22.
Gay, Fred G., Jr.: *See*—
Stegeman, Raymond F. E., and Gay.
Gay, Fred G., Jr., Greece, and D. J. McCulloch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Eye protector. 166,181, Mar. 18.
Gaylord, Ethlyn B., Temple City, Calif. Timer. 166,745, May 13.
Gaylord, Ethlyn B., Temple City, Calif. Condiment funnel set. 168,341, Dec. 9.
Gazan, George A., Jr., Ferndale, Mich. Automobile license plate holder. 167,885, Oct. 7.
Gazan, George A., Jr., Ferndale, Mich. Case for credit plate. 168,398, Dec. 16.
Gazda, Antoine, Providence, R. I. Pencil. 166,253, Mar. 25.
Gazda, Antoine, Providence, R. I. Pencil. 166,254, Mar. 25.
Gazda, Antoine, Providence, R. I. Pencil. 166,255, Mar. 25.
Gazda, Antoine, Providence, R. I. Shoe heel. 166,385, Apr. 8.
Gegan, Roland F., Chicago, Ill. Pouring device for milk cartons. 167,202, July 8.
Gehring, Julius W.: *See*—
Roumm, Milton P., Gehring, and Chapman.
Gemex Company, assignee: *See*—
Prestinari, Eugen.
Gemmill, Clark H., deceased, Chicago, Ill.; City National Bank and Trust Company, administrator of Clark H. Gemmill. Electric food mixer. 165,747, Jan. 29.
General Electric Company, assignee: *See*—
Beck, George A.
Bruce, Leo I.
Cherry, Peter W.
Cherry, Peter W., and Johnson.
Dochterman, Richard W.
Johnson, Carl N.
McFarland, Donald L.
McFarland, Donald L., and Voight.
Montmeat, Richard.
Petzold, William B.
Spencer, Richard O., and Voight.
General Motors Corporation, assignee: *See*—
Loewy, Raymond.
Pepin, Raoul J.
General Pacific Corporation, The, assignee: *See*—
Huthsing, Charles K.
General Patent Corporation, assignee: *See*—
Durant, Lyndon A.
General Time Corporation, assignee: *See*—
Juhas, Michael.
Schlenker, Max E.
Genhart, Gertrude B., Meadville, Pa. Pie crust crimper. 167,886, Oct. 7.
Genin, Robert I., Hollis, and G. E. Stahl, Rye, assignors to Archer Plastics, Inc., Astoria, N. Y. Toy automobile. 167,887, Oct. 7.
Genin, Robert I., Hollis, and G. E. Stahl, Rye, assignors to Archer Plastics, Inc., Astoria, N. Y. Toy automobile. 167,888, Oct. 7.
Genin, Robert I., Hollis, and G. E. Stahl, Rye, assignors to Archer Plastics, Inc., Astoria, N. Y. Toy automobile. 167,889, Oct. 7.
George, Harry F., Chicago, Ill. Glare shield. 165,647, Jan. 8.
Gerhardt, Robert V., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Retinal camera. 167,455, Aug. 12.
Gerin Corporation, The, assignee: *See*—
Via, George B.
Germain, Amedie J., Yalesville, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 166,960, June 10.
Gershun, Merton L., assignor to American Furniture Company, Martinsville, Va. Chest. 168,443, Dec. 23.
Gerson, Samuel L., Wilmington, Del. Guard for a toilet paper fixture. 167,074, June 24.
Gerstein, Irving: *See*—
Gerstein, Sam and I.
Gerstein, Sam, Brooklyn, and I. Gerstein, New York, N. Y. Brassière. 167,685, Sept. 9.
Gerstle, Nelly, Larchmont, assignor to Altshul, Stern & Co., Inc., New York, N. Y. Display fixture for handkerchiefs. 167,310, July 22.
Giangrosso, Tom C., Long Hill, Conn. Blouse or similar article. 168,259, Nov. 25.
Gibbs, Geoffrey M., Sawbridgeworth, England. Clothesline peg. 166,155, Mar. 11.
Gibbs, Robert K., Evansville, Ind., assignor to Tri-State Plastic Molding Co., Henderson, Ky. Rack for food products. 166,307, Apr. 1.
Gibson Refrigerator Company, assignee: *See*—
Janes, Richard B.
Gidion, Frank M., assignee: *See*—
Cencer, Peter F., and Whiteman.
Giglio, John, New York, assignor to A. A. A. Furniture Co. Inc., Brooklyn, N. Y. Child's rocker or similar article. 166,961, June 10.
Gilardi, Carlo, Milan, Italy. Motor bicycle. 166,386, Apr. 8.
Gillette Company, The, assignee: *See*—
Schladermundt, Peter, and Dennerlein.
Giovacchimi, Aligilvero, Chicago, Ill. Figurine. 166,156, Mar. 11.
Giovacchimi, Aligilvero, Chicago, Ill. Figurine. 166,157, Mar. 11.
Giovacchimi, Aligilvero, Chicago, Ill. Figurine. 166,158, Mar. 11.
Giovacchimi, Aligilvero, Chicago, Ill. Figurine. 166,387, Apr. 8.
Giovacchimi, Aligilvero, Chicago, Ill. Figurine. 166,746, May 13.
Giovagnoni, Violet, New York, N. Y. Negligee. 165,972, Feb. 19.
Gipson, Elwyn M., Lufkin, Tex. Outdoor flower basket. 167,400, Aug. 5.

Gipson, Elwyn M., Lufkin, Tex. Combined flower basket and stand therefor. 167,830, Sept. 30.

Girardy, Alfred B.: *See*—
Haman, Ralph W., Girardy, and Doman.
Haman, Ralph W., Girardy, and Norby.

Girardy, Alfred B., Park Forest, D. W. Doman, Harvey, and R. E. Meyers, Park Forest, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 168,219, Nov. 18.

Girouard, Albert, assignor to Foster Grant Co., Inc., Leominster, Mass. Pair of spectacles. 165,973, Feb. 19.

Githens, Otto W., New York, N. Y., and W. W. Ward, Bloomfield, N. J., assignors to Utilitron Incorporated, New York, N. Y. Night driving glasses. 167,033, June 17.

Glaberson, Martin, Ardsley, N. Y., assignor to Eversharp, Inc., Chicago, Ill. Combination desk unit. 166,075, Mar. 4.

Glaberson, Martin, Ardsley, N. Y., assignor to Eversharp, Inc., Chicago, Ill. Combination desk unit. 166,076, Mar. 4.

Glasband, Isadore, Hartford, Conn. Safety pin. 165,912, Feb. 12.

Glass Containers, Inc., assignee: *See*—
Boschin, Walter E.

Glass, Henry P., Chicago, Ill., assignor to Goshen Manufacturing Company, Goshen, Ind. Lawn seat. 165,835, Feb. 5.

Glass, Henry P., Chicago, Ill., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Display stand. 165,974, Feb. 19.

Glass, Marvin I., assignor to H. Fishlove & Co., Chicago, Ill. Clip. 167,686, Sept. 9.

Glass, Marvin I., assignor to H. Fishlove & Co., Chicago, Ill. Clip. 167,687, Sept. 9.

Glassie, Claire B. and D. C., Washington, D. C. Combined ironing board and seat unit. 167,456, Aug. 12.

Glassie, Donelson C.: *See*—
Glassie, Claire B. and D. C.

Glassmeyer, Satolli F., Forest Hills, Ky. Game board. 168,444, Dec. 23.

Glavin, Thomas A., assignee: *See*—
White, Ara L.

Gleed, Carlton J., Jr., San Francisco, Calif. Magazine rack. 168,445, Dec. 23.

Globe Rubber Products Corporation, assignee: *See*—
Schwartz, Albert.

Glorieux, Robert C., Newton, Mass. Clock frame or similar article. 166,388, Apr. 8.

Godber, Elizabeth A., Los Angeles, Calif. Christmas lamp ornament. 167,401, Aug. 5.

Godfrey, Bertha, New York, N. Y. Pillow. 166,664, May 6.

Godfrey, Charles J.: *See*—
Shuler, Clyde, and Godfrey.

Goettl, Adam D., Phoenix, Ariz. Evaporative cooler. 166,182, Mar. 18.

Goff, Clarence D., Philadelphia, Pa. Stocking. 165,748, Jan. 29.

Goff, Clarence D., Philadelphia, Pa. Stocking. 165,749, Jan. 29.

Goforth, Sidney G., Jr.: *See*—
Goforth, Sidney G., Sr., and S. G., Jr.

Goforth, Sidney G., Sr., Memphis, and S. G. Goforth, Jr., Millington, Tenn. Table lamp base. 166,962, June 10.

Gold, Nat., Newark, N. J., assignor to Nu-Dent Porcelain Studios, Inc., New York, N. Y. Furnace for firing porcelain. 167,568, Aug. 26.

Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Reclining chair frame. 166,910, June 3.

Goldberg, Harry H., assignor to Bunting Glider Company, Philadelphia, Pa. Chaise longue. 168,342, Dec. 9.

Goldberg, John A., Massapequa, N. Y. Lace fabric. 168,220, Nov. 18.

Goldfarb, Abraham, Great Neck, N. Y. Dress or similar article. 167,569, Aug. 26.

Goldfarb, Stanley, Miami, Fla. Shell doll. 166,601, Apr. 29.

Golden Citrus Juices, Inc., assignee: *See*—
Nielsen, Bert W.

Goldman, Harry M., New Rochelle, N. Y. Shaped textile piece. 167,978, Oct. 21.

Goldman, Harry M., New Rochelle, N. Y. Shaped textile fabric. 168,343, Dec. 9.

Goldman, Lee, New York, assignor to Corning Glass Works, Corning, N. Y. Dish stand or similar article. 165,579, Jan. 1.

Goldman, Lee, New York, assignor to Corning Glass Works, Corning, N. Y. Juice mixer or similar article. 168,344, Dec. 9.

Goldrosen David, Worcester, Mass. Plastic cover for containers. 167,142, July 1.

Goldsmith, Lou, Handbag Corp., assignee: *See*—
Stucker, Leslie L.

Goldstein, Arthur, assignor to Tru Balance Corsets, Inc., New York, N. Y. Girdle. 167,510, Aug. 19.

Goldstein, Daniel, assignor to Schenley Industries, Inc., New York, N. Y. Bottle. 166,462, Apr. 15.

Goodstein, David M., New York, N. Y. Embroidered textile fabric. 168,297, Dec. 2.

Goldstein, Morris E., Denver, Colo. Wall plaque. 166,183, Mar. 18.

Goldstein, Morris E., Denver, Colo. Wall plaque. 166,184, Mar. 18.

Goldstein, Morris E., Denver, Colo. Wall plaque. 166,185, Mar. 18.

Golovin, Nathaniel B., New York, N. Y. Slipper or the like. 166,747, May 13.

Gonnella, Renato J., Miami, Fla. Louver unit. 168,221, Nov. 18.

Gonzalez, Alexander, Mt. Rainier, Md. Badge or the like. 166,602, Apr. 29.

Goodman, Herbert N., assignor to Triumph Hosiery Mills, Inc., New York, N. Y. Stocking. 165,975, Feb. 19.

Goodman, Herbert N., New York, N. Y. Stocking. 168,153, Nov. 11.

Goodman, James, assignee: *See*—
Massie, Lewis E.

Goodman, Joseph, New York, N. Y. Coin holder. 165,913, Feb. 12.

Goodman, William W., Los Angeles, Calif. Planter. 167,346, July 29.

Goodrich, B. F., Company, The, assignee: *See*—
Billingsley, William F.
Delzell, Harold W.

Goodyear Tire & Rubber Company, The: *See*—
Thaden, Theron J.

Gordon, Barnett D., Brookline, Mass. Sweater. 165,713, Jan. 22.

Gordon, Melvin J., assignee: *See*—
Wilcher, Abrasha.

Gordon, Melvin J., Brookline, Mass. Lady's stocking. 167,511, Aug. 19.

Gordon, Robert A., Fairfield, Ala. Indoor antenna for television. 167,457, Aug. 12.

Gordon, Sadye Z., assignee: *See*—
Wilcher, Abrasha.

Goserud, Chester O., St. Paul, Minn. Latch. 165,976, Feb. 19.

Goshen Manufacturing Company, assignee: *See*—
Glass, Henry P.
Rink, Robert M.

Gosweiler, Herbert, Stratford, Conn., assignor to Etched Products Corporation, Long Island City, N. Y. Mailbox. 166,748, May 13.

Gotham Hosiery Company, Inc., assignee: *See*—
Boedeker, Edward W.

Gottlieb, Joseph, Jersey City, and C. Woessner, Bloomfield, N. J. Portable electric drill unit. 167,034, June 17.

Gottlieb, Joseph, Jersey City, N. J. Clock. 168,345, Dec. 9.

Gottschalk, William H., assignee: *See*—
Russell, George F.

Goulart, Joseph, San Diego, Calif. Davenport. 166,463, Apr. 15.

Gould, Ruth, Bedminster, N. J., assignor to Erving Paper Mills. Embossed paper napkin or the like. 166,911, June 3.

Graban, Paul: *See*—
Sol, Chester, and Graban.

Graber Company, The, assignee: *See*—
Graber, Joseph V. and J. N.

Graber, John N.: *See*—
Graber, Joseph V. and J. N.

Graber, Joseph V. and J. N., Madison, assignors to The Graber Company, Middleton, Wis. Drapery traverse hanger. 167,831, Sept. 30.

Graber, Milton S., Lawrence, assignor to Harry Rosenfeld, Inc., New York, N. Y. Handbag. 167,075, June 24.

Graceform-Camlin Corset Co., Inc., assignee: *See*—
Imersheln, Mathias.

Grady, Martin J., Bridgman, Mich. Toilet paper holder. 166,534, Apr. 22.

Graef, Edgar J., assignor to The Duro Company, Dayton, Ohio. Fire fighting vehicle. 167,832, Sept. 30.

Granat, Joseph, San Francisco, Calif. Watchcase. 166,186, Mar. 18.

Grand Rapids Hardware Company, assignee: *See*—
Glass, Henry P.

Grand Rapids Store Equipment Company, assignee: *See*—
Porter, Wayne R.

Grant, Albert C., Leavenworth, Kans. Cart for a golf bag. 166,308, Apr. 1.

Grapette Company, Incorporated, The, assignee: *See*—
Fuerst, Brooks D.

Grav-I-Flo Corporation, assignee: *See*—
Bogema, Richard E.

Gray, George W., assignor to McMath-Axilrod Corporation, Dallas, Tex. Lighting fixture for signs. 166,034, Feb. 26.

Greben, Jerome, San Diego, Calif. Stacking member or similar article. 166,159, Mar. 11.

Greene, Harry R.: *See*—
Timm, Otto W., and Greene.

Gregg, Robert S., Fredericktown, Ohio. Wall lighting fixture or similar article. 168,260, Nov. 25.

Greist Manufacturing Company, The, assignee: *See*—
Burgess, Robert W.

Greitzer, Jack J., Cleveland, assignor to The Bingham-Herbrand Corporation, Fremont, Ohio. Display board or similar article. 167,143, July 1.

Gressitt, Tillman J., Monkton, assignor to Hedwin Corporation, Baltimore, Md. Plastic coaster. 165,836, Feb. 5.

Gressitt, Tillman J., Monkton, assignor to Hedwin Corporation, Baltimore, Md. Embossed plastic table mat. 166,389, Apr. 8.

Griffin, William H. H., Seymour, Tex. Slingshot or similar article. 167,260, July 15.

Griffith, Marilyn, Los Angeles, Calif. Portable dollhouse. 167,745, Sept. 16.

Grimwades Limited, assignee: *See*—
Plant, James.

Grindstad, George M., Verona, assignor of one-half to O. Bjornstad, Madison, Wis. Trailer door fastener. 167,938, Oct. 14.

Groboski, John P., Sheffield, Pa., and J. G. Groboski, Chicago, Ill. Automobile door visor. 167,797, Sept. 23.

Groboski, Joseph G.: *See*—
Groboski, John P. and J. G.

Grode, Morris T., Jackson Heights, N. Y. Display rack for crockery or similar article. 167,203, July 8.

Gross, Martin A., Fairborn, Ohio. Smoker's pipe. 167,076, June 24.

Grossman, Max, Jersey City, N. J. Frame handbag. 167,939, Oct. 14.

Grossman Music Corporation, assignee: *See*—
Thompson, Josephus.

Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Tray or similar article. 167,204, July 8.

Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Tray or similar article. 167,205, July 8.

Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Tray or similar article. 167,206, July 8.

Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Dish cover or similar article. 168,261, Nov. 25.

Gruen Watch Company, The, assignee: *See*—
Blod, Francis E., and Blumenfeld.

Grun, Otto, New York, N. Y. Combination golfer's watch and tee holder unit. 166,160, Mar. 11.

Grundberg, Donald N.: *See*—
Churgin, Leopold, and Grundberg.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Armchair frame. 165,914, Feb. 12.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Two seater couch frame. 165,915, Feb. 12.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Cocktail table frame. 166,666, May 6.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Octagon table frame. 166,667, May 6.

Guild, Lurelle, Noroton, Conn., and F. W. Perl, Mansfield, Ohio, assignors to Westinghouse Electric Corporation. Top and backsplasher unit for electric range. 166,390, Apr. 8.

Guild, Lurelle V. A., assignor to Underwood Corporation, New York, N. Y. Noiseless typewriter. 167,144, July 1.

Guild, Lurelle V. A., Noroton Heights, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner or similar article. 167,512, Aug. 19.

Guillon, Silas J., assignor of one-half to A. D. Andreef, Champlain, N. Y. Chair. 168,501, Dec. 30.

Guilmette, Arthur C., Sr., Bristol, Conn. Television lamp. 166,665, May 6.

Guior, Armand M., Brooklyn, N. Y. Biscuit box. 168,502, Dec. 30.

Gulotta, Peter J., Rockford, Ill. Rack for combs or similar articles. 167,458, Aug. 12.

Gunning, Joseph H., Los Angeles, Calif. Cart for transporting a golf bag or the like. 166,464, Apr. 15.

Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Combined barbecue ment cooker and bun toaster. 167,077, June 24.

Guttman, Edward, New York, N. Y. Knitted dress. 166,187, Mar. 18.

Guttman, Edward, New York, N. Y. Knitted dress. 166,188, Mar. 18.

Guttman, Edward, New York, N. Y. Knitted dress. 166,189, Mar. 18.

Guttman, Edward, New York, N. Y. Knitted dress. 166,190, Mar. 18.

Guttman, Edward, New York, N. Y. Knitted dress. 166,256, Mar. 25.

Guy, Joseph, Quebec, Quebec, Canada. Table lamp. 168,298, Dec. 2.

Gyrodyne Company of America, Inc., assignee: *See*—
Clewlow, Geoffrey G.

Haars, Florence D. K., Beaufort, S. C. Bottle coaster. 167,207, July 8.

Haas, Kenneth C., Eggertsville, N. Y. Artificial fireplace. 166,077, Mar. 4.

Hacker, Hans, East Liverpool, assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 168,262, Nov. 25.

Haddock, Kenneth E.: *See*—
Michaels, John L., Loesch, Haddock, and Davis.

Hadges, D. G., Rosemead, Los Angeles County, Calif. Trailer. 166,191, Mar. 18.

Haeger Potteries, Inc., The, assignee: *See*—
Conover, Helen.

Hafner Associates, Inc., assignee: *See*—
Petracek, Vaclav.

Haines, Raymond, Philadelphia, Pa., assignor to Champion Plastics Corp., New York, N. Y. Puzzle charm or similar article. 167,570, Aug. 26.

Halbeisen, John F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Dehumidifier. 165,750, Jan. 29.

Haliniewski, John, Irvington, N. J. Nail clip. 168,029, Oct. 28.

Hall, Clarence R., Jacksonville, Fla. Bottle. 167,208, July 8.

Hall, Frank G., Chicago, Ill. Hair curling device. 165,684, Jan. 15.

Hall, Leigh B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Substage condenser for microscopes. 165,648, Jan. 8.

Hall, Robert, Philadelphia, Pa. Combination television chair and table unit. 168,446, Dec. 23.

Hallas, Paul G., Grand Rapids, Mich. Flower planter. 168,503, Dec. 30.

Hallbauer, Walter, Union City, N. J. Embroidered eyelet fabric. 166,391, Apr. 8.

Hallbauer, Walter, Union City, N. J. Narrow embroidered eyelet trimming. 166,963, June 10.

Hallbauer, Walter, Union City, N. J. Narrow embroidered eyelet trimming. 166,964, June 10.

Hallward, Michael, Swampscott, assignor to Stylon Corporation, Milford, Mass. Tissue holder. 167,890, Oct. 7.

Hallward, Michael, Swampscott, assignor to Stylon Corporation, Milford, Mass. Toothbrush holder. 167,891, Oct. 7.

Hallward, Michael, Swampscott, assignor to Stylon Corporation, Milford, Mass. Towel bar. 167,892, Oct. 7.

Hallward, Michael, Swampscott, assignor to Stylon Corporation, Milford, Mass. Tumbler holder. 167,893, Oct. 7.

Hallward, Michael, Swampscott, assignor to Stylon Corporation, Milford, Mass. Paper holder. 167,894, Oct. 7.

Hallward, Michael, Swampscott, assignor to Stylon Corporation, Milford, Mass. Soap holder. 167,895, Oct. 7.

Haloid Company, The, assignee: *See*—
Mayo, Clyde R.

Halpern, Joseph, New York, N. Y. Hair clasp. 167,571, Aug. 26.

Halton, Robert C., Fort Worth, Tex. Finger ring. 166,309, Apr. 1.

Haman, Ralph W., Flossmoor, A. B. Girardy, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Spandrel panel. 165,977, Feb. 19.

Haman, Ralph W., Flossmoor, A. B. Girardy, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Spandrel panel. 165,978, Feb. 19.

Haman, Ralph W., Flossmoor, A. B. Girardy, Park Forest, and C. V. Norby, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 168,346, Dec. 9.

Hambuechen, Eleonore, Huntington, N. Y. Tile. 167,311, July 22.

Hambuechen, Eleonore, Huntington, N. Y. Tile. 167,402, Aug. 5.

Hamilton, Bertis F., Columbus, Ind. Child's rocking chair. 166,035, Feb. 26.

Hamilton, Bertis F., Columbus, Ind. Step stool. 166,078, Mar. 4.

Hamilton, Bertis F., Columbus, Ind. Chair. 166,192, Mar. 18.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 166,965, June 10.

Hamilton Watch Company, assignee: *See*—
Vermot, Henri E.

Hamlin, Lewis W., Little Rock, Ark., Foundation ventilator grille. 165,580, Jan. 1.

Hammerman, Benjamin, Elmhurst, N. Y. Combined watch bracelet and watch. 167,459, Aug. 12.

Hampshire, John C., New Haven, assignor to Bridgeport Brass Company, Bridgeport, Conn. Cooking utensil cover. 165,916, Feb. 12.

Hampshire, John C., New Haven, assignor to Bridgeport Brass Company, Bridgeport, Conn. Cooking utensil. 165,917, Feb. 12.

Handkamer, Chris R., Winnipeg, Manitoba, Canada. Fish lure. 166,855, May 27.

Handler, Elliot, Los Angeles, Calif. Savings bank. 167,312, July 22.

Hanes Hosiery, Inc., assignee: *See*—
Colombo, Grace J.

Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Clutch pencil or similar article. 166,161, Mar. 11.

Hanna, Edward C., Waynesboro, Pa., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding machine. 165,714, Jan. 22.

Hanscom, Joan, Providence, R. I. Hood ornament for automobiles. 167,746, Sept. 16.

Hansen, Joseph V., and F. P. Stewart, Salt Lake City, Utah. Tie rack. 168,299, Dec. 2.

Hansen, Julius E., Providence, R. I. Goggle. 167,209, July 8.

Hansen, Lucille E.: *See*—
Hanssen, Stan B., and Hansen.
Hansen, Ray: *See*—
Fosler, Donald R., and Hansen.
Hanson, Arnold E., Evanston, Ill. Spray and polishing head or similar article. 165,837, Feb. 5.
Hanson, Ernest W., assignee: *See*—
Thornton, George D.
Hanson Scale Company, assignee: *See*—
Hanssen, Stan B., and Hansen.
Hanssen, Stan B., Kenilworth, and L. E. Hansen, Barrington, assignors to Hanson Scale Company, Chicago, Ill. Postal scale. 166,856, May 27.
Hantz, Benjamin F.: *See*—
Baustian, Raymond A., Barth, Burke, and Hantz.
Happe, Melvin J.: *See*—
Hill, George B., and Happe.
Harano, Katsumi G., Los Angeles, Calif. Blanket holder. 168,222, Nov. 18.
Hardman, Rena B., Los Angeles, Calif. Overshoe. 166,912, June 3.
Hardy, William H., New York, N. Y. Handbag. 168,300, Dec. 2.
Hardy, William H., River Edge, N. J. Handbag. 166,465, Apr. 15.
Hardy, William H., River Edge, N. J. Handbag. 166,668, May 6.
Harlan, James M., Lawrenceville, Ill. Clothespin. 167,979, Oct. 21.
Harmon, Darell B., Austin, Tex., assignor to American Seating Company, Grand Rapids, Mich. Double desk unit. 167,145, July 1.
Harms, Lewis W., Denver, and L. Harms, Loveland, Colo. Ash tray. 167,513, Aug. 19.
Harms, Lillian: *See*—
Harms, Lewis W. and L.
Harnischfeger Corporation, assignee: *See*—
Klingner, Carl E.
Harper, Ewing, San Francisco, Calif. Ash tray. 168,223, Nov. 18.
Harper, Ewing, San Francisco, Calif. Ash tray. 168,224, Nov. 18.
Harris, Olga D., assignor of one-half to M. W. Banowetz, New Orleans, La. Trolling device. 165,581, Jan. 1.
Harris, Olga D., New Orleans, La. Trolling device. 168,399, Dec. 16.
Harris, Todd, Stony Brook, N. Y. Line level. 168,400, Dec. 16.
Harris, Todd, Stony Brook, N. Y. Bubble level. 168,401, Dec. 16.
Harris, William C., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Aerosol spray head. 166,536, Apr. 22.
Harris, William C., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Aerosol spray head. 166,537, Apr. 22.
Harrison, Faye De Ette, San Francisco, Calif. Therapeutic machine. 168,447, Dec. 23.
Harrison, Mary, Oakland, Calif. Dispensing cabinet. 166,310, Apr. 1.
Harrison, Seymour, Brooklyn, assignor to Plastics Innovations, Inc., New York, N. Y. Inflated toy. 165,649, Jan. 8.
Harrowe, Elliott, Hollis, N. Y. Inflatable water toy. 167,078, June 24.
Hart & Cooley Manufacturing Co., assignee: *See*—
De Roo, William C.
De Roo, William C., Winchester, and Kletzman.
Hartman, Sanford H., Forest Hills, N. Y. Teapot or similar article. 166,603, Apr. 29.
Hartman, Theodore A., Monroe, Wis. Card display stand. 167,627, Sept. 2.
Hartup, Frederick W., Puente, Calif., assignor to Modern Village Stores, Inc. Check stand or similar article. 166,193, Mar. 18.
Harvey, Norman J.: *See*—
Zank, Donald G., and Harvey.
Hasenstab, Bernhard, Akron, assignor to Coventry Ware, Inc., Barberton, Ohio. Combined holder and measuring spoons. 167,747, Sept. 16.
Hat Corporation of America, assignee: *See*—
Maxwell, Paul M., and Wiach.
Hatch, William H., Pittsburg, Calif. Flexible clamp for jewelry parts. 168,402, Dec. 16.
Haug, Thaddeus L. E., Berkeley, Calif. Multiple pointer for pencils. 167,896, Oct. 7.
Hausfeld, Betty A., Loveland, and C. G. Tooker, Cincinnati, assignors to So-Lo Works Incorporated, Loveland, Ohio. Lady's boot. 167,980, Oct. 21.
Havas, Andrew, New York, N. Y. Spectacle frame. 168,263, Nov. 25.
Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 168,030, Oct. 28.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 168,347, Dec. 9.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 168,504, Dec. 30.
Hayes, Bernard L., Asheville, N. C. Game board. 166,913, June 3.
Hayes, Robert M., Weston, Mass. Baby teether. 168,505, Dec. 30.
Hayes, Robert M., Weston, Mass. Baby teether. 168,506, Dec. 30.
Hayward, Theodore W., assignor to Stoneward, Inc., North Platte, Nebr. Overshoe. 168,301, Dec. 2.
Hazel-Atlas Glass Company, assignee: *See*—
Baird, William H.
Smith, Frasier.
Heatbath Appliances, Inc., assignee: *See*—
Du Fault, Homer D.
Heath Company, assignee: *See*—
Anthony, Howard E.
Hebel, Fred, Corporation, assignee: *See*—
Hebel, Fred.
Hebel, Fred, assignor to Fred Hebel Corporation, Chicago, Ill. Vending machine or similar article. 165,751, Jan. 29.
Hedu, Jon, assignor to The Watertown Manufacturing Company, Watertown, Conn. Dish. 168,031, Oct. 28.
Hedu, Jon, assignor to The Watertown Manufacturing Company, Watertown, Conn. Egg cup or similar article. 168,092, Nov. 4.
Hedwin Corporation, assignee: *See*—
Gressitt, Tillman J.
Shewell, George F.
Heffern, William L., St. Petersburg, Fla. Leveling instrument. 166,079, Mar. 4.
Heffern, William L., St. Petersburg, Fla. Leveling support for carpenter's level. 167,079, June 24.
Heftel, Laurence, Palm Beach, Fla. Combined chest of drawers and clothes rack. 167,460, Aug. 12.
Heftel, Laurence, Palm Beach, Fla. Combined chest of drawers and clothes rack. 167,461, Aug. 12.
Heftler-Louiche, Serge, Paris, France. Atomizer. 167,981, Oct. 21.
Heiland Research Corporation, assignee: *See*—
Pennock, Robert L., Jr., and Breer.
Heim, Jan, New York, N. Y. Spinning toy. 165,752, Jan. 29.
Heiman, Arthur S., New York, N. Y. Textile fabric or similar article. 167,347, July 29.
Heiman, Arthur S., New York, N. Y. Textile fabric or similar article. 167,348, July 29.
Heiner, Glen P., Salt Lake City, Utah. Fishing lure. 168,507, Dec. 30.
Heintz Manufacturing Company, assignee: *See*—
Lambert, Francis M.
Heinz, H. J., Company, assignee: *See*—
Menefee, Samuel W., Jr.
Heinz, James I., Arlington, Va. Mailbox house. 166,749, May 13.
Heinze, Walter O., Swarthmore, Pa., assignor to International Latex Corporation. Seat cushion display unit. 166,080, Mar. 4.
Heisler, Harry F., Hudson, Iowa. Overdrive housing. 166,669, May 6.
Helfenbein, Stanley, Miami, Fla. Illuminable house sign. 166,392, Apr. 8.
Heller, Henrietta B.: *See*—
La Vielle, Marion N., and Heller.
Heller, Robert, New York, N. Y., assignor to C. H. Masland & Sons, Carlisle, Pa. Carpet. 167,982, Oct. 21.
Heller, Robert, New York, N. Y., assignor to C. H. Masland & Sons, Carlisle, Pa. Carpet. 167,983, Oct. 21.
Heller, Robert, New York, N. Y., assignor to C. H. Masland & Sons, Carlisle, Pa. Carpet. 167,984, Oct. 21.
Helmco, Inc., assignee: *See*—
Gunther, Frederick F.
Hennessy, Daniel J., New York, N. Y. Plaque. 167,748, Sept. 16.
Henry, Andrew J., El Paso, Tex. Game board. 166,393, Apr. 8.
Hense, Emma C., Centralia, Wash. Cup. 166,311, Apr. 1.
Hepner, Morton, New York, N. Y. Handle for a spoon, fork, or similar article. 166,914, June 3.
Herbert, Sidney J., Hayes End, assignor to Stenor Limited, Richmond, England. Frame of a vulcanizing machine. 167,628, Sept. 2.
Hercules Steel Products Corporation, assignee: *See*—
Altemiller, Arthur D.
Hering, Sara, assignee: *See*—
Buzasi, Eugene.
Hermal Shoe Company, Inc., assignee: *See*—
Maling, Roy.
Herold, Homer G., Jamestown, Calif. Cutting tool. 166,394, Apr. 8.
Herrmann, Edward E., assignor to The Studebaker Corporation, South Bend, Ind. Medallion. 166,466, Apr. 15.
Herron, Marshall, Sacramento, Calif. Brush cleaner for floors and walls. 165,753, Jan. 29.
Herschede Hall Clock Company, The, assignee: *See*—
Woodruff, William N.
Herst, Richard J., assignor to C. C. Buehler, Chicago, Ill. Combined dupilcator moistener and roller. 167,210, July 8.
Herter, George L., Waseca, Minn. Duck decoy. 165,754, Jan. 29.
Herzog, Jesse T.: *See*—
Manne, Max, and Herzog.
Hettrick Manufacturing Company, The, assignee: *See*—
Reinecke, Jean O.
Wallace, Earl C., and Chalmers.
Williams, Richard D.
Hewitt, Rhodam G. W.: *See*—
Ward, Victor H., and Hewitt.

Heyer Corporation, The, assignee: *See*—
Williams, Richard D.
Heyman, Ruth J., Birmingham, Ala. Doll. 168,093, Nov. 4.
Heywood-Wakefield Company, assignee: *See*—
Carr, William J.
Hicks, Edward R., West Los Angeles, Calif. Combination contour chair and ottoman or similar article. 167,514, Aug. 19.
Hieger, Robert H., Detroit, Mich. Automobile ornament or the like. 167,833, Sept. 30.
Higginson, George J., Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, Stoke-on-Trent, England. Plate or similar article. 165,838, Feb. 5.
Higginson, George J., Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, England. Plate or similar article. 168,032, Oct. 28.
Hildebrand, Robert G., St. Louis, Mo. Infant's shoe. 167,834, Sept. 30.
Hill, Don R., deceased, Warren, Ohio; M. H. Hill, executrix of said D. R. Hill. Combined air motor and hydraulic pump. 165,839, Feb. 5.
Hill, George B., Celina, Ohio, and M. J. Happe, assignors to New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Trail mower. 167,798, Sept. 23.
Hill, Martha H., executrix: *See*—
Hill, Don R.
Hiltenbrand, Frank X., Ridgefield, N. J. Combined wallet and purse. 166,857, May 27.
Hires, Charles E., Co., The, assignee: *See*—
Parcher, James H.
Hirst, Sheldon F., assignee: *See*—
Rasmussen, Randall.
Hirst, Willard J., assignee: *See*—
Rasmussen, Randall.
Hitchcock, Richard E., Birmingham, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Grip for cooking range door. 167,749, Sept. 16.
Hobbs, Arthur G., Baltimore, Md., assignor of one-tenth to M. S. White. Game board. 165,918, Feb. 12.
Hoburt Hosiery Corporation, assignee: *See*—
Berusch, Philip.
Berusch, Howard.
Hockery, John C., trustee, assignee: *See*—
Talge, Henry J., and Aberer.
Hodaly, Emerick, Detroit, Mich. Ash tray. 167,349, July 29.
Hodgman, Howard P., Morganton, assignor to Drexel Furniture Company, Drexel, N. C. Combination cocktail and dining room table or similar article. 168,508, Dec. 30.
Hofgesang, James M., San Francisco, Calif. Chair. 167,040, Oct. 14.
Hoff, Harry J.: *See*—
Hoff, Stephen J. and H. J.
Hoff, Stephen J. and H. J., assignors to Hoffco, Inc., Richmond, Ind. Power trimmer. 165,919, Feb. 12.
Hoffco, Inc., assignee: *See*—
Hoff, Stephen J. and H. J.
Hoffer, William, New York, N. Y. Smoking dragon ash tray. 167,261, July 15.
Hoffman, Larry, assignor to Perfumatic of Canada Limited, Toronto, Ontario, Canada. Automatic perfume dispenser. 165,650, Jan. 8.
Hoffman Radio Corporation, assignee: *See*—
Portanova, Joseph D.
Hogan, Daniel E., Jr., Andover, assignor to Bolta Products Sales, Inc., Lawrence, Mass. Quilted plastic film material or the like. 165,840, Feb. 5.
Hogan, Daniel E., Jr., Andover, assignor to Bolta Products Sales, Inc., Lawrence, Mass. Quilted plastic film material or the like. 165,841, Feb. 5.
Hohner, Walter, Trossingen, Germany. Mouth organ. 166,750, May 13.
Holiday Hosiery Corp., assignee: *See*—
Sell, Stanley.
Holland, Raymond T., Macon, Mo. Safety light. 166,312, Apr. 1.
Hollander, Felix N., Coeur d'Alene, Idaho. Combined lamp and stand. 167,629, Sept. 2.
Hollis, Norman, London, England, assignor, by mesne assignments, to Thomas Manufacturing Corporation, Newark, N. J. Toy cow. 166,395, Apr. 8.
Holly Mills, Inc., assignee: *See*—
Shilin, Abe, and Denworth.
Hollywood Accessories, Incorporated, assignee: *See*—
Shaeffer, Norbert.
Holmes, Clarence E., Tallahassee, Fla. Combined bank and ash tray. 168,094, Nov. 4.
Holophane Company, Inc., assignee: *See*—
Franck, Kurt.
McPhail, Robert G.
Schreckengost, Viktor.
Holt, Elizabeth C., Los Angeles, Calif. Hand glare shield. 165,979, Feb. 19.
Holt, Laird B., Palo Alto, Calif. Football blocking protector. 168,302, Dec. 2.
Holt, William E., Oakland, Calif. Paint-mixing machine. 165,920, Feb. 12.
Holt, William E., Oakland, Calif. Portable solution tank for rug shampoo machines or the like. 168,225, Nov. 18.
Holz, Nathan, Long Island City, N. Y. Medal. 165,842, Feb. 5
Homan, Isabel G. E., Phoenix, Ariz. Game table. 167,146, July 1.
Home Decorators, Inc., assignee: *See*—
Errill, Frederick F.
Hommer, Julius J., Union, N. J. Jewelry display package or similar article. 167,688, Sept. 9.
Hommer, Julius J., Union, N. J. Jewelry display package or similar article. 167,689, Sept. 9.
Hommer, Julius J., Union, N. J. Jewelry display rack. 168,448, Dec. 23.
Homola, George J., Berwyn, Ill. Tie hanger. 168,264, Nov. 25.
Honig, John H., Long Beach, Calif. Hair holding clamp. 168,449, Dec. 23.
Hooven, Florence S., executrix: *See*—
Hooven, Howard D.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,843, Feb. 5.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 165,844, Feb. 5.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 166,467, Apr. 15.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 166,468, Apr. 15.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 166,469, Apr. 15.
Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, Pa., assignor to Quaker Lace Company. Tablecloth. 166,470, Apr. 15.
Hoover Company, The, assignee: *See*—
Dreyfuss, Henry.
Hopgood, Robert B., Cheshire, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 167,690, Sept. 9.
Hopkins, Austin D., assignor to The Wigginton Company, Kalamazoo, Mich. Case for electrical testing instrument. 167,403, Aug. 5.
Hoppel, Clarence, Blair, Nebr. Tank truck body. 166,670, May 6.
Horn, William C., Orange, N. J. Cribbage board. 165,651, Jan. 8.
Horne, Willard R., New York, assignor to Corning Glass Works, Corning, N. Y. Tumbler or similar article. 165,755, Jan. 29.
Horning, Wesley L., Fort Collins, Colo. Citrus peeler or similar article. 165,582, Jan. 1.
Hosmer, Max E., assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 168,450, Dec. 23.
Hotpoint Inc., assignee: *See*—
Sandin, Ray C.
Houghtelling, Ayres C., Washington, D. C., assignor to International Railplane Corporation, Nassau, Bahamas. Supporting structure for an overhead two-lane trackway. 167,515, Aug. 19.
House, Thomas B., assignor of one-half to H. H. Prall, Danville, Ky. Dripless pitcher. 168,033, Oct. 28.
House, Thomas B., Bardstown, assignor of one-half to H. H. Prall, Danville, Ky. Pitcher. 167,147, July 1.
Howard, Albert, Brooklyn, N. Y. Orange peeler. 165,980, Feb. 19.
Howard, Edgar F., Milwaukie, Oreg., assignor to The Plomb Tool Company, Los Angeles, Calif. Tool display stand. 168,095, Nov. 4.
Howard, Jules, San Jose, Calif. Box for wrist watch and parts therefor. 166,194, Mar. 18.
Howard, Jules, San Jose, Calif. Box for wrist watch and parts therefor. 166,195, Mar. 18.
Howell, Glenn M., Atlanta, Ga. Building. 168,509, Dec. 30.
Hoylman, Robert E., Chicago, Ill. Tie rack. 168,265, Nov. 25.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Vaporizer. 167,044, June 17.
Hudson, Forrest H.: *See*—
Olson, Carl J., Bobo, and Hudson.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Side mounted lantern. 166,966, June 10.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Hanging lantern. 167,080, June 24.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Ceiling lighting fixture. 167,081, June 24.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Pendant fixture for sanctuary side lighting. 167,691, Sept. 9.
Huesman, Robert P., South Fort Mitchell, Ky. Combined tobacco pouch and lighter. 167,572, Aug. 26.
Huffman, Conrad W., Big Bear Lake, Calif. Airplane. 167,211, July 8.
Huffman Manufacturing Company, The, assignee: *See*—
Abel, Frederick, and Viemeister.
Hughes, Douglas B., Montreal, Quebec, Canada. Traffic light signal. 168,403, Dec. 16.
Hughes, George E., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Unit heater. 165,845, Feb. 5.

Hughes, James C., New City, N. Y. Combined switch plate and thermometer plate. 167,897, Oct. 7.
Hughes, John J., Jr., and C. B. Stevens, assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermostat housing. 166,538, Apr. 22.
Hula, Jutta C., Pittsburgh, Pa. Doll. 168,096, Nov. 4.
Hume, George B., Kansas City, assignor to Hume Manufacturing Company, North Kansas City, Mo. Wire receptacle. 167,262, July 15.
Hume Manufacturing Company, assignee: *See*— Hume, George B.
Hunt, Robert, Saginaw, Mich. Cigarette dispenser. 165,685, Jan. 15.
Hussey, John, High Point, N. C. Ear protector against heat and air from hair driers. 166,313, Apr. 1.
Husted, Earl F., Kansas City, Mo. Article holding rack for tables. 165,981, Feb. 19.
Hutchason, Willis K., Los Angeles, Calif. Chair. 166,539, Apr. 22.
Huth, George A., Jackson, Miss., assignor to Sears, Roebuck and Co., Chicago, Ill. Combined sewing machine cabinet and seat. 167,404, Aug. 5.
Huth, George A., Jackson, Miss., assignor to Sears Roebuck and Co., Chicago, Ill. Combined sewing machine cabinet and seat. 167,405, Aug. 5.
Huthsing, Charles K., assignor to The General Pacific Corporation, Los Angeles, Calif. Fire extinguisher. 167,630, Sept. 2.
Hvale, James L.: *See*— Newman, Charles H., and Hvale.
Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Juice extractor. 167,692, Sept. 9.
Hyman, Sidney, New York, N. Y. Handbag. 167,263, July 15.
Hyman, Sidney, New York, N. Y. Handbag. 167,264, July 15.
Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Electric hair clipper. 166,751, May 13.
Ikeda, Fred K.: *See*— Farrington, Thayer B. and R. K., Ikeda, and Mercer.
Imershein, Mathias, assignor to Graceform-Camlin Corset Co., Inc., New York, N. Y. Brassière. 167,631, Sept. 2.
Imperial Lighting Products Company, Inc., assignee: *See*— Wilson, Paul D.
Imsdahl, Allan J., assignor to Brown & Bigelow, St. Paul, Minn. Holder for playing cards or the like. 168,510, Dec. 30.
Ingham, Herbert S., Roslyn Estates, and C. K. Wilson, East Williston, assignors to Metallizing Engineering Co. Inc., Long Island City, N. Y. Lawn sprinkler. 165,756, Jan. 29.
Ingolia, Anthony J., Jr., Chicago, Ill. Lamp. 165,652, Jan. 8.
Ingraham, E., Company, The, assignee: *See*— Dreyfuss, Henry.
Ingram, William A., Lea Bridge, London, England. Toy balloon. 168,451, Dec. 23.
Injection Molding Company, assignee: *See*— Barton, Murray M. Marchant, Paul A.
International Engineering, Inc., assignee: *See*— Koeber, Theodore H.
International Furniture Company, assignee: *See*— Dorr, Robert, Jr.
International Harvester Company, assignee: *See*— Koeber, Theodore H., Dales, and Chapman. Lee, Fred A. McElroy, Roy H. Ornas, Theodore, Jr.
International Latex Corporation, assignee: *See*— Heinze, Walter O.
International Oil Burner Co., assignee: *See*— Bowman, Mark L.
International Railplane Corporation, assignee: *See*— Houghtelling, Ayres C.
International Silver Company, The, assignee: *See*— Doerfler, Robert L.
Interstate Engineering Corporation, assignee: *See*— Russell, Edward P.
Intertherm A. G. Fabrik fur elektrische Apparate (Intertherm S. A. Fabrique d'apparells electriques), assignee: *See*— Gallay, Francis.
Ippolito, Domenick, Glendale, Calif. Doll cradle. 165,921, Feb. 12.
Ippolito, Domenick, Glendale, Calif. Doll buggy. 167,212, July 8.
Ireland, Frederick L.: *See*— Fisher, Max, and Ireland.
Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Electric sadiron. 165,757, Jan. 29.
Ironwood Trailer Coaches, Inc., assignee: *See*— Becker, Charles H.
Irmischer, Paul H., Chicago, Ill. Lamp. 167,693, Sept. 9.
Irmischer, Paul H., Chicago Ill. Lamp. 167,694, Sept. 9.
Ischinger, Alfred E., Reading, Pa. Stocking. 166,162, Mar. 11.
Ischinger, Alfred E., Reading, Pa. Stocking. 166,163, Mar. 11.
Ischinger, Alfred E., Reading, Pa. Stocking. 166,164, Mar. 11.
Ischinger, Alfred E., Reading, Pa. Stocking. 166,165, Mar. 11.
Ischinger, Alfred E., Reading, Pa. Stocking. 167,350, July 29.
Ischinger, Alfred E., Reading, Pa. Stocking. 167,351, July 29.
Ischinger, Alfred E., Reading, Pa. Stocking. 167,352, July 29.
Ischinger, Alfred E., Reading, Pa. Stocking. 167,353, July 29.
Ischinger, Alfred E., Reading, Pa. Stocking. 167,354, July 29.
Ischinger, Alfred E., Reading, Pa. Stocking. 167,355, July 29.
Ischinger, Alfred E., Reading, Pa. Stocking. 168,452, Dec. 23.
Ischinger, Alfred E., Reading, Pa. Stocking. 168,453, Dec. 23.
Ish-Shalom, Samu-El, New York, N. Y. Nesting cart. 165,758, Jan. 29.
Ish-Shalom, Samu-El, New York, N. Y. Set of ornamental initials for spectacle fronts. 168,034, Oct. 28.
Ish-Shalom, Samuel, New York, N. Y. Spectacle front. 168,097, Nov. 4.
Ish-Shalom, Samu-El, New York, N. Y. Set of ornamental initials for spectacle fronts. 168,154, Nov. 11.
Isley, Jacob D., Snow Camp, assignor to Liberty Hosiery Mills, Inc., Liberty, N. C. Stocking. 167,695, Sept. 9.
Issenberg, Daniel: *See*— Issenberg, Milton D. and J.
Issenberg, Joseph: *See*— Issenberg, Milton D. and J.
Issenberg, Milton, D., and J., Methuen, Mass. Savings bank bottle. 168,155, Nov. 11.
Iwaniec, Mary J., Bartow, Fla. Collar or the like. 166,915, June 3.
J. G. Furniture Co., Inc., assignee: *See*— Komai, Ray.
Jack & Heintz Precision Industries, Inc., assignee: *See*— Merkel, Arthur J.
Jackson, Claude, Cincinnati, Ohio, assignor to S. Adamchels, Springfield, Mass. Combined child's bed, clothes press, and chest. 167,632, Sept. 2.
Jacobs, Arthur F., San Francisco, assignor to B. Roberts, Los Angeles, Calif. Lamp. 167,516, Aug. 19.
Jacobs Manufacturing Company, The, assignee: *See*— Muller-Munk, Peter.
Jacobs, Nan, Topeka, Kans. Clothes sprinkler. 168,035, Oct. 28.
Jacobson, Kate, assignee: *See*— Rothstein, Isidore.
Jacobson, Louis, New York, N. Y. Spectacle front. 168,156, Nov. 11.
Jacoby-Bender, Inc., assignee: *See*— Krust, Walter. Rodriguez, Emil.
Jagemann, Nicholas B., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Percolator top. 165,846, Feb. 5.
Jager, Christian F., Cranston, R. I., assignor to Armbrust Chain Company. Ornamental chain. 165,847, Feb. 5.
Jahncke, Roger H., assignor to "Jancke S. A.," Geneva, Switzerland. Clock or similar article. 166,314, Apr. 1.
Jaksch, Mathias F., Jersey City, N. J. Salt dispenser or similar article. 167,633, Sept. 2.
James, Jeanette, Chicago, Ill. Combined bookrack and floor lamp. 167,835, Sept. 30.
Jamison, Alfred R., Quantico, Va. Golf club head. 167,941, Oct. 14.
"Jancke S. A.," assignee: *See*— Jahncke, Roger H.
Janes, Richard B., assignor to Gibson Refrigerator Company, Greenville, Mich. Household refrigerator. 166,752, May 13.
Janes, Richard B., Baldwin Lake, Greenville, assignor to Gibson Refrigerator Company, Greenville, Mich. Handle for a refrigerator door latch. 166,916, June 3.
Janes, Richard B., Baldwin Lake, assignor to Gibson Refrigerator Company, Greenville, Mich. Combined backsplasher and top for electric ranges. 166,967, June 10.
Janoff, Karl P., Belleville, N. J. Combined shoe horn and comb. 166,315, Apr. 1.
Jaxton Manufacturing Corporation, assignee: *See*— Klein, Milton F.
Jay, Benjamin F., and M. Feintuch, Brooklyn, assignors to Magnafax Corporation, New York, N. Y. Musical instrument. 165,922, Feb. 12.
Jeannette Glass Company, The, assignee: *See*— Todd, Kirkland W.
Jenkins, Howard M., Jr., Detroit, Mich., assignor to Montgomery Steel Products, Birdsboro, Pa. Automobile grille guard. 166,036, Feb. 26.
Jensen, Lee, Chattanooga, Tenn. Rack for supporting a therapeutic compress in a liquid bath. 167,356, July 29.
Jensen, Lee, Chattanooga, Tenn. Rack for supporting a therapeutic compress in a liquid bath. 167,985, Oct. 21.
Jensen, Carl L., Telluride, Colo. Christian flag. 165,759, Jan. 29.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Control knob for a food mixer or the like. 165,686, Jan. 15.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Food mixer or the like. 165,848, Feb. 5.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Display case for an electrical appliance. 167,148, July 1.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Food mixer or the like. 167,149, July 1.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Combined base and upright for a food mixer or the like. 167,150, July 1.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Baby bottle warmer. 167,462, Aug. 12.
Jergens, Andrew, Company, The, assignee: *See*— Sittason, Charles M.
Jernigan, Albert V., Dallas, Tex. Lighting fixture. 166,671, May 6.
Jewell, Bernard W., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Room air conditioning unit. 167,898, Oct. 7.
Jezowski, Zosia, Orange, N. J., assignor to Corning Glass Works, Corning, N. Y. Tumbler or similar article. 166,858, May 27.
Joannides, Nicholas, Ames, Iowa. Combination screwdriver, cap remover, envelope opener, and nail file. 167,899, Oct. 7.
Johns, Dorothy, assignor of one-half to G. D. Berdan, Fort Worth, Tex. Earring holder or similar article. 166,196, Mar. 18.
Johnson, Benjamin H., Mason, and W. W. Welch, Jr., assignors to W. W. Welch, Cincinnati, Ohio. Twin window fan. 165,583, Jan. 1.
Johnson Bros. (Hanley) Limited, assignee: *See*— Higginson, George J.
Johnson, Carl N.: *See*— Cherry, Peter W., and Johnson.
Johnson, Carl N., Stratford, Conn., assignor to General Electric Company. Combined suction cleaner handle fitting and hose connection. 165,653, Jan. 8.
Johnson, Clarence L., Encino, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 165,687, Jan. 15.
Johnson, Clarence L., Encino, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 165,688, Jan. 15.
Johnson, Clarence V., Yates Center, Kans. Vanity case. 168,454, Dec. 23.
Johnson, Ellis M., Chicago, Ill. Wall shelf. 168,455, Dec. 23.
Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill. Sheet support for an automatic sheet feeding machine or the like. 167,403, Aug. 12.
Johnson, Elster H., San Francisco, Calif. Table or similar article. 165,584, Jan. 1.
Johnson, Gordon, Company, assignee: *See*— Zebarth, Ralph S.
Johnson, Hugo A., Brooklyn, N. Y. End stand or similar article. 167,573, Aug. 26.
Johnson, Inez M., Nedrow, N. Y. Television cabinet. 166,081, Mar. 4.
Johnson, S. C., & Son, Inc., assignee: *See*— Harris, William C. Kersh, Ralph C. Palma, Joseph, Jr.
Johnson, Velma D., Portland, Oreg. Hat. 165,715, Jan. 22.
Johnston Lawn Mower Corporation, assignee: *See*— Wilkin, Ellsworth D.
Jonaitis, Alfred S., New York, N. Y. Tie hanger. 167,986, Oct. 21.
Jones, Alva R., assignor to The Northwestern Corporation, Morris, Ill. Selective merchandise vending machine. 165,760, Jan. 29.
Jones, Arthur K., Rumford, R. I. Goggle front. 166,257, Mar. 25.
Jones, Aubrey L., assignee: *See*— Ulrich, Solomon D.
Jones, Basil E., Flossmoor, and C. V. Norby, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway vehicle. 168,036, Oct. 28.
Jones, Charles H., Jr.: *See*— Otterberg, Herbert C., and Jones.
Jones, Daniel C., assignor to Kwik-Mix Company, Port Washington, Wis. Plaster mixer. 168,226, Nov. 18.
Jones, Eugenie J., Webster Groves, Mo. Informal card or the like. 166,037, Feb. 26.
Jones, Eugenie J., Webster Groves, Mo. Greeting card or the like. 166,038, Feb. 26.
Jones, Eugenie J., Webster Groves, Mo. Sheet of stationery or the like. 166,604, Apr. 29.
Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Drawer pull. 166,806, May 20.
Jones, Maurice W., Baytown, Tex. Silverware placemat. 167,942, Oct. 14.
Jones, Paul L., Lakegrove, Oreg. Egg tongs. 165,689, Jan. 15.
Jones, Whitney W., Philadelphia, Pa. Parking meter housing. 166,753, May 13.
Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Crucifix. 168,511, Dec. 30.
Jordan, Rush, Dillon, Mont. Drafting template. 165,849, Feb. 5.
Joslyn, Stuart S., assignor to C. J. Bates & Son, Chester, Conn. Manicure kit. 165,761. Jan. 29.
Joy Manufacturing Company, assignee: *See*— Bebinger, Charles N.
Judson, Nathaniel, New York, assignor to Mojud Hosiery Co., Inc., Long Island City, N. Y. Lady's stocking. 166,197, Mar. 18.
Judson, Nathaniel, New York, assignor to Mojud Hosiery Co., Inc., Long Island City, N. Y. Lady's stocking. 166,198, Mar. 18.
Judson, Nathaniel, New York, assignor to Mojud Hosiery Co., Inc., Long Island City, N. Y. Lady's stocking. 167,634, Sept. 2.
Juergens, John, McHenry, Ill. Lamp. 166,316, Apr. 1.
Juhas, Michael, Torrington, Conn., assignor to General Time Corporation, New York, N. Y. Time stamp case. 166,754, May 13.
Julian & Kokenge Company, The, assignee: *See*— Stock, Otto F.
Junghans, Max, Boonton, N. J., assignor to Van Raalte Company, Inc., New York, N. Y. Stocking. 166,471, Apr. 15.
Kadison, David E., New York, N. Y. Handbag. 165,585, Jan. 1.
Kahn, Lester, Jersey City, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 166,968, June 10.
Kahn, Lester R., Jersey City, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 167,987, Oct. 21.
Kahn, Lester R., Jersey City, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 167,988, Oct. 21.
Kairalla, Eleanor, New York, N. Y. Cap. 166,317, Apr. 1.
Kairalla, Eleanor, New York, N. Y. Stole. 167,406, Aug. 5.
Kalamazoo Sled Company, assignee: *See*— Vavrik, Louis.
Kalex Corporation, assignee: *See*— Clarke, Warren H.
Kamborian, Jacob S., West Newton, Mass. Overshoe or the like. 168,266, Nov. 25.
Kamrath, Herbert G., Barrington, R. I., assignor to Fram Corporation. Cover for a filter. 167,082, June 24.
Kamin, George W.: *See*— Nelson, James A., Kamin, and Wolske.
Kandarian, Samuel M., Fowler, Calif. Toilet paper holder. 165,850, Feb. 5.
Kandarian, Belle A., Fresno, Calif. Combination clothes hanger and cabinet. 167,836, Sept. 30.
Kansas City Products Company, assignee: *See*— Potts, Russell A.
Kantor, Russell P., assignor to Alex. Lee Wallau Inc., New York, N. Y. Lady's footcap or the like. 166,540, Apr. 22.
Kantor, Russell P., New York, N. Y. Lady's footcap or the like. 166,672, May 6.
Kaplan, Samuel, Beverly Hills, Calif. Sole for a boot or similar article. 166,472, Apr. 15.
Karoff, Robert B., assignor to Novelty Utilities, Inc., New York, N. Y. Foldable food tray. 166,605, Apr. 29.
Karoff, Robert B., assignor to Novelty Utilities, Inc., New York, N. Y. Food tray with extendable wings. 167,035, June 17.
Karoff, Robert B., assignor to Novelty Utilities, Inc., New York, N. Y. Combined serving tray, glass caddy, and ice bucket. 167,083, June 24.
Karoff, Robert B., assignor to Novelty Utilities, Inc., New York, N. Y. Combined foldable roast board and food tray. 167,750, Sept. 16.
Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Electric iron. 166,199, Mar. 18.
Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Food mixer body. 168,037, Oct. 28.
Karstadt, Clarence, Santa Barbara, Calif., assignor to Birtman Electric Company. Humidifier. 167,407, Aug. 5.
Kartveli, Alexander, Huntington, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Airplane. 166,673, May 6.
Kasdam, Nathan, Plainfield, assignor to Majestic Metal Specialties, Inc., Moosup, Conn. Compact. 167,900, Oct. 7.
Kasputis, Frank, assignor to Price Brothers, Inc., Chicago, Ill. Illuminable sign. 166,396, Apr. 8.
Kather, Alfred C., Hollywood, Calif. Writing instrument. 168,227, Nov. 18.
Kather, Alfred C., Los Angeles, Calif. Drawing and writing implement holder. 165,923, Feb. 12.
Kather, Alfred C., Los Angeles, Calif. Combined cigarette stand and holder. 168,038, Oct. 28.
Kather, Alfred C., San Francisco, Calif. Combined cigarette stand and holder. 167,635, Sept. 2.
Katz, Adolph, Providence, R. I. Brooch or the like. 165,586, Jan. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,318, Apr. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 166,319, Apr. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,551, Apr. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,606, Apr. 29.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,607, Apr. 29.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,608, Apr. 29.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or the like. 166,609, Apr. 29.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,674, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,675, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,676, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,677, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,678, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,679, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,680, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,681, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,682, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,683, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,684, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,685, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,686, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,687, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,688, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,689, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,690, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,691, May 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,755, May 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,969, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,970, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,971, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,972, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,973, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,974, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,975, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,976, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,977, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,978, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,979. June 10
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,980, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 167,036, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 167,037, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,038, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,039, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,040, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,041, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 167,084, June 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,039, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,040, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,041, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,042, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,043, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,044, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,045, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,046, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,047, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,048, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,049, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,050, Oct. 28.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 168,267, Nov. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,268, Nov. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,348, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,349, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,350, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,351, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,352, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,353, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,354, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,355, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,356, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,357, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,358, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 168,359, Dec. 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,404, Dec. 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,405, Dec. 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 168,406, Dec. 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,407, Dec. 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,408, Dec. 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,456, Dec. 23.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,457, Dec. 23.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,458, Dec. 23.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,512, Dec. 30.
Kaufer, Arthur R., Kew Garden Hills, assignor to Quality Importers, Inc., New York, N. Y. Bottle. 167,085, June 24.
Kaufer, Arthur R., Kew Garden Hills, assignor to Quality Importers, Inc., New York, N. Y. Bottle stopper. 167,086, June 24.
Kaufman, Herman, New York, N. Y. Embroidered fabric. 167,751, Sept. 16.
Kaufman, Herman, New York, N. Y. Embroidered fabric. 167,752, Sept. 16.
Kaufman, Herman, New York, N. Y. Embroidered trimming. 168,269, Nov. 25.
Kaufman & Krieger, Inc., assignee: *See*—
Krieger, Herman.
Kaufman, Louis, New York, N. Y. Handbag. 167,408, Aug. 5.
Kaufman, Samuel J., New York, N. Y. Clockcase. 165,587, Jan. 1.
Kaufman, Samuel J., New York, N. Y. Clockcase. 165,588, Jan. 1.
Kaufman, Samuel J., New York, N. Y. Clockcase or similar article. 167,042, June 17.
Kaufman, Samuel J., New York, N. Y. Travel desk clock. 168,957, Nov. 11.
Kaufman, Sarah, New York, N. Y. Brassière. 165,851, Feb. 5.
Kantsky, Joe, Fort Dodge, Iowa. Artificial fishing bait. 167,636, Sept. 2.
Kaye, Danny, Beverly Hills, and E. Dukoff, North Hollywood, Calif. Blowout toy or the like. 166,807, May 20.
Kayware Corporation, assignee: *See*—
Detzel, Jacob J.
Keane, Henry J., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 165,589, Jan. 1.
Keane, Henry J., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Combined automobile lamp lens housing and grille bar. 167,357, July 29.

Keane, Henry J., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Automobile hood ornament. 167,753, Sept. 16.
Keane, John A. C., St. Albans, N. Y. Clockcase. 166,756, May 13.
Keane, Walter S., Berkeley, Calif. Hand puppet. 167,265, July 15.
Keating, Edward, Glenview, assignor to Ekco Products Company, Chicago, Ill. Carrier for flatware. 168,158, Nov. 11.
Keil, Raymond W., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similiar nature. 168,409, Dec. 16.
Kelley, Walter C., and H. C. Phillips, assignors to Minick's Ice Cream Co., Inc., Los Angeles, Calif. Mixer for frozen desserts. 165,762, Jan. 29.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Sash hinge. 167,696, Sept. 9.
Kelso, James W., Van Nuys, Calif., assignor to Stromberg-Carlson Company. Television cabinet. 168,410, Dec. 16.
Kemper, Charles M., Fort Lauderdale, Fla. Combined food and beverage vending station. 166,320, Apr. 1.
Kember, Raymond C.: *See*—
Bell, Terence F. P., Kember, and Anderson.
Kenco Products Corporation, assignee: *See*—
Steele, Vernon P.
Kenmar Manufacturing Company, The, assignee: *See*—
Maurer, Fred C.
Maurer, Howard W.
Maurer, Robert A.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Sheet metal frame for grilles and the like. 165,982, Feb. 19.
Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 165,983, Feb. 19.
Kent, Alla, New York, N. Y. Animated toy figure. 166,321, Apr. 1.
Kerby, Alexander, Cleveland Heights, Ohio. Garment hanger. 166,610, Apr. 29.
Kerby, Dean F., St. Louis, Mo. Nursey bed unit. 167,754, Sept. 16.
Kersh, Ralph C., Mishawaka, Ind., assignor, by mesne assignments, to S. C. Johnson & Son, Inc., Racine, Wis. Wax applicator. 168,513, Dec. 30.
Keyes Fibre Company, assignee: *See*—
Shepard, Ernest L.
Keys Fibre Company, assignee: *See*—
French, Richard S.
Kietzmann, Alfred E.: *See*—
De Roo, William C., Winchester, and Kietzmann.
Kilburg, Gene, Milwaukee, Wis., L. F. Covey, Darien, Conn., and J. G. Lippincott, Scarsdale, N. Y., assignors to Superdisplay, Incorporated, Milwaukee, Wis. Butter dispenser. 166,757, May 13.
Kilgore, Earl J., Kenvir, Ky. Garden tool. 166,808, May 20.
King, Henry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile bumper guard. 167,358, July 29.
King, Henry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hood ornament for an automobile. 167,359, July 29.
King, Henry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hood ornament for an automobile. 167,360, July 29.
King, Henry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Grille bar for an automobile. 167,943, Oct. 14.
King-Seeley Corporation, assignee: *See*—
Slvacek, Emil E.
Kinney, J. Warren, Jr., assignee: *See*—
Kinney, John W., Jr., and McMath.
Kinney, John W., Jr., Cincinnati, Ohio, and M. McMath, Newport, Ky., assignors to J. W. Kinney, Jr., Cincinnati, Ohio. Combined battery holder and capacitor for photographic flashlights or similar articles. 168,303, Dec. 2.
Kinskie, Adam L., Morristown, Tenn. Combined toy holster and belt set. 166,758, May 13.
Kinsley, Lewis H., Jr.: *See*—
Anderson, John W., and Kinsley.
Kintz, Glenn W., Anchorage, Territory of Alaska. Draftsman's template. 167,043, June 17.
Kirby, Harold L., Glendale, Calif. Bassinet or similar article. 165,763, Jan. 29.
Kirk, Mary A., Salem, Va. Doll. 167,837, Sept. 30.
Kishel, Joseph S., assignee: *See*—
Zielinski, Edward A.
Kistler, Max W., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Three-wheeled vehicle. 165,690, Jan. 15.
Klein, Mae I., and D. B. Nystrom, Lancaster, Pa. Signpost paperweight. 166,611, Apr. 29.
Klein, Milton F., assignor to Jaxton Manufacturing Corporation, Glens Falls, N. Y. Meat carving board with hinged sections. 168,098, Nov. 4.
Klein, Milton F., assignor to Jaxton Manufacturing Corporation, Glens Falls, N. Y. Meat carving board. 168,304, Dec. 2.
Klemm, Herman G., Birmingham, assignor to Harry Ferguson, Inc., Detroit, Mich. Disk plow. 165,764, Jan. 29.
Klemm, Herman G., Birmingham, and N. A. Nelson, Royal Oak, assignors to Harry Ferguson, Inc., Detroit, Mich. Disk plow. 165,765, Jan. 29.
Klenk, William C., III, Grosse Pointe, Mich. Artificial bait. 166,809, May 20.
Kleve, Karl, Cincinnati, Ohio. Automobile. 168,228, Nov. 18.
Klingberg, Arthur F., McHenry, assignor to Bernard Edward Company, Chicago, Ill. Planter. 168,411, Dec. 16.
Klingberg, Arthur F., McHenry, assignor to Bernard Edward Company, Chicago, Ill. Candelabrum. 168,459, Dec. 23.
Klingberg, Arthur F., McHenry, assignor to Bernard Edward Company, Chicago, Ill. Candelabrum. 168,460, Dec. 23.
Klingberg, Arthur F., McHenry, assignor to Bernard Edward Company, Chicago, Ill. Candelabrum. 168,461, Dec. 23.
Klingner, Carl E., Medicine Lake, Minn., assignor to Harnischfeger Corporation, Milwaukee, Wis. Display stand. 168,051, Oct. 28.
Knapp, Kenneth D., Los Angeles, Calif. Combined framework and protective guard for a packaging machine. 166,166, Mar. 11.
Knapp-Monarch Company, assignee: *See*—
Huck, Alfred J.
Lautner, Max E.
McCarron, Donald F.
Moore, Walter E.
Knee, Simon, Newark, N. J. Wallet or similar article. 166,258, Mar. 25.
Knee, Simon, Newark, N. J. Wallet or similar article. 166,259, Mar. 25.
Knee, Simon, Newark, N. J. Wallet or similar article. 166,260, Mar. 25.
Knee, Simon, Newark, N. J. Wallet or similar article. 166,261, Mar. 25.
Knee, Simon, Newark, N. J. Wallet or similar article. 166,262, Mar. 25.
Knee, Simon, Newark, N. J. Wallet or similar article. 167,901, Oct. 7.
Knight, George C., Company, assignee: *See*—
Koonter, Carlton G.
Knight, Harold K., assignor to Knox Glass Associates, Inc., Knox, Pa. Bottle. 167,637, Sept. 2.
Knowles, Frederick G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 166,981, June 10.
Knox Glass Associates, Inc., assignee: *See*—
Knight, Harold K.
Knutson, Oliver J., Colorado Springs, Colo. Soil moisture indicator. 166,082, Mar. 4.
Koch, David, Highland Park, assignor to Morris Kurtzon, Inc., Chicago, Ill. Drawer pull. 167,151, July 1.
Koci, Jerry C., Barrington, assignor to Chicago Coin Machine Co., Chicago, Ill. Amusement game apparatus. 168,229, Nov. 18.
Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Door handle. 166,759, May 13.
Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Textile fabric or similar article. 166,917, June 3.
Koeber, Theodore H., Oak Park, Ill., B. Dales, Evansville, Ind., and D. Chapman, Chicago, Ill., assignors to International Harvester Company. Refrigerator cabinet. 168,159, Nov. 11.
Koff, Arthur, Cedarhurst, N. Y. Lipstick case or similar article. 168,160, Nov. 11.
Kogan, Belle, New York, N. Y., assignor to The Red Wing Potteries, Inc., Red Wing, Minn. Vase or similar article. 167,838, Sept. 30.
Kogan, Belle, New York, N. Y., assignor to The Red Wing Potteries, Inc., Red Wing, Minn. Vase or similar article. 168,305, Dec. 2.
Kolb, Albert C., assignor to La Crosse Rubber Mills Company, La Crosse, Wis. Overshoe. 166,859, May 27.
Kolenda, Edward R., Oak Lawn, and V. V. Postillion, Cicero, Ill. Utility clip for automobiles. 167,944, Oct. 14.
Koller, Edward J., Collierville, Tenn. Hobbyhorse or similar article. 167,464, Aug. 12.
Komai, Ray, New York, assignor to J. G. Furniture Co., Inc., Brooklyn, N. Y. Chair. 166,397, Apr. 8.
Konefes, Joseph H., Libertyville, Ill., assignor to Motor Products Corporation, Detroit, Mich. Combined jacket-handle unit and water bottle. 165,984, Feb. 19.
Koonter, Carlton G., Fairhaven, assignor to George C. Knight Company, Detroit, Mich. Exhaust pipe extension or similar article for an automobile. 165,985, Feb. 19.
Koonter, Carlton G., Fairhaven, assignor to George C. Knight Company, Detroit, Mich. Exhaust pipe extension of similar article for an automobile. 165,986, Feb. 19.
Kopko, John E., Cleveland, Ohio. Child's mirror and toilet article shelf unit. 167,517, Aug. 19.
Koplar, Alan E., Chicago, Ill. Clock. 168,052, Oct. 28.
Koppel, Ernst R., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Bathtub. 167,574, Aug. 26.

Koppel, Ernst R., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Bathtub. 167,575, Aug. 26.

Koppel, Ernst R., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Bathtub. 167,576, Aug. 26.

Kornblau, Irving, New York, N. Y. Lady's undergarment container. 165,766, Jan. 29.

Kornblau, Irving, New York, N. Y. Lady's undergarment container. 167,152, July 1.

Kornstein, Martin L., Jackson Heights, N. Y. Radiant heater. 167,755, Sept. 16.

Kosack, Moe, Brooklyn, N. Y. Bicycle trainer. 167,697, Sept. 9.

Kost, Alwin, Portland, Oreg. Kitchen mixer. 166,111, Mar. 11

Krafft, Kurt, Louisville, Ky., assignor to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Faucet. 165,987, Feb. 19.

Kraft, Elroy J., assignor to The Dole Valve Company, Chicago, Ill. Heat register or similar article. 168,514, Dec. 30.

Kramer, Ferdinand, Port Chester, assignor to Folding Products Manufacturing Corporation, Long Island City, N. Y. Umbrella. 165,654, Jan. 8.

Kramer, George J., Bristol, Conn. Seat cover. 166,918, June 3.

Kramer, Murray B., Chicago, Ill. Automobile gasoline door guard. 165,655, Jan. 8.

Kramer, Murray B., assignor to Richlite Manufacturing Company, Chicago, Ill. Automobile gasoline door guard. 166,541, Apr. 22.

Kraml, Clemens, Iberia, Mo. Novelty box. 167,902, Oct. 7.

Krebs, Bernard and M., New York, N. Y. Moneybag bank. 166,473, Apr. 15.

Krebs, Morton: *See*—
Krebs, Bernard and M.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Speck, Kurt.

Kretchmer, Clarence M., Belvedere, Calif. Candy bar. 166,810, May 20.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 166,200, Mar. 18.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 166,201, Mar. 18.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 166,202, Mar. 18.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 166,203, Mar. 18.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 166,204, Mar. 18.

Krieger, Herman, assignor to Kaufman & Krieger, Inc., New York, N. Y. Embroidered fabric. 166,205 Mar. 18.

Krieger, Herman, New York, N. Y. Embroidered trimming. 167,313, July 22.

Krilanovich, Steve, North Hollywood, Calif. Camera dolly. 166,112, Mar. 11.

Krilow, James E., Atlantic City, N. J. Hot plate dish cover. 168,462, Dec. 23.

Kroll, Stanley A.: *See*—
Cooper, Benjamin, and Kroll.

Kronman, Albert F., Locust Valley, N. Y. Chaise longue. 167,409, Aug. 5.

Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Back guard for a range. 165,767, Jan. 29.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 166,083, Mar. 4.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing machine. 166,084, Mar. 4.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispenser or similar article. 166,474, Apr. 15.

Krueger, Richard G., Inc., assignee: *See*—
Carver, Alice.

Krueger, Theodore H., Stratford, Conn., assignor to Better Packages, Inc. Adhesive tape dispenser or the like. 167,153, July 1.

Krueger, Theodore H., Stratford, Conn., assignor to Better Pakages, Inc. Adhesive tape dispenser or the like. 167,989, Oct. 21.

Krust, Walter, Brooklyn, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,990, Oct. 21.

Kuehl, Walter A., Chicago, Ill. Electric soldering iron. 167,266, July 15.

Kuehnert, Nellie, assignee: *See*—
Kuehnert, Otto E.

Kuehnert, Otto E., assignor of fifty per cent to N. Kuehnert, Selinsgrove, Pa. Lady's stocking. 165,768, Jan. 29.

Kugel Company, Inc., assignee: *See*—
Dorr, Mardo.

Kunett, Rudolph P., West Hartford, Conn. Bottle. 166,542, Apr. 22.

Kupchik, George J., Brooklyn Village, Ohio. Combination booty drier and coat hanger. 165,988, Feb. 19.

Kurschner, Lloyd F., Minneapolis, Minn. Transparent cover for record players. 166,263, Mar. 25.

Kurschner, Lloyd F., Minneapolis, Minn. Combination record holder and base for record players. 167,518, Aug. 19.

Kurth, Franz J., Mamaroneck, assignor to Anemostat Corporation of America, New York, N. Y. Air diffusing outlet for ventilating systems. 166,322, Apr. 1.

Kurth, Franz J., Mamaroneck, assignor to Anemostat Corporation of America, New York, N. Y. Air diffusing outlet for ventilating systems. 166,323, Apr. 1.

Kurth, Franz J., Mamaroneck, assignor to Anemostat Corporation of America, New York, N. Y. Air diffusing outlet for ventilating systems. 166,324, Apr. 1.

Kurtz, Irving: *See*—
Brand, Hyman, and Kurtz.

Kurtzon, Morris, Inc., assignee: *See*—
Koch, David.

Kwiatkowski, Jacob S., Toledo, Ohio. Combined bottle cap and screw driver. 166,919, June 3.

Kwik-Mix Company, assignee: *See*—
Jones, Daniel C.

Kyte, Thomas W., New York, N. Y. Pickle assortment container. 167,087, June 24.

Kyte, Thomas W., New York, N. Y. Compartmented display dish. 168,161, Nov. 11.

La Bue, Seraphina C., Bronx, N. Y., and H. P. Coogan, Fairfield, assignors to The Warner Brothers Company, Bridgeport, Conn. Combination girdle and brassière. 166,760, May 13.

Lachman, Charles, Bryn Mawr, Pa. Carpet underliner. 166,085, Mar. 4.

La Crosse Rubber Mills Company, assignee: *See*—
Kolb, Albert C.

Lactona Incorporated, assignee: *See*—
Millard, Glen E.

Lacy, James R., Hot Springs, Ark. Fish lure. 167,154, July 1.

Lafferty, William, Providence, R. I., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 166,982, June 10.

Laforte, Michael J., Park Ridge, assignor to Vaughan Mfg. Co., Chicago, Ill. Folding can and bottle opener. 168,053, Oct. 28.

Laham, George S., Wichita, Kans. Sandal. 165,716, Jan. 22.

La Hue, Paul D., Dallas, Tex. Nursery toilet. 168,463, Dec. 23.

La Jeunesse, Clifford L., Milwaukee, Wis. Playing card rack. 167,314, July 22.

Lamb, Harry, assignor to Standard Cameras Limited, Birmingham, England. Camera or the like. 167,577, Aug. 26.

Lamb, Walter F., Honolulu, Territory of Hawaii. Chaise longue. 168,270, Nov. 25.

Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Television tube body. 167,698, Sept. 9.

Lambert, Francis M., Narberth, Pa. Television tube body. 167,699, Sept. 9.

Lambert, Raoul A., Springfield, Mass., assignor to Westinghouse Electric Corporation. Power unit for a food mixer or the like. 167,756, Sept. 16.

Lampel, William I., Brooklyn, assignor to Steelmaster, Inc., New York, N. Y. File cabinet or similar article. 166,860, May 27.

Lampel, William I., Brooklyn, assignor to Steelmaster, Inc., New York, N. Y. Combination file cabinet and desk or similar article. 166,861, May 27.

Landers, Frary & Clark, assignee: *See*—
Russell, William J.

Landon, Esther C., Seattle, Wash. Penholder desk unit. 168,271, Nov. 25.

Langensiepen, Herman, Los Angeles, Calif. Bathtub safety mat. 166,039, Feb. 26.

Langer, William M., Berlin, N. J. Stocking. 166,264, Mar. 25.

Langinger, Dorothy, Los Angeles, Calif. Hat. 167,267, July 15.

Langville, Ray H., Portland, Oreg. Metal shingle. 166,761, May 13.

Lapin, Aaron S., assignor to Reddi-Wip, Inc., St. Louis, Mo. Dispensing container for fluffed cream. 167,213, July 8.

Lapin, Samuel, New York, N. Y. Milk container jug. 167,214, July 8.

La Plante, Earl A., Boston, Mass. Television and radio program holder. 166,040, Feb. 26.

Laque, Bill, Menominee, Mich. Combined lamp and tray. 168,162, Nov. 11.

La Resista Corset Company, The, assignee: *See*—
Rockwell, Eileen A.

La Rosa, Stefano, Woodhaven, assignor to V. La Rosa & Sons, Inc., Brooklyn, N. Y. Lasagna macaroni. 168,054, Oct. 28.

La Rosa, V., & Sons, Inc., assignee: *See*—
La Rosa, Stefano.

Larson, Tage, Milwaukee, Wis. Height record chart. 167,945, Oct. 14.

Lasher, Richard J., Wethersfield, assignor to The Rose Hill Cemetery Co., Rocky Hill, Conn. Grave marker. 167,215, July 8.

Laska, David, New York, N. Y., assignor to Textileather Corporation, Toledo, Ohio. Flexible plastic film. 166,543, Apr. 22.

Laskowitz, Joseph F., St. Louis, Mo. Chair. 166,398, Apr. 8.

Laskowitz, Joseph F., St. Louis, Mo. Lounge chair. 166,983, June 10.

Lathrop, Harvey, Forest Hills, N. Y. Holder for postage stamps in roll form. 165,656, Jan. 8.

Latimer, Robert W.: *See*—
Zel, Joe, and Latimer.

Lattuca, John, Brooklyn, N. Y. Earmuff. 166,399, Apr. 8.

Laughlin, Clayton A., Minneapolis, assignor to Northwest Plastics, Incorporated, St. Paul, Minn. Fly swatter. 166,920, June 3.

Laughlin, Clayton A., Minneapolis, assignor to Northwest Plastics, Incorporated, St. Paul, Minn. Utility spoon. 167,088, June 24.

Laughlin, Clayton A., Minneapolis, assignor to Northwest Plastics, Inc., St. Paul, Minn. Telescopic smörgåsbord tray. 168,230, Nov. 18.

Laughlin, Julia A., St. Petersburg, Fla. Lawn mower head unit. 167,410, Aug. 5.

Lautner, Max E., assignor to Knapp-Monarch Company, St. Louis, Mo. Air fan heater. 167,903, Oct. 7.

La Vielle, M. N., and H. B. Heller, assignors to Cabbage Patch Circle, Louisville, Ky. Doll. 165,590, Jan. 1.

Lawrence, Andrew E., San Mateo, assignor to Pabco Products Inc., San Francisco, Calif. Bordered rug or similar article. 167,519, Aug. 19.

Lawrence, Ralph E., Sacramento, Calif. Fishing line sinker. 166,984, June 10.

Lawsky, Max W., New York, N. Y. Mezuzah case. 166,400, Apr. 8.

Lazarus, Isaac, assignor to L. Lazarus & Sons Limited, London, England. Dressing table. 166,612, Apr. 29.

Lazarus, L., & Sons Limited, assignee: *See*—
Lazarus, Isaac.

Leach, Ruth T., Mayfield Village, Ohio. Hanger or similar article. 167,155, July 1.

Le Boeuf, Oscar J., Gary, Ind. Window sash freeing tool. 168,412, Dec. 16.

Lee, Fred A., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle cab. 166,041, Feb. 26.

Lee, James W., Westfield, N. J., assignor to Cook-Waite Laboratories, Inc., New York, N. Y. Hypodermic needle. 165,591, Jan. 1.

Lee, Robert E., North Branch, Minn. Wrecking bar. 167,638, Sept. 2.

Lee, Stanley, St. Charles, Ill. Glass top coffee table. 168,306, Dec. 2.

Leech, Aubrey R., Los Angeles, Calif. Rotatable illuminable Christmas tree. 167,216, July 8.

Leerer, Ben, New York, N. Y. Textile fabric. 165,769, Jan. 29.

Leerer, Ben, New York, N. Y. Textile fabric. 166,113, Mar. 11.

Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Shampoo brush. 166,086, Mar. 4.

Le Febvre, Alfred L., Windsor, Conn. Deodorant block holder. 166,811, May 20.

Leigh, Cyril W., East Orange, N. J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,325, Apr. 1.

Leigh, Cyril W., East Orange, N. J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,326, Apr. 1.

Leigh, Cyril W., East Orange, N. J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 167,763, Sept. 16.

Leight, Charles, Los Angeles, Calif. Noise eliminator cap unit. 167,089, June 24.

Lempkowitz, Sidney, Newark, N. J. Signaling coin receptacle. 167,465, Aug. 12.

Lenard, Andrew, Forest Hills, N. Y. Rack for rubber stamps or the like. 168,307, Dec. 2.

Lenoir Hosiery Mills, Inc., assignee: *See*—
Maye, Ernest A., and Powell.

Lentz, Lawrence R.: *See*—
Vogel, Howard H., and Lentz.

Leotta, Samuel S., Hatboro, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Galvanometer. 165,989, Feb. 19.

Lerner, Leon P., New York, N. Y. Combined bow tie display and shirt collar shaper. 167,839, Sept. 30.

Les Heritiers de Marie Brizard & Roger, Achard, Glotin & Cie, assignee: *See*—
Achard, Roger.

Les Parfums De Dana, Inc., assignee: *See*—
Serra, Javier.

Leser, Tina, New York, N. Y. Play suit. 165,990, Feb. 19.

Leser, Tina, New York, N. Y. Dress. 166,087, Mar. 4.

Lester, Bert M., New York, N. Y. Tie rack or the like. 167,361, July 29.

Lester, Bert M., New York, N. Y. Tie rack or the like. 167,411, Aug. 5.

Levinger, Benjamin M., Millbrae, Calif., assignor to Schlage Lock Company. Display cabinet. 165,592, Jan. 1.

Levinger, Benjamin M., Millbrae, Calif., assignor to Schlage Lock Company. Display stand. 168,464, Dec. 23.

Levy, Herman B., New York, N. Y. Brassière or similar article. 168,360, Dec. 9.

Levy, Jack E., Stamford, Conn. Hobbyhorse or the like. 166,762, May 13.

Levy, Seymour, Tarrytown, N. Y. Display shelf. 166,265, Mar. 25.

Lewin, Michael, New York, N. Y. Baby carriage body. 168,308, Dec. 2.

Lewis, Earl, Philadelphia, Pa. Combined ash tray and writing instrument. 165,852, Feb. 5.

Lewis, Henry, Rockville Centre, and L. A. Marks, Brooklyn, N. Y. Lamp shade. 168,309, Dec. 2.

Lewis, Henry, Rockville Centre, and L. A. Marks, Brooklyn, N. Y. Lamp shade. 168,310, Dec. 2.

Lewis, Henry, Rockville Centre, and L. A. Marks, Brooklyn, N. Y. Lamp shade. 168,413, Dec. 16.

Lewis, Howard B., Newport Beach, Calif. Respirator. 168,311, Dec. 2.

Lewis, Raymond F., Vancouver, British Columbia, Canada. Airship. 166,475, Apr. 15.

Liberty Conch Company, Inc., assignee: *See*—
Spencer, Harlan L., and Beeson.

Liberty Glass Company, assignee: *See*—
Coward, Samuel H., Jr.

Liberty Hosiery Mills, Inc., assignee: *See*—
Isley, Jacob D.

Liblick, Al A., Monterey Park, Calif. Silverware holder. 167,946, Oct. 14.

Lillian Knitting Mills Company, assignee: *See*—
Patterson, Arthur L., Sr.

Lilling Textile Co., Inc., assignee: *See*—
Polledo, José L. P.

Lind, Carl J., Evanston, Ill., assignor to Dairy Queen National Trade Association Incorporated, Davenport, Iowa. Dish. 168,163, Nov. 11.

Lind, Carl J., Skokie, Ill., assignor to Dairy Queen National Trade Association Incorporated, Davenport, Iowa. Spoon. 166,327, Apr. 1.

Lindahl, Ture E.: *See*—
Faith-Ell, Lars J., and Lindahl.

Linder, Hugo G., Philadelphia, Pa. Stocking. 166,985, June 10.

Lindgren, Robert F., assignor to Daco Incorporated, Aurora, Ill. Electric kitchen mixer grinder attachment. 168,231, Nov. 18.

Lindner, John W., Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill. Figurine. 167,045, June 17.

Lindner, John W., Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill. Figurine. 167,046, June 17.

Lindsay, Myrtle E., Los Angeles, Calif. Toothbrush holder. 166,088, Mar. 4.

Lines Bros. Limited, assignee: *See*—
Lines, George E.
Lines, Walter.

Lines, George E., Kingswood, assignor to Lines Bros. Limited, Merton, London, England. Child's tricycle. 167,090, June 24.

Lines, Walter, Leigh Place, Godstone, Surrey, assignor to Lines Bros. Limited, London, England. Child's tricycle. 166,692, May 6.

Lines, Walter, Leigh Place, Godstone, Surrey, assignor to Lines Bros. Limited, Merton, London, England. Child's bicycle. 166,693, May 6.

Linnard, Irvin R., Montclair, N. J. Bottle. 168,312, Dec. 2.

Lipman, Harry L., Los Angeles, Calif. Clown doll. 167,412, Aug. 5.

Lipman, Isadore A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or similar article. 166,763, May 13.

Lipman, Louis: *See*—
Verosub, Bernard B., and Lipman.

Lipp, William, New York, N. Y. Combined billfold and picture holder or the like. 165,770, Jan. 29.

Lipp, William, New York, N. Y. Billfold or the like. 165,771, Jan. 29.

Lippincott, Joshua G.: *See*—
Kilburg, Gene, Covey, and Lippincott.

Lipson, Charles, Atlantic City, assignor to Charles Lipson Company, Margate City, N. J. Keg. 167,578, Aug. 26.

Lipson, Charles, assignor to Charles Lipson Company, Atlantic City, N. J. Keg. 167,700, Sept. 9.

Lipson, Charles, Company, assignee: *See*—
Lipson, Charles.

Lissac, Georges, Paris, France. Pair of spectacles. 168,515, Dec. 30.

Lissak, Nathan J.: *See*—
Bishop, Stanley E., and Lissak.

Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Weighing device. 167,762, Sept. 16.

Livers, John F., Kansas City, Mo. Table lamp. 166,613, Apr. 29.

Livers, John F., Kansas City, Mo. Table lamp. 166,614, Apr. 29.

Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 167,639, Sept. 2.

Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 167,640, Sept. 2.

Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 167,641, Sept. 2.

Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Lady's stocking. 168,414, Dec. 16.
Llewellyn, Inc., assignee: *See*—
Bley, Llewellyn.
Lobl, Frederick, Middleboro, Mass. Bottle nipple. 167,466, Aug. 12.
Lockheed Aircraft Corporation, assignee: *See*—
Johnson, Clarence L.
Margwarth, John A.
Lockwood-Butler Company, The, assignee: *See*—
Nordman, Richard W.
Loecy, Joseph, Jr., Euclid, Ohio. Diamond tool for dressing grinding wheels. 166,544, Apr. 22.
Loesch, Carl A.: *See*—
Michaels, John I., Loesch, Haddock, and Davis.
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Ice-maker cabinet. 166,545, Apr. 22.
Loewy, Raymond, New York, N. Y. Tie clasp. 167,904, Oct. 7.
Lofrese, Dominick: *See*—
Berman, Harry, Errico, and Lofrese.
Errico, Vito, Berman, and Lofrese.
Loma Plastics, Inc., assignee: *See*—
Barnett, Louis H., and Brin.
Long, Edward W., Flagler, Colo. Table and chair combination. 168,516, Dec. 30.
Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Pump casing. 168,164, Nov. 11.
Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Newhouse, Leon.
L'Opera Hosiery Mill, Inc., assignee: *See*—
Friedrich, Robert, Jr.
Lordo, Alphonse, assignor to Dazor Manufacturing Corp., St. Louis, Mo. Lamp for sewing machines. 166,986, June 10.
Lordo, Alphonse, assignor to Dazor Manufacturing Corp., St. Louis, Mo. Reflector for an electric lighting fixture. 167,268, July 15.
Lorenz, Anton, assignee: *See*—
Luckhardt, Johannes.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 167,701, Sept. 9.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 168,361, Dec. 9.
Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.
Lotthammer, Eric K.: *See*—
Donahue, Joseph P., and Lotthammer.
Loughlin, Duane S., Auburn, Calif. Portable outdoor clothes rack. 166,615, Apr. 29.
Low, Roy G., Minneapolis, Minn. Swing. 165,593, Jan. 1.
Lucas, Walter C., Asheboro, N. C. Chair. 168,465, Dec. 23.
Luckhardt, Johannes, Berlin-Dahlem, Germany, assignor to A. Lorenz, Buffalo, N. Y. Lounge chair or the like. 167,761, Sept. 16.
Ludwig, Louis, Brooklyn, N. Y. Electrical cap. 165,991, Feb. 19.
Ludwig, Louis, New York, N. Y. Wall plate or similar article. 167,760, Sept. 16.
Luketa, Frank J., Seattle, Wash. Adjustable reading stand. 166,089, Mar. 4.
Lundstrum, Allan W., Carmel, Ind. Building mounted combination air intake and exhaust vent for heaters. 165,772, Jan. 29.
Lundy, James V., Edgewood, R. I., assignor of one-half to J. H. Warner, Hartford, Conn. Cycle saddle. 168,055, Oct. 28.
Lurie, Robert, Petersburg, Va. Luggage handle. 168,362, Dec. 9.
Lust, Valtin H., Ridgefield Park, N. J. Ball point pencil. 166,114, Mar. 11.
Lustbader, Samuel, Brooklyn, N. Y. Cleaner and scraping unit. 166,812, May 20.
Lutz, Gregory C., Chicago, Ill. Wine pump. 168,165, Nov. 11.
Lux Clock Manufacturing Company, Inc., The, assignee: *See*—
Lux, Frederick, and Beerbaum.
Lux, Frederick, Middlebury, and H. D. Beerbaum, Wolcott, assignors to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Interval timer. 166,764, May 13.
Lydon, Matthias A., Des Plaines, Ill. Child's chair. 165,853, Feb. 5.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 165,657, Jan. 8.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 166,476, Apr. 15.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 166,813, May 20.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 167,315, July 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 167,316, July 22.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 167,799, Sept. 23.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 168,056, Oct. 28.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 168,313, Dec. 2.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 168,415, Dec. 16.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 168,466, Dec. 23.
Macdonald, John G., Goderich, Ontario, Canada. Grader. 165,594, Jan. 1.
Mack, William, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Army. Dispensing can. 167,991, Oct. 21.
Mackie, Gus, Bellevue, Wash. Animal halter. 166,401, Apr. 8.
MacKinnon, John S., Dorchester, Mass. Shoe. 167,579, Aug. 26.
Macksoud, Alice, New York, N. Y. House coat. 165,992, Feb. 19.
MacManus, John, Wellesley, assignor to Stop & Shop, Inc., Boston, Mass. Cabinet for bakery products or the like. 167,158, July 1.
Macomic, Grace E., Chicago, Ill. Lip rouge applicator. 165,691, Jan. 15.
Madda, Lauretta S., Chicago, Ill. Combined relish spoon and fork. 166,694, May 6.
Magnafax Corporation, assignee: *See*—
Jay, Benjamin F., and Feintuch.
Maico Company, Incorporated, The, assignee: *See*—
Watson, Leland A.
Mall Tool Company, assignee: *See*—
Doeden, Roland E.
Mainini, Rudolph R., Jr., West Upton, assignor to Miscoe Spring Water Company, Mendon, Mass. Neon advertising sign. 166,266, Mar. 25.
Maish, Clarence L., Warsaw, Ind. Baking dish. 167,317, July 22.
Majestic Metal Specialties, Inc., assignee: *See*—
Kasdan, Nathan.
Majewski, Eugene J., assignor to Portable Electric Tools, Inc., Chicago, Ill. Portable drill unit. 168,099, Nov. 4.
Majewski, Eugene J., assignor to Portable Electric Tools, Inc., Chicago, Ill. Portable drill unit. 168,100, Nov. 4.
Majewski, Eugene J., assignor to Portable Electric Tools, Inc., Chicago, Ill. Saw attachment for portable electric drills. 168,272, Nov. 25.
Majewski, Eugene J., assignor to Portable Electric Tools, Inc., Chicago, Ill. Portable power-operated saw. 168,467, Dec. 23.
Mal-Craft Manufacturing Co. Inc., assignee: *See*—
Storchheim, Morris A.
Maldari, Donato, Brooklyn, N. Y. Macaroni. 166,695, May 6.
Maling, Roy, Chestnut Hill, assignor to Hermal Shoe Company, Inc., Everett, Mass. Shoe or similar article. 166,090, Mar. 4.
Malkin, Lawrence, assignor to D. Strauss Co., Inc., New York, N. Y. Lace. 168,101, Nov. 4.
Mall Tool Company, assignee: *See*—
Doeden, Roland E.
Malley, Harry K., El Monte, Calif. Game board. 167,992, Oct. 21.
Mally, Eleanor G., Colorado Springs, Colo. Urinal holder. 166,616, Apr. 29.
Manchester Hosiery Mills, assignee: *See*—
Wilcher, Abrasha.
Mandelko, Melvin A., Fort Dodge, Iowa. Tray. 167,269, July 15.
Manne, Max, St. Louis, and J. T. Herzog, Hazelwood, Mo. Lounge chair. 166,402, Apr. 8.
Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Burrows, Lewis M.
Man-Sew Corporation, assignee: *See*—
Sigoda, Merton A.
Mansfield Sanitary Pottery, Inc., assignee: *See*—
Cramer, Willis B.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Staple driver or similar article. 166,206, Mar. 18.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Paper punch or similar article. 167,520, Aug. 19.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Paper punch or similar article. 167,521, Aug. 19.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Stapling hammer or similar article. 168,517, Dec. 30.
Marcantonio, Ralph M., Easton, Conn. Base support for clamp type food grinder or similar article. 166,814, May 20.
Marchant, Paul A., Jackson County, assignor to Injection Molding Company, Kansas City, Mo. Combined bottle and bottle cap. 165,773, Jan. 29.
Marcus, William, Cleveland, Ohio. Vegetable grater. 167,270, July 15.
Margo Wine Company, assignee: *See*—
Margolis, John A.
Margolis, Harry, Brooklyn, N. Y. Bubble blowing device. 168,166, Nov. 11.
Margolis, John A., assignor to Margo Wine Company, Philadelphia, Pa. Decanter bottle. 166,477, Apr. 15.
Margulies, Walter P., Scarsdale, N. Y., L. F. Covey, Darien, Conn., and K. H. Tiffany, West Orange, assignors to Confection Cabinet Corporation, Newark, N. J. Beverage dispenser. 166,091, Mar. 4.

Margwarth, John A., Sherman Oaks, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Visor for pilots' helmets. 168,057, Oct. 28.
Mariani, Frank N., New York, N. Y. Ash tray. 167,702, Sept. 9.
Mariani, Frank N., New York, N. Y. Ash tray. 167,703. Sept. 9.
Maring, Walter A., Huntington Park, Calif. Lacing hook for shoes or similar articles. 166,328, Apr. 1.
Mark, Irving, Chicago, Ill., assignor to A. D. De Lano, Battle Creek, Mich. Combination lamp and display device. 168,058, Oct. 28.
Marks, Louis A.: *See*—
Lewis, Henry, and Marks.
Marlowe, Walter, Washington, D. C. Mausoleum. 167,522, Aug. 19.
Marmy Products Company, assignee: *See*—
York, Franklyn.
Maron, William, assignor to Wilmar Undergarment Corp., New York, N. Y. Panties. 165,658, Jan. 8.
Maron, William, assignor to Wilmar Undergarment Corp., New York, N. Y. Panties. 165,659, Jan. 8.
Marshall, Merrill G.: *See*—
Brown, Frank P., and Marshall.
Mart, Harry A., Chicago, Ill. Combined receptacle and closure member therefor. 166,478, Apr. 15.
Martial, Jacques, Great Neck, and L. L. Ciampa, assignors to United States Electric Mfg. Corp., New York, N. Y. Brooch or similar article. 167,091, June 24.
Martin, Hayes, New York, assignor to Welch Allyn, Inc., Auburn, N. Y. Electrically illuminable diagnostic speculum. 168,363, Dec. 9.
Martin, James W., Wichita, Kans. Tire. 168,364, Dec. 9.
Martin, Vernon, assignor to The Walker Press Limited, Paris, Ontario, Canada. Bridge tally. 165,774, Jan. 29.
Marx, Louis, New York, N. Y. Toy gun. 167,642, Sept. 2.
Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
Mason, Florence L. G., Columbus, Ga. Play suit. 168,273, Nov. 25.
Mason, Robert D., Los Angeles, assignor to Arcadia Metal Products, Inc., Arcadia, Calif. Combined door pull and latch for sliding doors. 166,862, May 27.
Masland, C. H., & Sons, assignee: *See*—
Heller, Robert.
Massie, Lewis E., assignor to J. Goodman, Los Angeles, Calif. Relay or similar article. 167,047, June 17.
Masson, Paul, Inc., assignee: *See*—
McGinnis, James B.
Mastrangelo, Alphonse, assignor to Angel Novelty Company, Fitchburg, Mass. Flush door. 168,232, Nov. 18.
Mastrangelo, Alphonse, assignor to Angel Novelty Company, Fitchburg, Mass. Flush door. 168,233, Nov. 18.
Mastrangelo, Alphonse, assignor to Angel Novelty Company, Fitchburg, Mass. Flush door. 168,234, Nov. 18.
Mastrangelo, Alphonse, assignor to Angel Novelty Company, Fitchburg, Mass. Flush door. 168,235, Nov. 18.
Matasovic, John L., Chicago, Ill. Pressure regulator. 166,329, Apr. 1.
Matasovic, John L., Chicago, Ill. Pressure regulator. 166,330, Apr. 1.
Matthews, Idell M., Westport, Conn. Doll. 167,217, July 8.
Matsen, Adolph, Tacoma, Wash. Box for containing confections. 166,102, Nov. 4.
Maurer, Fred C., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Chair. 165,717. Jan. 22.
Maurer, Gwen A.: *See*—
Wood, Preston K., and Maurer.
Maurer, Howard W., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Sofa. 168,059, Oct. 28.
Maurer, Robert A., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Reclining chair. 166,815, May 20.
Mawhinney, Melvin C., Southfield Township, Oakland County, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing for an automobile. 167,413, Aug. 5.
Mawhinney, Melvin C., Southfield Township, Oakland County, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille panel. 167,800, Sept. 23.
Maxwell, Paul M., Milton, and K. M. Wlach, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 167,414, Aug. 5.
May Hosiery Mills, assignee: *See*—
Schwartz, Shepard B., and Blum.
Maye, Ernest A., Lenoir, and W. M. Powell, Valdese, N. C., assignors to Lenoir Hosiery Mills, Inc. Lady's stocking. 166,479, Apr. 15.
Mayer China Company, assignee: *See*—
Ambrose, Mary S.
Mayo, Clyde R., Brighton, assignor to The Haloid Company, Rochester, N. Y. Paper registration guide for an electrophotographic copying machine. 165,993, Feb. 19.
Mayo, Edward L., Cleveland, Ohio., assignor to Teledex, Inc., New York, N. Y. Combination telephone stand and index. 167,523, Aug. 19.
Mayo, Peter B., Northfield, Ill. Milk processing building. 165,692, Jan. 15.
McBride, William B.: *See*—
Selikoff, William, and McBride.
McCabe, Joseph A., assignor to Portable Electric Tools, Inc., Chicago, Ill. Portable electric drill unit. 167,415, Aug. 5.
McCann, Clyde D., Des Moines, Iowa. Housing for odor-oxidizing ozone lamp. 166,921, June 3.
McCardell, Claire, New York, N. Y. Front for spectacle frames. 167,704, Sept. 9.
McCarron, Donald F., assignor to Knapp-Monarch Company, St. Louis, Mo. Circulator fan or similar device. 165,854, Feb. 5.
McCarthy, James F., Oaks Corners, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Lens cutting machine. 167,156, July 1.
McColl, Harold D., Douglas, Wyo. Slingshot. 166,403, Apr. 8.
McConnell, James M., Chattanooga, Tenn. Picture frame. 166,331, Apr. 1.
McCord, Andrew C., Oklahoma City, Okla. Plumb bob sheath. 167,157, July 1.
McCormack, Robert E., Sr., Albany, Ga. Combined container and candy cane display. 167,840, Sept. 30.
McCulloch, Donald J.: *See*—
Gay, Fred G., Jr., and McCulloch.
McDevitt, Martha M., Atlanta, Ga. Lamp. 168,060, Oct. 28.
McDonald, Jesse D., Enid, Okla. Sport shirt. 166,092, Mar. 4.
McElroy, Roy H., assignor to International Engineering, Inc., Dayton, Ohio. Muller. 167,947, Oct. 14.
McFarland, Donald L., Stratford, Conn., assignor to General Electric Company. Cabinet electric air circulator. 167,759, Sept. 16.
McFarland, Donald L., Stratford, and B. R. Voight, Milford, Conn., assignors to General Electric Company. Food mixer power unit. 165,924, Feb. 12.
McFarland, Richard E., assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Measuring spoon. 167,580, Aug. 26.
McGee, Paul D., assignor to Superior Plastics Inc., Chicago, Ill. Rack for condiment holders or similar article. 167,993, Oct. 21.
McGinnis, James B., Burlingame, assignor to Paul Masson, Inc., Cupertino, Calif. Bottle. 168,416, Dec. 16.
McGraw Electric Company, assignee: *See*—
Bloom, Wallace M., and Simmons.
Ireland, Murray.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 167,416, Aug. 5.
McKay, Hunter B., Belmont, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Stair tread mat. 167,994, Oct. 21.
McKee Glass Company, assignee: *See*—
Poglein, Louis.
Wood, William A.
McKenna, Edward J., St. Louis, Mo. Combined display fixture and container. 167,948, Oct. 14.
McKenzie, Lawrence J., Circleville, Ohio. Combined euchre scorekeeper and ash tray or similar article. 165,925, Feb. 12.
McLain, William R., Nashville, Tenn. Water pistol. 168,314, Dec. 2.
McLellan, Helen D., and S. M. Boss, Chicago, Ill.; said Boss assignor to said McLellan. Toilet paper roll cover. 166,617, Apr. 29.
McLeod, Charles A., Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass. Cover for a vehicle wheel. 166,863, May 27.
McLeod, Charles A., Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass. Vehicle wheel trim or similar article. 167,271, July 15.
McLeod, Charles A., Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass. Wheel trim. 167,801, Sept. 23.
McLeod, Charles A., Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass. Wheel trim. 167,802, Sept. 23.
McMaster, James K., assignor to Blair Manufacturing Company, Springfield, Mass. Power lawn mower base. 166,267, Mar. 25.
McMath-Axilrod Corporation, assignee: *See*—
Gray, George W.
McMath, Marl: *See*—
Kinney, John W., Jr., and McMath.
McNally, John C., and S. F. Fuston, Jr., Fort Worth, Tex. Window for an outside door. 166,207, Mar. 18.
McPhail, Robert G., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Direct lighting fixture. 166,093, Mar. 4.
Meadows, Harry, assignor to Pickering Hosiery Mill, Inc., Phoenixville, Pa. Woman's stocking. 168,468, Dec. 23.
Mearns, Robert E., New York, N. Y. Infant's bib. 165,693, Jan. 15.
Mecum, Philip C., Haywood, Calif. Gambrel. 166,864, May 27.
Mecus, Edward E., Milwaukee, Wis. Planter. 166,094, Mar. 4.
Meek, George W.: *See*—
Von Bergen, John M., and Meek.
Meeker, Isabel I., Philadelphia, Pa. Doll. 166,816, May 20.
Meisel, Murray A.: *See*—
Secofsky, Abraham, Meisel, and Zalman.

Melich, Edwin G.: *See*—
Melich, James J. and E. G.

Melich, James J. and E. G., Chicago, Ill. Combined garden cultivating and measuring tool. 166,332, Apr. 1.

Melich, James J. and E. G., Chicago, Ill. Dressing and basting spoon. 167,467, Aug. 12.

Melker, Joseph E., New York, N. Y. Stocking. 166,095, Mar. 4.

Melville, Joseph, Long Beach, N. Y. Bow tie. 166,115, Mar. 11.

Melville, Joseph, Long Beach, N. Y. Cravat or similar article. 166,404, Apr. 8.

Melville, Richard J., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 166,766, May 13.

Menefee, Samuel W., Jr., Manheim Township, Lancaster County, Pa., assignor to H. J. Heinz Company. Jar. 166,116, Mar. 11.

Menhall, James W., assignee: *See*—
Yoss, Adolph E.

Mercer, Norman J., Brooklyn, N. Y. Spoon or the like. 166,405, Apr. 8.

Mercer, Norman J., Brooklyn, N. Y. Spoon or the like. 167,705, Sept. 9.

Mercer, Robert P.: *See*—
Farrington, Thayer B. and R. K., Ikeda, and Mercer.

Merchants Sales Corp., assignee: *See*—
Youngerman, William H.

Merkel, Arthur J., East Cleveland, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Badge. 166,767, May 13.

Merkel, Otto, Hawthorne, N. Y. Gardener's glove. 168,365, Dec. 9.

Mesl, James, Chicago, Ill. Corn buttering implement. 166,865, May 27.

Metallizing Engineering Co. Inc., assignee: *See*—
Ingham, Herbert S., and Wilson.

Meteor Manufacturing Corp., assignee: *See*—
Selikoff, William, and McBride.

Metsker, Virginia O., Wichita, Kans. Medal or similar article. 166,768, May 13.

Meyer, Charles G., assignor to The Vendo Company, Kansas City, Mo. Bottled drink vending machine case. 167,841, Sept. 30.

Meyer, Harold G., North Branch, N. J. Clip. 168,103, Nov. 4.

Meyer, Joseph F., St. Paul, Minn. Paper napkin or the like. 166,208, Mar. 18.

Meyer, William J., Ridgewood, and H. A. Flor, Merrick, N. Y. Toothpick dispenser or the like. 166,769, May 13.

Meyers, Ralph E.: *See*—
Girardy, Alfred B., Doman, and Meyers.

Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for a bracelet or the like. 165,718, Jan. 22.

Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for a bracelet or the like. 165,719, Jan. 22.

Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for a bracelet or the like. 166,042, Feb. 26.

Meyerson, Samuel, Brooklyn, N. Y. Expansible bracelet or the like. 167,995, Oct. 21.

Meyerson, Samuel, West Hempstead, N. Y. Expansible link chain for a bracelet or the like. 168,417, Dec. 16.

Michaels, John I., C. A. Loesch, K. E. Haddock, and C. J. Davis, assignors to Mid-Western Industries, Inc., Wichita, Kans. Loader unit for farm tractors. 167,758, Sept. 16.

Mid-Western Industries, Inc., assignee: *See*—
Michaels, John I., Loesch, Haddock, and Davis.

Millard, Glen E., assignor to Lactona Incorporated, St. Paul, Minn. Detachable toothpick assembly. 165,775, Jan. 29.

Miller, Alexander, Philadelphia, Pa. Lady's stocking. 165,660, Jan. 8.

Miller, Beatrice L., Cleveland, and G. Parker, Alliance, assignors to Royal China Inc., Sebring, Ohio. Plate or the like. 165,855, Feb. 5.

Miller, Claud C.: *See*—
Childers, Robert A., and Miller.

Miller, Cleta B., assignee: *See*—
Miller, Richard A.

Miller, Gordon B., Glendale, assignor to Gordon B. Miller & Co., Cincinnati, Ohio. Lapsed time telephone attachment. 166,043, Feb. 26.

Miller, Gordon B., & Co., assignee: *See*—
Miller, Gordon B.

Miller, Henry L., Chicago, Ill., assignor to Sinko Mfg. & Tool Co. Wind deflector. 166,987, June 10.

Miller, Herchael W., Davenport, and R. E. Andrews, assignors to The Prime Mover Co., Muscatine, Iowa. Power-operated wheelbarrow. 166,817, May 20.

Miller, J. H., assignee: *See*—
Miller, Richard A.

Miller, John H., La Grange, Mo. Mask or the like. 167,706, Sept. 9.

Miller, Melvin G., Houston, Tex. Grease jar. 166,480, Apr. 15.

Miller, Melvin G., and F. G. Yates, Houston, Tex.; said Yates assignor to said Miller. Lawn sprinkler. 167,218, July 8.

Miller, Richard A., assignor of one-half to J. H. Miller, and one-half to C. B. Miller, New Philadelphia, Ohio. Telephone call timer unit. 165,595, Jan. 1.

Miller, Royal A., Metamora, Ohio. Fishhook shield. 167,803, Sept. 23.

Miller, William J., Jr., assignor of one-third to W. M. Robertson and one-third to W. H. Ohruh, Denver, Colo. Pour counter for liquor bottles. 167,707, Sept. 9.

Millers Falls Company, assignee: *See*—
Moore, Fred W.

Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 167,804, Sept. 23.

Mills Memorial Hospital, assignee: *See*—
Ruboll, Marie B.

Millway Knitting Mill, Inc., assignee: *See*—
Senior, George W.

Milner, William S., Chicago, Ill. Food and drink bar unit or similar article. 166,096, Mar. 4.

Milstein, Victor, New York, N. Y. Buckle. 166,044, Feb. 26.

Milwaukee Gas Specialty Company, assignee: *See*—
Hughes, John J., Jr., and Stevens.

Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.

Mince, John B., Fort Payne, Ala. Post mitt for chairs and other furniture. 166,618, Apr. 29.

Miner, Milton C., Freeport, Mich. Display rack or similar article. 168,366, Dec. 9.

Minick, William L., Waynesboro, Pa. Periodical support. 166,406, Apr. 8.

Minick's Ice Cream Co., Inc., assignee: *See*—
Kelley, Walter C., and Phillips.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Leotta, Samuel S.

Miran, Julius, New York, N. Y. Stocking. 165,694, Jan. 15.

Miran, Julius, New York, N. Y. Stocking. 165,695, Jan. 15.

Miran, Julius, New York, N. Y. Stocking. 165,696, Jan. 15.

Miran, Julius, New York, N. Y. Stocking. 165,994, Feb. 19.

Miran, Julius, New York, N. Y. Stocking. 165,995, Feb. 19.

Miran, Julius, Teaneck Township, Bergen County, N. J. Stocking. 168,104, Nov. 4.

Miscoe Spring Water Company, assignee: *See*—
Mainini, Rudolph R., Jr.

Mitchell, Curtis P., North College Hill, and C. C. Bernitt, Newtown, assignors to Palmer Thermometers, Inc., Norwood, Ohio. Mercury actuated adjustable dial type thermometer. 168,105, Nov. 4.

Mitchell, John L., assignor to Mitchell Mobilhangar Corporation, New York, N. Y. Portable airplane hangar. 167,468, Aug. 12.

Mitchell Mobilhangar Corporation, assignee: *See*—
Mitchell, John L.

Mitchell, Robert L., Los Angeles, Calif. Child's play mat. 168,106, Nov. 4.

Modern Color, Inc., assignee: *See*—
Tuttle, Paul.

Modern Village Stores, Inc., assignee: *See*—
Crawford, Wayland H.
Hartup, Frederick W.

Moessner, Oscar, Union, N. J. Artificial Christmas tree. 168,107, Nov. 4.

Moessner, Oscar, Union, N. J. Decorative foldable screen. 168,108, Nov. 4.

Mohn Brothers Company, Incorporated, assignee: *See*—
Mohn, John D.

Mohn, John D., Robesonia, assignor to Mohn Brothers Company, Incorporated, Reading, Pa. Felt hat body or similar article. 167,643, Sept. 2.

Mohr, Ann E., New York, N. Y. Gift stocking. 167,842, Sept. 30.

Mojud Hosiery Co., Inc., assignee: *See*—
Judson, Nathaniel.

Molla, Charles P., New Hyde Park, N. Y. Table frame. 168,167, Nov. 11.

Molla Incorporated, assignee: *See*—
Grundy, Lester.

Moloney, Raymond T., assignee: *See*—
Breitenstein, Charles T.
Gast, George A.

Monkres, Omey M., assignor of one-half to A. P. Smith, Long Beach, Calif. Backboard for an amusement device or the like. 167,469, Aug. 12.

Monkres, Omey M., assignor of one-half to A. P. Smith, Long Beach, Calif. Playing board for a game device or the like. 167,470, Aug. 12.

Monroe, Harry E., Los Angeles, Calif. Boot for dogs. 167,092, June 24.

Montenier, Jules, Chicago, Ill. Flexible bottle. 168,110, Nov. 4.

Montenier, Jules B., Chicago, Ill. Flexible bottle. 168,109, Nov. 4.

Montgomery Steel Products, assignee: *See*—
Jenkins, Howard M., Jr.

Montmeat, Richard, Syracuse, N. Y., assignor to General Electric Company. Radio receiver. 166,333, Apr. 1.

Mood, Paul, assignee: *See*—
Pfeffer, William E., and Mood.

Moon, Lester, Chicago, Ill. Combined bird perch and mirror. 166,334, Apr. 1.

Moor, Dudley W., Jr., assignor to American Mat Corporation, Toledo, Ohio. Floor mat. 165,926, Feb. 12.

Moore, Alonzo, Baltimore, Md. Combination telephone stand and memorandum holder. 167,708, Sept. 9.

Moore, Fred W., assignor to Millers Falls Company, Greenfield, Mass. Belt sander. 166,045, Feb. 26.

Moore, John C., Los Angeles, Calif. Fork. 168,061, Oct. 28.

Moore, John J., Dallas, assignor to Wisteria Hosiery Mills, Inc., Gastonia, N. C. Lady's stocking. 167,764, Sept. 16.

Moore, Max E., Houston, Tex. Awning. 168,062, Oct. 28.

Moore, Robert L., Denver, Colo. Awning. 167,524, Aug. 19.

Moore, Walter E., assignor to Knapp-Monarch Company, St. Louis, Mo. Fan. 167,093, June 24.

Moore, Walter E., assignor to Knapp-Monarch Company, St. Louis, Mo. Food mixer. 168,063, Oct. 28.

Moore, Walter E., St. Louis County, assignor to Swing-A-Way Manufacturing Company, St. Louis, Mo. Can opener. 167,581, Aug. 26.

Morn, Pierre E., assignor to Perhl, S. A., Geneva, Switzerland. Cigarette lighter. 165,927, Feb. 12.

Morante, Valeriano I., San Francisco, Calif. Grater. 167,362, July 29.

Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Deep fat fryer. 165,596, Jan. 1.

Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Combined liquifier jar and beater element. 166,268, Mar. 25.

Morgan, Jack, assignor to Price Brothers, Inc., Chicago, Ill. Illuminable sign. 166,335, Apr. 1.

Morgan, Jack, Chicago, Ill. Combination grill, waffle iron, and broiler. 167,757, Sept. 16.

Morgenstern, Elliott: *See*—
Morgenstern, Joseph and E.

Morgenstern, Joseph, University Heights, and E. Morgenstern, Cleveland, Ohio. Combined portable spotlight and bracket. 168,469, Dec. 23.

Morrill, Melvin A., assignee: *See*—
Enos, Joe, Jr.

Morris, Curtis T., and T. E. Coners, assignors, by mesne assignments, to RPM Manufacturing Company, Lamar, Mo. Rotary mower housing. 168,064, Oct. 28.

Morris Dale R., Walla Walla, Wash. Golf cart handle article support. 165,661, Jan. 8.

Morrison, William P., assignor to Bryce Brothers Company, Mount Pleasant, Pa. Goblet or similar article. 166,481, Apr. 15.

Morrison, William P., assignor to Bryce Brothers Company, Mount Pleasant, Pa. Goblet or similar article of stemware. 167,272, July 15.

Morse, Phillip S., New York, N. Y. Sewing machine. 168,168, Nov. 11.

Mosher, Asa H., Westfield, N. J. Battery filler unit. 166,482, Apr. 15.

Mosler Safe Company, The, assignee: *See*—
Rutan, Earl F.

Motor Products Corporation, assignee: *See*—
Konefes, Joseph H.
Walter, John H.

Motor Wheel Corporation, assignee: *See*—
Hosmer, Max E.

Mottus, Harold K., Alberta, Canada. Spoon or other article of tableware. 167,471, Aug. 12.

Moyer, Kenneth E., Port Vue, Pa., assignor to B. N. Cantor and Educational Toy Institute of New York, Staten Island, N. Y. Educational toy vehicle. 167,525, Aug. 19.

Muehlfeld, Clarence G., Bridgeport, Mich. Combination fountain feeder and waterer. 167,709, Sept. 9.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 165,697, Jan. 15.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 166,269, Mar. 25.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 166,270, Mar. 25.

Mueller, Walter, Clifton, N. J. Lady's stocking. 166,483, Apr. 15.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 166,818, May 20.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 166,819, May 20.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 167,805, Sept. 23.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 167,806, Sept. 23.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 167,843, Sept. 30.

Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 167,844, Sept. 30.

Muench, Toni O., East Liverpool, Ohio, assignor to Fisher Bruce & Company, Philadelphia, Pa. Plate or similar article. 167,472, Aug. 12.

Mulholland, Robert: *See*—
Wood, Geoffrey H., and Mulholland.

Muller, Georges H., Poissy, France. Automobile. 167,905, Oct. 7.

Muller, Georges H., Poissy, France. Automobile. 167,906, Oct. 7.

Muller-Munk, Peter: *See*—
Emmons, Arthur N., and Muller-Munk.

Muller-Munk, Peter, Pittsburgh, Pa., assignor to Bell & Howell Company, Chicago, Ill. Standard for motion-picture projectors or the like. 166,988, June 10.

Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Jacobs Manufacturing Company, West Hartford, Conn. Spindle nose collet chuck. 167,473, Aug. 12.

Munising Wood Products Co., Inc., assignee: *See*—
Simpson, Thomas H.

Munn, Carolyn N., New York, N. Y. Handbag. 165,662, Jan. 8.

Munn, Carolyn N., New York, N. Y. Plastic handbag. 167,219, July 8.

Munroe, Richard G., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Control knob. 166,546, Apr. 22.

Munschauer, Frederick E., Jr., Buffalo, N. Y. Shear. 167,710, Sept. 9.

Murphy, Agatha S., Las Vegas, Nev. Detachable ornamental clip for eyeglasses. 167,526, Aug. 19.

Murphy, Joseph E., Hicksville, and M. Schnall, Brooklyn, N. Y. Tray for a wrapped tomato container. 167,417, Aug. 5.

Murphy, Joseph E., Hicksville, and M. Schnall, Brooklyn, assignors to See-Qual Package Corp., New York, N. Y. Tray for a wrapped fruit container. 168,470, Dec. 23.

Murphy, William B., Crandall, Tex. Trousers or similar article. 167,048, June 17.

Muscetra, Amerigo, New York, N. Y. Lipstick case. 165,597, Jan. 1.

Mustee, Bernard E., Cleveland, Ohio. Laundry tub cabinet. 167,644, Sept. 2.

Myers, Clifford R., Bloomington, Ind. Scoreboard for wrestling matches. 167,094, June 24.

Myers, Minnie, Kingsville, Tex. Dress ornament. 166,097, Mar. 4.

Myrtinger, Lee S., assignor of one-half to W. S. Casselberry, Long Beach, Calif. Transparent capsule and tablet pocket carrier. 165,856, Feb. 5.

Napolitani, Frank D., New York, N. Y. Cuff link or similar article. 167,845, Sept. 30.

Nash, Charles A., Seattle, Wash. Combination toy chair, cradle, and table. 166,484, Apr. 15.

National Bank and Trust Company of South Bend, The, administrator: *See*—
Spencer, Harlan L., and Beeson.

National Brush Company, assignee: *See*—
Porter, Clyde A.

National Gourmet Shops, Inc., assignee: *See*—
Dorsey, Leslie S.

National Laboratories, Inc., assignee: *See*—
Fournier, Albert B., and Williams.

National Plastic Corp., assignee: *See*—
Rubin, Noah.

National Screw & Manufacturing Company, The, assignee: *See*—
Summerhill, Walter E.

National Silver Company, assignee: *See*—
Bernstein, Milton.
Cassidy, Edward J.
Eisenberg, Arthur A.
Weeber, Marion.

Navarro, Eugene M., New York, N. Y. Milk bottle holder. 168,111, Nov. 4.

Nelmor Corporation, assignee: *See*—
Nelson, Dwight M.

Nelson, Carlton L., East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Saucer or similar article. 165,857, Feb. 5.

Nelson, Carlton L., East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Cup or similar article. 165,858, Feb. 5.

Nelson, Carlton L., East Aurora, N. Y., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Dinner plate or similar article. 166,209, Mar. 18.

Nelson, Dwight M., Chicago, Ill., assignor to Nelmor Corporation. Automobile rearview mirror. 166,922, June 3.

Nelson, George B., Chicago, Ill. Device for transporting bedridden patients. 165,598, Jan. 1.

Nelson, James A., Elmhurst, G. W. Kamin, Lombard, and L. E. Wolske, assignors to Cribben and Sexton Company, Chicago, Ill. Range. 166,117, Mar. 11.

Nelson, Noral A.: *See*—
Klemm, Herman G., and Nelson.

Nelson, Robert M., Lombard, Ill. Chair. 165,77€, Jan. 29.

Nelson, Van, Monterey Park, Calif., assignor to Pacific Hard Rubber Company. Battery kit container. 168,367, Dec. 9.

Nemes, Stephen, Chicago, Ill. Photograph frame. 165,859, Feb. 5.

Nettles, Roger S., Jackson, Miss. Shingle roof or the like. 167,474, Aug. 12.

Neuweld, Leonard C., assignor to The Delman Corporation, Des Moines, Iowa. Windshield washer nozzle. 167,527, Aug. 19.

Nevelson, Corrine J., New York, N. Y. Spoon or similar article. 166,407, Apr. 8.

New Holland Machine Division of The Sperry Corporation, assignee: *See*—
Hill, George B., and Happe.
Newhouse, Leon, Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch case or similar article. 165,599, Jan. 1.
Newman, Charles H., Northfield, and J. L. Hvale, assignors to Teamakers, Inc., Chicago, Ill. Teapot or similar article. 167,645, Sept. 2.
Newman, Morris, assignor to Surprise Brassiere Co., Inc., New York, N. Y. Brassière. 166,485, Apr. 15.
New Monarch Machine and Stamping Co., assignee: *See*—
Scanland, Joseph E.
Ney, Pauline D., assignor to Paddies Incorporated, Santa Monica, Calif. Slipper or similar article. 167,159, July 1.
Neyhard, Ernest R., Pottstown, Pa. Toy merry-go-round. 167,221, July 8.
Nielsen, Bert W., assignor to Golden Citrus Juices, Inc., Fullerton, Calif. Closure cap for bottles or similar articles. 168,471, Dec. 23.
Nielsen, Frederick J., Redmond, Wash. Jewelry component. 167,418, Aug. 5.
Nissman, Marvin J., Philadelphia, Pa. Folding chair. 168,518, Dec. 30.
Noble, F. H., & Company, assignee: *See*—
Bedinger, Frank M.
Fosler, Donald R., and Hansen.
Noelting, Elmer H., Evansville, Ind. Card game tray. 166,696, May 6.
Norby, Clarence V.: *See*—
Haman, Ralph W., Girardy, and Norby.
Jones, Basil E., and Norby.
Nordman, Richard W., assignor of fifty per cent to Creston Full Fashioned Hosiery Mills, Inc., and fifty per cent to The Lockwood-Butler Company, Charlotte, N. C. Lady's stocking. 166,271, Mar. 25.
North American Lace Co., Inc., assignee: *See*—
Edson, Bert.
Northwest Plastics, Incorporated, assignee: *See*—
Laughlin, Clayton A.
Northwestern Corporation, The, assignee: *See*—
Jones, Alva R.
Novelty Utilities, Inc., assignee: *See*—
Karoff, Robert B.
Nudelman, Eolna: *See*—
Reed, Bayard C., and Nudelman.
Nu-Dent Porcelain Studios, Inc., assignee: *See*—
Gold, Nat.
Nulty, William B., trustee, assignee: *See*—
Despres, Urban H.
Randall, Walter H.
Nusbaum, Benjamin, Washington, D. C. Infant nursing bottle. 167,273, July 15.
Nu Tone, Inc., assignee: *See*—
Corbett, Joseph R.
Nye, Maurice E., deceased, Barberton, Ohio; W. L. Nye, executor of said M. E. Nye. Coaster pad. 166,866, May 27.
Nye, Willard L., executor: *See*—
Nye, Maurice E.
Nyholm, Erik G., Falun, Sweden. Hourglass. 166,486, Apr. 15.
Nystrom, Dorothy B.: *See*—
Klein, Mae I., and Nystrom.
O. E. M. Corporation, assignee: *See*—
Reading, Robert J.
Oake, John G., Deer Lake, Newfoundland. Combined axe and hook. 166,408, Apr. 8.
O'Connor, Charles B., Arlington, Mass. Protractor for axonometric drawing. 166,118, Mar. 11.
O'Connor, Donald J., East Hartford, Conn. Smoker's accessory. 167,646, Sept. 2.
Odzer, Harry, New York, N. Y. Textile fabric. 166,770, May 13.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 167,528, Aug. 19.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 167,529, Aug. 19.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 167,530, Aug. 19.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 167,531, Aug. 19.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 167,846, Sept. 30.
Offner, Mel, New Orleans, La. Record cabinet. 167,765, Sept. 16.
Offutt, Glenn, Warren, and W. Daum, Niles, Ohio. Picnic table. 165,777, Jan. 29.
Ohio Match Company, The, assignee: *See*—
Sinks, Frank L.
Ohruh, William H., assignee: *See*—
Miller, William J., Jr.
Oiljak Manufacturing Co., Inc., The, assignee: *See*—
Persak, George, Jr.
Old, Robert C., Spokane, Wash. Liquid dispenser. 166,989, June 10.
Olevin, Adolph, Brooklyn, N. Y. Bobby pin. 167,766, Sept. 16.
Olsen, Edward F., Hillman, Mich. Spillproof glass. 165,778, Jan. 29.
Olson, Carl J., Atlanta, W. E. Bobo, Decatur, and F. H. Hudson, Tucker, Ga. Awning. 168,368, Dec. 9.
Olson, Melford E., Red Lake Falls, Minn. Dispensing container for liquids. 166,820, May 20.
Omoto, Akira, San Francisco, Calif. Combined salt and pepper shaker. 168,369, Dec. 9.
O'Neal, Charlie E., Houston, Tex. Kitchen cabinet unit. 168,169, Nov. 11.
Oneida Ltd., assignee: *See*—
Allen, Grosvenor N., Fleming, and Ressegger.
Andrews, Howard S.
O'Neil, James R., San Francisco, Calif. Dental mirror. 167,767, Sept. 16.
O'Neill, Ralph A., Englewood, N. J. Deck chair. 166,990, June 10.
Onondaga Pottery Company, assignee: *See*—
Bourne, Douglas.
Cowan, R. Guy.
Dost, Helen M.
Folley, Donald E.
Leigh, Cyril W.
McKaig, Charles H.
Otis, Edward M.
Vreeland, Peggy S.
Oppenheimer, Siegfried L., New York, N. Y. Narrow textile fabric or the like. 167,996, Oct. 21.
Oppenheimer, Siegfried L., New York, N. Y. Narrow textile fabric or the like. 168,274, Nov. 25.
Orloff, Jack, New York, N. Y. Blouse. 165,600, Jan. 1.
Orloff, Jack, New York, N. Y. Blouse. 165,601, Jan. 1.
Orloff, Jack, New York, N. Y. Blouse. 165,602, Jan. 1.
Orloff, Jack, New York, N. Y. Blouse. 165,603, Jan. 1.
Orloff, Jack, New York, N. Y. Blouse. 165,604, Jan. 1.
Orloff, Jack, New York, N. Y. Blouse. 166,119, Mar. 11.
Orloff, Jack, New York, N. Y. Blouse. 166,697, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,698, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,699, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,700, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,701, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,702, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,703, May 6.
Orloff, Jack, New York, N. Y. Blouse. 166,704, May 6.
Orloff, Jack, New York, N. Y. Blouse. 168,170, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,171, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,172, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,173, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,174, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,175, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,176, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,177, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,178, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,179, Nov. 11.
Orloff, Jack, New York, N. Y. Blouse. 168,180, Nov. 11.
Ornas, Theodore, Jr., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle cab. 166,705, May 6.
Ornas, Theodore, Jr., Fort Wayne, Ind., assignor to International Harvester Company. Motor vehicle cab. 168,112, Nov. 4.
Orvedahl, Roy E., Minneapolis, Minn. Photograph album. 165,860, Feb. 5.
Oslus, Adolph P., assignor to Detroit Stamping Company, Detroit, Mich. Erasure shield. 167,481, Aug. 12.
Oster, John, Manufacturing Company, assignee: *See*—
Iannelli, Alfonso.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,046, Feb. 26.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,336, Apr. 1.
Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 166,547, Apr. 22.
Otterberg, Herbert C., Brockton, and C. H. Jones, Jr., Milton, assignors to Commonwealth Shoe and Leather Company, Whitman, Mass. Shoe. 168,181, Nov. 11.
Otto, Carl, New York, N. Y., assignor to The Dole Valve Company, Chicago, Ill. Heat register or similar article. 168,182, Nov. 11.
Otto, Carl, and J. Doblin, New York, N. Y., assignors to The Torsion Balance Company, Clifton, N. J. Analytical balance. 165,996, Feb. 19.
Otto, Carl L., New York, N. Y., assignor to The Torsion Balance Company, Clifton, N. J. Laboratory scale. 166,771, May 13.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,113, Nov. 4.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,114, Nov. 4.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,115, Nov. 4.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,116, Nov. 4.
Ovendale, Raymond H., Alhambra, Calif. Table unit. 166,991, June 10.
Overbaugh, Charles B., Denver, Colo. Holder for toothpicks or similar articles. 167,532, Aug. 19.
Owens, Freeman H., New York, N. Y. Duplex camera. 167,997, Oct. 21.
Owens-Illinois Glass Company, assignee: *See*—
Lorenzen, Arnold I.
Ox Fibre Brush Company, Inc., assignee: *See*—
Partridge, Melvin H.

Oxwall Tool Co., Ltd., assignee: *See*—
Blum, Sidney.
Pabco Products Inc., assignee: *See*—
Lawrence, Andrew E.
Pace, Seth S., Staten Island, N. Y. Combined ash tray, compass, sundial, and billboard or similar article. 168,117, Nov. 4.
Paciello, Albert W., Richmond Hill, N. Y. Combined buckle and lighter. 166,409, Apr. 8.
Pacific Hard Rubber Company, assignee: *See*—
Nelson, Van.
Packard Motor Car Company, assignee: *See*—
Phaneuf, Charles H.
Robinson, William E.
Packard, Virgil S., San Francisco, Calif. Game board. 167,949, Oct. 14.
Paden, Frederick T., Collingswood, N. J. Snowshoe. 166,120, Mar. 11.
Paden, Frederick T., Collingswood, N. J. Snowshoe. 166,121, Mar. 11.
Padies Incorporated, assignee: *See*—
Ney, Pauline D.
Page, Mark, East Orange, N. J. Toy stove or similar article. 165,605, Jan. 1.
Pagliuca, Michael, assignor to Alcore Novelty Company, New York, N. Y. Adjustable clasp for necklaces or the like. 165,779, Jan. 29.
Paige, Richard E., New York, N. Y. Merchandise receptacle. 165,861, Feb. 5.
Paine, Herman, Muncie, Ind. Combined parking lamp and mirror. 168,065, Oct. 28.
Painter, David L., Evanston, Ill., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner. 165,780, Jan. 29.
Palamidessi, Emilio: *See*—
Corsi, Telemaco, and Palamidessi.
Palma, Joseph, Jr., Berwyn, Ill., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 166,548, Apr. 22.
Palmer Thermometers, Inc., assignee: *See*—
Mitchell, Curtis P., and Bernitt.
Palo, Maurice: *See*—
Dvorsky, Alexander L., and Palo.
Pandy, Elmer, Clute, Ontario, Canada. Ash tray. 166,706, May 6.
Panzer, William C., Chicago, Ill. Smoker's stand or similar article. 165,781, Jan. 29.
Parcher, James H., Bala-Cynwyd, assignor to The Charles E. Hires Co., Philadelphia. Beverage dispensing stand or similar article. 167,222, July 8.
Parent, McKenzie H., Tampico, and A. V. Skarin, Prophetstown, Ill.; said Skarin assignor to said Parent. Combined mass card holder and deposit box. 165,663, Jan. 8.
Parisi, Charles T., Pawtucket, assignor to Parisi Tool Company, Providence, R. I. Bracelet or similar article. 165,606, Jan. 1.
Parisi Tool Company, assignee: *See*—
Parisi, Charles T.
Park, Tracy S., Houston, Tex. Golf club putter head. 166,337, Apr. 1.
Parker, Glidden M., Jr., Alfred, N. Y. Cup. 165,782, Jan. 29.
Parker, Gordon: *See*—
Miller, Beatrice L., and Parker.
Parker, Otto R., New York, N. Y. Packaging display kit or similar article. 168,472, Dec. 23.
Parker Pen Company, The, assignee: *See*—
Chapman, Dave.
Parker, William E., Warren, Ohio. Mop. 166,487, Apr. 15.
Partridge, Melvin H., assignor to Ox Fibre Brush Company, Inc., Frederick, Md. Brush. 165,862, Feb. 5.
Parucki, Edward, Lackawanna, and E. S. Cebulski, Buffalo, N. Y. Christmas tree holder. 165,928, Feb. 12.
Parva Products Company, assignee: *See*—
White, Paul W.
Paskes, Marks F., assignee: *See*—
Fuld, Walter S.
Paster, Elizabeth, Detroit, Mich. Skating shoe muff. 166,707, May 6.
Pastine, Ray J., San Francisco, Calif. Sandal. 166,122, Mar. 11.
Pastine, Ray J., San Francisco, Calif. Sandal. 166,123, Mar. 11.
Pastine, Ray J., San Francisco, Calif. Sandal. 167,533, Aug. 19.
Patrick, Kenneth A., assignor to Bethesda Pastry Shops, Inc., Bethesda, Md. Iced cake. 168,519, Dec. 30.
Patterson, Arthur L., Sr., assignor to Lillian Knitting Mills Company, Albemarle, N. C. Lady's stocking. 167,768, Sept. 16.
Patterson, William N., Detroit, Mich. Air cleaner head. 167,223, July 8.
Pattis, David, Chicago, Ill. Automobile headlight visor. 168,418, Dec. 16.
Paul, Carl W., New York, N. Y. Combined slicing and storing device. 166,619, Apr. 29.
Paulson, Thomas V., Fallbrook, Calif. Goggle or similar article. 165,863, Feb. 5.
Pauwels, Leo R., Los Angeles, Calif. Link chain. 166,821, May 20.
Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe cutter. 167,049, June 17.
Pearce, Woodrow W., Los Angeles, Calif. Scalp massage brush or similar article. 166,124, Mar. 11.
Pearlstine, Morton, Bala Cynwyd, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 166,549, Apr. 22.
Pearlstine, Morton, Bala Cynwyd, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 166,550, Apr. 22.
Pearne, Frank S., Alhambra, assignor to Regent Jack Mfg. Co., Los Angeles, Calif. Jack. 168,473, Dec. 23.
Pechnikoff, Matvey F., Los Angeles, Calif. Chair. 167,419, Aug. 5.
Pederson, Henry: *See*—
Wogomon, Donald G., and Pederson.
Pelletier, George: *See*—
Burnett, Frank R., Schmidke, and Pelletier.
Pennebaker, Lewis C., assignor to O. B. Andrews Company, Chattanooga, Tenn. Paperboard tray. 167,095, June 24.
Penn Maid Hosiery Mills, Inc., assignee: *See*—
Fisher, Max, and Ireland.
Pennock, Robert L., Jr., Denver, and R. J. Breer, Littleton, assignor to Heiland Research Corporation, Denver, Colo. Combined flashgun and camera mount. 165,783, Jan. 29.
Pennock, Robert L., Jr., Denver, and R. J. Breer, Littleton, assignors to Heiland Research Corporation, Denver, Colo. Flashgun. 165,784, Jan. 29.
Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation. Composite lens for runway lights. 168,236, Nov 18.
Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation. Composite lens for runway lights. 168,237, Nov. 18.
Pepin, Raoul J., Ferndale, assignor to General Motors Corporation, Detroit, Mich. Automotive vehicle hood ornament. 168,315, Dec. 2.
Perfumatic of Canada Limited, assignee: *See*—
Hoffman, Larry.
Perhi, S. A., assignee: *See*—
Mora, Pierre E.
Perl, Frederick W.: *See*—
Guild, Lurelle, and Perl.
Perl, Frederick W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation. Pressing iron. 167,096, June 24.
Perlman, Arnold, Greenwich, Conn., assignor to Helene Pessl, Inc., New York, N. Y. Holder for cosmetics or similar article. 168,238, Nov. 18.
Perlongo, Dominic R., Chicago, Ill. Ash tray. 166,272, Mar. 25.
Permo, Incorporated, assignee: *See*—
Andres, Lloyd J.
Perry, Frank R., Los Angeles, Calif. Combined clock, lamp, and vase. 168,066, Oct. 28.
Perry, Joll, Miami, Fla. Drinking cup or similar article. 167,420, Aug. 5.
Persak, George, Jr., Verona, assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J. Liquid containing reservoir of a drink dispensing machine. 165,997, Feb. 19.
Personal Products Corporation, assignee: *See*—
West, William.
Perugia, André, Paris, France, assignor to Anper, Inc., Long Island City, N. Y. Lady's shoe or similar article. 166,867, May 27.
Perugia, André, Paris, France, assignor to Anper, Inc., Long Island City, N. Y. Lady's shoe or similar article. 166,868, May 27.
Pessl, Helene, Inc., assignee: *See*—
Perlman, Arnold.
Peters, Edward O., La Crosse, Wis. Microphotograph viewer. 167,363, July 29.
Peters, Leo, Evanston, Ill. Molded food product. 165,929, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,930, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,931, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,932, Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 165,933 Feb. 12.
Peters, Leo, Evanston, Ill. Molded food product. 166,552, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,553, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,554, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,555, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,556, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,557, Apr. 22
Peters, Leo, Evanston, Ill. Molded food product. 166,558, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,559, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,560, Apr. 22.
Peters, Leo, Evanston, Ill. Molded food product. 166,561, Apr. 22.

Peters, Leo, Evanston, Ill. Molded food product. 166,562, Apr. 22.

Peters, Leo, Evanston, Ill. Molded food product. 166,563, Apr. 22.

Peters, Leo, Evanston, Ill. Molded food product. 166,564, Apr. 22.

Peters, Leo, Evanston, Ill. Molded food product. 166,869, May 27.

Peters, Leo, Evanston, Ill. Molded food product. 166,870, May 27.

Peters, Leo, Evanston, Ill. Molded food product. 166,871, May 27.

Peters, Leo, Evanston, Ill. Molded food product. 166,872, May 27.

Peters, Leo, Evanston, Ill. Molded food product. 166,873, May 27.

Peters, Leo, Evanston, Ill. Molded food product. 166,992, June 10.

Peters, Leo, Evanston, Ill. Molded food product. 167,475, Aug. 12.

Peters, Leo, Evanston, Ill. Molded food product. 167,476, Aug. 12.

Peters, Leo, Evanston, Ill. Molded food product. 167,477, Aug. 12.

Peters, Leo, Evanston, Ill. Molded food product. 167,478, Aug. 12.

Peters, Leo, Evanston, Ill. Molded food product. 167,479, Aug. 12.

Peters, Leo, Evanston, Ill. Molded food product. 167,534, Aug. 19.

Peters, Leo, Evanston, Ill. Molded food product. 167,535, Aug. 19.

Peters, Leo, Evanston, Ill. Molded food product. 167,536, Aug. 19.

Peters, Leo, Evanston, Ill. Molded food product. 167,537, Aug. 19.

Peters, Leo, Evanston, Ill. Molded food product. 167,538, Aug. 19.

Peters, Leo, Evanston, Ill. Molded food product. 167,582, Aug. 26.

Peters, Leo, Evanston, Ill. Molded food product. 167,583, Aug. 26.

Peters, Leo, Evanston, Ill. Molded food product. 167,847, Sept. 30.

Peters, Leo, Evanston, Ill. Molded food product. 167,848, Sept. 30.

Peters, Mary W., Boulder, Colo. Child's bassock. 165,864, Feb. 5.

Petersen, Thorvald: *See*—
De Young, Jack, Petersen, and Steglich.

Peterson, Edwin F., Kewanee, Ill. Flatiron stand. 167,480, Aug. 12.

Peterson, John B., Sausalito, Calif. Combined high chair and stroller. 166,822, May 20.

Petracek, Vaclav, Long Island City, assignor to Hafner Associates, Inc., New York, N. Y. Woven plastic fabric. 166,125, Mar. 11.

Petracek, Vaclav, Long Island City, assignor to Hafner Associates, Inc., New York, N. Y. Woven plastic fabric. 166,210, Mar. 18.

Petracek, Vaclav, Long Island City, N. Y. Woven plastic fabric. 166,765, May 13.

Petracek, Vaclav, Long Island City, N. Y. Woven plastic fabric. 168,183, Nov. 11.

Petrone, Joseph, Brooklyn, N. Y. Extension table. 166,620, Apr. 29.

Petteruti, Guido R., Cranston, R. I. Buckle. 168,118, Nov. 4.

Petts, Josephine M., executrix: *See*—
Schilmann, Hans M.

Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Table or similar article. 166,338, Apr. 1.

Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Table or similar article. 168,419, Dec. 16.

Pfaff, G. M., A. G., assignee: *See*—
Bungert, Heinrich.

Pfeffer, William E., assignor to P. Mood, L. Vold, and W. E. Pfeffer, co-partners, doing business as The Electro-Mechanical Instrument Company, Perkasie, Pa. Hearing aid battery tester. 168,239, Nov. 18.

Phaneuf, Charles H., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle trim louver or similar article. 167,907, Oct. 7.

Phelps, William H., Ralston, Nebr. Combined starting pulley and blower for a gasoline engine. 167,769, Sept. 16.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 165,664, Jan. 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,211, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 166,212, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 166,213, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,214, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,215, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,216, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,217, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,218, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,219, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,220, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,221, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,222, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 166,223, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 166,224, Mar. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,339, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,340, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,341, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,342, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,343, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,344, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,345, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,346, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,347, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,348, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 166,349, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,350, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,351, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,352, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,353, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,354, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,355, Apr. 1.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 166,488, Apr. 15.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 166,489, Apr. 15.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 166,490, Apr. 15.

Philippe, Alfred, Scarsdale, N. Y. Brooch or the like. 166,491, Apr. 15.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,565, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,566, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,567, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,568, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,569, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,570, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,571, Apr. 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 166,621, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,622, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,623, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,624, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,625, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,626, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,627, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,628, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 166,629, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 166,630, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,631, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,632, Apr. 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,708, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,709, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,710, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,711, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 166,772, May 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,993, June 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,050, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,051, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,052, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,053, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,054, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,055, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,056, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,057, June 17.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 167,097, June 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,098, June 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,099, June 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or the like. 167,224, July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,225, July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,226, July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,227, July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,228, July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,229, July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,274, July 15.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,364, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,365, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,366, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,367, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,368, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,369, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 167,370, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 167,371, July 29.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,421, Aug. 5.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,584, Aug. 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 167,585, Aug. 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,647, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,648, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,649, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,650, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,651, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,652, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 167,653, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 167,654, Sept. 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,711, Sept. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,712, Sept. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,713, Sept. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,714, Sept. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,715, Sept. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,716, Sept. 9.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 167,849, Sept. 30.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 167,850, Sept. 30.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 167,851, Sept. 30.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or the like. 168,067, Oct. 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 168,068, Oct. 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 168,069, Oct. 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 168,184, Nov. 11.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 168,185, Nov. 11.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 168,186, Nov. 11.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 168,187, Nov. 11.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 168,188, Nov. 11.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 168,370, Dec. 9.

Phillippi, Glen K., Moscow, Idaho. Highway warning sign. 166,923, June 3.

Phillips, George L., Newkirk, and L. E. Terry, Ponca City, Okla. Cigarette service tray. 167,100, June 24.

Phillips, Herbert C.: *See*—
Kelley, Walter C., and Phillips.

Pichel, Irving, New York, N. Y. Handbag. 167,586, Aug. 26.

Pichel, Irving, New York, N. Y. Handbag or similar article. 168,119, Nov. 4.

Pickering Hosiery Mill, Inc., assignee: *See*—
Meadows, Harry.

Pierce, Frank A., Florence, Ala. Gentleman's chiffonier or similar article. 167,587, Aug. 26.

Pierce, Maurice C., Chicago, Ill. Warning signal. 165,720, Jan. 22.

Pilkey, Harold W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Ornament for an automobile hood. 167,655, Sept. 2.

Pillars, Miles D., assignee: *See*—
Shinn, Charles C.

Pillsbury Mills, Inc., assignee: *See*—
McFarland, Richard E.

Pinkham, William A., Jr., Fort Worth, Tex. Bookholder. 168,420, Dec. 16.

Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Chain for a wristband or similar article. 167,160, July 1.

Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Chain for a wristband or similar article. 167,161, July 1.

Pitman-Dreitzer & Co., Inc., assignee: *See*—
Dreitzer, Albert J.

Plant, James, Eccleshall, assignor to Grimwades Limited, Stoke-on-Trent, England. Transfer material or the like. 166,273, Mar. 25.

Plant, James, Eccleshall, assignor to Grimwades Limited, Stoke-on-Trent, England. Transfer material or the like. 166,274, Mar. 25.

Plastics Innovations, Inc., assignee: *See*—
Harrison, Seymour.

Plomb Tool Company, The, assignee: *See*—
Howard, Edgar F.

Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Glass ash tray. 166,994, June 10.

Pollard, Maurice B., Pampa, Tex. Portable barbecue. 165,998, Feb. 19.

Pollard, William H., Jr., Oakland, Calif. Wall lighting fixture. 165,785, Jan. 29.

Polledo, José L. P., Habana, Cuba, assignor to Lilling Textile Co., Inc., New York, N. Y. Advertising attachment for television cabinets. 167,162, July 1.

Pond, Annie M., Douglaston, N. Y. Brooch or similar article. 166,633, Apr. 29.

Pond, Harold J., assignor to Advance Machine Company, Minneapolis, Minn. Floor polishing machine. 166,572, Apr. 22.

Poole, Lewis, Harriman, Tenn., assignor to Burlington Mills Corporation, Greensboro, N. C. Lady's stocking. 165,999, Feb. 19.

Popeil, Samuel J., Chicago, Ill. Bread box. 166,225, Mar. 18.

Portable Electric Tools, Inc., assignee: *See*—
Majewski, Eugene J.
McCabe, Joseph A.

Portable Light Company, Inc., The, assignee: *See*—
Steeber, Albert F.

Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Cabinet for television receiving set. 165,934, Feb. 12.

Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Television cabinet. 165,935, Feb. 12.

Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Cabinet for television receiving set. 166,047, Feb. 26.

Porter, Alfred T., Portsmouth, Va. Pull toy. 167,807, Sept. 23.

Porter-Cable Machine Company, assignee: *See*—
Emmons, Arthur N., and Muller-Munk.

Porter, Clyde A., assignor to National Brush Company, Aurora, Ill. Brush for kitchen utensils or the like. 167,950, Oct. 14.

Porter, Clyde A., assignor to National Brush Company, Aurora, Ill. Clothesbrush or the like. 167,951, Oct. 14.

Porter, Wayne R., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Cabinet. 167,770, Sept. 16.

Portong, Henry A., Manhasset, N. Y. Textile fabric. 166,635, Apr. 29.

Portong, Henry A., Manhasset, assignor to Everfast Fabrics, Inc., New York, N. Y. Textile fabric. 168,189, Nov. 11.

Post, Morris, assignee: *See*—
Rodier, Miriam.

Post and Sherman, assignee: *See*—
Rodier, Miriam.

Postillion, Victor V.: *See*—
Kolenda, Edward R., and Postillion.

Potchen, Joseph A., Grand Rapids, Mich. Tray. 166,356, Apr. 1.

Potchen, Joseph A., Grand Rapids, Mich. Handle for trays. 166,573, Apr. 22.

Potchen, Joseph A., Grand Rapids, Mich. Handle for trays. 166,574, Apr. 22.

Potts, Russell A., Wichita, Kans., assignor to Kansas City Products Company, Kansas City, Mo. Front for underwater goggles. 165,865, Feb. 5.

Poulin, Tiffany E., Winnemucca, Nev. Lamp shade. 168,120, Nov. 4.

Pouliot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 166,126, Mar. 11.

Powell, Katharine L., San Diego, Calif. Doll. 166,634, Apr. 29.

Powell, William M.: *See*—
Maye, Ernest A., and Powell.

Prall, Hazel H., assignee: *See*—
House, Thomas B.

Press, Fred, assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Multiple burner grill stand. 166,410, Apr. 8.

Prestinari, Eugen, Short Hills, assignor to Gemex Company, Union, N. J. End link for a wrist watch bracelet. 166,773, May 13.

Prestinari, Eugen, Short Hills, assignor to Gemex Company, Union, N. J. Expansible chain. 167,539, Aug. 19.

Presto Lighters Limited, assignee: *See*—
Pouliot, Paul.

Price Brothers, Inc., assignee: *See*—
Kasputis, Frank.
Morgan, Jack.

Price, Duane W., Los Angeles, Calif. Amusement game apparatus. 166,275, Mar. 25.

Price, Roy B., Cincinnati, Ohio. Awning. 167,717, Sept. 9.

Prime Mover Co., The, assignee: *See*—
Miller, Herchael W., and Andrews.

Prisland, Theodore, Hillside, assignor to The Celotex Corporation, Chicago, Ill. Acoustical unit. 166,636, Apr. 29.

Prisland, Theodore, Hillside, assignor to The Celotex Corporation, Chicago, Ill. Acoustic tile. 167,422, Aug. 5.

Propper, Leo, New York, N. Y. Hanger for stockings or the like. 168,474, Dec. 23.

Pugh, R. Glenn, assignee: *See*—
Gaither, Cicero C.

Pulliam, Dudley C., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Toaster. 167,908, Oct. 7.

Pulliam, Dudley C., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Ice-cream freezer. 168,316, Dec. 2.

Pullman-Standard Car Manufacturing Company, assignee: *See*—
Brown, Frank P., and Marshall.
Candlin, James E., Jr.
Girardy, Alfred B., Doman, and Meyers.
Haman, Ralph W., Girardy, and Doman.
Haman, Ralph W., Girardy, and Norby.
Jones, Basil E., and Norby.

Punszak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clockcase or similar article. 166,098, Mar. 4.

Punszak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 167,101, June 24.

Puro Co., Inc., The, assignee: *See*—
Saeks, Alvin L.

Quaker Lace Company, assignee: *See*—
Castorani, Francesco P.
Hooven, Howard D.
Otto, Ferdinand P.
Waldman, Thelma.
Wolf, William.

Quality Importers, Inc., assignee: *See*—
Kaufer, Arthur R.

RPM Manufacturing Company, assignee: *See*—
Morris, Curtis T., and Coners.

R. S. C. Co., assignee: *See*—
Shank, Clarence S.

Rabezzana, Hector, Fenton, Mich. Sewing machine. 166,575, Apr. 22.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 165,936, Feb. 12.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 166,712, May 6.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 166,713, May 6.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 167,952, Oct. 14.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 168,520, Dec. 30.

Rabkin, Leo, New York, N. Y. Combined wall plaque and pin-up lamp. 167,718, Sept. 9.

Raboli, Marie B., assignor of one-half to Mills Memorial Hospital, San Mateo, Calif. Hospital utility stand or similar article. 167,998, Oct. 21.

Rachel, Stanley, Huntington Park, Calif. Combined cigarette package holder, magnifying glass, and telescope or similar article. 168,121, Nov. 4.

Rachins, Edward, Brookline, Mass. Bottle or similar article. 166,995, June 10.

Rachins, Edward, Brookline, Mass. Bottle. 166,996, June 10.

Rachins, Edward, Brookline, Mass. Bottle. 166,997, June 10.

Rae-Gren, Incorporated, assignee: *See*—
Rae, Helene.

Rae, Helene, Winnetka, assignor to Rae-Gren, Incorporated, Chicago, Ill. Hat. 168,475, Dec. 23.

Rae, Helene, Winnetka, assignor to Rae-Gren, Incorporated, Chicago, Ill. Hat. 168,476, Dec. 23.

Rahn, Orval W., Chicago, Ill. Vehicle luggage rack lighting fixture. 166,411, Apr. 8.

Rambusch Decorating Company, assignee: *See*—
Huegel, Eduard R.

Ramer, Leonard: *See*—
Forman, Sol, and Ramer.

Rand, Alfred, White Plains, N. Y. Handbag frame. 165,607, Jan. 1.

Rand, Morris, New York, N. Y. Foldable sunglasses. 165,721, Jan. 22.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nulty, Portland, Maine, as trustees. Pack for fruit or similar articles. 166,492, Apr. 15.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland and W. B. Nulty, Portland, Maine, as trustees. Pack for fruit or similar articles. 166,493, Apr. 15.

Rasmussen, Neils L., assignee: *See*—
Rasmussen, Randall.

Rasmussen, Randall, Orem, assignor of one-sixth to W. J. Hirst, one-sixth to N. L. Rasmussen, Orem, one-sixth to L. M. Wolsey and one-sixth to S. F. Hirst, Provo, one-sixth to R. J. Wolsey, Springville, Utah. Television stand or similar article. 166,998, June 10.

Ratchford, Harry L., Muncie, Ind. Clothespin. 167,163, July 1.

Rathke, Clark E., Seattle, Wash. Combined milk cooler and stand. 165,866, Feb. 5.

Rauff, Benjamin H., Brooklyn, N. Y. Safety razor. 165,867, Feb. 5.

Raytheon Manufacturing Company, assignee: *See*—
Coran, Daniel W.
Munroe, Richard G.

Reader, David, New York, N. Y. Ten-sided die. 167,852, Sept. 30.

Reading, Robert J., Darien, Conn., assignor to O. E. M. Corporation. Refrigerator unit for an oxygen tent. 167,719, Sept. 9.

Reams, Theodore R., Kansas City, Mo. Arrow nock. 167,771, Sept. 16.

Reddi-Wip, Inc., assignee: *See*—
Lapin, Aaron S.

Redlin Productions, Inc., assignee: *See*—
Redlin, William A.

Redlin, William A., Encino, assignor to Redlin Productions, Inc., Los Angeles, Calif. Mask for disguise or the like. 165,868, Feb. 5.

Red Wing Potteries, Inc., The, assignee: *See*—
Kogan, Belle.

Reed and Barton, assignee: *See*—
Lafferty, William.

Reed, Bayard C., and E. Nudelman, Chicago, Ill. Diver toy. 167,540, Aug. 19.

Reed, Howard L., Shelby County, Ind., assignor to Chambers Corporation, Dial. 166,874, May 27.

Refrigeration Engineering, Inc., assignee: *See*—
Wile, Daniel D.

Regent Jack Mfg. Co., Inc., assignee: *See*—
Pearne, Frank S.

Regina Corporation, The, assignee: *See*—
Verhagen, Edward L.

Rehfeld, George W., Manhattan, Kans. Tobacco pipe. 167,230, July 8.

Rehfeld, George W., Manhattan, Kans. Tobacco pipe. 167,231, July 8.

Reichl, Hans, Seattle, Wash., assignor to E. K. Rogers, Oakland, Calif. Spoon. 167,541, Aug. 19.

Reichman, Harry A., Chicago, Ill. Automobile wind deflector. 166,494, Apr. 15.

Reichman, Harry A., Chicago, Ill. Combination vehicle hood ornament and deflector. 166,495, Apr. 15.

Reichman, Harry A., Chicago, Ill. Combination vehicle hood ornament and deflector. 166,496, Apr. 15.

Reilly, William J., Attleboro, Mass., assignor to Evans Case Co. Table lighter. 166,875, May 27.

Reinecke, Jean O., Oak Park, assignor to Bell & Howell Company, Chicago, Ill. Photographic camera case. 165,786, Jan. 29.

Reinecke, Jean O., Oak Park, assignor to The Heyer Corporation, Chicago, Ill. Hand operable printing device. 168,122, Nov. 4.

Reiner, Donald A., Minneapolis, assignor to Brown & Bigelow, St. Paul, Minn. Kitchen tongs. 165,869, Feb. 5.

Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. Child's boot. 167,164, July 1.

Reliance Molded Plastics, Inc., assignee: *See*—
Sofro, Louis J.

Remington Rand Inc., assignee: *See*—
Carissimi, Louis C.
Streng, Jan.

Renna, Michele, Los Angeles, Calif. Bar cabinet. 165,787, Jan. 29.

Republic Aviation Corporation, assignee: *See*—
Kartveli, Alexander.

Republic Steel Corporation, assignee: *See*—
Blazey, Lawrence E.
Blazey, Lawrence E., and Vignos.

Ressegger, Lloyd E.: *See*—
Allen, Grosvenor N., Fleming, and Ressegger.

Restagno, Vincent A., Watertown, Mass. Rotary brush to shine shoes or similar article. 167,909, Oct. 7.

Revell, Louis A., Los Angeles, Calif. Ash tray. 167,720, Sept. 9.

Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 165,608, Jan. 1.

Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile hood ornament. 167,372, July 29.

Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 167,373, July 29.

Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile grille bar. 167,588, Aug. 26.

Rhodes, Herbert E., San Diego, Calif. Baby walker. 168,275, Nov. 25.

Rhodes, Thomas L., Council Bluffs, Iowa. Screwdriver. 167,058, June 17.

Rich, James H., Penn-Wynne, Pa. Night lamp. 167,721, Sept. 9.

Rich, Paul C.: *See*—
Bell, Nola H., and Rich.

Richard, Frederick V., Chicago, Ill. Dual exhaust manifold. 167,165, July 1.

Richards, Gerald M., San Francisco, Calif. Freestanding fireplace. 167,059, June 17.

Richardson, William C., Los Angeles, assignor to Technical Porcelain and Chinaware Co., El Cerrito, Calif. Dinner plate or similar article. 168,371, Dec. 9.

Richford Corporation, assignee: *See*—
Roehrich, Paul E.

Richlite Manufacturing Company, assignee: *See*—
Kramer, Murray B.

Rickspoone, Ennis, New York, N. Y. Pendant cross. 167,275, July 15.

Rickspoone, Ennis, New York, N. Y. Pendant cross. 167,276, July 15.

Rickspoone, Ennis, New York, N. Y. Pendant. 168,276, Nov. 25.

Rideout, Alice C., administratrix: *See*—
Rideout, John G.

Rideout, John G., deceased, Chagrin Falls, Ohio, by A. C. Rideout, administratrix, assignor to The Buda Company, Harvey, Ill. Industrial truck. 167,999, Oct. 21.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co., Middletown, Ohio. Collapsible bottle carrier. 167,808, Sept. 23.

Rink, Robert M., assignor to The Goshen Manufacturing Company, Goshen, Ind. Portable lawn table. 166,048, Feb. 26.

Riordan, John A., Denver, Colo. Toy catapult. 166,714, May 6.

Rioux, Gene O., Noelville, Ontario, Canada. Container for cosmetics and the like. 167,374, July 29.

Rioux, Gene O., Noelville, Ontario, Canada. Container for cosmetics and the like. 167,375, July 29.

Risom, Jens, New Canaan, Conn., assignor to Jens Risom Design Inc., New York, N. Y. Armchair. 165,788, Jan. 29.

Risom, Jens, Design Inc., assignee: *See*—
Risom, Jens.

Ritter Company, Inc., assignee: *See*—
Bronk, Fay E., and Teague.

Robbins, Celia, New York, N. Y. Musical hairbrush or similar article. 165,789, Jan. 29.

Robbins & Myers, Inc., assignee: *See*—
Zimmer, George H., Jr.

Roberts, Bernard, assignee: *See*—
Jacobs, Arthur F.

Roberts, Joan, of California, assignee: *See*—
Fuhr, Mason W., and Salazar.

Roberts, Mamie, North Little Rock, Ark. Carrying tray for equipment for making blood tests. 168,277, Nov. 25.

Robertson, William M., assignee: *See*—
Miller, William J., Jr.
Robey, Floyd M., Indianapolis, Ind. Kite. 166,637, Apr. 29.
Robins, Seymour, New York, N. Y. Three-dimensional decorative greeting card. 166,876, May 27.
Robinson, Harry, assignor to Robinson-Lloyds Ltd., New York, N. Y. Bottle stopper. 168,190, Nov. 11.
Robinson-Lloyds Ltd., assignee: *See*—
Robinson, Harry.
Robinson, William E., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle trim louver or similar article. 165,790, Jan. 29.
Robra, Walter R., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 168,372, Dec. 9.
Robra, Walter R., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 168,373, Dec. 9.
Rockford Textile Mills, Inc., assignee: *See*—
Bodorff, John H.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Cabinet for a phonograph remote-control unit. 167,953, Oct. 14.
Rock-Ola Manufacturing Corporation, assignee: *See*—
Rockola, David C.
Rockriver, Clyde R., Los Angeles, Calif. Combination self-service dispenser and storage for edibles. 168,421, Dec. 16.
Rockwell, Eileen A., assignor to The La Resista Corset Company, Bridgeport, Conn. Lady's foundation undergarment. 165,698, Jan. 15.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Societe Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France. Barometer support or similar article. 167,318, July 22.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Societe Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, Seine, France. Clock. 168,521, Dec. 30.
Rodier, Miriam, assignor to Jack Sherman and Morris Post, doing business as Post and Sherman, New York, N. Y. Plastic table mat. 165,722, Jan. 22.
Rodier, Robert F., New York, N. Y. Mixing bowl. 167,166, July 1.
Rodman, Clarence J., Alliance, Ohio. Lavatory. 166,576, Apr. 22.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,665, Jan. 8.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,870, Feb. 5.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 166,699, Mar. 4.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 166,823, May 20.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 166,877, May 27.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 166,999, June 10.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,060, June 17.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,232, July 8.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,319, July 22.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Link chain for a bracelet or the like. 167,320, July 22.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,542, Aug. 19.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,853, Sept. 30.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,954, Oct. 14.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,955, Oct. 14.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,123, Nov. 4.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,124, Nov. 4.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,240, Nov. 18.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,278, Nov. 25.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,374, Dec. 9.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,477, Dec. 23.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,478, Dec. 23.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,479, Dec. 23.
Roeder, Delmar M., Washington, D. C. Watch holding rack. 167,656, Sept. 2.
Roehrich, Paul E., Rockville Centre, assignor to Richford Corporation, New York, N. Y. Dispensing container for fluid. 166,497, Apr. 15.
Rogers, E. Kenneth, assignee: *See*—
Reichl, Hans.
Rogers, Floyd E., New Westminster, British Columbia, Canada. Receptacle for ashes, eggs, pins, and the like. 167,000, June 10.
Rohlfing, Christian H., St. Charles, Mo. Portable communion set case. 168,070, Oct. 28.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Bridge for ophthalmic mountings. 167,657, Sept. 2.
Roller, Donald C., Detroit, Mich. Magnetic cigarette holder. 166,924, June 3.
Ronzoni, Angelo, Great Neck, assignor to Ronzoni Macaroni Co. Inc., Long Island City, N. Y. Macaroni. 167,956, Oct. 14.
Ronzoni Macaroni Co. Inc., assignee: *See*—
Ronzoni, Angelo.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Pair of food tongs or similar article. 166,100, Mar. 4.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Dustpan. 166,226, Mar. 18.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Cake receptacle or similar article. 166,498, Apr. 15.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Flower pot or similar article. 166,925, June 3.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Fly swatter or similar article. 167,658, Sept. 2.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Napkin holder or similar article. 167,809, Sept. 23.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Napkin holder or similar article. 167,810, Sept. 23.
Rose, Henry, New York, N. Y. Fabric. 165,791, Jan. 29.
Rose, Henry, New York, N. Y. Textile fabric. 166,878, May 27.
Rose, Henry, New York, N. Y. Textile fabric. 166,879, May 27.
Rose, Henry, New York, N. Y. Textile fabric. 166,926, June 3.
Rose, Henry, New York, N. Y. Textile fabric. 167,102, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,103, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,104, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,105, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,106, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,107, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,108, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,109, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,110, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,111, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,112, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,113, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,114, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,115, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,116, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,167, July 1.
Rose, Henry, New York, N. Y. Textile fabric. 167,168, July 1.
Rose, Henry, New York, N. Y. Textile fabric. 167,169, July 1.
Rose, Henry, New York, N. Y. Textile fabric. 167,170, July 1.
Rose, Henry, New York, N. Y. Textile fabric. 167,171, July 1.
Rose, Henry, New York, N. Y. Textile fabric. 167,172, July 1.
Rose, Henry, New York, N. Y. Textile fabric. 167,173, July 1.

Rose, Henry, New York, N. Y. Textile fabric. 167,277, July 15.
Rose, Henry, New York, N. Y. Textile fabric. 167,278, July 15.
Rose, Henry, New York, N. Y. Textile fabric. 167,279, July 15.
Rose, Henry, New York, N. Y. Textile fabric. 167,280, July 15.
Rose, Henry, New York, N. Y. Textile fabric. 167,376, July 29.
Rose, Henry, New York, N. Y. Textile fabric. 167,772, Sept. 16.
Rose, Henry, New York, N. Y. Textile fabric. 167,854, Sept. 30.
Rose, Henry, New York, N. Y. Textile fabric. 167,855, Sept. 30.
Rose, Henry, New York, N. Y. Textile fabric. 167,856, Sept. 30.
Rose, Henry, New York, N. Y. Textile fabric. 168,422 Dec. 16.
Rose Hill Cemetery Co., The, assignee: *See*—
Lasher, Richard J.
Rosen, Fillmore C., Elkins Park, Pa. Stocking. 166,101, Mar. 4.
Rosen, Fillmore C., Elkins Park, Pa. Stocking. 166,412, Apr. 8.
Rosen, Fillmore C., Elkins Park, Pa. Stocking. 166,413, Apr. 8.
Rosen, Fillmore C., Elkins Park, Pa. Stocking. 166,414, Apr. 8
Rosen, Fillmore K., West Hempstead, N. Y. Lady's stocking. 167,001, June 10.
Rosenbaum, Harry S., assignor to The Eastern Venetian Blind Company, Baltimore, Md. Drapery traverse rod. 165,937, Feb. 12.
Rosenberg, Edwin C., Milwaukee, Wis. Manually set portable register. 168,000, Oct. 21.
Rosenberg, Jack, North Hollywood, Calif. Advertising display device for attachment to parking meters. 167,174, July 1.
Rosenfeld, Anton M., New York, N. Y. Multicompartmented box. 165,666, Jan. 8.
Rosenfeld, Harry, Inc., assignee: *See*—
Graber, Milton S.
Rosenthal, Ralph W., Jr., assignor to The Toledo Metal Bed Slat Company, Toledo, Ohio. Bed spring support. 167,722, Sept. 9.
Rosini, Carl, Flushing, N. Y. Toy siren or the like. 167,482, Aug. 12.
Ross, Timothy T., Cleveland, Ohio. Wall ornament. 168,375, Dec. 9.
Roth, Chester H., Co., Inc., assignee: *See*—
Stoller, Rudolf.
Roth, Irving, New York, N. Y. Dress. 165,871, Feb. 5.
Rothenstein, Guy G., Jamaica, N. Y. Lavatory and cabinet unit. 168,317, Dec. 2.
Rothman, Abe, New York, N. Y. Handbag. 168,376, Dec. 9.
Rothstein, Isidore, Bronx, assignor to K. Jacobson, New York, N. Y. Sewing chest. 166,127, Mar. 11.
Roumm, Milton P., J. W. Gehring, and J. G. Chapman, Seattle, Wash. Pin. 166,415, Apr. 8.
Roumm, Milton P., J. W. Gehring, and J. G. Chapman, Seattle, Wash. Pin. 166,416, Apr. 8.
Rowser, Earl C., Detroit, and E. M. Apple, Grosse Pointe Woods, Mich. Fountain brush. 166,128, Mar. 11.
Roy, Milton, Company, assignee: *See*—
Saalfrank, Royal B., and Fell.
Royal China Inc., assignee: *See*—
Miller, Beatrice L., and Parker.
Royce, Sherry, New York, N. Y. Panties or similar article. 165,872, Feb. 5.
Rubaloff, Sidney S., Los Angeles, Calif. Check stand. 167,423, Aug. 5.
Rubaloff, Sidney S., Los Angeles, Calif. Check stand. 167,424, Aug. 5.
Rubaloff, Sidney S., Los Angeles, Calif. Counter. 167,773, Sept. 16.
Rubel & Company Decorative Accessories, Inc., assignee: *See*—
Press, Fred.
Rubenstein, David, San Diego, Calif. Precast concrete building frame member. 166,129, Mar. 11.
Rubin, J. M., & Sons, assignee: *See*—
Rubin, Louis.
Rubin, Louis, assignor to J. M. Rubin & Sons, Gloversville, N. Y. Glove. 166,417, Apr. 8.
Rubin, Noah, assignor to National Plastic Corp., New York, N. Y. China stand. 166,102, Mar. 4.
Ruebel, Joseph B.: *See*—
Reinhart, John B., Jr., and Ruebel.
Rudd, George, assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 165,873, Feb. 5.
Rudin, Louis E., Chicago, and R. S. Schwartz, Glencoe, Ill., assignors to Spiegel, Inc. Chair. 166,049, Feb. 26.
Rumpel, Myrle J., Hayward, Calif. Hem gauge. 167,543, Aug. 19.
Runcie, Walter O., Lima, Peru. Relooping needle. 167,233, July 8.
Rundell, Wesley A., Louisville, Ky. Chest of drawers. 168,377, Dec. 9.
Ruppe, Peter P., Grosse Pointe Woods, Mich. Combined knife and saw. 166,880, May 27.
Ruser, William, Beverly Hills, Calif. Spoon. 168,522, Dec. 30.
Russell, Allan M., Shaker Heights, Ohio. Oxygen mask. 167,857, Sept. 30.
Russell, Allan M., Shaker Heights, Ohio. Oxygen mask. 167,858, Sept. 30.
Russell, Edward P., assignor to Inter-State Engineering Corporation, El Segundo, Calif. Vacuum cleaner casing. 167,002, June 10.
Russell, Edward P., assignor to Inter-State Engineering Corporation, El Segundo, Calif. Vacuum cleaner casing. 167,003, June 10.
Russell, George F., Sherman Oaks, assignor to R. Schwartz, Jr., and W. H. Gottschalk, a co-partnership, doing business as Falcon Plastic Products Mfg. Co., Culver City, Calif. Wall switch actuator. 166,881, May 27.
Russell, Linus E., Springfield, Ohio. Exhaust deflector. 165,874, Feb. 5.
Russell, William J., assignor to Landers, Frary & Clark, New Britain, Conn. Coffee server. 166,774, May 13.
Russo, Graziano, Detroit, Mich. China rack. 167,483, Aug. 12.
Rutan, Earl F., Pound Ridge, N. Y., assignor to The Mosler Safe Company, Hamilton, Ohio. Combination handle and lock unit. 166,499, Apr. 15.
Ruth, Joseph P., Denver, Colo. Miniature train. 167,589, Aug. 26.
Ruyle, Karl H., Manitou Springs, Colo. Game board for use with marbles. 168,071, Oct. 28.
Ryan, Milo, Seattle, Wash. Doll or the like. 167,175, July 1.
Ryan, Robert S., assignor to Chamber of Commerce of Montgomery, Montgomery, Ala. Flag. 167,859, Sept. 30.
Saalfrank, Royal B., Gulfport, Fla., and A. D. Fell, Jr., Hatboro, assignors to Milton Roy Company, Philadelphia, Pa. Fluid proportioning pump. 166,000, Feb. 19.
Sablotny, William, Decatur, Ill. Electric lamp with double-faced mirror frame. 165,609, Jan. 1.
Saccone, John V., Lodi, N. J., assignor to Swiss Watch Dial Co., Inc., New York, N. Y. Bracelet or the like. 167,425, Aug. 5.
Saccone, John V., Lodi, N. J., assignor to Swiss Watch Dial Co., Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,484, Aug. 12.
Sachs, Albert, Chicago, Ill. Gateleg table base. 166,227, Mar. 18.
Sachs, Albert, Chicago, Ill. Stool. 168,001, Oct. 21.
Sacks, Alvin L., Clayton, assignor to The Puro Co., Inc., St. Louis, Mo. Moth-repellent container or the like. 166,927, June 3.
Saginaw Furniture Shops, Inc., assignee: *See*—
Gaines, Harry B.
Saller, Paul G., Jeannette, Pa. Glass dish. 166,001, Feb. 19.
St. Thomas Inc., assignee: *See*—
St. Thomas, William H.
St. Thomas, William H., assignor to St. Thomas Inc., Gloversville, N. Y. Sock purse. 166,579, Apr. 22.
St. Thomas, William H., assignor to St. Thomas Inc., Gloversville, N. Y. Coin purse. 166,777, May 13.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. 165,875, Feb. 5.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Cup. 165,876, Feb. 5.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. 167,281, July 15.
Saksa, Mary C., St. Louis, Mo. Page marking clip. 168,191, Nov. 11.
Salazar, Gladys T.: *See*—
Fuhr, Mason W., and Salazar.
Salgo, Emery, and F. M. Drake, Reno, Nev. Portable merry-go-round. 167,860, Sept. 30.
Salmon, Berle B., Montreal, assignor to E. J. Clark, Westmont, Quebec, Canada. Combined bank and picture frame. 166,228, Mar. 18.
Salmon, Berle B., Montreal, Quebec, assignor to E. J. Clark, Westmont, Quebec, Canada. Combined bank and picture frame. 167,117, June 24.
Saltzman, Morris, New York, N. Y. Holder for playing cards or the like. 166,775, May 13.
Salvador, Lino, East Hempstead, N. Y. Combined flower stand and flower pot. 166,276, Mar. 25.
Samson Hosiery Mills, Inc., assignee: *See*—
Livingston, Cyril W.
Samuel Stamping & Enameling Company, assignee: *See*—
Solomon, Ralph E., Shelton, and Agee.
Sandberg, Harry O., Boston, Mass. Food washing and storing container or similar article. 165,610, Jan. 1.
Sanders, Lee R., Oklahoma City, Okla. Necktie. 167,377, July 29.
Sandholm, Oscar N., Denver, Colo. Massager. 166,050, Feb. 26.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator cabinet. 166,715, May 6.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator cabinet. 166,716, May 6.
Sandkuhle, Raymond C., San Jose, Calif. Planter or similar article. 166,418, Apr. 8.

Sandkuhle, Raymond C., San Jose, Calif. Planter or similar article. 166,419, Apr. 8.
Sandler, Jacob, Boston, Mass. Shoe or similar article. 166,824, May 20.
Sandler, Jacob, Boston, Mass. Shoe or similar article. 166,825, May 20.
Sandler, Quentin H., Miami Beach, assignor to Sherry Fashions, Inc., Miami, Fla. Scarf. 167,590, Aug. 26.
Sandler, William B., Newton, Mass. Exhaust extension for automobiles. 167,485, Aug. 12.
Sanson Hosiery Mills, Inc., assignee: *See*—
Sanson, Stanton D.
Livingston, Cyril W.
Sanson, Stanton D., Elkins Park, assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 167,004, June 10.
Sarna, Sajjan S., New York, N. Y. Bell. 166,928, June 3.
Sarna, Sajjan S., New York, N. Y. Bell. 166,929, June 3.
Sarna, Sajjan S., New York, N. Y. Bell. 166,930, June 3.
Sarna, Sajjan S., New York, N. Y. Christmas bell unit. 166,931, June 3.
Sarna, Sajjan S., New York, N. Y. Combined bell and bottle cap remover. 167,005, June 10.
Sarna, Sajjan S., New York, N. Y. Bell. 167,282, July 15.
Sarna, Sajjan S., New York, N. Y. Combined bell and bottle cap remover. 167,861, Sept. 30.
Sauer, Lloyd A., Milwaukee, Wis. Advertising display standard. 168,125, Nov. 4.
Savage, Robert E., Winnetka, Ill. Chocolate tempering mill unit. 166,103, Mar. 4.
Saville, John, assignor to Saville Perfumery Limited, Watford, England. Box for a perfume bottle or similar article. 166,130, Mar. 11.
Saville Perfumery Limited, assignee: *See*—
Saville, John.
Saviolidis, George P., New York, N. Y. Garment hanger. 168,378, Dec. 9.
Savitz, Sol, Philadelphia, Pa. Stocking. 168,072, Oct. 28.
Scace, Steven E., Cicero, Ill., assignor to Speedway Manufacturing Company. Rubbing machine. 165,877, Feb. 5.
Scalamandré, Gino, Jamaica, N. Y. Textile fabric or similar article. 166,717, May 6.
Scammel China Company, assignee: *See*—
Dragonetti, Anthony L.
Scanland, Joseph E., assignor to New Monarch Machine & Stamping Company, Des Moines, Iowa. Child's vehicle. 167,659, Sept. 2.
Scanland, Joseph E., assignor to New Monarch Machine and Stamping Co., Des Moines, Iowa. Christmas tree holder. 168,379, Dec. 9.
Schaefer, Anthony H., St. Louis, Mo. Bench. 167,811, Sept. 23.
Schaefer, Edward E., Oak Park, Ill. Cornice. 167,176, July 1.
Schaffer, Harriet, assignee: *See*—
Chipman, Richmond L., Jr.
Schaffer, Milton, assignee: *See*—
Chipman, Richmond L., Jr.
Schaper, William H., Robinsdale, Minn. Separable toy figure for a construction game or the like. 167,006, June 10.
Schaunder, Allan, assignee: *See*—
Chipman, Richmond L., Jr.
Schaunder, Ruth, assignee: *See*—
Chipman, Richmond L., Jr.
Schenley Industries, Inc., assignee: *See*—
Du Pree, Ernest.
Goldstein, Daniel.
Scher, Daniel, Brooklyn, N. Y., assignor to Decorative Textiles, Inc., Pawtucket, R. I. Textile fabric. 167,812, Sept. 23.
Schiffer, Samuel S., New York, N. Y. Rack. 168,423, Dec. 16.
Schildkraut, Helene, Hewlett, N. Y. Sewing kit. 168,318, Dec. 2.
Schippert, Florence J., Philadelphia, Pa. Toy dog. 168,126, Nov. 4.
Schladermundt, Peter, Bronxville, and W. H. Donnerlein, Whitestone, N. Y., assignors to The Gillette Company, Boston, Mass. Counter display case. 167,862, Sept. 30.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Casing for a door closer. 166,882, May 27.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Casing for a door closer. 166,883, May 27.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Casing for a door closer. 166,884, May 27.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Door closer. 167,177, July 1.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Door closer. 167,283, July 15.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Door closer. 167,284, July 15.
Schlage Lock Company, assignee: *See*—
Levinger, Benjamin M.
Schlage, Ernest L.
Schlegel, Herold M., Ann Arbor, Mich. Light chamber housing for a photographic slide projector. 167,426, Aug. 5.
Schlegel, Herold M., Ann Arbor, Mich. Photographic slide projector. 167,427, Aug. 5.
Schlenker, Max E., Peru, Ill., assignor to General Time Corporation, New York, N. Y. Clock. 167,486, Aug. 12.
Schletter, Oscar E., Lansdale, Pa. Lady's stocking. 167,813, Sept. 23.
Schletter, Richard E., assignee: *See*—
Mueller, Walter.
Schletter, Richard E., Cheltenham Township, Montgomery County, Pa. Lady's stocking. 166,104, Mar. 4.
Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Lady's stocking. 166,885, May 27.
Schletter, Richard E., Cheltenham Township, Montgomery County, Pa. Lady's stocking. 167,321, July 22.
Schletter, Richard E., Cheltenham Township, Montgomery County, Pa. Lady's stocking. 167,322, July 22.
Schletter, Richard E., Cheltenham Township, Montgomery County, Pa. Lady's stocking. 167,323, July 22.
Schletter, Richard E., Oak Lane, Pa. Stocking. 167,774, Sept. 16.
Schlosberg, Harold, New York, N. Y. Slipper or similar article. 167,487, Aug. 12.
Schluttig, Pearl L., Washington, D. C. Cosmetic container unit. 166,420, Apr. 8.
Schluttig, Pearl L., Washington, D. C. Melting pot for cosmetic pomade. 166,827, May 20.
Schmid, Byron C., Washington, D. C. Racket for table tennis. 168,192, Nov. 11.
Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Strainer for a surface drain. 167,285, July 15.
Schmidke, Irvin E.: *See*—
Burnett, Frank R., Schmidke, and Pelletier.
Schmidt, Andrew A., Los Angeles, Calif. Paint brush. 167,775, Sept. 16.
Schmidt, Rudolf A., Flushing, N. Y. Display container. 167,544, Aug. 19.
Schmitt, Walter H.: *See*—
Schmitt, Walter W. and W. H.
Schmitt, Walter W. and W. H., Grosse Pointe, Mich. Transportable fire fighting unit. 166,105, Mar. 4.
Schnall, Murray: *See*—
Murphy, Joseph E., and Schnall.
Schneeloch, Paul, Brooklyn, N. Y. Glass dish. 165,723, Jan. 22.
Schneider, John M., Miami, Fla. Stocking. 165,938, Feb. 12.
Schneider, John M., Miami, Fla. Stocking. 165,939, Feb. 12.
Schnitzer, Louis M., Brooklyn, N. Y., assignor to Everlast Metal Products Corp. Serving tray. 166,826, May 20.
Schoenfeld, Joseph, Santa Barbara, Calif. Carving aid fork. 168,127, Nov. 4.
Schottland, Archibald H., Butler, Pa. Grilled glass panel. 165,878, Feb. 5.
Schrade, George, Knife Company, Inc., assignee: *See*—
Schrade, Theodore G.
Schrade, Theodore G., Nichols, assignor to George Schrade Knife Company, Inc., Bridgeport, Conn. Hunting knife sheath. 167,591, Aug. 26.
Schrager, Milton M., Far Rockaway, N. Y. Novelty bracelet or similar article. 166,718, May 6.
Schrager, Milton M., Far Rockaway, N. Y. Christmas ornament. 167,660, Sept. 2.
Schreckengost, Viktor, Cleveland, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture. 167,863, Sept. 30.
Schreckengost, Viktor, Cleveland, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture bowl. 167,864, Sept. 30.
Schueren, Arnold C., assignor to Vaughan Company, Chicago, Ill. Electric meat, fish, and bone cutter. 165,699, Jan. 15.
Schuler, Fred D., Cleveland, Ohio. Wall shelf. 168,279, Nov. 25.
Schults, Verner: *See*—
Baumann, Charles F., and Schultz.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Pair of spectacles or the like. 168,381, Dec. 9.
Schumacher, Elmer L., and A. De Angelis, assignors to American Optical Company, Southbridge, Mass. Pair of spectacles or the like. 168,380, Dec. 9.
Schümann, Hans M., deceased, Philadelphia, Pa.; J. M. Petts, executrix. Figurine. 168,193, Nov. 11.
Schumann, Joseph M., Inglewood, Calif. Automobile safety door lock. 168,424, Dec. 16.
Schumann, Joseph M., Inglewood, Calif. Automobile safety door lock. 168,425, Dec. 16.
Schwartz, Albert, assignor to Globe Rubber Products Corporation, Philadelphia, Pa. Vehicle splash guard. 167,061, June 17.
Schwartz, Gertrude, Chicago, Ill. Baby bunting. 165,700, Jan. 15.
Schwartz, Grace B., Los Angeles, Calif. Film viewer. 168,319, Dec. 2.
Schwartz, Herman, Long Island City, N. Y. Sandwich toaster. 165,611, Jan. 1.
Schwartz, Michel, New York, N. Y. Candy box. 167,488, Aug. 12.
Schwartz, Michel, New York, N. Y. Ornamental candy box. 167,592, Aug. 26.
Schwartz, Nathan W., Bronx, N. Y. Bottle. 166,229, Mar. 18.

Schwartz, Richard S.: *See*—
Rudin, Louis E., and Schwartz.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,792, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,793, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,794, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,795, Jan. 29.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 165,796, Jan. 29.
Schwarz, Eugene, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Base for table lamps. 166,932, June 3.
Schwarz, Eugene, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Base for table lamps. 167,814, Sept. 23.
Schwarz, Eugene, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Base for table lamps. 167,815, Sept. 23.
Schwarz, Eugene, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Base for table lamps. 167,865, Sept. 30.
Schwarz, Eugene, Alexandria, Ind. Standard for floor lamps. 168,280, Nov. 25.
Schwarz, Robert, Jr., assignee: *See*—
Russell, George F.
Scott Aviation Corporation, assignee: *See*—
Benzel, Howard A.
Scott, Charles A., assignor to Carla Hosiery Co., Philadelphia, Pa. Stocking. 168,073, Oct. 28.
Scott, David E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile bumper. 167,428, Aug. 5.
Scott, George F., St. Petersburg, Fla. Bandalore toy. 167,723, Sept. 9.
Scoville Manufacturing Company, assignee: *See*—
Spender, Donald L.
Williams, Selden T.
Sears, Roebuck and Co., assignee: *See*—
Bjorncrantz, Carl G.
Hitchcock, Richard E.
Huth, George A.
Seay, Ollie A., assignor to California Underwear Company, Inc., Dallas, Tex. Stocking. 166,828, May 20.
SeBastian, Ford, assignor to The Exhibit Supply Co., Chicago, Ill. Phonograph record vendor. 167,866, Sept. 30.
Secofsky, Abraham, and M. A. Meisel, Brooklyn, and A. Zalman, Kew Gardens Hills, N. Y. Combined camera support and floodlight lamp holder. 166,933, June 3.
Secter, Leba C., Winnipeg, Manitoba, Canada. Puppet doll. 166,051, Feb. 26.
Sedberry, Thomas D., and A. F. Davis, Shreveport, La. Ventilator head for gas pipe lines or the like. 167,867, Sept. 30.
Seeger Refrigerator Company, assignee: *See*—
Ferar, Montgomery.
See-Qual Package Corp., assignee: *See*—
Murphy, Joseph E., and Schnall.
Sefiin, Arthur H., Los Angeles, Calif. Dish or similar article. 166,277, Mar. 25.
Selikoff, William, and W. B. McBride, assignors to Meteor Manufacturing Corp., Buffalo, N. Y. Combined case and wrench set unit. 167,868, Sept. 30.
Sell, Stanley, Stroudsburg, Pa., assignor to Holiday Hosiery Corp., New York, N. Y. Stocking. 166,131, Mar. 11.
Selmer, H. & A., Inc., assignee: *See*—
Flood, Bernard J., and Welshenbach.
Senior, George W., Ephrata, assignor to Millway Knitting Mill, Inc., Millway, Pa. Stocking. 166,638, Apr. 29.
Senior, George W., Ephrata, assignor to Millway Knitting Mill, Inc., Millway, Pa. Stocking. 166,639, Apr. 29.
Serlin, Harold E., assignor to Crown Glass Corp., Chicago, Ill. Wine or liquor bottle. 167,286, July 15.
Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 166,002, Feb. 19.
Servel, Inc., assignee: *See*—
Dailey, Donald E.
Dailey, Donald, and Dushek.
Setzer, David H., assignor to Waldensian Hosiery Mills, Incorporated, Valdese, N. C. Lady's stocking. 168,194, Nov. 11.
Severin, Gordon H., Oklahoma City, Okla. Dispenser for slender articles. 166,357, Apr. 1.
Sewell Products Inc., assignee: *See*—
Sewell, William B.
Sewell, William B., assignor to Sewell Products Inc., Los Angeles, Calif. Toy gun. 167,429, Aug. 5.
Shaeffer, Norbert, assignor to Hollywood Accessories, Incorporated, Los Angeles, Calif. Automobile dash tray. 168,480, Dec. 23.
Shain, Nathan, Brooklyn, N. Y. Hanukkah Menorah. 166,358, Apr. 1.
Shalom, Nessim, Brooklyn, N. Y. Tablecloth or similar article. 166,500, Apr. 15.
Shalom, Nessim, Brooklyn, N. Y. Tablecloth or similar article. 166,501, Apr. 15.
Shalom, Nessim, Brooklyn, N. Y. Tablecloth or similar article. 166,502, Apr. 15.
Shanahan, Maurice L., Los Angeles, Calif. Merchandise display case. 165,797, Jan. 29.
Shanahan, Maurice L., Los Angeles, Calif. Combined packing and display case for lipsticks. 168,320, Dec. 2.
Shank, Clarence S., Saginaw, Mich., assignor to R. S. C. Co., Wooster, Ohio. Dairy bar. 167,378, July 29.
Shaw, Rinda, Chicago, Ill. Pie dough cutter. 167,118, June 24.
Shaw-Walker Company, The, assignee: *See*—
Burdick, John S.
Sheets, Whilman G., Bellmead, Tex. Automobile serving tray. 165,667, Jan. 8.
Sheinfeld, Irving, and H. Garber, Atlantic City, N. J. Saddle hassock. 167,178, July 1.
Shelton, Roy: *See*—
Solomon, Ralph E., Shelton, and Agee.
Shepard, Ernest L., Fairfield, assignor to Keyes Fibre Company, Portland, Maine. Packing article for fragile materials. 166,886, May 27.
Shephard, Harry B., San Francisco, Calif., assignor to Akwel Corporation. Chair. 167,593, Aug. 26.
Sheppard, Elwood H., Bellvue, Colo. Display figure. 165,668, Jan. 8.
Sherman, Jack, assignee: *See*—
Rodier, Miriam.
Sherman, Rallston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Portable heater and blower unit. 166,359, Apr. 1.
Sherman, Ralph A., Jr., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Hand control for dictating machines. 167,594, Aug. 26.
Sherman, Richard D., Maynard, Mass. Kitchen wall cabinet. 167,724, Sept. 9.
Sherman, Walter J., Muscatine, Iowa. Meat cooking pan. 166,829, May 20.
Sherry Fashions, Inc., assignee: *See*—
Sandler, Quentin H.
Shewell, George F., assignor to Hedwin Corporation, Baltimore, Md. Embossed plastic table mat. 165,879, Feb. 5.
Shilin, Abe, New York, N. Y., and H. Denworth, Mount Holly, N. J., assignors to Holly Mills, Inc. Display cabinet or similar article. 165,798, Jan. 29.
Shinn, Charles C., Greenbelt, Md. Table. 166,360, Apr. 1.
Shinn, Charles C., Greenbelt, Md., assignor of one-fourth to M. D. Pillars, Washington, D. C. Reversible table base or similar article. 166,830, May 20.
Shipmon, Mary, Pittsburgh, Pa. Dress. 168,321, Dec. 2.
Shoff, Russell M., Hudson Falls, N. Y. Game board. 167,869, Sept. 30.
Shoffner, Willie M., Dayton, Ohio. Angle head metal-cutting shears. 166,230, Mar. 18.
Shott, Allen T., Cincinnati, Ohio. Ironer stand. 167,119, June 24.
Shuler, Clyde, Media, and C. J. Godfrey, assignors to Fox Products Company, Philadelphia, Pa. Protective housing for encased meters. 168,481, Dec. 23.
Shuman, Norman, Brooklyn, N. Y. Pin. 165,612, Jan. 1.
Shuron Optical Company, Inc., assignee: *See*—
McCarthy, James F.
Rohrbach, John J.
Shwayder Brothers, assignee: *See*—
Wright, Russel.
Shwayder Brothers, Inc., assignee: *See*—
Axtell, Willard G.
Siegel, George, Newark, N. J. Box. 166,132, Mar. 11.
Siegel, Jacob, San Francisco, Calif. Wine display unit. 166,361, Apr. 1.
Siegel, Nathan S., Minneapolis, Minn. Combined container and children's apparel display. 168,426, Dec. 16.
Sievert, Russell E., North Hollywood, Calif. Skillet clock. 166,133, Mar. 11.
Signature Hosiery Company, assignee: *See*—
Schletter, Richard E.
Sigoda, Merton A., Brooklyn, assignor to Man-Sew Corporation, New York, N. Y. Casing for strip material feeder for attachment to sewing machines or the like. 165,880, Feb. 5.
Silberberg, Larry, New York, N. Y. Chenille textile fabric. 166,134, Mar. 11.
Silberman Fur Corporation, assignee: *See*—
Dannenberg, Milton A.
Silent Glow Oil Burner Corporation, The, assignee: *See*—
Sherman, Rallston M.
Silver, Myer S., Brookline, Mass. Slipper. 166,278, Mar. 25.
Simmons, Aldred J.: *See*—
Bloom, Wallace M., and Simmons.
Simmons, Luella A., Los Angeles, Calif. Compartmented arm chair. 167,595, Aug. 26.
Simon, Henriette, Croton on Hudson, N. Y. Tubular stripping shoe or the like. 166,106, Mar. 4.
Simpson, Jack L., Jacksonville, Fla. Welding rod holder. 168,427, Dec. 16.
Simpson, Paul F., assignor to The Autoyre Company, Oakville, Conn. Suction cup soap dish. 167,234, July 8.
Simpson, Thomas H., assignor to Munising Wood Products Co., Inc., Chicago, Ill. Serving tray. 167,957, Oct. 14.

Simpson, Wm., Sons & Co., Inc., assignee: *See*—
Cuddy, Walter R.
Sinko Mfg. & Tool Co., assignee: *See*—
Andrews, Nickolas P.
Miller, Henry L.
Sinks, Frank L., assignor to The Ohio Match Company, Wadsworth, Ohio. Matchbox. 166,640, Apr. 29.
Sittason, Charles M., assignor to The Andrew Jergens Company, Cincinnati, Ohio. Bottle. 168,523, Dec. 30.
Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Electric corn popper. 165,881, Feb. 5.
Skarin, Arthur V.: *See*—
Parent, McKenzie H., and Skarin.
Skelly, Harry L., and E. Freedman, Reno, Nev. Casing for an amusement game. 166,503, Apr. 15.
Skycraft Mfg. Corp., assignee: *See*—
Calhoun, Jack A.
Slade, Herbert V., Swindon, England, assignor to The Garrard Engineering and Manufacturing Company Limited. Pickup arm for phonograph. 168,002, Oct. 21.
Slater, Sam, San Francisco, Calif. Jacket. 168,128, Nov. 4.
Slingerland, John H., Wheaton, assignor to Central Steel and Wire Company, Chicago, Ill. Decimal chart or similar article. 166,504, Apr. 15.
Sloan, Laurence W., Sr., Montebello, and C. J. Bonk, Los Angeles, Calif. Hat and clothes rack. 168,382, Dec. 9.
Slobodkin, Simon H., New York, N. Y., assignor to Canonsburg Pottery Company, Canonsburg, Pa. Combined butter dish and cover. 166,421, Apr. 8.
Slobodkin, Simon H., New York, N. Y., assignor to Canonsburg Pottery Company, Canonsburg, Pa. Dinner plate. 166,934, June 3.
Sly, Leslie W.: *See*—
Fisher, Herman G., Doe, and Sly.
Sly, Leslie W., H. G. Fisher, R. W. Crawford, and W. P. Doe, assignors to Fisher-Price Toys, Inc., East Aurora, N. Y. Toy fire truck. 166,003, Feb. 19.
Smey, Justine, Great Neck, N. Y. Portable cooking and accessory unit for educational demonstration. 166,577, Apr. 22.
Smilie, Spencer W., Los Angeles, Calif. Bookcase. 165,940, Feb. 12.
Smith, Arthur P., assignee: *See*—
Monkres, Omey M.
Smith, Arthur V., assignee: *See*—
Barr, George.
Smith, Charles C., Bluefield, Va. Stein. 167,545, Aug. 19.
Smith, Edwin W., Dallas, Tex. Hydraulic pocket slasher. 166,505, Apr. 15.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. 166,052, Feb. 26.
Smith, Garland B., Madison, Wis. Artificial Christmas tree. 165,701, Jan. 15.
Smith, George W., Mohnton, Pa. Stocking. 167,910, Oct. 7.
Smith, James M., Denver, Colo. Knitting device or similar article. 167,911, Oct. 7.
Smith, James W., Austin, Tex. Child's auxiliary seat. 167,287, July 15.
Smith, John W., Killbuck, Ohio. Clock casing or similar article. 165,613, Jan. 1.
Smith, John W., Millersburg, assignor to The Time Products Co., Berlin, Ohio. Mantel clock case. 167,379, July 29.
Smith, Kenneth C., Anderson, Ind. Jet plane kite. 168,383, Dec. 9.
Sniderman, John M., New York, N. Y. Embroidered trimming or the like. 167,324, July 22.
Sniderman, John M., New York, N. Y. Embroidered trimming or the like. 167,325, July 22.
Snyder, Samuel L., Mill City, Pa. Corner rack. 167,958, Oct. 14.
Sobel, David, Revere, Mass. Matchbook case or similar article. 166,004, Feb. 19.
Sobolewsky, Anthony, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Floor mat. 166,935, June 3.
Societe Anonyme: Etablissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.
Soffer, Jack W., assignor to Development Research, Inc., St. Louis, Mo. Locking closure for containers. 167,725, Sept. 9.
Sofro, Louis J., assignor to Reliance Molded Plastics, Inc., Pawtucket, R. I. Toy whistle. 165,614, Jan. 1.
Sol, Chester V., and P. Graban, Hobart, Ind. Airplane. 162,482, Dec. 23.
So-Lo Works Incorporated, assignee: *See*—
Hansfeld, Betty A., and Tooker.
Solomon, Mortimer, New York, N. Y. Bathing suit. 165,882, Feb. 5.
Solomon, Ralph E., R. Shelton, and C. W. Agee, assignors to Samuel Stamping & Enameling Company, Chattanooga, Tenn. Gas burner. 165,883, Feb. 5.
Sonin, Sam, Kansas City, Mo. Float boat for children. 168,483, Dec. 23.
Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Pendant. 166,507, Apr. 15.
Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring. 167,120, June 24.
Spack, Louis M., Englewood, assignor to Utilitron Incorporated, Hoboken, N. J. Combined slipper and sock. 166,053, Feb. 26.
Spanel, Abraham N., Princeton, N. J. Holder for hair cutter or the like. 165,884, Feb. 5.
Spanel, Abraham N., Princeton, N. J., assignor to Cutler Corporation, Wilmington, Del. Combination vending and display stand for hair cutters. 166,887, May 27.
Spanel, Abraham N., Princeton, N. J., assignor to Cutler Corporation, Wilmington, Del. Combination vending and display device for hair cutters. 166,888, May 27.
Speedway Manufacturing Company, assignee: *See*—
Scace, Steven E.
Speck, Kurt, Palisades Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Combined expansible watch band and watchcase. 166,719, May 6.
Spector, Maurice A., New York, N. Y. Handbag or similar article. 166,362, Apr. 1.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Spencer, Ellie P., administrator: *See*—
Spencer, Harlan L., and Beeson.
Spencer, Harlan L., deceased, Syracuse, Ind., by E. P. Spencer, Syracuse, and The National Bank and Trust Company of South Bend, South Bend, administrators, and C. T. Beeson, assignors to Liberty Coach Company, Inc, Bremen, Ind Trailer coach. 167,007, June 10.
Spencer, Richard O., Santa Monica, Calif., and B. R. Voight, Milford, Conn., assignors to General Electric Company. Travel iron. 167,776, Sept. 16.
Spender, Donald L., Wolcott, assignor to Scoville Manufacturing Company, Waterbury, Conn. Perfume bottle casing. 167,777, Sept. 16.
Spero, Alan C., assignor to Enchantress Foundations, Inc., Great Neck, N. Y. Girdle. 167,912, Oct. 7.
Spiegel, Inc., assignee: *See*—
Rudin, Louis E., and Schwartz.
Spiller, Herman, Philadelphia, Pa. Stocking. 166,720, May 6.
Spilman, Virginia G., Albuquerque, N. Mex. Moccasin. 167,008, June 10.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Temple for spectacles or the like. 166,578, Apr. 22.
Spotnails, Inc., assignee: *See*—
Beckman, William R., and Crooks.
Sprengnether, Roberta L., administratrix: *See*—
Spreugnether, William F., Jr.
Sprengnether, William F., Jr., deceased, St. Louis, Mo.; R. L. Sprengnether, administratrix of said W. F. Sprengnether, Jr. Builder's transit level. 166,506, Apr. 15.
Spurgeon, Richard M., assignee: *See*—
Wolf, Alfred E.
Staats, Albert F., San Gabriel, Calif. Chair frame. 168,129, Nov. 4.
Stackhouse, David L., Warwick, R. I. Game board. 167,778, Sept. 16.
Staff, Aaron S., New York, N. Y. Lace. 166,279, Mar. 25.
Stahl, Gerald E.: *See*—
Genin, Robert I., and Stahl.
Staley, Robert H., Washington, D. C. Finger ring. 165,941, Feb. 12.
Standard Cameras Limited, assignee: *See*—
Lamb, Harry.
Standard Hosiery Mills, Inc., assignee: *See*—
Torgersen, Raymond A.
Stanley, Darwin C., Paramount, Calif. Hobbyhorse or similar article. 166,776, May 13.
Star Welding & Manufacturing Company, Inc., The, assignee: *See*—
Coble, Ernest L.
Stark, Charles, Kew Gardens Hills, N. Y. Shoulder bag. 167,913, Oct. 7.
Stark, Ludwig, Springfield, N. J. Artificial Christmas tree. 166,135, Mar. 11.
Stark, Theodore H.: *See*—
Brooks, Albert E., Bacon, and Stark.
Statter, Estella E., Hutchinson County, S. Dak. Buckle for a sanitary belt. 165,669, Jan. 8.
Stayback, William, Riveredge, N. J. Identification medallion. 166,422, Apr. 8.
Steadman, Audrey H., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 167,779, Sept. 16.
Steam Electric Products Limited, assignee: *See*—
Collura, Francesco.
Stec, Dmytro, Dearborn, Mich. Wal plaque. 166,889, May 27.
Stec, Henry F., Chicago, Ill. Hat. 166,423, Apr. 8.
Stedman, Clarence H., Decatur, Ill. Poker chip rack. 165,799, Jan. 29.
Steeber, Albert F., Milburn, N. J., assignor to The Portable Light Company, Inc., New York, N. Y. Lamp. 167,816, Sept. 23.
Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Fruit juice dispenser. 167,121, June 24.
Steelmaster, Inc., assignee: *See*—
Lampel, William I.
Stefanakis, William H., Long Beach, N. Y. Pocket file case. 168,241, Nov. 18.

Stegeman, Raymond F. E., and F. G. Gay, Jr., Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Goggle front. 166,231, Mar. 18.
Steglich, Herbert H.: *See*—
De Young, Jack, Petersen, and Steglich.
Steinbook, Max, assignor to Broil-Quik, Inc., New York, N. Y. Electric broiler. 167,122, June 24.
Stein, Fred, Long Beach, N. Y. Shoe rack. 165,942, Feb. 12.
Stein, Jack, New York, N. Y. Sandal. 167,235, July 8.
Stelzer, Harry, New York, N. Y. Belt buckle or similar article. 168,242, Nov. 18.
Stelzer, Harry, New York, N. Y. Belt buckle or similar article. 168,243, Nov. 18.
Stelzer, Harry, New York, N. Y. Belt buckle or similar article. 168,244, Nov. 18.
Stengren, Jon, Forest Hills, N. Y. Jar. 165,670, Jan. 8.
Stengren, Jon, Forest Hills, N. Y. Bottle. 165,671, Jan. 8.
Stenor Limited, assignee: *See*—
Herbert, Sidney J.
Steranczak, Steve, Clifton, N. J. Tricycle. 167,780, Sept. 16.
Stern, Cari R., Garden City, N. Y. Play shoe or the like. 166,424, Apr. 8.
Sterngold, Myron I., New York, N. Y. Dress. 168,322, Dec. 2.
Stevens, Clifford B.: *See*—
Hughes, John J., Jr., and Stevens.
Stevens, Donald H., Oakville, Ontario, Canada. Toy bow gun or similar article. 166,831, May 20.
Stewart, Donald E., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Control knob for gas stove or similar article. 165,672, Jan. 8.
Stewart, Donald E., assignor to Winters & Crampton Corporation, Grandville, Mich. Stove handle. 165,702, Jan. 15.
Stewart, Donald E., assignor to Winters & Crampton Corporation, Grandville, Mich. Stove handle. 165,703, Jan. 15.
Stewart, Frank P.: *See*—
Hansen, Joseph V., and Stewart.
Stewart, James W., Denver, Colo. Lamp. 167,179, July 1.
Stillman, Isadore, Philadelphia, Pa. Stocking. 166,280, Mar. 25.
Stillman, Isadore, Philadelphia, Pa. Stocking. 166,281, Mar. 25.
Stillman, Isadore, Philadelphia, Pa. Stocking. 167,236, July 8.
Stillman, Isadore, Philadelphia, Pa. Stocking. 167,288, July 15.
Stirratt, Ruth W., Duluth, Minn. Ash tray. 168,130, Nov. 4.
Stock, Otto F., assignor to The Julian & Kokenge Company, Columbus, Ohio. Woman's shoe. 166,890, May 27.
Stoller, Rudolf, assignor to Chester H. Roth Co., Inc., New York, N. Y. Hosiery envelope. 167,489, Aug. 12.
Stolz, Waldo E., Dayton, Ohio. Belt display stand. 166,425, Apr. 8.
Stone, Natalie G., assignee: *See*—
Wilcher, Abrasha.
Stoneward, Inc., assignee: *See*—
Hayward, Theodore W.
Stop & Shop, Inc., assignee: *See*—
MacManus, John.
Storchhein, Morris A., Forest Hills, assignor to Mal-Craft Manufacturing Co. Inc., New York, N. Y. Table lamp. 168,195, Nov. 11.
Storkline Furniture Corporation, assignee: *See*—
Feldman, Abraham G.
Stotter, Alfred B., Cleveland Heights, and A. J. Vaiksnoras, assignors to Transparent Specialties Corporation, Cleveland, Ohio. Combination wall shelf and planter unit. 166,426, Apr. 8.
Stotter, Alfred B., Cleveland Heights, assignor to Transparent Specialties Corporation, Cleveland, Ohio. Cake cover. 167,380, July 29.
Stout, Ernest G.: *See*—
Bayless, Ralph L., and Stout.
Stow, Clarence E., Kansas City, Mo., assignor of one-half to J. J. and E. M. Waspi, Kansas City, Mo. Sun visor. 165,943, Feb. 12.
Strange, Charles H., White Plains, N. Y. Combined letter scale, paper clips, and stamp container. 165,724, Jan. 22.
Strathaus, John, Los Angeles, Calif. Combined serving cart and table. 165,944, Feb. 12.
Strause, Monroe B., San Diego, Calif. Meringue pie. 167,430, Aug. 5.
Strauss, D., Co., Inc., assignee: *See*—
Malkin, Lawrence.
Streng, Jan, Ridgefield, Conn., assignor to Remington Rand Inc., New York, N. Y. Electric shaver. 167,596, Aug. 26.
Strock, Alvin E., Newton, Mass. Toothbrush or similar article. 166,427, Apr. 8.
Stromberg-Carlson Company, assignee: *See*—
Kelso, James W.
Stroobants, Pierre, Anderlecht-Brussels, assignor to Ateliers de Constructions Electriques de Charlerol (Societe Anonyme), Brussels, Belgium. Magnetic recording dictating machine. 167,726, Sept. 9.
Strouth, Howard S., Forest Hills, N. Y. Calendar wristband. 165,673, Jan. 8.
Stucker, Leslie L., Bronx, assignor to Lou Goldsmith Handbag Corp., New York, N. Y. Lady's handbag or the like. 167,959, Oct. 14.
Studebaker Corporation, The, assignee: *See*—
Andrews, Robert F.
Bourke, Robert E.
Cuccio, John D.
Hermann, Edward E.
Stuhr, Fred E., New York, N. Y. Store front. 167,870, Sept. 30.
Stumpenhorst, Erich J., Chicago, Ill., assignor to Farm-Rite Implement Company. Semimounted corn harvester. 165,945, Feb. 12.
Stylon Corporation, assignee: *See*—
Hallward, Michael.
Suess, Herbert M., Rockledge, Pa. Stocking. 166,721, May 6.
Suess, Herbert M., Rockledge, Pa. Stocking. 167,237, July 8.
Suess, Herbert M., Rockledge, Pa. Stocking. 167,238, July 8.
Summerhill, Walter E., Chardon, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio. Hand truck. 166,005, Feb. 19.
Sunbeam Corporation, assignee: *See*—
Jepson, Ivar.
Sundberg, Carl W., Birmingham, Mich.; assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 168,003, Oct. 21.
Sundberg, Carl W., Birmingham, and M. Ferar, Huntington Woods, Mich., assignors to Sylvania Electric Products Inc. Clock-radio housing. 165,704, Jan. 15.
Sunderlin, Robert L., Cincinnati, assignor to The Dyment Company, Cleveland, Ohio. Display device. 167,180, July 1.
Sunkist Growers, Inc., assignee: *See*—
Dreyfuss, Henry.
Superdisplay, Incorporated, assignee: *See*—
Kilburg, Gene, Covey, and Lippincott.
Superior Plastics Inc., assignee: *See*—
Black, John M.
McGee, Paul D.
Super Mold Corporation of California, assignee: *See*—
Beckman, George O.
Surface Combustion Corporation, assignee: *See*—
Hughes, George E.
Painter, David L.
Surprise Brassiere Co. Inc., assignee: *See*—
Newman, Morris.
Sushan, Harold J., Burbank, Calif. Collapsible container tube dispenser and hanger. 167,597, Aug. 26.
Sutton, O. A., Corporation, Inc., The, assignee: *See*—
Jewell, Bernard W.
Swedlin, Jacob, Rockville, Centre, N. Y. Doll or similar article. 165,725, Jan. 22.
Swing-A-Way Manufacturing Company, assignee: *See*—
Moore, Walter E.
Swiss Watch Dial Co., Inc., assignee: *See*—
Saccone, John V.
Swisscraft Embroidery Company, assignee: *See*—
Usdin, William.
Sylvania Electric Products Inc., assignee: *See*—
Sundberg, Carl W., and Ferar.
Symington, Thomas R., Baltimore, Md. Bracket or the like. 168,074, Oct. 28.
Tabata, Shizuko, San Mateo, Calif. Purse. 166,282, Mar. 25.
Talt, George C., Shillington, Pa. Stocking. 165,800, Jan. 29.
Talt, George C., Shillington, Pa. Stocking. 165,801, Jan. 29.
Talge, Henry J., Kansas City, Mo., and F. E. Aberer, Kansas City, Kans., assignors to J. C. Hockery, Kansas City, Mo., trustee. Can opener. 167,598, Aug. 26.
Talon, Inc., assignee: *See*—
Tuteur, Marianne.
Tammen, Glenn W., Park Ridge, Ill., assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Tower scale front panel. 165,615, Jan. 1.
Taranton, Alman J., Riverside, Conn. Nursing bottle. 167,914, Oct. 7.
Tarmon, Leonard, Brooklyn, N. Y. Necktie. 166,054. Feb. 26.
Taylor, Furman F.: *See*—
Wyman, Floyd H., and Taylor.
Taylor Instrument Companies, assignee: *See*—
Melville, Richard J.
Taylor, William F., assignee: *See*—
Bergman, Otto.
Taylor, William E., Long Beach, Calif. Supporting rack for a vacuum coffee-maker upper bowl. 165,885, Feb. 5.
Teague, James, Chicago, Ill. Baking pan. 167,123. June 24.
Teague, Walter D.: *See*—
Bronk, Fay E., and Teague.
Teamakers, Inc., assignee: *See*—
Newman, Charles H., and Hvale.
Teare, Albert R., Cleveland Heights, Ohio. Clothespin. 167,727, Sept. 9.
Technical Porcelain and Chinaware Co., assignee: *See*—
Richardson, William C.

Telanserphone Inc., assignee: *See*—
Florac, Richard.
Telectro Industries Corp., assignee: *See*—
Zapolski, Benjamin J.
Teledex, Inc., assignee: *See*—
Mayo, Edward L.
Tele-Trip Policy Company, Inc., assignee: *See*—
Wheeler, David D.
Tenderich, Gertrude S., assignee: *See*—
Voss, Joseph A.
Ten Eyck, Richard, Wichita, Kans. Duplex house trailer. 166,722, May 6.
Terry, Louis E.: *See*—
Phillips, George L., and Terry.
Terry, Trent B., Charlottesville, Va. Shorts. 166,363, Apr. 1.
Terry, Woodrow G., assignor to The Totem Pole Advertising Co., Salt Lake City, Utah. Advertising sign. 166,641, Apr. 29.
Terry, Woodrow G., assignor to The Totem Pole Advertising Co., Salt Lake City, Utah. Advertising sign. 168,384, Dec. 9.
Tersini, Angelo, San Jose, Calif. Plant root receptacle. 167,009, June 10.
Teuber, Max, assignor of one-half to J. W. Boak, Los Angeles, Calif. Combination table and television picture projection unit. 168,004, Oct. 21.
Textileather Corporation, assignee: *See*—
Laska, David.
Thaden, Theron J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. 167,381, July 29.
Thatcher Glass Manufacturing Company, Inc., assignee: *See*—
Wood, William A.
Thomas Manufacturing Corporation, assignee: *See*—
Hollis, Norman.
Thomas, William, Los Angeles, Calif. Office machine stand. 168,524, Dec. 30.
Thomas, William, Los Angeles, Calif. Office machine table. 168,525, Dec. 30.
Thompson, Clifford O.: *See*—
Thompson, Edith R. and C. O.
Thompson, Edith R. and C. O., Hawthorne, Calif. Child's drinking glass. 166,832, May 20.
Thompson Electric Company, The, assignee: *See*—
Farrington, Thayer B. and R. K., Ikeda, and Mercer.
Thompson Grinder Company, The, assignee: *See*—
Hanna, Edward C.
Thompson, Harriet M., Ridgefield, Conn. Multipurpose table. 166,580, Apr. 22.
Thompson, Houston, Milwaukee, Wis. Automobile. 166,833, May 20.
Thompson, Josephus, Covington, assignor to Grossman Music Corporation, Cleveland, Ohio. Toy horn. 165,946, Feb. 12.
Thompson, Rebecca L., Arlington, Vt. Clockcase. 167,010, June 10.
Thompson, Roland B., Lincoln, Nebr. Necktie rack. 165,886, Feb. 5.
Thonet Industries, Inc., assignee: *See*—
Weill, Bruno R.
Thorn Electrical Industries Limited, assignee: *See*—
Bell, Terence F. P., Kember, and Anderson.
Thorne, Henry H., Chicago, Ill. Lady's suspender belt. 168,075, Oct. 28.
Thornton, George D., Berkley, assignor of one-half to E. W. Hanson, Hazel Park, Mich. Television reminder. 166,364, Apr. 1.
Thorward, George W., Caldwell, N. J. Hamburger mold or similar article. 166,365, Apr. 1.
Tiffany, Kenneth H.: *See*—
Margulies, Walter P., Covey, and Tiffany.
Tillstrom, Franklin B., Chicago, Ill. Puppet. 167,289, July 15.
Time Products Co., The, assignee: *See*—
Smith, John W.
Timm Industries, Inc., assignee: *See*—
Timm, Otto W., and Greene.
Timm, Otto W., Van Nuys, and H. R. Greene, Pasadena, assignors to Timm Industries, Inc., Los Angeles, Calif. Vending machine. 165,802, Jan. 29.
Tinling, Collingwood T., London, England, assignor to Tinling, Inc., New York, N. Y. Necktie. 166,891, May 27.
Tinling, Inc., assignee: *See*—
Tinling, Collingwood T.
Tobey, Richard S., South Pasadena, Calif. Ash tray or similar article. 168,484, Dec. 23.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 165,947, Feb. 12.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 166,508, Apr. 15.
Todd, Caroline O., Miami, Fla. Cap or the like. 166,366, Apr. 1.
Todd, Juanita G., Yonkers, assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. 166,642, Apr. 29.
Todd, Kirkland W., Pittsburgh, assignor to The Jeannette Glass Company, Jeannette, Pa. Candlestick. 166,428, Apr. 8.
Toledo Metal Bed Slat Company, The, assignee: *See*—
Rosenthal, Ralph W., Jr.
Toledo Scale Company, assignee: *See*—
Little, John M.
Weckerly, Mark A.
Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Combined shirt and collar protector. 166,643, Apr. 29.
Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Combined shirt and collar protector. 166,644, Apr. 29.
Tooker, Charles G.: *See*—
Hausfeld, Betty A., and Tooker.
Torgersen, Raymond A., Burlington, N. C., assignor to Standard Hosiery Mills, Inc. Man's sock. 166,232, Mar. 18.
Torgersen, Raymond A., Burlington, N. C., assignor to Standard Hosiery Mills, Inc. Man's sock. 166,233, Mar. 18.
Torsion Balance Company, The, assignee: *See*—
Otto, Carl, and Dobling.
Totem Pole Advertising Co., The, assignee: *See*—
Terry, Woodrow G.
Touart, Mitchell A., Jr., Pensacola, Fla. Cigarette package holder or similar article. 168,131, Nov. 4.
Touney, Paul R., Toledo, Ohio. Type cleaning device for typewriters. 167,062, June 17.
Towle, Elmer J., San Francisco, Calif. Rosary bracelet. 166,107, Mar. 4.
Towle Manufacturing Company, assignee: *See*—
Van Koert, John O.
Trad, Victor, Asbury Park, N. J. Television projection unit. 167,239, July 8.
Traficante, Dorothy K., Minneapolis, Minn. Accordion grill. 167,431, Aug. 5.
Train, Jess, assignor to Tranel, Inc., New York, N. Y. Brassière slip. 165,803, Jan. 29.
Tranel, Inc., assignee: *See*—
Train, Jess.
Transparent Specialties Corporation, assignee: *See*—
Stotter, Alfred B.
Stotter, Alfred B., and Vaiksnoras.
Tredway, Martha: *See*—
Yohey, Jessie, and Tredway.
Treiss, Herman G., Jr., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter. 167,661, Sept. 2.
Triangle Studios, assignee: *See*—
De Marsa, Valeria.
Tricarico, Joseph R., Riverton, N. J. Driver's garment. 167,240, July 8.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Trimfoot Company, assignee: *See*—
Reinhart, John B., Jr., and Ruebel.
Triphahn, Arthur F., Chicago, Ill. Visor for rearview mirrors and the like. 166,429, Apr. 8.
Tri-State Plastic Molding Co., assignee: *See*—
Gibbs, Robert K.
Triumph Hosiery Mills, Inc., assignee: *See*—
Goodman, Herbert N.
Troccoli, Frank, assignor to Waco Products, Inc., Chicago, Ill. Luggage rack or similar article. 165,887, Feb. 5.
Tropic-Aire, Inc., assignee: *See*—
Allgeyer, Guy H.
Franklin, Burton.
Troy, Ellen, New York, N. Y. Lady's ornamented stocking. 166,778, May 13.
Troy, Ellen, New York, N. Y. Lady's ornamented stocking. 166,779, May 13.
Troy, Ellen, New York, N. Y. Lady's ornamented stocking. 167,290, July 15.
Troy, Ellen, New York, N. Y. Lady's ornamented stocking. 167,817, Sept. 23.
Troy, Seymour, New York, N. Y. Shoe. 166,136, Mar. 11.
Troy Sunshade Company, The, assignee: *See*—
Witty, James C.
Tru Balance Corsets, Inc., assignee: *See*—
Goldstein, Arthur.
Truesdale, Eddie P., Rock Hill, S. C. Game board. 165,888, Feb. 5.
Trumfio, Harry A., Chicago, Ill. Combined sewing machine cabinet and seat. 166,006, Feb. 19.
Turiansky, Herman, New York, N. Y. Shoe or similar article. 168,076, Oct. 28.
Turiansky, Herman, New York, N. Y. Shoe or similar article. 168,077, Oct. 28.
Turiansky, Herman, New York, N. Y. Shoe or similar article. 168,078, Oct. 28.
Turiansky, Herman, New York, N. Y. Shoe or similar article. 168,079, Oct. 28.
Turiansky, Herman, New York, N. Y. Shoe or similar article. 168,080, Oct. 28.
Turini, George A., Providence, R. I. Buckle. 168,196, Nov. 11.
Turnbull, Francis W., Signal Mountain, Tenn. Cabinet for dispensing cones, cups, and the like. 168,526, Dec. 30.
Turnbull, Frederick M., assignee: *See*—
Brown, Frank E.
Turner, Herbert H., Boscobel, Wis. Dump trailer. 165,804, Jan. 29.
Turner, Ralph, Brooklyn, N. Y. Drafting instrument or the like. 167,432, Aug. 5.
Tuteur, Marianne, New York, N. Y. Animal figure or the like. 167,960, Oct. 14.

Tuteur, Marianne, New York, N. Y., assignor to Talon, Inc. Combined clothes rack and container. 168,485, Dec. 23.
Tuteur, Marianne, New York, N. Y., assignor to Talon, Inc. Ash tray. 168,486, Dec. 23.
Tuttle, Paul, assignor to Modern Color, Inc., Los Angeles, Calif. Sofa or similar article. 167,124, June 24.
Tuttle, Paul, assignor to Modern Color, Inc., Los Angeles, Calif. Stool. 167,125, June 24.
Twitty, Frank L., Bronxville, N. Y. Bottle. 165,805, Jan. 29.
Tylon, Samuel, Cleveland, Ohio. Ring display box. 168,081, Oct. 28.
Tys, Ruth D., Lynwood, Calif. Waist girdle. 165,948, Feb. 12.
Uiblein, George V., assignor to M. J. Whittall Associates, Inc., Worcester, Mass. Carpet or similar article. 166,581, Apr. 22.
Ulrich Foundation, Inc., assignee: *See*—
Ulrich, Raymond M.
Ulrich, Raymond M., Roanoke, Ill., assignor to Ulrich Foundation, Inc. Separable coupling for hydraulic lines. 167,662, Sept. 2.
Ulrich, Solomon D., Shelbyville, assignor to A. L. Jones, Stewardson, Ill. Fertilizer spreader hood. 166,137, Mar. 11.
Uncas Manufacturing Company, assignee: *See*—
Sorrentino, Vincent.
Underwood Corporation, assignee: *See*—
Guild, Lurelle V. A.
Union Special Machine Company, assignee: *See*—
Waltman, Chauncey E., and Wallenberg.
United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Punzak, Joseph F.
United States Electric Mfg. Corp., assignee: *See*—
Martial, Jacques, and Ciampa.
U. S. Fiber & Plastics Corp., assignee: *See*—
Vega, Wilbur L.
United States Rubber Company, assignee: *See*—
Sobolewsky, Anthony.
Steadman, Audrey H.
U. S. Slicing Machine Company, Inc., assignee: *See*—
Tammen, Glenn W.
Universal-Rundle Corporation, assignee: *See*—
Alexander, Fred C.
Usdin, William, North Bergen, assignor to Swisscraft Embroidery Company, Union City, N. J. Vamp for a shoe or similar article. 166,645, Apr. 29.
Usdin, William, North Bergen, assignor to Swisscraft Embroidery Company, Union City, N. J. Vamp for a shoe or similar article. 166,646, Apr. 29.
Usdin, William, North Bergen, assignor to Swisscraft Embroidery Company, Union City, N. J. Vamp for a shoe or similar article. 166,647, Apr. 29.
Utilitron Incorporated, assignee: *See*—
Githens, Otto W., and Ward.
Spack, Louis M.
Utz, William A., Fort Worth, Tex. Combination hunter's utility tool. 165,949, Feb. 12.
Vaiksnoras, Anthony J.: *See*—
Stotter, Alfred B., and Vaiksnoras.
Van Art, Inc., assignee: *See*—
Dennis, William V., Jr.
Van Brode Milling Co., Inc., assignee: *See*—
Brody, David, and Coleman.
Vance, Florence H., Oak Park, Ill. Window curtain. 166,108, Mar. 4.
Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic print-making machine. 167,599, Aug. 26.
Van Koert, John O., assignor to Towle Manufacturing Company, Newburyport, Mass. Serving knife blade or similar article. 166,723, May 6.
Van Koert, John O., West Newbury, assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or similar article. 167,490, Aug. 12.
Van Laar, Pauline H., Pasadena, Calif. Pillow doll. 167,433, Aug. 5.
Van Raalte Company, Inc., assignee: *See*—
Junghans, Max.
Van Tuyl, Gertrude, San Antonio, Tex. Animal toy figure. 165,616, Jan. 1.
Van Wyk, Frank J., Chicago, Ill. Rosary case or the like. 168,323, Dec. 2.
Variflame Corporation, The, assignee: *See*—
Woodruff, Henry S.
Vaughan Company, assignee: *See*—
Schueren, Arnold C.
Vaughan Mfg. Co., assignee: *See*—
Laforte, Michael J.
Vavrik, Louis, Rossford, Ohio, assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Hand sled. 167,546, Aug. 19.
Vega, Wilbur L., New Milford, assignor to U. S. Fiber & Plastics Corp., Stirling, N. J. Inflatable mattress. 167,871, Sept. 30.
Vendo Company, The, assignee: *See*—
Meyer, Charles G.
Wheeler, David B.
Venus Foundation Garments, Inc., assignee: *See*—
Diebold, George L.
Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 165,617, Jan. 1.
Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 165,618, Jan. 1.
Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 165,619, Jan. 1.
Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 166,055, Feb. 26.
Verkuil, Leo L.: *See*—
Edwards, Robert S., and Verkuil.
Vermillion, William R., Kansas City, Mo. Knife and fork holder. 168,428, Dec. 16.
Vermot, Henri E., Lancaster Township, assignor to Hamilton Watch Company, Lancaster, Pa. Font of numerals. 167,547, Aug. 19.
Vernon, William F., Newton, Iowa. Ash tray. 166,509, Apr. 15.
Vernon, William F., Newton, Iowa. Ash tray or similar article. 166,834, May 20.
Veroaub, Bernard B., Newark, and L. Lipman, Hillside, N. J. Bird cage ornament. 167,326, July 22.
Vervaet, Arthur J., Paterson, N. J. Woven ecclesiastical banding. 167,915, Oct. 7.
Vervuurt, Etienne L., Caracas, Venezuela. Deck of playing cards. 167,961, Oct. 14.
Via, George B., assignor to The Gerin Corporation, Red Bank, N. J. Centrifuge spider. 165,620, Jan. 1.
Vick Chemical Company, assignee: *See*—
Fort, Benjamin B.
Victor Adding Machine Co., assignee: *See*—
Buehler, Carl.
Victor Industries Corporation, assignee: *See*—
Colotti, Rocco A.
Victor Silk Hosiery Co., assignee: *See*—
Drechsel, Ernest A.
Victory Optical Manufacturing Co., assignee: *See*—
Errico, Vito, Berman, and Lofrese.
Viemeister, Read: *See*—
Abel, Frederick, and Viemeister.
Vigna, Peter F., Antioch, Calif. Christmas tree holder. 166,892, May 27.
Vignos, Paul: *See*—
Blazey, Lawrence E., and Vignos.
Virginia Parks, Inc., assignee: *See*—
Buckingham, John D.
Vischer, Alfred, Jr., Park Ridge, Ill. Autoclave. 166,283, Mar. 25.
Vistain, James E., Jr.: *See*—
Adler, Samuel E., and Vistain.
Visual Research Incorporated, assignee: *See*—
Evans, Robert P.
Vogel, Howard H., and L. R. Lentz, assignors to Champion Spark Plug Company, Toledo, Ohio. Spark plug testing device. 168,324, Dec. 2.
Void, Lester, assignee: *See*—
Pfeffer, William E.
Voight, August L., Berea, Ohio. Dispenser stopper for a bottle. 166,835, May 20.
Voight, August L., Berea, Ohio. Dispensing stopper for bottles. 167,916, Oct. 7.
Voight, Bradford R.: *See*—
McFarland, Donald L., and Voight.
Spencer, Richard O., and Voight.
Vollmert, John C., Pampa, Tex. Envelope moistener. 166,056, Feb. 26.
Von Bergen, John M., Scotch Plains, N. J., and G. W. Meek, Pelham, N. Y. Combined vapor diffuser and ash tray. 168,197, Nov. 11.
Voss, Joseph A., assignor to G. S. Tenderich, Denver, Colo. Hair dye applicator. 167,663, Sept. 2.
Voss, Victor J., New Britain, Pa. Lady's stocking. 165,674, Jan. 8.
Vreeland, Peggy S., Westfield, N. J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 167,434, Aug. 5.
Vreeland, Peggy S., Westfield, N. J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 167,435, Aug. 5.
Vreeland, Peggy S., Westfield, N. J., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 167,962, Oct. 14.
Vuillemenot, Robert, New York, N. Y., assignor to Helene Curtis Industries, Inc., Chicago, Ill. Bottle. 167,181, July 1.
Waco Products, Inc., assignee: *See*—
Troccoli, Frank.
Wadsworth, William F., North Merrick, N. Y. Wall desk. 166,109, Mar. 4.
Waer, John A., Las Vegas, Nev. Game board or the like. 167,011, June 10.
Waer, John A., Las Vegas, Nev. Game board. 167,291, July 15.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 165,950, Feb. 12.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 165,951, Feb. 12.
Wagner, Frans, Chicago, Ill. Dinner plate or similar article. 166,430, Apr. 8.

Wagner, Franz, Chicago, Ill. Dinner plate or similar article. 166,431, Apr. 8.
Wagner, Franz, Chicago, Ill. Dinner plate or similar article. 166,432, Apr. 8.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Sheet metal. 166,724, May 6.
Wagner, Franz, Chicago, Ill., assignor to Easterling China Company. Coffee pot. 166,936, June 3.
Wagner, Franz, Chicago, Ill., assignor to Easterling China Company. Dinner plate. 166,937, June 3.
Wagner, Franz, assignor to Easterling China Company, Chicago, Ill. Combined vegetable dish and lid. 167,292, July 15.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 167,664, Sept. 2.
Wagner, Franz, assignor to Easterling China Company, Chicago, Ill. Cup. 167,917, Oct. 7.
Wagner, Herman, New York, N. Y. Embossed textile fabric. 166,648, Apr. 29.
Wagner, Herman, New York, N. Y. Embossed textile fabric. 166,649, Apr. 29.
Waite Carpet Company, assignee: *See*—
Waite, Philip C.
Waite, Stanley E.
Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Floor covering. 166,007, Feb. 19.
Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Floor covering. 166,138, Mar. 11.
Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Floor covering. 167,872, Sept. 30.
Waite, Stanley E., assignor to Waite Carpet Company, Oshkosh, Wis. Woven screen or similar article. 165,889, Feb. 5.
Waldensian Hosiery Mills, Incorporated, assignee: *See*—
Setzer, David H.
Waldman, Thelma, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,132, Nov. 4.
Wales, George F., Kenmore, N. Y. Checkerboard. 167,382, July 29.
Walker China Company, The, assignee: *See*—
Hacker, Hans.
Rudd, George.
White, Kathryn.
Walker Press Limited, The, assignee: *See*—
Martin, Vernon.
Wallace, Earl C., Andrews, and B. E. Chalmers, Huntington, Ind., assignors to The Hettrick Manufacturing Company, Toledo, Ohio. Headboard for beds. 167,241, July 8.
Wallace, Nellie S., La Crosse, Kans. Lace tablecloth. 168,487, Dec. 23.
Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Germain, Amedie J.
Warren, William S.
Wallau, Alex. Lee, Inc., assignee: *See*—
Kantor, Russell P.
Wallenberg, Ned L.: *See*—
Waltman, Chauncey E., and Wallenberg.
Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Refrigerator cabinet. 166,367, Apr. 1.
Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Name plate. 166,836, May 20.
Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Handle for a home freezer. 167,126, June 24.
Waltman, Chauncey E., and N. L. Wallenberg, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 168,198, Nov. 11.
Wanamaker, John, Philadelphia, assignee: *See*—
Nelson, Carlton L.
Wanner, William F., Minneapolis, Minn. Hydraulic pump. 167,548, Aug. 19.
Ward, Victor H., and R. G. W. Hewitt, Chorleywood, England. Electronic organ. 168,488, Dec. 23.
Ward, Wallace W.: *See*—
Githens, Otto W., and Ward.
Warner Brothers Company, The, assignee: *See*—
La Bue, Seraphina C., and Coogan.
Warner, Julius H., assignee: *See*—
Lundy, James V.
Warnock, Samuel, assignor to Boeing Airplane Company, Seattle, Wash. Transmission line armor rod end clamp. 167,063, June 17.
Warp, John R., assignor to Flex-O-Glass, Inc., Chicago, Ill. Combined displaying and dispensing stand. 167,781, Sept. 16.
Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Elbow type fitting. 166,650, Apr. 29.
Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Double swivel fitting. 166,651, Apr. 29.
Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Swing joint. 166,652, Apr. 29.
Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Elbow fitting for a swing joint. 166,653, Apr. 29.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 167,012, June 10.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 167,013, June 10.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 167,728, Sept. 9.
Wasmund, Paul H., Elmhurst, N. Y. Automobile sign or the like. 168,489, Dec. 23.
Waspi, Effie M., assignee: *See*—
Stow, Clarence E.
Waspi, Jacob J., assignee: *See*—
Stow, Clarence E.
Waters, James F., New York, N. Y. Cooking utensil cover or similar article. 167,600, Aug. 26.
Watertown Manufacturing Company, The, assignee: *See*—
Hedu, Jon.
Watkins, Joseph R., Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Box. 165,726, Jan. 22.
Watkins, William B., Winnetka, assignor to The Wm B. Watkins Co., Evanston, Ill. Cooking utensil. 166,780, May 13.
Watkins, Wm. B., Co., The, assignee: *See*—
Watkins, William B.
Watral, Henry J., Ramsey, N. J. Drainer for dishes, glassware, and silverware. 166,510, Apr. 15.
Watrous, Gilbert A., Chicago, Ill. Lamp. 165,806, Jan. 29.
Watson, Joseph W., Uvalde, Tex. Table and seat unit. 166,725, May 6.
Watson, Leland A., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Hearing aid. 167,873, Sept. 30.
Watson, Reginald, South Gate, Calif. Shower head clamp. 168,385, Dec. 9.
Wear-Right Gloves, Inc., assignee: *See*—
Faré, Roger.
Weatherly, Raymond C., Dallas, Tex. Waiting room seat or similar article. 165,952, Feb. 12.
Webster, Raymond C., assignor to W. E. Anderson, Inc., Kansas City, Mo. Fluid measuring meter. 165,953, Feb. 12.
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 167,818, Sept. 23.
Weeber, Marion, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 168,199, Nov. 11.
Weil & Durrsé, Inc., assignee: *See*—
Bogdanovich, Sergei.
Weilburg, Sidney, New York, N. Y. Aquarium cleaner. 166,284, Mar. 25.
Weill, Bruno R., Statesville, N. C., assignor to Thonet Industries, Inc., New York, N. Y. Nesting chair. 166,893, May 27.
Weill, Milton, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J. Jewelry box. 165,807, Jan. 29.
Weill, Milton, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J. Watch box. 167,014, June 10.
Weill, Milton, New York, N. Y. Jewelry box. 167,918, Oct. 7.
Weinberg, Sol, New York, N. Y. Textile fabric. 166,285, Mar. 25.
Weinberg, Sol, New York, N. Y. Textile fabric. 167,549, Aug. 19.
Weinberg, Sol, New York, N. Y. Textile fabric. 168,200, Nov. 11.
Weisbrot, Max A., Chicago, Ill. Condiment shaker. 165,808, Jan. 29.
Weisbrot, Max A., Chicago, Ill. Serving bottle. 166,057, Feb. 26.
Weiss, Alexander C., Takoma Park, Md. Typewriter case or the like. 166,654, Apr. 29.
Weiss, Alexander C., Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. Combination field desk and trunk. 167,782, Sept. 16.
Weiss, Alexander C. H., Chicago, Ill., and R. W. Ehlers, Silver Spring, Md., assignors to the United States of America as represented by the Secretary of the Army. Packboard. 167,783, Sept. 16.
Weiss, Rose A., Miami Beach, Fla. Recessed bed cabinet. 168,201, Nov. 11.
Weissman, Carl, Bronx, N. Y. Combination jewelry display tray and tissue paper container. 165,890, Feb. 5.
Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 166,286, Mar. 25.
Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 166,287, Mar. 25.
Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 166,288, Mar. 25.
Weissman, Harry, New Hyde Park, N. Y. Spectacle frame ornament or similar article. 166,781, May 13.
Weissman, Harry, New Hyde Park, N. Y. Spectacle frame ornament or similar article. 167,383, July 29.
Weitzman, Herman R., Los Angeles, Calif. Combined belt and holsters set. 166,433, Apr. 8.
Welch Allyn, Inc., assignee: *See*—
Martin, Hayes.
Welch, William W., assignee: *See*—
Johnson, Benjamin H., and Welch.
Welshenbach, Charles D.: *See*—
Flood, Bernard J., and Welshenbach.

Welty, Frank and R., Youngstown, Ohio. Beverage dispensing faucet. 168,386, Dec. 9.
Welty, Raymond: *See*—
Welty, Frank and R.
Weltz, Reuben E., Multon, Ontario, Canada. Chair. 166,938, June 3.
Wenander, Per E., Cincinnati, Ohio. Combined sets of coasters and package therefor or similar article. 166,368, Apr. 1.
Wendt, Robert H., Evanston, Ill. Toy horse. 166,582, Apr. 22.
Wendt, Robert H., Evanston, Ill. Play burro. 167,185, July 1.
Wendt, Robert H., Evanston, Ill. Inflatable burro for water sport. 167,919, Oct. 7.
Werner, Abraham, Sr., Honolulu, Territory of Hawaii. Holder for playing cards. 167,729, Sept. 9.
Werner, William F., assignee: *See*—
White, Ara L.
Weskrna, Henry, Belleville, N. J. Toilet tissue dispenser. 166,782, May 13.
Wesley, Robert O., assignor to Daisy Manufacturing Company, Plymouth, Mich. Package for a toy pistol. 165,954, Feb. 12.
West, William, Montreal, Quebec, Canada, assignor to Personal Products Corporation. Belt fastener. 165,621, Jan. 1.
Westernacher, Fritz, New York, N. Y. Merchandise display stand or similar article. 165,675, Jan. 8.
Westinghouse Electric Corporation, assignee: *See*—
Guild, Lurelle, and Perl.
Lambert, Raoul A.
Pennow, Willis A.
Perl, Frederick W.
Westmore, Ernest H., North Hollywood, Calif. Illuminable make-up mirror. 166,511, Apr. 15.
Wheeler, David B., Independence, assignor to The Vendo Company, Kansas City, Mo. Gum-vending machine. 165,809, Jan. 29.
Wheeler, David B., Independence, Mo., assignor to Tele-Trip Policy Company, Inc., New York, N. Y. Insurance policy vending machine. 167,182, July 1.
Wheeler, David B., Independence, Mo., assignor to Tele-Trip Policy Company, Inc., New York, N. Y. Insurance policy vending machine. 167,183, July 1.
Wheeler, David B., Independence, Mo., assignor to Tele-Trip Policy Company, Inc., New York, N. Y. Insurance policy vending machine. 167,184, July 1.
Whitaker, James P., Sledge, Miss. Combination telephone tray, lamp, and memorandum pad. 167,784, Sept. 16.
Whitaker, James P., Sledge, Miss. Combination telephone tray, lamp, and memorandum pad. 167,785, Sept. 16.
White, Ara L., assignor of one-third to T. A. Glavin, Edgewood, and one-third to W. F. Werner, Providence, R. I. Cigarette case or similar article. 166,512, Apr. 15.
White, Constance R., Beverly Hills, Calif. Egg cup or similar article. 166,289, Mar. 25.
White, David, Company, assignee: *See*—
Collins, Harry J.
White, Edward, IV, Cranford, N. J., assignor to Chicopee Mills, Inc. Textile fabric. 168,281, Nov. 25.
White, Edward, IV, Cranford, N. J., assignor to Chicopee Mills, Inc. Textile fabric. 168,282, Nov. 25.
White, Elmer L., Evanston, Ill. Smoker's accessory. 166,369, Apr. 1.
White, Kathryn, Industry, Pa., assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 168,245, Nov. 18.
White, Melvin S., assignee: *See*—
Hobbs, Arthur G.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Toy crossbow. 166,139, Mar. 11.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle frame. 168,133, Nov. 4.
Whitehall Metal Studios, Inc., assignee: *See*—
Ernst, Otto J., Jr.
Whiteman, Fred: *See*—
Cencer, Peter F., and Whiteman.
Whitney, Ruby D., Chicago, Ill. Container for comestibles. 166,894, May 27.
Whitney, Ruby D., Chicago, Ill. Container for comestibles. 166,895, May 27.
Whittall, M. J., Associates, Inc., assignee: *See*—
Uihlein, George V.
Wiggins, Walter, Jr., Beaver Heights, Md. Marine vessel. 166,513, Apr. 15.
Wiggins, Walter, Jr., Beaver Heights, Md. Passenger boat. 166,514, Apr. 15.
Wiggins, Walter, Jr., Beaver Heights, Md. Ship. 167,730, Sept. 9.
Wiggins, Walter, Jr., Beaver Heights, Md. Automobile. 168,005, Oct. 21.
Wigginton Company, The, assignee: *See*—
Hopkins, Austin D.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 167,786, Sept. 16.
Wilcox, Irwin D., assignor to Endicott Johnson Corporation, Endicott, N. Y. Boot. 166,837, May 20.
Wile, Daniel D., Whittier, assignor to Refrigeration Engineering, Inc., Los Angeles, Calif. Air cooler. 165,891, Feb. 5.
Wilkens, Samuel, East Rockaway, N. Y. Combined bicycle trainer wheel and bracket. 168,202, Nov. 11.
Wilkin, Ellsworth D., assignor to Johnston Lawn Mower Corporation, Ottumwa, Iowa. Mower handle. 165,810, Jan. 29.
Wilkinson, Ernest R., Santa Ana, Calif. Combined cigarette box, cigarette holder, and smoking device. 166,783, May 13.
Wilkoff, Howard M., New York, N. Y. Plastic covering for a pail. 166,434, Apr. 8.
Williams, Harry E., assignor to Williams Patent Corporation, Chicago, Ill. Amusement game apparatus. 167,550, Aug. 19.
Williams, Hiram H., Rhiwbina, Cardiff, Wales. Hand truck. 166,784, May 13.
Williams Patent Corporation, assignee: *See*—
Williams, Harry E.
Williams, Philip M., Oakland, Maine. Packing sheet for fragile articles. 166,515, Apr. 15.
Williams, Richard D., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Settee. 166,058, Feb. 26.
Williams, Richard D., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Lounge chair. 168,429, Dec. 16.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Molded plastic container for tire valve cores. 168,387, Dec. 9.
Williams, William D.: *See*—
Fournier, Albert B., and Williams.
Willinger, Dennis, New York, N. Y. Pin or similar article. 167,731, Sept. 9.
Willis, Harry G., Blackwood, South Australia, Australia. Disposable syringe. 167,127, June 24.
Wilmar Undergarment Corp., assignee: *See*—
Maron, William.
Wilson, Albert, Yonkers, assignor to R. Zelen, Port Chester, N. Y. Robe or similar article. 168,246, Nov. 18.
Wilson, Charles K.: *See*—
Ingham, Herbert S., and Wilson.
Wilson, Forest, Chicago, Ill. Sofa bed. 168,082, Oct. 28.
Wilson-Jones Company, assignee: *See*—
Marano, Herbert W.
Wilson, Paul D., assignor to Imperial Lighting Products Company, Inc., Greensburg, Pa. Lighting fixture. 166,370, Apr. 1.
Winchester, Paul D.: *See*—
De Roo, William C., Winchester, and Kletzmann.
Winters & Crampton Corporation, assignee: *See*—
Stewart, Donald E.
Wiseman, Robert T., Canton, Ohio. Child's sandal or similar article. 166,785, May 13.
Wiseman, Robert T., Canton, Ohio. Lady's sandal or similar article. 167,665, Sept. 2.
Wisteria Hosiery Mills, Inc., assignee: *See*—
Moore, John J.
Witmer, Florence C., New York, N. Y. Bracelet. 165,622, Jan. 1.
Witmer, Florence C., New York, N. Y. Ring. 165,623, Jan. 1.
Witmer, Florence C., New York, N. Y. Necklace. 165,624, Jan. 1.
Witmer, Florence C., New York, N. Y. Necklace or similar article. 167,551, Aug. 19.
Witmer, Florence C., New York, N. Y. Clock. 167,787, Sept. 16.
Wittenn, Constance J., Bay Shore, N. Y. Cocktail glass. 166,008, Feb. 19.
Wittreich, Andrew O., Tenafly, N. J. Traffic sign device. 166,726, May 6.
Witty, James C., assignor to The Troy Sunshade Company, Troy, Ohio. Adjustable chaise. 167,491, Aug. 12.
Wlach, Klári M.: *See*—
Maxwell, Paul M., and Wlach.
Wockenfuss, William, Brooklyn, N. Y., assignor to Burroughs Adding Machine Company, Detroit, Mich. Print unit for printing machines. 168,083, Oct. 28.
Woessner, Carl: *See*—
Gottlieb, Joseph, and Woessner.
Wogomon, Donald G., and H. Pederson, Goshen, Ind. Chaise longue. 166,655, Apr. 29.
Wolcott, Herbert, Columbia, Mo. Toy animal figure. 168,247, Nov. 18.
Wolf, Alfred E., Ephrata, assignor of one-half to R. M. Spurgeon, Center Square, Pa. Lady's stocking. 166,727, May 6.
Wolf, Alfred E., Ephrata, assignor of one-half to R. M. Spurgeon, Center Square, Pa. Lady's stocking. 166,728, May 6.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 166,110, Mar. 4.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,435, Apr. 8.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,006, Oct. 21.
Wolfelt, Curt, New York, N. Y. Shoe or the like. 166,436, Apr. 8.
Wolk, Michael S., Miller, Ind. Slide viewer. 167,874, Sept. 30.
Wolsey, Louis M.: *See*—
Rasmussen, Randall.
Wolsey, Rex J., assignee: *See*—
Rasmussen, Randall.

Wolske, Lawrence E.: *See*—
Nelson, James A., Kamin, and Wolske.
Wood, G. H., and Company Limited, assignee: *See*—
Wood, Geoffrey H., and Mulholland.
Wood, Geoffrey H., and R. Mulholland, assignors to G. H. Wood and Company Limited, Toronto, Ontario, Canada. Place mat. 166,234, Mar. 18.
Wood, Kenneth A.: *See*—
Dickey, Paul S., and Wood.
Wood, Louvan E., Baltimore County, assignor to Bendix Aviation Corporation, Baltimore, Md. Air speed indicating device. 167,242, July 8.
Wood, Preston K., Arcadia, and G. A. Maurer, Tujunga, Calif. Display rack. 168,007, Oct. 21.
Wood, William A., assignor to McKee Glass Company, Jeannette, Pa. Glass goblet. 167,015, June 10.
Wood, William A., Jeannette, Pa., assignor to Thatcher Glass Manufacturing Company, Inc. Sherbert glass. 167,186, July 1.
Woodruff, Henry S., Newark, N. J., assignor to The Variflame Corporation, White Plains, N. Y. Baseboard radiator enclosure. 168,008, Oct. 21.
Woodruff, William N., assignor to The Herschede Hall Clock Company, Cincinnati, Ohio. Parking meter. 166,009, Feb. 19.
Woodson, William T., Manhattan Beach, and R. Gallagher, Los Angeles, Calif. Toy television camera and radar scope. 167,293, July 15.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,010, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,011, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,012, Feb. 19.
Woodward, Joseph H., Miami, Fla. Air circulating rotor or similar article. 166,013, Feb. 19.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 166,896, May 27.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 166,897, May 27.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 166,898, May 27.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Cigarette lighter. 168,009, Oct. 21.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Sleet scraper. 168,248, Nov. 18.
Wright, Alfred, assignor to Barker Brothers Limited, Stoke-on-Trent, England. Plate. 168,010, Oct. 21.
Wright, Marion E., Waterbury, Vt. Badge. 167,875, Sept. 30.
Wright, Russel, New York, N. Y. Knife. 165,811, Jan. 29.
Wright, Russel, New York, N. Y. Cup. 166,014, Feb. 19.
Wright, Russel, New York, N. Y., assignor to Shwayder Brothers, Ecorse, Mich. Folding tray table. 168,430, Dec. 16.
Wrought Iron Range Company, assignee: *See*—
Culver, Edwin R., Jr.
Wupperman, Alfred O., Fort Worth, Tex. Swimming trunks. 165,812, Jan. 29.
Wyman, Floyd H., and F. F. Taylor, Westminster, S. C. Roundabout. 168,011, Oct. 21.
Wynkoop, Judson R., Canal Winchester, Ohio. Power saw for dehorning livestock or similar article. 168,134, Nov. 4.
Yanks, Anna and M., Philadelphia, Pa. Electric bulb. 167,819, Sept. 23.
Yanks, Matthew: *See*—
Yanks, Anna and M.
Yates, Finis G.: *See*—
Miller, Melvin G., and Yates.
Yellin, Bernard, Chicago, Ill. Windmill knife holder. 166,516, Apr. 15.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Drapery mounting ring. 167,128, June 24.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Aquarium or the like. 167,243, July 8.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Bird feed tray. 167,788, Sept. 16.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Window decorative panel or similar article. 168,431, Dec. 16.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Window decorative panel or similar article. 168,432, Dec. 16.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Window decorative panel or similar article. 168,490, Dec. 23.
Yellin, Edward, assignor to Bernard Edward Co., Chicago, Ill. Bird cage. 167,436, Aug. 5.
Yolie, Lester N., Havertown, Pa. Electric ice-cream freezer. 168,433, Dec. 16.
Yohey, Jessie, and M. Tredway, Reno, Nev., said Yohey assignor to Tredway. Baby pants. 168,388, Dec. 9.
York, Franklyn, Plymouth, assignor to Marmy Products Company, Birmingham, Mich. Combined swing seat and supports therefor. 168,012, Oct. 21.
Yorkavage, Jennie, Mount Carmel, Pa. Valance. 168,135, Nov. 4.
Yoss, Adolph E., assignor to J. W. Menhall, Benton, Ill. Parking meter. 166,059, Feb. 26.
Young, Stephen A., Delphi, Ind. Faucet handle. 166,939, June 3.
Youngerman, William H., assignor to Merchants Sales Corp., Chicago, Ill. Condiment dispenser. 165,813, Jan. 29.
Zabel, Karl, Ephrata, Pa. Stocking. 167,244, July 8.
Zaccone, Samuel G., Chicago, Ill. Bookmark. 167,016, June 10.
Zakarin, Victor, New York, N. Y. Window valance or similar article. 167,492, Aug. 12.
Zalman, Alexander: *See*—
Secofsky, Abraham, Meisel, and Zalman.
Zank, Donald G., and N. J. Harvey, Bellevue, Nebr. Tractor seat. 166,838, May 20.
Zapolski, Benjamin J., New York, assignor to Telectro Industries Corp., Long Island City, N. Y. Wire recorder. 166,235, Mar. 18.
Zebarth, Ralph S., Hickman Mills, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry hanging shackle. 166,583, Apr. 22.
Zeisel, Eva, New York, N. Y. Dish cover or the like. 168,389, Dec. 9.
Zel, Joe, Cleveland Heights, and R. W. Latimer, Bay Village, Ohio, assignors to American Greetings Corporation. Merchandise display rack. 167,820, Sept. 23.
Zelen, Richard, assignee: *See*—
Wilson, Albert.
Zendman, I., Inc., assignee: *See*—
Farnsworth, Herbert.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.
De Young, Jack, Petersen, and Steglich.
Zielinski, Edward A., Berwyn, assignor of one-half to J. S. Kishel, Brookfield, Ill. Holder for an harmonica and amplifier pickup therefor. 166,437, Apr. 8.
Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 165,727, Jan. 22.
Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 165,728, Jan. 22.
Zimmer, George H., Jr., assignor to Robbins & Myers, Inc., Springfield, Ohio. Pump. 165,729, Jan. 22.
Zimmerman, Nettie, Los Angeles, Calif. Dinner plate or similar article. 165,892, Feb. 5.
Zon, Louis A., Buffalo, N. Y. Combined food and beverage vending station. 167,601, Aug. 26.
Zon, Louis A., Buffalo, N. Y. Combined food and beverage vending station. 168,084, Oct. 28.
Zuras, Constantine, Silver Spring, Md. Combined jar wrench, can punch, and bottle opener. 167,920, Oct. 7.
Zurn, J. A., Manufacturing Company, assignee: *See*—
Schmid, John H.
Zylberberg, Leon W., Norristown, Pa. Stocking. 167,017, June 10.

1952
LIST OF PLANT PATENTEES

Ahrens, Melvin O., Crystal Lake, Ill. Gardenia plant. 1,072, Feb. 12.
Amling, Clarence M., and G. Beltran, assignors to Clarence Amling Roses, Inc., Santa Ana, Calif. Rose plant. 1,126, Sept. 9.
Amling, Clarence, Roses, Inc., assignee: *See*—
Amling, Clarence M., and Beltran.
Anderson, Frederic W., Merced, assignor to Kim Brothers, doing business as Reedley Nursery, Reedley, Calif. Nectarine tree. 1,060, Jan. 1.
Armstrong, John A., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,087, Apr. 29.
Armstrong, John A., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,088, Apr. 29.
Armstrong, John A., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,104, June 10.
Armstrong Nurseries, Inc., assignee: *See*—
Armstrong, John A.
Dering, Eldon P.
Moffet, William B.
Swim, Herbert C.
Arnold-Fisher Company, assignee: *See*—
Fisher, Esther G.
Barcafer, Ellis H., Springfield, Ohio. Peperomia plant. 1,151, Nov. 25.
Beall Greenhouse Company, assignee: *See*—
Beall, Wallace M.
Beall, Wallace M., Vashon, Wash., assignor to Beall Greenhouse Company. Rose plant. 1,116, July 22.
Beltran, Gabriel: *See*—
Amling, Clarence M., and Beltran.
Boellner, Louis B., Roswell, N. Mex., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Walnut tree. 1,063, Jan. 1.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,065, Jan. 15.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,106, June 17.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,113, July 8.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,114, July 22.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,117, Aug. 5.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,129, Sept. 16.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,130, Sept. 16.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,131, Sept. 16.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,132, Sept. 16.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,140, Oct. 21.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,143, Nov. 4.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,155, Dec. 16.
Brooks, Lenard L., Modesto, Calif. Azalea plant. 1,157, Dec. 23.
Brooks, Lenard L., Modesto, Calif. Azalea plant. 1,158, Dec. 23.
Brooks, Lenard L., Modesto, Calif. Azalea plant. 1,159, Dec. 23.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,059, Jan. 1.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,111, July 1.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,122, Aug. 26.
Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,124, Sept. 2.
Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 1,083, Apr. 22.
Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 1,118, Aug. 5.
Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 1,146, Nov. 11.
Caluya, Frederick L., Newman, Calif., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,089, Apr. 29.
Caluya, Frederick L., Newman, Calif., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,090, Apr. 29.
Clarke, W. B., & Co., assignee: *See*—
Clarke, Walter B.
Clarke, Walter B., San Jose, Calif., assignor to W. B. Clarke & Co. Lilac plant. 1,128, Sept. 16.
Coates, Leonard, Nurseries, Inc., assignee: *See*—
Marken, Harry L. and W. J.
Columbia & Okanogan Nursery Company, assignee: *See*—
Mars, Alvin J.
Conard-Pyle Company, The, assignee: *See*—
Meilland, Francis.
Poulsen, Svend.
Connell, Hooper P., Baton Rouge, La. Camellia plant. 1,078, Mar. 11.
Corliss Bros., Inc., assignee: *See*—
Corliss, Clifford D.
Corliss, Clifford D., assignor to Corliss Bros., Inc., Gloucester, Mass. Euonymus fortunei plant. 1,073, Feb. 12.
Corliss, Clifford D., assignor to Corliss Bros., Inc., Gloucester, Mass. Euonymus fortunei plant. 1,079, Mar. 11.
Corliss, Clifford D., assignor to Corliss Bros., Inc., Gloucester, Mass. Euonymus plant. 1,112, July 8.
Dering, Eldon P., Scappoose, Oreg., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,076, Feb. 26.
Descanso Distributors, Inc., assignee: *See*—
Lammerts, Walter E.
Domilla, Silvio, assignor to Twin Nurseries, San Lorenso, Calif. Rose plant. 1,061, Jan. 1.
Domoto, Toichi, Hayward, Calif. Camellia plant. 1,074, Feb. 12.
Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,062, Jan. 1.
Duehrsen, Carl G., Montebello, assignor to C. A. Elmer, trading as Elmer Roses, San Gabriel, Calif. Rose plant. 1,066, Jan. 15.
Ecke, Paul, Encinitas, Calif. Poinsettia plant. 1,068, Jan. 29.
Elmer, Constance A., assignee: *See*—
Duehrsen, Carl G.
Elmer Roses: *See*—
Duehrsen, Carl G.
Fisher, Esther G., assignor to Arnold-Fisher Company, Woburn, Mass. Hybrid tea rose plant. 1,081, Apr. 8.
Fisher, Esther G., assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 1,109, June 24.
Garabedian, John M., assignee: *See*—
Kirkman, William T.
Garabedian, John M., Fresno, Calif. Peach tree. 1,141, Oct. 28.
Gardner, Edward J., Horicon, Wis. Double pink lilac plant. 1,086, Apr. 29.
Germain's, Inc., assignee: *See*—
Whisler, Milton L.
Ghio, Louis, San Francisco, Calif. Saintpaulia or African violet plant. 1,077, Mar. 11.
Grepke, Henry D., Fort Wayne, Ind., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Spirea plant. 1,069, Jan. 29.
Grullemans, John J., Shaker Heights, Ohio. Caryopteris plant. 1,091, May 6.
Hahn, Louis, & Son, assignee: *See*—
Hahn, Walter S.
Hahn, Walter S., assignor to Louis Hahn & Son, Pittsburgh, Pa. Ivy plant. 1,067, Jan. 15.
Hahn, Walter S., assignor to Louis Hahn & Son, Pittsburgh, Pa. Ivy plant. 1,102, June 10.
Hastie, Carlisle N., Jr., Charleston, S. C. Camellia plant. 1,107, June 24.
Hill, Joseph H., Company, assignee: *See*—
Byrum, Roy L.
Holton & Hunkel Co., assignee: *See*—
Hunkel, Carol H.
Howard, Arthur P., Sierra Madre, assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,136, Oct. 14.
Howard, Arthur P., Sierra Madre, assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,145, Nov. 11.
Howard & Smith, assignee: *See*—
Duehrsen, Carl G.
Howard, Arthur P.
Hunkel, Carol H., assignor to Holton & Hunkel Co., Milwaukee, Wis. Poinsettia plant. 1,085, Apr. 22.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.
Caluya, Frederick L.
Jordan, Garret L.
McMullen, Colin.
Parmentier, John.
Read, Francis G.
Schneeberg, Paul.
Verschuren, Hendrikus A. M.

Johnson, Ruth S., Oklahoma City, Okla., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Plum tree. 1,064, Jan. 1.

Jordan, Garret L., Urbana, Ill., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,139, Oct. 21.

Kalle, Adrian G., South Haven, Mich., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Pear tree. 1,095, May 13.

Kim Brothers, assignee: *See*—
Anderson, Frederic W.

Kirkman, William T., Madera, assignor to J. M. Garabedian, Fresno, Calif. Nectarine tree. 1,096, May 13.

Kirkman, William T., Madera, Calif. Peach tree. 1,147, Nov. 18.

Lammerts, Walter E., assignor to Descanso Distributors, Inc., La Canada, Calif. Ornamental and fruiting peach tree. 1,092, May 6.

Lammerts, Walter E., assignor to Descanso Distributors, Inc., La Canada, Calif. Flowering and fruiting peach tree. 1,093, May 6.

Lammerts, Walter E., assignor to Descanso Distributors, Inc., La Canada, Calif. Ornamental and fruiting peach tree. 1,156, Dec. 23.

Maarse, Gerrit, Aalsmeer, assignor to J. Spek, Boskoop, Netherlands. Syringa vulgaris plant. 1,108, June 24.

Marken, Harry L. and W. J., Morgan Hill, assignors to Leonard Coates Nurseries, Inc., San Jose, Calif. Raphiolepis plant. 1,138, Oct. 14.

Marken, William J.: *See*—
Marken, Harry L. and W. J.

Mars, Alvin J., Entiat, assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash. Apple tree. 1,075, Feb. 19.

Marsh, Edward, Pasadena, Calif. Rose plant. 1,105, June 17.

McMullen, Colin, Little Sutton, Wirral, England, assignor to Jackson & Perkins Company, Newark, N. Y. Shasta daisy plant. 1,084, Apr. 22.

Meilland, Francis, Cap Azura, Cap d'Antibes, Alps Maritime, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,148, Nov. 25.

Meilland, Francis, Cap Azura, Cap d'Antibes, Alps Maritime, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,149, Nov. 25.

Merrill, Grant, Red Bluff, Calif. Peach tree. 1,097, May 20.

Merrill, Grant, Red Bluff, Calif. Peach tree. 1,098, May 20.

Merrill, Grant, Red Bluff, Calif. Peach tree. 1,099, May 20.

Moffet, William B., Gustine, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,094, May 6.

Parmentier, John, Bayport, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,142, Nov. 4.

Phelan, Stephen R., Memphis, Tenn. Rose plant. 1,152, Dec. 9.

Pinney, John J., assignor to The Willis Nursery Company, Ottawa, Kans. Evergreen tree. 1,070, Jan. 29.

Ponteprino, Meyer E., Anaheim, Calif. Avocado tree. 1,080, Mar. 25.

Poulsen, Svend, Copenhagen-Valby, Denmark, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,133, Sept. 16.

Raffel, Frank C., Stockton, Calif. Hybrid tea rose plant. 1,071, Feb. 5.

Read, Francis G., Deopham, Wymondham, Norfolk, England, assignor to Jackson & Perkins Company, Newark, N. Y. Shasta daisy plant. 1,125, Sept. 2.

Reedley Nursery, assignee: *See*—
Anderson, Frederic W.

Schilt, James G., near Fallbrook, Calif. Chamaelaucium plant. 1,101, June 3.

Schneeberg, Paul, Sayville, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,120, Aug. 19.

Shamburger, Paul, Tyler, Tex. Rose plant. 1,121, Aug. 19.

Spek, Jan, assignee: *See*—
Maarse, Gerrit.

Stark Bro's Nurseries and Orchards Company, assignee: *See*—
Boellner, Louis B.
Grepke, Henry D.
Johnson, Ruth S.
Kalle, Adrian G.

Stribling, Thomas B., Jr., Merced, Calif. Peach tree. 1,127, Sept. 9.

Stribling, Thomas B., Jr., Merced, Calif. Peach tree. 1,144, Nov. 11.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Nectarine plant. 1,100, May 27.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,103, June 10.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,119, Aug. 12.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Peach tree. 1,150, Nov. 25.

Verschuren, Hendrikus A. M., Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,115, July 22.

Vistica, Louis, Yuba City, Calif. Pear tree. 1,153, Dec. 9.

Waltz, Muriel J., Ross, Calif. Fuchsia plant. 1,110, July 1.

Wheeler, Rufus L., Macon, Ga. Camellia plant. 1,137, Oct. 14.

Whisler, Milton L., assignor to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,123, Aug. 26.

Whisler, Milton L., assignor to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,134, Sept. 16.

Whisler, Milton L., assignor to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,135, Sept. 16.

Williams, Esther M.: *See*—
Williams, Keith E. and E. M.

Williams, Keith E., Springfield, Ohio. Ivy plant. 1,154, Dec. 9.

Williams, Keith E. and E. M., Springfield, Ohio. Ivy plant. 1,082, Apr. 15.

Willis Nursery Company, The, assignee: *See*—
Pinney, John J.

1952
LIST OF ABSTRACTS OF APPLICATIONS

Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Rate of change responsive network. Ser. No. 242,266, published Oct. 28, 1952.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Alexander, Kliem, and Schniepp.
Belter, Paul A., and Smith.
Hoover, Sam R.
Mast, William C., and Fisher.
Notter, George K.
Swern, Daniel, and Dickel.
Walker, Leander H., and Talburt.

Alexander, Kliem, and L. E. Schniepp, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Aliphatic ethers of 4,4'-dihydroxydibutyl ether. Ser. No. 83,531, published Mar. 18, 1952.

Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Variable nozzle actuator cooling systems. Ser. No. 104,281, published May 20, 1952.

American Telephone and Telegraph Company, assignee: *See*—
Tyson, Herbert L.

American Viscose Corporation, assignee: *See*—
Baer, Byron N.

Andersen, Edward O., Ballston Spa, N. Y., assignor to General Electric Company. Electric terminal fastener. Ser. No. 79,374, published Sept. 23, 1952.

Anderson, Harold W., Scotia, N. Y., assignor to General Electric Company. High-frequency dielectric heater. Ser. No. 737,963, published Jan. 22, 1952.

Anderson, Wilmer C., Douglaston, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Magnetometer compass. Ser. No. 567,394, published June 10, 1952.

Anger, Hal O., Long Beach, Calif., assignor to United States of America as represented by the Secretary of War. Frequency modulated radar system. Ser. No. 638,901, published Dec. 23, 1952.

Apker, Le Roy: *See*—
Taft, Ernest A., and Apker.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Baars, Ernst G.
Brueckmann, Helmut L.
Colton, Roger B.
Ellis, Grenville B.
Hunrath, George.
Hyde, William W.
Lippel, Bernard.

Arthur, Richard S., Schenectady, N. Y., assignor to General Electric Company. Crack detection method. Ser. No. 206,829, published Feb. 26, 1952.

Baars, Ernst G., West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army. Impregnating porous sintered nickel plate. Ser. No. 224,440, published Apr. 29, 1952.

Baer, Byron N., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Stabilized crimped fibers. Ser. No. 597,153, published Mar. 18, 1952.

Bailey, Lester W., Washington D. C., assignor to Radio Corporation of America. Stabilized low frequency multistage electronic amplifiers. Ser. No. 36,083, published Feb. 5, 1952.

Bailey, William F., Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave-signal translating system. Ser. No. 670,063, published Nov. 18, 1952.

Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage pulse capacitor. Ser. No. 173,665, published July 8, 1952.

Baldwin, John H., Joplin, Mo. Prevention of short circuiting of leadage currents. Ser. No. 215,565, published Oct. 28, 1952.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Moody, Lewis F.

Ball, Eric H., Rugby, and J. E. Stanworth, Sheffield, England, assignors to General Electric Company. Multipart insulator. Ser. No. 204,514, published May 20, 1952.

Ballou, Charles O., Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring apparatus. Ser. No. 622,635, published Jan. 8, 1952.

Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Three-electrode semiconductor amplifiers. Ser. No. 68,248, published Aug. 5, 1952.

Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Neutralized semiconductor amplifier. Ser. No. 78,268, published Oct. 28, 1952.

Barton, Oliver J., Summit, and D. H. Wenny, Jr., West Orange, N. J., assignors to Bell Telephone Laboratories, Inc., New York, N. Y. Forming machined permanent magnets. Ser. No. 135,032, published Jan. 8, 1952.

Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Two-sided stylus. Ser. No. 90,689, published Oct. 14, 1952.

Bauman, William C., Midland, Mich. Demineralization method. Ser. No. 26,078, published Oct. 14, 1952.

Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. High fidelity circuit. Ser. No. 67,145, published Sept. 2, 1952.

Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Variable bandpass coupling device. Ser. No. 135,975, published July 8, 1952.

Bell Telephone Laboratories, Inc., assignee: *See*—
Barton, Oliver J., and Wenny.
Burton, Everett T.
De Motte, Frank E.
Robertson, Sloan D.
Thulin, Charles W.
Treptow, Arnold W.

Belter, Paul A., and A. K. Smith, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of soybean protein product. Ser. No. 138,528, published June 24, 1952.

Beltz, Lester L., Walled Lake, assignor to Ford Motor Company, Dearborn, Mich. Warning device. Ser. No. 120,848, published Jan. 22, 1952.

Benson, Jewell R., Denver, Colo., assignor to the United States Government. Prefabricated bituminous membrane canal lining. Ser. No. 148,996, published Mar. 18, 1952.

Berkey, Donald C., Scotia, N. Y., assignor to General Electric Company. Temperature change signal device. Ser. No. 140,315, published May 20, 1952.

Best, Chris E.: *See*—
Conard, Wendell R., and Best.

Bird-Archer Company, The, assignee: *See*—
Sill, George H.

Bluehdorn, William R.: *See*—
Stewart, George E., Green, and Bluehdorn.

Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Limiting heat transfer in turbines. Ser. No. 550,872, published Jan. 8, 1952.

Boothe, Eugene T., Jr., New York, N. Y., and S. J. Cromer, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pressure responsive relay. Ser. No. 133,446, published Oct. 28, 1952.

Borst, Lyle B., Oak Ridge, Tenn. Preservation of foodstuffs. Ser. No. 552,558, published Apr. 29, 1952.

Broeck, Walter T. L. T., Jr., Akron, Ohio. Synthetic rubber of low water absorption. Ser. No. 606,035, published Oct. 28, 1952.

Brooks, Richard E.: *See*—
Gresham, William F., Brooks, and Bruner.

Brown, George T., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Making porous objects from polyvinyl chloride material. Ser. No. 144,362, published Aug. 5, 1952.

Brown, George T., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Molding mixtures. Ser. No. 144,363, published Aug. 5, 1952.

Brueckmann, Helmut L., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of the Army. Transmission line. Ser. No. 200,271, published June 24, 1952.

Bruins, Richard W., T. R. Dedell, and S. Hulse, III, Rochester, N. Y. Filtration apparatus and filtering fluids. Ser. No. 770,212, published Sept. 2, 1952.

Bruner, Walter M.: *See*—
Gresham, William F., Brooks, and Bruner.

Buchan, Rudolph C., Houston, Tex., assignor to Humble Oil & Refining Company. Thread lubricant. Ser. No. 165,377, published Sept. 23, 1952.

Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. Organosilicon compounds. Ser. No. 111,091, published Oct. 14, 1952.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High impedance amplifier. Ser. No. 120,667, published Nov. 18, 1952.

Byrne, John F., Wellesley Hills, Mass., assignor to the United States of America as represented by the Secretary of War. Radio repeater. Ser. No. 627,048, published Aug. 5, 1952.

Caldwell, John R., Kingsport, Tenn. Linear polymeric ether esters. Ser. No. 26,927, published Nov. 18, 1952.

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Hauswirth, Vernon O.
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Gresham, William F., Brooks, and Bruner.
Latour, Theodore R.
Lester, Robert L.
Robinson, Paul.
Salisbury, Leroy F.
Schlimme, Benjamin F., and Jewett.
Schulze, Robert A.
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Crapsey, Arthur H., Jr.
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Firestone Tire & Rubber Company, The, assignee: *See*—
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Conard, Wendell R., and Best.
Rowland, George P., Jr.
Steiner, Robert H.
Thomas, Robert M.
Wente, Van A.
Wiseman, Park A.

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Mast, William C., and Fisher.

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Alford, Joseph S.
Andersen, Edward O.
Anderson, Harold W.
Arthur, Richard S.
Ball, Eric H., and Stanworth.
Beggs, James E.
Berkey, Donald C.
Burkhard, Charles A.
Cawl, Allen P.
Cech, Robert E.
Dehn, Rudolph A.
De Micheal, Dominick J.
Dershowitz, Arthur F.
Dills, Raymond L.
Dodson, Wayne E.
Downie, John W.
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Gamarekian, Sooren E.
Gardiner, Paul C.
Girardot, Bertram C.
Hallstrand, Eric A.
Hemphill, Lawrence F.
Houser, Philip H.
Howard, Alan, and Rice.
Hurt, William C., Jr.
Janssen, William H.
Kennedy, Richard C.
Kilbourne, Charles E.
Lacy, Robert M.
Leeds, Laurance M.
Lewis, Ernest E.
Mannal, Clifford.
Marinace, John C.
Matson, William N.
McArthur, Elmer D.
McFarland, Donald L.
Mittermaier, Armin F.
Neal, Stanford.
Nelson, Richard B.
Nisbet, James D., and Williams.
Peters, Philip H., Jr.
Pollock, Alan A.
Prince, David C.
Rich, Theodore A.
Sambleson, Robert F.
Schlafly, Hubert J., Jr.
Schmidt, August, Jr.
Sertl, Robert J.

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Snell, Dewitt S.
Somerville, Gareth G.
Spofford, Warren A.
Staley, Thomas L.
Starkey, Neal E.
Sway, Henry C.
Taft, Ernest A., and Apker.
Taylor, George F., and Perry.
Thomas, Henry P.
Unger, Magnus.
Van C. Warrington, Albert R.
Van Valkenburg, Howard E.
Wainright, Joseph A.
Walker, Chapman J., and Hull.
Walsh, Robert.
Wattenberger, Vernon J.
Weeks, Walter R.
Wesche, Arthur C.
Westervelt, Nelson H.
Wightman, Lawrence W.
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Pike, Clinton B., Jr.

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Young, Herbert.

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Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Anderson, Wilmer C.
Bailey, William F.
Hall, Maurice B.
Pearsall, Cortland S.
Rosebury, Fred, and Smullin.
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Hathaway, Jarrett L., and Kennedy.
Herr, Russell E.
Isom, Warren R.
Kerr, Maxwell A., Caldwell, and Volkmann.
Nielsen, Steffen F.
Scheldorf, Ranald D.
Sinnett, Chester M.
Tolson, William A., and Meneley.
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Ballou, Charles O.
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Farr, Harold K.
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Brady, George W., Upper Montclair, N. J. Disclaimer filed by the inventor and the assignee, Curtiss-Wright Corporation. No. 2,458,975; disclaimer filed Mar. 14, 1952; v. 657; p. 631.

Brode, George E., Newark, and Hayes B. Steinhauser, Montclair, N. J. Disclaimer filed by the assignee, Federal Telephone and Radio Corporation. No. 2,496,266; disclaimer filed Dec. 8, 1951; v. 654; p. 649.

Broding, Robert A., Dallas, Tex. Disclaimer filed by the assignee, Schlumberger Well Surveying Corporation. No. 2,535,666; disclaimer filed June 27, 1952; v. 661; p. 13.

Bruck, George G., East Orange, N. J. Disclaimer filed by the assignee, Raytheon Manufacturing Company. No. 2,468,166; disclaimer filed Feb. 18, 1952; v. 656; p. 917.

Buchanan, Stephen N., Westmoreland Hills, Md. Disclaimer filed by the inventor; the assignee, Buchanan Electrical Products Corporation, consenting. No. 2,499,296; disclaimer filed Dec. 18, 1951; v. 654; p. 649.

Burton, William P., Orange, N. J. Disclaimer filed by the assignee, The M. W. Kellogg Company. No. 2,505,752; disclaimer filed Oct. 30, 1952; v. 665; p. 14.

Busch, Charles R., Orange, N. J. Disclaimer filed by the inventor and the assignee, Buffalo Brake Beam Company. No. 2,490,205; disclaimer filed Apr. 8, 1952; v. 658; p. 9.

Caldwell, John R., Kingsport, Tenn. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,525,521; disclaimer filed Jan. 31, 1952; v. 656; p. 283.

Callahan, John T., La Feria, Tex., and John D. Lahmeyer, Tulsa, Okla. Disclaimer filed by the inventors; the assignee, Radiation Surveys, Inc., assenting. No. 2,526,326; disclaimer filed July 18, 1952; v. 661; p. 578.

Carpenter, Herbert L., Brooklyn, N. Y. Disclaimer filed by the assignee, Carpenter Container Corporation, the inventor joining in and consenting. No. 2,382,858; disclaimer filed Nov. 28, 1952; v. 665; p. 1342.

Chakiris, Demetrius G., Dayton, Ohio. Disclaimer filed by the inventor; the assignee, Autocrat Inc., consenting. No. 2,522,930; disclaimer filed Mar. 19, 1952; v. 657; p. 631.

Chasar, Anthony R., Cleveland, Ohio. Disclaimer filed by the assignee, The Oster Manufacturing Company. No. 2,508,109; disclaimer filed Sept. 16, 1952; v. 663; p. 592.

Cherry, Lloyd B., Beaumont, Tex. Disclaimer filed by the assignee, Minneapolis-Honeywell Regulator Company. No. 2,489,999; disclaimer filed Apr. 2, 1952; v. 658; p. 318.

Cherry, Walter L., Jr., Northbrook, Ill. Disclaimer filed by the inventor and the assignee, Zenith Radio Corporation. No. 2,538,554; disclaimer filed Dec. 22, 1951; v. 655; p. 611.

Coberly, Clarence J., Los Angeles, Calif. Disclaimer filed by the assignee, Dresser Equipment Company. No. 2,081,223; disclaimer filed Dec. 17, 1951; v. 654; p.. 922.

Coberly, Clarence J., Los Angeles, Calif. Disclaimer filed by the assignee, Dresser Equipment Co. No. 2,473,864; disclaimer filed Sept. 3, 1952; v. 662; p. 1207.

Cook, Elmer W., New York, N. Y., and William D. Thomas, Jr., Stanford, Conn. Disclaimer filed by the assignee, Roger T. McLean. No. 2,316,739; disclaimer filed May 20, 1952; v. 660; p. 9.

Cooper, Joseph H., San Francisco, Calif. Disclaimer filed by the assignee, E. I. du Pont de Nemours & Company. No. 2,508,447; disclaimer filed Jan. 14, 1952; v. 655; p. 298.

Cretors, Charles J., Highland Park, Ill. Disclaimer filed by the inventor. No. 2,528,265; disclaimer filed Oct. 9, 1952; v. 664; p. 10.

Dehmel, Richard C., Summit, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,471,315; disclaimer filed Dec. 21, 1951; v. 654; p. 922.

Delmar, Geza S., Montreal, Quebec, Canada. Disclaimer filed by the inventor. No. 2,588,090; disclaimer filed Nov. 6, 1952; v. 665; p. 647.

Deloraine, Edmond Maurice, New York, N. Y. Disclaimer filed by the assignee, International Standard Electric Corporation. No. 2,412,974; disclaimer filed Feb. 13, 1952; v. 656; p. 917.

Del Riccio, Lorenzo, Los Angeles, Calif. Disclaimer filed by the inventor. Re. No. 22,881; disclaimer filed June 14, 1952; v. 660; p. 813.

Dressel, Henry M., St. Marys, Pa. Disclaimer filed by the assignee, Stackpole Carbon Company. No. 2,497,662; disclaimer filed Mar. 27, 1952; v. 657; p. 946.

Dunn, Joseph A., St. Clair, Mich., and Frank G. Miller, Denville, N. J. Disclaimer filed by the assignee, General Foods Corporation. No. 2,489,758; disclaimer filed May 21, 1952; v. 659; p. 918.

Dunn, Joseph A., St. Clair, Mich., and Frank G. Miller, Denville, N. J. Disclaimer filed by the assignee, General Foods Corporation. No. 2,489,760; disclaimer filed May 21, 1952; v. 659; p. 918.

Emmert, Clayton F., and William H. Stouder, Newton, Iowa. Disclaimer filed by the inventors; the assignee, Automatic Washer Company, agreeing and consenting. No. 2,534,194; disclaimer filed Dec. 17, 1951; v. 654; p. 649.

Evans, John, Hightstown, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,470,550; disclaimer filed Mar. 12, 1952; v. 657; p. 631.

Fahnestock, Frank C., Manhasset, and Walter Ullrich, Pleasantville, N. Y. Disclaimer filed by the assignees, Socony-Vacuum Oil Company, Incorporated, owner of an undivided one-half interest, and the Lumas Company, owner of an undivided one-half interest. No. 2,434,843; disclaimer filed Jan. 21, 1952; v. 655; p. 611.

Ferngren, Enoch T., Jackson Heights, N. Y. Disclaimer filed by the assignee, Plax Corporation. No. 2,175,053; disclaimer filed July 7, 1952; v. 661; p. 13.

Fischer, Arthur F., New York, N. Y. Disclaimer filed by the inventor; the assignee, Minerec Corporation, assenting. No. 2,501,269; disclaimer filed Dec. 24, 1951; v. 654; p. 922.

Fromm, Kenneth N., Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,482,473; disclaimer filed June 26, 1952; v. 661; p. 13.

Fyler, George W., Stratford, Conn. Disclaimer filed by the assignee, General Electric Company. No. 2,469,875; disclaimer filed Jan. 31, 1952; v. 656; p. 8.

Gay, Paul Stead, Charlotte, Mich. Disclaimer filed by the assignee, Wilcox-Gay Corporation. No. 2,396,094; disclaimer filed Apr. 15, 1952; v. 658; p. 318.

Greenleaf, Nathaniel B., and Leonard C. Webster, Toronto, Ontario, Canada. Disclaimer filed by the assignee, Sponge Products Corporation. No. 2,515,403; disclaimer filed July 21, 1952; v. 661; p. 578.

Ham, George E., Dayton, Ohio. Disclaimer filed by the assignee, Monsanto Chemical Company. No. 2,498,605; disclaimer filed Apr. 7, 1952; v. 658; p. 318.

Hauck, Vernon D., Towson, William L. W. Ogden, Baltimore, and James R. Cosby, Towson, Md. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,604,582; disclaimer filed Sept. 8, 1952; v. 662; p. 1207.

Herman, Clairmont J., Fort Wayne, Ind. Disclaimer filed by the assignee, General Electric Company. No. 2,443,455; disclaimer filed Mar. 15, 1952; v. 657; p. 631.

Herr, Donald L., New York, N. Y. Disclaimer filed by the assignee, Control Instrument Company, Inc. No. 2,541,247; disclaimer filed Sept. 8, 1952; v. 662; p. 1207.

Hildebrandt, Alexander B., Tulsa, Okla. Disclaimer filed by the assignee, Standard Oil Development Company. No. 2,552,428; disclaimer filed Feb. 27, 1952; v. 657; p. 7.

Hill, George B., and Frank D. Jones, Ottumwa, Iowa. Disclaimer filed by the assignee, Deere Manufacturing Co. No. 2,545,579; disclaimer filed Mar. 17, 1952; v. 657; p. 946.

Himes, Ross A., Piedmont, Calif. Disclaimer filed by the assignee, Nolox Company of America. No. 2,243,421; disclaimer filed Dec. 4, 1952; v. 665; p. 1342.

Hoeppner, Conrad H., Washington, D. C., Henry R. Murphy, Providence, R. I., and Neil Clark, Jr., U. S. Navy. Disclaimer filed by the inventors. No. 2,562,915; disclaimer filed Mar. 25, 1952; v. 657; p. 1264.

Hoffer, Temple P., Dallas, Tex. Disclaimer filed by the inventor and the assignee, Otis Pressure Control, Inc. No. 2,522,825; disclaimer filed Jan. 21, 1952; v. 655; p. 611.

Hoffer, Temple P., Dallas, Tex. Disclaimer filed by the inventor and the assignee, Otis Pressure Control, Inc. No. 2,522,825; disclaimer filed July 19, 1952; v. 661; p. 334.

Hurd, Dallas T., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,537,763; disclaimer filed Jan. 10, 1952; v. 656; p. 8.

Iams, Harley A., Princeton, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,442,951; disclaimer filed Sept. 10, 1952; v. 663; p. 9.

Kampmeier, Frederick J., Rockford, Ill. Disclaimer filed by the assignee, The Ingersoll Milling Machine Company. No. 2,160,476; disclaimer filed Nov. 21, 1952; v. 665; p. 994.

Kannenberg, Walter F., Gillette, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,508,029; disclaimer filed Apr. 10, 1952; v. 658; p. 9.

Kasperowicz, Henry, Passaic, N. J. Disclaimer filed by the assignee, Allen B. Du Mont Laboratories, Inc.; the inventor assenting and agreeing. No. 2,508,267; disclaimer filed Dec. 24, 1951; v. 655; p. 611.

Kather, Erich Nevin, South Lincoln, Mass. Disclaimer filed by the assignee, Raytheon Manufacturing Company. No. 2,462,869; disclaimer filed Oct. 20, 1952; v. 664; p. 687.

Kendall, William B., and George D. Hill, Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,541,472; disclaimer filed Aug. 26, 1952; v. 662; p. 1207.

Kenyon, David E., Smithtown, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,442,770; disclaimer filed Sept. 30, 1952; v. 663; p. 592.

King, John A., Albany, N. Y. Disclaimer filed by the assignee, Sterling Drug Inc. No. 2,530,065; disclaimer filed Mar. 28, 1952; v. 657; p. 1264.

Klemperer, Hans, Belmont, Mass. Disclaimer filed by the assignee, Raytheon Manufacturing Company. No. 2,469,231; disclaimer filed July 22, 1952; v. 661; p. 578.

Kyle, William D., Jr., Milwaukee, and Carl Schindler, Wauwatosa, Wis. Disclaimer filed by the assignee, McGraw Electric Company. No. 2,468,498; disclaimer filed June 10, 1952; v. 660; p. 503.

Lange, Ludwig H., Philadelphia, Pa. Disclaimer filed by the assignee, Stokes and Smith Company. No. 2,144,338; disclaimer filed Feb. 6, 1952; v. 656; p. 8.

Larrabee, Clinton E., Binghamton, N. Y. Disclaimer filed by the assignee, International Business Machines Corporation. No. 2,569,815; disclaimer filed July 18, 1952; v. 661; p. 334.

Larson, Alfred O., Grand Rapids, Mich. Disclaimer filed by the assignee, American Seating Company. No. 2,434,857; disclaimer filed June 30, 1952; v. 660; p. 1113.

Levkoff, David, Brooklyn, N. Y. Disclaimer filed by the inventor and the assignees, Evelyn G. Levkoff, Henry S. Levkoff, and Edith Rose Levkoff. No. 2,342,551; disclaimer filed Mar. 14, 1952; v. 657; p. 7.

Linder, Ernest G., Princeton, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,517,120; disclaimer filed Apr. 29, 1952; v. 659; p. 10.

Lord, Harold W., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,509,005; disclaimer filed July 19, 1952; v. 661; p. 578.

Mayrath, Martin, Dodge City, Kans. Disclaimer filed by the assignee, Mayrath Machinery Company, Inc. No. 2,483,290; disclaimer filed Sept. 11, 1952; v. 663; p. 9.

McIntosh, Frank H., Chevy Chase, Md. Disclaimer filed by the inventor. No. 2,545,788; disclaimer filed May 23, 1952; v. 659; p. 918.

Merrill, Marcellus S., Denver, Colo. Disclaimer filed by the inventor. No. 2,042,856; disclaimer filed Oct. 15, 1952; v. 664; p. 10.

Miller, Glenn H., Rochester, and James A. Krumhansl, Penfield, N. Y. Disclaimer filed by the assignee, Stromberg-Carlson Company. No. 2,484,352; disclaimer filed Aug. 18, 1952; v. 662; p. 1207.

Mitchell, Wallace F., Chicago, Ill. Disclaimer filed by the assignee, M B G Corporation. No. 2,509,444; disclaimer filed May 24, 1952; v. 659; p. 918.

Moore, Raymond D., Worcester, and Robert W. Bordewieck, Wellesley, Mass. Disclaimer filed by the assignee, Moore Electronic Laboratories, Incorporated. No. 2,493,307; disclaimer filed Oct. 25, 1952; v. 664; p. 687.

Morris, Joseph W., Kermit, Tex. Disclaimer filed by the inventor. No. 2,560,733; disclaimer filed July 25, 1952; v. 661; p. 578.

Moyer, George, Chicago, Ill. Disclaimer filed by the assignee, Riley Stoker Corporation. No. 2,110,452; disclaimer filed Apr. 22, 1952; v. 658; p. 936.

Mueller, Robert J., Milwaukee, and Ivan Burgeson, West Allis, Wis. Disclaimer filed by the assignee, General Electric Company. No. 2,552,858; disclaimer filed May 21, 1952; v. 659; p. 918.

Munson, Wilden A., Chatham, and John C. Steinberg, Short Hills, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,418,136; disclaimer filed Oct. 11, 1952; v. 664; p. 10.

Nichol, Arthur V., Elkins Park, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,563,952; disclaimer filed Apr. 14, 1952; v. 658; p. 318.

Nienaber, Frank, Chicago, Martin Henderson, Libertyville, and Emil L. Ranseen and Chester W. Lytle, Chicago, Ill. Disclaimer filed by the assignee, Lytle Engineering & Manufacturing Company. No. 2,558,454; disclaimer filed Oct. 31, 1952; v. 665; p. 14.

Nierhaus, Henry, Scarsdale, N. Y. Disclaimer filed by the assignee, Stoffel Seals Corporation. No. 2,590,883; disclaimer filed June 13, 1952; v. 660; p. 503.

Norton, Lowell E., Princeton Junction, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,453,532; disclaimer filed Oct. 14, 1952; v. 664; p. 10.

Overbeck, Wilcox P., Waltham, Mass. Disclaimer filed by the assignee, Research Corporation. No. 2,404,918; disclaimer filed May 1, 1952; v. 658; p. 936.

Owen, Herbert L., Los Angeles, Calif. Disclaimer filed by the assignee, Shingle Products Patents Inc. No. 2,259,962; disclaimer filed Oct. 6, 1952; v. 663; p. 592.

Owen, Herbert L., Los Angeles, Calif. Disclaimer filed by the assignee, Shingle Products Patents, Inc. No. 2,346,450; disclaimer filed June 2, 1952; v. 660; p. 503.

Pierce, Robert C., Niles, Mich. Disclaimer filed by the assignee, National-Standard Company. No. 2,567,347; disclaimer filed Nov. 1, 1952; v. 665; p. 14.

Plagge, Vernon L., East Orange, N. J. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,464,990; disclaimer filed Mar. 5, 1952; v. 657; p. 330.

Poupitch, Ougljesa Jules, Chicago, Ill. Disclaimer filed by the assignee, Illinois Tool Works; the inventor consenting and concurring. No. 2,515,895; disclaimer filed Jan. 29, 1952; v. 656; p. 8.

Powers, James H., Westport, Conn. Disclaimer filed by the assignee, General Electric Company. No. 2,469,205; disclaimer filed June 21, 1952; v. 660; p. 1113.

Price, Earl R., South Bend, Ind. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,557,795; disclaimer filed July 2, 1952; v. 661; p. 13.

Raynolds, James Wallace, Pittsburgh, Pa. Disclaimer filed by the assignee, Hercules Powder Company. No. 2,339,945; disclaimer filed May 9, 1952; v. 659; p. 10.

Reed, Clarence E., Wichita, Kans. Disclaimer filed by the inventor; the assignee, Chicago Pneumatic Tool Company, concurring. No. 2,047,110; disclaimer filed Feb. 19, 1952; v. 656; p. 917.

Reed, Clarence E., Wichita, Kans. Disclaimer filed by the inventor; the assignee, Chicago Pneumatic Tool Company, concurring. No. 2,065,742; disclaimer filed Feb. 19, 1952; v. 656; p. 917.

Rice, Philip K., Kenmore, N. Y. Disclaimer filed by the assignee, Union Carbide and Carbon Corporation. No. 2,464,891; disclaimer filed Jan. 16, 1952; v. 655; p. 611.

Ridgley, Charles H., Marblehead, and Herbert H. Andersen, Beverly, Mass., and Francis W. Truesdell, Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,476,063; disclaimer filed Nov. 14, 1952; v. 665; p. 647.

Rindfleisch, Arthur G., Cincinnati, Ohio. Disclaimer filed by the assignee, General Motors Corporation. No. 2,257,126; disclaimer filed Feb. 4, 1952; v. 656; p. 590.

Roehm, Erwin G., Norwood, and Millard Romaine, Cincinnati, Ohio. Disclaimer filed by the assignee, The Cincinnati Milling Machine Co. No. 2,068,889; disclaimer filed May 23, 1952; v. 659; p. 918.

Roth, Lawrence J., and Anthony J. Miller, Rochester, N. Y. Disclaimer filed by the inventors. No. 2,551,706; disclaimer filed Oct. 29, 1952; v. 665; p. 14.

Rupp, Herbert E., Mansfield, Ohio. Disclaimer filed by the assignee, The Gorman-Rupp Company. No. 2,461,925; disclaimer filed Mar. 18, 1952; v. 657; p. 631.

Russell, Robert C., Cleveland Heights, Ohio. Disclaimer filed by the assignee, Eaton Manufacturing Company. No. 2,462,779; disclaimer filed Feb. 23, 1952; v. 657; p. 330.

Schieber, Robert E., Detroit, Mich. Disclaimer filed by the assignee, Schieber Manufacturing Company. No. 2,131,675; disclaimer filed Sept. 23, 1952; v. 663; p. 592.

Schieber, Robert E., Detroit, Mich. Disclaimer filed by the assignee, Schieber Manufacturing Company. No. 2,203,394; disclaimer filed Sept. 23, 1952; v. 663; p. 592.

Schmitt, Heins E., Patterson Field, Ohio. Disclaimer filed by the inventor. No. 2,520,967; disclaimer filed Feb. 26, 1952; v. 656; p. 917.

Schoenbaum, Joseph R., Roseland, N. J. Disclaimer filed by the inventor and the assignee, Martin Elevator Company, Inc. No. 2,514,342; disclaimer filed June 21, 1952; v. 660; p. 1113.

Schreyer, Edward P., Ridgefield, Conn. Disclaimer filed by the inventor. No. 2,475,572; disclaimer filed July 11, 1952; v. 661; p. 334.

Sherborne, John E., Whittier, Calif. Disclaimer filed by the assignee, Union Oil Company of California. No. 2,564,861; disclaimer filed Nov. 17, 1952; v. 665; p. 994.

Shoemaker, Malcolm G., Doylestown, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,607,200; disclaimer filed Sept. 27, 1952; v. 663; p. 592.

Siaulak, Michael S., Chicago, Ill. Disclaimer filed by the assignee, International Harvester Company. No. 2,518,389; disclaimer filed Sept. 27, 1952; v. 663; p. 592.

Sivitz, Aaron, Columbus, Ohio, and Philip L. Ruby, Jackson, Mich. Disclaimer filed by the assignee, Curtiss-Wright Corporation. No. 2,556,345; disclaimer filed Aug. 13, 1952; v. 662; p. 601.

Smith, Carl A., Ferguson, Mo. Disclaimer filed by the inventor; the assignee, Missouri Automatic Control Corporation, assenting. No. 2,548,324; disclaimer filed Dec. 27, 1951; v. 654; p. 922.

Smith, McDonald D., Washington, D. C., and Gorham F. Freer, Arlington, Va. Disclaimer filed by the assignee, Mueller Co. No. 2,482,696; disclaimer filed June 10, 1952; v. 660; p. 503.

Smoot, Charles H., Chicago, Ill. Disclaimer filed by the inventor; the assignee, Republic Flow Meters Company, consenting. No. 2,525,967; disclaimer filed Mar. 7, 1952; v. 657; p. 330.

Still, Conway L., Chester, S. C. Disclaimer filed by the assignee, The Springs Cotton Mills. No. 2,588,942; disclaimer filed July 31, 1952; v. 662; p. 1207.

Tangeman, William H., and James R. Campbell, Ontario, Calif. Disclaimer filed by the assignee, General Electric Company. No. 2,422,505; disclaimer filed Apr. 11, 1952; v. 658; p. 318.

Utter, Raymond E., and Delbert Henry Stoltenberg, Toledo, Ohio. Disclaimer filed by the assignee, The Electric Auto-Lite Company. No. 2,436,462; disclaimer filed May 16, 1952; v. 659; p. 311.

Vaughan, Sam G., Harlingen, Tex., Eugene F. Grant, Arlington, Mass., and William Altar and Marcus W. Dodd, Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,484,256; disclaimer filed June 25, 1952; v. 660; p. 1113.

Wallace, Marcel, Fairfield County, Conn. Disclaimer filed by the inventor, doing business as Panoramic Laboratories. No. 2,535,107; disclaimer filed Feb. 7, 1952; v. 656; p. 590.

Webb, Donald R., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,517,150; disclaimer filed Nov. 2, 1951; v. 655; p. 298.

West, Paul B., Saco, Maine. Disclaimer filed by the assignee, Saco-Lowell Shops. No. 2,600,037; disclaimer filed Aug. 8, 1952; v. 662; p. 601.

Williams, Samuel B., Brooklyn, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,502,360; disclaimer filed Nov. 23, 1951; v. 654; p. 649.

Wilson, William W., Memphis, Tenn. Disclaimer filed by the inventor. No. 2,437,580; disclaimer filed Feb. 18, 1952; v. 656; p. 917.

Young, Norman H., Jr., Jackson Heights, N. Y. Disclaimer filed by the assignee, Federal Telephone and Radio Corporation. No. 2,401,384; disclaimer filed Dec. 8, 1951; v. 654; p. 649.

Youngs, Arthur M., Trenton, and James S. Ballantine, Absecon, N. J. Disclaimer filed by the assignee, Youngs Rubber Corp. of N. J. No. 2,244,591; disclaimer filed Feb. 6, 1952; v. 656; p. 590.

1952

PATENTS EXTENDED

UNDER VETERANS PATENT EXTENSION ACT

Public Law 598, 81st Congress, approved June 30, 1950; 64 Stat. 316

Anderson, Miles, Pat. No. 2,233,119, issued Feb. 25, 1941; extended for 6 years and 106 days.

Arthur, Charles J., Pat. No. 2,289,859, issued July 14, 1942; extended for 6 years and 88 days.

Atkeson, Florian V., Re. Pat. No. 23,245, issued July 4, 1950; extended for 3 years and 315 days.

Bodle, William P., Pat. No. 2,135,098, issued Nov. 1, 1938; extended for 4 years and 147 days.

Bonner, Ernest N., Pat. No. 2,127,715, issued Aug. 23, 1938; extended for 2 years and 263 days.

Buckman, Henry H., Pat. No. 1,871,877, issued Aug. 16, 1932; extended for 6 years and 214 days.

Buhr, Victor, Pat. No. 1,930,414, issued Oct. 10, 1933; extended for 5 years and 152 days.

Caskey, Floyd G., Pat No. 1,961,871, issued June 5, 1934; extended for 7 years and 131 days.

Clabeaux, Robert J., Pat. No. 2,142,436, issued Jan. 3, 1939; extended for 6 years and 30 days.

Cox, George Chandler, Pat. No. 2,200,469, issued May 14, 1940; extended for 6 years and 191 days.

Crompton, George, Jr., Pat. No. 1,980,666, issued Nov. 13, 1934; extended for 6 years and 63 days.

Crompton, George, Jr., Pat. No. 2,343,135, issued Feb. 29, 1944; extended for 2 years and 254 days.

Davidson, Walter S., Pat. No. 1,991,597, issued Feb. 19, 1935; extended for 2 years and 287 days.

De Mark, Nicholas, Pat. No. 2,039,065, issued Apr. 28, 1936; extended for 5 years and 360 days.

Dvorak, August, et al., Pat. No. 2,040,248, issued May 12, 1936; extended for 6 years and 93 days.

Eason, Sidney Lanier, Pat. No. 2,003,503, issued June 4, 1935; extended for 6 years and 57 days.

Eason, Sidney Lanier, Pat. No. 2,215,349, issued Sept. 17, 1940; extended for 6 years and 57 days.

Ettinger, Ralph, Pat. No. 1,883,657, issued Oct. 18, 1934; extended for 6 years and 199 days.

Garth, Ernest D. G., Pat. No. 2,258,605, issued Oct. 14, 1941; extended for 7 years and 173 days.

Jones, Clifford C., Pat. No. 2,019,819, issued Nov. 5, 1935; extended for 6 years and 91 days.

Jones, Clifford C., Pat. No. 2,078,854, issued Apr. 27, 1937; extended for 6 years and 90 days.

Keyes, Harmon E., Re. Pat. No. 21,215, issued Sept. 26, 1939; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 1,823,831, issued Sept. 15, 1931; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 1,928,728, issued Oct. 3, 1933; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 1,952,675, issued Mar. 27, 1934; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 1,971,416, issued Aug. 28, 1934; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 2,009,667, issued July 30, 1935; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 2,036,578, issued Apr. 7, 1936; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 2,070,133, issued Feb. 9, 1937; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 2,070,134, issued Feb. 9, 1937; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 2,130,278, issued Sept. 13, 1938; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 2,304,178, issued Dec. 8, 1942; extended for 4 years and 81 days.

Keyes, Harmon E., Pat. No. 2,332,647, issued Oct. 26, 1943; extended for 2 years and 168 days.

Klipsch, Paul W., Pat. No. 2,310,243, issued Feb. 9, 1943; extended for 6 years and 120 days.

Kottes, George Leonidas, Pat. No. 2,116,028, issued May 3, 1938; extended for 7 years and 173 days.

Kottes, George Leonidas, Pat. No. 2,296,999, issued Sept. 29, 1942; extended for 5 years and 311 days.

Lohman, Ralph W., Pat. No. 1,739,513, issued Dec. 17, 1929; extended for 5 years and 298 days.

Miller, Thomas G., Pat. No. 2,158,078, issued May 16, 1939; extended for 7 years and 174 days.

Miller, Thomas G., Pat. No. 2,158,079, issued May 16, 1939; extended for 7 years and 174 days.

Miller, Thomas G., Pat. No. 2,275,454, issued Mar. 10, 1942; extended for 6 years and 352 days.

Moore, Howard Nelson, Pat. No. 2,270,686, issued Jan. 20, 1942; extended for 7 years and 17 days.

Morehouse, Terry Bryan, Pat. No. 2,042,353, issued May 26, 1936; extended for 5 years and 38 days.

Pearl, Harmon H., Pat. No. 2,045,248, issued June 23, 1936; extended for 5 years and 86 days.

Reyniers, James A., Pat. No. 2,185,711, issued Jan. 2, 1940; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,219,364, issued Oct. 29, 1940; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,244,082, issued June 3, 1941; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,248,199, issued July 8, 1941; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,335,697, issued Nov. 30, 1943; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,369,980, issued Feb. 20, 1945; extended for 292 days.

Reyniers, James A., Pat. No. 2,369,981, issued Feb. 20, 1945; extended for 292 days.

Richards, Arthur J., Pat. No. 2,265,613, issued Dec. 9, 1941; extended for 6 years and 210 days.

Rowley, Charles A., Des. Pat. No. 109,647, issued May 10, 1938; extended for 5 years and 216 days.

Rowley, Charles A., Pat. No. 1,845,522, issued Feb. 16, 1932; extended for 5 years and 216 days.

Rowley, Charles A., Pat. No. 1,915,869, issued June 27, 1933; extended for 5 years and 216 days.

Rowley, Charles A., Pat. No. 2,023,451, issued Dec. 10, 1935; extended for 5 years and 216 days.

Salembier, Maurice Albert, Jr., Pat. No. 2,123,971, issued July 19, 1938; extended for 6 years and 32 days.

Sands, William Hupp, Pat. No. 2,129,627, issued Sept. 6, 1938; extended for 6 years and 30 days.

Satterthwait, Charles S., Pat. No. 1,969,279, issued Aug. 7, 1934; extended for 6 years and 234 days.

Schuppner, Harry R., Pat. No. 2,197,160, issued Apr. 16, 1940; extended for 7 years and 173 days.

Shively, John J., Pat. No. 2,071,903, issued Feb. 23, 1937; extended for 5 years and 38 days.

Shively, John J., Pat. No. 2,115,431, issued Apr. 26, 1938; extended for 5 years and 38 days.

Silverman, Sebet, Pat. No. 2,065,406, issued Dec. 22, 1936; extended for 3 years and 320 days.

Stemme, Norman J., Pat. No. 2,288,044, issued June 30, 1942; extended for 7 years and 79 days.

Thomas, Raymond G., Pat. No. 1,724,785, issued Aug. 13, 1929; extended for 7 years and 147 days.

Thompson, Milton T., Pat. No. 1,971,057, issued Aug. 21, 1934; extended for 11 months and 25 days.

Truesdall, John S., Pat. No. 2,115,969, issued May 3, 1939; extended for 5 years and 55 days.

Vaughn, Sidney P., Pat. No. 2,114,891, issued Apr. 19, 1938; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,114,892, issued Apr. 19, 1938; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,150,196, issued Mar. 14, 1939; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,153,601, issued Apr. 11, 1939; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,163,638, issued June 27, 1939; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,165,319, issued July 11, 1939; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,186,050, issued Jan. 9, 1940; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,210,967, issued Aug. 13, 1940; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,229,147, issued Jan. 21, 1951; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,255,091, issued Sept. 9, 1941; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,298,320, issued Oct. 13, 1942; extended for 5 years and 283 days.

Vaughn, Sidney P., Pat. No. 2,313,787, issued Mar. 16, 1943; extended for 4 years and 341 days.

Vaughn, Sidney P., Pat. No. 2,358,673, issued Sept. 19, 1944; extended for 1 year and 331 days.

Walker, Brooks, Re. Pat. No. 18,904, issued July 25, 1933; extended for 6 years and 214 days.

Walker, Brooks, Re. Pat. No. 20,707, issued Apr. 26, 1938; extended for 6 years and 214 days.

Walker, Brooks, Pat. No. 1,742,566, issued Jan. 7, 1930; extended for 6 years and 214 days.

Walker, Brooks, Pat. No. 1,853,326, issued Apr. 12, 1932; extended for 6 years and 214 days.

Walker, Brooks, Pat. No. 1,884,932, issued Oct. 25, 1932; extended for 6 years and 214 days.

Walker, Brooks, Pat. No. 1,884,933, issued Oct. 25, 1932; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,984,951, issued Feb. 27, 1934; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,990,150, issued Feb. 5, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,002,724, issued May 28, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,005,173, issued June 18, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,016,619, issued Oct. 8, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,075,877, issued Apr. 6, 1937; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,077,135, issued Apr. 13, 1937; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,131,306, issued Sept. 27, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,136,570, issued Nov. 15, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,139,341, issued Dec. 6, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,158,736, issued May 16, 1939; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,180,024, issued Nov. 14, 1939; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,276,896, issued Mar. 17, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,276,897, issued Mar. 17, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,276,898, issued Mar. 17, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,301,485, issued Nov. 10, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,311,716, issued Feb. 23, 1943; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,337,074, issued Dec. 21, 1943; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,355,931, issued Aug. 15, 1944; extended for 6 years and 214 days.
Weisbender, Eugene R., Pat. No. 2,288,970, issued July 7, 1942; extended for 5 years and 189 days.
White, Albert, Pat. No. 1,958,556, issued May 15, 1934; extended for 4 years and 25 days.
Womack, David R., Pat. No. 2,319,837, issued May 25, 1943; extended for 6 years and 169 days.
Zank, Donald G., Pat. No. 2,284,352, issued May 26, 1942; extended for 4 years and 47 days.

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LIST OF INVENTIONS

This list includes reissue inventions

A/N range system simulator. E. T. Heald. 2,621,425, Dec. 16.
Abdominal supporting belt. F. S. Ericsson. 2,587,450, Feb. 26.
Abdominal supporting truss. A. F. Ballstrieri. 2,605,762, Aug. 5.
Aberration corrector member for image forming optical objectives. E. D. Tillyer and A. H. Bennett. 2,596,799, May 13.
Abrading. E. L. Dryer. 2,598,679, June 3.
Abrading. L. A. Martin. 2,621,450, Dec. 16.
Abrading. L. A. Martin, T. J. Miller, and L. A. Wright. 2,621,449, Dec. 16.
Abrading apparatus. W. L. Keefer. 2,582,702, Jan. 15.
Abrading apparatus. W. A. Rosenberger and W. L. Keefer. 2,590,576, Mar. 25.
Abrading device. A. C. Hodgson. 2,580,917, Jan. 1.
Abrading machine. R. H. Cramer. 2,591,784, Apr. 8.
Abrading machine. G. A. Russell. 2,592,071, Apr. 8.
Abrading machine shoe construction. G. H. Plancon, P. R. Baker, and D. F. McFall. 2,618,913, Nov. 25.
Abrading roll. L. M. Kubaugh. 2,581,934, Jan. 8.
Abrading unit. E. H. White. 2,597,421, May 20.
Abrading unit. E. H. White. 2,599,961, June 10.
Abrasion resistance tester. D. M. Packer. 2,584,156, Feb. 5.
Abrasion resistant electric cable. W. H. Benton, Jr. 2,614,147, Oct. 14.
Abrasion resistant wire enamels. E. Q. Bullock, Jr., and F. J. Emig. 2,615,001, Oct. 21.
Abrasion testing machine. G. F. Blackburn and E. R. Paul. 2,582,223, Jan. 15.
Abrasion testing machine. C. A. Rounds and P. A. Nester. 2,591,722, Apr. 8.
Abrasion type hulling machine. B. Keller. 2,618,307, Nov. 18.
Abrasive article. J. A. Thomas, Jr. 2,609,285, Sept. 2.
Abrasive articles. C. E. Wooddell, G. V. Nimwegen, and E. T. Hager. 2,599,506, June 3.
Abrasive belt and manufacturing same, Endless. D. S. Grove. 2,590,897, Mar. 25.
Abrasive belt attachment for abrasive wheel machines. R. M. Bell. 2,612,007, Sept. 30.
Abrasive block or segment. A. S. Titcomb. Re. 23,558, Sept. 30.
Abrasive cutoff wheel. J. D. Hough. 2,616,230, Nov. 4.
Abrasive head. G. W. Bruner. 2,601,499, June 24.
Abrasive head. G. W. Bruner and J. C. Shaffer. 2,600,613, June 17.
Abrasive holding hand tool. R. N. Macdonell. 2,605,594, Aug. 5.
Abrasive lime bar. A. E. Chester and C. L. Ricketts. 2,606,829, Aug. 12.
Abrasive polishing wheel. H. M. Field. 2,608,804, Sept. 2.
Abrasive tool. A. Field. 2,622,377, Dec. 23.
Abrasive wheel. H. V. Allison. 2,616,229, Nov. 4.
Absolute pressure controlling apparatus. C. F. Wallace and J. O. Kirwan. 2,599,956, June 10.
Absorbent body for electromagnetic waves. W. W. Salisbury. 2,599,944, June 10.
Absorbent-covered furnace. K. K. Kearby. 2,609,060, Sept. 2.
Absorbent for purifying air. P. O. Rockwell and J. C. Goshorn. 2,612,434, Sept. 30.
Absorbent protective pad. L. A. Kay. 2,620,494, Dec. 9.
Absorbent soap rest. A. J. Russak. 2,620,502, Dec. 9.
Absorber for anesthetic gas machines. L. G. Fox. 2,614,561, Oct. 21.
Absorber for refrigerating apparatus. R. S. Gaugler. 2,583,769, Jan. 29.
Absorbing gases, including hydrogen sulfide. J. T. Jordan. 2,596,692, May 13.
Absorbing glass and making same. A. G. Pincus. 2,582,453, Jan. 15.
Absorbing glasses and making same. A. G. Pincus. 2,581,440, Jan. 8.
Absorbing ice pressure. J. F. Feck. 2,600,103, June 10.
Absorption dynamometer. P. Martin. 2,590,781, Mar. 25.
Absorption of ketene. J. E. Moise, W. D. Luening, and W. G. Daroux. 2,589,112, Mar. 11.
Absorption process and apparatus. C. H. O. Berg. 2,616,829, Nov. 4.
Absorption refrigerating apparatus. C. C. Coons. 2,597,777–8, May 20.
Absorption refrigerating apparatus. G. T. Piper. 2,597,813, May 20.
Absorption refrigeration. W. L. Bulkley. 2,598,035, May 27.
Absorption refrigeration. O. J. Dail. 2,598,037, May 27.
Absorption refrigeration. A. G. Gross. 2,587,996, Mar. 4.
Absorption refrigeration. W. G. Kögel. 2,580,440–1, Jan. 1.
Absorption refrigeration. W. G. Kögel. 2,580,443, Jan. 1.
Absorption refrigeration. W. G. Kögel. 2,587,629, Mar. 4.
Absorption refrigeration apparatus. W. G. Kögel. 2,599,562, June 10.
Absorption refrigeration apparatus and heating arrangement therefor. S. M. Bäckström. 2,581,347, Jan. 8.
Absorption refrigeration system. W. G. Kögel. 2,580,442, Jan. 1.
Acaricides. E. E. Gilbert. 2,618,583, Nov. 18.
Accelerated aging of cheese. F. H. Stark. 2,606,122, Aug. 5.
Accelerated settling of bleach impurities. J. O. Hinshaw 2,610,905, Sept. 16.
Accelerating the conditioning of textiles after drying. E. Honegger. 2,595,261, May 6.
Accelerating the growth of chicks. C. M. Ely. 2,604,401–2, July 22.
Acceleration - insensitive measuring instrument. M. Schlumberger and M. F. B. Picard. 2,623,083, Dec. 23.
Acceleration of vaporization of chlorine in a battery. E. A. Schumacher. 2,610,985, Sept. 16.
Acceleration responsive device, including means for indicating speed and/or distance. E. V. Sundt. 2,622,865, Dec. 23.
Accelerator brake control. C. R. Adams, R. C. Sherwood and B. D. Mouron. 2,610,716, Sept. 16.
Accelerator controlling device. C. J. Bianca, Sr. Re. 23,520, July 15.
Accelerator footrest for automotive vehicles. C. H. Schetser. 2,612,060, Sept. 30.
Accelerator pedal switch. Z. A. Bruegger. 2,623,135, Dec. 23.
Accelerometer. R. D. Hancock. 2,605,094, July 29.
Accelerometer. T. H. Wiancko. 2,618,776, Nov. 18.
Accessory and counterbalance drive for power plants. J. S. Hasbrouck. 2,595,942, May 6.
Accessory control system. A. Rappl. 2,609,665, Sept 9.
Accessory for automatic lathes. A. Bechler. 2,619,711, Dec. 2.
Accessory for automotive vehicles. E. J. Karsch. 2,584,883, Feb. 5.
Accessory for curtain drapes. O. Lipets. 2,587,492, Feb. 26.
Accessory for use with telephones. S. C. Chesick. 2,595,054, Apr. 29.
Accessory heater device usable on cooking stove burner. A. E. Egbert. 2,596,329, May 13.
Accessory hydraulic adjuster. E. A. Rockwell. 2,593,192, Apr. 15.
Accessory side slope blade for bulldozers. O. A. Burggren. 2,594,727, Apr. 29.
Accessory system. A. Rappl. 2,597,672, May 20.
Accessory system for motor vehicles. A. Rappl. 2,583,120, Jan. 22.
Accordion. R. R. Rieschick. 2,588,881, Mar. 11.
Accordion bellows construction. E. C. Sloan. 2,583,308, Jan. 22.
Accordion, Child's. D. J. Rosenheim. 2,603,120, July 15.
Accordion with reedless wind instruments. W. Borzage. 2,599,088, June 3.
Accounting and filing system. H. Weston. 2,584,174, Feb. 5.
Accounting apparatus. A. H. Dickinson. 2,580,741, Jan. 1.
Accounting apparatus. J. C. Nelson. 2,623,762, Dec. 30.
Accounting device. C. L. Andrew. 2,580,390, Jan. 1.
Accounting device. T. S. Skillman and A. D. Lackey. 2,597,538, May 20.
Accounting machine. M. M. Goldberg. 2,584,864, Feb. 5.
Accounting machine. M. A. Goodbar, E. H. Placke, and C. G. Falkner. 2,616,623, Nov. 4.
Accounting machine control means. W. A. Anderson. 2,612,315, Sept. 30.
Accounting machine, Electronic. C. F. Rench. 2,591,007, Apr. 1.
Accounting sheet. F. W. Trumbull and R. C. Howard. 2,599,673, June 10.
Accumulator. S. C. Collins. 2,586,207, Feb. 19.
Accumulator. D. J. Weber. 2,592,836, Apr. 15.

Accumulator. V. O. Wilkerson. 2,580,870, Jan. 1.
Accumulator state control positioning mechanism. R. E. Boyden. 2,583,810, Jan. 29.
Accuracy shooting rest with recoil absorbing means. W. E. Leek. 2,599,265, June 3.
Accurately checking contours, Means for. G. C. Nebesar and R. N. Cummer. 2,623,293, Dec. 30.
Acetals, Production of. R. L. Adelman. 2,586,139, Feb. 19.
Acetic acid solutions of cellulose acetate, Preparation of. W. A. Resch and J. S. Carruthers. 2,607,703, Aug. 19.
Acetic anhydride, Manufacture of. A. Elce, H. M. Stanley, and K. H. W. Turck. 2,622,098, Dec. 16.
Acetoacetic acid amides, Manufacture of. W. Mueller. 2,615,917, Oct. 28.
Acetone-soluble, unsaturated interpolymers of a di-2-alkenyl maleate, a styrene, and a 2-alkenyl alcohol. P. O. Tawney. 2,606,172, Aug. 5.
Acetonyl alkylbenzyl dialkyl ammonium salts. S. Melamed and W. J. Croxall. 2,605,286, July 29.
Acetyl globin and preperation. H. N. Beniams. 2,597,432, May 20.
Acetylation of cellulose. E. F. Evans. 2,586,633, Feb. 19.
Acetylene generator. A. A. G. Magis. 2,581,871, Jan. 8.
Acetylene, Production of. H. A. Dutcher. 2,582,016, Jan. 8.
Acetylene, Solid. R. L. Hasche. 2,584,875, Feb. 5.
Acetylene solution. L. Lorenz. 2,599,649, June 10.
Acetylene-vinyl carboxylate copolymers. F. C. McGrew and P. S. Pinkney. 2,617,789, Nov. 11.
Acetylene welding reel. L. S. Roark. 2,606,067, Aug. 5.
Acetylenic compounds, Preparation of. P. J. Garner and D. A. Firth. 2,605,295, July 29.
Acid analyzer and controller. C. L. Persyn, Jr. 2,592,063, Apr. 8.
Acid and quaternary salts of polyamides. L. O. Gunderson. 2,583,772, Jan. 29.
Acid azo dyes. B. Gaspar and P. D. Dreyfuss. 2,612,496, Sept. 30.
Acid cleaner and detergent. G. E. Brissey and H. H. Young. 2,593,259, Apr. 15.
Acid-curing thermosetting resins containing esters of oxanilic acid as latent catalysts therefor. J. A. Yourtee. 2,606,880, Aug. 12.
Acid disazo dyestuffs. F. Frisch. 2,602,081, July 1.
Acid of the ascorbic acid type from a 2-keto-hexonic acid, Production of an. V. Ettel. 2,590,163, Mar. 25.
Acid refining of hydrocarbons. G. W. Edwards. 2,605,213, July 29.
Acid shampoo. A. W. Stephan. 2,599,665, June 10.
Acid-soluble cellulose derivatives, Preparation of. V. R. Grassie. 2,623,041, Dec. 23.
Acid-soluble cellulose derivatives, Preparation of. C. L. P. Vaughan. 2,623,042, Dec. 23.
Acidic polycarboxy esters of certain oxypropylated derivatives of styrene glycols and polystyrene glycols. M. De Groote. 2,602,088, July 1.
Acidizing packer. C. Ware. 2,585,706, Feb. 12.
Acoustic coupler for earphones. J. Volkmann. 2,584,402, Feb. 5.
Acoustic diaphragm. A. H. Johnson. 2,582,130, Jan. 8.
Acoustic diaphragms, Making. J. B. Brennan. 2,596,645, May 13.
Acoustic diaphragms, Making. F. B. Lenz. 2,605,855, Aug. 5.
Acoustic material which thermodynamically absorbs sound. L. L. Beranek. 2,595,047, Apr. 29.
Acoustic system, Directional. W. E. Kock. 2,580,439, Jan. 1.
Acoustic well logging. F. N. Tullos. 2,586,745, Feb. 19.
Acoustical appliance. K. J. Bailey. 2,619,866, Dec. 2.
Acoustical cloth. J. A. MacIntyre. 2,613,696, Oct. 14.
Acridone vat dyestuffs. W. Zerweck and E. Heinrich. 2,623,047, Dec. 23.
Acrolein and sulfur halide process to strengthen protein fibers. H. W. Jones, W. J. Thorsen and H. P. Lundgren. 2,583,574, Jan. 29.
Acrylamide, Preparation of. W. A. Raczynski. 2,615,918, Oct. 28.
Acrylamides, Production of. B. Phillips and P. S. Starcher. 2,587,209–10, Feb. 26.
Acrylate-maleate copolymers. H. T. Neher, W. L. Van Horne, and L. N. Bauer. 2,623,036, Dec. 23.
Acrylic acid and its anhydride, Preparation of. E. H. Specht, A. Neuman and H. T. Neher. 2,613,222, Oct. 7.
Acrylic acid ester, Manufacture of an. O. Albrecht and A. Maeder. 2,599,424, June 3.
Acrylic esters, Preparation of. H. T. Neher, E. H. Specht, and A. Neuman. 2,582,911, Jan. 15.
Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl P-phenyl catecholate. H. E. Albert and G. E. P. Smith, Jr. 2,581,910, Jan. 8.
Acrylonitrile-butadiene-1,3 copolymers stabilized by antimonyl pyrogallolate. H. E. Albert and G. E. P. Smith, Jr. 2,581,911, Jan. 8.
Acrylonitrile copolymers, Dyeable. G. E. Ham. 2,595,575, May 6.
Acrylonitrile-isobutylene copolymers and making same. W. R. Dunn. 2,606,176, Aug. 5.
Acrylonitrile itaconic monoester copolymers. G. F. D'Alelio. 2,583,325, Jan. 22.
Acrylonitrile polymer compositions. R. G. Beaman. 2,580,393, Jan. 1.
Acrylonitrile polymer dissolved in a dicarboxylic acid anhydride. J. V. Flanagan. 2,607,751, Aug. 19.
Acrylonitrile polymer solutions in a cyclic carbonate solvent containing a ketone as a discoloration inhibitor. H. A. Bruson. 2,601,255, June 24.
Acrylonitrile polymers. H. A. Bruson. 2,601,251, June 24.
Acrylonitrile polymers. H. A. Bruson. 2,601,256, June 24.
Acrylonitrile polymers stabilized with a mixture of an aluminum salt and a maleic acid derivative. R. J. Slocombe and G. L. Wesp. 2,617,784, Nov. 11.
Acrylonitrile, Production of. A. F. MacLean and D. E. Pickart. 2,621,204, Dec. 9.
Acrylonitrile protein derivatives. J. C. Cowan, C. D. Evans, and L. L. McKinney. 2,594,293, Apr. 29.
Acrylonitrile synthesis. E. W. Pietrusza and J. N. Cosby. 2,608,576, Aug. 26.
Action display device. C. L. Kee. 2,623,312, Dec. 30.
Action for key-operated musical instruments of percussion type. F. van den Bergh. 2,601,185, June 17.
Action producing means for musical instruments. H. S. Portogallo. 2,596,866, May 13.
Activated addition halogenation. H. B. Dykstra. 2,584,992, Feb. 12.
Activated carbon from distillers mash, Production of. P. J. Elving, E. Shoemaker, B. L. Kabacoff, and I. Nagelburg. 2,594,544, Apr. 29.
Activated form of alumina, Production of an. L. Schmerling. 2,595,415, May 6.
Activated sign. A. E. Millard. 2,610,424, Sept. 16.
Activating clay by roasting with admixed acid salts. G. R. Bond, Jr. 2,582,956, Jan. 22.
Activating labels, Method of and apparatus for. G. W. von Hofe. 2,613,007, Oct. 7.
Activation of oxalate metal coating compositions. R. C. Gibson. 2,617,749, Nov. 11.
Activator compositions and their use in emulsion polymerization. C. A. Uraneck, W. M. St. John, C. F. Fryling, and J. E. Troyan. 2,614,101, Oct. 14.
Actuating apparatus for sound system. P. L. Karr. 2,594,178, Apr. 22.
Actuating apparatus responsive to change in liquid level. C. F. Mahoney. 2,619,566, Nov. 25.
Actuating device. R. E. Sears. 2,583,800, Jan. 29.
Actuating device for record-playing turntables. R. Thorens. 2,606,455, Aug. 12.
Actuating element for reciprocable machine elements. E. F. Paxhia. 2,586,478, Feb. 19.
Actuating element for reciprocable machine elements. P. H. Taylor. 2,586,117, Feb. 19.
Actuating gas-discharge lamps. T. Curzon. 2,613,337, Oct. 7.
Actuating means for forging presses. A. K. Nowak. 2,594,204, Apr. 22.
Actuating mechanism. W. R. Clark. 2,603,096, July 15.
Actuating mechanism and support for bomb bay doors. W. Buchal and C. H. Cooke. 2,604,281, July 22.
Actuating mechanism for direction indicating signal for motor vehicles. F. F. Stube. 2,600,030, June 10.
Actuating mechanism for mechanical pencils. J. Gartenmann. 2,596,234, May 13.
Actuating mechanism for picking sticks. E. W. Shertz and R. S. Work. 2,582,761, Jan. 15.
Actuating mechanism for reciprocating carriages. R. E. Crossley. 2,613,541, Oct. 14.
Actuating mechanism for sliding doors of refrigerator cars. S. B. Haseltine. 2,583,646, Jan. 29.
Actuator for convertible vehicle tops. E. C. Horton. 2,581,660, Jan. 8.
Actuator for reciprocating well pumps. E. W. Mong and W. O. Anderson. 2,589,420, Mar. 18.
Actuator with dual drive. H. M. Geyer. 2,620,683, Dec. 9.
Acyclic olefinic acid condensation product of polyhydric alcohol compound. H. M. Ullmann, J. G. Smull, and E. Artim. 2,587,411, Feb. 26.
Acylaminochloranthraquinone thianthrene vat dyestuffs. P. Sutter and W. Kern. 2,583,448, Jan. 22.
Acylated amino acid silver salts. F. M. Whitacre and D. Van Praag. 2,596,631, May 13.
Acylated amino alcohol quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,384, Jan. 8.
Acylated methine dye compounds. G. J. Taylor and J. B. Dickey. 2,583,614, Jan. 29.
Acylated thiol esters from etiobilienic acid esters. G. A. Grant and C. von Seemann. 2,586,533, Feb. 19.
Acylation. M. Witte. 2,581,059, Jan. 1.
Acylation of dextran in formamide. A. R. Jeanes and C. A. Wilham. 2,587,623, Mar. 4.
Acylation of diarylguanidine salts of diamino dibenzothiophenedioxide sulfonic acids. H. Z. Lecher and D. R. Eberhart. 2,619,490, Nov. 25.
Acylation of polysaccharides in formamide. J. F. Carson. 2,589,226, Mar. 18.
Adapter. B. Rozett. 2,594,220, Apr. 22.
Adapter and handle for spray guns. S. J. Stone. 2,610,895, Sept. 16.
Adapter, Dual wheel single rim. D. P. Forbes and S. A. Malthaner. 2,599,248, June 3.
Adapter for connecting meat tenderizers to food choppers or the like. W. B. Bailey. 2,602,681, July 8.

Adapter for photographic flashlight bulbs. Light socket. A. Mastrangelo. 2,595,155, Apr. 29.
Adapter for screen cloth. D. A. Stewart. 2,606,608, Aug. 12.
Adapter for stokes litters. C. E. Cummiskey. 2,580,410, Jan. 1.
Adapter for truck wheel rims. A. C. Howley. 2,614,603, Oct. 21.
Adapter for two-wheel scrapers. R. G. Le Tourneau. 2,621,939, Dec. 16.
Adapter for typewriters. L. Jensen. 2,604,968, July 29.
Adapter for universal lever switches. R. Popp. 2,608,105, Aug. 26.
Adapter for use when filling the tubes of vehicle tires with liquid. W. Sullivan. 2,592,759, Apr. 15.
Adding alloys to metals. H. A. Reece. 2,595,292, May 6.
Adding emulsifying agents to prepared ice cream mixes. N. H. Nash. 2,587,369, Feb. 26.
Adding machine, Dial. E. T. Knopke. 2,586,058, Feb. 19.
Addition agent and mineral oil lubricant compositions containing the same. H. G. Smith and T. L. Cantrell. 2,593,496, Apr. 22.
Addition agents and mineral oil lubricant compositions containing the same. H. G. Smith and T. L. Cantrell. 2,603,600–2, July 15.
Addition of monobasic organic acids to the esters of monohydric alkynols. R. S. Towne. 2,594,827, Apr. 29.
Addition products of an amine and sulfone-activated ethylenic compounds. J. W. Schappel. 2,623,035, Dec. 23.
Addition products of hydrocyanic acid and acrylic acid nitrile, Manufacture of. J. Meyer. 2,623,882, Dec. 30.
Additive composition for sand molds and making same. B. P. Wallace. 2,622,963, Dec. 23.
Additive tension device. N. E. Klein. 2,595,270, May 6.
Address and file card, Combined. F. L. Wassell. 2,582,729, Jan. 15.
Address book, Note paper ejecting. R. Newman. 2,588,-152, Mar. 4.
Address listing device. H. L. Neilsen and A. Neustader. 2,598,819, June 3.
Address plate retaining means. C. L. Comegys and E. A. Haig. 2,600,972, June 17.
Addressing and like printing machines. T. E. F. Sanderson. 2,583,188, Jan. 22.
Adduct of dialkyl esters of an alkene phosphonic acid with hexachloro cyclopentadiene. E. C. Ladd. 2,622,096, Dec. 16.
Adduct of thiourea and chloropicrin and its use as a pesticide. L. Rosenstein and M. H. Gorin. 2,600,431, June 17.
Adducts of bisnorcholatrienic-22-aldehydes. R. H. Levin. 2,620,337, Dec. 2.
Adducts of 5,7,9(11)-pregnatrien-3,20-dione. R. H. Levin, A V. McIntosh, Jr., and G. B. Spero. 2,617,802, Nov. 11.
Adducts of 9,11-oxido-5,7-pregnadien-3,20-dione. R. H. Levin, A V. McIntosh, Jr., and G. B. Spero. 2,617,801, Nov. 11.
Adducts of 22-acyloxybisnor-5,7,9(11),20(22)-cholatetraenes. R. H. Levin and A. V. McIntosh, Jr. 2,620,338, Dec. 2.
Adducts, Preparing. J. Dazzi. 2,598,634–5, May 27.
Adenosinetriphosphoric acid and its salt, Preparation of. C. V. Smythe and L. A. Robb. 2,606,899, Aug. 12.
Adherent dish. B. A. Haydu. 2,623,369, Dec. 30.
Adhering fabric to rubber. C. W. Brees. 2,611,721, Sept. 23.
Adhering polyvinyl chloride coatings to nylon fabric. H. A. Van Etten. 2,606,845, Aug. 12.
Adhering silicone rubber to copper. R. Smith-Johannsen. 2,601,336, June 24.
Adhesive applicator for corrugating machines. G. N. Rullo. 2,589,966, Mar. 18.
Adhesive applying apparatus for cigarette making machines. W. E. Wray. 2,606,521, Aug. 12.
Adhesive applying means for coating receptacle closure caps. J. C. and W. H. Johnson. 2,601,843, July 1.
Adhesive applying means for coating the flaps of cartons. H. Daum and D. L. Rugen. 2,584,848, Feb. 5.
Adhesive bandage material. C. A. Hanington. 2,592,801, Apr. 15.
Adhesive cement solution containing a sulfur-cured rubber. H. J. Hoffman. 2,610,162, Sept. 9.
Adhesive collar stay package. W. R. Story. 2,595,112, Apr. 29.
Adhesive composition and preparing the same. G. S. Casebolt. 2,592,510, Apr. 8.
Adhesive composition and seam. F. K. Watson, J. L. Ludlow and J. C. Tallman. 2,609,963, Sept. 9.
Adhesive composition comprising a vinylidene chloride-acrylonitrile copolymer latex and a protein. A. E. Young, E. K. Stilbert, and R. H. Lalk. 2,593,236, Apr. 15.
Adhesive composition for laminating optical elements. H. R. Moulton and J. Mahler. 2,596,863, May 13.
Adhesive composition, Water-insoluble. J. J. Koenig, F. G. Erskine and A. R. McManus. 2,597,006, May 20.
Adhesive compositions and bonding polyethylene using same. R. A. De Coudres and C. S. Myers. 2,622,056, Dec. 16.
Adhesive comprising a mixture of a nucleated and non-nucleated phenolic resins. P. G. Schrader and A. M. Partansky. 2,620,288, Dec. 2.
Adhesive comprising vinsol and a butadiene-acrylonitrile synthetic rubber. E. E. Mayfield. 2,606,884, Aug. 12.
Adhesive liquid compositions suitable for electrostatic dust precipitators. J. Swiss and G. W. Hewitt. 2,597,201, May 20.
Adhesive materials and assembling sheet materials. R. M. Banks and R. W. Lahey. 2,599,359, June 3.
Adhesive, Nonsolvent. R. A. Johnson. 2,597,996, May 27.
Adhesive pickup device. F. C. Sutliffe. 2,610,882, Sept. 16.
Adhesive sheet or tape. V. N. Morris, C. L. Weidner, and L. W. Eger. 2,599,576, June 10.
Adhesive structure. H. H. Talboys. 2,585,515, Feb. 12.
Adhesive tape dispenser. S. Garik. 2,593,291, Apr. 15.
Adhesive tape, Oil-resistant. J. O. Hendricks and C. A. Dahlquist. 2,601,016, June 17.
Adhesive tapes and liners having low-adhesion coatings. J. O. Hendricks. 2,607,711, Aug. 19.
Adhesive window shade mounting. C. M. Judd. 2,618,333, Nov. 18.
Adhesives and coated products and making same, Heat-energizable. R. L. Smith and C. M. Wiswell. 2,608,542, Aug. 26.
Adjacent channel rejection by magnetostriction. L. E. Potter. 2,599,068, June 3.
Adjustable abutment for pistons. J. E. Rasoletti. 2,605,748, Aug. 5.
Adjustable accordion air cushion spring. G. P. Needy. 2,611,607, Sept. 23.
Adjustable air distributor. O. A. Labus. 2,621,578, Dec. 16.
Adjustable and mobile broom and mop display rack. T. Looney. 2,623,642, Dec. 30.
Adjustable and retractable internal thread gauge. J. C. Bath and E. L. Ackley. 2,595,917, May 6.
Adjustable and reversible stud removers and resetters. G. M. Walraven and R. G. Knudsen. 2,613,564, Oct. 14.
Adjustable and shiftable feed finger mechanism for tag marking machines. F. L. Rieger. 2,586,563, Feb. 19.
Adjustable apron feeder. V. C. Anderson. 2,593,084, Apr. 15.
Adjustable attachment for shirt collars. J. V. Schafer. 2,585,690, Feb. 12.
Adjustable automatic fluid dispenser. B. D. Menkin and F. M. Darling. 2,593,591, Apr. 22.
Adjustable automobile seat. R. S. King. 2,596,033, May 6.
Adjustable automotive mirror mounting. J. Fischer. 2,595,832, May 6.
Adjustable batting tee. R. C. Bird. 2,616,692, Nov. 4.
Adjustable beam clamp. H L. Kindorf and O. C. Kindorf. 2,609,582, Sept. 9.
Adjustable bed frame. L. F. Clerc. 2,611,907, Sept. 30.
Adjustable bladed impeller. A. Cornillon. 2,600,097, June 10.
Adjustable block. E. A. Odin. 2,580,585, Jan. 1.
Adjustable bolt-holding wrench. F. G. Davis. 2,600,214, June 10.
Adjustable bore gauge. G. D. Hayden. 2,590,608, Mar. 25.
Adjustable bracket. F. J. Blume. 2,617,618, Nov. 11.
Adjustable brassière frame. E. Kramer. 2,605,468, Aug. 5.
Adjustable broach holder. N. H. Iversen. 2,587,570, Feb. 26.
Adjustable cardholder support. S. J. Adams. 2,584,179, Feb. 5.
Adjustable carrier device. C. S. Griffin. 2,599,824, June 10.
Adjustable chair. G. H. Gambrill. 2,603,273, July 15.
Adjustable chair. J. C. Holten. 2,602,489, July 8.
Adjustable chair. C. J. J. Kuebler. 2,603,275, July 15.
Adjustable child's seat. W. F. Kelley. 2,590,253, Mar. 25.
Adjustable clamp. E. F. Fullwood. 2,622,831, Dec. 23.
Adjustable clothes banger. T. H. Hannon. 2,589,374, Mar. 18.
Adjustable coil spring center support. E. E. Woller. 2,595,039, Apr. 29.
Adjustable container. C. W. Turbyfill. 2,598,320, May 27.
Adjustable control mechanism. E. D. Raney. 2,595,813, May 6.
Adjustable crossleg table. J. L. Jerick. 2,581,023, Jan. 1.
Adjustable crowfoot wrench. C. F. Coates. 2,600,617, June 17.
Adjustable current compensation on dynamic-electric machine. W. Schaelchlin and A. J. Winchester, Jr. 2,597,191, May 20.
Adjustable dampening bearing support. W. S. Pierce, Jr. 2,614,896, Oct. 21.
Adjustable definite position clutch operator. R. M. Ford and D. P. Crane. 2,594,898, Apr. 29.
Adjustable deflector. B. Spieth. 2,600,934, June 17.
Adjustable diameter sheave. W. A. Williams. 2,610,515, Sept. 16.
Adjustable door. J. B. Bamberg. 2,583,989, Jan. 29.
Adjustable door support. M. Carlson. 2,595,187, Apr. 29.
Adjustable double roller bearing. S. M. Weckstein. 2,606,799, Aug. 12.
Adjustable drafting board. R. T. Hine. 2,622,364, Dec. 23.
Adjustable drawing table. L. Sautereau. 2,622,951, Dec. 23.

Adjustable eccentric. P. C. Malmsten. 2,583,864, Jan. 29.
Adjustable electrical phase-shifting network. E. R. Wigan. 2,623,945, Dec. 30.
Adjustable electrode assembly for high-frequency heating systems. H. R. Warren. 2,612,595, Sept. 30.
Adjustable electrode support. J. D. Reid. 2,619,609, Nov. 25.
Adjustable elongated reflector. J. Peters. 2,619,585, Nov. 25.
Adjustable end working tool mechanism for lathes. C. E. Miller. 2,621,395, Dec. 16.
Adjustable extension device. I. B. Anerson. 2,581,782, Jan. 8.
Adjustable fence for machine tools. A. J. Okamuro. 2,619,998, Dec. 2.
Adjustable fitting. A. H. Hawes. 2,584,015, Jan. 29.
Adjustable flag holder. F. W. Muth. 2,602,617, July 8.
Adjustable fluid metering valve. L. V. McCarty. 2,583,788, Jan. 29.
Adjustable frame and hinge recess locating jig assembly. F. Schwarzer. 2,605,790, Aug. 5.
Adjustable friction drive. C. W. Larson. 2,608,872, Sept. 2.
Adjustable gauge. L. D. Bryson. 2,596,204, May 13.
Adjustable gauge. N. J. L. Sandström. 2,584,741, Feb. 5.
Adjustable gauge block. R. F. Dery. 2,607,124, Aug. 19.
Adjustable gate support. C. D. Griffin. 2,596,850, May 13.
Adjustable handle bar. J. Konsel. 2,594,451, Apr. 29.
Adjustable handle bar. M. D. Welsh. 2,617,670, Nov. 11.
Adjustable head T square. O. A. Olson. 2,582,649, Jan. 15.
Adjustable height vehicle seat. B. J. Murphy. 2,587,751, Mar. 4.
Adjustable hospital table. N. O. Berg and A. M. Budnick. 2,587,094, Feb. 26.
Adjustable indicator holder. V. J. Scalise. 2,601,965, July 1.
Adjustable inlet device for compressors. L. A. J. Bauger. 2,606,713, Aug. 12.
Adjustable invalid's chair. J. A. Bursey. 2,604,140, July 22.
Adjustable ironing board. A. E. Fernandes. 2,584,196, Feb. 5.
Adjustable keeper. A. H. Groeger. 2,592,274, Apr. 8.
Adjustable lap. R. G. Roahong. 2,597,187, May 20.
Adjustable lead control. A. E. Drissner. 2,617,307, Nov. 11.
Adjustable leg iron for climbers. C. W. Bennington. 2,607,522, Aug. 19.
Adjustable length sphygmomanometer cuff or sleeve. W. E. Heits. 2,582,123, Jan. 8.
Adjustable liquid gauge. H. L. Coleman. 2,609,687, Sept. 9.
Adjustable load engager for vehicle lifts. E. B. Thompson. 2,612,344, Sept. 30.
Adjustable locating stop for machine tools. G. A. Hull. 2,620,688, Dec. 9.
Adjustable log tripping sawmill deck block. H. W. Clark. 2,623,551, Dec. 30.
Adjustable magnetic pressure valve. J. B. Horvay. 2,609,835, Sept. 9.
Adjustable magnetic shunt for permanent magnet generators. J. H. Stark. 2,610,993, Sept. 16.
Adjustable magnetic slip brake. H. M. Stephenson. 2,605,875, Aug. 5.
Adjustable magnetron. C. V. Litton. Re. 23,517, July 1.
Adjustable means for hospital tables. C. C. Curtis. 2,596,986, May 20.
Adjustable member for head protective equipment. C. E. Bowers. 2,601,362, June 24.
Adjustable milling cutter. P. J. Blais. 2,592,382, Apr. 8.
Adjustable mirror bracket. J. J. Tomeo. 2,591,318, Apr. 1.
Adjustable mirror support. J. Garrett. 2,598,531, May 27.
Adjustable music rack. P. M. Grant. 2,597,581, May 20.
Adjustable object handling cradle. A. S. Mullgardt. 2,620,930, Dec. 9.
Adjustable parallel. H. Tinker. 2,599,500, June 3.
Adjustable pipe wrench. H. J. Elder. 2,605,662, Aug. 5.
Adjusting polar relays. J. T. L. Brown. 2,590,228, Mar. 25.
Adjustable power-driven tool support. A. Peplow. 2,587,520, Feb. 26.
Adjustable pulley. G. O. Turnbull. 2,611,278, Sept. 23.
Adjustable resiliency bedspring. V. H. Gottschalk. 2,595,072, Apr. 29.
Adjustable ring and thread gauge. J. Fichter. 2,594,143, Apr. 22.
Adjustable ring gauge. G. and E. F. Hohwart. 2,583,738, Jan. 29.
Adjustable ring gauge. G. and E. F. Hohwart. 2,588,116–17, Mar. 4.
Adjustable roll support. W. Rodder. 2,599,414, June 3.
Adjustable safety device for boat anchors. N. S. Sponenburg. 2,608,174, Aug. 26.
Adjustable safety latch. R. R. Scott. 2,592,961, Apr. 15.
Adjustable Schmidt television projector mounting. L. H. Davis and G. H. Blaker. 2,585,746, Feb. 12.
Adjustable scraper blade mounting. H. Rust. 2,614,344, Oct. 21.
Adjustable seat support. J. P. De Rose. 2,594,882, Apr. 29.
Adjustable seat support. D. M. Watts and H. P. Brown. 2,591,480, Apr. 1.
Adjustable self-transporting thread store reel. H. Reitsma. 2,614,313, Oct. 21.
Adjustable shaft connector. E. J. Casaroll. 2,596,007, May 6.
Adjustable shaft hanger. C. M. Hyman. 2,587,851, Mar. 4.
Adjustable shore. F. W. Jessop. 2,617,620, Nov. 11.
Adjustable side-jaw wrench. S. E. G. Hogstadius. 2,587,320, Feb. 26.
Adjustable stop and locking device for shovel loaders. R. C. Osgood. 2,592,457, Apr. 8.
Adjustable square. J. A. H. Coleman. 2,618,859, Nov. 25.
Adjustable standard for vehicle jacks and the like. F. W. Coffing. 2,602,625, July 8.
Adjustable strip cutting tool. P. H. Unsinger. 2,601,183, June 17.
Adjustable stroke dispensing pump. E. D. Minton. 2,598,188, May 27.
Adjustable stroke hydraulic motor. C. B. Livers. 2,614,536, Oct. 21.
Adjustable stroke sirup pump. V. P. Steele. 2,587,241, Feb. 26.
Adjustable support. L. Boltuch. 2,608,367, Aug. 26.
Adjustable support. J. E. Petrie. 2,598,596, May 27.
Adjustable supporting bar. S. Zoppelt. 2,594,605, Apr. 29.
Adjustable supporting leg. T. A. Barham, Sr. 2,591,999, Apr. 8.
Adjustable supporting leg. W. J. S. Johnson. 2,618,496, Nov. 18.
Adjustable swinging arm unit for reading lamps. M. Fletcher. 2,621,882, Dec. 16.
Adjustable tension capstan. H. M. Stephenson. 2,601,961, July 1.
Adjustable theater chair. C. H. Bell. 2,621,709, Dec. 16.
Adjustable thread ring gauge. G. and E. F. Hohwart. 2,591,433, Apr. 1.
Adjustable throw eccentric. A. G. Wunderlich and J. Bonato. 2,594,836, Apr. 29.
Adjustable tie holder. H. C. Valsey and W. H. Meeker. 2,585,603, Feb. 12.
Adjustable tie rod. R. E. Fidler. 2,584,687, Feb. 5.
Adjustable tie rod. E. J. Johnson. 2,584,709, Feb. 5.
Adjstable tilting bed for trucks. E. Lisota. 2,621,814, Dec. 16.
Adjustable tool. J. J. Wittman. 2,590,593, Mar. 25.
Adjustable torque and deflection control mechanism for indicating instruments. M. K. Gordon, Jr., and K. E. Lischick. 2,619,933, Dec. 2.
Adjustable torque device. E. B. Judd and A. Butrym. 2,607,820, Aug. 19.
Adjustable tracer finger. L. A. Peterson and C. V. Huber. 2,607,989, Aug. 26.
Adjustable tractor wheel mounting. W. G. Abney. 2,584,410, Feb. 5.
Adjustable umbrella support. C. E. Clapper. 2,605,778, Aug. 5.
Adjustable vehicle seat. J. M. Dorton. 2,586,012, Feb. 19.
Adjustable vehicle seat. S. Kronhaus and L. Zollman. 2,600,005, June 10.
Adjustable vehicle seat. J. C. Widman and W. B. Schueren. 2,583,349, Jan. 22.
Adjustable ventilator screen. D. J. Rust and J. H. Jensen. 2,605,831, Aug. 5.
Adjustable width gate. H. J. Noll. 2,592,722, Apr. 15.
Adjustable width single-piece garment hanger. D. B. Irving. 2,621,834, Dec. 16.
Adjustable wood plug cutter. M. E. Myers. 2,598,712, June 3.
Adjustably weighted dumbell. F. W. Landis. 2,617,650, Nov. 11.
Adjusting and engaging mechanism. G. E. Mégel and H. Mancla. 2,608,879, Sept. 2.
Adjusting and locking mechanism for reclining chairs. A. Skok. 2,617,469, Nov. 11.
Adjusting arrangement. C.-E. Granquist. 2,589,369, Mar. 18.
Adjusting fitting for tool assemblies for reshaping deformed automobile body parts. J. W. Geddes and H. C. Ferguson. 2,586,158, Feb. 19.
Adjusting fluid motor elements to maintain synchronized movement. R. C. Wilson. 2,616,265, Nov. 4.
Adjusting mechanism for load compensating brake apparatus. D. M. Hart. 2,606,145, July 29.
Adjusting mechanism for material discharge devices. D. M. Morris. 2,618,405, Nov. 18.
Adjusting mechanism for metal drawing presses. E. K. Johansen. 2,592,152, Apr. 8.
Adjusting ophthalmic mountings. E. M. Spinine. 2,599,789, June 10.
Adjusting screw for firearms. C. H. Cleveland. 2,612,820, Oct. 7.
Adjusting supporting device. H. H. Lemmerman. Gerber and R. A. Mullaney. 2,597,238, May 20.
Adjusting the outlet cross section of the exhaust nozzle of a reaction jet propeller for aircraft and the like high-speed vehicles, Method and means for. M. H. L. Sédille and R. J. Imbert. 2,623,352, Dec. 30.
Adjusting the speed of variable-speed turntables. G. A. 2,610,011, Sept. 9.

Adjustment device. R. B. Gray. 2,608,873, Sept. 2.
Adjustment for tractor mounted scoop type ditchers. W. E. Morgan. 2,591,278, Apr. 1.
Admission valve mechanism for resonance combustion chambers. R. H. Goddard. 2,610,064, Sept. 9.
Adrenochrome compositions. D. Fleischhacker and N. Barsel. 2,581,850, Jan. 8.
Adsorbing device. G. S. Dauphinee. 2,589,229, Mar. 18.
Adsorption of gases with charcoals having different activities. E. W. S. Nicholson, R. J. Fritz, and L. D. Etherington. 2,614,657, Oct. 21.
Adsorption process. C. H. O. Berg. 2,583,352, Jan. 22.
Adsorption process. C. H. O. Berg. 2,603,553, July 15.
Adsorption process. C. H. O. Berg. 2,616,515, Nov. 4.
Adsorption process. C. H. O. Berg. 2,616,521, Nov. 4.
Adsorption process. R. P. Cahn. 2,620,047, Dec. 2.
Adsorption process. D. H. Imhoff and C. H. O. Berg. 2,590,322, Mar. 25.
Adsorption process and apparatus. C. H. O. Berg. 2,603,306, July 15.
Adsorption process and apparatus. C. H. O. Berg. 2,609,887, Sept. 9.
Adsorption process and apparatus therefor. C. H. O. Berg. 2,594,615, Apr. 29.
Adsorption process, Continuous. J. L. Olsen. 2,585,490–2, Feb. 12.
Adsorption process for the separation of hydrocarbons. W. H. Claussen. 2,582,415, Jan. 15.
Adsorption separation of hydrocarbons and oxygenated organic compounds. J. Q. Cope, Jr. 2,621,203, Dec. 9.
Adsorption separation process. J. W. Scott and S. Eagle. 2,621,149, Dec. 9.
Advertising device. H. L. Blum. 2,589,474, Mar. 18.
Advertising device, Electronically controlled. B. E. Templeman and H. M. Recker. 2,595,993, May 6.
Advertising display device. W. M. Harris. 2,607,144, Aug. 19.
Advertising display device. J. T. Mullen. 2,614,351, Oct. 21.
Advertising machine. M. Grossu. 2,597,985, May 27.
Advertising poster frame. R. A. A. Couzinet. 2,601,734, July 1.
Advertising sign and illuminating device, Combination. N. B. Whitebread. 2,611,981, Sept. 30.
Advertising sign holder for automobiles. J. E. Dienes. 2,620,579, Dec. 9.
Aerated bait container. E. A. Ebert. 2,613,472, Oct. 14.
Aerating device. F. Malzacher. 2,603,465, July 15.
Aeration of liquids, Method of and an apparatus for the. S. A. Canarlis. 2,591,134, Apr. 1.
Aerator. E. G. Gettins. 2,600,752 June 17.
Aerator. J. D. Walker. 2,616,676, Nov. 4.
Aerator and filter, Water. L. Rose. 2,590,431, Mar. 25.
Aerator, Raw milk. L. C. Harp, Sr. 2,584,202, Feb. 5.
Aerial cable with external radio signal reflection correction. F. Bloch. 2,594,854, Apr. 29.
Aerial display apparatus. E. T. Belmont. 2,589,472, Mar. 18.
Aerial for very high frequency radio receivers. E. G. O. Anderson, G. G. Blundell and J. E. Rhys-Jones. 2,611,082, Sept. 16.
Aerial game device. H. W. Brasington. 2,616,697, Nov. 4.
Aerial map projection method and apparatus for making same. H. Pennington, Jr. 2,600,261, June 10.
Aerial navigation aid. R. Hage. 2,619,740, Dec. 2.
Aerial pickup and release device. L. R. S. Jessen. 2,613,921, Oct. 14.
Aerial spraying. W. E. Ripper. 2,583,883, Jan. 29.
Aerial spraying. W. E. Ripper and A. K. Dorman. 2,583,884, Jan. 29.
Aerial system. R. H. J. Cary. 2,614,219, Oct. 14.
Aerial system. W. A. Johnson. 2,607,894, Aug. 19.
Aerial system. A. B. Pippard. 2,609,505, Sept. 2.
Aerial system. C. H. Smith, H. G. Booker and P. M. Woodward. 2,580,065, Jan. 1.
Aerial system. E. O. Willoughby. 2,611,869, Sept. 23.
Aerial system comprising a concentric transmision line. J. Stolk. 2,617,028, Nov. 4.
Aerial target releasing device, Automatic. L. S. Jessen. 2,590,103, Mar. 25.
Aerial top, Tethered. H. J. Perker and C. R. Anderson. 2,605,584, Aug. 5.
Aerial torpedo. P. W. Nosker. 2,603,433, July 15.
Aerial transporter. A. Knox. 2,588,733, Mar. 11.
Aerial, Wireless. N. M. Best. 2,617,935, Nov. 11.
Aerodynamic smoke tunnel. C. L. Benedum. 2,616,291, Nov. 4.
Aerodynamic surface for dirigible bombs. R. D. Wyckoff. 2,584,826, Feb. 5
Aerodynamic valve. J. H. Bertin and R. H. Marchal. 2,619,124, Nov. 25.
Aerosol bomb valve. R. S. Knapp. 2,596,414, May 13.
Aerosol generator. J. W. Hession, Jr. 2,607,571, Aug. 19.
Aerosol generator. J. W. Hession, Jr. 2,607,573–5, Aug. 19.
Aerosol insecticide bomb. F. J. Metzger. 2,593,165, Apr. 15.
Affixing condenser tap straps to mounting strip material. C. E. Marks. 2,597,885, May 27.
Affixing conducting tap straps to a paper mounting strip. E. A. Raney. 2,601,005, June 17.
After-chlorination of polyvinyl chloride. D. S. Rosenberg. 2,590,651, Mar. 25.
Age and stain-resisting article of plasticized polyvinyl chloride. C. A. Nielson, F. Leonard and I. Cort. 2,606,325, Aug. 12.
Age-hardened magnesium-base alloy, Producing. A. H. Hesse. 2,622,049, Dec. 16.
Age hardening austenitic steel. P. Payson. 2,606,113, Aug. 5.
Age resistor for low-unsaturation polymers. A. F. Sayko. 2,620,323, Dec. 2.
Ageing and polymerizing impure methyl vinyl ketone. R. E. Davies. 2,599,616, June 10.
Agents and mineral oil lubricant compositions containing the same. H. G. Smith and T. L. Cantrell. 2,603,603, July 15.
Agents for combating pests and a method for killing pests. H. Gysin. 2,592,890, Apr. 15.
Agglomerable iron powder, Manufacture of. L. Neel. 2,592,321, Apr. 8.
Agglomerate tabling of tungsten bearing ores. W. A. Bates. 2,607,479, Aug. 19.
Agglomerates for rubber compounding and product thereof, Making. K. E. Creed, Jr. 2,598,229, May 27.
Agglomerates, Making. T. W. Bartram. 2,598,209, May 27.
Agglomerating finely divided materials. T. Heilmann. 2,592,421, Apr. 8.
Agglomeration of metal bearing materials. L. B. Lindemuth. 2,606,111, Aug. 5.
Aggregate receiving and conveying machine. C. L. and J. P. Stodolka. 2,600,588, June 17.
Agitating apparatus. R. J. Burke. 2,598,500, May 27.
Agitating device for liquid containing tanks. D. S. Brown, C. F. Hawes, and R. E. Stork. 2,583,725, Jan. 29.
Agitating means for cleaning filters. G. H. Vokes. 2,616,518, Nov. 4.
Agitating means for wood waste hoppers. G. A. Boughman. 2,616,592, Nov. 4.
Agitator for washing clothes, Self-contained. R. P. Harshberger. 2,622,425, Dec. 23.
Agitator mounting for suction cleaners. P. T. Hahn. 2,607,069, Aug. 19.
Agricultural chemical compositions comprising 1,2-dihydropyridazine-3,6-dione and its salts. O. L. Hoffmann and D. L. Schoene. 2,614,916, Oct. 21.
Agricultural cutting and processing machine assembly. B. E. Getz. 2,592,269, Apr. 8.
Agricultural distributor for spreading manures, fertilizers, or the like over the ground. R. L. Atkinson. 2,621,934, Dec. 16.
Agricultural implement. C. C. Haas. 2,621,748, Dec. 16.
Agricultural implement. R. H. Rauen. 2,604,025, July 22.
Agricultural scaffold. W. D. and C. A. Merrill. 2,614,893, Oct. 21.
Agricultural spraying apparatus, Tractor propelled. S. D. Pool. 2,593,696, Apr. 22.
Aileron, flap, and dive brake. R. E. Crandall and J. E. Glenn. 2,612,329, Sept. 30.
Air accelerating engine and compressor. A. A. Matheson. 2,620,779, Dec. 9.
Air actuated chance device. L. C. Pagenhardt. 2,588,038, Mar. 4.
Air-actuated noise maker. G. Wintriss. 2,598,956, June 3.
Air actuated time delay control switch. E. H. Musgrove. 2,610,990, Sept. 16.
Air admission director for oil burners. T. W. Murphy and J. M. Carroll. 2,609,869, Sept 9.
Air and erosion or corrosion eliminator device. W. M. Kennedy and B. E. Meurk. 2,611,446, Sept. 23.
Air and fuel regulating means in internal-combustion turbine power plants. R. H. Weir. 2,582,809, Jan. 15.
Air and fuel supply means for liquid fuel burners of the bowl type. L. S. Chadwick, E. W. Cheeseman, and A. R. Moore. 2,614,618, Oct. 21.
Air and gas cleaner. K. F. Schreier and B. Bartolucci. 2,609,062, Sept. 2.
Air bag or the like having frequency insulator therein.
Air blast circuit breaker with switching resistance. M. Cremer. 2,614,193, Oct. 14.
Air bleed structure for automatically controlling air and fuel ratio in carburetors at varying engine speeds. E. C. Brehob. 2,609,188, Sept. 2.
Air bleed system for hydraulic table reciprocating mechanism. C. G. Flygare. 2,596,475, May 13.
Air bleeder for vehicle lifts. J. J. Pelouch. 2,588,285, Mar. 4.
Air-blowing asphalt. J. C. Roediger. 2,616,837, Nov. 4.
Air booster for sawmill setworks. W. F. Cahoon. 2,607,374, Aug. 19.
Air-borne radio relaying system. N. E. Lindenblad. 2,598,064 May 27.
Airborne vehicle and cushioning and/or buoyancy supporting means therefor. J. F. Boyle. 2,621,874, Dec. 16.
Air break circuit interrupter. R. E. Frink. 2,616,006, Oct. 28.
Air-brush holder. L. E. Goebel. 2,591,349, Apr. 1.
Air circulating device. H. Hill. 2,616,617, Nov. 4.
Air circulation control. A. G. Janos. 2,600,297, June 10.
Air cleaner. M. L. Blair and D. P. Eastman. 2,580,648, Jan. 1.

Air cleaner. W. T. Daniels. 2,623,609, Dec. 30.
Air cleaner. H. L. Gilmore. 2,620,066, Dec. 2.
Air cleaner. G. W. Hardy, G. C. Ray, and P. Carle. 2,601,519, June 24.
Air cleaner. G. F. McDougall. 2,586,243, Feb. 19.
Air cleaner. W. G. Rommel. 2,594,805, Apr. 29.
Air cleaner and silencer. J. J. Dresnes. 2,602,520, July 8.
Air cleaner for internal-combustion engines. H. Goldberg and M. D. Burrows. 2,610,701, Sept. 16.
Air cleaner for spraying machines. T. B. Keesling. 2,592,427, Apr. 8.
Air cleaner of the oil-bath type. K. F. Russell. 2,580,703, Jan. 1.
Air cleaning device, Inertia type. J. H. Crankshaw and W. S. O'Kelly. 2,616,519, Nov. 4.
Air cleaning intake for gas turbines and other internal-combustion engines. J. Kinsella. 2,600,302, June 10.
Air comforter bed covering. N. B. Wales, Jr. 2,601,189, June 17.
Air compressor. R. H. Hill. 2,605,044, July 29.
Air compressor accessory for vehicles. J. Poglay. 2,595,098, Apr. 29.
Air-conditioned open top display cabinet. D. F. and J. D. Williams. 2,601,652, June 24.
Air conditioner. J. E. Long. 2,606,009, Aug. 5.
Air conditioner. P. B. Moore. 2,600,316, June 10.
Air conditioner. G. Wilcox. 2,583,195, Jan. 22.
Air conditioner and humidifier. C. J. Kalmadge. 2,585,132, Feb. 12.
Air conditioning. L. McNeely. 2,581,122, Jan. 1.
Air conditioning. H. C. Shagaloff. 2,610,032, Sept. 9.
Air conditioning and/or humidifying apparatus. B. Lipton. 2,588,736, Mar. 11.
Air conditioning and speaker unit for automobiles. J. R. Kendrick. 2,612,830, Oct. 7.
Air-conditioning apparatus. N. E. Berry. 2,604,306, July 22.
Air-conditioning apparatus. E. Feinberg. 2,580,535, Jan. 1.
Air conditioning apparatus. P. O. Jordan. 2,614,202, Oct. 14.
Air-conditioning apparatus. R. G. Miner and A. O. Anderson. 2,594,477, Apr. 29.
Air conditioning means for motor vehicles. J. H. Herman, Jr. 2,614,478, Oct. 21.
Air-conditioning method and apparatus therefor. G. C. Collison. 2,602,307, July 8.
Air conditioning system. W. O. Kline. 2,619,802, Dec. 2.
Air conditioning system. B. Knepper. 2,619,894, Dec. 2.
Air conditioning system. S. E. Lyman. 2,620,983, Dec. 9.
Air conditioning system. M. G. Shoemaker. 2,607,200, Aug. 19.
Air conditioning system. W. M. Simpson. 2,617,632, Nov. 11.
Air conditioning system. Dual duct. C. M. Ashley and W. L. McGrath. 2,609,743, Sept. 9.
Air conditioning system for automobiles. R. E. Stanton. 2,620,636, Dec. 9.
Air conditioning system for enclosures. P. C. Scofield and H. J. Wood. 2,622,406, Dec. 23.
Air conditioning unit and expansion motor therefor. C. J. Thatcher. 2,582,297, Jan. 15.
Air-cooled gas heating torch. G. R. Spies, Jr. 2,618,321, Nov. 18.
Air-cooled gear set. W. P. Schmitter. 2,583,751, Jan. 29.
Air cooled light projector. J. P. Foulds. 2,618,738, Nov. 18.
Air-cooled press brake and clutch assembly. P. H. and G. I. Danly, and V. Georgeff. 2,584,190, Feb. 5.
Air-cooled tapping attachment. M. H. Emrick. 2,613,786, Oct. 14.
Air cooler. A. H. Carpenter and J. T. Calonico. 2,596,324, May 13.
Air cooler. J. D. Scruggs. 2,617,685, Nov. 11.
Air-cooling and heating apparatus. S. De Silvestro. 2,585,748, Feb. 12.
Air-cooling apparatus, Portable. L. A. Grandinetti. 2,620,638, Dec. 9.
Air-cooling attachment for warm air furnace systems. S. J. Levine. 2,598,397, May 27.
Air cooling system for tents or canopies. W. J. Rogers. 2,581,709, Jan. 8.
Aircraft. J. S. D. Cumming. 2,599,435, June 3.
Aircraft adjustable lift-propeller cradle. E. V. Sanders. 2,611,554, Sept. 23.
Aircraft and automobile, Combined. E. M. Nye and A. Poisson. 2,593,785, Apr. 22.
Aircraft and wing structure therefor, Supersonic. A. A. Griffith. 2,584,198, Feb. 5.
Aircraft antenna system. D. G. C. Luck. 2,618,747, Nov. 18.
Aircraft apparatus for simulating a line of sight-defining structure. W. A. Ayres. 2,589,216, Mar. 18.
Aircraft approach system. R. C. Hergenrother. 2,597,321, May 20.
Aircraft automatic pilot. P. Halpert. 2,586,034, Feb. 19.
Aircraft balancing means. D. W. Douglas. 2,601,962, July 1.
Aircraft booster jet power unit. J. A. Drake. 2,619,795, Dec. 2.
Aircraft breathing oxygen regulator. W. J. Jacobsson, J. A. Hoffman, and S. R. Oldham. 2,614,573, Oct. 21.
Aircraft cabin pressure regulator. R. E. Krueger. 2,590,330, Mar. 25.
Aircraft cabin pressurizing and air conditioning apparatus. F. C. I. Marchant and G. M. Lewis. 2,614,815, Oct. 21.
Aircraft carrier multiple propeller attachment. H. H. Hoke, Jr. 2,619,930, Dec. 2.
Aircraft castorable or steerable landing element mountings. H. R. Stratford. 2,613,888, Oct. 14.
Aircraft-construction. J. B. Cole. 2,602,614, July 8.
Aircraft construction. L. Fortunato. 2,623,720, Dec. 30.
Aircraft control. C. G. Gordon. 2,621,873, Dec. 16.
Aircraft control apparatus. L. E. Alberts. 2,614,236, Oct. 14.
Aircraft control apparatus. W. J. McGoldrick. 2,597,789, May 20.
Aircraft control apparatus. F. P. Strother. 2,620,140, Dec. 2.
Aircraft control lock. J. A. Morrison. 2,584,038, Jan. 29.
Aircraft control mechanism. R. A. Robert. 2,601,458, June 24.
Aircraft control mechanism. F. Terdina and M. F. Muzzy. 2,621,872, Dec. 16.
Aircraft control surface. B. W. Badenoch. 2,608,365, Aug. 26.
Aircraft control system with fluid operated holding device. W. G. Lisle. 2,623,502, Dec. 30.
Aircraft crash marker. L. E. Perkins and G. C. Gettelman. 2,592,461, Apr. 8.
Aircraft deicing means. S. Lucas and J. A. Baines. 2,622,828, Dec. 23.
Aircraft enclosure jettison system. R. D. Gardner, Jr., and F. C. Bretcher. 2,615,659, Oct. 28.
Aircraft engine. A. Chilton. 2,592,119, Apr. 8.
Aircraft engine mount. J. M. Tyler. 2,605,062, July 29.
Aircraft engine mounting. H. R. Childress. 2,589,539, Mar. 18.
Aircraft equalizing brake control valve. C. V. Gagen. 2,616,641, Nov. 4.
Aircraft folding wing and power plant arrangement. R. B. Foster. 2,623,713, Dec. 30.
Aircraft fuel tank. A. G. Cattaneo. 2,609,118, Sept. 2.
Aircraft gun mount. S. M. Miller. 2,591,960, Apr. 8.
Aircraft gun port opening and closing device controlled by gun temperature. R. R. Beachler, Jr., and J. M. Oberholtzer. 2,608,134, Aug. 26.
Aircraft gun turret. C. H. Davies. 2,598,231, May 27.
Aircraft gust alleviating control means. G. E. Bockrath. 2,584,666, Feb. 5.
Aircraft heating system. B. L. Messinger. 2,582,842, Jan. 15.
Aircraft landing gear construction. H. M. Henion. 2,606,726, Aug. 12.
Aircraft landing wheel assembly. C. F. Zimmerman and R. E. Kibele. 2,602,612, July 8.
Aircraft navigation and instrument landing system. O. S. Field and S. N. Wight. 2,597,784, May 20.
Aircraft orientation device. W. J. Twamley. 2,588,433, Mar. 11.
Aircraft power control system. F. G. Bollo. 2,600,612, June 17.
Aircraft power plant and cabin pressurizing system. N. C. Price. 2,582,848, Jan. 15.
Aircraft power plant having two or more gas turbine power units to drive one or more airscrews in various combinations. F. M. Owner, S. W. Mansell, and F. C. I. Marchant. 2,589,853, Mar. 18.
Aircraft pressurizing and cooling system. B. L. Messinger and H. M Cousins. 2,585,570, Feb. 12.
Aircraft propeller control system. C. W. Chillson and J. R. Schoenbaum. 2,619,183, Nov. 25.
Aircraft propeller control system. P. J. Quinn. 2,620,883, Dec. 9.
Aircraft propeller synchronizer, Automatic. L. R. Philpott. 2,593,484, Apr. 22.
Aircraft propeller with two air circuits, Reaction jet. R. J. Imbert. 2,596,406, May 13.
Aircraft propulsion power plant. W. R. Hawthorne. 2,589,078, Mar. 11.
Aircraft rocket launcher. P. F. Hurt. 2,599,555, June 10.
Aircraft, Rotary wing. R. Hafner. 2,600,531, June 17.
Aircraft rotor blade and blade flap pitch control. E. A. Stalker. 2,581,773, Jan. 8.
Aircraft rotor blade pitch control linkage. E. Daland. 2,595,642, May 6.
Aircraft rudder control column. R. Saulnier. 2,585,688, Feb. 12.
Aircraft seat leg release means. W. A. Engel. 2,614,781, Oct. 21.
Aircraft structure. G. P. Harrington. 2,623,721, Dec. 30.
Aircraft tank assembly and supporting means for the same. F. B. Johnson and G. A. Starleaf. 2,613,715, Oct. 14.
Aircraft traffic control system. J. L. Peters and E. J. Isbister. 2,602,921, July 8.
Aircraft turbine-propeller control system. F. W. Caldwell. 2,590,932, Apr. 1.
Aircraft undercarriage. R. W. Brown. 2,581,935, Jan. 8.
Aircraft undercarriage. L. R. Wheeler. 2,623,719, Dec. 30.
Aircraft wing and brake. B. H. Robinson. 2,605,984, Aug. 5.
Aircraft wing and flap with boundary layer control. P. Poisson-Quinton. 2,585,676, Feb. 12.

Aircraft with fuselage lifting channels, Jet-propelled. W. R. Custer. 2,611,555, Sept. 23.
Aircraft with heating means for the gas bags thereof, Lighter than air. W. E. Farmer. 2,599,241, June 3.
Aircraft with lift channels, Jet-propelled. W. R. Custer. 2,611,556, Sept. 23.
Aircraft with radar antenna. R. J. Woods. 2,613,887, Oct. 14.
Air charger for water systems. J. E. Armstrong and C. Jacuzzi. 2,621,597, Dec. 16.
Air-cooled gas burner. H. D. Dufault. 2,621,720, Dec. 16.
Air cushion spring suspension. R. Cairns. 2,606,757, Aug. 12.
Air cycle cooling system. W. T. Carson, Jr. and L. A. Williamson, Jr. 2,586,002, Feb. 19.
Air deflector for automobile windows. H. B. Riggs. 2,586,090, Feb. 19.
Air depolarized cell. P. A. Marsal and R. P. Fox. 2,597,116, May 20.
Air diffuser. W. J. J. Fritz. 2,617,479, Nov. 11.
Air distribution baffling about the fuel nozzle of combustion chambers. E. A. Watson and J. S. Clarke. 2,586,751, Feb. 19.
Air distributor. J. L. Fourtier. 2,588,626, Mar. 11.
Air distributor and current collector for circular knitting machines. J. B. Hoyt. 2,620,642, Dec. 9.
Air dome control for ion exchange units. J. N. Swarr. 2,617,765, Nov. 11.
Air drier. D. E. Woodbridge. 2,594,108, Apr. 22.
Air-drying wrinkle finish and making. W. A. Waldie. 2,600,818, June 17.
Air-duct means for air-cooled internal-combustion engines. K. Sonderegger. 2,611,346, Sept. 23.
Air filter. O. L. Allen. 2,591,490, Apr. 1.
Air filter and breather for fluid fuel containers. A. B. McCall. 2,603,308, July 15.
Air filter and needle valve, Combined. C. L. Snyder and J. W. Schroeder. 2,590,217, Mar. 25.
Air-filter machine. D. H. Gray, Jr. 2,621,755, Dec. 16.
Air filter used in textile fiber preparation. K. Strässler. 2,601,008, June 17.
Air flow conveyer. F. J. Cherewick. 2,614,892, Oct. 21.
Air flue in refrigerating apparatus. T. C. Gleason. 2,609,671, Sept. 9.
Airfoil, and particularly helicopter blade. R. Mayne. 2,589,193, Mar. 11.
Airfoil construction. R. H. Young. 2,613,893, Oct. 14.
Air fractionating cycle and apparatus. C. J. Schilling. 2,620,637, Dec. 9.
Air gap construction. J. W. Kalb. 2,614,232, Oct. 14.
Air gun. W. S. Wells. 2,604,088, July 22.
Air gun. U. A. Yates. 2,604,361, July 22.
Air gun breech magazine. W. S. Wells. 2,612,888, Oct. 7.
Air gun for applying plaster. J. J. Widmayer. 2,600,040, June 10.
Air hammer safety valve. C. A. Bushey. 2,601,588, June 24.
Air hay-drying apparatus and making same. A. C. Johnson. 2,590,416, Mar. 25.
Air heater. P. G. Fuentes. 2,620,168, Dec. 2.
Air heater. H. F. MacDonald. 2,606,992, Aug. 12.
Air-heating appliance. B. C. Watts, Jr. 2,580,492, Jan. 1.
Air-heating furnace. M. L. Mueller. 2,620,786, Dec. 9.
Air impeller for refrigerator cars. A. F. O'Connor. 2,604,028, July 22.
Air impeller for refrigerator cars. A. F. O'Connor. 2,605,689, Aug. 5.
Air impelling and heating apparatus. G. Blair. 2,617,915, Nov. 11.
Air inlet screen for gas turbines. J. C. Buechel. 2,623,610, Dec. 30.
Air inlet structure for the engine compartment of streamlined vehicles having rear engines. R. Břežek. 2,585,220, Feb. 12.
Air intake device for water pumps. R. W. Muerle. 2,594,793, Apr. 29.
Air intake for aircraft turbo-propeller power plant. T. C. Gleason. 2,605,851, Aug. 5.
Air intake preheater for automobile engines. K. M. Brownell. 2,610,282, Sept. 9.
Air intake stack for air-cooling of internal-combustion engines. H. J. Stegeman. 2,620,782, Dec. 9.
Air ionizing device for air conditioning purposes. S. Kudelski. 2,617,860, Nov. 11.
Air line automatic drain valve. D. Wilkerson. 2,619,106, Nov. 25.
Air line lubricator for pneumatic tools. H. Gillerstrom. 2,607,441, Aug. 19.
Air line oiler. W. P. Freas. 2,602,523, July 8.
Air-lock system for continuously operated vertical cement kilns. F. P. Somogyi. 2,610,749, Sept. 16.
Air-metering intake. W. E. Hale. 2,595,654, May 6.
Air miles recorder and follow-up system. J. H. Andresen, Jr. 2,600,828, June 17.
Air motor and pump. W. B. Weis. 2,612,143, Sept. 30.
Air moving device. R. C. Troy. 2,613,030, Oct. 7.
Air navigation system. A. L. Rawlings and H. H. Thompson. 2,609,683, Sept. 9.
Air nozzle and ionizing unit for electrostatic air filters. G. F. Landgraf. 2,585,138, Feb. 12.
Air operated ball and roller bearing grease packer. J. E. Drury. 2,615,532, Oct. 28.
Air operated impact press. R. W. Bryant. 2,610,613, Sept. 16.
Air-operated pressure indicating controller. E. E. Larson and C. B. Luther. 2,592,043, Apr. 8.
Air or gas cleaning apparatus. T. W. Carraway. 2,583,252, Jan. 22.
Air outlet device for ventilating apparatus. L. R. Phillips and W. J. Waelder. 2,603,141, July 15.
Air outlet device for ventilating systems. A. R. Gilbert. 2,607,282, Aug. 19.
Air perfuming device. S. P. Boydjieff. 2,614,820, Oct. 21.
Airplane and roadmobile, Tailless convertible. A. J. Gero, Jr. 2,609,167, Sept. 2.
Airplane brake. B. J. Drozinski. 2,612,332, Sept. 30.
Airplane cabin seating arrangement. P. D. Priebe. 2,595,607, May 6.
Airplane, Composite. R. A. Robert. 2,621,000, Dec. 9.
Airplane control. J. L. Atwood and K. Henrichsen. 2,620,150, Dec. 2.
Airplane control. H. I. Libby. 2,588,020, Mar. 4.
Airplane control system. F. W. Ross. 2,611,563, Sept. 23.
Airplane control system, Full-power boost. I. L. Ashkenas. 2,597,769, May 20.
Airplane deicing construction. E. Harpoothian and M. A. Miner. 2,581,760, Jan. 8.
Airplane flap control mechanism. V. B. Butler and W. H. Cook, Jr. 2,620,147, Dec. 2.
Airplane flap supporting and control mechanism. J. E. Bellam. 2,609,166, Sept. 2.
Airplane fuel system with pressure accumulator. M. L. Edwards. 2,612,215, Sept. 30.
Airplane hangar. A. Raymond. 2,590,464, Mar. 25.
Airplane hangar door. J. F. McKee and M. E. Hartzler. 2,610,366, Sept. 16.
Airplane hangar, Individual. H. F. Keller. 2,595,794, May 6.
Airplane, Jet-propelled. G. H. Temte. 2,580,484, Jan. 1.
Airplane maneuvering system. C. M. Young. 2,582,305, Jan. 15.
Airplane power plant with direct cooling of exhaust valves. A. F. Horning, Jr. 2,583,651, Jan. 29.
Airplane pressure differential stall indicator. M. J. Bamber. 2,596,116, May 13.
Airplane propeller. H. J. Kammandel. 2,597,998, May 27.
Airplane provided with jet propulsion means. V. J. Burnelli. 2,586,299, Feb. 19.
Airplane safety device. M. V. Pilcher. 2,591,602, Apr. 1.
Airplane stall warning system. H. E. Dyche, Jr. 2,590,521, Mar. 25.
Airplane warning system. L. M. Greene. 2,611,810, Sept. 23.
Airplane with auxiliary lift means. B. Warchalowski. 2,590,589, Mar. 25.
Airplane with detachable fuselage. J. H. Breazeale, Jr. 2,597,563, May 20.
Airplane with jettisonable wing-tip fuel tanks. Jet-propelled. D. A. Beck and E. A. Eddy. 2,584,961, Feb. 5.
Airplane with movable wing tips. A. C. Haller. 2,582,118, Jan. 8.
Airplane with pivotally mounted sustaining wing. G. G. Spratt. 2,623,712, Dec. 30.
Airplane with variable incidence slotted wing and arrow-like behavior about the lateral axis. S. J. Miláns. 2,587,359, Feb. 26.
Airport fueling mechanism. R. J. Jauch, S. Hinds, F. W. Sturm. 2,600,876, June 17.
Airport lighting system. H. A. Cline. 2,602,850, July 8.
Airport service station. B. P. Kunz. 2,583,181, Jan. 22.
Airport taxiway reflector. R. M. Isenberg. 2,610,548, Sept. 16.
Airport wind indicating and warning system. R. E. Gray. 2,619,527, Nov. 25.
Air preheater for furnaces. C. A. Larson. 2,598,395, May 27.
Air pressure chip collector unit. G. Anthony. 2,603,817, July 22.
Air-pressure operated drawer clamping machine. J. M. Lancaster. 2,583,219, Jan. 22.
Air pump. V. E. Clarke. 2,612,312, Sept. 30.
Air purification device. H. F. Fruth. 2,593,869, Apr. 22.
Air raid shelter. I. Tarján. 2,623,247, Dec. 30.
Air regulator valve. R. H. Kuntz. 2,599,398, June 3.
Air reheat control for heating system. T. J. Lehane and I. S. Gardner. 2,593,038, Apr. 15.
Air scoop for automobiles. G. L. Ritch. 2,594,682, Apr. 29.
Air screen for jet engines. P. P. Newcomb. 2,618,358, Nov. 18.
Air screw, including a resonant pulse jet system. W. L. Tenney and C. B. Marks. 2,612,955, Oct. 7.
Air screw with automatic pitch mechanism. F. Landgraf. 2,614,637, Oct. 21.
Air seal control. N. E. Dietz. 2,604,617, July 22.
Air separator for liquids. A. L. Grise. 2,592,685, Apr. 15.
Air-speed indicator. J. R. Downing. 2,619,836, Dec. 2.
Air-speed indicator with altitude correction. C. S. Brown and C. M. Hunter. 2,606,444, Aug. 12.
Air-speed integrator. J. B. Peterson. 2,609,686, Sept. 9.
Air speed integrator. J. B. Peterson. 2,618,973, Nov. 25.
Air spring dual wheel running gear. E. Mullen and L. H. Garman. 2,597,122, May 20.
Air spring for heavy machinery. R. W. Brown. 2,605,066, July 29.

Air sterilizing method and apparatus. W. M. Grosvenor, Jr. 2,595,674, May 6.
Air sterilizing method and apparatus. W. M. Grosvenor, Jr., and A. P. Davis. 2,595,673, May 6.
Air swept crusher for fluorescent light tubes. A. J. Coon and W. W. Gruel. 2,593,657, Apr. 22.
Air swept partitioned tube mill. J. E. Kennedy. 2,620,987, Dec. 9.
Air tank for automobile tires, Auxiliary. H. G. McQuiston. 2,609,857, Sept. 9.
Air temperature control for carburetors. F. B. Sweeney. 2,616,675, Nov. 4.
Airtight moistureproof closed containers, Making. N. I. Paulsen. 2,603,046, July 15.
Airtight tubular coupling. E. F. Martinet. 2,582,446, Jan. 15.
Air traffic control system. J. Lyman and G. B. Litchford. 2,616,076, Oct. 28.
Air translating apparatus. G. H. Koch. 2,618,435, Nov. 18.
Air translating apparatus. R. S. Radcliffe. 2,620,127, Dec. 2.
Air treatment device. W. H. Haulenbeek and W. F. Sanford. 2,611,679, Sept. 23.
Air turbine starting means for gas turbine power plants. N. C. Price. 2,608,054, Aug. 26.
Air valve. J. T. Myers. 2,580,455, Jan. 1.
Air valve. P. Willis. 2,593,376, Apr. 15.
Air vent and cleaner therefor. S. V. Saplen. 2,609,961, Sept. 9.
Air vent, Vacuum controlled. P. H. Fitzgerald. 2,585,236, Feb. 12.
Air vent valve. E. J. Zeitlin. 2,602,590, July 8.
Air volume control mechanism. A. W. Burks. 2,621,595, Dec. 16.
Air washer. C. F. and W. G. Niehaus. 2,590,342, Mar. 25.
Airway traffic control system. H. C. Kendall and L. H. Orpin. 2,588,930–1, Mar. 11.
Aisle seat. A. L. Luce, Jr. 2,621,708, Dec. 16.
Alarm apparatus for bathtubs, Electric. N. Polikoff. 2,602,846, July 8.
Alarm, Burglar. E. T. Counts and H. Breitenbucher. 2,611,334, Sept. 23.
Alarm clock. C. W. Schulze. 2,607,186, Aug. 19.
Alarm, Closed circuit fire and burglar. H. G. Forrester. 2,599,623, June 10.
Alarm, Closure actuated mechanical. J. P. Barton. 2,600,609, June 17.
Alarm control for alarm clocks. R. J. Rahn. 2,584,920, Feb. 5.
Alarm, Cyclometer clock. L. C. Wuischpard. 2,611,232, Sept. 23.
Alarm device. C. L. Eads. 2,607,313, Aug. 19.
Alarm device, Electric power failure. D. J. Faltz. 2,609,431, Sept. 2.
Alarm device, Smoke-operated electrical. S. Giudice. 2,613,259, Oct. 7.
Alarm, Electric. W., F., and N. Chavis. 2,604,567, July 22.
Alarm, Fluxmeter. E. R. Haberland. 2,596,994, May 20.
Alarm for deaf persons. P. Rody. 2,580,598, Jan. 1.
Alarm for locks. E. A. Jarrett. 2,623,959, Dec. 30.
Alarm for lubricating systems, Low-pressure. E. Topping. 2,615,419, Oct. 28.
Alarm for motor vehicles, Burglar. G. Federuk. 2,607,837, Aug. 19.
Alarm for power failure. S. B. Welch. 2,617,867, Nov. 11.
Alarm for telephone systems, Audible. S. T. Slezak. 2,616,979, Nov. 4.
Alarm gauge. G. E. Ford. 2,620,412, Dec. 2.
Alarm, Liquid level. W. J. Kinderman, and J. W. Williams, 3rd. 2,617,441, Nov. 11.
Alarm, Low water. H. A. Bohuslav. 2,612,147, Sept. 30.
Alarm, Low water. W. M. Smith. 2,610,236, Sept. 9.
Alarm mechanism. J. G. Jones. 2,585,784, Feb. 12.
Alarm sending circuit. C. E. Germanton. 2,580,757, Jan. 1.
Alarm signaling system C. E. Clutts, G. A. Pullis, A. K. Schenck, and L. A. Weber. Re. 23,571, Nov. 11.
Alarm signaling system. C. E. Clutts, G. A. Pullis, A. K. Schenck, and L. A. Weber. 2,583,088, Jan. 22.
Alarm, Supervised electrical. H. L. Newell. 2,582,790, Jan. 15.
Alarm switch. H. S. Malutich. 2,596,704, May 13.
Alarm system, Burglar. A. Krueger. 2,615,083, Oct. 21.
Alarm system, Burglar. F. C. W. Stelter. 2,619,921, Dec. 2.
Alarm system for unattended automatic exchanges. T. Frankel. 2,584,857, Feb. 5.
Alarm system, Supervised. W. Hladky and E. Ciccone. 2,594,771, Apr. 29.
Alarm, Tire pressure. H. G. Benz. 2,620,762, Dec. 9.
Album, Display. R. S. Kalwajtys. 2,616,431, Nov. 4.
Album photo holder or mounting. R. E. Herrick. 2,611,369, Sept. 23.
Alcohol fuel gel. S. B. Wicser. 2,613,142, Oct. 7.
Alcohol-methylol-phenyl ether reaction products. R. W. Martin. 2,606,929, Aug. 12.
Alcohol of high molecular weight, Manufacture of. M. Bigot. 2,607,806, Aug. 19.
Alcohols and gasoline by the oxo process, Production of. W. F. Ratcliff. 2,623,074, Dec. 23.
Alcohols containing at least four carbon atoms, Producing primary. J. W. Copenhaver. 2,604,493, July 22.
Alcohols from carboxylic acids, Preparation of. T. A. Ford. 2,607,807, Aug. 19.
Alcohols, Preparation of. P. H. Carnell. 2,583,413, Jan. 22.
Alcohols, Production of. J. C. Hillyer and J. T. Edmonds, Jr. 2,583,426, Jan. 22.
Alcohols, Production of. E. Peukert and F. Hilberath. 2,621,202, Dec. 9.
Alcoholysis of polyvinyl esters. L. M. Germain. 2,605,259, July 29.
Aldehyde esters, Producing. H. J. Hagemeyer, Jr., and D. C. Hull. 2,610,203, Sept. 9.
Aldehyde reaction products. W. L. Owen. 2,602,082, July 1.
Aldimines. M. D. Hurwitz. 2,582,128, Jan. 8.
Aldonic acids, Preparation of. H. S. Isbell. 2,606,918, Aug. 12.
Alginate sized diazotype sensitized material. S. C. Slifkin. 2,617,727, Nov. 11.
Aligned thread gauge. S. G. Johnson. 2,609,614, Sept. 9.
Aligner for shaft housings. F. Erhardt. 2,597,308, May 20.
Aligning and spacing device for eggs. J. C. Gill. 2,598,905, June 3.
Aligning cathode-ray tube assemblies. R. A. Bloomsburgh. 2,603,550, July 15.
Aligning conveyer chains, Method of and apparatus for. H. H. Talbot. 2,608,288, Aug. 26.
Aligning electrical circuits, Method and apparatus for automatically. K. Enslein. 2,584,004, Jan. 29.
Aligning instrument for printing structures. E. Christen. 2,621,411, Dec. 16.
Aligning mechanism for tape recorders. H. W. Lindsay. 2,622,813, Dec. 23.
Alignment clip. D. D. Tyson. 2,588,673, Mar. 11.
Alignment mandrel. D. T. Peden. 2,584,611, Feb. 5.
Alimentary composition, Cooked tubular. P. E. Jean. 2,615,809, Oct. 28.
Aliphatic acids, Production of. F. W. Banes, W. P. Fitz Gerald, and J. F. Nelson. 2,585,723, Feb. 12.
Aliphatic aldehydes, Production of. H. Pines and V. N. Ipatieff. 2,623,905, Dec. 30.
Aliphatic amido propyl quaternary ammonium salts. E. W. Cook and P. H. Moss. 2,589,674, Mar. 18.
Aliphatic azo compounds having guanyl radicals on tertiary carbon attached to azo nitrogen. R. W. Upson. 2,599,299, June 3.
Aliphatic nitriles, Production of. A. F. MacLean and D. E. Pickart. 2,590,986, Apr. 1.
Alkali aluminum fluoride, Manufacture of. E. Brodal and H. Guldbay. 2,592,113, Apr. 8.
Alkali cellulose compositions. A. B. Savage and R. W. Swinehart. 2,602,083, July 1.
Alkali cellulose, Making. H. O. Samuelson. 2,592,746, Apr. 15.
Alkali cellulose, Production of. M. H. Wilcox, J. Downing, and J. G. N. Drewitt. 2,619,483, Nov. 25.
Alkali cellulose temperature control. D. B. Wicker, G. C. Yehlin, Jr., and J. W. Moody. 2,587,020, Feb. 26.
Alkali metal alkyltoluene sulfonates as emulsifying agents in low temperature emulsion polymerization processes. W. A. Schulze and W. W. Crouch. 2,595,892, May 6.
Alkali metal amides, Preparing. J. Overhoff and J. T. Hackmann. 2,612,436, Sept. 30.
Alkali metal hydroxides by exchange of ions, Production of. W. C. Bauman. 2,606,098, Aug. 5.
Alkali metal salts from alkali metal chlorides, Preparation of. M. Sourdet and J. Martin. 2,601,066, June 17.
Alkali metal salts of organosiloxanols and organosilanetriols, Making. C. W. MacMullen. 2,587,636, Mar. 4.
Alkali metal vinylacetylides, Preparation of. W. J. Croxall and J. O. Van Hook. 2,623,077, Dec. 23.
Alkali resistant alkylene polyamine modified phenol-formaldehyde resin. R. K. Walton. 2,585,196, Feb. 12.
Alkali sulfate salts of ethylene oxide condensation products as emulsifiers for styrene polymerization. M. Kosmin. 2,606,178, Aug. 5.
Alkali treatment of agave and manila hemp fibers to produce flexible fibers. H. Stephanus and J. Rinse. 2,591,315, Apr. 1.
Alkaline accumulator. B. C. J. Kullgren. 2,616,937, Nov. 4.
Alkaline accumulators with so-called double- or twin cells. C. H. O. Lübeck. 2,592,921, Apr. 15.
Alkaline dry cell. S. Ruben. 2,620,368, Dec. 2.
Alkaline dry cell, Hermetically sealed. G. B. Ellis. 2,585,922, Feb. 19.
Alkaline earth metal hydrides and use thereof in reducing refractory oxides, Production of. P. P. Alexander. 2,584,411, Feb. 5.
Alkaline pulping of preimpregnated deciduous wood. H. Miller. 2,599,572, June 10.
Alkaline storage batteries, Manufacturing. M. J. Stumbock. 2,602,826, July 8.
Alkamine esters of 4-alkylaminothiolbenzoic acids. R. O. Clinton. 2,608,574, Aug. 26.
Alkane sulfonic acids, Preparation of. J. K. Fincke. 2,594,411, Apr. 29.
Alkanolamine salts of 2,4,5-trichlorophenoxyacetic acid. R. C. Dosser and L. C. White, Jr. 2,590,815, Mar. 25.

Alkanolamines, Preparing. P. Ferrero, F. Berbé, and L. R. Fiamme. 2,622,073, Dec. 16.
Alkanolamines, Preparing. P. Ferrero, F. Berbé, and L. R. Fiamme. 2,622,099, Dec. 16.
Alkanoyl-α-ethylbenzylureas. R. Duschinsky. 2,612,522, Sept. 30.
Alkaryl sulfonate detergents. K. M. Thompson. 2,615,847, Oct. 28.
Alkenyl thiophenes, Production of. H. Pines and B. Kvetinskas. 2,616,897, Nov. 4.
Alkoxyalkyl iodobenzoates. S. Archer. 2,612,517, Sept. 30.
Alkyd-polysiloxane resins. C. D. Doyle and H. C. Nelson, Jr. 2,587,295, Feb. 26.
Alkyd resin-diisocyanate cellular foamed plastics. E. Simon and F. W. Thomas. 2,591,884, Apr. 8.
Alkyd resins made from a polymerized alcohol and preparation. H. F. Pfann and E. L. Kropa. 2,609,358, Sept. 2.
Alkyl acylamidoacetoacetates, Preparation of. J. A. King. 2,612,518, Sept. 30.
Alkyl α-fluoroacetoxy acrylates, and polymers thereof. J. B. Dickey and T. E. Stanin. 2,611,761, Sept. 23.
Alkylaryl sulfonate-hydroxyethyl-cellulose detergent composition. L. R. Bacon, C. E. Smith and T. H. Vaughn. 2,602,781, July 8.
Alkyl benzyl tetrachlorophthalates. H. R. Gamrath, and W. E. Weesner. 2,617,820, Nov. 11.
Alkyl carbonates of lactates. C. E. Rehberg. 2,615,914, Oct. 28.
Alkyl chlorides, Manufacture of. G. W. Mattson. 2,622,107, Dec. 16.
Alkylcyclopentane hydrocarbons and benzenoid hydrocarbons, Production of. H. Pines and V. N. Ipatieff. 2,597,372, May 20.
Alkyl esters of aminocarbothiolic acids. C. S. Marvel and R. E. Miegel. 2,592,443, Apr. 8.
Alkyl esters of O-carboxyphenylthioantimony dichloride, Lower. P. F. Wiley. 2,606,201, Aug. 5.
Alkyl lead compounds, Manufacture of. G. Calingaert and H. Shapiro. 2,591,509, Apr. 1.
Alkyllead compounds with calcium-lead alloys, Manufacture of. I. T. Krohn and H. Shapiro. 2,594,183, Apr. 22.
Alkyllead compounds with calcium-lead alloys, Manufacture of. H. Shapiro and I. T. Krohn. 2,594,225, Apr. 22.
Alkylmercaptoalkyl phosphites. D. Harman. 2,587,616, Mar. 4
Alkyl quinolines and alkenyl quinolines, Production of. C. R. Wagner. 2,592,625, Apr. 15.
Alkyl styrene sulfonates and process for their production. H. W. Coover, Jr., and J. B. Dickey. 2,616,917, Nov. 4.
(Alkylsulfonamidoalkyl) arylhydrazines. J. R. Thirtle and A. Weissberger. 2,618,656, Nov. 18.
Alkyl sulfone derivatives of 1:4-diaroylamino 6:7-dichloro anthraquinones. W. Jenny and W. Kern. 2,614,109, Oct. 14.
Alkyl thiophene sulfonate wetting agents and making same. P. D. Caesar, P. G. Waldo, and D. J. Crowley. 2,614,084, Oct. 14.
Alkyl thiophenes, Preparation of. W. J. Zimmerschied and R. C. Arnold. 2,585,292, Feb. 12.
Alkylthiosulfenyl dithiocarbamates as vulcanization accelerators. C. M. Himel and L. O. Edmonds. 2,586,769, Feb. 26.
Alkylation-dealkylation process. B. B. Corson and W. M. Kuts. 2,589,057, Mar. 11.
Alkylation of aromatic compounds. G. L. Hervert and H. S. Bloch. 2,589,253, Mar. 18.
Alkylation of aromatic hydrocarbons. H. Pines and V. N. Ipatieff. 2,584,103, Feb. 5.
Alkylation of isoparaffins. H. Pines. 2,594,343, Apr. 29.
Alkylation of isoparaffins with isomerized olefins. S. H. McAllister. 2,591,367, Apr. 1.
Alkylation of p-alkoxyphenols. R. H. Rosenwald. 2,616,931, Nov. 4.
Alkylation of thiophene. W. J. Zimmerschied and R. C. Arnold. 2,609,375, Sept. 2.
Alkylation process. C. E. Adams, W. A. Proell, and E. G. Ballweber. 2,585,983, Feb. 19.
Alkylation process, Two-stage. A. V. Mrstik. 2,618,669, Nov. 18.
Alkylation reactor. A. V. Mrstik. 2,618,534, Nov. 18.
Alkylene oxide condensation products, Producing. R. A. Wilson. 2,586,767, Feb. 19.
Alkylene oxide-methylol phenol reaction products. R. W. Martin. 2,606,934–5, Aug. 12.
Alkylene polyamine methylene phosphonic acids. F. C. Bersworth. 2,599,807, June 10.
Alkylidene-alkoxyarylalkylamines and preparation thereof. H. D. Hartough and J. J. Dickert, Jr. 2,582,867, Jan. 15.
Alkylidenecyanoacetates and improved process for preparation thereof. E. J. Cragoe, Jr. 2,623,060, Dec. 23.
All-purpose garment hanger. E. C. Lausch. 2,609,977, Sept. 9.
All stock control gate. L. R. Hively. 2,587,318, Feb. 26.
All-weather window. L. J. Milone. 2,611,934, Sept. 30.
Alley sweep for textile mills. H. E. Clark. 2,614,281, Oct. 21.
Alligator shear blade mounting. L. L. Hercik. 2,593,144, Apr. 15.

Alloy: *See*—
Aluminum alloy.
Hot workable nickel alloy.
Lead base alloy.
Lead cable sheath alloy.
Magnetic alloy.
Oxidation-carburization resistant alloy.
Quaternary bismuth alloy.
Silver solder alloy.
Titanium base alloy.
Tungsten alloy.

Alloy for heat and corrosion resisting coating. H. E. Gresham, M. A. Wheeler, and D. W. Hall. 2,621,122, Dec. 9.
Alloy for the preparation of titanium-boron steel. V. V. Efimoff. 2,616,797, Nov. 4.
Alloy metals for use in dental castings. H. P. Owens, and E. Grady. 2,617,725, Nov. 11.
Alloy resistance element and manufacturing same. E. Weber and S. A. Johnson. 2,586,752, Feb. 19.
Alloy steels. H. W. Kirkby and C. Sykes. 2,590,835, Apr. 1.
Alloying copper and iron. C. H. Audette. 2,613,148, Oct. 7.
Alloying high carbon steel and copper. C. H. Audette. 2,622,978, Dec. 23.
Alloying process in bonding of metals. R. D. Wasserman. 2,583,163, Jan. 22.
Alloys. J. M. Lohr. 2,581,420, Jan. 8.
Alloys and rectifiers made thereof. K. Lark-Horovitz and R. M. Whaley. 2,588,253, Mar. 4.
Alloys and rectifiers made thereof. K. Lark-Horovitz and R. M. Whaley. 2,615,966, Oct. 28.
Alloys and rectifiers made thereof. K. Lark-Horovitz and R. M. Whaley. 2,600,997, June 17.
Alloys, Ferrous. J. P. Gill. 2,588,514, Mar. 11.
Allyl alcohol-styrene copolymers. E. C. Shokal and P. A. Devlin. 2,588,890, Mar. 11.
Allylated trimethylene trisulfones. A. E. Smith. 2,591,020, Apr. 1.
Alnico ingot from manufacturing wastes, Production of. M. Pesses. 2,611,692, Sept. 23.
Alpha-acylamino acrylamides and polymers thereof. H. W. Coover, Jr., and J. B. Dickey. 2,592,248, Apr. 8.
Alpha-acylamino styrenes. J. B. Dickey and T. E. Stanin. 2,588,968, Mar. 11.
Alpha-alkyl-beta-arylnitroethenes. R. V. Heinzelmann. 2,601,282, June 24.
Alpha, alpha'-dithiodialdehydes. W. D. Niederhauser. 2,580,695, Jan. 1.
α,α-N-trimethyl succinimide. R. W. Stoughton. 2,614,106, Oct. 14.
α-amino-α,α-diphenyl-acetic acid, Preparation of. R. Duschinsky. 2,593,860, Apr. 22.
Alpha-amino anthraquinone, Preparation of. J. A. McSheehy and W. A. Raimond. 2,610,971, Sept. 16.
Alpha-amino,4,6,6-trimethyl heptanoic acid. R. N. MacDonald. 2,612,521, Sept. 30.
Alpha-amino-gamma-lactones. C. Schuster. 2,605,268, July 29.
α-aryl-β-alkoxyacrylonitriles and preparing same. P. B. Russell and N. Whittaker. 2,609,384, Sept. 2.
α,β-dichloroethylsilanes. L. H. Sommer. 2,605,273, July 29.
Alpha-beta unsaturated ketones and aralkyl carboxylic acids, Preparation of. F. W. Shaver. 2,587,540, Feb. 26.
Alpha-bromoethylpentachlorobenzene. S. D. Ross, M. Markarian and M. Nazzewski. 2,602,823, July 8.
Alpha-carbalkoxyalkyl methacrylates, Production of. C. H. Fisher, E. M. Filachione, and M. L. Fein. 2,599,549, June 10.
Alpha-glycol sulfuric esters, Preparation of. R. A. Dinerstein and R. E. Van Strien. 2,595,341, May 6.
α-halo-p-nitroacetophenone, Preparation of. J. M. Wilkinson, G. W. Pedlow, aand R. W. Wynn. 2,619,505, Nov. 25.
Alpha hydroxy phosphonates, Preparation of. A. R. Stiles. 2,593,213, Apr. 15.
Alpha-mercapto-carboxylic acids, Producing. R. J. Coons and C. A. Todaro. 2,594,030, Apr. 22.
Alpha-(metallo-formyl)-beta-alkoxy-propionic acid esters, Producing. G. A. Stein and J. R. Stevens. 2,591,313, Apr. 1.
Alpha-naphthol by catalytic reduction of alpha-tetralol and alpha-tetralone, Production of. R. Johnson. 2,595,266, May 6.
Alpha olefins, Production of. G. M. Good and B. S. Greensfelder. 2,611,789, Sept. 23.
Alpha, omega-thiocyanoalkanol insecticidal compositions and their use. N. E. Searle. 2,620,290, Dec. 2.
α-Phenylamino-propionic acid amidine and its salts. K. Miescher and E. Urech. 2,613,225, Oct. 7.
Alpha sodium tetrasilicate, Manufacture of. J. H. Wills. 2,585,609, Feb. 12.
Alphabet and numeral repeat printing mechanism. E. J. Rabenda, R. E. Page and H. S. Beattie. 2,602,394, July 8.
Alphabet- and numeral-teaching guide. F. P. Mauser. 2,584,601, Feb. 5.
Alphabet, digit, and address printing device. F. M. Carroll and A. F. Smith. 2,580,729, Jan. 1.
Alternate object display apparatus. H. S. White. 2,597,605, May 20.
Alternate route system for centralized traffic control. W. M. Barker. 2,619,529, Nov. 25.

Alternating actuator for a pair of flexible cords. W. L. Berger. 2,620,534, Dec. 9.
Alternating current frequency converter. W. C. Roe. 2,603,769, July 15.
Alternating current impedance bridge. N. F. Moody and D. M. McCallum. 2,623,929, Dec. 30.
Alternating current measurement bridge. W. H. Tucker. 2,600,342, June 10.
Alternating current motor. W. H. Petersen. 2,582,652, Jan. 15.
Alternating current or direct current timing motor. J. G. Putnocky, Jr. 2,624,017, Dec. 30.
Alternating current plunger type solenoid. R. C. Olson. 2,582,351, Jan. 15.
Alternating current rectifier. F. E. Smith. 2,594,594, Apr. 29.
Alternating current rectifier of the dry surface contact type. R. H. Cubitt and R. G. Sell. 2,588,806, Mar. 11.
Alternating current synchronous induction disk motor with means for eliminating backlash and overrun of gear trains associated with electric motors. F. A. Pearson. 2,597,369, May 20.
Alternating electric current transformer. S. Stimler. 2,598,617, May 27.
Alternating piston rotary motor. T. Duckworth. 2,620,778, Dec. 9.
Alternating-voltage compression. W. W. Moe. 2,581,124, Jan. 1.
Alternative control system for fluid-operated motors. B. E. Treganowan. 2,618,243, Nov. 18.
Alternator and rectifier mounting. R. C. Ogilvy. 2,588,156, Mar. 4.
Altimeter, Circuit controlling. O. S. Field and S. N. Wight. 2,609,684, Sept. 9.
Altimeter control of servo system. J. H. Broadbent and H. R. Mitchell. 2,580,512, Jan. 1.
Altimeter, Portable. J. O. Kirwan. 2,609,691, Sept. 9.
Altimeter switch. R. W. Hewes. 2,613,329, Oct. 7.
Altitude control system. R. L. Divoll. 2,593,014, Apr. 15.
Altitude controlling autopilot for aircraft. J. Nash. 2,597,892, May 27.
Altitude indicator system. B. W. Pike. 2,589,860, Mar. 18.
Altitude warning signal system. J. S. Baker. 2,602,111, July 1.
Alumina extraction. F. R. Archibald. 2,604,379, July 22.
Alumina hydrate sols, Producing. M. F. Bechtold and H. M. Stark. 2,590,833, Apr. 1.
Alumina-platinum-combined halogen catalyst, Preparation of an. V. Haensel. 2,611,749, Sept. 23.
Alumina-platinum-halogen catalyst, Preparation of. V. Haensel. 2,582,428, Jan. 15.
Alumina-platinum-halogen catalyst, Preparation of. V. Haensel. 2,623,861, Dec. 30.
Alumina values, Production of. W. A. James. 2,591,436, Apr. 1.
Aluminous brazing product and brazing. M. A. Miller. 2,602,413, July 8.
Aluminum alloy. H. E. Gresham and D. W. Hall. 2,586,647, Feb. 19.
Aluminum alloy tubing and product, Making. R. V. Bobb and R. G. Brunger. 2,614,053, Oct. 14.
Aluminum and magnesium soaps, Preparation of. J. V. Hunn. 2,582,833, Jan. 15.
Aluminum-armored cables, Producing. W. G. Reynolds. 2,607,109, Aug. 19.
Aluminum base alloy for metal evaporation. A. R. Weinrich. 2,589,175, Mar. 11.
Aluminum base alloys. C. B. Willmore. 2,584,772, Feb. 5.
Aluminum borohydride, Preparation of. H. I. Schlesinger and H. C. Brown. 2,599,203, June 3.
Aluminum chlorhydroxy and borate gels. T. Govett and M. L. Almquist. 2,607,658, Aug. 19.
Aluminum coating composition, Stabilized ready mixed. W. T. Walton and W. C. Spitzer. 2,591,646, Apr. 1.
Aluminum creel. F. M. McDonald. 2,582,875, Jan. 15.
Aluminum die-casting machine. W. B. Beuscher. 2,585,297, Feb. 12.
Aluminum-magnesium alloys. H. S. Cooper. 2,583,473, Jan. 22.
Aluminum optical mirror and making same. J. A. Howe and M. T. Nevalonny. 2,585,128, Feb. 12.
Aluminum paste pigment. J. D. Edwards. 2,591,245, Apr. 1.
Aluminum, Production of. E. S. Murphy and S. A. Davidson. 2,606,814, Aug. 12.
Aluminum soaps. W. K. Dean. 2,620,345, Dec. 2.
Aluminum solder composition. E. E. Stephens. 2,622,035, Dec. 16.
Aluminum sulfamate antiperspirant. L. D. Apperson and E. L. Richardson. 2,586,288, Feb. 19.
Aluminum sulfamate antiperspirant preparation. L. D. Apperson and E. L. Richardson. 2,586,287, Feb. 19.
Amalgam carrier. H. L. Call. 2,603,871, July 22.
Amalgamator. L. Brunetti. 2,614,693, Oct. 21.
Amalgamator. A. Ferguson. 2,614,756, Oct. 21.
Ambient temperature compensating means for automatic circuit breakers. E. Besag, W. E. Hill, and T. D. G. Wintle. 2,606,062, Aug. 5.
Ambulatory commode vehicle. G. Camisa and G. E. Hecker. 2,614,610, Oct. 21.
Ambulatory reciprocator. C. D. Denison. 2,614,609, Oct. 21.
Amide derivatives and making same. O. Albrecht. 2,590,073, Mar. 25.
Amide-epoxide compositions, etc. S. O. Greenlee. 2,589,245, Mar. 18.
Amide synthesis. J. R. Vaughan, Jr. 2,617,796, Nov. 11.
Amides having tertiary carbon attached to amido nitrogen, Preparation of. W. F. Gresham and W. E. Grigsby. 2,601,387, June 24.
Amides of alkylenimines and β-keto acids and producing the same. G. D. Jones. 2,587,329, Feb. 26.
Amides of 9,10-dihydroxystearic acid. D. Swern, E. T. Roe and J. T. Scanlan. 2,605,270, July 29.
Amides, Preparing. G. W. Anderson. 2,617,794, Nov. 11.
Amides, Preparing. J. R. Vaughan, Jr. 2,617,795, Nov. 11.
Amides, Preparing. R. W. Young. 2,617,793, Nov. 11.
Amido-amide derivatives of dibasic acids and preparing the same. H. B. Goldstein and S. T. Clary. 2,609,381, Sept. 2.
Amido-amide derivatives of oxalic acid and preparing the same. H. B. Goldstein and S. T. Clary. 2,609,380, Sept. 2.
Amidoester waxes and forming. O. Turinsky. 2,607,783, Aug. 19.
Amidothiophosphates. L. R. Drake. 2,615,039, Oct. 21.
Aminating halomethylated copolymers. E. L. McMaster. 2,616,877, Nov. 4.
Amine absorbent gas treating system. H. D. Frazier and F. C. Riesenfeld. 2,608,462, Aug. 26.
Amine-epoxide compositions. S. O. Greenlee. 2,585,115, Feb. 12.
Amine gas treater, Portable. E. A. McClendon. 2,616,513, Nov. 4.
Amine salicylate ointment. O. Gaudin. 2,596,674, May 13.
Amine salt of penicillin. A. P. Granatek. 2,585,239, Feb. 12.
Amines, Production of. P. Davies, P. W. Reynolds, R. R. Coats and A. W. C. Taylor. 2,609,394, Sept. 2.
Amino acid salts of mersalyl and preparing the same. W. H. Feinstone. 2,581,397, Jan. 8.
Amino alcohol esters of aliphatic, alicyclic carboxylic acids. C. H. Tilford and M. G. Van Campen, Jr. 2,583,450, Jan. 22.
Amino alicyclic compounds, Preparation of. A. E. Barkdoll, C. D. Bell and E. R. Graef. 2,606,928, Aug. 12.
Amino alkanoyl phenothiazine derivatives and the production thereof. J. W. Cusic. 2,591,679, Apr. 8.
Aminoalkylamino isoquinoline compounds. R. A. Robinson. 2,593,798, Apr. 22.
Aminoalkyl derivatives of thiophene. H. D. Hartough and S. J. Lukaslewicz. 2,612,505, Sept. 30.
Aminoalkyl esters of α,α-diaryl-γ,δ unsaturated aliphatic acids and the production thereof. C. P. Krimmel. 2,619,499, Nov. 25.
Aminoalkyl esters of N,N-diarylanthranilic acids and salts thereof. C. P. Krimmel. 2,596,156, May 13.
Aminoalkyl hydroxynaphthyl ketones and salts thereof. R. R. Burtner. 2,606,208, Aug. 5.
Amino aroyl acetonitriles, Preparing. L. M. Schenck. 2,610,979, Sept. 16.
Amino-aryl-pyridyl-alkanols and their esters. K. Hoffmann and E. Tagmann. 2,601,141, June 17.
Amino-coumarin-sulfonates. F. Ackermann. 2,600,375, June 17.
Amino derivatives of glucopyranose polymers. K. M. Gaver, E. P. Lasure, and L. M. Thomas. 2,621,174, Dec. 9.
Aminoesters of N-substituted pyrrolidine 2,5-dicarboxylic acids. A. J. Hill and J. T. Maynard. 2,596,099, May 13.
Amino ethyl ethers of picolinyl carbinols. R. S. Shelton and C. H. Tilford. 2,606,191, Aug. 5.
Amino ethyl ethers of pyridyl carbinols. R. S. Shelton and C. H. Tilford. 2,606,190, Aug. 5.
Amino hydroxy compounds by hydrogenation of nitro hydroxy compounds, Production of. P. F. Tryon. 2,587,572, Feb. 26.
Aminoketones, Preparing. M. Asscher. 2,585,988, Feb. 19.
Amino phenols as rich mixture additives. G. H. Denison, Jr. 2,622,971, Dec. 23.
Aminophenylsulfonylphenylaminoalkanoic acids. A. L. Rawlins. 2,589,211, Mar. 18.
Aminophosphono-halo-alkanals and preparation thereof. E. C. Ladd and M. P. Harvey. 2,597,938, May 27.
Aminophthalidylalkane salts, Preparation of. G. E. Ullyot. 2,581,986, Jan. 8.
Aminophylline fatty alcohol suppository. E. K. Harvill. 2,586,329, Feb. 19.
Amino salts of boric acid-aliphatic polyhydroxy carboxylic acid condensation product. D. Curtis. 2,582,191, Jan. 8.
Aminothiodiazoles. U. Hörlein. 2,619,489, Nov. 25.
Aminoplast compositions and products, Modified. H. P. Wohnsiedler and E. L. Kropa. 2,582,730, Jan. 15.
Ammonia, Production of. W. Gray. 2,610,106, Sept. 9.
Ammoniated dentifrice. R. G. Kesel. 2,622,058, Dec. 16.
Ammonium nitrate-containing composition, Producing. J. Taylor and J. Whetstone. 2,590,054, Mar. 18.
Ammonium nitrate explosive. J. A. Farr. 2,602,026, July 1.

Ammonium nitrate explosive. J. A. Farr. 2,602,732, July 8.
Ammonium nitrate in free-flowing form and preparing same. J. Whetstone. 2,616,786, Nov. 4.
Ammonium nitrate, Manufacture of. J. E. Greer and R. W. Lawrence. 2,619,405, Nov. 25.
Ammonium penicillin, Preparation of. K. Hallas-Moller and K. Petersen. 2,590,403, Mar. 25.
Ammonium salts of copolymer compositions, Preparing. H. Robinette, Jr. and C. W. Pfeifer. 2,621,169, Dec. 9.
Ammonium sulfate, Production of. C. Otto. 2,599,067, June 3.
Ammonium sulfate, Production of. A. J. Shmidl. 2,586,729, Feb. 19.
Ammonium sulfate recovery. R. G. Dunning. 2,610,906, Sept. 16.
Ammonium sulfite, Making. R. T. Collier. 2,581,752, Jan. 8.
Ammonium thiosulfate. H. V. Farr and J. R. Ruhoff. 2,586,459, Feb. 19.
Ammonization. P. Kalkinger. 2,614,040, Oct. 14.
Ammunition. P. P. Alexander. 2,611,316, Sept. 23.
Ammunition. R. S. Holmes. 2,582,124–5, Jan. 8.
Ammunition booster. E. Pataki. 2,617,330, Nov. 11.
Ammunition cartridge gauge. H. Wandrus. 2,585,521, Feb. 12.
Ammunition conveyer for guns. E. W. Farrell. 2,587,607, Mar. 4.
Ammunition link ejection chute. E. Kolehmainen. 2,596,252, May 13.
Ammunition positioning device for guns. G. W. Kinzelman. 2,622,483, Dec. 23.
Ammunition supply system for automatic firearms. E. C. Fonseca and S. Green. 2,610,549, Sept. 16.
Amphoteric cellulose derivatives. C. L. P. Vaughan. 2,591,748, Apr. 8.
Amphoteric vinyl interpolymers. G. D. Jones. 2,611,763, Sept. 23.
Amplifier. H. W. Becker. 2,595,444, May 6.
Amplifier and automatic limiter, Inverter. D. L. Hings. 2,586,230, Feb. 19.
Amplifier and electrode structures therefor, Semiconductor. J. Bardeen and W. H. Brattain. 2,589,658, Mar. 18.
Amplifier, Audio-frequency. P. C. Michel. 2,599,271, June 3.
Amplifier, Balanced input high-frequency. K. N. Fromm. 2,613,285, Oct. 7.
Amplifier, Band pass. J. C. Achenbach, S. I. Tourshou, and D. Mackey. 2,585,717, Feb. 12.
Amplifier, Beam deflection tube. R. R. Law and F. H. Norman. 2,585,798, Feb. 12.
Amplifier, Cascade-connected semiconductor. W. M. Webster, Jr. 2,595,496, May 6.
Amplifier, Cathode follower. D. G. C. Hare. 2,613,286, Oct. 7.
Amplifier circuit. R. B. Sanger. 2,619,613, Nov. 25.
Amplifier circuits, Electronic. T. J. Boland. 2,606,316, Aug. 5.
Amplifier, Class AB operation of horizontal sweep. L. W. Parker. 2,583,012, Jan. 22.
Amplifier, Coincidence. H. D. Farnsworth. 2,591,247, Apr. 1.
Amplifier, Cold cathode gas tube. H. Jacobs and J. R. Martin. 2,590,863, Apr. 1.
Amplifier, Computing. I. H. Swift. 2,581,456, Jan. 8.
Amplifier counter, Sensitive pulse. E. F. Wright, Jr. 2,609,511, Sept. 2.
Amplifier, Crystal. E. T. Casellini. 2,595,052, Apr. 29.
Amplifier, Direct-coupled. H. L. King. 2,590,104, Mar. 25.
Amplifier, Direct-coupled. R. P. Nelson. 2,620,406, Dec. 2.
Amplifier, Dynamometer converter. C. F. Taylor. 2,602,917, July 8.
Amplifier, Electric wave. L. J. Heaton-Armstrong. 2,581,410, Jan. 8.
Amplifier, Electron discharge. R. F. Foster. 2,597,629, May 20.
Amplifier, Electronic light. L. de Forest. 2,594,740, Apr. 29.
Amplifier for centimeter waves. K. S. Knol and A. van der Ziel. 2,616,990, Nov. 4.
Amplifier for delivering high power to low impedance loads, Thermionic power. B. M. Hadfield. 2,623,130, Dec. 23.
Amplifier for rail flaw detector mechanisms. R. N. Strachl. 2,618,687, Nov. 18.
Amplifier for stabilizing small unidirectional signals. L. Stanton. 2,615,064, Oct. 21.
Amplifier for television, Tunable band pass. J. C. Achenbach. 2,581,159, Jan. 1.
Amplifier, Frequency discriminatory. J. P. McGuire, H. J. Reed, Jr., and G. R. Paine. 2,622,157, Dec. 16.
Amplifier gas tube. W. M. Webster, Jr. 2,611,880, Sept. 23.
Amplifier gas tube. W. M. Webster, Jr., and G. W. Bain, Jr. 2,611,884, Sept. 23.
Amplifier, Gaseous pulse. G. E. Hagen. 2,612,617, Sept. 30.
Amplifier, Glow tube pulse. C. R. Williams and G. E. Hagen. 2,582,367, Jan. 15.
Amplifier having variable gain and variable band width, Video. R. M. Crooker and G. J. Heisig. 2,584,332, Feb. 5.
Amplifier, High fidelity. H. W. Becker. 2,595,443, May 6.
Amplifier, High-frequency. J. R. Pierce. 2,602,148, July 1.
Amplifier, High input impedance transistor. G. Bergson. 2,609,459, Sept. 2.
Amplifier, Light. I. A. Greenwood, Jr., and E. B. Hales. 2,605,335, July 29.
Amplifier, Mechanical torque. E. Gretener and K. Ehrat. 2,586,941, Feb. 26.
Amplifier, Microwave. F. Lüdi. 2,622,158, Dec. 16.
Amplifier, Microwave. H. V. Neher. 2,582,846, Jan. 15.
Amplifier, Microwave. P. L. Spencer. 2,620,458, Dec. 2.
Amplifier, Multistage cascade. B. M. Charchian. 2,615,998, Oct. 28.
Amplifier, Negative feedback. E. L. C. White and E. A. Newman. 2,598,326, May 27.
Amplifier network. J. D. Noe. 2,580,822, Jan. 1.
Amplifier, Neutralized regenerative. C. A. Hultberg. 2,621,264, Dec. 9.
Amplifier, Phase inverter. L. R. Bourget. 2,618,711, Nov. 18.
Amplifier, Pulse. G. J. Scoles. 2,621,263, Dec. 9.
Amplifier, Relay-operated. F. G. Willey. 2,581,138, Jan. 1.
Amplifier, Self-balancing push-pull. K. Rodenhuis. 2,616,988, Nov. 4.
Amplifier, Self-correcting. W. D. Lewis. 2,592,716, Apr. 15.
Amplifier system. H. G. de France and H. Ernyel. 2,589,542, Mar. 18.
Amplifier, Two-stage hydraulic. E. R. Walthers. 2,582,088, Jan. 8.
Amplifier using condenser with voltage-responsive dielectric. G. Hepp. 2,616,989, Nov. 4.
Amplifier, Voice-operated constant-level. E. H. Ross. 2,594,807, Apr. 29.
Amplifier, Voltage selective. O. L. MacSorley. 2,600,120, June 10.
Amplifier with grounded positive and balanced input circuit, Recorder. F. A. Hester. 2,609,442, Sept. 2.
Amplifier with muting means. N. Feiner and S. H. Gershater. 2,596,138, May 13.
Amplifier with synchronized chopper and rectifier with phase sense, Direct current. G. Ellis. 2,591,345, Apr. 1.
Amplifying circuit arrangement with periodically varying load connected in the cathode circuit. G. Salmet. 2,616,987, Nov. 4.
Amplifying comparator with differential screw. I. T. Wedin. 2,603,876, July 22.
Amplifying dynamoelectric machine of the metadyne type. J. M. Pestarini. 2,610,316, Sept. 9.
Amplifying system. J. Longo, S. I. Tourshou, and R. J. Lewis. 2,584,213, Feb. 5.
Amplifying system. C. H. Young. 2,594,530, Apr. 29.
Amplifying system, High-frequency. R. P. Marié. 2,594,954, Apr. 29.
Amplitude comparison circuit. P. D. Heath. 2,611,861, Sept. 23.
Amplitude limiting circuit arrangement. W. Beukema. 2,616,967, Nov. 4.
Amplitude limiting means for vibration dampers. G. T. Bynum, E. H. Olson, and F. J. Wiegand. 2,592,114, Apr. 8.
Amplitude modulation. L. L. Koros. 2,604,533, July 22.
Amplitude modulation of magnetrons. J. S. Donal, Jr. 2,620,467, Dec. 2.
Amplitude modulation system. J. M. Villemagne. 2,591,749, Apr. 8.
Amplitude modulator of the outphasing type. W. E. Evans, Jr. 2,624,041, Dec. 30.
Amplitude modulator with double yield. W. Altar. 2,623,993, Dec. 30.
Ampoule. C. Sommerstein. 2,590,900, Apr. 1.
Ampoule, Automatic injecting. J. J. Parrine. 2,609,818, Sept. 9.
Ampoule washing machine. J. Torigian. 2,619,976, Dec. 2.
Amusement blowing device. S. C. Stein and O. M. Monkres. 2,621,042, Dec. 9.
Amusement device, Aquatic. W. H. Long. 2,581,545, Jan. 8.
Amusement device for testing a person's timing ability. V. A. Peterson. 2,587,381, Feb. 26.
Amusement device, Magnetic racing. D. C. Parke and R. E. Sealer. 2,594,678, Apr. 29.
Amusement device, Motor propelled. J. F. and C. J. Sipior. 2,603,301, July 15.
Amusement device, Simulated crane. E. J. Collins, R. H. Breither and D. Pearl. 2,600,849, June 17.
Amusement ride. S. S. Hester. 2,601,832, July 1.
Amusement track apparatus. E. T. J. Tapp and J. Davey. 2,595,992, May 6.
Amyl nitrate, Manufacture of. J. B. Hinkamp, R. Sugimoto, and H. R. Dittmar. 2,618,650, Nov. 18.
Amylose films, The production of. I. A. Wolff, H. A. Davis, J. E. Cluskey and L. J. Gundrum. 2,608,723, Sept. 2.
Anacardic material-pine wood extract reaction product. P. L. Rosamilia and S. Caplan. 2,618,619, Nov. 18.
Anaerobic digester. R. P. Logan. 2,605,220, July 29.
Analysis of composite gas mixtures, Making. L. V. Guild. 2,591,808, Apr. 8.

Analytical balance. E. K. Mettler and J. Meier. 2,581,807, Jan. 8.
Analytical method. J. F. Haller. 2,617,715, Nov. 11.
Analytical rhombus. J. C. Pallitto. 2,593,914, Apr. 22.
Analyzer. Q. A. Kerns, L. W. Whitcomb, and E. E. Brown. 2,620,256, Dec. 2.
Analyzer and transfer unit in tabulating and like machines. W. Wockenfuss. 2,588,190, Mar. 4.
Analyzer for determining the fundamental frequency of a complex wave. E. Peterson. 2,593,695, Apr. 22.
Analyzer gauge. P. W. Johnson. 2,586,053, Feb. 19.
Anatomical contact-forming dental matrix band. B. F. Toffiemire. 2,591,744, Apr. 8.
Anatomical contact-forming dental matrix band for anterior teeth. B. F. Toffiemire. 2,611,182, Sept. 23.
Anchor. J. V. Crawford and R. W. Jensen. 2,593,111, Apr. 15.
Anchor. T. R. Gardiner. 2,610,601, Sept. 16.
Anchor. R. R. Majors. 2,595,966, May 6.
Anchor. J. S. Page. 2,603,292, July 15.
Anchor device for construction blocks. E. Hollopeter. 2,605,668, Aug. 5.
Anchor for adjacent slabs of concrete pavements. L. G. Blackhall. 2,588,609, Mar. 11.
Anchor for cargo tie-down devices. E. D. Grizzard, F. R. Collar, and J. C. Mitchell. 2,614,871, Oct. 21.
Anchor for decoys. F. W. Wenner. 2,589,913, Mar. 18.
Anchor for gopher traps. E. L. Roberts. 2,583,749, Jan. 29.
Anchor for high-tension loading bands for gondola cars. E. G. Goodwin. 2,613,614, Oct. 14.
Anchor hitch for implements. H. P. Petersen. 2,621,740, Dec. 16.
Anchor raising and lowering means. A. E. Rogers. 2,599,200, June 3.
Anchorage for artificial teeth. R. E. Hall. 2,600,496, June 17.
Anchoring and connecting means for strain-cored electrical cables. E. O. Schonstedt. 2,590,131, Mar. 25.
Anchoring device. W. W. Ferris. 2,588,712, Mar. 11.
Anchoring device for decoys. W. E. Huebner. 2,608,361, Aug. 26.
Anchoring device for lading straps and other cargo-binding elements. A. C. Tuttle. 2,623,477, Dec. 30.
Anchoring device for signposts. P. C. Pancake. 2,580,948, Jan. 1.
Anchoring means for adjustable backs of metal chairs. H. T. Hallowell, Jr., and F. Bennett. 2,614,614, Oct. 21.
Anchoring means for the canopy of a combination sun shade and clothes drier. H. L. Griffin. 2,598,687 June 3.
Andiron. H. H. Gilbert. 2,600,753, June 17.
Andirons with auxiliary log packing means, Fireplace. R. E. Wellman. 2,585,523, Feb. 12.
Androgenic composition. C. T. Van Meter. 2,600,344, June 10.
Androstatrienes and preparing the same. S. Bernstein and K. J. Sax. 2,593,248, Apr. 15.
Angle block and manufacture. R. J. and I. J. Rahn. 2,601,630, June 24.
Angle comparator. J. Ruze. 2,587,653, Mar. 4.
Angle computer and work holder. A. A. Studler. 2,595,424, May 6.
Angle cutter and work gauge for saws, Combined. W. E. Johnson. 2,606,580, Aug. 12.
Angle drive. C. A. Koza. 2,582,336, Jan. 15.
Angle gear-transmission coupling for rotary tools. C. Kostka. 2,589,822, Mar. 18.
Angle modulated carrier wave receiver. J. Avins. 2,595,441, May 6.
Angle modulated signal demodulator system. J. C. Tellier. 2,598,084, May 27.
Angle post and shoring head. T. Sato. 2,613,904, Oct. 14.
Angle post tie bar. T. Sato. 2,580,960, Jan. 1.
Angle-swept potentiometer. A. J. Klose. 2,622,177, Dec. 16.
Angling means for disk harrows. C. H. Youngberg. 2,598,959, June 3.
Angular contact ball bearing. M. Frenkel. 2,623,796, Dec. 30.
Angular drive. E. W. Ristow. Re. 23,596, Dec. 9.
Angular drive. E. W. Ristow. 2,604,795, July 29.
Angular function resistor. K. L. Nielsen and E. H. Roland. 2,621,275, Dec. 9.
Angular modulation. M. H. Mesner. 2,612,634, Sept. 30.
Angular piercing tool. N. B. Granberg. 2,594,552, Apr. 29.
Angular-velocity-modulation wave-signal translating system. B. D. Loughlin. 2,613,316, Oct. 7.
Angular velocity responsive apparatus. C. T. Morrow. 2,616,681, Nov. 4.
Angularly adjustable pivot joint. G. B. Hill and J. R. West. 2,606,047, Aug. 5.
Angularly and rotatably adjustable work holder and support therefor. W. T. Berry, Jr. 2,616,464, Nov. 4.
Animal and poultry feed containing aureomycin mash. T. H. Jukes. 2,619,420, Nov. 25.
Animal and poultry snare and killer. G. Armstrong. 2,616,123, Nov. 4.
Animal capturing apparatus. T. H. A. Cornalba. 2,616,212, Nov. 4.
Animal carcass dehairing machine. H. A. Ittel. 2,614,286, Oct. 21.
Animal controlled watering device. C. H. Harmon. 2,585,547, Feb. 12.
Animal feed. M. T. Harvey. 2,592,565, Apr. 15.
Animal feeder. H. Peterson. 2,602,420, July 8.
Animal feeds, Producing. J. A. Siefker and J. F. Brasch. 2,592,348, Apr. 8.
Animal form attachment for bicycles. H. L. Wunderly. 2,599,309, June 3.
Animal restraining device. L. E. Heldenbrand. 2,593,559, Apr. 22.
Animal restraining device. H. C. Krueger. 2,582,339, Jan. 15.
Animal restraining device. J. F. Sanders. 2,595,302, May 6.
Animal rubbing and oiling station or apparatus. W. M. Kirk. 2,581,028, Jan. 1.
Animal trap. G. C. Anderson. 2,603,029, July 15.
Animal trap. V. C. Hoodgood. 2,594,855, Apr. 29.
Animal trap. O. E. Fredrickson. 2,592,677, Apr. 15.
Animal trap. C. L. Hancock. 2,590,099, Mar. 25.
Animal trap. L. C. Heal. 2,590,316, Mar. 25.
Animal trap. F. B. Helbel. 2,613,473, Oct. 14.
Animal trap. K. H. Hill. 2,602,259, July 8.
Animal trap. H. C. Howrey. 2,589,385, Mar. 18.
Animal trap. F. S. Jones. 2,620,589, Dec. 9.
Animal trap. A. E. Kness. 2,594,182, Apr. 22.
Animal trap. H. B. Koch and J. U. Lehn. 2,603,906, July 22.
Animal trap. E. Larson. 2,611,989, Sept. 30.
Animal trap. O. F. Legg. 2,612,719, Oct. 7.
Animal trap. J. U. Lehn. 2,611,991, Sept. 30.
Animal trap. J. W. Mace. 2,587,349, Feb. 26.
Animal trap. C. A. Maxwell, C. F. Lutton, and L. A. Besha. 2,587,500, Feb. 26.
Animal trap. T. E. McCormick. 2,598,007, May 27.
Animal trap. A. Morici. 2,583,116, Jan. 22.
Animal trap. J. D. Pirtle. 2,597,814, May 20.
Animal trap. H. A. Reeb. 2,616,210, Nov. 4.
Animal trap. R. J. Rhines. 2,586,261, Feb. 19.
Animal trap. A. L. Rowell. 2,596,280, May 13.
Animal trap. G. F. Sees. 2,619,765, Dec. 2.
Animal trap. J. G. Smith. 2,608,019, Aug. 26.
Animal trap. N. S. Tyler. 2,608,018, Aug. 26.
Animal trap. C. W. Vonada. 2,589,002, Mar. 11.
Animal tunnel trap. H. G. Stillborn. 2,586,110, Feb. 19.
Animal weaner. A. W. Barker. 2,602,421, July 8.
Animated decorative lamp. A. B. Leech. 2,600,664, June 17.
Animated picture viewer and pictures in book form. H. J. Lazarus. 2,607,263, Aug. 19.
Animated pictures, Producing. E. Gillette. 2,599,624, June 10.
Anion exchange of thiamin salts. E. E. Howe and M. Tishler. 2,597,329, May 20.
Anion-exchange polymers of vinylanisole. J. C. H. Hwa. 2,597,493, May 20.
Anion exchange resin antacid. G. J. Martin and J. Wilkinson. 2,581,035, Jan. 1.
Anion exchange resins. W. C. Bauman and R. McKellar. 2,614,099, Oct. 14.
Anion-exchange resins. J. C. H. Hwa. 2,597,491, May 20.
Anion exchange resins and process. W. C. Bauman and G. B. Heusted. 2,601,202, June 17.
Anion exchange resins and treating mineral oils. H. D. Hartough, P. D. Caesar, and S. J. Lukasiewicz. 2,585,652, Feb. 12.
Anion exchange resins from alkylene polyamine meta phenylene diamine, formaldehyde and acetone. D. Whittaker and G. G. Allen. 2,588,784, Mar. 11.
Anion exchange resins which are polyamine-polyacrylate reaction products. J. R. Dudley. 2,582,194, Jan. 8.
Ankle joint for artificial legs. E. C. Ellery. 2,617,115, Nov. 11.
Ankle joint for artificial legs. F. C. and R. P. Lucas. 2,594,945, Apr. 29.
Anklet. J. A. Richardson. 2,592,739, Apr. 15.
Annealing. F. C. Sweeney. 2,595,991, May 6.
Annealing furnace. C. M. Yaeger. 2,585,892, Feb. 12.
Annealing spider. R. G. Miller, III. 2,601,443, June 24.
Announcer and advertising machine, Station and street. E. E. Lintz. 2,597,114, May 20.
Annular combustion chamber with hollow air guide vanes with radial gasiform fuel slots for gas turbines. M. H. L. Sédille. 2,592,748, Apr. 15.
Annular combustion chamber with multiple notched fuel nozzles. L. E. Berggren and D. Miller. 2,607,193, Aug. 19.
Annular forging and casting. R. W. Bailey. 2,583,315, Jan. 22.
Annular torch head for flame hardening machines. D. M. Strauchen and M. Garvin. 2,621,717, Dec. 16.
Annunciator for elevators and the like. D. Coyne. 2,594,733, Apr. 29.
Annunciator for games. A. A. Bielicki. 2,595,048, Apr. 29.
Annunciator system. H. E. Seaton. 2,600,132, June 10.
Annunciator, Visual signal type. R. H. Campbell. 2,605,337, July 29.
Annunciator, Visual signal type. D. J. Munroe. 2,605,336, July 29.
Anode construction for use in cathodic protection for water softeners and filters. G. H. Klumb. 2,616,844, Nov. 4.

Anode device. A. Basilewsky. 2,617,762, Nov. 11.
Anode shifting device. J. V. Davis. 2,588,910, Mar. 11.
Anode structure. J. J. Stobie and H. R. Youngkrantz. 2,620,297, Dec. 2.
Anode structure for electron discharge devices. S. O. Ekstrand and V. L. Ronci. 2,592,549, Apr. 15.
Anode structure for electron discharge devices. P. L. Spencer. 2,612,623, Sept. 30.
Anode suspension and electrical connection. K. T. Vangunes. 2,603,596, July 15.
Anodic oxidation of aluminum and its alloys. C. Sonnino. 2,584,400, Feb. 5.
Antenna. A. Alford. 2,622,196, Dec. 16.
Antenna. R. S. Bailey. 2,581,348, Jan. 8.
Antenna. D. Canady. 2,602,138, July 1.
Antenna. P. S. Carter. 2,615,134, Oct. 21.
Antenna. L. J. Chu and W. O. Smith. 2,594,871, Apr. 29.
Antenna. M. D. Ercolino. 2,615,133, Oct. 21.
Antenna. J. H. Gardner. 2,597,313, May 20.
Antenna. I. A. Gross. 2,587,146, Feb. 26.
Antenna. A. G. Kandoian. 2,613,349, Oct. 7.
Antenna. R. W. P. King. 2,589,818, Mar. 18.
Antenna. W. Sichak. 2,597,391, May 20.
Antenna. W. Sichak. 2,600,274, June 10.
Antenna. R. M. Silliman. 2,597,392, May 20.
Antenna, Adjustable. D. M. Lisbin and I. Bivens. 2,613,319, Oct. 7.
Antenna and matching circuit. N. E. Lindenblad. 2,615,131, Oct. 21.
Antenna apparatus, Ultrahigh-frequency. W. W. Hansen. 2,602,895, July 8.
Antenna array, Collinear sleeve type. H. J. Riblet. 2,605,412, July 29.
Antenna array, Dielectric. M. G. Boulx. 2,624,002, Dec. 30.
Antenna, Automobile. P. X. Noel. 2,617,933, Nov. 11.
Antenna, Broadband helical. A. E. Marston and M. D. Adcock. 2,611,868, Sept. 23.
Antenna construction. D. P. Worden. 2,609,502, Sept. 2.
Antenna construction, Extensible. E. Carlson. 2,580,889, Jan. 1.
Antenna construction, Portable. C. A. Trowbridge. 2,604,593, July 22.
Antenna construction, Television. C. J. Richards. 2,608,658, Aug. 26.
Antenna construction, Television. M. C. Rosenthal. 2,591,297, Apr. 1.
Antenna controlled craft position plotting device, Directional. V. I. Welhe. 2,595,315, May 6.
Antenna coupling system. C. J. Miller. 2,594,055, Apr. 22.
Antenna, Cylindrical. A. Alford. 2,611,866, Sept. 23.
Antenna detuning system. A. Alford and H. Jasik. 2,611,871, Sept. 23.
Antenna, Dielectric rod. H. Iams. 2,624,003, Dec. 30.
Antenna, Dielectrically wedged biconical. J. W. Clark and N. J. Gamara. 2,599,896, June 10.
Antenna, Dipole. V. W. Trebules. 2,620,442, Dec. 2.
Antenna, Directional. H. Krutter. 2,597,339, May 20.
Antenna, Directional slot. H. J. Riblet. 2,605,411, July 29.
Antenna, Directive. C. B. H. Feldman. 2,594,409, Apr. 29.
Antenna, Electromagnetic horn. W. C. Wilkinson, Jr. 2,591,486, Apr. 1.
Antenna excitation system. R. S. Wehner. 2,612,606, Sept. 30.
Antenna, Ferromagnetic. W. J. Polydoroff. 2,624,004, Dec. 30.
Antenna field pattern measuring system. O. H. Schmitt, W. E. Fromm, W. A. Fails, F. R. Barnes and R. E. Avery. 2,602,924, July 8.
Antenna filter. E. I. Anderson. 2,580,389, Jan. 1.
Antenna, Flared horn wave guide. L. C. Van Atta. 2,617,937, Nov. 11.
Antenna, Foldable collinear. D. E. Umstead. 2,586,276, Feb. 19.
Antenna for microwave beacons. N. I. Korman. 2,608,659, Aug. 26.
Antenna, Frame. K. Postumus. 2,617,033, Nov. 4.
Antenna, Glide path. C. B. Watts, Jr. 2,610,321, Sept. 9.
Antenna, High-frequency. R. Miller. 2,583,745, Jan. 29.
Antenna housing. E. B. McMillan, and R. M. Redheffer. 2,617,934, Nov. 11.
Antenna, Indoor television. J. R. Brough. 2,611,080, Sept. 16.
Antenna, Line-cord. M. L. Thompson. 2,581,983, Jan. 8.
Antenna lobe shifting device. M. Kline. 2,595,271, May 6.
Antenna, Loop. A. C. Stelzer. 2,602,891, July 8.
Antenna, Manually rotatable directional. W. J. Edwards. 2,583,210, Jan. 22.
Antenna mast assembly, Retractile. G. E. Bader. 2,592,108, Apr. 8.
Antenna mast assembly, Retractile. G. E. Bader. 2,611,456, Sept. 23.
Antenna matching section. A. S. Meier and P. D. Coleman. 2,593,474, Apr. 22.
Antenna mechanism. C. F. Spahn, Jr. 2,585,866, Feb. 12.
Antenna, Microwave. N. I. Korman. 2,608,656, Aug. 26.
Antenna mount. F. C. Jackson. 2,597,733, May 20.
Antenna, Multielement helix. A. E. Marston and M. D. Adcock. 2,616,046, Oct. 28.
Antenna, Narrow beam receiving. P. A. Kennebeck. 2,615,126, Oct. 21.
Antenna orientation control. J. A. Znaidukas. 2,597,424, May 20.
Antenna positioning system. R. I. Hulsizer, Jr. 2,589,813, Mar. 18.
Antenna, Radio and television. A. C. Denson. 2,591,790, Apr. 8.
Antenna, Radio tower. J. Andrews. 2,583,287, Jan. 22.
Antenna, Receiving. R. B. Dome. 2,585,636, Feb. 12.
Antenna, Reel. T. R. Finke. 2,623,175, Dec. 23.
Antenna reflector. T. H. Clark. 2,604,595, July 22.
Antenna, Rotary. M. L. Potter. 2,583,747, Jan. 29.
Antenna, Rotatably adjustable. H. J. Berney. 2,594,115, Apr. 22.
Antenna rotating and/or tuning apparatus. O. H. Dicke. 2,599,048, June 3.
Antenna sector scanning control. E. E. Miller. 2,605,453, July 29.
Antenna, Short wave. W. S. Erwin. 2,599,705, June 10.
Antenna, Slotted winged cylindrical. A. Alford. 2,611,864, Sept. 23.
Antenna, Slotted winged cylindrical. A. Alford. 2,611,867, Sept. 23.
Antenna, Split cylinder. A. Alford. 2,600,179, June 10.
Antenna structure, Bridge-type precision. K. A. Allebach. 2,596,113, May 13.
Antenna switching system. J. W. Marchetti. 2,594,328, Apr. 29.
Antenna system. E. V. Amy and J. G. Aceves. 2,611,086, Sept. 16.
Antenna system. D. F. Bowman. 2,589,664, Mar. 18.
Antenna system. W. L. Carlson. 2,624,000, Dec. 30.
Antenna system. E. F. Kulikowski. 2,623,999, Dec. 30.
Antenna system. N. E. Lindenblad. 2,596,492, May 13.
Antenna system. J. E. Pauch. 2,618,746, Nov. 18.
Antenna system. H. T. White, Jr. 2,598,475, May 27.
Antenna system. R. M. Wilmotte. 2,609,504, Sept. 2.
Antenna system, Arbitrarily polarized. H. N. Chait. 2,610,635, Nov. 25.
Antenna system, Broad-band. F. A. Kolster. 2,580,798, Jan. 1.
Antenna system, Directional. K. Posthumus. 2,596,595, May 13.
Antenna system, Directive. A. G. Clavier. 2,611,870, Sept. 23.
Antenna system, Directive. W. E. Kock. 2,599,763, June 10.
Antenna system, Directive. W. E. Kock. 2,603,749, July 15.
Antenna system, Directive. W. D. Lewis. 2,585,562, Feb. 12.
Antenna system, Directive broad band slot. V. H. Rumsey. 2,615,132, Oct. 21.
Antenna system, Variable polarization. W. R. Bliss. 2,581,352, Jan. 8.
Antenna system, Wave guide. W. E. Kock. 2,607,010, Aug. 12.
Antenna system with variable directional characteristic. L. W. Alvarez. 2,605,413, July 29.
Antenna systems, Television and high-frequency. M. P. Middlemark. 2,585,670, Feb. 12.
Antenna, Television. S. T. Doerner. 2,614,220, Oct. 14.
Antenna, Television. M. D. Ercolino. 2,596,389, May 13.
Antenna, Television. E. G. Hills. 2,621,293, Dec. 9.
Antenna, Television. M. Spirt and J. Goldman. 2,608,657, Aug. 26.
Antenna, Television. J. J. Wargo. 2,589,174, Mar. 11.
Antenna, Television. H. A. White. 2,615,005, Oct. 21.
Antenna, Television. O. M. Woodward, Jr. 2,624,001, Dec. 30.
Antenna tension take-up unit. W. A. Von Wald, Jr., T. E. Marshall, III, and R. B. Bridge. 2,616,139, Nov. 4.
Antenna, Transversely gapped cylindrical. A. Alford. 2,611,865, Sept. 23.
Antenna, Two-fold. E. W. Cruser. 2,622,197, Dec. 16.
Antenna, Universally adjustable. W. J. Race. 2,582,159, Jan. 8.
Antenna, Wave guide. W. H. Ratliff, Jr. 2,602,893, July 8.
Antenna, Wideband built-in receiver. W. R. Koch. 2,602,892, July 8.
Antenna with electro-magetic answer-back means, Turbine rotated. A. Alford. 2,595,912, May 6.
Anthracene-9, 10-bis methanethiol. P. O. Tawney. 2,583,975, Jan. 29.
Anthraquinone-acridone derivatives of 1,3,4-oxdiazoles. H. W. Schwechten and J. Singer. 2,616,891, Nov. 4.
Anthraquinone dyes. D. I. Randall and E. E. Renfrew. 2,612,507, Sept. 30.
Anthraquinone dyestuff for wool. D. I. Randall and E. E. Renfrew. 2,585,682, Feb. 12
Anthraquinone dyestuff for wool. D. I. Randall and E. E. Renfrew. 2,615,021, Oct. 21.
Anthraquinone dyestuffs. G. W. Seymour and V. S. Salvin. 2,587,002, Feb. 26.
Anthrimides, Preparing. M. Scalera and H. W. Stewart. 2,590,825, Mar. 25.
Anti-backflow device. D. T. Ross. 2,617,491, Nov. 11.
Antibackflow device for cutting torches, Pressure-operated. E. H. Smith. 2,611,424, Sept. 23.
Antibackflow valve. E. P. Coon. 2,616,512, Nov. 4.
Antibackflow valve. J. D. Robinson. 2,594,999, Apr. 29.
Antibacklash attachment for fishing reels. E. H. Dilley and J. A. Cooper. 2,620,142, Dec. 2.

Antibacklash coupling. J. S. Malsbary. 2,588,642, Mar. 11.
Antibacklash device. C. J. Werner. 2,615,315, Oct. 28.
Antibacklash fishing device. W. A. Kelso. 2,613,047, Oct. 7.
Antibacklash reel. F. J. Hoot. 2,601,021, June 17.
Antibacklash reel. J. Pasanen. 2,607,547, Aug. 19.
Antibacterial therapeutical preparations. H. Vollmer. 2,602,038, July 1.
Antibiotic preparations. A. L. Rawlins and J. A. Sultzaberger. 2,611,731, Sept. 23.
Antibiotic production from streptomyces griseo-carneus. R. G. Benedict, and F. H. Stodola. 2,617,755, Nov. 11.
Antibuffet seat. B. T. Guyton and F. J. Lindstrom. 2,619,157, Nov. 25.
Anticaking agent for cleansing powder. P. Bradford and H. J. White. 2,589,330, Mar. 18.
Anticavitation device for removing boiling liquids from steam and water drums. R. F. M. Waeselynck. 2,613,655, Oct. 14.
Antichatter switch device. I. Jepson and L. J. Koci. 2,619,560, Nov. 25.
Anticheating device. J. C. Koci. 2,611,839, Sept. 23.
Anticoagulant, amide of 3,3'-carboxy-methylene bis(4-hydroxycoumarin). J. J. Lovas. 2,601,308, June 24.
Anticorrosion mounting for electric immersion heaters. A. P. Charbonneau. 2,594,255, Apr. 22.
Anticorrosive metal article and making same. J. A. van Melsen. 2,623,835, Dec. 30.
Anticreeper railway rail. V. M. Lutz. 2,599,004, June 3.
Anticurl device for collars. B. Liebowitz. 2,601,035, June 17.
Anticurl device for collars. B. Liebowitz. 2,601,038, June 17.
Anti-detonant injection control apparatus for internal-combustion engines. S. S. Fox and R. B. Talbot. 2,599,985, June 10.
Antiflex-cracking agents in rubber. G. E. P. Smith, Jr. 2,581,906, Jan. 8.
Antifoam emulsion. C. C. Currie and M. C. Hommel. 2,595,928, May 6.
Antifoamant composition. J. A. Jehle, Jr. 2,622,066, Dec. 16.
Antifogging attachment for bathroom mirrors. M. W. Fennell. 2,617,701, Nov. 11.
Antifouling anchor. C. F. Christie. 2,591,236, Apr. 1.
Antifouling anchor. C. F. Christie. 2,606,518, Aug. 12.
Antifouling sinker. V. L. Bowman. 2,623,320, Dec. 30.
Antifriction bearing. J. C. Boltinghouse. 2,606,447, Aug. 12.
Antifriction bearing. F. R. Bonte. 2,595,121, Apr. 29.
Antifriction bearing. F. O. Hickling. 2,621,091, Dec. 9.
Antifriction bearing. F. S. Kingston. 2,581,958, Jan. 8.
Antifriction bearing. L. E. Simmons. 2,581,722, Jan. 8.
Antifriction bearing and associated member. S. Gilbert. 2,607,642, Aug. 19.
Antifriction bearing assembly. R. D. Beatty, Jr. 2,620,243, Dec. 2.
Antifriction composition. L. G. Saywell. 2,581,301, Jan. 1.
Antifriction curtain hanger. W. Hachtel. 2,620,507, Dec. 9.
Antifriction device for planetary transmissions. H. F. Ridgely and F. A. Crocker. 2,591,967, Apr. 8.
Antifriction load-supporting device. F. W. Waring. 2,620,913, Dec. 9.
Antifriction pressure stop for lathes and the like. K. Fellroth. 2,618,997, Nov. 25.
Antifriction structure for worm wheels and the like. A. Setter. 2,597,389, May 20.
Antifriction thrust bearing for electric socket wrenches. R. R. Underwood. 2,584,172, Feb. 5.
Antifriction transmission. G. A. Wahlmark. 2,616,302, Nov. 4.
Antigas fading anthraquinone dyes. D. I. Randall and E. E. Renfrew. 2,585,681, Feb. 12.
Antiglare attachment for vehicles. W. B. Ray. 2,590,463, Mar. 25.
Antiglare device for motor vehicles. J. Labrecque. 2,616,756, Nov. 4.
Antiglare shade for windshields. G. A. Blessen. 2,594,386, Apr. 29.
Antihalation layer for cellulose ester lithographic printing plates. G. F. Nadeau and C. B. Starck. 2,590,713, May 13.
Antihunting measuring and controlling apparatus. R. F. Wild. 2,595,034, Apr. 29.
Antihunting temperature sensitive detector. J. A. Roberts. 2,587,384, Feb. 26.
Antihypertension composition. F. T. Kimball. 2,623,000, Dec. 23.
Antiinfection spreading shield. E. R. Benson. 2,623,523, Dec. 30.
Antijackpotting device for check operated vending machines. C. F. Harris. 2,619,213, Nov. 25.
Antikicking device for cows. E. L. McClees. 2,591,958, Apr. 8.
Antikink ornamental chain. H. Weinacker and F. A. Dieterich. 2,601,575, June 24.
Antiloss device. G. M. Brueckner. 2,612,669, Oct. 7.
Antimalarial agents and preparing them. G. H. Hitchings, P. B. Russell, and E. A. Falco. 2,594,309, Apr. 29.
Antioffset apparatus. J. A. Paasche. 2,605,138, July 29.
Antioxidant. W. H. Brugmann, Jr. 2,600,154, June 10.
Antioxidants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and M. L. Hill. 2,602,049, July 1.
Antipercolating device. W. E. Egerer, H. B. Medley and M. J. Kittler. 2,613,068, Oct. 7.
Antipernicious anemia concentrate, Preparing an. F. R. Koniuszy, N. G. Brink, and K. Folkers. 2,594,314, Apr. 29.
Antirattle device for automobile windows. A. F. Jackson. 2,621,962, Dec. 16.
Antirattle device for vehicle windows. N. S. Amato and W. I. Lambert. 2,616,755, Nov. 4.
Antirecoil device for pressure cylinders. C. C. Vander Wall. 2,621,827, Dec. 16.
Antiscald and proportioning valve. P. W. Sanford. 2,586,180, Feb. 19.
Antiscald and proportioning valve. P. W. Sanford. 2,593,701, Apr. 22.
Antisiphon silencer for ball cocks. J. C. Owens. 2,581,043, Jan. 1.
Antisiphon spout and spray fixture. R. E. Bletcher, C. H. Bentley, and E. H. Bucknell. 2,608,412, Aug. 26.
Antiskid and traction appliance for motor vehicle wheels. E. P. Schwab. 2,584,625, Feb. 5.
Antiskid attachment. G. J. Kromer. 2,608,274, Aug. 26.
Antiskid attachment for shoes. J. F. Von Essen. 2,586,749, Feb. 19.
Antiskid chain. H. F. Parker. 2,583,155, Jan. 22.
Antiskid chain. H. H. Pohl. 2,583,879, Jan. 29.
Antiskid chain and positioning means. B. H. Locke. 2,609,027, Sept. 2.
Antiskid chain coupling. J. J. Fendrock. 2,593,018, Apr. 15.
Antiskid composition and making same. T. E. Boyle. 2,585,219, Feb. 12.
Antiskid device. A. Kurtz. 2,585,795, Feb. 12.
Antiskid device. J. Lombardi. 2,607,390, Aug. 19.
Antiskid device. W. F. Merritt. 2,617,465, Nov. 11.
Antiskid device. C. B. Pittinger. 2,581,770, Jan. 8.
Antiskid device. J. Sampogna. 2,591,300, Apr. 1.
Antiskid device. L. Skovran. 2,607,388, Aug. 19.
Antiskid device. J. G. Welsh, Jr. 2,589,207, Mar. 11.
Antiskid device, Collapsible. H. J. Eisenhauer. 2,601,882, July 1.
Antiskid device for automobile tires and the like. W. L. McGuinness. 2,597,160, May 20.
Antiskid device for automotive vehicles. O. G. Singer. 2,618,492, Nov. 18.
Antiskid device for pneumatic tires. C. R. Kennedy. 2,608,232, Aug. 26.
Antiskid device for vehicle tires. G. W. Horner and W. R. Robertson, Sr. 2,623,569, Dec. 30.
Antiskid device for vehicle tires. L. J. Pindjak. 2,598,298 May 27.
Antiskid device for vehicles. T. S. Onarheim. 2,621,060, Dec. 9.
Antiskid foot operated bellows. D. T. Mowbray. 2,609,000, Sept. 2.
Antiskid tire chain. M. W. Pike. 2,594,068, Apr. 22.
Antiskid tread and manufacture. A. N. Iknayan. 2,582,701, Jan. 15.
Antisprouting methods and compositions. W. Brown and H. C. Mellor. 2,615,801, Oct. 28.
Antistall mechanism for airplanes. J. I. Seay, Jr. 2,584,298, Feb. 5.
Antistatic agent, treatment of shaped articles therewith, and treated articles. A. Cresswell. 2,597,708, May 20.
Antistatic treating composition for photographic film supports. K. Famulener and H. Hoerlin. 2,584,337, Feb. 5.
Antistatic treatment of articles comprising vinyl resins and treated articles. A. Cresswell. 2,581,836, Jan. 8.
Antisticking cellulose pellicles. W. O. Brillhart. 2,621,135, Dec. 9.
Antistripping agents for asphalts. L. A. Mikeska. 2,623,831, Dec. 30.
Antisurge control and exhaust valve for hydraulic apparatus. J. M. and F. H. Towler. 2,590,137, Mar. 25.
Antiswy bar. J. W. Leighton. 2,589,009, Mar. 11.
Antitack agent. G. R. Scott. 2,611,751, Sept. 23.
Antivibration mounting device. W. E. Barber and J. O. Cole. 2,600,090, June 10.
Anus spraying apparatus. E. Monserrat. 2,605,477, Aug. 5.
Aperiodic electronic blocking valve. H. Huber and L. Brück. 2,598,914, June 3.
Apertured ears on recessed lamp for receiving supporting rods. I. M. Kirlin. 2,611,502, Sept. 23.
Apparatus and circuit for heating articles. W. D. Wenger. 2,584,951, Feb. 5.
Apparatus and machine for reducing tube ends. H. Woldman and E. D. McDonough. 2,595,319, May 6.
Apparatus and method for cleaning open hearth stack gases. C. B. Francis. 2,609,063, Sept. 2.
Apparatus and method for controlling foam. R. O. Hensley. 2,604,154, July 22.
Apparatus and method for dispersing a phosphor in a liquid. W. J. Hushley and R. L. Longini. 2,586,338, Feb. 19.
Apparatus and method for embossing thermoplastic film. M. A. Chavannes. 2,585,915, Feb. 19.

Apparatus and method for handling liquids. L. C. Sackett, J. R. Miller, and R. W. Kelto. 2,592,520, Apr. 8.
Apparatus and method for handling of liquefied normally gaseous materials. J. S. Haug and P. W. Janeway, Jr. 2,609,282, Sept. 2.
Apparatus and method for making plastic folding containers. L. R. Page, Jr., and J. P. Crossdale, Jr. 2,589,022, Mar. 11.
Apparatus and method for manufacture of composite web material. T. M. Scruggs. 2,588,580, Mar. 11.
Apparatus and method for measuring the velocity of fluids. P. G. Carpenter. 2,599,975, June 10.
Apparatus and method for molding concrete blocks. A. H. Stockmar. 2,596,052, May 6.
Apparatus and method for molding concrete floor slabs in situ. M. G. Flores. 2,590,304, Mar. 25.
Apparatus and method for molding prestressed concrete structural members. V. Weinberg. 2,590,478, Mar. 25.
Apparatus and method for performing sheeting or coating operations on or with plastic material. A. Goulding, Jr. 2,611,150, Sept. 23.
Apparatus and method for precooling material by vacuum-induced evaporation. M. W. Beardsley and R. L. Brunsing. 2,621,492, Dec. 16.
Apparatus and method for processing vegetable fibers. C. B. Weiss and C. W. Dean. 2,607,680, Aug. 19.
Apparatus and method for producing disk phonograph records. A. I. Massler. 2,613,395, Oct. 14.
Apparatus and method for producing thermoplastic fibers. M. A. Chavannes. 2,614,288, Oct. 21.
Apparatus and method for raising and adjusting concrete forms. N. A. Johnson. 2,617,168, Nov. 11.
Apparatus and method for the collection of water. E. W. Silitch and A. d'Audiffret. 2,622,683, Dec. 23.
Apparatus and method for the treatment of textile fibers in strand form. R. C. Wilkie. 2,621,372, Dec. 16.
Apparatus and method for transporting and dispensing liquefied gas. P. Peff. 2,593,916, Apr. 22.
Apparatus and method for vaporization cooling of electrical machines. T. de Koning. 2,604,500, July 22.
Apparatus and method for wrapping articles and severing the wrapped articles from webs. W. S. Cloud. 2,590,379, Mar. 25.
Apparatus and method of closing an electric circuit by means of a secret combination changeable at will. P. G. Vidalis and N. J. Panoussiadis. 2,594,254, Apr. 22.
Apparatus and method of embossing thermoplastic sheets. R. E. Getchell. 2,609,568, Sept. 9.
Apparatus and method of rapid production and harvesting of ice. G. L. Pownall. 2,598,429-30, May 27.
Apparatus and method of surveying elevations. W. O. Bazhaw. 2,616,177, Nov. 4.
Apparatus and procedure for the determination of helium in gases. E. M. Frost, Jr. 2,601,272, June 24.
Apparatus and process for circulating powdered solids in chemical treatment. C. E. Hemminger. 2,595,254, May 6.
Apparatus and process for making mineral wool. R. M. Downey. 2,587,710, Mar. 4.
Apparatus and process for preparing bands from thermoplastic material. R. P. Piperoux, D. B. Hertz, and F. M. Culpepper. 2,600,686, June 17.
Apparatus for abrading. P. D. d'Avaucourt. 2,616,226, Nov. 4.
Apparatus for accelerating charged particles. J. L. Lawson, H. R. Kratz, and G. L. Ragan. 2,622,194, Dec. 16.
Apparatus for accelerating charged particles, especially electrons, to very high velocity. W. E. Willshaw. 2,582,186, Jan. 8.
Apparatus for accelerating electrically charged particles. R. Wideröe. 2,624,020, Dec. 30.
Apparatus for accelerating electrons. H. Hartmann. 2,585,549, Feb. 12.
Apparatus for acid sludge decomposition. M. H. Maurer and E. S. Roberts. 2,605,171, July 29.
Apparatus for actuating an alarm circuit. B. P. J. van Berkel. 2,623,172, Dec. 23.
Apparatus for actuating control surfaces of dirigible craft. F. W. Meredith. 2,607,025, Aug. 12.
Apparatus for adjusting vehicle headlamps. J. B. Dickson. 2,609,611, Sept. 9.
Apparatus for advancing and severing strands. D. C. Robson. 2,604,942, July 29.
Apparatus for advancing electrical cordage. R. T. Adams and J. A. Wagner. 2,613,426, Oct. 14.
Apparatus for advancing film stepwise. K. G. Zeuthen. 2,614,456, Oct. 21.
Apparatus for advancing strands. S. W. Barker. 2,599,603, June 10.
Apparatus for affixing condenser tap straps to mounting strip material. A. L. Hogue and G. E. Hamilton. 2,597,868, May 27.
Apparatus for affixing condenser tap straps to mounting strip material. C. E. Marks. 2,597,884, May 27.
Apparatus for affixing conducting tap straps to paper mounting strips. E. A. Raney. 2,600,322, June 10.
Apparatus for aging meats and storing vegetables. H. H. McAdam. 2,591,178, Apr. 1.
Apparatus for agitating refrigerated liquids. H. G. Robatel. 2,604,308, July 22.
Apparatus for aligning and holding type blocks for soldering. J. C. Veitman and W. O. Michelsen. 2,616,383, Nov. 4.
Apparatus for analyzing a curve upon a chart. W. R. Smith. 2,610,542, Sept. 16.
Apparatus for and method of forming filaments. G. A. Spencer. 2,581,922, Jan. 8.
Apparatus for and method of handling dusty materials. H. L. Richardson. 2,596,601, May 13.
Apparatus for and method of inspecting sealed containers for relative internal pressure conditions. H. H. Raymond, P. Bliss, W. G. Coe, and P. J. Campbell. 2,608,089, Aug. 26.
Apparatus for and method of making printing screens. A. C. Cluzel. 2,608,750, Sept. 2.
Apparatus for and method of making tubular rivet elements. L. C. Huck. 2,586,336, Feb. 19.
Apparatus for and method of peeling peaches. P. T. Ford. 2,616,819, Nov. 4.
Apparatus for and system of gaseous tube lighting. P. K. Ranney. 2,585,963, Feb. 19.
Apparatus for annealing annular coils of sheet metal. C. Cone. 2,600,094, June 10.
Apparatus for annealing strip. E. J. Seabold. 2,585,277, Feb. 12.
Apparatus for applying a basting stitch to fabrics. M. S. and J. H. Malek. 2,583,582, Jan. 29.
Apparatus for applying a coating band to moving articles. R. E. J. Nordquist. 2,597,893, May 27.
Apparatus for applying a continuous layer of cementitious material to the surface of a vertical structure. A. M. Hirsh, Jr. 2,605,533, Aug. 5.
Apparatus for applying an aqueous bituminous emulsion to a fibrous web. C. R. MacDonald. 2,622,313, Dec. 23.
Apparatus for applying an overwrap. G. E. Tripp. 2,604,244, July 22.
Apparatus for applying designs to plastic sheetlike materials. M. A. Chavannes. 2,594,290, Apr. 29.
Apparatus for applying designs to surfaces. J. J. Ackell. 2,601,356, June 24.
Apparatus for applying designs to wall structures. W. Keast. 2,602,232, July 8.
Apparatus for applying fasteners. J. C. Lang. 2,583,056, Jan. 22.
Apparatus for applying powder to thread. C. R. Swanson, E. W. Olson, and F. L. Armitage. 2,581,938, Jan. 8.
Apparatus for applying pressure to shoe bottoms. H. Gulbrandsen. 2,611,143, Sept. 23.
Apparatus for applying pressure to shoe bottoms. L. Mawbey. 2,602,173, July 8.
Apparatus for applying squeege strips to tire fabrics. H. C. Bostwick. 2,605,196, July 29.
Apparatus for applying surface coatings. J. F. Banner. 2,620,768, Dec. 9.
Apparatus for artificial development of germ organisms. E. A. Braun. 2,583,993, Jan. 29.
Apparatus for assembling a predetermined quantity of sticks. L. F. Spinney. 2,589,886, Mar. 18.
Apparatus for assembling articles. C. A. Shivoder, Jr. 2,604,923, July 29.
Apparatus for assembling artificial teeth. S. C. Fournet. 2,618,063, Nov. 18.
Apparatus for assembling connector plugs. C. H. Wilmot. 2,593,081, Apr. 15.
Apparatus for assembling multiple part egg containers and the like. S. Bergstein. 2,615,378, Oct. 28.
Apparatus for assembling partitions for packing cells. R. C. Merry. 2,612,085, Sept. 30.
Apparatus for assembling sheets of material. S. R. Rinehart. 2,621,040, Dec. 9.
Apparatus for atomizing fluids. C. Andermatt. 2,587,083, Feb. 26.
Apparatus for atomizing fuel in open-hearth furnaces. J. L. Hartney. 2,587,153, Feb. 26.
Apparatus for attaching elastic bands to garments. A. Zygmunt. 2,610,596, Sept. 16.
Apparatus for attaching hose couplings. C. L. Conroy and D. F. Stranberg. 2,622,652, Dec. 23.
Apparatus for automatic collection of liquid fractions. J. W. Putt, J. O. Smith, Jr., and J. O. McLean. 2,622,062, Dec. 16.
Apparatus for automatic periodic cleaning of straining members. S. E. E. Ahlfors. 2,581,781, Jan. 8.
Apparatus for automatically centering and aligning moving objects. E. T. Lorig. 2,622,448, Dec. 23.
Apparatus for automatically cutting predetermined lengths of tubular or rodlike material. J. D. Sumner, G. H. Goulding, and R. E. Golding. 2,620,032, Dec. 2.
Apparatus for automatically glazing elements arranged on flexible bands, particularly for coloring sliding clasp fasteners. E. Armari. 2,597,049, May 20.
Apparatus for automatically reproducing contours. W. L. Martin. 2,622,871, Dec. 23.
Apparatus for automatically switching from gas fuel to oil fuel in dual fuel internal-combustion engines. G. Steven and R. R. Fruchauf. 2,612,145, Sept. 30.
Apparatus for baking lacquer on metal articles. F. Netschert. 2,589,424, Mar. 18.
Apparatus for balancing wheels. J. P. Carr. 2,622,436, Dec. 23.
Apparatus for blending fiber. L. A. Runton. 2,594,590, Apr. 29.
Apparatus for blending fibers. J. D. Wise. 2,602,967, July 15.

Apparatus for boning and slitting fish. R. M. Berglund. 2,612,652, Oct. 7.
Apparatus for bottling carbonated beverages. J. B. Vance. 2,603,399, July 15.
Apparatus for breaking eggs and salvaging liquid egg material. J. M. Vansant. 2,581,054, Jan. 1.
Apparatus for breaking up frozen foods. E. G. Magnus. 2,614,597, Oct. 21.
Apparatus for broad-band radio transmission. R. V. Pound. 2,580,592, Jan. 1.
Apparatus for broad-band radio transmission. R. V. Pound. 2,582,604, Jan. 15.
Apparatus for buffing flexible articles. F. Slusher. 2,587,776, Mar. 4.
Apparatus for building up and reducing pressure. H. Koplin and A. R. Slate. 2,582,259, Jan. 15.
Apparatus for bundling pipes, bars, and the like. G. E. Mirfield. 2,596,862, May 13.
Apparatus for burating a continuous multiform set of sheets. E. S. Wright. 2,600,042, June 10.
Apparatus for calibrating the air-speed indicator of aircraft. J. E. Bevins. 2,623,383, Dec. 30.
Apparatus for carbonation of a liquid. J. Zucker. 2,611,597, Sept. 23.
Apparatus for carburizing steel. F. T. Cope. 2,594,876, Apr. 29.
Apparatus for carrying and adjustably positioning elongated articles. G. E. Wheeler. 2,612,366, Sept. 30.
Apparatus for casehardening drill rods. R. H. Davis. 2,591,339, Apr. 1.
Apparatus for catalytic conversion of hydrocarbons. J. G. Alther. 2,621,113, Dec. 9.
Apparatus for cellulose processing. W. H. Bradshaw and W. R. Schmits, Jr. 2,592,112, Apr. 8.
Apparatus for cementing well casings. F. H. Lee. 2,598,396, May 27.
Apparatus for cementing well liners. C. C. Brown. 2,621,742, Dec. 16.
Apparatus for charging and sealing tubing with solder. C. F. Louthan and G. B. Long. 2,613,863, Oct. 14.
Apparatus for charging and storing materials. W. R. Graham, Jr., and J. Chrisman. 2,592,559, Apr. 15.
Apparatus for charging and storing materials. W. R. Graham, Jr., and J. Chrisman. 2,617,351, Nov. 11.
Apparatus for charging containers with measured quantities of liquid. A. H. Price. 2,614,742, Oct. 21.
Apparatus for charging metal ingots into molten metal. W. J. Barnes. 2,605,006, July 29.
Apparatus for charting geographical profile. J. J. Braund. 2,589,923, Mar. 18.
Apparatus for checking the integrity of electric circuits. C. M. Hines. 2,605,329, July 29.
Apparatus for chemical reaction detection. H. A. Wilhelm. 2,614,645, Oct. 21.
Apparatus for chilling webs. B. Offen. 2,593,595, Apr. 22.
Apparatus for chlorination reactions. L. A. Miller, J. H. Dunn, and C. M. Neher. 2,622,205, Dec. 16.
Apparatus for chucking blocks of lenses on generating machines. J. R. Turner and J. A. Pellman. 2,585,287, Jan. 12.
Apparatus for classifying granular substances. M. Varcoe. 2,611,486, Sept. 23.
Apparatus for cleaning and lubricating. C. A. Huffman. 2,594,779, Apr. 29.
Apparatus for cleaning can body blank seam margins. C. E. Maier and R. A. Larson. 2,623,233, Dec. 30.
Apparatus for cleaning cans. T. F. Clark. 2,601,746, July 1.
Apparatus for cleaning, dressing, and grinding wheels. G. H. Leffel. 2,589,620, Mar. 18.
Apparatus for cleaning eggs. J. M. and D. R. Gwin. 2,615,187, Oct. 28.
Apparatus for cleaning fibrous material. A. W. Bernhart. 2,605,510, Aug. 5.
Apparatus for cleaning filter screens. A. H. Bahnson, Jr. 2,596,518, May 13.
Apparatus for cleaning filter screens. J. F. King, Jr. 2,599,842, June 10.
Apparatus for cleaning filter screens. J. F. King, Jr. 2,609,064, Sept. 2.
Apparatus for cleaning filters. D. F. Ringe. 2,591,198, Apr. 1.
Apparatus for cleaning furnace checker works. E. R. Richards. 2,604,358, July 22.
Apparatus for cleaning gun barrels. H. K. Cooper. 2,606,567, Aug. 12.
Apparatus for cleaning or treating clothes or the like. W. E. Edwards. 2,598,366, May 27.
Apparatus for cleaning parts and for separating suspended particles from liquids. E. A. Fuglie. 2,595,838, May 6.
Apparatus for cleaning pipes or drains. J. V. O'Brien. 2,610,807, Sept. 16.
Apparatus for cleaning poultry houses. L. E. Lalancette. 2,595,392, May 6.
Apparatus for cleaning, sterilizing, and drying dental drill burrs. R. M. Rossel. 2,618,593, Nov. 18.
Apparatus for cleaning vehicles. W. J. Morison. 2,583,703, Jan. 29.
Apparatus for cleaning watches and watch parts. J. A. Persson. 2,615,455, Oct. 28.
Apparatus for closing dump car doors. C. E. Zimmerman. 2,600,357, June 10.
Apparatus for closing interlocking seams. H. S. Kaiser. 2,621,621, Dec. 16.
Apparatus for coating and coiling metal strips. C. Field. 2,605,741, Aug. 5.
Apparatus for coating and wrapping articles of plastic material. A. G. Rose and J. A. Gilbert. 2,601,636, June 24.
Apparatus for coating bathing caps. A. E. Sidnell and T. T. Thompson. 2,607,317, Aug. 19.
Apparatus for coating beads. R. F. Brewer. 2,597,613, May 20.
Apparatus for coating coiled filaments. L. E. Dilts. 2,611,335, Sept. 23.
Apparatus for coating internal surfaces of hollow glassware. R. A. Kuebler. 2,586,348, Feb. 19.
Apparatus for coating pipes. L. L. Bryan. 2,602,980, July 15.
Apparatus for coating scrolled sheets. S. R. Johnson. 2,623,495, Dec. 30.
Apparatus for coating strip material. H. L. Davis. 2,588,967, Mar. 11.
Apparatus for coating surfaces with plastic and other semiliquid compositions. A. H. Hawes. 2,596,074, May 6.
Apparatus for coiling hot metal rods. M. Morgan. 2,621,914, Dec. 16.
Apparatus for coiling wool sliver in cans. R. C. Wilkie. 2,598,738, June 3.
Apparatus for cold-reducing tubular metal stock. R. C. Richards. 2,617,319, Nov. 11.
Apparatus for collecting and loading materials. L. D. Hershey. 2,603,371, July 15.
Apparatus for color television. Y. Angel. 2,594,715, Apr. 29.
Apparatus for color television. L. de Forest. 2,617,875, Nov. 11.
Apparatus for combining finely divided solid material with liquid. A. T. Coakley. 2,586,613, Feb. 19.
Apparatus for combining materials. T. B. Epps. 2,609,969, Sept. 9.
Apparatus for commingling multiple sone well production. R. C. Glover. 2,618,339, Nov. 18.
Apparatus for compacting a refractory medium in a bung of chinaware. R. H. Pass. 2,595,880, May 6.
Apparatus for compacting a refractory medium in a bung of chinaware. R. H. Pass and W. A. Johnson. 2,611,589, Sept. 23.
Apparatus for comparing frequencies of electric oscillations. G. G. Gouriet and R. H. Hammans. 2,615,943, Oct. 28.
Apparatus for comparing statistical record cards. A. Thomas. 2,614,750, Oct. 21.
Apparatus for concentrating acids. W. G. See. 2,607,661, Aug. 19.
Apparatus for concentrating ores and the like. T. S. Bailey, Jr. 2,584,976, Feb. 12.
Apparatus for concentrating residual pulp liquor by direct contact with flue gases. G. H. Tomlinson and J. N. Swartz. 2,590,905, Apr. 1.
Apparatus for conditioning high temperature chemical fusion reactions and operations. J. F. Adams, R. L. Bauer, and G. E. Taylor. 2,610,109, Sept. 9.
Apparatus for conditioning material. H. B. Foulder and G. Millspaugh. 2,606,372, Aug. 12.
Apparatus for conducting thermochemical conversions. T. P. Simpson. 2,596,299, May 13.
Apparatus for constructing concrete floors. J. Ledbetter. 2,609,585, Sept. 9.
Apparatus for contact treatment of materials. R. M. Shirk. 2,580,470, Jan. 1.
Apparatus for contacting gaseous fluids with powdered solids. A. S. Gilliam. 2,608,474, Aug. 26.
Apparatus for contacting molten glass. R. De Vries. 2,607,170, Aug. 19.
Apparatus for contacting solid materials with fluids. H. A. Shabaker. 2,596,610, May 13.
Apparatus for contacting solids and gases. W. W. Odell. 2,581,134, Jan. 1.
Apparatus for containing liquids with gases or vapors. O. G. Dixon. 2,615,700, Oct. 28.
Apparatus for continuous catalysis. J. Lienhart. 2,599,466, June 3.
Apparatus for continuous cooking. G. Ashton. 2,585,293, Feb. 12.
Apparatus for continuous seaming of pile floor coverings. A. T. Dildilian and K. M. Wood. 2,589,929, Mar. 18.
Apparatus for continuously abrading elongated strands. E. T. Lorig. 2,592,161, Apr. 8.
Apparatus for continuously adding an inhibitor to a mixing tank. R. O. Bowman. 2,608,176, Aug. 26.
Apparatus for continuously applying a prescribed amount of liquid composition to a moving linear material. E. H. Jones and S. A. Shorter. 2,583,267, Jan. 22.
Apparatus for continuously coiling elongated filaments. E. D. Hanson. 2,598,537, May 27.
Apparatus for continuously delivering plastic cementitious material to a moving molding surface. E. G. O'Farrell. 2,614,787, Oct. 21.
Apparatus for continuously determining the electrical conductivity of a liquid. J. Terpstra. 2,616,950, Nov. 4.
Apparatus for continuously making vulcanized articles. G. E. Berggren. 2,608,718, Sept. 2.

Apparatus for continuously making vulcanized articles. G. E. Berggren and L. W. Lovett. 2,601,699, July 1.
Apparatus for continuously making vulcanized articles. R. C. Lawrence. 2,589,713, Mar. 18.
Apparatus for continuously marking metal objects. W. S. Miller. 2,580,574, Jan. 1.
Apparatus for continuously processing strands. E. T. Lorig. 2,587,742, Mar. 4.
Apparatus for continuously processing strands. E. T. Lorig. 2,622,860, Dec. 23.
Apparatus for continuously producing corrugated glass sheets. Roger and Rene Guilleminot. 2,590,768, Mar. 25.
Apparatus for controlling air cylinder stroke motions. G. W. Emrick. 2,616,398, Nov. 4.
Apparatus for controlling and measuring the concentration of solutions. R. V. Kline. 2,586,169, Feb. 19.
Apparatus for controlling die operations. W. R. Place. 2,598,427, May 27.
Apparatus for controlling electron path in an electron accelerator. R. Wideroe. 2,586,494, Feb. 19.
Apparatus for controlling heated stain removing digester baths. R. C. Heinen. 2,602,876, July 8.
Apparatus for controlling internal-combustion engines. C. O. Henneman and D. R. de Boisblanc. 2,595,524, May 6.
Apparatus for controlling inventory replacements. A. A. Weiss. 2,620,803, Dec. 9.
Apparatus for controlling scanning accuracy of cathode-ray tubes. G. E. G. Graham. 2,604,534, July 22.
Apparatus for controlling the concentration of noncondensable gases in an absorption refrigeration system. N. E. Berry. 2,610,482, Sept. 16.
Apparatus for controlling the flow of dye liquor through kiers. W. E. J. McMann. 2,586,244, Feb. 19.
Apparatus for controlling the power of hot-gas motors. H. Rinia, H. de Brey, and W. J. van Heeckeren. 2,616,251, Nov. 4.
Apparatus for controlling the rate of pouring fluid material from one container into another. T. W. Ratcliffe and S. O. Evans. 2,586,713, Feb. 19.
Apparatus for controlling the supply of current to electroplating vats and the like. S. A. Stevens and H. Ducklitt. 2,624,035, Dec. 30.
Apparatus for conveying, dividing, and piling sheet material. V. A. Rayburn and D. C. Robson. 2,593,343, Apr. 15.
Apparatus for conveying packages. L. B. Eaton. 2,601,376, June 24.
Apparatus for conveying plastic building materials. H. W. Heine. 2,606,645, Aug. 12.
Apparatus for cooking. R. N. Kircher and L. E. Finch. 2,605,382, July 29.
Apparatus for cooking articles of food in deep grease. J. C. Sinkwitz and R. Szpur. 2,614,485, Oct. 21.
Apparatus for cooking edible imitation hollow corncobs. R. Friddell. 2,585,000, Feb. 12.
Apparatus for cooking food. E. J. Finizie. 2,622,506, Dec. 23.
Apparatus for cooling and dehydrating air. G. F. Jaubert. 2,622,414, Dec. 23.
Apparatus for cooling and dispensing liquids. H. L. and J. K. Buffington. 2,610,101, Sept. 9.
Apparatus for cooling gases. J. T. Serduke. 2,605,619, Aug. 5.
Apparatus for cooling liquids. A. G. Berwick. 2,603,072, July 15.
Apparatus for cooling liquids. R. D. Moore. 2,596,782, May 13.
Apparatus for corrugating tubes. O. Klein. 2,614,607, Oct. 21.
Apparatus for counting blood corpuscles. P. E. Sandorff and H. W. Foster. 2,584,052, Jan. 29.
Apparatus for covering electric conductors and cable cores with rubber or similar material. A. B. F. G. Richardson, E. Tunnicliff, and I. K. Fisher. 2,591,608, Apr. 1.
Apparatus for creping paper. R. Haas. 2,623,572, Dec. 30.
Apparatus for cultivating plants under shelter in the fields. R. F. Flicklin. 2,614,366, Oct. 21.
Apparatus for cultivation by flame. J. K. McNeill. 2,587,873, Mar. 4.
Apparatus for cutting almonds to pieces of miscellaneous sizes. D. R. Bailey. 2,611 405, Sept. 23.
Apparatus for cutting and scoring blanks. J. S. Troth. 2,586,744, Feb. 19.
Apparatus for cutting and sizing cellular glass slabs. O. W. Wiley. 2,595,115, Apr. 29.
Apparatus for cutting blocks. W. E. Burge. 2,593,726, Apr. 22.
Apparatus for cutting fibers. R. C. Wilkie. 2,599,148, June 3.
Apparatus for cutting flanged slots in radiator sections. M. J. Celovsky. 2,583,682, Jan. 29.
Apparatus for cutting glass. A. W. Goralske. 2,618,857, Nov. 18.
Apparatus for cutting off lengths of tubing. M. E. McGowan. 2,603,038, July 15.
Apparatus for cutting out optical glasses. P. Guillermet and F. Planet. 2,582,117, Jan. 8.
Apparatus for cutting pipes within a well. W. G. Sweetman. 2,587,244, Feb. 26.
Apparatus for cutting samples. J. J. Shanley. 2,621,740, Dec. 16.
Apparatus for cutting scrolled sheets from continuously fed metal strips. S. R. Johnson, J. M. Royal, and H. Schrader. 2,623,590, Dec. 30.
Apparatus for cutting sheets from webs of cardboard, paper, and the like. J. E. Batteraby. 2,613,741, Oct. 14.
Apparatus for cutting wires in making wire-bound boxes. D. G. Kingsley. 2,584,593, Feb. 5.
Apparatus for damping mineral fibers to be sprayed in air. N. L. Dolbey. 2,604,068, July 22.
Apparatus for delivering material from a supply at substantially constant rate. W. G. Simon. 2,622,766, Dec. 23.
Apparatus for demagnetizing magnetic recording-reproducing heads. S. J. Begun. 2,604,548, July 22.
Apparatus for deodorizing the atmosphere. H. Ward. 2,623,217, Dec. 30.
Apparatus for destroying ground moles. J. R. Cassell. 2,598,352, May 27.
Apparatus for detachably attaching camera objectives to cameras. A. Bröhl and L. Leitz. 2,618,201, Nov. 18.
Apparatus for detecting atomic and nuclear radiations. C. E. Mandeville, H. O. Albrecht, and M. V. Scherb. 2,617,955, Nov. 11.
Apparatus for detecting the passage of an object. B. L. Weller. 2,617,023, Nov. 4.
Apparatus for detecting the presence of foreign bodies in transparent containers. P. M. Johnson and L. M. Hinrichs. 2,593,311, Apr. 15.
Apparatus for detecting water vapor in gases. C. W. Kamm and C. W. Sisco. 2,593,313, Apr. 15.
Apparatus for determination of aniline point. C. W. Brown. 2,604,392, July 22.
Apparatus for determining a coagulation factor of blood samples. F. J. Schilling and A. De Natale. 2,616,796, Nov. 4.
Apparatus for determining course of an aerial target. H. K. Weiss. 2,583,033, Jan. 22.
Apparatus for determining daylight fluorescence. J. E. Tyler. 2,620,445, Dec. 2.
Apparatus for determining flame blowout in jet engines. C. W. Skarstrom. 2,589,971, Mar. 18.
Apparatus for determining location of bubbles in tubes in level instruments. W. D. Moore. 2,592,941, Apr. 15.
Apparatus for determining map references in navigation according to the hyperbola method. H. Fischer. 2,584,688, Feb. 5.
Apparatus for determining moisture content of tobacco. A. W. Schoenbaum and J. T. Ashworth. 2,587,771, Mar. 4.
Apparatus for determining pitch frequency in a complex wave. R. R. Riesz. 2,593,698, Apr. 22.
Apparatus for determining the bearing capacity of soil at various depths. J. Vermeiden. 2,619,832, Dec. 2.
Apparatus for determining the concentration of a chemically active gas in an atmosphere. M. Curry. 2,602,729, July 8.
Apparatus for determining the fluidity of molten metals. H. A. Reece. 2,595,293, May 6.
Apparatus for determining the solidifying temperatures of vapors dispersed in gases. A. B. Martin. 2,591,084, Apr. 1.
Apparatus for determining the speed of objects. D. F. Sheldon and G. F. Jenkins. 2,587,775, Mar. 4.
Apparatus for determining the time of descent of instruments within boreholes. G. L. Kothny. 2,592,295, Apr. 8.
Apparatus for determining the time of descent of instruments within boreholes. W. F. Krueger. 2,599,112, June 3.
Apparatus for determining the zone of lost circulation of drilling mud. P. E. Chaney and W. E. Barnes. 2,592,378, Apr. 8.
Apparatus for diffusing liquids in viscous masses. M. Lepin and A. Bally. 2,583,742, Jan. 29.
Apparatus for dipping articles in liquid. R. A. Kraay and E. W. Larsen. 2,591,557, Apr. 1.
Apparatus for discriminating the sex of chickens of hens and cocks and the other birds or for inspecting the internal organs of any birds or animals. T. Kizawa. 2,612,157, Sept. 30.
Apparatus for dispensing a liquefied gas. P. Peff. 2,601,763, July 1.
Apparatus for dispensing lubricant to the wheels or rollers of chain conveyers. C. C. S. Le Clair. 2,594,039, Apr. 22.
Apparatus for dispensing sheet material from rolls. C. F. Wenneche. 2,622,873, Dec. 23.
Apparatus for dispensing sheet material in roll form. R. G. Birr and F. C. Steiner. 2,616,632, Nov. 4.
Apparatus for dispersing gases in liquids. K. S. Valentine. 2,615,698, Oct. 28.
Apparatus for displaying magnetically stored data. J. J. Connolly. 2,594,731, Apr. 29.
Apparatus for displaying variable information. R. A. E. Guichard. 2,622,346, Dec. 23.
Apparatus for distilling by radiant energy. B. Ames. 2,616,839, Nov. 4.
Apparatus for distributing and drying uniform interior coatings in collapsible tubes. F. Remington and R. A. Tartaglia. 2,599,721, June 10.

Apparatus for distributing fluent materials. W. Walker. 2,613,109, Oct. 7.
Apparatus for distributing moisture in bread. H. C. Rhodes. 2,605,722, Aug. 5.
Apparatus for distributing rubber in molds. G. S. and J. C. Lawson. 2,583,955, Jan. 29.
Apparatus for distributing soluble material. I. E. Aske. 2,589,595, Mar. 18.
Apparatus for double flaring tubes. G. W. Wolcott. 2,595,036, Apr. 29.
Apparatus for drawing elongated metal objects. W. E. Kerr. 2,597,500, May 20.
Apparatus for drawing filaments. H. E. Holcomb. 2,613,039, Oct. 7.
Apparatus for drawing glass fibers. R. R. Bastian and G. Berkebile. 2,586,774, Feb. 26.
Apparatus for drawing vitreous tubes and rods. A. F. Casler. 2,604,733, July 29.
Apparatus for dressing grinding wheels. F. Lohutko. 2,602,436, July 8.
Apparatus for dressing valve seat grinding for convex valve seats. G. C. Wilhide. 2,582,763, Jan. 15.
Apparatus for dressing valve seat grinding stones for convex valve seats. G. C. Wilhide. Re. 23,500, May 20.
Apparatus for drilling deep wells. A. Arutunoff. 2,609,182, Sept. 2.
Apparatus for drilling lateral bores deviating from vertical well bores. J. A. Zublin. 2,585,207, Feb. 12.
Apparatus for drilling motion indicators. J. F. Kendrick. 2,584,026, Jan. 29.
Apparatus for drilling under water. C. H. Carlisle. 2,614,804, Oct. 21.
Apparatus for drilling wells. S. W. Collins. 2,605,083, July 29.
Apparatus for driving wedges in armature slots. W. L. Evans. 2,599,818, June 10.
Apparatus for drying and conveying ceramic bodies. J. O. Everhart. 2,618,075, Nov. 18.
Apparatus for drying and/or impregnating electric cables. G. T. W. Grieve. 2,605,738, Aug. 5.
Apparatus for drying continuous filament yarn and the like. V. G. Forzley and M. Sonnino. 2,622,182, Dec. 16.
Apparatus for drying granular material. B. S. Snow. 2,619,738, Dec. 2.
Apparatus for drying leather and other sheet material. G. H. Jennings. 2,601,150, June 17.
Apparatus for drying warp and the like. P. R. Rose. Re. 23,535, Aug. 5.
Apparatus for drying wet granular materials. G. A. Vissac. 2,598,199, May 27.
Apparatus for dusting capsules. A. Bodnar. 2,617,137, Nov. 11.
Apparatus for dynamically balancing rotating elements. U. F. Kleckner. 2,616,289, Nov. 4.
Apparatus for dynamically determining weight and for assorting articles. R. T. Pounds. 2,623,636, Dec. 30.
Apparatus for effecting combustion. E. G. Bailey. 2,602,432, July 8.
Apparatus for effecting fluidized contact between solid particles and fluid mediums. F. W. Leffer. 2,584,391, Feb. 5.
Apparatus for effecting liquid penetration of fabrics. R. D. L. Frederick. 2,600,863, June 17.
Apparatus for effecting magnetically a separation between magnetizable and nonmagnetizable particles contained in liquids, slurries and the like. R. Symington and L. H. Cleat. 2,612,262, Sept. 30.
Apparatus for electric arc spot welding. N. E. Anderson. 2,586,140, Feb. 19.
Apparatus for electric voltage and current regulation. H. E. Giroz. 2,620,465, Dec. 2.
Apparatus for electrically filtering paraffins. K. A. Fischer. 2,617,763, Nov. 11.
Apparatus for electrically filtering paraffins. K. A. Fischer. 2,620,298, Dec. 2.
Apparatus for electrically treating the soil. F. W. and W. H. Opp. 2,588,561, Mar. 11.
Apparatus for electrocoating striplike material. E. W. Rieger. Re. 23,456, Jan. 22.
Apparatus for electrolytic treatment of spaced metallic elements. H. Berman and R. I. Prupis. 2,591,042, Apr. 1.
Apparatus for electrostatically coating articles. J. G. Jenkins and G. K. Barger. 2,608,176, Aug. 26.
Apparatus for elevating contact material. E. J. Grace, Jr. 2,600,528, June 17.
Apparatus for eliminating the linear texture of a picture in projection and in optical printing by projection. A. H. J. De Lassus Saint-Geniès. 2,598,676, June 3.
Apparatus for eliminating toxic gases from exhaust fumes. L. Vecchio. 2,612,745, Oct. 7.
Apparatus for embossing paper. P. R. Illner. 2,593,149, Apr. 15.
Apparatus for emptying reservoirs. A. P. Herbelleau. 2,582,753, Jan. 15.
Apparatus for enlarging and straightening wellholes. C. E. Bannister. 2,599,041, June 3.
Apparatus for equipping crystals with wires. A. W. Ziegler. 2,602,872, July 8.
Apparatus for erasing thermoplastic phonograph records. A. I. Kegan. 2,583,297, Jan. 22.
Apparatus for evaporating and concentrating liquids. H. K. Müller. 2,596,086, May 6.
Apparatus for examining teeth. K. N. Axelsson and C. H. Björn. 2,603,753, July 15.
Apparatus for examining threads visually for defects. J. P. Laetsch and P. Litty. 2,592,039, Apr. 8.
Apparatus for expanding minerals. G. Stecker. 2,621,034, Dec. 9.
Apparatus for expanding perlite. G. H. McDonald. 2,603,471, July 15.
Apparatus for expanding slag. D. G. Wheeler. 2,605,501, Aug. 5.
Apparatus for expanding the ends of pipes. L. S. Resser. 2,623,570, Dec. 30.
Apparatus for explosive conversion of hydrocarbon gases to carbon black. A. E. Fross. 2,619,410, Nov. 25.
Apparatus for expressing oil. C. T. Nemir. 2,613,592, Oct. 14.
Apparatus for extinguishing fires. E. Meyer and M. Bassin. 2,616,505, Nov. 4.
Apparatus for extracting water from webs of pulp or paper. J. W. W. Evans. 2,601,378, June 24.
Apparatus for extruding and straining compounds. G. E. Gliss. 2,593,136, Apr. 15.
Apparatus for extruding collapsible tubes. F. Remington and R. A. Tartaglia. 2,600,921, June 17.
Apparatus for fabricating ladders for Venetian blinds. C. J. Delegard. 2,591,923, Apr. 8.
Apparatus for fabrication of plywood tubing. J. A. Potchen. 2,616,463, Nov. 4.
Apparatus for facing building blocks. W. A. Warner. 2,588,595, Mar. 11.
Apparatus for feeding and distributing electrical cordage. R. T. Adams. 2,598,485, May 27.
Apparatus for feeding and orienting pears. A. R. Thompson. 2,581,732, Jan. 8.
Apparatus for feeding and orienting pears. A. R. Thompson. 2,596,798, May 13.
Apparatus for feeding and packing loose material. D. E. Boehling. 2,619,272, Nov. 25.
Apparatus for feeding aqua ammonia and the like. F. G. Wilde. 2,583,678, Jan. 29.
Apparatus for feeding candy bars. S. C. Petrilli. 2,599,937, June 10.
Apparatus for feeding carbon interleaved sheets to typewriters and like imprinting machines. J. W. Randall. 2,590,037, Mar. 18.
Apparatus for feeding coal. L. E. Shaw. 2,604,217, July 22.
Apparatus for feeding concrete into molds. C. E. Glassen. 2,593,665, Apr. 22.
Apparatus for feeding glass ribbon. P. Bousseau and R. Touvay. 2,623,335, Dec. 30.
Apparatus for feeding ground materials. C. A. Matirko. 2,615,693, Oct. 28.
Apparatus for feeding labels or blanks. W. A. Roffey and C. A. Tredget. 2,591,199, Apr. 1.
Apparatus for feeding leather to smoothing presses. V. Kadeřávek. 2,588,845, Mar. 11.
Apparatus for feeding lengths of flat stock in uninterrupted sequence. G. Scher. 2,2,582,656, Jan. 15.
Apparatus for feeding materials at constant ratios. J. Johansen. 2,623,658, Dec. 30.
Apparatus for fermenting sponge dough. A. M. Lewis. 2,581,034, Jan. 1.
Apparatus for filling ampoules. H. E. Taylor. 2,611,524, Sept. 23.
Apparatus for filling bottles or the like with liquid. S. F. Broadhurst. 2,607,521, Aug. 19.
Apparatus for filling containers. C. F. Carter. 2,613,864, Oct. 14.
Apparatus for filling containers. H. L. Griffin. 2,604,780, July 29.
Apparatus for filling jars. H. Reichle. 2,606,705, Aug. 12.
Apparatus for filling liquid containers having vertically adjustable tank and constant level valves. L. G. Huggins and W. H. Bulcao. 2,591,071, Apr. 1.
Apparatus for filling milk cans by vacuum, with means for straining and cooling said milk. E. G. Redin, K. E. Olander, and Z. A. E. Johansson. 2,603,396, July 15.
Apparatus for filling tanks and like receptacles with liquid. J. R. Robertson. 2,623,513, Dec. 30.
Apparatus for filling tires with a liquid. B. Darrow. 2,581,914, Jan. 8.
Apparatus for filling valve bags. W. R. Peterson. 2,605,990, Aug. 5.
Apparatus for filling writing implements. P. Kollsman. 2,597,250, May 20.
Apparatus for finishing cylindrical articles. F. L. White. 2,610,450, Sept. 16.
Apparatus for finishing gears. W. S. Praeg. 2,581,700, Jan. 8.
Apparatus for finishing roads. H. A. Barber. 2,597,221, May 20.
Apparatus for finishing toothed cutting blades. S. I. Sherr. 2,592,344, Apr. 8.
Apparatus for fixing relative positions of members photographed on motion-picture film. S. Kneitel. 2,589,825, Mar. 18.
Apparatus for flavor treatment of chocolate. H. K. Wiemer. 2,612,832, Oct. 7.
Apparatus for fluid treatment of materials. H. H. Belcher and B. M. Jones. 2,618,142, Nov. 18.

Apparatus for fluid treatment of textiles and clothing. P. E. Whittington. 2,593,640, Apr. 22.
Apparatus for folding the ends of a fabric band over the end shoulders of a tire building drum. W. J. Breth. 2,608,497, Aug. 26.
Apparatus for force lasting shoes. A. S. Pringle. 2,607,056, Aug. 19.
Apparatus for forcibly propelling pellets against a surface. R. G. Piety. 2,621,351, Dec. 16.
Apparatus for forging railway axles. D. R. Cornell. 2,604,801, July 29.
Apparatus for forming and lining pipes. R. C. Rifenburg. 2,612,672, Oct. 7.
Apparatus for forming building block insulating members. J. T. Gondek. 2,617,095, Nov. 11.
Apparatus for forming candy bars and inserting sticks therein. G. S. Washburn. 2,591,033, Apr. 1.
Apparatus for forming ceramic articles. C. E. Adams. 2,618,833, Nov. 25.
Apparatus for forming confections. P. I. Henderson. 2,619,046, Nov. 25.
Apparatus for forming corners. E. J. Trahan. 2,591,320, Apr. 1.
Apparatus for forming cylindrical shapes. F. M. Darner. 2,587,975, Mar. 4.
Apparatus for forming drop-center rims. R. O. Greenshields, O. E. Schmidt, and J. G. Kay. 2,586,029, Feb. 19.
Apparatus for forming enclosed blanket insulation strips. L. M. Gilman. 2,599,625, June 10.
Apparatus for forming fibrous mats. G. M. Lannan. 2,589,008, Mar. 11.
Apparatus for forming individual record strips. M. B. Hall. 2,620,034, Dec. 2.
Apparatus for forming lubrication fittings. W. Schmid and J. A. Simkus. 2,588,298, Mar. 4.
Apparatus for forming pellets. S. A. Weigand and A. B. Monnig. 2,618,013, Nov. 18.
Apparatus for forming retractile cords. P. R. Powell. 2,583,119, Jan. 22.
Apparatus for forming sheet material under controlled pressure. R. B. Schulze, H. P. Hessler, C. M. Davison, and M. A. Winter. 2,605,731, Aug. 5.
Apparatus for forming sheet metal material. B. F. Raynes. 2,606,516, Aug. 12.
Apparatus for forming strandlike products on a carrier. J. R. Taplinger. 2,589,518, Mar. 18.
Apparatus for forming tubes. F. C. Biggert, Jr., and H. H. Talbot. 2,593,835, Apr. 22.
Apparatus for forming tubing. F. W. Sampson and E. P. Harris. 2,620,514, Dec. 9.
Apparatus for forming tubing or the like into coils. A. W. Payne. 2,616,156, Nov. 4.
Apparatus for forming tubular L's. C. F. Seibert. 2,612,205, Sept. 30.
Apparatus for forming undercut sockets in a material in a hot plastic state. J. E. Wilcock and G. H. Baillie. 2,602,270, July 8.
Apparatus for fractional distillation. J. P. Treub. 2,608,397, Aug. 28.
Apparatus for gas analysis. J. G. Fleming. 2,596,992, May 20.
Apparatus for gas analysis. W. M. Zaikowsky. 2,591,761, Apr. 8.
Apparatus for gasifying carbonaceous fuel. B. E. Roetheli and C. E. Hemminger. 2,623,815, Dec. 30.
Apparatus for gauging and for selecting articles according to size. W. F. Aller. 2,593,958, Apr. 22.
Apparatus for gauging and grading leather. R. G. Hay and H. F. Van Wye. 2,623,291–2, Dec. 30.
Apparatus for gauging sheet material. K. Fearnside and E. N. Shaw. 2,618,751, Nov. 18.
Apparatus for gauging thickness. W. C. McDonald. 2,616,068, Oct. 28.
Apparatus for generating electricity. H. G. Puttick. 2,603,756, July 15.
Apparatus for generating repeated electric pulses. W. M. Michaelis. 2,585,817, Feb. 12.
Apparatus for geophysical display. W. Roth and J. Ohman. 2,594,219, Apr. 22.
Apparatus for giving an internal gloss finish to a tube or the like of heat plastic material. J. S. Eckert. 2,583,330, Jan. 22.
Apparatus for gluing-off and end sheet pasting. E. K. Smith, Jr., and C. W. Buckley. 2,613,375, Oct. 14.
Apparatus for governing fluid flow. A. O. C. Nier, R. B. Thorness, and C. M. Stevens. 2,586,984, Feb. 26.
Apparatus for governing the supply of fuel to spill burner type fuel supply systems for jet engines. C. H. L. Wynne and R. H. D. Chamberlin. 2,619,163, Nov. 25.
Apparatus for grinding. W. G. Baldenhofer. 2,623,333, Dec. 30.
Apparatus for grinding and gauging objects such as nuts. S. D. Moxley. 2,603,042, July 15.
Apparatus for grinding crankshafts. A. Loader and M. S. Koylowski. 2,612,013, Sept. 30.
Apparatus for grinding helical gears. F. Lohutko. 2,595,591, May 6.
Apparatus for grinding the bevel edge of spectacle and other lenses. W. A. Taig. 2,612,734, Oct. 7.
Apparatus for guiding flexible tubular fabrics. J. Dungler. 2,623,264, Dec. 30.
Apparatus for guiding hot metal stock. J. Zublenko. 2,613,559, Oct. 14.
Apparatus for guiding lead wires to be soldered to crystals. K. A. Schmuldt. 2,584,297, Feb. 5.
Apparatus for halogenation. H. J. Noebels. 2,608,660, Aug. 26.
Apparatus for halving almonds. D. R. Bailey. 2,597,279, May 20.
Apparatus for handling and dumping stacked articles. R. B. Nawman. 2,598,713, June 3.
Apparatus for handling bars. M. Morgan. 2,597,944, May 27.
Apparatus for handling concrete blocks. C. C. Wooley. 2,581,568, Jan. 8.
Apparatus for handling continuous castings. I. Harter, Jr. and G. A. Pugh. 2,582,329, Jan. 15.
Apparatus for handling finely divided solid materials. C. E. Kleiber. 2,609,248, Sept. 2.
Apparatus for handling hot metal rods. J. W. Sheperdson. 2,595,006, Apr. 29.
Apparatus for handling liquid. P. T. Nims. 2,617,080, Nov. 4.
Apparatus for handling loads. J. H. Kemp, Jr. 2,588,732, Mar. 11.
Apparatus for handling metal bars. M. Morgan. 2,607,467, Aug. 19.
Apparatus for handling patients. G. I. Rockwood. 2,611,905, Sept. 30.
Apparatus for handling stacked containers. W. E. Miller. 2,619,238, Nov. 25.
Apparatus for handling strip material. R. R. Barber, P. R. Powell, and B. A. Raetsch. 2,622,820, Dec. 23.
Apparatus for handling strip material from extruding machines. G. H. Schanz. 2,592,958, Apr. 15.
Apparatus for handling strips of plastic material. V. A. Rayburn. 2,600,574, June 17.
Apparatus for handling tricot fabrics. L. L. Walmsley. 2,613,521, Oct. 14.
Apparatus for handling tubular textile fabrics. S. Cohn, J. G. Walter, and E. Cohn. 2,590,938, Apr. 1.
Apparatus for hardening rolls. F. O. Hess and J. Kniveton. 2,589,495, Mar. 18.
Apparatus for harvesting seaweed underwater. W. MacKenzie. 2,610,459, Sept. 16.
Apparatus for harvesting trees. H. Shuff. 2,583,971, Jan. 29.
Apparatus for harvesting underwater seaweed. J. M. Hay and R. F. McIver. 2,610,458, Sept. 16.
Apparatus for heat-treating bimetallic strip material. D. H. Gardner. 2,583,046, Jan. 22.
Apparatus for heat-treating mineral material. J. V. Slavick. 2,612,263, Sept. 30.
Apparatus for heat-treating nylon yarn or cord. A. P. Lewis and C. F. Fisk. 2,593,320, Apr. 15.
Apparatus for heating and handling bituminous materials. W. J. Miller. 2,613,665, Oct. 14.
Apparatus for heating and mixing plastic compositions. E. Mittelmann. 2,589,417, Mar. 18.
Apparatus for heating and pressing thermoplastic sheet material. G. W. Borkland. 2,580,883, Jan. 1.
Apparatus for heating and storing water. T. Wheeler. 2,621,901, Dec. 16.
Apparatus for heating materials. H. E. Schlenz. 2,586,998, Feb. 26.
Apparatus for heating orchards and the like. H. E. Ringle. 2,613,478, Oct. 14.
Apparatus for high-speed cutting of cylindrical metal members. O. A. Neale. 2,619,174, Nov. 25.
Apparatus for holding and elevating garment bags. T. F. Marchionda. 2,618,422, Nov. 18.
Apparatus for holding container parts for assembly. H. P. Wester. 2,623,489, Dec. 30.
Apparatus for homogenizing. A. G. Borck and C. Grönning. 2,583,206, Jan. 22.
Apparatus for hot pressing powdered metals. L. D. Richardson, Sr. 2,598,015–16, May 27.
Apparatus for hydrocarbon synthesis. H. Z. Martin. 2,622,970, Dec. 23.
Apparatus for illumination of scale dials. C. Burkhart. 2,596,810, May 13.
Apparatus for imposing pressure on liquid. F. McIntyre. 2,621,608, Dec. 16.
Apparatus for imposing vibrato on sound. D. J. Leslie. 2,622,692–3, Dec. 23.
Apparatus for impregnating cord. M. E. Hansen. 2,601,394, June 24.
Apparatus for impregnating pourable material such as chips, shavings, and fibrous material. O. F. Wyss and H. Peter. 2,601,355, June 24.
Apparatus for imprinting designs on building boards. W. C. York. 2,604,038, July 22.
Apparatus for improving milk products on the farm. F. J. J. Henrard. 2,619,025, Nov. 25.
Apparatus for improving the reproduction of sound. S. D. Zivadinovic. 2,612,234, Sept. 30.
Apparatus for increasing the bulk density of pulverulent materials. H. Dohse. 2,607,435, Aug. 19.
Apparatus for indicating a coordinate position on a chart. J. B. Copping. 2,600,484, June 17.
Apparatus for indicating air speed in terms of the local speed of sound. W. J. Orlin, H. M. Heuver, and R. E. Forrester. 2,592,176, Apr. 8.
Apparatus for indicating liquid level. W. F. Hunter and E. W. Jensen. 2,614,427, Oct. 21.
Apparatus for indicia recognition. L. E. Flory and W. S. Pike. 2,615,992, Oct. 28.

Apparatus for indicia recognition. V. K. Zworykin and L. E. Flory. 2,616,983, Nov. 4.
Apparatus for individually dispensing cards, sheets, or the like. H. O. Pierson. 2,620,250, Dec. 2.
Apparatus for individually wrapping cigarettes. C. S. Stephano. 2,584,060, Jan. 29.
Apparatus for initiating the drilling of a deviating bore from an existing vertical well bore. J. A. Zublin. 2,621,894, Dec. 16.
Apparatus for injecting fluids into well bores. R. H. Carr and K. A. Covell. 2,611,436, Sept. 23.
Apparatus for injection of liquid medicine into drinking water in a conduit. J. W. Goff. 2,610,643, Sept. 16.
Apparatus for inking ribbons. J. P. Knight. 2,599,561, June 10.
Apparatus for inserting closures in containers. D. Kirk. 2,608,918, Sept. 2.
Apparatus for inserting supplementary sheets in newspapers and the like. R. F. W. Tranter. 2,600,284, June 10.
Apparatus for inserting support wires in lamp stems. C. L. Titus and E. W. Barrett. 2,590,904, Apr. 1.
Apparatus for interlockably assembling fastener stringers. F. H. Rojahn. 2,613,433, Oct. 14.
Apparatus for internal magnetic and mechanical inspection of pipes and the like. F. Hubn. 2,587,476, Feb. 26.
Apparatus for internally coating cathode-ray tube envelopes. P. W. Conway and T. J. Hajduk. 2,589,054, May 11.
Apparatus for intraoral photography. C. A. Schlack and R. L. Taylor. 2,592,604, Apr. 15.
Apparatus for introducing cigarettes from a magazine into vertical channels. J. Basus. 2,618,421, Nov. 18.
Apparatus for inverting lamp tubes. J. H. Brooks. 2,597,283, May 20.
Apparatus for ironing insulated coils. A. Bräm. 2,618,728, Nov. 18.
Apparatus for joining ends of thermoplastic film. G. B. Bona. 2,582,581, Jan. 15.
Apparatus for keying an oscillator. R. W. Bradley and R. M. Osborn. 2,607,895, Aug. 19.
Apparatus for landing rockets and rocket ships. D. B. Driskill. 2,592,873, Apr. 15.
Apparatus for lapping shoulders. R. G. Roshong. 2,597,382, May 20.
Apparatus for launching aerial torpedoes from aircraft. P. W. Nosker. 2,585,030, Feb. 12.
Apparatus for laying and retrieving pipe lines. S. V. Collins. 2,602,300, July 8.
Apparatus for laying concrete. C. H. Shook. 2,589,634, Mar. 18.
Apparatus for lifting and transporting wheeled vehicles. G. F. Fearfield and S. Parsons. 2,593,664, Apr. 22.
Apparatus for lighting cigarettes and the like. H. S. Cahen. 2,595,512, May 6.
Apparatus for limiting the degree of subatmospheric pressures. O. H. P. Dawson. 2,588,214, Mar. 4.
Apparatus for liquefying paraffin in wells. P. H. Nash. 2,587,879, Mar. 4.
Apparatus for liquid level control. J. A. Campbell. 2,590,680, Mar. 25.
Apparatus for liquid-liquid contacting. J. R. Strong. 2,623,813, Dec. 30.
Apparatus for liquid separation. R. G. Ford. 2,608,303, Aug. 26.
Apparatus for loading and conveying glass sheets. E. Brichard. 2,601,929, July 1.
Apparatus for loading and reloading revolvers. J. W. Edmands. 2,620,584, Dec. 9.
Apparatus for loading and selectively unloading. S. V. Smith. 2,617,527, Nov. 11.
Apparatus for loading and unloading articles from retorts. F. J. Bott. 2,622,747, Dec. 23.
Apparatus for loading and unloading jars into and out of containers. G. Lufkin. 2,596,339, May 13.
Apparatus for loading freight or the like. S. M. Nampa, 2,616,375, Nov. 4.
Apparatus for loading vulcanizing molds. F. Fenton. 2,581,246, Jan. 1.
Apparatus for locating binding areas around well casing. R. B. Basham and C. W. Macune. 2,604,181, July 22.
Apparatus for lowering burial caskets into crypts. J. B. and O. A. Sinner. 2,589,882, Mar. 18.
Apparatus for lubricating internal-combustion engines. H. R. Meyer. 2,587,060, Feb. 26.
Apparatus for lubricating plastic materials undergoing extrusion. D. J. Weber. 2,597,553, May 20.
Apparatus for lubricating shafts. M. Mallory. 2,610,096, Sept. 9.
Apparatus for machining inclined ball seats. J. G. Herzberg. 2,619,878, Dec. 2.
Apparatus for maintaining alignment of traveling belts. A. G. Selfried. 2,600,273, June 10.
Apparatus for maintaining optimum temperatures in motor vehicles. D. P. Merritt. 2,606,298, Aug. 5.
Apparatus for making a toroid. M. and D. T. Thompson. 2,584,514, Feb. 5.
Apparatus for making and mounting perfect screws. J. D. Strong. 2,621,451, Dec. 16.
Apparatus for making antiskid tires and mounting the same. C. R. Kennedy. 2,608,498, Aug. 26.
Apparatus for making applicator swabs. H. L. Barber and G. L. Sellars. 2,618,027, Nov. 18.
Apparatus for making belts. C. O. Mitchell. 2,588,647, Mar. 11.
Apparatus for making bread. H. C. Rhodes. 2,604,057, July 22.
Apparatus for making cartridge casing blanks or the like. G. A. Lyon. 2,603,987, July 22.
Apparatus for making casts. C. O. Kilham. 2,581,489, Jan. 8.
Apparatus for making cheese. C. and M. L. Cohen. 2,590,510, Mar. 25.
Apparatus for making clear ice blocks. W. G. Ribeiro. 2,601,324, June 24.
Apparatus for making closures for containers. G. W. Emmert and R. J. Olson. 2,583,093, Jan. 22.
Apparatus for making commutators. R. A. Sauer. 2,593,801, Apr. 22.
Apparatus for making container closures. S. W. Dennis. 2,605,730, Aug. 5.
Apparatus for making cross fin coils. S. Przyborowski. 2,615,237, Oct. 28.
Apparatus for making dentures. C. S. Ballard. 2,592,376, Apr. 8.
Apparatus for making devices which have selenium as constituent parts thereof. C. E. Peters, D. W. Rau, and A. H. Bruemmer. 2,599,478, June 3.
Apparatus for making disintegrating top shot wads. W. N. King, N. A. Romanchuk, and R. Lynn. 2,580,794, Jan. 1.
Apparatus for making expanded sheet material. C. B. Rowe. 2,611,298, Sept. 23.
Apparatus for making fibrous cement sheet material. A. Magnani. 2,592,518, Apr. 8.
Apparatus for making flexible endless tubes. R. C. Bremer. 2,617,335, Nov. 11.
Apparatus for making French cord binding. J. Kaiser. 2,598,700, June 3.
Apparatus for making ice-cream cones. P. I. Henderson. 2,619,047, Nov. 25.
Apparatus for making laminated articles. F. Lyijynen. 2,620,014, Dec. 2.
Apparatus for making metal strips. R. M. Brennan. 2,598,344, May 27.
Apparatus for making molds. D. E. Wood. 2,589,179, Mar. 11.
Apparatus for making mouthpiece cigarettes. D. W. Molina and N. W. Jackson. 2,622,602, Dec. 23.
Apparatus for making optical wedges. H. M. Strong. 2,603,133, July 15.
Apparatus for making organic fertilizer. E. W. Eweson. 2,593,867, Apr. 22
Apparatus for making packages. F. D. Palmer. 2,604,826, July 29.
Apparatus for making paint roller covers and the like. C. H. Barnes and F. Grosse. 2,600,955, June 17.
Apparatus for making pierced forged hubs and the like. D. R. Cornell. 2,593,730, Apr. 22.
Apparatus for making rasp webs. A. E. Tobey. 2,583,615, Jan. 29.
Apparatus for making reflector surfaces. G. W. Onksen, Jr., A. H. Stuart, and G. S. Dow, Jr. 2,623,336, Dec. 30.
Apparatus for marking road surfaces. F. E. Ballew. 2,593,960, Apr. 22.
Apparatus for making sealed packages. R. A. Farrell, W. G. Mueller, and A. Bartes, Jr. 2,615,377, Oct. 28.
Apparatus for making steel castings. W. M. Duncan. 2,586,212, Feb. 19.
Apparatus for making structural elements for buildings. J. C. Davis. 2,613,423, Oct. 14.
Apparatus for making thermal insulated pipe. A. H. Isenberg. 2,608,754, Sept. 2.
Apparatus for making transmission belts. R. S. Carter and M. L. Dorf. 2,611,151, Sept. 23.
Apparatus for making tubular conduits. J. M. Fenlin. 2,602,959, July 15.
Apparatus for making tubular paper containers. J. H. Brown, Jr. 2,584,542, Feb. 5.
Apparatus for making tufted work. W. A. Honeycutt. 2,610,436, Sept. 16.
Apparatus for making V belts. J. L. Fihe and J. W. Huff. 2,598,158, May 27.
Apparatus for maintaining liquid level in absorption refrigeration systems. L. McNeely and E. P. Whitlow. 2,615,311, Oct. 28.
Apparatus for maintaining load on lengthwise moving workpieces. M. N. Weber. 2,613,078, Oct. 7.
Apparatus for manipulating articles of plastic material. A. G. Rose and J. A. Gilbert. 2,604,351, July 22.
Apparatus for manufacture of piezoelectric elements. C. Chilowsky. 2,621,624, Dec. 16.
Apparatus for manufacture of slide fasteners. M. Norkin. 2,600,677, June 17.
Apparatus for manufacture of threads. H. A. Kuljian. 2,616,155, Nov. 4.
Apparatus for manufacturing blocks. J. F. Keys. 2,601,712, July 1.
Apparatus for manufacturing boards of compressed cellulose material and the like. M. W. Baker, F. F. Bell, C. F. Curtis, II, and E. A. Patton. 2,583,249, Jan. 22
Apparatus for manufacturing corrugated inserts, adapted to be used in boxes. F. Widmer and H. Elmiger. 2,604,421, July 22.
Apparatus for manufacturing inner tubes. R. F. Ternes. 2,613,392, Oct. 14.
Apparatus for manufacturing lamellar tubing. P. R. Goldman and R. Alt. 2,591,928, Apr. 8.

Apparatus for manufacturing nuts. E. A. Green. 2,590,171, Mar. 25.
Apparatus for manufacturing plywood tubes. C. Kramer. 2,603,579, July 15.
Apparatus for manufacturing slide fasteners. H. Kaufmann. 2,612,795, Oct. 7.
Apparatus for manufacturing taper tubing. H. F. Dies and F. N. Blackmore. 2,597,623, May 20.
Apparatus for manufacturing valve bags. D. Belcher, R. J. Williams, and J. E. Voege. 2,594,849, Apr. 29.
Apparatus for manufacturing whipped cream. N. J. Pfeiffer and F. F. Suellentrop. 2,594,492, Apr. 29.
Apparatus for manufacturing whipped cream. F. F. Suellentrop. 2,584,063, Jan. 29.
Apparatus for marine operations. W. T. Guenzel. 2,581,098, Jan. 1.
Apparatus for marine seismic prospecting. J. J. Babb and N. J. Smith. Re. 23,552, Sept. 30.
Apparatus for marine well drilling. W. J. Travers, Jr. 2,602,636, July 8.
Apparatus for marking a control record. C. D. Bennes. 2,618,338, Nov. 18.
Apparatus for marking continuously moving articles. I. S. Gottscho and M. Hirschey. 2,604,039, July 22.
Apparatus for measurement and control. C. F. Ward. 2,612,902, Oct. 7.
Apparatus for measurements by variation of electrical capacity. P. Buisson. 2,611,964, Sept. 30.
Apparatus for measuring and adjusting the spring pressure on commutator brushes. M. Culkosky. 2,614,421, Oct. 21.
Apparatus for measuring and detecting magnetic objects. H. A. Kuehne. 2,587,631, Mar. 4.
Apparatus for measuring dips of well strata. L. O. Goodwin. 2,588,717, Mar. 11.
Apparatus for measuring direct voltages. W. H. Howe. 2,596,955, May 13.
Apparatus for measuring distance. A. Alford and H. M. Hart. 2,597,607, May 20.
Apparatus for measuring extension of ferromagnetic material during rolling. A. Love and G. Sik. 2,580,934, Jan. 1
Apparatus for measuring high pressures. C. G. Hård af Segerstad and J.-E. Magnusson. 2,591,255, Apr. 1.
Apparatus for measuring, indicating, and recording true vertical and horizontal distances. R. D. Moyer. 2,607,996, Aug. 26.
Apparatus for measuring intensity of magnetic fields. G. Muffly. 2,598,284, May 27.
Apparatus for measuring interstitial water content of well cores. F. A. Angona. 2,612,036, Sept. 30.
Apparatus for measuring liquid levels. D. R. de Boisblanc and L. M. Oberlin. 2,622,442, Dec. 23.
Apparatus for measuring moisture. J. R. Spalding. 2,621,232, Dec. 9.
Apparatus for measuring moisture in sheet material. J. R. Spalding. 2,621,233, Dec. 9.
Apparatus for measuring moisture in yarn. J. R. Spalding. 2,615,959, Oct. 28.
Apparatus for measuring muscular strength. J. Timmerman. 2,590,055, Mar. 18.
Apparatus for measuring oil and water production of wells. G. H., and W. W. Ennis. 2,617,299, Nov. 11.
Apparatus for measuring phase difference of periodic waves. H. A. Poole, Jr. 2,599,861, June 10.
Apparatus for measuring pulse power and for testing radio echo apparatus. F. C. Isely. 2,619,634, Nov. 25.
Apparatus for measuring rapid cooling rates. W. T. Haswell, Jr. 2,585,934, Feb. 19.
Apparatus for measuring rate of fluid flow. J. G. Fleming. 2,607,223, Aug. 19.
Apparatus for measuring rotary well strings and well depths. J. T. Hayward. 2,583,841, Jan. 29.
Apparatus for measuring tackiness. R. W. Foreman and F. H. Guth. 2,601,782, July 1.
Apparatus for measuring the combustible content of a gas. S. B. Spracklen. 2,619,409, Nov. 25.
Apparatus for measuring the heat supplied by a flow of liquid at variable temperature. L. Gailloud. 2,582,324, Jan. 15.
Apparatus for measuring the phase shift between the input and output voltages of a circuit under test. C. E. Ingalls. 2,595,263, May 6.
Apparatus for measuring the rate of flow of particulate solids through vessels. R. J. Morley and S. F. Weston. 2,603,089, July 15.
Apparatus for measuring the temperature of a moving surface. L. Cizmadia and R. J. Maloit. 2,618,672, Nov. 18.
Apparatus for measuring the torsional shear strength of soil. L. O. T. Carlson. 2,603,967, July 22.
Apparatus for measuring time intervals. M. Morrison. 2,607,414, Aug. 19.
Apparatus for measuring vapor content of gas. A. A. Obermaier. 2,621,297, Dec. 9.
Apparatus for measuring velocity. R. A. Ramey and W. Soller. 2,608,860, Sept. 2.
Apparatus for measuring water power. C. R. Moore. 2,582,146, Jan. 8.
Apparatus for measuring weight flow of fluids. P. Kollsman. 2,602,330, July 8.
Apparatus for measuring well characteristics. J. A. Niles, N. B. Simpson, H. F. Sturgis, R. P. Vincent, and C. W. Ziemer. 2,588,748, Mar. 11.
Apparatus for measuring wire and the like. R. J. Cole and E. M. Yard. 2,603,688, July 15.
Apparatus for mechanically icing refrigerator cars and the like. V. B. Williams, Sr. 2,623,363, Dec. 30.
Apparatus for melting batch material used in the manufacture of glass. H. Cole, A. R. Green, E. B. Le Mare, and R. F. Taylor. 2,592,010, Apr. 8.
Apparatus for mercerizing cloth. M. S. Dayan. 2,597,572, May 20.
Apparatus for metering and distributing anhydrous ammonia in a liquid state. T. L. Baggette and A. R. Copithorne. 2,612,760, Oct. 7.
Apparatus for milling fabrics. E. B. Bates. 2,599,804, June 10.
Apparatus for mixing manure and dry fertilizers. N. Cordis. 2,587,598, Mar. 4.
Apparatus for mixing or agitating coating and granular materials. L. Hale. 2,608,393, Aug. 26.
Apparatus for mixing rubber and the like. M. Engler. 2,593,282, Apr. 15.
Apparatus for modifying thermostat operation. G. McLarty. 2,599,569, June 10.
Apparatus for modifying the transfer characteristics of a vacuum tube. O. H. Schade. 2,583,345, Jan. 22.
Apparatus for moistening printing plates in printing machines. M. Hauser and E. Wagner. 2,622,520, Dec. 23.
Apparatus for mold casting of metals. Manuel and Mario Tama and J. L. Hoff. 2,597,269, May 20.
Apparatus for molding and vulcanizing hollow rubber articles. H. M. Dodge. 2,622,275, Dec. 23.
Apparatus for molding articles. H. L. Crowley and A. M. Hossenlopp. 2,582,922, Jan. 15.
Apparatus for molding concrete building segments. A. Henderson. 2,582,431, Jan. 15.
Apparatus for molding concrete pipes. H. F. Kennison. 2,597,934, May 27.
Apparatus for molding concrete walls. E. H. Praeger. 2,598,830, June 3.
Apparatus for molding covers upon shaft members. J. A. Karns. 2,604,661, July 29.
Apparatus for molding dental inlays. W. A. Larson. 2,620,512, Dec. 9.
Apparatus for molding pistons. W. M. Venner and P. L. Bowser. 2,588,898, Mar. 11.
Apparatus for molding plastic bottles. J. Pinsky and R. I. Zweygartt. 2,601,700, July 1.
Apparatus for molding plastic lamp receptacles. L. E. Palmer. 2,583,441, Jan. 22.
Apparatus for molding printing base material. N. A. Hunter. 2,581,860, Jan. 8.
Apparatus for molding thermoplastic materials. L. F. Kutik. 2,582,260, Jan. 15.
Apparatus for molecular distillation. W. B. Whitney. 2,587,260, Feb. 26.
Apparatus for moving articles on caster beds. D. Roe. 2,622,745, Dec. 23.
Apparatus for moving pipe. A. L. Stone. 2,596,828, May 13.
Apparatus for moving small houses and the like. J. C. Holland. 2,588,001, Mar. 4.
Apparatus for multiple copying of cinematographical films. R. F. A. V. D'Avitaya. 2,600,489, June 17.
Apparatus for multiple grinding. H. H. Morris. 2,608,033, Aug. 26.
Apparatus for nebulizing. F. H. and W. P. Adams. 2,605,764, Aug. 5.
Apparatus for no-effort inhalation anesthesia. M. A. Loredo. 2,593,774, Apr. 22.
Apparatus for observing operating characteristics of moving elements. F. Abell. 2,602,324, July 8.
Apparatus for obtaining aerosols. L. Dautrebande. 2,605,087-9, July 29.
Apparatus for oiling and cleaning pallets. R. O. Davis. 2,614,525, Oct. 21.
Apparatus for opening compressed packages. J. R. Nordstrom. 2,588,752, Mar. 11.
Apparatus for operating excavating tools. G. E. Baldry. 2,622,847, Dec. 23.
Apparatus for operating upon chains of frankfurters and the like. H. E. Schaller. 2,623,237, Dec. 30.
Apparatus for orienting and aligning cylindrical-shaped articles. P. R. Hoopes and G. C. Froelich. 2,615,556, Oct. 28.
Apparatus for packaging frozen fruit juices. G. R. Attride. 2,613,488, Oct. 14.
Apparatus for packaging materials. H. C. Hopp. 2,601,020, June 17.
Apparatus for packaging nuts, with gasing and vacuum means comprising tubular bag supporting needles. E. G. Nichols. 2,606,704, Aug. 12.
Apparatus for packing materials. E. H. Carruthers. 2,602,578, July 8.
Apparatus for packing of ribbon or filamentary material. E. N. Broden. 2,604,687, July 29.
Apparatus for painting motorcar bodies. A. P. Fowler. 2,598,246, May 27.
Apparatus for palletizing. L. K. Fehrenbach. 2,594,894, Apr. 29.
Apparatus for partially dehydrating and cleansing oily wood preservatives. J. A. Vaughan and J. C. Vinson. 2,603,588, July 15.
Apparatus for passing cleaner fluid through fabrics. R. K. Sedgwick. 2,586,569, Feb. 19.

Apparatus for peeling tomatoes. M. W. Lowe. 2,609,022, Sept. 2.
Apparatus for percolating coffee. F. C. Johnson. 2,601,821, July 1.
Apparatus for perforating distortable material. P. L. Kline. 2,585,252, Feb. 12.
Apparatus for photographic reproduction of documents. L. J. E. A. Dodin. 2,602,370, July 8.
Apparatus for photographically composing text matter. G. Westover. 2,616,330, Nov. 4.
Apparatus for photographing and exhibiting a multiplicity of different pictures in succession. F. E. Tuttle and W. Bornemann. 2,596,740, May 13.
Apparatus for picking fowl. A. Sharp. 2,603,831, July 22.
Apparatus for pickling coils. C. G. Watson. 2,608,197, Aug. 26.
Apparatus for piercing and clenching superposed sheets. J. Pettorossi. 2,586,479, Feb. 19.
Apparatus for piling sheets. F. K. Schefe. 2,622,876, Dec. 23.
Apparatus for placing a pickup on a record at a preselected position. A. W. Courtis and K. G. D. Hallett. 2,587,970, Mar. 4.
Apparatus for placing beams in baling presses. G. A. Seidel. 2,598,075, May 27.
Apparatus for plating metal strips. H. A. Toulmin, Jr. 2,580,976, Jan. 1.
Apparatus for playing card games. E. F. Burton. 2,598,969, June 3.
Apparatus for polishing continuous strip material. D. A. Wallace. 2,621,445, Dec. 16.
Apparatus for popping corn by high-frequency radiation. C. C. Miller. 2,603,142, July 15.
Apparatus for porcelain enameling sheet metal. R. G. Calton. 2,580,406, Jan. 1.
Apparatus for positioning a rotary controlled element. H. F. Elliott. 2,591,413, Apr. 1.
Apparatus for positioning and broaching buttons. J. F. Schneider, Jr. 2,582,461, Jan. 15.
Apparatus for positioning rotary controlled elements. H. F. Elliott. 2,591,344, Apr. 1.
Apparatus for positioning strip. E. T. Lorig. 2,593,157–8, Apr. 15.
Apparatus for positive respiration during gas anesthesia. P. L. Stanton. 2,582,210, Jan. 8.
Apparatus for power measurements at high frequencies. E. W. Houghton. 2,617,843, Nov. 11.
Apparatus for precipitation of solids from solutions and the like. V. Harms. 2,606,820, Aug. 12.
Apparatus for precision bore grinding. R. S. Pyne. 2,584,499, Feb. 5.
Apparatus for precision grinding. C. T. Rhodes. 2,611,221, Sept. 23.
Apparatus for precooling. B Wilson. 2,588,189, Mar. 4.
Apparatus for preparing a suspension of finely divided solid in a gaseous medium. J. Daniels. 2,621,083, Dec. 9.
Apparatus for preparing and spraying cementitious materials. W. G. and W. D. Brown. 2,603,462, July 15.
Apparatus for preparing citrus fruit. W. A. Boden. 2,613,711, Oct. 14.
Apparatus for preparing concentrates. M. Weiss and S. Natelson. 2,587,556, Feb. 26.
Apparatus for preparing green corn for canning. O. G. Morral. 2,610,635, Sept. 16.
Apparatus for preparing masking aprons. W. A. Bihary. Re. 23,542, Sept. 2.
Apparatus for preparing the surface of a panel on a fire extinguisher shell to receive printing thereon. R. F. Russell. 2,616,222, Nov. 4.
Apparatus for pressure injecting casting material by diaphragm pumps. L. H. Morin. 2,609,575, Sept. 9.
Apparatus for pressure molding articles of plastic material, of edible material, and of nonferrous metals. L. Deschamps. 2,621,365, Dec. 16.
Apparatus for pressurizing liquid and cleaning well holes therewith. R. A. Smith and L. Pierce. 2,619,180, Nov. 25.
Apparatus for preventing backflow of liquid. M. H. Grove. 2,586,942, Feb. 26.
Apparatus for preventing undesired release of fluid pressure brakes. A. T. Gorman and E. S. Cook. 2,612,412, Sept. 30.
Apparatus for printing newspapers and the like. W. W. Davidson. 2,593,118, Apr. 15.
Apparatus for processing canned foods and the like. C. W. Sanders. 2,605,969, Aug. 5.
Apparatus for processing crushed pineapple. E. S. Sheffield, Jr., and M. Bainbridge. 2,622,734, Dec. 23.
Apparatus for processing food stock. D. W. Griswold and H. N. Ricket. 2,580,420, Jan. 1.
Apparatus for processing surfaces of cylindrical articles and the like. E. J. Anderson. 2,613,631, Oct. 14.
Apparatus for processing surfaces of tubular articles such as steel drums and the like. S. S. Johns and W. Funk. 2,613,634, Oct. 14.
Apparatus for producing a stream of electrically charged multimolecular particles. C. H. Richards. 2,600,129, June 10.
Apparatus for producing airlaid fibrous webs. E. C. Bertolet, Jr. 2,581,069, Jan. 1.
Apparatus for producing an embossed coating on sheet materials. M. W. Ditto and R. H. Hugger. 2,591,240, Apr. 1.
Apparatus for producing artistic designs. L. Jackson. 2,603,078, July 15.
Apparatus for producing artistic designs in absorbent material. L. Jackson. 2,584,021, Jan. 29.
Apparatus for producing chime tones and method of tuning musical bars. P. H. Rowe. 2,588,295, Mar. 4.
Apparatus for producing coated fabrics. C. S. Francis, Jr. 2,593,553, Apr. 22.
Apparatus for producing coils of narrow strip fed thereto from a slitter. H. A. Ray. 2,615,645, Oct. 28.
Apparatus for producing curved or plane surfaces. C. F. Root. 2,590,042, Mar. 18.
Apparatus for producing drive pins. H. R. Hilstrom. 2,586,166, Feb. 19.
Apparatus for producing electrified powders by friction. P. Hampe. 2,590,534, Mar. 25.
Apparatus for producing flat glass. J. L. Drake. 2,598,893, June 3.
Apparatus for producing glass sheets. J. L. Drake. 2,598,894, June 3.
Apparatus for producing high tenacity artificial yarn and cord. H. D. Merion and H. J. McDermott. 2,611,925, Sept. 30.
Apparatus for producing moire fabrics. H. A. Holterhoff. 2,598,795, June 3.
Apparatus for producing paper. H. M. Davis. 2,608,912, Sept. 2.
Apparatus for producing refractory rods. R. H. Lester, M. C. Cannon, and F. C. Alexander, Jr. 2,591,561, Apr. 1.
Apparatus for producing rolls of upholsterer's felt of uniform length and weight. B. I. Hogan. 2,588,725, Mar. 11.
Apparatus for producing seat pads. J. R. Millar, R. J. Stack, and C. J. Davies. 2,582,449, Jan. 15.
Apparatus for producing sheet glass. J. L. Drake. 2,607,168, Aug. 19.
Apparatus for producing stereoscopic pictures. W. A. Ayres. 2,587,585, Mar. 4.
Apparatus for producing synthesis gas. C. L. Crawford. 2,613,145, Oct. 7.
Apparatus for producing textile fabrics. T. H. Johnson and W. L. Thompson, Jr. 2,596,246, May 13.
Apparatus for producing the suspension of a liquid in a gasiform atmosphere. F. Gauchard. 2,600,503, June 17.
Apparatus for producing uniform foam structures. J. D. Nelson, J. J. Pyle, and J. W. Underwood. 2,588,151, Mar. 4.
Apparatus for producing varying speed gearing. E. J. Illinsky. 2,602,374, July 8.
Apparatus for producing varying speed gearing. J. H. Holstein. 2,616,336, Nov. 4.
Apparatus for producing viscose. M. P. Kulp and C. D. Vadenburgh. 2,622,855, Dec. 23.
Apparatus for producing wrinkle texture on nonwrinkling films. W. F. Flanagan. 2,613,393, Oct. 14.
Apparatus for production analysis. E. A. Boyan. 2,591,124, Apr. 1.
Apparatus for production of carbon black. G. L. Heller. 2,597,992, May 27.
Apparatus for production of music. B. F. Miessner. 2,594,967, Apr. 29.
Apparatus for progressing articles of manufacture. N. B. Ornitz. 2,616,549, Nov. 4.
Apparatus for projecting images from television receivers. M. A. Schlesinger. 2,590,130, Mar. 25.
Apparatus for projecting matched mosaic picture images. F. Waller and R. C. Babish. 2,610,544, Sept. 16.
Apparatus for projecting rounds of ammunition. L. Motley. 2,594,199, Apr. 22.
Apparatus for projecting strip films and related cabinet structures. L. Oestreicher. 2,608,126, Aug. 26.
Apparatus for proportioning conditions. A. J. Rosenberger. 2,586,093, Feb. 19.
Apparatus for protecting workers against dust and the like. D. H., and D. L. Lossli. 2,604,840, July 29.
Apparatus for providing oxygen or other gases to meet variable demands. S. C. Collins and W. W. Paget. 2,601,764, July 1.
Apparatus for pulping papermaking material. W. V. Knoll. 2,616,340, Nov. 4.
Apparatus for raising and leveling forms for walls of concrete structures. J. M. Jack, G. H. Webb, and L. H. Jefferson. 2,596,854, May 13.
Apparatus for raising and transporting loads. R. C. Gavin. 2,599,444, June 3.
Apparatus for raising reclining corn plants to vertical positions. K. D. Laun. 2,601,305, June 24.
Apparatus for rapid processing of film. C. M. Tuttle and P. H. Stafford. 2,582,182, Jan. 8.
Apparatus for reconditioning phonograph record disks. R. M. Somers. 2,615,197, Oct. 28.
Apparatus for reconditioning road-surfacing materials. P. R. McEachran. 2,619,013, Nov. 25.
Apparatus for reacting ammoniacal gases. A. G. Houpt. 2,584,080, Jan. 29.
Apparatus for recovering volatile materials. E. F. Drew. 2,585,638, Feb. 12.
Apparatus for recording and reproducing electrical communication currents. M. H. Jennings. 2,592,572, Apr. 15.
Apparatus for recording movement. R. J. Hill. 2,598,541, May 27.

Apparatus for recording numerals in code. C. Clos. 2,614,632, Oct. 21.
Apparatus for recording surface conditions inside tubular elements. J. W. and E. L. Sawyer. 2,618,014, Nov. 18.
Apparatus for recovering the hydraulic energy of a high velocity flow of water under free surface conditions. P. F. Danel. 2,605,616, Aug. 5.
Apparatus for recovering the inorganic content of concentrated waste liquor. N. E. Nilsson. 2,591,188, Apr. 1.
Apparatus for recovery of finely divided particles. J. Beam. 2,593,718, Apr. 22.
Apparatus for recovery of gas-suspended solids. H. L. Richardson. 2,603,307, July 15.
Apparatus for recovery of solid material from continuous contact filtration process. J. E. Penick and E. V. Bergstrom. 2,614,653, Oct. 21.
Apparatus for reducing metallic oxides. F. W. de Jahn. 2,591,789, Apr. 8.
Apparatus for reducing the porosity of castings. H. F. Schroeder. 2,610,372, Sept. 16.
Apparatus for reduction of frangible material. G. W. Borton and S. D. Hartshorn. 2,600,964, June 17.
Apparatus for refrigerating enclosures. A. Latham, Jr. and J. R. Swanton, Jr. 2,591,168, Apr. 1.
Apparatus for regenerating a fluidized catalyst. L. E. Border and R. P. Trainer. 2,604,384, July 22.
Apparatus for registering an article with a label-applying element. S. T. Carter. 2,602,561, July 8.
Apparatus for registering printing rollers, especially for color printing. A. Navarre. 2,602,237, July 8.
Apparatus for regulating the flow of thixotropic colloids and the like. W. E. McFadden. 2,587,188, Feb. 26.
Apparatus for regulating yarn tension. P. J. Campbell. 2,610,813, Sept. 16.
Apparatus for reinforcing air hose. E. P. Harris and F. W. Sampson. 2,615,491, Oct. 28.
Apparatus for releasing slips. T. Pennington and M. R. Jones. 2,623,593, Dec. 30.
Apparatus for relieving the teeth of circular cutting elements. R. W. Andreasson. 2,585,986, Feb. 19.
Apparatus for relief and movement photography. M. Bonnet. 2,622,472, Dec. 23.
Apparatus for removal of gases from liquids. C. H. Goodwin. 2,592,680, Apr. 15.
Apparatus for removal of oil tank sludge and sediment. T. A. Smith. 2,612,998, Oct. 7.
Apparatus for removing caps from jars. A. L. Tambini, E. N. Burnett, E. M. Fischer and J. Lima. 2,606,707, Aug. 12.
Apparatus for removing drum covers. E. Grandinetti, J. J. Rush, and O. C. Balmer. 2,595,245, May 6.
Apparatus for removing dust from gases. E. Mercier and M. Ehlinger. 2,603,309, July 15.
Apparatus for removing excess wax coating from can flanges. R. A. Larson. 2,604,871, July 29.
Apparatus for removing human skin for grafting purposes. B. Douglas. 2,590,299, Mar. 25.
Apparatus for removing iron impurities from fluid streams. H. S. Anders. 2,607,492, Aug. 19.
Apparatus for removing liquid from cotton linters. C. B. Weiss and C. W. Dean. 2,607,679, Aug. 19.
Apparatus for removing nondesirable substances from cocoa berries. O. E. Widén. 2,582,664, Jan. 15.
Apparatus for removing oil from the ignition electrodes of oil burners. J. A. Logan. 2,619,287, Nov. 25.
Apparatus for removing the outer layers from hard kernoled grains. R. H. Brown. 2,599,892, June 10.
Apparatus for removing the product film from a revolving drum surface. C. O. Lavett. 2,592,914, Apr. 15.
Apparatus for removing toothpicks from beads. F. E. Clearwater. 2,595,641, May 6.
Apparatus for resurfacing plastic record belts and the like. A. I. Kegan and F. S. Ajero. 2,609,789, Sept. 9.
Apparatus for retreading rubber tires. L. H. Cohen. 2,599,433, June 3.
Apparatus for rolling strip material. F. P. Dahlstrom. 2,601,792, July1.
Apparatus for rough and fine grinding of spherical surfaces. J. R. Turner. 2,600,815, June 17.
Apparatus for sampling pulp. S. P. H. E. Holgersson, M. S. Rudberg, and D. R. Rydberg. 2,615,339, Oct. 28.
Apparatus for scheduling and following production operations. F. W. Sammons. 2,585,042, Feb. 12.
Apparatus for screening a suspension of solid material in a liquid. H. F. Schenk. 2,593,202, Apr. 15.
Apparatus for scribing. F. E. Kunzler. 2,594,457, Apr. 29.
Apparatus for scribing dental models. D. S. McPhee. 2,597,661, May 20.
Apparatus for sealing containers. R. A. Farrell and W. G. Mueller. 2,609,735, Sept. 9.
Apparatus for sealing containers. J. Hohl and O. Bjering. 2,620,112, Dec. 2.
Apparatus for sealing dielectric materials. H. Hacklander. 2,609,481, Sept. 2.
Apparatus for sealing-in electron tubes and the like. R. F. Doran. 2,581,945, Jan. 8.
Apparatus for sealing off wells being drilled. W. H. Pletcher. 2,589,430, Mar. 18.
Apparatus for sealing plastics. K. F. Spalding and F. V. Collins. 2,581,977, Jan. 8.
Apparatus for sealing valved bags. W. R. Peterson and C. H. Hartman. 2,613,022, Oct. 7.
Apparatus for sealing wells. J. G. Dyer. 2,609,880, Sept. 9.
Apparatus for securing a closure supporting ring in the end of a receptacle body. A. Merkle. 2,608,914, Sept. 2.
Apparatus for securing dry steam. W. S. Patterson. 2,594,490, Apr. 29.
Apparatus for selective operation of registers in liquid dispensing mechanisms. C. S. Hazard. 2,612,288, Sept. 30.
Apparatus for selecting signals of a particular frequency. L. Chauveau. 2,593,266, Apr. 15.
Apparatus for semiwet development of photoprints. F. Nagels and J. H. G. Selen. 2,605,684, Aug. 5.
Apparatus for seismic exploration. T. C. Poulter. 2,615,521, Oct. 28.
Apparatus for separating and cleaning potatoes. W. T. Pfister. 2,591,194, Apr. 1.
Apparatus for separating carbon sheets from manifold packs. H. J. Gottlieb. 2,619,175, Nov. 25.
Apparatus for separating conjointly gathered bag tube walls. W. W. Rowe, C. L. Spangler, and R. C. Frick. 2,615,375, Oct. 28.
Apparatus for separating cooking liquor from pulp. P. G. von Hildebrandt. 2,592,983, Apr. 15.
Apparatus for separating frozen articles from molds. W. E. Heise. 2,614,510, Oct. 21.
Apparatus for separating ice from ice-packed fish. T. S. Gorton. 2,617,532, Nov. 11.
Apparatus for separating immiscible liquids. J. W. Robinson. 2,611,490, Sept. 23.
Apparatus for separating liquids. W. Alexander. 2,581,341, Jan. 8.
Apparatus for separating liquids and gases. J. V. Crawford and R. W. Jensen. 2,607,437, Aug. 19.
Apparatus for separating magnetic material. W. J. Scott. 2,604,207, July 22.
Apparatus for separating materials. J. T. Halza. 2,620,067, Dec. 2.
Apparatus for separating mud, weeds, and stems from vegetables. A. A. Armer. 2,604,206, July 22.
Apparatus for separating oil emulsion. E. R. Williams. 2,615,528, Oct. 28.
Apparatus for separating products. L. and F. Pearman. 2,589,957, Mar. 18.
Apparatus for separating solid granular materials of different specific gravities. K. F. Tromp. 2,603,352, July 15.
Apparatus for separating solids from a liquid body. A. W. Way. 2,586,447, Feb. 19.
Apparatus for separating solids from currents of gases. T. K. Stevenson. 2,599,139, June 3.
Apparatus for separating solids of relatively different wettabilities. E. Klepetko and L. J. Hartzell, Jr. 2,606,660, Aug. 12.
Apparatus for separating sugar beets or the like from heavier articles such as rocks, sand and mud. C. F. McNerny, M. S. Davidson, and L. N. Jeffries. 2,586,846, Feb. 26.
Apparatus for separating two-phase mixtures. G. J. Bacsik. 2,615,792, Oct. 28.
Apparatus for separation of sulfur vapors. E. S. Boe. 2,600,464, June 17.
Apparatus for serrating knife edges. E. C. Sasse. 2,623,416, Dec. 30.
Apparatus for servicing airplane propellers. J. F. Sweeney, E. T. Able and I. A. MacKay. 2,602,217, July 8.
Apparatus for setting pins. H. C. Luebbert. 2,591,450, Apr. 1.
Apparatus for setting thermostatic controls. S. J. Jacobs. 2,592,905, Apr. 15.
Apparatus for setting-up box blanks. D. Levkoff. 2,587,050, Feb. 26.
Apparatus for setting up boxes. W. F. Linstedt. 2,581,491, Jan. 8.
Apparatus for setting up paper receptacles. R. R. Richardson and D. W. Coy. 2,608,139, Aug. 26.
Apparatus for severing and bursting a continuous multiform. E. S. Wright. 2,600,041, June 10.
Apparatus for severing metallic material. R. F. Brewer. 2,621,277, Dec. 9.
Apparatus for severing plastic bodies. P. Jakobsson and W. Sebardt. 2,599,920, June 10.
Apparatus for shaping clayware. A. G. Ellis. 2,586,628, Feb. 19.
Apparatus for shaping metal plates. G. P. Benes. 2,581,622, Jan. 8.
Apparatus for sharpening lawn mowers. W. J. Pine. 2,598,069, May 27.
Apparatus for showering molten metals. S. E. Woods. 2,613,074, Oct. 7.
Apparatus for shrinking and condensing textile fabrics. F. Chatfield. 2,583,630, Jan. 29.
Apparatus for simulating a game of football. S. S. Field. 2,616,696, Nov. 4.
Apparatus for simulating a snowfall. J. Hormann. 2,587,620, Mar. 4.
Apparatus for sizing tubing. B. E. Frank. 2,585,450, Feb. 12.
Apparatus for sizing tubing. R. I. Hahn and B. E. Frank. 2,585,459, Feb. 12.
Apparatus for smoking fish. G. A. Lawrence. 2,585,799, Feb. 12.

Apparatus for smoothly rounding tubular can bodies. J. M. and H. B. Olvey. 2,605,809, Aug. 5.

Apparatus for sorting heavy bars. T. K. Graham and C. P. Etterer. 2,609,095, Sept. 2.

Apparatus for sorting postal packets. J. F. Doust. 2,609,928, Sept. 9.

Apparatus for sorting radioactive ore. C. M. Lapointe. 2,617,526, Nov. 11.

Apparatus for sound recording and reproduction on films. J. Brière. 2,600,471, June 17.

Apparatus for sowing seeds. G. Hyltén-Cavallius. 2,615,408, Oct. 28.

Apparatus for spectrophotometry. P. C. Mathieu. 2,613,572, Oct. 14.

Apparatus for spinning artificial filaments. H. J. McDermott. 2,586,970, Feb. 26.

Apparatus for spinning solutions of high polymers. P. Sale and J. A. Trillat. 2,589,870, Mar. 18.

Apparatus for spinning textile fibers and the like. A. O. Bishop. 2,623,347, Dec. 30.

Apparatus for spinning, twisting, and winding yarn. J. J. Gannon and C. P. Powell. 2,611,229, Sept. 23.

Apparatus for splitting almonds. D. R. Bailey. 2,601,490, June 24.

Apparatus for splitting rubber thread. S. C. Lilley. 2,587,634, Mar. 4.

Apparatus for spray painting vehicle bodies. S. J. L. Whitworth and E. D. Brown. 2,597,974, May 27.

Apparatus for spraying. W. M. Spreng. 2,587,240, Feb. 26.

Apparatus for spraying cinematographic film and a method for imbibition printing. W. E. Pohl. 2,602,387, July 8.

Apparatus for spraying fluid into tubular members. M. C. Brown. 2,604,872, July 29.

Apparatus for spraying particles of insulating material. J. L. Kempthorne. 2,585,133, Feb. 12.

Apparatus for spraying rotating radial surfaces. W. MacWilliam. 2,613,635, Oct. 14.

Apparatus for spraying terminals onto the ends of wound condensers. E. F. Eger and C. R. Rasmussen. 2,622,554, Dec. 23.

Apparatus for stacking carton blanks. A. Essex, E. E. Garrett, and J. Kallenberg. 2,599,442, June 3.

Apparatus for stacking sheet material. T. Toronto. 2,596,448, May 13.

Apparatus for stacking wallboard panels and the like. D. C. Jeffrey. 2,607,501, Aug. 19.

Apparatus for steaming webs. W. W. Spooner. 2,621,504, Dec. 16.

Apparatus for steering aircraft. R. H. Goddard. 2,594,766, Apr. 29.

Apparatus for storing forage. F. N. G. Kranick. 2,605,692, Aug. 5.

Apparatus for straightening round rods or tubes of plastic material. E. W. Larsen and J. G. Meyer. 2,582,491, Jan. 15.

Apparatus for stressing bolts and studs. J. J. Kanter. 2,622,465, Dec. 23.

Apparatus for stretching and guiding tubular textile articles. J. Dungler. 2,623,263, Dec. 30.

Apparatus for striping wire. J. L. Entwistle and A. W. Nelson. 2,581,180, Jan. 1.

Apparatus for stripping finely divided solids. J. Weikart. 2,587,554, Feb. 26.

Apparatus for stripping food products from a spur plate. A. J. Sestilio. 2,621,818, Dec. 16.

Apparatus for stripping insulation from wires. E. S. Geary. 2,584,692, Feb. 5.

Apparatus for stripping leaves from flowers. O. W. Swanson. 2,592,833, Apr. 15.

Apparatus for stunning or killing animals. L. E. Sadler. 2,588,770, Mar. 11.

Apparatus for stunning poultry. G. C. Cosden. 2,621,362, Dec. 16.

Apparatus for subjecting materials to a disintegrating or pulping treatment. K. Wandel. 2,592,215, Apr. 8.

Apparatus for submerged gas diffusion. W. J. Hughes. 2,622,858, Dec. 23.

Apparatus for supplemental selective feeding of water and alcohol in an engine fuel feed device. W. M. Baumheckel. 2,606,537, Aug. 12.

Apparatus for supplying and distributing liquids. A. W. Eckstrom. 2,583,364, Jan. 22.

Apparatus for supplying charge material to mass spectrometers. V. L. Parsegian and C. M. Stevens. 2,618,750, Nov. 18.

Apparatus for supplying fluid-borne flow of abrasive material. E. R. Ziegler. 2,612,732, Oct. 7.

Apparatus for supplying liquid fuel to the combustion chamber of, and controlling the quantity of motive air in hot-air engines. R. J. Ifield. 2,588,530, Mar. 11.

Apparatus for supplying mechanical recording bias to magnetic recorders. M. Camras. 2,587,593, Mar. 4.

Apparatus for supporting and adjusting the position of a device with respect to work. K. Skivesen. 2,622,606, Dec. 23.

Apparatus for supporting and washing Venetian blinds. W. S. DeHart. 2,586,620, Feb. 19.

Apparatus for supporting cores in toroidal coil winding machines. M. O. Bennert and N. C. Moore. 2,608,892, Sept. 2.

Apparatus for supporting glass sheets or plates. N. A. Dicks and B. A. Schultz. 2,618,905, Nov. 25.

Apparatus for taking photographs of body cavities. E. J. Marcouiller. 2,601,406, June 24.

Apparatus for taking stereoscopic pictures without abnormal stereoscopic effects. F. H. Reijnders. 2,595,409, May 6.

Apparatus for temperature regulation. M. Frisch. 2,604,085, July 22.

Apparatus for tempering curved glass sheets. T. W. Glynn. 2,608,029, Aug. 26.

Apparatus for tensioning and joining the ends of metal binding strapping, wire, and the like around a body. W. J. Keeble. 2,622,460, Dec. 23.

Apparatus for tensioning studs. E. C. Ledbetter. 2,600,549, June 17.

Apparatus for testing aeronautical equipment. E. Lundgren. 2,615,331, Oct. 28.

Apparatus for testing amplifiers. M. Conrad. 2,587,697, Mar. 4.

Apparatus for testing and demonstrating characteristics of fusible protective devices. W. S. Edsall. 2,605,322, July 29.

Apparatus for testing and sorting thin rubber goods. C. H. Fry. 2,609,094, Sept. 2.

Apparatus for testing automatic storage battery chargers. E. Salzberg. 2,582,460, Jan. 15.

Apparatus for testing batteries. L. A. Medlar and J. B. Godshalk. 2,621,231, Dec. 9.

Apparatus for testing connectors for leakage. R. D. Gambrill. 2,608,854, Sept. 2.

Apparatus for testing cord fatigue. T. J. Rhodes. 2,612,040, Sept. 30.

Apparatus for testing crystal rectifiers. P. D. Strum. 2,585,353, Feb. 12.

Apparatus for testing dynamoelectric armatures. H. Weichsel. 2,599,960, June 10.

Apparatus for testing fluid pressure switches. F. J. Foust, D. R. Burk, and R. C. Wheichel. 2,615,327, Oct. 28.

Apparatus for testing gear teeth. A. Aeppli. 2,585,528, Feb. 12.

Apparatus for testing insulation. L. D. Hansen and D. E. Overmyer. 2,623,100, Dec. 23.

Apparatus for testing materials. C. N. Kimball, W. R. Lewis, and H. A. Strecker. 2,593,766, Apr. 22.

Apparatus for testing materials. F. W. Stein. 2,593,807, Apr. 22.

Apparatus for testing packing materials. R. W. Justice. 2,611,263, Sept. 23.

Apparatus for testing projectile fuse safety devices. S. J. Metzler and R. H. Thayer. 2,603,970, July 22.

Apparatus for testing storage batteries. G. S. Tanner. 2,588,776, Mar. 11.

Apparatus for testing the continuity of fuses. E. C. Van Biarcom. 2,586,125, Feb. 19.

Apparatus for testing the coordination of aviators. W. F. Grether. 2,604,706, July 29.

Apparatus for testing the resistance of materials to abrasion. H. F. Schiefer. 2,603,083, July 15.

Apparatus for testing turbine stop valves while in service. J. H. Doran. 2,617,438, Nov. 11.

Apparatus for the acceleration of electrons. H. B. G. Casimir. 2,593,845, Apr. 22.

Apparatus for the administration of inhalant gas mixtures. H. R. Marrett. 2,586,677, Feb. 19.

Apparatus for the automatic splicing of webs. E. E. Garrett, A. Essex, and W. G. Hampton. 2,606,136, Aug. 5.

Apparatus for the catalytic conversion of hydrocarbons. G. F. Kuhn. 2,590,980, Apr. 1.

Apparatus for the combustion of combustible and vaporizable substances. C. A. Bonvillian, R. C. Brierly, and S. Letvin. 2,601,242, June 24.

Apparatus for the continuous casting of metal rods. I. Rossi. 2,609,574, Sept. 9.

Apparatus for the continuous cooling or drying of gas. G. E. Larson. 2,621,899, Dec. 16.

Apparatus for the continuous production of water gas. A. R. Broadman. 2,581,575, Jan. 8.

Apparatus for the continuous treatment of filamentary material. R. Lipscomb. 2,618,021, Nov. 18.

Apparatus for the control of heating. A. M. Levine. 2,620,136, Dec. 2.

Apparatus for the control of respiration, resuscitation and anaesthesia. J. H. Biesse. 2,591,120, Apr. 1.

Apparatus for the delivering of liquids under pressure. W. Pool. 2,584,226, Feb. 5.

Apparatus for the dry development of diazotype photographic paper. W. O. Snelling. 2,590,899, Apr. 1.

Apparatus for the drying of granular and powdery materials. N. Goulounès and A. E. Caillat. 2,622,342, Dec. 23.

Apparatus for the extrusion molding of concrete and like materials. G. J. F. Leiti. 2,611,941, Sept. 30.

Apparatus for the formation of metallic films by thermal evaporation. E. Weber and S. A. Johnson. 2,610,606, Sept. 16.

Apparatus for the ignition of explosive materials in liquids. W. B. Smits. 2,623,921, Dec. 30.

Apparatus for the indirect heating of fluids. P. J. Schoenmakers and W. L. van de Putte. 2,610,842, Sept. 16.

Apparatus for the liquid treatment of yarns and the like. H. P. Fry, Jr. 2,608,850, Sept. 2.

Apparatus for the maintenance of true bearing. J. W. Horton, J. B. Haynes, G. D. Gillett, and R. G. Stephenson. 2,619,733, Dec. 2.

Apparatus for the manufacture of carbon black. R. W. Skoog and I. Drogin. 2,590,660, Mar. 25.

Apparatus for the manufacture of glass articles. A. H. Laidig. 2,593,771, Apr. 22.

Apparatus for the manufacture of glass articles. D. Couquelet. 2,611,217, Sept. 23.

Apparatus for the manufacture of glass wool and other filamentous liquefiable solid materials. I. W. Archibald. 2,588,690, Mar. 11.

Apparatus for the manufacture of glue and gelatine. N. C. and J. E. Hill. 2,619,413, Nov. 25.

Apparatus for the manufacture of machine elements similar to or analogous to cams. J. Janatka. 2,620,600, Dec. 9.

Apparatus for the manufacture of ornamental rod shapes. F. De Petrillo. 2,607,395, Aug. 19.

Apparatus for the manufacture of patterned thermoplastic strip material. J. Veit. 2,581,614, Jan. 8.

Apparatus for the manufacture of phonographic disks. A. B. St. Hilaire. 2,594,364, Apr. 29.

Apparatus for the manufacture of pneumatic tires. R. J. Barber. 2,604,420, July 22.

Apparatus for the manufacture of steel reinforcing bar for concrete structures and the like. F. De Fazi. 2,598,039, May 27.

Apparatus for the manufacture of tapered conductors. G. F. Laing. 2,607,724, Aug. 19.

Apparatus for the manufacture of tubular fabrics. H. Slowak. 2,622,627, Dec. 23.

Apparatus for the manufacture of Venetian blind ladder tape. E. Janowski. 2,620,850, Dec. 9.

Apparatus for the material feed in machine tools. J. Rosenberg. 2,602,212, July 8.

Apparatus for the measurement of high-frequency power. J. C. Frommer. 2,585,001, Feb. 12.

Apparatus for the measurement of magnetic fields. A. W. Brewer and C. A. Jarman. 2,606,229, Aug. 5.

Apparatus for the multiple coiling of slit metal strips. N. J. Ranney. 2,594,800, Apr. 29.

Apparatus for the preheating of pattern plates. R. A. Ronceray. 2,592,340, Apr. 8.

Apparatus for the preliminary rearing of livestock. H. L., and A. N. Forbes. 2,604,874, July 29.

Apparatus for the preparation of steeped beverages. L. M. Pouget. 2,610,571, Sept. 16.

Apparatus for the production and distribution of smoke, fog, vapor clouds. C. A. Bonvillian, R. C. Brierly, and S. Letvin. 2,581,333, Jan. 8.

Apparatus for the production of fibers, in particular glass fibers. I. Peyches. 2,582,561, Jan. 15.

Apparatus for the production of prints. H. A. Olsson. 2,587,883, Mar. 4.

Apparatus for the projection of pictures in black and white or in color. F. D. Leslie, R. D. Whitmore and H. E. Bragg. 2,606,477, Aug. 12.

Apparatus for the rapid vaporization of water by means of a solid combustible. R. Esnault-Pelterie. Re. 23,494, May 20.

Apparatus for the recovery of chemicals and heat from residual liquor. L. S. Willcoxson. 2,619,411, Nov. 25.

Apparatus for the separation of gases by fractional permeation through membranes. W. A. Steiner and S. W. Weller. 2,597,907, May 27.

Apparatus for the separation of particles. D. Tedman. 2,620,925, Dec. 9.

Apparatus for the separation of solid substances differing in specific gravity. J. N. J. Leeman. 2,619,229, Nov. 25.

Apparatus for the solution of linear simultaneous equations. J. Zauderer and B. J. Aleck. 2,595,185, Apr. 29.

Apparatus for the specific gravity classification of bulk substances. W. Vogel. 2,612,269, Sept. 30.

Apparatus for the supply of high-voltage unidirectional currents from a relatively low-voltage alternating current source. A. H. B. Walker and L. H. Peter. 2,619,602, Nov. 25.

Apparatus for the suspension storage of sheets and transfer apparatus. G. H. Page. 2,623,526, Dec. 30.

Apparatus for the treatment of croup and the like. S. Y. Gibbon. 2,593,134, Apr. 15.

Apparatus for the treatment of external surfaces of cans. A. M. Olson. 2,597,946, May 27.

Apparatus for the treatment of filamentary materials. W. J. Elvin and L. A. Warren. 2,586,800, Feb. 26.

Apparatus for the treatment of filamentary materials, particularly with liquids. W. H. Guy. 2,593,555, Apr. 22.

Apparatus for the treatment of grains. E. G. Huzenlaub and F. H. Rogers. 2,598,915, June 3.

Apparatus for the treatment of hides, skins, and the like. E. G. Wilson. 2,599,303, June 3.

Apparatus for the upkeep of railway tracks. M. H. Lemaire. 2,596,707, May 13.

Apparatus for thinning plants and killing extraneous vegetation. A. F. Aggen. 2,587,950, Mar. 4.

Apparatus for tilting a pile of material. K. Egge. 2,596,386, May 13.

Apparatus for timing hairsprings. F. Dostal. 2,584,562, Feb. 5.

Apparatus for tipping-off sealed envelopes. D. R. Bocast. 2,604,732, July 29.

Apparatus for transfer of heat in gaseous media. N. S. Japolsky. 2,602,306, July 8.

Apparatus for transferring an emulsion layer from a perforated film strip. J. G. Capstaff. 2,611,686, Sept. 23.

Apparatus for transferring liquid from one container to another. L. K. Pitman. 2,584,397, Feb. 5.

Apparatus for transmission of music from a central studio to a plurality of subscribers. J. L. Burnett and B. Smith. 2,595,510, May 6.

Apparatus for transmitting hot pans of bread from ovens. N. J. Nicoletti. 2,609,944, Sept. 9.

Apparatus for transporting and handling finely ground materials. A. R. Kane. 2,613,004, Oct. 7.

Apparatus for transporting and installing portable tanks. F. M. Young. 2,606,673, Aug. 12.

Apparatus for transporting beams. F. B. Noerr. 2,588,278, Mar. 4.

Apparatus for treating box blanks. L. Perilli. 2,602,416, July 8.

Apparatus for treating bulk material. L. S. Petersen. 2,587,379, Feb. 26.

Apparatus for treating carbonaceous solids. H. Z. Martin. 2,607,666, Aug. 19.

Apparatus for treating cottonseed and the like for planting purposes. L. H. Jackson. 2,603,552, July 15.

Apparatus for treating emulsion emanating from natural oil wells. E. R. Williams. 2,620,043, Dec. 2.

Apparatus for treating fabrics. G. C. Ward. 2,604,772, July 29.

Apparatus for treating fabrics and uncurling the edges thereof. R. D. Heffelfinger. 2,613,522, Oct. 14.

Apparatus for treating fabrics in continuous lengths with liquids. T. H. Hilliard. 2,591,815, Apr. 8.

Apparatus for treating glassware. C. E. Mongan, Jr. 2,613,480, Oct. 14.

Apparatus for treating hydrocarbon oils. R. P. Trainer and L. E. Border. 2,618,535, Nov. 18.

Apparatus for treating liquid dairy products. F. G. Cornell, Jr. 2,594,399, Apr. 29.

Apparatus for treating liquid sewage and the like. S. E. Kappe. 2,597,802, May 20.

Apparatus for treating materials by ultraviolet radiation. V. M. Downey. 2,586,625, Feb. 19.

Apparatus for treating materials in suspension in elastic fluid. N. N. Stephanoff. 2,590,220, Mar. 25.

Apparatus for treating meat and the like. F. J. Avery. 2,587,024, Feb. 26.

Apparatus for treating metal parts with liquid. N. Ransohoff. 2,618,283, Nov. 18.

Apparatus for treating molasses. S. T. Hoyt. 2,619,230, Nov. 25.

Apparatus for treating noxious gases. J. Finn. 2,602,730, July 8.

Apparatus for treating pasty materials, particularly chocolate pastes. A. Simon. 2,622,856, Dec. 23.

Apparatus for treating plastic materials. D. C. Chase and J. M. Joyner. 2,593,265, Apr. 15.

Apparatus for treating sewage. P. F. Morgan, J. A. Tapleshay, and P. M. Thayer. 2,616,565, Nov. 4.

Apparatus for treating shoe soles. E. F. Small. 2,582,464, Jan. 15.

Apparatus for treating soil. F. W. Opp. 2,596,504, May 13.

Apparatus for treating sound tracks of color film. A. J. Miller. 2,600,565, June 17.

Apparatus for treating textile fabrics. C. G. Hatay. 2,581,018, Jan. 1.

Apparatus for treating textile materials. A. O. Hurxthal. 2,597,490, May 20.

Apparatus for treating vehicle bodies. G. Williams and A. P. Fowler. 2,598,201, May 27.

Apparatus for treating water. E. Pick. 2,596,822, May 13.

Apparatus for treating water. E. Pick. 2,596,915, May 13.

Apparatus for treating web material. E. P. Mullen. 2,620,544, Dec. 9.

Apparatus for treating wood pulp and the like. J. T. Coghill. 2,622,490, Dec. 23.

Apparatus for treating yarn. E. D. Bolinger and R. G. Berner. 2,611,172, Sept. 23.

Apparatus for treating yarns. O. L. Williamson. 2,592,632, Apr. 15.

Apparatus for treatment of gas. C. B. Schneible and A. S. Lundy. 2,589,149, Mar. 11.

Apparatus for treatment of liquids in containers. J. O. Fowler. 2,607,284, Aug. 19.

Apparatus for treatment of tubular knitted fabrics. F. R. Redman. 2,597,528, May 20.

Apparatus for tumbling rubber articles. W. J. Strong. 2,600,282, June 10.

Apparatus for turning sheets down successively from a tilted pile thereof. K. Egge. 2,596,385, May 13.

Apparatus for ultrasonic treatment of liquids. B. D. Fitzgerald. 2,585,103, Feb. 12.

Apparatus for unloading equipment. J. N. Gregory. 2,614,710, Oct. 21.

Apparatus for unpiling pottery ware. J. C. Bonglovanni. 2,620,076, Dec. 2.

Apparatus for upsetting a headed tubular rivet while altering the shape of the rivet head. R. S. Colley. 2,583,727, Jan. 29.

Apparatus for upsetting the ends of packages of yarn. A. H. Lloyd. 2,618,015, Nov. 18.

Apparatus for use in cement lasting footwear. J. S. Kamborian. 2,614,527, Oct. 21.

Apparatus for use in converting hydrocarbons. E. W. Shand. 2,608,475, Aug. 26.

Apparatus for use in cooking food. B. Ames. 2,601,850, July 1.

Apparatus for use in determining the characteristics of coated metal sheets. G. W. Stockton. 2,622,132, Dec. 16.

Apparatus for use in making lantern slides. E. H. Bickley. 2,614,950, Oct. 21.

Apparatus for use in scribing wiper blanks. E. L. Butler and O. M. Holmes. 2,597,972, May 27.

Apparatus for use in shaft sinking. W. L. Cryderman. 2,606,679, Aug. 12.

Apparatus for use in the attachment of heels to shoes. J. F. Leahy and J. W. Ashley. 2,600,507, June 17.

Apparatus for use in the preparation of dental prosthetic devices. D. S. McPhee. 2,621,406, Dec. 16.

Apparatus for use in the treatment of oil, gas, and gas condensate wells. C. K. Eilerts. Re. 23,583, Nov. 18.

Apparatus for use in the treatment of oil, gas, and gas-condensate wells. C. K. Eilerts. 2,588,369, Mar. 11.

Apparatus for use in transmitting angular movement. J. R. Oliver. 2,618,696, Nov. 18.

Apparatus for use with follow-up mailing systems. L. D. Johansen. 2,602,450, July 8.

Apparatus for use with tractors and cultivators. G. L. Miller. 2,580,813, Jan. 1.

Apparatus for using one cylinder of an internal-combustion engine interchangeably as a pump and a power cylinder. R. H. Miller. 2,595,281, May 6.

Apparatus for utilizing cumulative ionization. E. G. Linder. 2,602,908, July 8.

Apparatus for utilizing the Hall effect. H. J. McCreary. 2,616,074, Oct. 28.

Apparatus for vacuum filling containers. H. A. Rohdin. 2,608,335, Aug. 26.

Apparatus for vacuum sealing of containers. P. Schoemann. 2,591,015, Apr. 1.

Apparatus for vacuumizing, gassing, and closing containers. R. M. Mero. 2,583,866, Jan. 29.

Apparatus for vaporizing hydrocarbons. J. J. Malir, Jr. 2,618,935, Nov. 25.

Apparatus for varying the characteristics of aerosols. L. Bonameau. 2,620,046, Dec. 2.

Apparatus for velocity measurement of a moving fluid. O. Falk. 2,614,425, Oct. 21.

Apparatus for venting the interior of rotary driers and mixers. P. T. Ford. 2,603,005, July 15.

Apparatus for viewing the undercarriage of a vehicle. H. V. Pfetzing. 2,580,699, Jan. 1.

Apparatus for violet ray treatment. C. G. Filzer. 2,590,601, Mar. 25.

Apparatus for vulcanizing a repair area of a pneumatic tire. L. F. Borda and S. W. Bile. 2,609,477, Sept. 2.

Apparatus for vulcanizing annular articles. E. A. Davis and R. R. Ambler. 2,587,119, Feb. 26.

Apparatus for vulcanizing endless belts. R. R. Ambler. 2,598,655, May 27.

Apparatus for vulcanizing frothed latex rubber. W. C. Grannis. 2,611,926, Sept. 30.

Apparatus for washing and conditioning air. A. J. Schjonke. 2,599,702, June 3.

Apparatus for washing discrete units of solid materials. B. C. Skinner. 2,612,178, Sept. 30.

Apparatus for washing glass sheets. E. L. Walters. 2,619,098, Nov. 25.

Apparatus for washing, rinsing, and sterilizing racks and the like. G. G. Young. 2,619,099, Nov. 25.

Apparatus for washing spongy material. J. T. Marvin and G. H. McFadden. 2,609,826, Sept. 9.

Apparatus for water ice refrigeration. R. D. Pike. 2,590,269, Mar. 25.

Apparatus for water treatment. G. S. Ralston. 2,589,136, Mar. 11.

Apparatus for waving hair. J. A. Swenson, W. E. Burns, and R. H. Stead. 2,584,760, Feb. 5.

Apparatus for waving hair. R. E. Melaro. 2,608,194, Aug. 26.

Apparatus for weighing and bagging materials. P. L. Snyder and C. Miller. 2,603,442, July 15.

Apparatus for welding double tabs to cathode sleeves. L. C. Morrell. 2,618,839, Nov. 25.

Apparatus for welding seams in cylindrical vessels. R. E. Hanson. 2,591,809, Apr. 8.

Apparatus for winding and producing coils. E. L. Holmgren. 2,584,208, Feb. 5.

Apparatus for winding filaments. J. C. Nuttle. 2,623,701, Dec. 30.

Apparatus for winding rolls. J. B. Kohler. 2,586,832, Feb. 26.

Apparatus for winding sheet material about cylindrical bodies. W. D. Kmentt. 2,613,043, Oct. 7.

Apparatus for winding strands on articles. E. A. Heckman and J. J. Kling. 2,590,246, Mar. 25.

Apparatus for winding-up alternate rolls of lengths of welded wire fabric. W. S. Southwick. 2,587,400, Feb. 26.

Apparatus for withdrawing oil from the crankcase of internal-combustion engines. M. A. Tabet. 2,603,312, July 15.

Apparatus for working pastes. P. Dryon. 2,610,042, Sept. 9.

Apparatus for working plastic material. G. W. Walrafen. 2,592,985, Apr. 15.

Apparatus for wrapping articles. J. S. Stokes. 2,597,041, May 20.

Apparatus for wrapping potted plants. H. S. Williams. 2,590,742, Mar. 25.

Apparatus in the production of aluminum and other powder with leaf structure or needle form. K. G. Winquist. 2,583,456, Jan. 22.

Apparatus including a titanate condenser for amplifying an electrical signal. G. Hepp. 2,611,039, Sept. 16.

Apparatus of the gyroplane type. L. Breguet. 2,587,104, Feb. 26.

Apparatus operating the flying controls of aircraft. R. Westbury. 2,597,420, May 20.

Apparatus particularly adapted for charging orientated articles of relatively greater length than width. I. F. Stewart. 2,619,869, Dec. 2.

Apparatus responsive to variations in liquid level. J. S. Blakeney. 2,621,808, Dec. 16.

Apparatus to lubricate rolling elements of chain conveyers or rolling stock. C. C. S. Le Clair. 2,594,041, Apr. 22.

Apparatus to record images of moving subjects. M. J. Weisfeldt. 2,587,018, Feb. 26.

Apparel pad. J. A. Talalay. 2,616,093, Nov. 4.

Apparel support. J. F. Hart. 2,617,571, Nov. 11.

Appliance for automatic lathes. A. Bechler. 2,604,691, July 29.

Appliance for cutting paper, cardboard, cloth, leather, and the like. M. Jauch. 2,623,282, Dec. 30.

Appliance for delivering plastic substances under high pressure. F. Banz. 2,616,130, Nov. 4.

Appliance for preventing frizzing and kinking of hair during permanent waving operation. H. M. Buchanan. 2,603,225, July 15.

Appliance for the upright filing of index cards. B. Lampel. 2,605,769, Aug. 5.

Appliance for use in making frankfurter and hamburger sandwiches. D. M. Hopkins. 2,601,822, July 1.

Appliance for use in welding. E. P. Pierce. 2,619,928, Dec. 2.

Appliance handle joint. F. Breckenridge. 2,580,725, Jan. 1.

Application of alternating shear at sonic frequencies to the treatment of material. G. C. Seavey and C. B. Horsley. 2,584,053, Jan. 29.

Application of dispersed coating materials to cellulosic fibers. J. H. Daniel, Jr., L. H. Wilson, R. Hastings, and C. G. Landes. 2,601,597, June 24.

Application of dispersed materials to cellulosic fibers. J. H. Daniel, Jr., L. H. Wilson, R. Hastings, and C. G. Landes. 2,601,598, June 24.

Application of leuco esters of vat dyestuffs on animal fibers using urea and an acid. H. Luttringhaus, J. E. Flint, and A. A. Arcus. 2,618,529, Nov. 18.

Application of spray metal linings for aluminum engine cylinders of or for reciprocating engines. A. P. Shepard. 2,588,422, Mar. 11.

Application of sprayed metal coatings to solid objects. A. P. Shepard. 2,588,421, Mar. 11.

Applicator for dye and the like. F. E. Beebe. 2,594,721, Apr. 29.

Applicator for dyes and lotions. H. Pearson. 2,618,275, Nov. 18.

Applicator for ligatures. M. W. Thaete. 2,619,964, Dec. 2.

Applicator for liquid wax. J. N. Mallard. 2,601,689, July 1.

Applicator for shoe polishing machines, Wax paste. P. D. Douglass. 2,607,943, Aug. 26.

Applicator for treating skin ailments. R. O. Jones. 2,601,851, July 1.

Applicator for wax and waxlike substances. M. J. Cohen. 2,615,447, Oct. 28.

Applying a bottom margin indicating mark to a paper sheet in a typewriting machine. M. McKellar. 2,595,801, May 6.

Applying a discontinuous coating to fabric. A. S. Jones and G. B. Stackpole. 2,598,264, May 27.

Applying a discontinuous coating to paper. P. A. Snowman, Jr. 2,589,302, Mar. 18.

Applying a seal to a radial groove. H. R. Reynolds and C. G. Bidwell. 2,586,087, Feb. 19.

Applying a vitreous coating composition to a glass base and article resulting therefrom. R. L. Green. 2,588,920, Mar. 11.

Applying an atomized hydrocarbon mixture to contact material during passage thereof through a reaction zone. H. G. Shimp. 2,593,495, Apr. 22.

Applying an ornamental and protective crackle coating to a base. N. A. Thacker and D. S. Threlkeld. 2,612,456, Sept. 30.

Applying and removing extension device for temporary rivets. F. L. Graham. 2,601,117, June 17.

Applying braking force to hoisting drums. R. R. Crookston. 2,619,201, Nov. 25.

Applying closures to containers and closure blanks therefor. J. W. Thomas. 2,623,674, Dec. 30.

Applying contrasting marks on surfaces, particularly those of plastics. H. J. A. de Goeij and P. Stals. 2,602,025, July 1.

Applying edge veneers to the edge of panels. F. M. Curran, H. C. Geen, and J. D. Quist. Re. 23,572, Nov. 11.

Applying electroconductive films. W. O. Lytle. 2,614,944, Oct. 21.

Applying fluid to fabrics. G. E. Miller. 2,616,761, Nov. 4.

Applying hair wave neutralizer fluid to the hair, Means for. E. D. Papajohn. 2,621,972, Dec. 16.

Applying heat in hot machining processes, Method and apparatus for. R. I. N. Weingart. 2,600,034, June 10.

Applying lace and like ornamental edging to boxes. M. E. Fuller. 2,600,105, June 10.

Applying moistureproof coating to regenerated cellulose. N. Drisch and P. Herrbach. 2,597,625, May 20.

Applying oblique spray, Method and apparatus for. L. P. Dosmann. 2,595,342, May 6.

Applying plasterlike material to structures. E. Mollo. 2,602,759, July 8.

Applying slide fasteners. E. A. Yaffe. 2,623,214, Dec. 30.

Applying thermoplastic closures to bottles and other containers. E. T. Webb. 2,597,830, May 20.

Applying wall finishes. A. Iezzi. 2,618,815, Nov. 25.

Approach control in coded track circuit signaling systems. J. Y. Howard. 2,588,005, Mar. 4.

Approach light. J. M. Roper. 2,603,699, July 15.

Approach system for landing aircraft. J. B. Bartow. 2,582,742, Jan. 15.

Apron, Colostomy. V. G. Velcher. 2,584,249, Feb. 5.

Apron construction for fork lift trucks. T. N. Melin. 2,621,821, Dec. 16.

Apron construction for lift trucks. T. N. Melin. 2,621,822, Dec. 16.

Apron control for earth moving apparatus of the carry type. P. G. Brower. 2,581,073, Jan. 1.

Apron, Doll carrying. L. F. Swain. 2,593,218, Apr. 15.

Apron, Photographer's. S. Zaleski. 2,607,040, Aug. 19.

Apron, Reversible. R. U. Millsap. 2,620,474, Dec. 9.

Apron, Scalp. R. M. Marriott. 2,600,557, June 17.

Apron, Towel. K. E. and H. M. Legg. 2,620,475, Dec. 9.

Apron-type package and article carrier. A. O. Sexton. 2,616,598, Nov. 4.

Apron with multiple compartment pocket. K. Westgarth. 2,617,103, Nov. 11.

Aquarium drainage device. G. W. Ludwick. 2,595,965, May 6.

Aquarium, Ornamental. F. Y. Kuriyama. 2,595,085, Apr. 29.

Aqueous dispersions containing a water-soluble sulfonated polystyrene. M. Baer and R. G. Fordyce. 2,612,485, Sept. 30.

Aqueous dispersions of rubberlike plastics, Producing. G. F. Leyonmark and E. Arundale. 2,595,797, May 6.

Aqueous dispersions of water-insoluble organic polymers containing colloidal silica. R. K. Iler. 2,597,872, May 27.

Aqueous drilling mud compositions. R. A. Salathiel. 2,623,851, Dec. 30.

Aqueous electrolyte for primary galvanic cell. E. A. Schumacher and P. S. Brooks. 2,597,117, May 20.

Aqueous emulsion polymerization of vinyl acetate in the presence of methanol. W. Eggleston. 2,581,844, Jan. 8.

Aqueous formaldehyde distillation. C. Pyle and J. A. Lane. 2,581,881, Jan. 8.

Aqueous solutions containing manganese in a complex ion and making the same and making manganese compounds therefrom. R. S. Dean. 2,608,463, Aug. 26.

Aqueous solutions containing soapless detergents. F. J. Pollok. 2,583,492, Jan. 22.

Aqueous solutions of ammonium nitrite, Producing. K. Kahr. 2,06,813, Aug. 12.

Aqueous solution of riboflavin. C. M. Suter. 2,601,569, June 24.

Aqueous well-drilling fluids. G. W. Cummer and D. H. Larsen. 2,604,447, July 22.

Aracylhydrazo substituted nitriles. E. G. Howard, Jr. 2,580,919, Jan. 1.

Arbor. A. Buescher. 2,588,354, Mar. 11.

Arbor. E. A. Crosby. 2,582,010, Jan. 8.

Arc chute defining two alternate arc paths. H. V. Nye. 2,606,982, Aug. 12.

Arc chute utilizing staggered U-shaped conductive members. C. R. Peter. 2,596,865, May 13.

Arc chute with trap for products of arcing. D. E. Weston. 2,623,139, Dec. 23.

Arc extinguishing device. J. W. Kalb. 2,608,599, Aug. 26.

Arc extinguishing system. A. C. van Dorsten. 2,619,524, Nov. 25.

Arc lamp. H. R. Benson. 2,616,059, Oct. 28.

Arc lamp. A. J. Hatch. 2,622,224, Dec. 16.

Arc preventing switch. A. P. Gauvreau. 2,622,172, Dec. 16.

Arc process for the production of fume. C. Sheer and S. Korman. 2,616,842, Nov. 4.

Arc process for the reduction of metals. C. Sheer and S. Korman. 2,616,848, Nov. 4.

Arc process for the selective recovery of metals. C. Sheer, and S. Korman. 2,617,761, Nov. 11.

Arc regulator apparatus. W. D. Buckingham. 2,622,223, Dec. 16.

Arc runner with trap for products of arcing. P. L. Taylor. 2,623,140, Dec. 23.

Arc starting device, Automatic. E. M. Marwell and R. L. Kenngott. 2,607,024, Aug. 12.

Arc starting method and composition. H. S. Payne. 2,596,165, May 13.

Arc starting system. A. U. Welch, Jr. 2,597,689, May 20.

Arc tight cable connector. J. H. Simpson and E. B. Cloninger. 2,616,942, Nov. 4.

Arc welding. E. F. Potter. 2,599,281, June 3.

Arc welding apparatus. C. Volff. 2,620,422, Dec. 2.

Arc welding electrode. C. J. Gallagher. 2,594,905, Apr. 29.

Arc welding electrode holder. J. F. Dove. 2,606,988, Aug. 12.

Arc welding mechanism. O. R. Smith. 2,598,076, May 27.

Arc welding rod and producing same. A. A. Bernard. 2,612,583, Sept. 30.

Arch support. J. A. Amico. 2,613,455, Oct. 14.

Arch support. A. M. Kaufmann, Jr. 2,581,864, Jan. 8.

Arch support and making same. W. M. Scholl. 2,581,605, Jan. 8.

Arch support and metatarsal pad. J. A. Amico. 2,613,456, Oct. 14.

Archery bow, Glass fiber-reinforced. F. B. Bear. 2,613,660, Oct. 14.

Archery bow. W. D. Howard. 2,608,188, Aug. 26.

Archery range with movable target. W. R. Keller. 2,586,958, Feb. 26.

Area identification system. W. J. O'Brien. 2,598,290, May 27.

Area jet nozzle, Variable. R. E. Weiler and J. S. Hardigg. 2,603,062, July 15.

Arithmetic fraction trainer. K. V. Davis. 2,611,193, Sept. 23.

Arm and tension link hoist for dump bodies. J. M. Gwinn, Jr. 2,611,642, Sept. 23.

Armchair, Upholstered rocking. H. B. Lansaw. 2,612,936, Oct. 7.

Arm for holding a stylus for use with sound records. R. J. Rockwell. 2,587,529, Feb. 26.

Armrest. D. L. Sprung. 2,592,702, Apr. 15.

Armrest, Adjustable. J. Okun. 2,584,732, Feb. 5.

Armrest attachment for motor vehicles. K. Conning. 2,602,488, July 8.

Armrest attachment for surgical tables. J. E. Krewson. 2,605,152, July 29.

Armrest, Automobile window. C. B. Esch. 2,586,631, Feb. 19.

Armrest for desks, Swingable. L. L. Lietz. 2,605,153, July 29.

Armrest for vehicle seats. A. J. Buck. 2,619,155, Nov. 25.

Armrest for vehicles. P. M. Prosser. 2,598,299, May 27.

Armrest, Portable. A. S. Fawcett. 2,587,302, Feb. 26.

Arm sling. G. J. Karfiol. 2,616,419, Nov. 4.

Arm sling. I. Sanders. 2,594,809, Apr. 29.

Arm sling. H. E. Stanton. 2,598,853, June 3.

Arm support means, Adjustable. M. Weinberg. 2,584,310, Feb. 5.

Armature coil lead arrangement for reducing coronas. J. L. Kuehlthau. 2,593,900, Apr. 22.

Armature lead connection. R. H. Riley, Jr., and A. G. Decker, Jr. 2,581,445, Jan. 8.

Armature mounting for plural electromagnetic relays. G. T. Baker. 2,611,012, Sept. 16.

Armature soldering furnace. H. A. Anderson. 2,619,063, Nov. 25.

Armature winder. G. A. Dreese. 2,610,804, Sept. 16.

Armature winding machine. R. L. Probst. 2,622,715, Dec. 23.

Armature winding machine. C. P. Starfield. 2,599,875, June 10.

Arming cover for fuses. J. Rabinow. 2,586,861, Feb. 26.

Armor shield for projectile type fastenings. R. K. Baisch. 2,594,275, Apr. 29.

Armored rail bond. H. H. Febrey. 2,609,147, Sept. 2.

Aromatic amines, Production of. J. C. Munday. 2,620,356, Dec. 2.

Aromatic B ring steroids. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,606,913, Aug. 12.

Aromatic carboxylic acid amides, Preparation of. M. A. Naylor, Jr. 2,610,980, Sept. 16.

Aromatic chlorethylamines and their salts. W. S. Gump and E. J. Nikawitz. 2,601,275, June 24.

Aromatic color couplers containing mercaptan and hydroxyl groups. R. V. Young and A. Weissberger. 2,596,755, May 13.

Aromatic diazonium fluoborate, Preparation of. J. D. Head and F. J. Lowes. 2,606,183, Aug. 5.

Aromatic ether-ester of diglycolic acid. J. D. Brandner. 2,589,666, Mar. 18.

Aromatic hydrocarbons, Production of. S. P. Robinson. 2,608,594, Aug. 26.

Aromatic hydroxy sulfides. H. E. Albert. 2,581,919, Jan. 8.

Aromatic linear polyesters, Preparation of. P. J. Flory and F. S. Leutner. 2,594,144, Apr. 22.

Aromatic mercaptans, Preparing. G. H. Daniels and J. J. Verbanc. 2,605,289, July 29.

Aromatic mercury halides, Preparation of. O. Daněk and J. Nosek. 2,593,114, Apr. 15.

Aromatic nitriles, Manufacture of. R. Engelhardt and H. Arledter. 2,591,415, Apr. 1.

Aromatic nitriles, Preparation of. V. P. Wystrach. 2,584,409, Feb. 5.
Aromatic sulfonic acid esters containing an amino group. W. Widmer and A. Fasciati. 2,615,913, Oct. 28.
Aromatizing hydrocarbons with metal fluoride catalyst in presence of oxygen and hydrogen fluoride. F. R. Hurley. 2,598,642, May 27.
Arrangement at surge diverters for increasing the discharging ability. S. A. Vorts and E. B. Nilsson. 2,608,600, Aug. 26.
Arrangement for adapting the speed of take-up to the speed of feed in producing thread or tape material with originally low mechanical strength. T. A. Ljungberg. 2,582,639, Jan. 15.
Arrangement for and method of transferring heat and cold from and to machine parts. K. Haase and W. Ostwald. 2,608,963, Sept. 2.
Arrangement for atomizing liquids. P. R. Laguilharre. 2,592,297, Apr. 8.
Arrangement for automatically changing phonograph records. P. A. De Boer. 2,620,194, Dec. 2.
Arrangement for charging of electric accumulator batteries. U. Lamm and A. Arvidsson. 2,621,316, Dec. 9.
Arrangement for charging storage batteries. L. Schon and T. Hower. 2,607,027, Aug. 12.
Arrangement for checking the temperature of the anode of X-ray tubes. J. Masslot. 2,608,662, Aug. 26.
Arrangement for collecting and utilizing natural gas leakage from a centrifugal compressor employed on a pipe line. W. F. Jones. 2,588,122, Mar. 4.
Arrangement for comparing voltages. A. Snijders. 2,620,400, Dec. 2.
Arrangement for controlling special indications of distant signals. P. F. Holden. 2,588,836, Mar. 11.
Arrangement for converting frequency-modulated waves. H. Chireix. 2,620,468, Dec. 2.
Arrangement for cooling of porous fiber boards. B. G. V. Ingve. 2,618,807, Nov. 25.
Arrangement for desensitizing high-frequency electrical-wave apparatus. H. A. Wheeler. 2,591,484, Apr. 1.
Arrangement for driving auxiliary parts or apparatus on board aircraft. G. Garnier. 2,622,453, Dec. 23.
Arrangement for holding removable dental prothesis apparatus in the mouth. A. Fiorentini. 2,593,287, Apr. 15.
Arrangement for igniting two or more gas- or vapor-filled main discharge tubes. K. D. Fortuyn. 2,617,081, Nov. 4.
Arrangement for indicating the level of oil in the crank cases of motor cars and the like vehicle engines. H. Laury. 2,623,143, Dec. 23.
Arrangement for locking and unlocking a pulling member in different positions. G. K. J. Broberg. 2,581,235, Jan. 1.
Arrangement for maintaining a closure in any of a plurality of open positions. R. W. Wolf. 2,587,947, Mar. 4.
Arrangement for measuring or indicating the flow of fluids. H. Kronberger. 2,586,060, Feb. 19.
Arrangement for modernizing buildings. R. W. Wood. 2,621,765, Dec. 16.
Arrangement for mounting heat transfer conduits. A. G. Janos. 2,612,351, Sept. 30.
Arrangement for portioning out paste and similar materials. M. K. Gadelius. 2,623,659, Dec. 30.
Arrangement for producing a spun short-fiber yarn. R. Wildbolz. 2,611,931, Sept. 30.
Arrangement for receiving telegraph impulses. F. P. Mason. 2,581,426, Jan. 8.
Arrangement for setting a clock system with master clock. P. Vannini. 2,595,431, May 6.
Arrangement for supporting a string of elongated tubular lamps on a supporting cable. K. F. Smith. 2,606,278, Aug. 5.
Arrangement for suppressing impulsive interference in the reception of amplitude modulated signals. D. Weighton. 2,611,823, Sept. 23.
Arrangement for the automatic feed of rodlike or tubular workpieces in machine tools, more especially centreless grinders. G. E. Lindhe. 2,608,037, Aug. 26.
Arrangement for the take-off of aerodynes by means of starting carriages. J. J. J. Gerin. 2,604,179, July 22.
Arrangement for treating metal parts. E. Bührer. 2,619,781, Dec. 2.
Arrangement for varying wave lengths in coaxial lines. M. G. White. 2,604,594, July 22.
Arrangement for ventilating of railway carriages, buses and similar vehicles. S. O. Rygård. 2,595,370, May 6.
Arrangement in automatic record changers. J. C. Stannow. 2,589,515, Mar. 18.
Arrangement of air heaters, feed water heaters, and superheaters in steam generators. J. V. Pyle. 2,608,185, Aug. 26.
Arrangement of static current converters. E. Uhlmann. 2,621,319, Dec. 9.
Arranging device for flat articles. W. P. Fletcher. 2,596,228, May 13.
Arranging the parts of a liquid dispensing system for determining the amount of liquid withdrawn therefrom. Method of and apparatus for. J. F. Ketterer. 2,599,560, June 10.
Arrester trap float valve. R. M. Manning. 2,614,853, Oct. 21.
Arrow adapter for sling shots. A. W. Hutson. 2,613,659, Oct. 14.
Arrow guard. J. W. Harvey. 2,611,354, Sept. 23.
Arrowhead. J. C. Ramsey. 2,589,137, Mar. 11.
Arsenic activated zinc sulfide phosphor and making same. J. S. Prener. 2,600,293, June 10.
Arsenic modified polysulfide plastics. L. Akobjanoff. 2,587,805, Mar. 4.
Art and apparatus for pleating drapes. S. M. Holcomb. 2,595,790, May 6.
Artistic design using wicking wet with a metallic salt solution that forms a color on exposure to light, Production of. L. Jackson. 2,595,080, Apr. 29.
Artist's canvas pad. S. M. Silver. 2,605,172, July 29.
Artists' canvas panels, Making. S. M. Silver. 2,605,203, July 29.
Artist's color dispenser. L. Francis. 2,583,827, Jan. 29.
Article adapted for use as transport sled, as slip container to be dropped from air craft, and as stove respectively. O. M. Magnussen. 2,594,781, Apr. 29.
Article arranging apparatus. D. R. Holdren. 2,592,141, Apr. 8.
Article assembling apparatus. C. J. Hackbarth. 2,592,276, Apr. 8.
Article assembling machine. L. J. Schanke and W. W. Vawter. 2,603,375, July 15.
Article carrying case and washer. C. L. Carlson. 2,622,607, Dec. 23.
Article comprising cord bonded to rubber by a vinylpyridine adhesive. G. D. Mallory and T. R. Ten Broeck. 2,615,826, Oct. 28.
Article container and dispensing device. W. C. Van Clief, Jr. 2,615,774, Oct. 28.
Article conveyer and transfer mechanism. A. A. Kottmann. 2,615,553, Oct. 28.
Article conveying and stacking apparatus. J. M. Schmied. 2,604,972, July 29.
Article conveying and transferring mechanism. C. J. Malhiot. 2,603,339, July 15.
Article counting and filling. E. E. Lakso. 2,585,558, Feb. 12.
Article dispenser control unit. R. R. Fredrick. 2,601,205, June 17.
Article dispensing and conveying system. P. M. Farmer. 2,599,907, June 10.
Article dispensing and distributing system. P. M. Farmer. 2,599,906, June 10.
Article-dispensing package. J. M. Adams. 2,619,226, Nov. 25.
Article display device and price indicator unit, Combination. M. Caruso. 2,581,468, Jan. 8.
Article distributing machine. C. Page. 2,586,988, Feb. 26.
Article distributor for conveyers. S. T. Carter. 2,615,555, Oct. 28.
Article diverter. H. C. Noe. 2,594,338, Apr. 29.
Article ejector and stop means. E. F. Brill and O. W. Schroeder. 2,598,156, May 27.
Article feeding device. H. E. Balsiger and C. C. W. Williams. 2,609,914, Sept. 9.
Article feeding device for wrapping machines. F. H. Murphy. 2,599,932, June 10.
Article for decorating cakes. C. E. Seagren and P. W. Mowll. 2,610,588, Sept. 16.
Article for polishing. P. W. Porter. 2,611,689, Sept. 23.
Article for protecting clothing. F. G. Backman. 2,617,105, Nov. 11.
Article forming apparatus. R. T. Adams and J. A. Wagner. 2,613,427, Oct. 14.
Article ganging and sorting mechanism. L. L. Salfisberg. 2,601,920, July 1.
Article grasping and handling device. W. L. Casey, Jr. 2,613,100, Oct. 7.
Article gripping system for lift trucks. J. A. Frischmann. 2,596,895, May 13.
Article grouping mechanism. A. C. Davis. 2,609,911, Sept. 9.
Article handler. A. D. Smith. 2,586,874, Feb. 26.
Article handling apparatus. W. W. Prickett. 2,583,707, Jan. 29.
Article handling machine. G. J. Peterson and C. J. Smith. 2,609,108, Sept. 2.
Article handling system. M. W. Warren and J. Zimmer, Jr. 2,603,340, July 15.
Article holder. J. E. Dorsey. 2,585,231, Feb. 12.
Article holder for automobile visors. J. W. Baldwin. 2,598,029, May 27.
Article holding and spraying device, Small. J. J. Byrnes. 2,601,364, June 24.
Article holding apparatus. G. W. Soderman. 2,614,516, Oct. 21.
Article holding device. J. Janicke. 2,617,675, Nov. 11.
Article lowering and loading device. G. W. Sower and H. J. Meyfarth. 2,600,135, June 10.
Article marking mechanism. F. Huntar and G. O. Frey. 2,601,826, July 1.
Article of furniture. B. L. Cockrell. 2,593,271, Apr. 15.
Article of furniture. E. C. Lorentzen. 2,615,776, Oct. 28.
Article of furniture. J. B. Robins. 2,586,262, Feb. 19.
Article of furniture, Folding sectional. R. W. Thompson. 2,587,010, Feb. 26.
Article of furniture, Reclining. A. Lorenz. 2,612,937, Oct. 7.
Article of furniture, Reclining. A. Lorenz. 2,613,727, Oct. 14.

Article of furniture, Reclining. A. Lorenz. 2,617,470–2, Nov. 11.
Article of hosiery. J. K. Hinchman. 2,623,374, Dec. 30.
Article of luggage hardware. D. Levine. 2,613,771, Oct. 14.
Article of manufacture in the form of a picture and making same. G. P. Economakis. 2,592,258, Apr. 8.
Article operated switch. P. A. Nelson. 2,604,557, July 22.
Article-orienting mechanism for labeling machines. C. E. Kell. 2,614,681, Oct. 21.
Article pickup device. R. H. Facio, Sr. 2,612,400, Sept. 30.
Article rearranging and transfer apparatus. R. U. Rourke. 2,621,774, Dec. 16.
Article release mechanism for vending machines. F. N. James. 2,583,217, Jan. 22.
Article sorting conveyer unit. H. W. Ball and F. F. Stange. 2,615,566, Oct. 28.
Article sorting device. C. F. Anderson. 2,587,272, Feb. 26.
Article sorting device. H. W. Sawyer and O. Schellenberger. 2,611,484, Sept. 23.
Article straightening machine. G. A. Frank. 2,622,654, Dec. 23.
Article support and relatively adjustable gas burner. J. B. Meriam. 2,580,939, Jan. 1.
Article support and the like. G. C. Henry. 2,587,316, Feb. 26.
Article supporting bracket. R. E. Ross. 2,622,743, Dec. 23.
Article supporting device, Portable knockdown. W. C. Martino. 2,597,157, May 20.
Article timing and indexing mechanism. B. W. Merrill. 2,619,217, Nov. 25.
Article transfer arrangement. L. J. Owen. 2,585,674, Feb. 12.
Article transfer device for conveyers. H. Roselle, Jr. 2,586,865, Feb. 26.
Article transfer for proofer unloaders. H. Feige. 2,622,718, Dec. 23.
Article transfer mechanism. W. B. Wittemann. 2,590,592, Mar. 25.
Article tripped marking device. E. Klug. 2,603,150, July 15.
Article wrapping apparatus. C. S. Stephano. 2,581,309, Jan. 1.
Article wrapping machine. G. C. Monaco. 2,617,240, Nov. 11.
Articulated beam. M. Le Roy. 2,620,904, Dec. 9.
Articulated conveyer take-up. J. Merck. 2,613,800, Oct. 14.
Articulated railway vehicle. J. MacVeigh. 2,606,505, Aug. 12.
Articulated ramp structure for mine cars. J. Binaut. 2,614,755, Oct. 21.
Articulation of track links of endless tracks. H. Grandgirard. 2,610,094, Sept. 9.
Articulator. J. E. Scott. 2,608,761, Sept. 2.
Articulator for artificial dentures. G. E. Björklund. 2,603,869, July 22.
Articulator for making artificial dentures. A. P. Murray and O. E. Barthel. 2,613,440, Oct. 14.
Artificial arm for above-the-elbow amputees, Electrically operated. S. W. Alderson. 2,580,987, Jan. 1.
Artificial bait. C. A. Clark. 2,611,210, Sept. 23.
Artificial bait. N. S. Crumb. 2,604,718, July 29.
Artificial bait. E. L. Graycik. 2,613,471, Oct. 14.
Artificial bait. E. F. Henry. 2,604,717, July 29.
Artificial bait. H. L. McFarland. 2,587,189, Feb. 26.
Artificial bait. C. G. McRoberts. 2,588,400, Mar. 11.
Artificial bait. A. J. Snig. 2,593,199, Apr. 15.
Artificial bait. C. O. Shindler. 2,618,094, Nov. 18.
Artificial bait. J. D. Summitt, Sr. 2,619,762, Dec. 2.
Artificial bait for fish lures. C. A. Craig. 2,603,022, July 15.
Artificial casting lure. F. B. Jones. 2,593,461, Apr. 22.
Artificial ceramic teeth, Producing. K. Gatzka. 2,597,469, May 20.
Artificial Christmas tree. A. Dattilo. 2,586,791, Feb. 26.
Artificial Christmas tree. F. C. Shina. 2,587,003, Feb. 26.
Artificial crystals, Manufacture of. M. Tournier. 2,589,310, Mar. 18.
Artificial decoy fish. R. Bocchino. 2,596,201, May 13.
Artificial denture. R. J. Donavan. Re. 23,607, Dec. 30.
Artificial denture. R. J. Donavan. 2,598,769, June 3.
Artificial denture. N. Kapinn. 2,598,998, June 3.
Artificial denture and retainer therefor. J. E. Brennan. 2,599,044, June 3.
Artificial denture mounting. M. Darcissac. 2,605,546, Aug. 5.
Artificial eye. F. W. Jardon and R. W. Bennett. 2,603,791-2, July 22.
Artificial eye. C. J. Noelle. 2,580,583, Jan. 1.
Artificial eye and making same. F. W. Jardon. 2,593,150, Apr. 15.
Artificial eye for figure toys. R. E. Ellett. 2,601,107, June 17.
Artificial fibers or threads from viscose, Making. G. A. Richter, Jr. 2,594,496, Apr. 29.
Artificial filaments and similar products from cellulose xanthogenates, Production of. N. Drisch. 2,621,103, Dec. 9.
Artificial fish bait with weighted hook member. H. J. Landon. 2,589,007, Mar. 11.
Artificial fish lure. W. D. Kayes, Jr. 2,614,356, Oct. 21.
Artificial fish lure. H. J. Leidel. 2,621,439, Dec. 16.
Artificial fish lure. E. A. Maddux. 2,619,760, Dec. 2.
Artificial fish lure. C. F. Mellin. 2,619,764, Dec. 2.
Artificial flower and cluster and making same. D. and H. Glasgow. 2,614,036, Oct. 14.
Artificial fly body, Interlaced segmented. A. P. Ross. 2,586,719, Feb. 19.
Artificial foot with ankle-joint. G. Greissinger. 2,620,485, Dec. 9.
Artificial leather product from a butadiene-acrylonitrile copolymer, calcined clay, and polyvinyl chloride resins, and producing same. E. C. Schule. 2,605,247, July 29.
Artificial leg. E. Feine. 2,614,262, Oct. 21.
Artificial leg. F. Kleinekathöfer. 2,588,013, Mar. 4.
Artificial leg. S. Mayack. 2,590,782, Mar. 25.
Artificial leg, Hydraulically controlled. W. C. Oliver. 2,605,474, Aug. 5.
Artificial limb. J. Touson. 2,599,297, June 3.
Artificial limb. K. C. Vesper. 2,619,652, Dec. 2.
Artificial lure. C. E. Erickson. 2,595,191, Apr. 29.
Artificial lure. S. O. Smith. 2,588,055, Mar. 4.
Artificial resins and making them. A. Voss. Re. 23,514, June 24.
Artificial respiration apparatus. J. D. Akerman and V. G. Townsend. 2,588,192, Mar. 4.
Artificial snow, Producing. H. E. Britt. 2,594,725, Apr. 29.
Artificial teeth. V. P. Hendricks. 2,618,062, Nov. 18.
Artificial teeth. J. A. Saffir. 2,613,439, Oct. 14.
Artificial teeth. J. O. Semmelman and J. E. Watson. 2,611,958, Sept. 30.
Artificial teeth. W. J. Vidaver. 2,593,815, Apr. 22.
Artificial teeth and backing therefor. C. K. Peck. 2,602,226, July 8.
Artificial tooth. R. L. Folsom. 2,620,562, Dec. 9.
Artificial tooth. J. D. Schwartz. 2,585,857, Feb. 12.
Artificial tooth with retention means. J. D. Schwartz. 2,585,858, Feb. 12.
Articulated panels, Manufacture of. R. M. Bergstein. 2,587,685, Mar. 4.
Artillery gun barrel. P. H. Selin. 2,606,480, Aug. 12.
Artillery training device. G. C. A. Alric. 2,588,904, Mar. 11.
Arylhalosilanes, Production of. A. J. Barry. 2,611,775, Sept. 23.
Arylidene-bis-pyrazolones. A. Weissberger and P. W. Vittum. 2,618,641, Nov. 18.
Arylindanes, Production of. V. N. Ipatieff and H. Pines. 2,587,577, Mar. 4.
Aryl mercury salts of chloro substituted phenoxyacetic acids. P. A. Sartoretto. 2,586,387, Feb. 19.
Aryl mono-carboxylic acids, Preparation of. J. L. Darragh and R. J. Miller. 2,610,211, Sept. 9.
Aryloxyalkyl halides, Production of. W. K. T. Gleim. 2,598,049, May 27.
Aryl pyridyl carbinol ethers. C. H. Tilford and R. S. Shelton. 2,606,195, Aug. 5.
Arylsulfamyl benzoic acids. J. M. Sprague and C. S. Miller. 2,608,506, Aug. 26.
Asbestos-aluminum powder paint. F. A. Stolz and E. J. Vaught, Jr. 2,598,854, June 3.
Asbestos roofing felt and manufacture. G. W. Clarvoe. 2,593,010, Apr. 15.
Ascertaining combustion characteristics of premixtures. M. M. Cannon, Jr. 2,603,085, July 15.
Ascorbic acid addition compound of sulfathiazole. S. L. Ruskin. 2,606,903, Aug. 12.
Ascorbic acid solution. H. H. Fricke. 2,623,002, Dec. 23.
Ascot, scarf, or the like. M. M. Fraum. 2,620,478, Dec. 9.
Ash-conveying means. J. K. Dukas. 2,593,123, Apr. 15.
Ash disposal apparatus for stokers. C. Scholl. 2,602,577, July 8.
Ash handling apparatus. E. C. Addison. 2,617,690, Nov. 11.
Ash receiver. E. J. Sweetland. 2,605,772, Aug. 5.
Ash receiver and extinguisher for cigarettes. N. R. Horikawa. 2,596,773, May 13.
Ash receiver, Cigarette. G. P. Schmaling, Sr. 2,595,103, Apr. 29.
Ash receiver, Cigarette. L. Soule. 2,623,529, Dec. 30.
Ash receptacle. B. Goldman. 2,618,403, Nov. 18.
Ash receptacle. E. W. Thompson. 2,583,240, Jan. 22.
Ash removal device. J. Martin. 2,589,836, Mar. 18.
Ash removal device. J. Martin. 2,600,896, June 17.
Ash remover for stokers. C. E. Shaffer. 2,601,332, June 24.
Ash tray. E. M. Brunsvold. 2,589,989, Mar. 18.
Ash tray. L. V. de Fee. 2,582,109, Jan. 8.
Ash tray. P. S. Harper. 2,593,142, Apr. 15.
Ash tray. C. A. Jinks. 2,598,175, May 27.
Ash tray. T. A. Martin. 2,591,175, Apr. 1.
Ash tray. L. A. Revell. 2,580,837, Jan. 1.
Ash tray. W. G. Vasey. 2,582,611, Jan. 15.
Ash tray and receptacle. R. W. Nickerson. 2,583,389, Jan. 22.
Ash tray and support. A. Smereck. 2,617,428, Nov. 11.
Ash tray, Cigarette. F. V. Terry. 2,604,100, July 22.
Ash tray for vehicles, Vacuum-actuated. R. L. Gill and F. A. Nash. 2,616,557, Nov. 4.
Ash tray, Safety. C. H. Kemme. 2,604,891, July 29.

Asparagus picker. A. C. Sutton. 2,610,397, Sept. 16.
Asphalt coated aggregate, Preparing. J. C. Roediger. 2,609,305, Sept. 2.
Asphalt composition. F. M. Fowkes. 2,582,823, Jan. 15.
Asphalt composition. R. E. Karll. 2,605,193, July 29.
Asphalt cutback containing an aliphatic phosphoric acid ester. H. F. Hardman. 2,592,564, Apr. 15.
Asphalt emulsion for treatment of coal and preparing the same. C. R. Rosencranse. Re. 23,462, Feb. 12.
Asphaltic coating compositions for flooring, etc. A. G. Asaff. 2,596,323, May 13.
Aspirating two-way control valve. B. N. McDonald. 2,594,962, Apr. 29.
Assembler slide return. D. Diamond. 2,613,803, Oct. 14.
Assembling a plurality of flat articles. H. G. Walsh. 2,598,472, May 27.
Assembling aid for constructing frameworks. C. J. Dietrich. 2,588,810, Mar. 11.
Assembling and connecting nonlinear resistance elements. G. T. Baker. 2,598,097, May 27.
Assembly and delivery device for bulk loading containers. L. L. Jones. 2,623,628, Dec. 30.
Assembling and packing articles. C. D. Knowlton and F. R. Thresh. 2,608,038, Aug. 26.
Assembling crystals in watch bezels. O. A. Starke. 2,607,082, Aug. 19.
Assembling resilient bearings. P. C. Hutton. 2,608,751, Sept. 2.
Assembling Venetian blind headbars, Method and machine for. H. Nelson. 2,603,856, July 22.
Assembly device for resnatron filaments. W. H. Kohl. 2,599,394, June 3.
Assembly for bacteriological tests. J. J. Kleiner. 2,607,347, Aug. 19.
Associated equipment for nursing units. A. M. Allen. 2,581,340, Jan. 8.
Astronomical teaching and training apparatus. F. R. Beeson. 2,588,472, Mar. 11.
Asymmetric electrical conducting device. K. M. Olsen. 2,583,008–9, Jan. 22.
Asymmetrical cold cathode flip-flop circuit. C. R. Williams and G. E. Hagen. 2,593,375, Apr. 15.
Athletic ball making, Inflatable. C. J. Crowley. 2,623,747, Dec. 30.
Athodyd having air permeable converging intake section for boundary layer controls. R. Leduc. 2,589,945, Mar. 18.
Atmospheric control. J. F. Schrumn. 2,582,462, Jan. 15.
Atmospheric pressure regulator. W. R. Paulsen. 2,587,375, Feb. 26.
Atmospheric sounding apparatus. V. D. Hauck, W. L. W. Ogden and J. R. Cosby. 2,604,582, July 22.
Atomic air burst direction finder. G. A. Allard. 2,615,249, Oct. 28.
Atomic model machine. J. B. Underwood. 2,601,729, July 1.
Atomizer. J. Fletcher. 2,613,112, Oct. 7.
Atomizer. C. A. Fortin. 2,606,790, Aug. 12.
Atomizer. A. J. Loepsinger. 2,594,045, Apr. 22.
Atomizer. R. C. Seyforth. 2,609,234, Sept. 2.
Atomizer. R. Shatkin. 2,605,139, July 29.
Atomizer. A. G. Tucci. 2,607,626, Aug. 19.
Atomizer. L. E. Yettaw. 2,599,422, June 3.
Atomizer. J. Züblin. 2,621,971, Dec. 16.
Atomizer for damping the cylinders in offset printing machines, Water. M. Ras. 2,586,480, Feb. 19.
Atomizer, Hand-operated liquid. E. D. Rogers. 2,591,296, Apr. 1.
Atomizer, Liquid fuel. W. J. Linn. 2,589,946, Mar. 18.
Atomizer, Liquid fuel. W. J. Linn. 2,614,037, Oct. 14.
Atomizer, Manual. T. J. Holmes. 2,616,762, Nov. 4.
Atomizer, Nasal. H. S. Backus. 2,586,502, Feb. 19.
Atomizer, Perfume. A. Christen. 2,623,784, Dec. 30.
Atomizer, Pocket. B. Nachbar. 2,591,962, Apr. 8.
Atomizer, Pocket perfume. L. K. Kuhnl. 2,619,096, Nov. 25.
Atomizer, Spray. B. Baron. 2,617,686, Nov. 11.
Atomizer system. A. H. Bahnson, Jr. 2,583,986, Jan. 29.
Atomizing apparatus. C. Gustafson. 2,623,782–3, Dec. 30.
Atomizing apparatus. H. Petrano. 2,622,593, Dec. 23.
Atomizing device. J. Jehlicka. 2,621,966, Dec. 16.
Attaching a line guide to fishing rods. R. F. Dornaus. 2,619,714, Dec. 2.
Attaching a strain clamp to a composite aluminum-steel conductor end. S. C. Granborg and C. G. Neck. 2,620,350, Dec. 9.
Attaching clip for wall surfacing. M. Ketchum, Jr. 2,620,906, Dec. 9.
Attaching clip for wall surfacing. K. E. Knott. 2,591,361, Apr. 1.
Attaching connections to stranded cables. W. J. Streader. 2,601,462, June 24.
Attaching electric lamp sockets to tubular lamp bases. C. Bramming. 2,596,006, May 6.
Attaching ends to cylindrical objects of resin impregnated cloth laminates and products so produced. F. P. Ducatman and C. E. Eisenmann. 2,601,266, June 24.
Attaching fender flaps. H. Price and E. B. George. 2,593,179, Apr. 15.
Attaching heels to shoes. J. F. Leahy and J. W. Ashley. 2,607,061, Aug. 19.
Attaching means. A. Cohn. 2,612,813, Oct. 7.
Attaching means for the sides of convertible top fabric. W. Mechlin. 2,606,060, Aug. 5.
Attaching on each side of a vehicle chassis or body a frame carrying an endless driving track. E. T. J. Tapp and J. Davey. 2,586,742, Feb. 19.
Attaching parts to wooden poles. M. W. Manson. 2,582,050, Jan. 8.
Attachment device. A. E. Du Bois. 2,585,302, Feb. 12.
Attachment for animal traps. W. T. Oxley. 2,595,809, May 6.
Attachment for automobile sun visors. E. P. Diefenbach. 2,589,348, Mar. 18.
Attachment for bathtubs. K. L. Hansen. 2,608,693, Sept. 2.
Attachment for blindstitch sewing machines. J. Galkin. 2,585,307, Feb. 12.
Attachment for book sewing machines. A. R. Gilliam. 2,601,113, June 17.
Attachment for converting drill presses for sawing operations. H. Saucke. 2,607,107, Aug. 19.
Attachment for corn pickers. T. B. Schulte. 2,581,720, Jan. 8.
Attachment for cutting torches. B. H. Donahue and F. H. Gallimore. 2,596,133, May 13.
Attachment for door knobs. C. H. Weaver. 2,610,877, Sept. 16.
Attachment for dressing grinding wheels. E. Oldham. 2,581,496, Jan. 8.
Attachment for drinking cups, glasses, and similar receptacles to prevent the spilling of liquids contained therein. J. Campomar. 2,600,479, June 17.
Attachment for dual pedal control for automobiles. P. A. Ostrow. 2,599,656, June 10.
Attachment for eyeglasses. A. E. Lamb. 2,599,463, June 3.
Attachment for fishhooks. J. D. Sarakas. 2,616,203, Nov. 4.
Attachment for fork lift trucks. J. J. Hally. 2,584,870, Feb. 5.
Attachment for garden tools. P. J. Wolf. 2,592,990, Apr. 15.
Attachment for hair clippers. P. C. Clark. 2,590,684, Mar. 25.
Attachment for hospital beds. F. H. Pruyne. 2,607,401, Aug. 19.
Attachment for industrial trucks. S. Weiss. 2,593,820, Apr. 22.
Attachment for lathes. J. Wiegant. 2,583,917, Jan. 29.
Attachment for laundry machines. J. H. Leef. 2,589,619, Mar. 18.
Attachment for milling machines. F. J. Malnar. 2,604,019, July 22.
Attachment for mining machine anchor jacks. J. C. Buttrick. 2,598,970, June 3.
Attachment for newspaper press inking roller shafts. A. L. Imshaug. 2,602,711, July 8.
Attachment for opaque projection by transparency projectors. H. G. Fitz Gerald. 2,596,393, May 13.
Attachment for planes. K. D. White. 2,614,591, Oct. 21.
Attachment for portable typewriters. V. L. Chvilicek. 2,596,652, May 13.
Attachment for pressing irons. A. F. W. Helmbold. 2,618,729, Nov. 18.
Attachment for projectors for projecting stereoscopic pictures. W. J. R. Jackson. 2,612,818, Oct. 7.
Attachment for safety razors. J. D. Karle. 2,600,880, June 17.
Attachment for spring tooth harrows. E. A. Bellke. 2,583,290, Jan. 22.
Attachment for supporting a chemical decarbonizer or descooter in a pot-type oil burning space heater or furnace. H. E. Rucks. 2,606,605, Aug. 12.
Attachment for weighing scale housings. D. B. Kendall and H. W. Burson. 2,616,589, Nov. 4.
Attack defeating combination lock. F. W. Sammons. 2,587,654, Mar. 4.
Attenuating apparatus. C. P. Batista. 2,597,850, May 27.
Attenuator for wave guides, Rotatable. A. E. Bowen. 2,603,710, July 15.
Attitude indicating unit. G. C. Draper. 2,594,406, Apr. 29.
Attitude indicator. H. Konet and P. A. Noxon. 2,595,951, May 6.
Attitude indicator. P. A. Noxon. 2,588,755, Mar. 11.
Audible leveling means for cameras and other devices. G. J. Morris. 2,600,363, June 10.
Audible railroad crossing warning signal. S. W. Madden. 2,592,163, Apr. 8.
Audio caliper device. R. W. Goble and G. Jackson. 2,596,023–4, May 6.
Audio limiter circuits. L. C. Fuller, Jr. 2,610,252, Sept. 9.
Audio-power switching system for radio-television receiver combinations. C. E. Torsch. 2,610,251, Sept. 9.
Audio relay, Selective. P. E. Fischler. 2,623,966, Dec. 30.
Audio signal tone control. R. W. Sanders. 2,593,490, Apr. 22.
Audiometer threshold signal adjusting network. G. E. Foster. 2,605,355, July 29.
Audiphone. J. M. Hazard. 2,611,829, Sept. 23.
Auger type loader, Portable. G. A. Robinson. 2,615,560, Oct. 28.

Auger, Undercutting earth. R. A. Ransdall. 2,613,063, Oct. 7.
Aural protective device. L. T. Reynolds. 2,619,960, Dec. 2.
Aureomycin complex. C. Pidacks and G. M. Sieger, Jr. 2,603,584, July 15.
Aureomycin, Producing. J. G. Niedercorn. 2,609,329, Sept. 2.
Austenitic steels. S. F. Urban and G. F. Comstock. 2,602,028, July 1.
Authenticating means for documents. V. S. Beaune. 2,604,710, July 29.
Auto body repair tool. M. M. Ostrenga. 2,605,659, Aug. 5.
Auto brake. H. Hsi-Yu. 2,584,078, Jan. 29.
Auto circuit for drive-in theaters. R. A. Satterfield. 2,619,544, Nov. 25.
Auto cycle and like power assisted vehicle and motor for such vehicle. N. Obram. 2,586,702, Feb. 19.
Auto headlight switching apparatus. C. W. Pfarr. 2,604,555, July 22.
Auto-loading self-propelled dumping vehicle. G. H. Kandoll. 2,599,838, June 10.
Auto mirror, radio antenna, light and directional signal construction, Combined. H. Garlow. 2,586,643, Feb. 19.
Auto tire nonskid device. C. S. Brandvold. 2,596,096, May 13.
Autoclaving of sodium stannate liquors. H. W. Richter. 2,621,109, Dec. 9.
Automatic accounting device. E. W. Flint, A. E. Hague, A. E. Joel, Jr., and R. O. Rippere. 2,588,375, Mar. 11.
Automatic accounting device. A. E. Hague. 2,615,628, Oct. 28.
Automatic adjusting tappet. R. Chilton. 2,597,618, May 20.
Automatic air painting unit with transverse oscillating action. J. A. Paasche. 2,610,605, Sept. 16.
Automatic air pressure safety valve. J. A. Danielson. 2,601,968, July 1.
Automatic air valve. J. H. White and R. T. Schoerner. 2,601,216, June 17.
Automatic alternating current arc welding system. A. F. Chouinard. 2,602,870, July 8.
Automatic animal feeder. G. L. Westby. 2,599,030, June 3.
Automatic apparatus for silvering mirrors. N. B. Jones. 2,581,057, Jan. 8.
Automatic apparatus for the manufacture by hand of all kinds of knitted fabrics. T. Domenech. 2,609,675, Sept. 9.
Automatic approach clearing apparatus for centralized traffic control systems. F. H. Failor. 2,608,646, Aug. 26.
Automatic axial pressure device applicable to friction drives. F. Perruca. 2,585,830, Feb. 12.
Automatic balancing system for rotatable article handling machines. L. M. Kahn. 2,610,523, Sept. 16.
Automatic bale tension control for baling machines. R. I. Bobst. 2,582,672, Jan. 15.
Automatic baler. M. E. McClellan, L. G. Cheatum and G. B. Hill. 2,612,099, Sept. 30.
Automatic barrel handling device for horn presses. S. S. Johns. 2,613,823, Oct. 14.
Automatic beverage mixer. W. A. Steiner and R. W. Sprung. 2,612,353, Sept. 30.
Automatic bobbin unwinding device. W. Schweiter. 2,610,805, Sept. 16.
Automatic book cutting-off device. W. A. Larkins. 2,615,410, Oct. 28.
Automatic brake adjusting means. O. V. Page. 2,592,326, Apr. 8.
Automatic brake adjusting mechanism. I. E. Schultz. 2,583,970, Jan. 29.
Automatic brake slack adjuster for railroad car brake riggings. W. J. Sockell. 2,596,301, May 13.
Automatic bungee. W. Gerstenberger. 2,583,828, Jan. 29.
Automatic buoyancy control system. R. C. Wolfe and T. C. Boyle. 2,582,304, Jan. 15.
Automatic burner control system. P. G. Frerer. 2,592,410, Apr. 8.
Automatic cable tester or fault analyzer means. L. J. Kabell, R. A. Richards, and A. L. Dyer. 2,622,130, Dec. 16.
Automatic carpet tufting and pile cutting machine. R. C. Kline. 2,595,585, May 6.
Automatic carriage puller for case balers. C. L. Walters. 2,593,636, Apr. 22.
Automatic charging and conveying device. G. Chiaberta. 2,598,973, June 3.
Automatic charging and vent valve. W. F. Klein. 2,582,546, Jan. 15.
Automatic choke valve. C. J. Swigert. 2,603,198, July 15.
Automatic chuck. O. H. Banker. 2,610,065, Sept. 9.
Automatic chuck. R. L. Coan. 2,610,860, Sept. 16
Automatic circuit breaker reclosing system and apparatus. L. E. Goff, Jr. 2,582,027, Jan. 8.
Automatic circuit interrupter. H. O. Stoelting and R. A. Wood. 2,607,869, Aug. 19.
Automatic clay spreader. W. E. Cope. 2,588,804, Mar. 11.
Automatic cleaner solution supply for beer distributing systems. F. J. Warcup. 2,591,985, Apr. 8.
Automatic cloth counter and conveyer. L. L. Bird. 2,602,535, July 8.
Automatic clutch mechanism. E. J. Johnson. 2,607,312, Aug. 19.
Automatic coin-controlled ball cleaning and polishing apparatus. G. W. Hayes and O. Sloan. 2,619,662, Dec. 2.
Automatic color selection, Means for. M. Lange. 2,623,432, Dec. 30.
Automatic control and safety cover for extractors. O. W. Johnson. 2,588,634, Mar. 11.
Automatic control apparatus. F. W. Meredith. 2,607,550, Aug. 19.
Automatic control apparatus for aircraft. F. W. Meredith. 2,621,003, Dec. 9.
Automatic control device for the electrical systems of motor vehicles. J. C. Meyer. 2,606,626, Aug. 12.
Automatic control for electric heaters and other purposes. W. Murray. 2,591,852, Apr. 8.
Automatic control for headlights of motor vehicles. E. M. Pardue and R. D. Higgins. 2,615,079, Oct. 21.
Automatic control for machines. F. S. Flick. 2,594,548, Apr. 29.
Automatic control for molding presses. G. B. Sayre. 2,588,662, Mar. 11.
Automatic control for swinging doors. W. O. Ford. 2,601,604, June 24.
Automatic control for switching type conveyers. K. H. Hansen and T. B. Jochem. 2,595,356, May 6.
Automatic control for temperature controlling systems. G. Strysko. 2,583,397, Jan. 22.
Automatic control for time constant systems. A. D. Bielek. 2,606,965, Aug. 12.
Automatic control for wells. E. W. Jones and L. E. Gray, Jr. 2,599,458, June 3.
Automatic control means for stokers. J. S. Skelly. 2,584,235, Feb. 5.
Automatic control mechanism for soot blowers. E. E. Rose. 2,620,632, Dec. 9.
Automatic control of final selectors. W. Pouliart. 2,583,014, Jan. 22.
Automatic control of inspirators for gas plants. D. W. Shaeffer. 2,608,477, Aug. 26.
Automatic control of mobile craft. P. A. Noxon, A. M. MacCallum, and A. Bennett. 2,592,173, Apr. 8.
Automatic control of wave form. G. L. Grundmann. 2,587,313, Feb. 26.
Automatic control system. E. P. Anderson. 2,602,916, July 8.
Automatic control system. F. W. Meredith. 2,611,559, Sept. 23.
Automatic control system. F. W. Meredith. 2,620,463, Dec. 2.
Automatic control system. F. R. Milsom. 2,595,868, May 6.
Automatic control system for aircraft retractable landing gear. J. H. Miller. 2,580,452, Jan. 1.
Automatic control system for controlling moving craft. F. W. Meredith. 2,619,623, Nov. 25.
Automatic control system using nonlinear responsive elements. E. T. Davis. Re. 23,561, Oct. 7.
Automatic conveying apparatus. L. S. Rosener. 2,617,546, Nov. 11.
Automatic cooling system. J. Burich. 2,597,061, May 20.
Automatic correcting mechanism for time devices. C. Schiffl. 2,599,289, June 3.
Automatic curve follower. L. H. Johnston. 2,611,115, Sept. 16.
Automatic cushion stuffer with belt conveyer and reciprocating follower. E. J. Stauffer. 2,597,397, May 20.
Automatic cutoff and relief valve for tires. J. A. Pinchev. 2,611,385, Sept. 23.
Automatic cutoff valve. C. E. Baird and P. V. Mullins. 2,613,683, Oct. 14.
Automatic cutout for train circuit protection device. M. J. Alger, Jr. 2,608,447, Aug. 26.
Automatic cutter sharpening machine. S. M. Ransome. 2,600,323, June 10.
Automatic cycling valve. J. G. Cannon. 2,620,825, Dec. 9.
Automatic cylindrical printing apparatus. E. Fuchs. 2,598,047, May 27.
Automatic dehydration apparatus for cereals. W. A. Noel. 2,608,768, Sept. 2.
Automatic depth-reaction control for tractor mounted implements. F. M. Fraga. 2,622,499, Dec. 23.
Automatic device for landing aircraft. A. M. Tonnelé. 2,613,889, Oct. 14.
Automatic diaphragm control system. M. H. Sussin. 2,593,216, Apr. 15.
Automatic direction control mechanism. C. R. Russell. 2,607,460, Aug. 19.
Automatic distillation testing. J. M. Jones and J. J. Stranahan. 2,595,948, May 6.
Automatic distress signaling device. P. Williams. 2,587,564, Feb. 26.
Automatic dividing device for conveyer systems. W. H. Hartmann. 2,602,534, July 8.
Automatic door control system. G. F. Richards. 2,588,879, Mar. 11.
Automatic door controlling mechanism. W. Webster and K. E. Berk. 2,588,597, Mar. 11.
Automatic door holder. J. W. and E. Laurin. 2,590,423, Mar. 25.
Automatic draft control. W. B. Stephenson and J. S. Lee, 2,605,968, Aug. 5.

Automatic drain valve. B. O. Wagner. 2,610,645, Sept. 16.
Automatic drift corrector. Q. A. Kerns. 2,610,552, Nov. 25.
Automatic drift for boring mill spindles. G. E. Morse and J. K. Allbright. 2,608,886, Sept. 2.
Automatic drilling machine. C. M. O'Leary. 2,589,121, Mar. 11.
Automatic electric arc welding of workpieces. H. Bienfait and S. D. Boon. 2,617,003, Nov. 4.
Automatic electric range control. G. N. Miles. 2,623,976, Dec. 30.
Automatic electric selective silver coin changer. L. L. Pruyn. 2,610,721, Sept. 16.
Automatic electric setwork assembly. A. R. Brown. 2,587,438, Feb. 26.
Automatic electric space-discharge material removal method and apparatus. I. C. McKechnie. 2,588,744, Mar. 11.
Automatic electric time control. W. J. Ward. 2,594,103, Apr. 22.
Automatic electric time switch mechanism. E. W. Anderson. 2,619,169, Nov. 25.
Automatic electrode structure assembling means. T. H. Schelling. 2,600,076, June 10.
Automatic electronic switching by time delay signal for telephone systems. E. M. Deloraine and P. R. Adams. 2,596,989, May 20.
Automatic emergency keyer unit. C. E. Sunderland. 2,620,390, Dec. 2.
Automatic erase for magnetic recorders. S. J. Begun and T. F. Deucher. 2,589,035, Mar. 11.
Automatic exposure apparatus for making photographic prints. T. P. C. Breuers and T. H. Linthout. 2,600,470, June 17.
Automatic extrusion press. A. T. Deutsch. 2,620,922, Dec. 9.
Automatic farm gate. G. F. Gump. 2,593,876, Apr. 22.
Automatic feeder and transfer mechanism for tobacco ordering machines. W. W. Michaux, Jr. 2,612,982, Oct. 7.
Automatic feeder for feeding material or articles through machines. T. R. Sykes. 2,619,027, Nov. 25.
Automatic feed for die machining apparatus. M. H. MacMeans and C. J. Oberdoerster. 2,621,448, Dec. 16.
Automatic feeding device. A. E. Davison. 2,614,315, Oct. 21.
Automatic feeding machine. B. Maly. 2,602,275, July 8.
Automtaic feeding system. T. B. Charles and R. R. Skelton. 2,597,064, May 20.
Automatic feeler means to detect crown feeding failures. C. W. Smith. 2,616,541, Nov. 4.
Automatic fire and earthquake responsive cutoff valve. W. W. Crow. 2,615,461, Oct. 28.
Automatic fishing reel brake. J. A. Holm. 2,588,837, Mar. 11.
Automatic flight control system. J. M. Slater. 2,623,714, Dec. 30.
Automatic flight controller. R. L. Frazier and H. B. Breedlove. 2,612,331, Sept. 30.
Automatic float-actuated watering device for farm animals. F. H. Steel. 2,614,532, Oct. 21.
Automatic float transfer valve. C. W. Taylor. 2,614,576, Oct. 21.
Automatic flock feeder. N. Cordis. 2,613,641, Oct. 14.
Automatic flow control mechanism for hydraulic power circuit. J. W. Bridwell and M. M. Coker. 2,621,478, Dec. 16.
Automatic flow control system for ore concentrators. E. C. Bitzer. 2,609,096, Sept. 2.
Automatic flow regulator. T. J. Thompson. 2,606,066, Aug. 5.
Automatic fluid brake governed speed regulating transmission. J. B. Bruce. 2,618,175, Nov. 18.
Automatic fluid drive. D. J. Raun. 2,607,242, Aug. 19.
Automatic fluid pressure transmission. W. T. Livermore. 2,604,197, July 22.
Automatic fly reel. E. T., W. J. and E. P. Van Selver. 2,609,160, Sept. 2.
Automatic foam compound proportioning means for fire extinguishers. J. Faulkner. 2,611,439, Sept. 23.
Automatic foil-feeding mechanism for stamping machine. H. A. Mintz. 2,604,387, July 22.
Automatic force-balance system. O. C. Brewster. 2,588,800, Mar. 11.
Automatic forming machine for the manufacture of felt hats, muffs, and like felt articles. M. Cassé. 2,615,208, Oct. 28.
Automatic-fraction collection apparatus. G. Gorham. 2,604,248, July 22.
Automatic fraction-collection apparatus. G. Gorham. 2,604,249, July 22.
Automatic frequency control. R. S. Bailey. 2,616,049, Oct. 28.
Automatic frequency control circuit. E. H. Hugenholtz. 2,617,037, Nov. 4.
Automatic frequency control circuit. D. Leed. 2,610,297, Sept. 9.
Automatic frequency control circuit. J. M. Olthuis and E. H. Hugenholtz. 2,624,006, Dec. 30.
Automatic frequency control circuit. L. D. Smullin. 2,611,092, Sept. 16.
Automatic frequency control circuit for television. C. G. Sontheimer. 2,622,146, Dec. 16.
Automatic frequency control for klystron oscillators. K. R. Spangenberg. 2,583,023, Jan. 22.
Automatic frequency control system. E. L. Ginzton, W. W. Hansen, and R. H. Varian. 2,586,497, Feb. 19.
Automatic frequency control system. E. H. Hugenholtz. 2,623,177, Dec. 23.
Automatic frequency control system. A. C. Munster. 2,594,263, Apr. 22.
Automatic fuel gauge. C. Scifford. 2,611,270, Sept. 23.
Automatic fuel injector. L. O. French. Re. 23,476, Apr. 8.
Automatic gain control. G. W. Fyler. 2,606,247, Aug. 5.
Automatic gain control circuits. H. D. Guinac. 2,594,916, Apr. 29.
Automatic gain control system. R. A. Emmett, Jr. 2,608,651, Aug. 26.
Automatic gain control system. W. B. Hemphill. 2,612,568, Sept. 30.
Automatic gain control system. B. F. Spencer. 2,611,081, Sept. 16.
Automatic gas drier. G. C. F. Asker. 2,606,627, Aug. 12.
Automatic gas piston operated firearm. J. Koucky. 2,615,370, Oct. 28.
Automatic gas ratio sampling device. R. R. Lobosco. 2,622,967, Dec. 23.
Automatic gate. R. Q. Puckett. 2,592,736, Apr. 15.
Automatic glare shield control. V. S. Sang. 2,607,906, Aug. 19.
Automatic governor attachment for fishing reels. C. L. Hockney. 2,597,486, May 20.
Automatic grid cutting machine. H. P. Kronenwetter. 2,581,960, Jan. 8.
Automatic guide pin for routing machines. K. Rohrer. 2,592,187, Apr. 8.
Automatic gun charger. E. C. Bunnell. 2,590,153, Mar. 25.
Automatic hydraulic speed change mechanism. L. De Dionigi. 2,592,015, Apr. 8.
Automatic hydraulic transmission. J. T. Hinton. 2,604,799, July 29.
Automatic ignition and control mechanism for gas burners. C. M. Mayer and S. T. Craig. 2,607,407, Aug. 19.
Automatic immersion apparatus. N. G. Kling. 2,583,379, Jan. 22.
Automatic impulse sender. D. B. Parkinson. 2,597,808, May 27.
Automatic index device for wringers. W. L. Kauffman. 2,595,147, Apr. 29.
Automatic indexing drill press and flame cutting machine. L. L. Young, A. C. Drechsler, and B. T. Brozozowski. 2,619,707, Dec. 2.
Automatic indicating means for photographic film holders. Y. H. Kurkjian. 2,582,044, Jan. 8.
Automatic inserter for suturing clips. L. Vollmer. 2,594,102, Apr. 22.
Automatic interlock for pusher machines and coke guide machines. P. H. Lavely. 2,589,266, Mar. 18.
Automatic intermittent feed-and-cut machine for sawing firewood. R. C. and D. R. Coats. 2,614,589, Oct. 21.
Automatic ionization chamber. H. V. Neher. 2,617,044, Nov. 4.
Automatic keeper for permanent magnets. I. E. Ross and R. P. Loveland. 2,602,098, July 1.
Automatic keeper for permanent magnets. C. A. Thomas. 2,606,219, Aug. 5.
Automatic ladling means. A. S. Kux. 2,611,939, Sept. 30.
Automatic lathe. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,585,217, Feb. 12.
Automatic lathe with revolving turret. G. E. Cuttat. 2,605,538, Aug. 5.
Automatic leveling device for wheel type ditching machines. J. W. Hulse. 2,621,427, Dec. 16.
Automatic leveling mechanism for land levelers. L. Seminario. 2,599,490, June 3.
Automatic lift for disk harrows. R. T. Evans and J. H Clasen. 2,623,341, Dec. 30.
Automatic line tracking machine. M. Martellotti. 2,622,485, Dec. 23.
Automatic liquid carbonator. F. and R. D. Welty. 2,588,677, Mar. 11.
Automatic liquid supply regulator for milk driers. H. H. Muckala. 2,612,181, Sept. 30.
Automatic load releasing device for parachutes. J. L. Hight. 2,616,748, Nov. 4.
Automatic low water gas shutoff. R. C. Possley. 2,611,273, Sept. 23.
Automatic lubrication means for plural stage compressors. H. B. Pownall. 2,06,430, Aug. 12.
Automatic machine for freezing spiral ice chips. J. M. Nitsch. 2,597,515, May 20.
Automatic machine for measuring granular materials. G. A. Lee, A. R. Smith, and C. J. Hopkins. 2,587,338, Feb. 26.
Automatic material-weighing machine. H. S. Christensen, H. Otzen, M. Weitemeyer, and J. Andersen. 2,620,154, Dec. 2.
Automatic measurement of transmission characteristics. H. A. Etheridge, Jr. 2,617,855, Nov. 11.
Automatic mensuring and bagging machine for produce. E. A. Ernst. 2,596,768, May 13.
Automatic milling cutter grinder. D. A. Cargill. 2,610,449, Sept. 16.
Automatic molding press. W. Strauss. 2,582,891, Jan. 15.

Automatic molding press. E. van der Pyl. 2,592,768, Apr. 15.
Automatic mortising and tenoning machine. H. J. Eck. 2,586,798, Feb. 26.
Automatic multicolor airpainting apparatus. J. A. Paasche. 2,610,578, Sept. 16.
Automatic multiple sampling valve. J. P. Strange and W. P. Yant. 2,595,311, May 6.
Automatic multispindle lathe, Continuous. K. R. Stadthaus. 2,606,359, Aug. 12.
Automatic, nonclogging watering cup for poultry and livestock watering apparatus. F. H. Pfiltzner. 2,619,981, Dec. 2.
Automatic nozzle adjustment for vacuum cleaners and the like. E. D. Thornwald. 2,614,283, Oct. 21.
Automatic obturator for the adduction of fluids. M. T. Tixhon and E. Lagnesse. 2,593,938, Apr. 22.
Automatic old balance pickup means for accounting and like machines. R. W. Pitman. 2,583,666, Jan. 29.
Automatic old balance pickup means for accounting and like machines. R. W. Pitman. 2,615,623, Oct. 28.
Automatic operation system for recorders. N. M. Haynes. 2,602,913, July 8.
Automatic overedging machine. F. R. Piper and J. M. Gardner. 2,596,168, May 13.
Automatic party line metering. C. E. Lomax. 2,623,125, Dec. 23.
Automatic pattern controlled machine tools. W. P. Bobbs. 2,610,447, Sept. 16.
Automatic pay station. R. F. Broussard. 2,594,388, Apr. 29.
Automatic photographic and sound record apparatus. J. J. C. Hardenberg. 2,601,955, July 1.
Automatic pilot. R. J. Kutzler and T. J. Wilson. 2,590,020, Mar. 18.
Automatic pilot for aircraft. A. P. Glenny. 2,602,611, July 8.
Automatic pilot for aircraft. W. M. Harcum and G. Bull. 2,611,560, Sept. 23.
Automatic pipe coupling. W. L. Kelly and O. Pottberg. 2,604,338, July 22.
Automatic Pittsburgh lock seam sealer. M. Troop. 2,609,028, Sept. 2.
Automatic plate inserter and ejector for embossing machines. P. R. Seward. Re. 23,508, May 27.
Automatic playing card dealing apparatus. L. F. Florant. 2,581,247, Jan. 1.
Automatic plotting board and projecting means. A. F. Hayek. 2,584,267, Feb. 5.
Automatic positive pressure breathing machine. L. G. Fox. 2,598,525, May 27.
Automatic poultry feeder. A. J. Bergeron. 2,582,203, Jan. 22.
Automatic poultry feeder. A. L. Dale and J. B. Furnace. 2,598,977, June 3.
Automatic poultry feeder. W. P. Graetz. 2,589,690, Mar. 18.
Automatic power table for side service hearses. E. L. Schofield. 2,589,295, Mar. 18.
Automatic pressing means, more particularly for closing bottles. J. Stuller. 2,601,068, June 17.
Automatic pressure controlled valve system for fluid fuel burners. W. A. Ray. 2,615,511, Oct. 28.
Automatic propeller feathering system. L. J. Bordelon. 2,605,849, Aug. 5.
Automatic propeller feathering system. R. A. Muma. 2,601,901, July 1.
Auomatic puffing unit for toys. W. R. Smith. 2,610,437, Sept. 16.
Automatic pump assembly primer. A. S. Soberg. 2,589,443, Mar. 18.
Automatic radio weather station. H. J. McCreary. 2,605,343, July 29.
Automatic rain-responsive top and window lifting system. H. G. Nutter. 2,617,972, Nov. 11.
Automatic razor strop cover. L. M. Young and L. B. Killingsworth. 2,622,379, Dec. 23.
Autoclave reactor. H. L. Barnebey and J. R. Shields. 2,582,899, Jan. 15.
Automatic rebalance signal indicator. G. A. Fink. 2,617,842, Nov. 11.
Automatic recirculating control for pumps. H. A. Schlieder. 2,593,058, Apr. 15.
Automatic recirculating control for pumps. H. A. Schlieder. 2,622,533, Dec. 23.
Automatic reclosing circuit interrupter. J. M. Wallace. 2,601,188, June 17.
Automatic record changing talking machine. A. Nicolé and L. Thevenaz. 2,592,323, Apr. 8.
Automatic recovery pilot for aircraft. W. M. Harcum. 2,595,250, May 6.
Automatic regulation of light falling on deformable cathode-ray tube screen. E. F. Fischer. 2,600,397, June 17.
Automatic regulator control. L. R. Runaldue. 2,601,060, June 17.
Automatic replacement of defective repeaters in high-frequency electric communication systems. C. G. Treadwell. 2,597,043, May 20.
Automatic reservation system of the code type. A. P. Jackel. 2,622,142, Dec. 16.
Automatic resetting overload switch. A. Goldsmith. 2,609,465, Sept. 2.
Automatic retarder, Bowling ball. L. F. Cowgill. 2,597,072, May 20.
Automatic return farm gate. W. W. Goode. 2,618,876, Nov. 25.
Automatic reversing clutch. E. O. Horn. 2,619,209, Nov. 25.
Automatic reversing mechanism. E. Dawson. 2,593,416, Apr. 22.
Automatic reversing system for tape reeling machines. E. E. Masterson. 2,623,750, Dec. 30.
Automatic revolving chamber rocket launcher. W. L. Whitson. 2,587,672, Mar. 4.
Automatic roll control for ships or the like. S. R. and A. H Ramsay. 2,590,207, Mar. 25.
Automatic roll dispenser. H. C. Scogin. 2,592,346, Apr. 8.
Automatic rotating descaler for wheel blocks or the like. E. H. Daily and W. E. Schmidt. 2,614,316, Oct. 21.
Automatic round head screw stick driver. C. W. Michatek. 2,589,016, Mar. 11.
Automatic rural mailbox signal. L. Price. 2,581,880, Jan. 8.
Automatic safety and pressure breathing means. B. B. Holmes. 2,619,959, Dec. 2.
Automatic safety control and indicator for engines. A. C. Korte. 2,603,697, July 15.
Automatic safety mechanism for mechanically operated cutting knives severing strip materials. J. I. Nasmith. 2,591,592, Apr. 1.
Automatic safety valve closure system. R. R. Proctor. 2,608,205, Aug. 26.
Automatic sampler. R. M. Waters and G. E. Batchelder. 2,623,544, Dec. 30.
Automatic saw blade planishing, stretching, and straightening machine. P. Senard. 2,623,414, Dec. 30.
Automatic sealing gate valve. A. S. Volpin. 2,605,078, July 29.
Automatic sear for automatic firearms. P. De Kiraly. 2,613,577, Oct. 14.
Automatic selection of receiving channels. H. B. Coxhead. 2,590,234, Mar. 25.
Automatic selector, change-over regulator and indicator device. W. R. Eddy and T. A. St. Clair. 2,592,259, Apr. 8.
Automatic selector mechanism. W. L. Worthen. 2,603,329, July 15.
Automatic self-locking indexing head. A. M. Tripp. 2,594,828, Apr. 29.
Automatic self-releasing and casting float. W. L. Keen. 2,581,259, Jan. 1.
Automatic shaft positioning apparatus. H. M. Schweighofer and R. S. Pyle. 2,604,995, July 29.
Automatic shakeout device for tight flask molds. A. C. Christensen. 2,600,206, June 10.
Automatic shaper, Dual table. W. Groen. 2,603,256, July 15.
Automatic shaping attachment. H. Grondahl and W. Groen. 2,603,258, July 15.
Automatic sheet throwout apparatus. L. A. Moore. 2,617,528, Nov. 11.
Automatic shift control for printing telegraph apparatus. T. I. Przysiecki. 2,589,132, Mar. 11.
Automatic shutoff dispensing nozzle valve. L. H. Duerr. 2,582,195, Jan. 8.
Automatic shutoff fuel valve. J. L. Cahill. 2,608,984, Sept. 2.
Automatic shutoff valve. W. E. Barnes. 2,590,918, Apr. 1.
Automatic shutoff valve. R. H. Boggs. 2,590,838, Apr. 1.
Automatic shutoff valve. H. J. Criner. 2,608,998, Sept. 2.
Automatic slide changing and picture dissolving mechanism for still picture projectors. C. J. Cadwell and F. M. Adamson. 2,586,611, Feb. 19.
Automatic sound reproducer. A. B. Sack and M. Kessman. 2,604,547, July 22.
Automatic spark advance indicator. J. R. Azola, J. D. Lucius, E. H. Tate, and C. M. Lyon. 2,608,603, Aug. 26.
Automatic speed-signaling and speed-controlling system for automobiles and other vehicles. H. S. Davis. 2,594,739, Apr. 29.
Automatic speed-synchronizing mechanism for twin engines. W. E. Benua. 2,599,885, June 10.
Auxiliary spring attachment for motion-picture cameras. J. J. Golick and R. L. Moore. 2,613,761, Oct. 14.
Automatic spring-pressed needle expansion valve. W. J. Pritchett. 2,618,907, Nov. 25.
Automatic springy tab for aircraft control surface. R. R. Gilruth. 2,605,063, July 29.
Automatic sprinkler control. F. Hauser. 2,619,105, Nov. 25.
Automatic start and stop mechanism. C. N. Bergmann. 2,599,220, June 3.
Automatic starting control. R. M. Nardone. 2,580,820, Jan. 1.
Automatic starting electrical control circuit for engine driven electric power generators. R. E. Walters. 2,611,877, Sept. 23.
Automatic starting system for internal-combustion engines. M. P. Odell. 2,592,945, Apr. 15.
Automatic steering device for bean picking machines. J. W. Ward. 2,610,562, Sept. 16.
Automatic steering system. T. T. Eaton. 2,614,249, Oct. 14.
Automatic steering system. E. J. Wade. 2,615,154, Oct. 21.
Automatic stop and vent valve. F. Sutton. 2,610,819, Sept. 16.

Automatic stop control for looms. J. A. Mason. 2,600,667, June 17.
Automatic stop for dies. R. Krasberg. 2,610,686, Sept. 16.
Automatic stride control for artificial legs. A. E. Wallace. 2,607,923, Aug. 26.
Automatic supply of low molecular raw material for continuous production and spinning of polyamides. Method and device for an. J. Moravec. 2,596,272, May 13.
Automatic switch. O. A. Pearce and R. Taylor. 2,581,699, Jan. 8.
Automatic switching apparatus. K. W. Graybill and H. Sengebusch. 2,623,126, Dec. 23.
Automatic swivel locking caster. J. F. Kostolecki. 2,583,858, Jan. 29.
Automatic system for aircraft. J. Zakheim. 2,581,743, Jan. 8.
Automatic take-up reel. D. T. Gleason. 2,605,977, Aug. 5.
Automatic tank drain unit. D. Wilkerson. 2,619,985, Dec. 2.
Automatic tank fill valve. P. C. Symmons. 2,620,818, Dec. 9.
Automatic tank catcher. E. C. Romine and B. Montegna. 2,600,329, June 10.
Automatic telegraph system controlled from the teleprinter keyboard. R. M. M. Oberman. 2,608,615, Aug. 26.
Automatic telephone system. S. D. Vigren, H. Freese, P. H. E. Claesson, and S. P. R. Åkesson. 2,620,401, Dec. 2.
Automatic telephone system for non-consecutively numbered grouped lines. H. L. Lesigne. 2,602,122, July 1.
Automatic temperature control. C. H. Fay and R. R. Goodell. 2,616,020, Oct. 28.
Automatic testing apparatus. R. A. Doncyson. 2,584,680, Feb. 5.
Automatic thermal metal-joining tool. H. C. McKay. 2,605,379, July 29.
Automatic tire tube air valve. R. A. Daalmeyer. 2,587,973, Mar. 4.
Automatic tone control. W. J. Gruen. 2,615,090, Oct. 21.
Automatic train pipe connector. C. F. Lockhart. 2,596,778, May 13.
Automatic transmission. S. S. and A. A. Cross. 2,597,854, May 27.
Automatic transmission. E. J. Farkas and J. F. Swift. 2,603,109, July 15.
Automatic transmission. P. Orr and G. E. Flinn. 2,620,908, Dec. 9.
Automatic transmission. E. E. Wemp. 2,599,215, June 3.
Automatic transmission control. R. Chilton. 2,590,231, Mar. 25.
Automatic travel adjuster for air brake pistons. I. A. Farnworth. 2,599,377, June 3.
Automatic tree trimmer. W. E. Llewellyn. 2,612,724, Oct. 7.
Automatic trot line setter. M. Latta and J. Higgins. 2,599,113, June 3.
Automatic tuning control. J. M. Hollywood. 2,609,490, Sept. 2.
Automatic tuning device for radio broadcasting receivers. A. T. Jones. 2,582,039, Jan. 8.
Automatic tuning for radio receivers. W. A. Tolson. 2,620,436, Dec. 2.
Automatic tuning system. C. B. Coleman. 2,616,066, Oct. 28.
Automatic turret lathe. A. Bechler. 2,618,841, Nov. 25.
Automatic twin bar-bridge bench piercer mill. H. E. Gross. 2,583,834, Jan. 29.
Automatic valve. L. C. Barling. 2,599,426, June 3.
Automatic valve. L. Calmels. 2,611,389, Sept. 23.
Automatic valve. R. D. Sweeny and W. L. Coutchure. 2,597,402, May 20.
Automatic valve for fluid control. D. B. Tolley. 2,620,829, Dec. 9.
Automatic variable coupler. H. G. Pratt. 2,589,029, Mar. 11.
Automatic variable-speed transmission. W. A. Duffield. 2,588,220, Mar. 4.
Automatic vertically pivoted gate. L. O. Mott. 2,608,775, Sept. 2.
Automatic volume control. W. F. Kannenberg. 2,616,971, Nov. 4.
Automatic volume control. J. C. Spindler. 2,617,929, Nov. 11.
Automatic volume control circuit. A. E. Tilley. 2,591,637, Apr. 1.
Automatic volume control circuits. W. J. O'Brien. 2,597,520, May 20.
Automatic volume control for seismic amplifiers. C. B. Scott. 2,585,854, Feb. 12.
Automatic volume control system. A. W. Donelson. 2,598,237, May 27.
Automatic volume control time response switching. E. H. Meier. 2,582,714, Jan. 15.
Automatic water cutoff and drain. C. E. Tally. 2,611,383, Sept. 23.
Automatic water valve. D. R. Myers. 2,601,166, June 17.
Automatic wear compensator for friction clutches. K. Miller. 2,616,540, Nov. 4.
Automatic weigher. L. G. Sublett. 2,587,787, Mar. 4.
Automatic weigher for cement. H. W. Carlsen. 2,607,556, Aug. 19.
Automatic weighing device for the feedbox of carding machines. G. N. Willis. 2,597,831, May 20.
Automatic well-drilling mechanism. C. M. O'Leary. 2,589,118, Mar. 11.
Automatic welding apparatus. O. R. Carpenter and F. W. Armstrong, Jr. 2,596,951, May 13.
Automatic welding machine. H. A. Osborne. 2,618,727, Nov. 18.
Automatic wiring connection. W. H. Cook. 2,618,680, Nov. 18.
Automatic work feeding mechanism. G. C. Abbott. 2,596,109, May 13.
Automatically actuated wheel feed mechanism for saw grinding machines. R. B. Matthewman. 2,588,263, Mar. 4.
Automatically adjustable wrench. B. Wiesen. 2,596,882, May 13.
Automatically atmospheric controlled motor. E. M. Satterlee. 2,583,018, Jan. 22.
Automatically clamping work supporting stand. M. V. Tracy. 2,605,795, Aug. 5.
Automatically controlled burner apparatus for heating automobile engines. H. W. Lindahl. 2,605,821, Aug. 5.
Automatically controlled transmission. M. P. Winther. 2,615,349, Oct. 28.
Automatically opening head gate. M. K. Osborn. 2,584,364, Feb. 5.
Automatically recording the speed and identity of vehicles. J. W. McCutcheon. 2,619,402, Nov. 25.
Automatically releasable flank strap fastener. C. B. Hutchings. 2,608,812, Sept. 2.
Automatically steerable toy vehicle. K. Fuchs. 2,606,402, Aug. 12.
Automatically transferring and metering charges of molten metal. A. S. Kux. 2,582,137, Jan. 8.
Automatically tuned wide range receiver and transmitter. H. A. Robinson and O. L. MacSorley. 2,595,608, May 6.
Automatically variable speed scavenge pump drive. A. M. Rockwell. 2,581,886, Jan. 8.
Automatically vented liquid flow regulating valve. C. F. Ruseonl. 2,603,493, July 15.
Automobile air conditioner for drive-in theaters. W. S. Oftebro and W. E. Fleming. 2,588,756, Mar. 11.
Automobile armrest. N. J. Rakas. 2,581,203, Jan. 1.
Automobile assembly kit, Model. B. A. Gray and J. D. Sabo. 2,587,142, Feb. 26.
Automobile auxiliary window mounting. J. F. Anderson. 2,596,114, May 13.
Automobile awning support. H. R. Schlagel. 2,580,704, Jan. 1.
Automobile back protector and seat, Combination. I. Kiwad. 2,621,714, Dec. 16.
Automobile body. R. C. Hoffman. 2,593,883, Apr. 22.
Automobile body, Changeable color. H. L. and M. L. Lacy. 2,596,566, May 13.
Automobile body front pillar. J. A. Maxwell. 2,588,643, Mar. 11.
Automobile body front pillar and fender mounting means. C. B. Doty, T. Vigmostad, and E. J. Nusbaum. 2,616,757, Nov. 4.
Automobile body heater. E. C. Booth. 2,620,720, Dec. 9.
Automobile-body heater. E. Ludlow. 2,610,833, Sept. 16.
Automobile body, Open. A. R. Lindsay. 2,597,837, May 20.
Automobile body repair jack. G. J. Morgenthaler. 2,606,469, Aug. 12.
Automobile body repair tool. G. J. Morgenthaler. 2,585,158, Feb. 12.
Automobile body structure, Convertible. O. Schreiner. 2,591,380, Apr. 1.
Automobile body tilt preventer. J. Hurwitz. 2,606,038, Aug. 5.
Automobile bug deflector. J. S. Kish. 2,601,401, June 24.
Automobile bumper attachable rack. A. P. Monteverde. 2,593,908, Apr. 22.
Automobile bumper, Noninterlocking. C. F. Martinetz. 2,604,349, July 22.
Automobile bumper seat. W. H. Schopper. 2,601,888, July 1.
Automobile cigarette case. J. J. Hellman. 2,597,990, May 27.
Automobile cover. C. D. Keller. 2,620,007, Dec. 2.
Automobile crankcase oil draining apparatus. F. A. Koester. 2,612,289, Sept. 30.
Automobile directional signal. A. E. Ashleman. 2,598,964, June 3.
Automobile door buffer. A. Neslund. 2,611,637, Sept. 23.
Automobile door lock. E. D. Dall. 2,582,925-6, Jan. 15.
Automobile door safety latch. S. and F. A. Abdallah. 2,595,436, May 6.
Automobile engine belt tool. J. D. Gilbreath. 2,599,102, June 3.
Automobile fender flap and supporting clamp. W. C. Jackson. 2,617,662, Nov. 11.
Automobile fender flap clamp. W. McCollum, Jr. and J. M. Wallace. 2,585,397, Feb. 12.
Automobile grille guard. H. M. Jenkins, Jr. 2,604,348, July 22.
Automobile heater. H. H. Wixon. 2,621,857, Dec. 16.
Automobile hoist and positioner. H. L. Peyron. 2,583,877, Jan. 29.
Automobile hood, fender and lamp construction. B. C. Gould. 2,584,576, Feb. 5.

Automobile hood latch and remote control. D. P. Hynes. 2,622,907, Dec. 23.
Automobile hydraulic system. E. M. Greer. 2,622,400, Dec. 23.
Automobile jack. E. F. and L. A. Gaudet. 2,600,750, June 17.
Automobile jack. G. E. Hughes. 2,609,177, Sept. 2.
Automobile jack. W. J. Peck. 2,580,829, Jan. 1.
Automobile lift. C. Hall. 2,610,747, Sept. 16.
Automobile license plate holder. C. E. Rose. 2,618,089, Nov. 18.
Automobile luggage carrier. J. M. Law. 2,594,319, Apr. 29.
Automobile no-draft ventilating window installation. J. H. Wernig. 2,606,059, Aug. 5.
Automobile parking and storage mechanism. A. G. Teason. 2,619,240, Nov. 25.
Automobile radiator cleaning device. P. L. Armstrong and D. B. Pence. 2,598,963, June 3.
Automobile radiator cleaning device. A. E. Lavender. 2,580,800, Jan. 1.
Automobile rear door latch. J. D. Stutt. 2,612,397, Sept. 30.
Automobile roof sleeping enclosure. G. O'Neill. 2,594,065, Apr. 22.
Automobile safety device, Electrical. R. Joksch. 2,610,238, Sept. 9.
Automobile safety ignition lock. G. M. Evans. 2,623,133, Dec. 23.
Automobile screen. A. K. Arthur. 2,609,872, Sept. 9.
Automobile seat cover. W. A. and R. J. Schlegel. 2,581,888, Jan. 8.
Automobile seat for children, Auxiliary. A. A. Bachand. 2,585,721, Feb. 12.
Automobile seat spring. M. Stubnitz. 2,609,036, Sept. 2.
Automobile seat structure. S. F. Steimack. 2,622,659, Dec. 23.
Automobile self-starter safety switch. H. W. Lindenmuth. 2,584,478, Feb. 5.
Automobile stabilizing counterweight. E. J. Halloran. 2,582,628, Jan. 15.
Automobile suspension system. D. Giacosa. 2,582,775, Jan. 15.
Automobile table with folding seat hanger. W. C. Smullen. 2,601,177, June 17.
Automobile theft alarm. D. H. Novak. 2,594,676, Apr. 29.
Automobile theft preventing ignition attachment. A. Eberhardt. 2,620,387, Dec. 2.
Automobile tire chain. E. E. Lloyd. 2,582,493, Jan. 15.
Automobile top, Let-down type. J. W. J. Ackermans. 2,596,355, May 13.
Automobile traction device. A. Klein. 2,622,702, Dec. 23.
Automobile turning and supporting carriage. C. R. Smith. 2,583,714, Jan. 29.
Automobile wheel lock. H. S. Pratt. 2,607,631, Aug. 19.
Automobile window sunvisor shade. E. G. Seibert. 2,594,813, Apr. 29.
Automotive air vent filter attachment. K. I. Strinden. 2,614,654, Oct. 21.
Automotive drive. G. Spatta. 2,581,152, Jan. 1.
Automotive power drive control system and mechanism. G. T. Randol. Re. 23,562, Oct. 7.
Automotive power drive control system and mechanism. G. T. Randol. 2,599,525, June 3.
Automotive power drive control system and mechanism. G. T. Randol. 2,604,963, July 29.
Automotive power drive control system and mechanism. G. T. Randol. 2,612,247, Sept. 30.
Automotive power plant with air preheater and reverse axial flow through combustion chamber to power and compressor turbines. J. R. McVeigh. 2,587,057, Feb. 26.
Automotive power transmission control. G. T. Randol. 2,610,521, Sept. 16.
Automotive power-transmitting system and mechanism. G. T. Randol. 2,597,840, May 20.
Automotive pressure carburetor. A. W. Orr, Jr. 2,596,429, May 13.
Automotive trailer hitch. R. H. Samdahl. 2,614,860, Oct. 21.
Automotive transmission and control system therefor. L. B. Forman. 2,620,680, Dec. 9.
Automotive transmission control. G. T. Randol. 2,617,310, Nov. 11.
Automotive transmission control. G. T. Randol. 2,617,316, Nov. 11.
Automotive truck body flexible closure. J. Dellapent. 2,612,221, Sept. 30.
Automotive variable-drive power transmission. G. T. Randol. 2,610,535, Nov. 4.
Automotive variable-speed and drive power transmission. G. T. Randol. 2,585,964, Feb. 19.
Automotive vehicle adapted to be airborne. T. P. Hall. 2,619,184, Nov. 25.
Automotive welting. L. S. Lewis. 2,616,723, Nov. 4.
Auxiliary adjustable pot handle. C. D. Budelman. 2,609,563, Sept. 9.
Auxiliary air inlet for internal-combustion engines. H. N. Eriskin. 2,580,902, Jan. 1.
Auxiliary air supplying device for internal-combustion engines. F. Boyan. 2,602,435, July 8.
Auxiliary camera break-in for television transmission systems. E. S. Purington and J. H. Hammond, Jr. 2,585,034, Feb. 12.
Auxiliary contact construction for load interrupter switches. J. J. Kojis. 2,613,291, Oct. 7.
Auxiliary contact device for electric contactors. D. Ellis. 2,583,139, Jan. 22.
Auxiliary device for unloading grain bins. L. B. Neighbour. 2,601,049, June 17.
Auxiliary elevator control apparatus. R. W. Raine and P. G. Sutker. 2,606,217, Aug. 5.
Auxiliary feeding means for hosiery seamers. J. A. Pons. 2,618,230, Nov. 18.
Auxiliary fluid supply valve. C. B. Pierce. 2,598,598, May 27.
Auxiliary fuel chamber. M. E. Chandler. 2,597,776, May 20.
Auxiliary furrow opener. F. E. Rohrer. 2,587,765, Mar. 4.
Auxiliary fuse-containing multiple outlet electrical connector. R. T. Shaul. 2,599,023, June 3.
Auxiliary gas lift for oil wells. H. J. Arnall. 2,612,117, Sept. 30.
Auxiliary grain separator for combines. F. A. Dion. 2,617,425, Nov. 11.
Auxiliary mass and viscose damping for free and self-excited vibrations. B. E. O'Connor. 2,584,222, Feb. 5.
Auxiliary mattress pad. R. Weston. 2,606,330, Aug. 12.
Auxiliary optical device for phase microscopes. L. Franceschini. 2,588,105, Mar. 4.
Auxiliary rotor for tiller gear casings. C. W. Kelsey. 2,586,542, Feb. 19.
Auxiliary speed control mechanism for knitting machines. P. W. Bristow. 2,587,816, Mar. 4.
Auxiliary spring suspension. C. A. Tea. 2,580,975, Jan. 1.
Auxiliary tens-transfer control mechanism. G. W. Hopkins and J. E. Grobl. 2,597,488, May 20.
Auxiliary tens-transfer control mechanism. A. B. Machado and G. Plunkett. 2,597,507, May 20.
Auxiliary tens-transfer mechanism. G. C. Ellerbeck. 2,597,463, May 20.
Auxiliary tens transfer mechanism. G. W. Hopkins and J. E. Grobl. 2,597,487, May 20.
Auxiliary thrust means for jet-propelled aircraft. R. J. Imbert and R. Anxionnaz. 2,610,465, Sept. 16.
Auxiliary transmission mechanism for milling machines. C. A. Boehm. 2,622,454, Dec. 23.
Auxiliary trigger mechanism for firearms. C. E. Simpson. 2,607,148, Aug. 19.
Auxiliary vehicle frame. R. W. Knight. 2,617,572, Nov. 11.
Average speed indicator. E. M. and C. J. L. M. Gourbeyre. 2,623,690, Dec. 30.
Average speed indicator. R. M. Nardone. 2,620,975, Dec. 9.
Avoiding effect of moisture during high-frequency dielectric heating. G. T. Hart. 2,592,691, Apr. 15.
Awning. D. M. Carpenter and W. L. Wells. 2,604,158, July 22.
Awning. A. Chrosnik. 2,597,225, May 20.
Awning. J. A. Jones. 2,613,404, Oct. 14.
Awning. J. F. Kramer. 2,592,579, Apr. 15.
Awning. G. G. Owen. 2,584,609, Feb. 5.
Awning. F. M. Powers. 2,620,025, Dec. 2.
Awning. C. F. Stinnett. 2,614,300, Oct. 21.
Awning. O. S. Zack. 2,591,758, Apr. 8.
Awning, Canopy. J. B. Niles. 2,595,094, Apr. 29.
Awning, Collapsible. F. E. Nelson. 2,612,219, Sept. 30.
Awning construction. R. A. Childers and C. C. Miller. 2,618,030, Nov. 18.
Awning construction. H. M. Helt. 2,598,691, June 3.
Awning construction. C. F. Langley, E. L. Little, and J. M. Tomblin. 2,619,692, Dec. 2.
Awning display rack. I. J. Wilson. 2,606,381, Aug. 12.
Awning, Foldable metal. N. L. Etten. 2,600,228-30, June 10.
Awning, Folding side and top. N. L. Etten. 2,600,227, June 10.
Awning for doors, windows, and similar openings. S. M. Zveibil. 2,581,827, Jan. 8.
Awning for trailers. L. B. Obenchain. 2,583,663, Jan. 29.
Awning for use on boats, beaches, and elsewhere, Adjustable. C. G. Heisig. 2,618,283, Nov. 18.
Awning hanger structure. L. D. Graham. 2,597,633, May 20.
Awning, Metal. J. R. Bottom. 2,619,691, Dec. 2.
Awning, Metal. L. J. Glym. 2,583,878, Jan. 29.
Awning, Metal. C. F. Markle. 2,585,147, Feb. 12.
Awning or canopy. E. A. Lowe. 2,614,299, Oct. 21.
Awning or jalousie. O. O. McKinley. 2,582,448, Jan. 15.
Awning or sunshield structure for automobile windows, Demountable. E. Weisker. 2,594,238, Apr. 22.
Awning, Removable slat metal. J. R. Clark and C. T. Flavin. 2,607,089, Aug. 19.
Awning, Rigid. F. W. Hughes. 2,586,337, Feb. 19.
Awning, Rigid metal. M. D. and F. E. Moore. 2,611,157, Sept. 23.
Awning, Sectional. C. Hawla. 2,594,922, Apr. 29.
Awning, Shutter-type. H. W. Chalfant. 2,602,972, July 15.
Awning, Slatted. C. O. Larson. 2,605,520, Aug. 5.
Awning structure. F. Fields. 2,586,318, Feb. 19.
Awning structure. W. F. McDaniel. 2,583,701, Jan. 29.
Awning structure. R. R. Ross. 2,601,058, June 17.
Awning structure, Assembled. L. M. Kendall. 2,602,199, July 8.

Awning structure, Metal. D. A. Elliott. 2,588,708, Mar. 11.
Awning supporting plate and adjustable wall bracket. E. P. D'Azzo. 2,596,658, May 13.
Awning, Trailer. F. L. Struben and J. W. Fyle, Jr. 2,618,820, Nov. 25.
Awning type window. H. R. Broleman, Jr. 2,620,523, Dec. 9.
Awning type window. H. W. Thomas. 2,622,672, Dec. 23.
Awning, Vented. J. Corn. 2,618,821, Nov. 25.
Awning, Ventilated. D. Kramer and O. H. Stapp. 2,611,935, Sept. 30.
Awning, Ventilated metal. C. A. Alcorn. 2,602,200, July 8.
Awning, Ventilated metal. M. Rives. 2,605,521, Aug. 5.
Awning, Ventilated metal. G. P. Robinson. 2,591,610, Apr. 1.
Awning, Ventilated rigid. F. Langbein. 2,596,934, May 13.
Axial flow blower. M. L. Maltz. 2,618,432, Nov. 18.
Axial flow compressor. R. Anxionnaz and R. J. Imbert. 2,613,869, Oct. 14.
Axial flow compressor. A. Howard. 2,610,786, Sept. 16.
Axial flow compressor. F. Schaer. 2,619,279, Nov. 25.
Axial flow compressor, particularly for combustion gas turbine plants. A. Meyer. 2,599,470, June 3.
Axial flow compressor regulation. G. L. Wilde. 2,613,029, Oct. 7.
Axial flow fan with yieldingly centered fan element. H. F. Minnis. 2,621,849, Dec. 16.
Axial flow turbine oil line flow indicator. R. Rubenstein and S. I. Groban. 2,599,201, June 3.
Axial impact type tang break-off tool. J. O. Forster. 2,594,901, Apr. 29.
Axial spacer for transformer windings, Two-part. O. M. Olivier. 2,622,135, Dec. 16.
Axially and angularly adjustable straight beam clamp. M. Zabich. 2,581,317, Jan. 1.
Axially collapsing type tire removing hand tool. C. H. Honeycutt. 2,582,869, Jan. 15.
Axially movable rotary plug. G. P. Bridgefield. 2,612,341, Sept. 30.
Axially movable rotary valve. G. D. Shaeffer. 2,620,155, Dec. 2.
Axially movable rotary valve. I. M. White, and D. P. Billings. 2,617,622, Nov. 11.
Axially offset, motor operated, impact-type wrench. G. B. Larson and F. A. Kaman. 2,581,033, Jan. 1.
Axially shifting type hydraulically operable tire remover. E. A. Zang. 2,612,214, Sept. 30.
Axially tightening clamp. C. E. Christophersen. 2,616,644, Nov. 4.
Axis converter. I. H. Gerks. 2,599,381, June 3.
Axle, Adjustable. C. A. Gustafson. 2,603,504, July 15.
Axle alignment gauge. F. Zenz, Sr. 2,619,731, Dec. 2.
Axle construction. G. C. Vanderberg. 2,611,656, Sept. 23.
Axle construction, Roller-bearing railway car. R. E. Horger. 2,607,638, Aug. 19.
Axle drive. E. Wildhaber. 2,609,711, Sept. 9.
Axle for row crop tractors, Adjustable front. O. C. Kent. 2,604,332, July 22.
Axle housing brace assembly. W. Van Der Wilt. 2,602,007, July 1.
Axle, Railway car. F. S. Williams. 2,582,516, Jan. 15.
Axle, Removable head. C. F. Pearson. 2,584,610, Feb. 5.
Axle suspension for tandem axle vehicles, Torsion-type. F. W. Avila. 2,613,954, Oct. 14.
Axonometric drawing device. H. M. Edmunds. 2,615,251, Oct. 28.
Azeo-extractive distillation. J. H. Boyd. 2,609,333, Sept. 2.
Azeotropic dehydration of aqueous chloral mixtures. J. F. Mahoney and E. Pierson. 2,584,036, Jan. 29.
Azeotropic distillation of halo-olefins. A. C. Nixon. 2,604,439, July 22.
Azeotropic distillation of ketone-containing alcohols. V. F. Michael. 2,617,757, Nov. 11.
Azeotropic distillation of methanol and acetone with hexane. S. E. Forman. 2,581,789, Jan. 8.
Azeotropic distillation of propionamide. W. M. Bruner and E. T. Darden. 2,609,336, Sept. 2.
Azeotropic distillation process for preparing pure, crystalline penicillin salts. E. B. Hodge. 2,602,045, July 1.
Azide modified fuels and lubricants. S. Shappirio. 2,587,581, Mar. 4.
Azine dye images, Preparation of. R. C. Gunther and V. Tulagin. 2,596,926, May 13.
Azo dyestuff. E. Moser. 2,590,639–40, Mar. 25.
Azo dyestuff derivatives and making same. C. Graenacher and H. Bruengger. 2,595,571, May 6.
Azo dyestuffs. W. Anderau. 2,617,797, Nov. 11.
Azo dyestuffs. W. Mueller and M. Schmid. 2,617,798, Nov. 11.
Azo dyestuffs. R. Neier and W. Wehrli. 2,589,955, Mar. 18.
Azo dyestuffs. V. S. Salvin and J. R. Adams, Jr. 2,606,898, Aug. 12.
Azo dyestuffs. M. Schmid, J. Danuser, H. Johner, E. Moser, and J. Wuergler. 2,591,470, Apr. 1.
Azo-dyestuffs. M. Schmid and E. Moser. 2,583,519 Jan. 22.
Azo dyestuffs and making same. E. Iselin and W. Wehrli. 2,598,126, May 27.
Azonitriles containing tertiary amino substituents. J. R. Johnson. 2,605,260, July 29.
Baby bathing stand. M. D. Rechler. 2,581,883, Jan. 8.
Baby bed, Collapsible. T. W. Schettler, Jr. 2,607,930, Aug. 26.
Baby bouncer and baby carriage, Combination. J. A. Woods. 2,586,495, Feb. 19.
Baby bunting bath set. H. C. Loretto. 2,621,331, Dec. 16.
Baby carriage and stroller, Convertible. W. L. Raucher. Re. 23,488, Apr. 29.
Baby carriage, Convertible. R. C. Heideman. 2,616,719, Nov. 4.
Baby carriage, Folding. W. Lines. 2,607,605, Aug. 19.
Baby carrier and utility bag, Combination. J. W. Phillips. 2,597,948, May 27.
Baby cart and automobile, Convertible. C. B. Stambaugh, Jr. 2,607,396, Aug. 19.
Baby cart, Collapsible. K. A. Bevington. 2,600,611, June 17.
Baby chair. E. H. and C. M. Clairmonte. 2,599,610, June 10.
Baby crib, Portable. K. H. Opie. 2,594,677, Apr. 29.
Baby crib, Portable folding. J. M. Hausner, Jr. 2,589,805, Mar. 18.
Baby safety and teething biscuit. C. Genjack. 2,604,404, July 22.
Baby stroller, Foldable. R. C. Heideman. 2,616,718, Nov. 4.
Baby supply cabinet. N. B. Doerr. 2,584,435, Feb. 5.
Baby teething device, Sanitary and safe. A. B. Johnson. 2,595,462, May 6.
Baby walker. F. H. Ford. 2,620,017, Dec. 2.
Baby walker. C. C. Stack. 2,609,030, Sept. 2.
Baby walker and stroller, Combination. T. J. Beurskens. 2,606,593, Aug. 12.
Baby walker, Upright. H. E. Fox. 2,588,104, Mar. 4.
Back and headrest, Combined. L. W. Martin. 2,589,013, Mar. 11.
Back and headrest, Traveler's. R. Dabbs and J. M. Burwell. 2,605,818, Aug. 5.
Backfire trap. O. A. Carnahan. 2,613,144, Oct. 7.
Backflow prevention device. D. G. Griswold. 2,620,816, Dec. 9.
Backlash eliminating device. E. E. Franz. 2,582,690, Jan. 15.
Backlash eliminator for fishing reels. M. Kadets and V. N. Moody. 2,608,358, Aug. 26.
Backlash stopper for fishing reels. W. S. Torrence. 2,600,930, June 17.
Backlash take-up device. M. P. Rokos. 2,610,519, Sept. 16.
Back-pressure valve. G. W. Winberg. 2,598,630, May 27.
Back rest, Adjustable. H. H. Elchorst. 2,585,447, Feb. 12.
Back rest for chairs. J. S. Burdick. 2,610,671, Sept. 16.
Backrest for grinding machines. M. I. Mathewson. 2,612,014, Sept. 30.
Back rest for seats and chairs, Hydraulically controlled adjustable. H. M. McFadden. 2,581,197, Jan. 1.
Backrest for toilet seats. L. B. Farrell. 2,582,321, Jan. 15.
Back rest, Portable. H. E. Dawkins and S. T. Dodin. 2,612,938, Oct. 7.
Back-spacing device for dictating machines. B. Roberts. 2,581,499, Jan. 8.
Backspacing mechanism. C. L. Bossmeyer. 2,613,938, Oct. 14.
Backsplashers for electric ranges, Illuminated. H. E. Ackemann. 2,609,476, Sept. 2.
Backsplashers for electric ranges, Illuminated. R. C. Sandin and T. M. Steinbach. 2,609,475, Sept. 2.
Back stand for rolls of paper. B. E. Prevost. 2,599,720, June 10.
Backstay and sheet for sailing vessels, Combination. H. M. Dobbins. 2,615,417, Oct. 28.
Backstop mechanism for bowling pin spotting machines. R. E. Rundell. 2,609,200, Sept. 2.
Back supporting device, Portable. G. E. Witz. 2,607,400, Aug. 19.
Backup device for welding, brazing, or soldering operation. H. E. White. 2,584,072, Jan. 29.
Backwater valve. S. Welsman. 2,588,188, Mar. 4.
Backing clamp for trailers. W. C. Anderson and S. L. Dewey. 2,613,946, Oct. 14.
Backing for dental restorations. J. E. Clark. 2,617,194, Nov. 11.
Backing plate for strainers. A. D. Rutherford, Jr. 2,593,198, Apr. 15.
Backing sheet for use in preparing manifold copies. F. S. Cooper. 2,621,945, Dec. 16.
Bactericidal and fungicidal composition. F. E. Lawlor and F. Casciani. 2,615,823, Oct. 28.
Bacteriostatic and fungicidal solution for retarding deterioration and decomposition of organic matter and using the same. L. Frandsen. 2,622,032, Dec. 16.
Badge. J. R. Hubbard. 2,609,629, Sept. 9.
Badge clip. L. J. Komorous. 2,618,086, Nov. 18.
Baffle construction for oil bath filters. R. G. Hanneman and J. K. Brixius. 2,596,148, May 13.
Baffle for air ducts of generator coolers. W. M. Kennedy. 2,618,133, Nov. 18.
Baffle for tube assemblies. L. J. Weber. 2,586,408, Feb. 19.

Baffle structure for refrigerators. C. R. Quinn. 2,604,762, July 29.
Bag: *See*—
Biased bulling bag.
Bowling ball bag.
Cooky bag.
Cotton picker's bag.
Detachable-label bag.
Elastic closure fruit bag.
Extendible and collapsible filter bag.
Floating fish bag.
Folded bag
Fruit picker's bag.
Garment bag.
Garment checking bag.
Garment protecting bag.
Golf bag.
Labeled open-mesh bag.
Lockable bag.
Mothproof garment bag.
Mothproofing resistant plastic garment bag.
Multiply window bag.
Perforated multiple ply bag.
Picking bag.
Shopping bag.
Sleeping bag.
Suction cleaner bag.
Syringe bag.
Vacuum cleaner dust bag.
Wardrobe type foldable luggage bag.
Washing bag.
Wheeled shopping bag.
Bag. C. V. Brady. 2,616,468, Nov. 4.
Bag. J. F. Doyle. 2,597,305, May 20.
Bag. S. G. Yount. 2,581,826, Jan. 8.
Bag bottom, Siftproof. M. E. Craig. 2,600,487, June 17.
Bag bottom structure. H. E. McCrery and A. E. Jesser. 2,599,567, June 10.
Bag closing device. N. P. Priamos. 2,623,665, Dec. 30.
Bag closure. F. Ahlburg. 2,598,334, May 27.
Bag closure. C. V. Brady and A. F. Ottinger. 2,615,488, Oct. 28.
Bag closure. A. E. Schenck. 2,582,286, Jan. 15.
Bag closure apparatus. R. E. Pierce. 2,594,207, Apr. 22.
Bag closure for vacuum cleaners. E. P. Turner. 2,599,520, June 3.
Bag closure with label. E. Andersen. 2,620,120, Dec. 2.
Bag construction. D. Belcher. 2,605,040, July 29.
Bag construction. A. D. Hoeppner and R. D. Hayes. 2,620,842, Dec. 9.
Bag filler having an adjustably mounted pivot for bag engaging plate members. W. O. Poole. 2,584,497, Feb. 5.
Bag filling and weighing device. E. W. Vredenburg. 2,602,626, July 8.
Bag-filling device. R. W. E. Nash. 2,597,364, May 20.
Bag-filling device with vibratable bag support. A. Ackerman. 2,622,780, Dec. 23.
Bag filling machine. N. E. Dorrington, J. A. Dyker and W. R. Peterson. 2,613,053, Oct. 7.
Bag filling machine with movably mounted funnel closing member. R. E. Firestone. 2,623,671, Dec. 30.
Bag for bowling balls. L. A. Robinson. 2,580,958, Jan. 1.
Bag for separating dust from an air stream, Self-sealing. M. C. Dippel. 2,596,807, May 13.
Bag having independently accessible compartments, Traveling. K. L. Crosby. 2,585,745, Feb. 12.
Bag holding and packaging machine. C. B. McHale and E. H. Janssen. 2,619,271, Nov. 25.
Bagmaking apparatus. N. H. Nye, R. W. Penn, C. C. Ensinger, and C. H. Sorrick, Jr. 2,621,705, Dec. 16.
Bagmaking apparatus. A. G. Rose and J. A. Gilbert. 2,623,441, Dec. 30.
Bagmaking machine. E. T. Jaeger. 2,587,732, Mar. 4.
Bag opener for packaging machines. L. M. Haugen. 2,616,603, Nov. 4.
Bag opening and spreading mechanism. V. G. Williams. 2,601,480, June 24.
Bag opening machine with adjustably mounted bracket supported arms. R. K. Pottle. 2,608,332, Aug. 26.
Bag opening machine with upper and lower bag forming units. E. Hoffman. 2,608,331, Aug. 26.
Bag package with fork-lift handling means. B. E. Simonton. 2,609,923, Sept. 9.
Bag seal. W. R. Scott. 2,619,696, Dec. 2.
Bag sealer, Electrothermal. C. M. Williamson and E. D. Boisselier. 2,610,137, Sept. 9.
Bag sealing machine. A. E. Almgren and J. P. Jakob. 2,590,081, Mar. 25.
Bag sealing machine. A. E. Almgren, J. P. Jakob, and F. W. Goodrich. 2,590,082, Mar. 25.
Bag stringing machine, Industrial. E. E. West. 2,610,595, Sept. 16.
Bag support and handle for vacuum cleaners. E. D. Thornwald. 2,610,702, Sept. 16.
Bag supporting means for bag closing and sealing machines. H. V. Kindseth. 2,599,393, June 3.
Bag tubing machine, Multiply. M. Lienart. 2,581,801, Jan. 8.
Bag turner and labeler. W. W. George and J. F. Kolich. 2,607,506, Aug. 19.
Bag weighing and filling machine. W. R. Peterson. 2,610,020, Sept. 9.
Bag with coloring capsule. H. A. Rohdin. 2,605,896, Aug. 5.
Baggage handle. W. Finkelstein. 2,609,898, Sept. 9.
Bagged material reconditioning machine. C. D. Fox. 2,595,237, May 6.
Bagging apparatus. C. Miller. 2,603,443, July 15.
Ball construction. J. P. Ratigan. 2,616,747, Nov. 4.
Ball inserting machine. J. Henchert. 2,623,274, Dec. 30.
Ball out demand regulator. L. A. Wiggins. 2,583,502, Jan. 22.
Ball tensioning mechanism. P. P. Wuertz. 2,608,930, Sept. 2.
Bait bob. W. W. Van der Clute. 2,607,155, Aug. 19.
Bait carrier. L. D. Jones. 2,610,428, Sept. 16.
Bait casting device. R. T. Dewey. 2,584,678, Feb. 5.
Bait casting reel. F. S. Beeler. 2,590,369, Mar. 25.
Bait container. R. V. Allen. 2,600,826, June 17.
Bait container. R. Kranitz. 2,605,581, Aug. 5.
Bait for rodent traps. J. F. Sullivan. 2,595,019, Apr. 29.
Bait holder. C. L. Bodwell. 2,622,363, Dec. 23.
Bait holder. M. P. Chadwick. 2,605,579, Aug. 5.
Bait holder. C. C. Hoage. 2,588,526, Mar. 11.
Bait holder. R. F. Miner. 2,600,314, June 10.
Bait receptacle. K. M. Critser. 2,620,588, Dec. 9.
Bait rig. E. E. Hair, Jr. 2,604,716, July 29.
Bake pan unit. J. L. Darnell. 2,589,605, Mar. 18.
Bake pan unit. J. L. Darnell and E. M. Cormack. 2,609,959, Sept. 9.
Baked confection and mold for same. C. A. Krens. 2,589,823, Mar. 18.
Bakers' cheese, Manufacture of. M. M. Kloser, T. L. Kimball, and O. J. Schrenk. 2,586,830, Feb. 26.
Baker's rack. F. B. Evers. 2,622,740, Dec. 23.
Bakery products and process thereof, Packaged. M. R. Coe. 2,600,093, June 10.
Baking. B. Ames. 2,621,616, Dec. 16.
Baking chamber. J. Henry. 2,600,294, June 10.
Baking oven loading apparatus. A. A. Holbeck. 2,596,404, May 13.
Balance. J. H. Eagle. 2,582,017, Jan. 8.
Balance control for metal detection and inspection equipment. B. R. Gossick. 2,598,252, May 27.
Balance controls for metal detectors. D. J. Tricebock and R. A. York. 2,609,530, Sept. 2.
Balance reel. K. C. Bugg and H. L. Hart. 2,596,648, May 13.
Balance testing machine. R. J. Lannen. 2,600,888, June 17.
Balance testing machine rotor mounting. C. H. Phelps. 2,594,581, Apr. 29.
Balanceable network electric measuring system. A. J. Hornfeck. 2,612,628, Sept. 30.
Balanced burnishing wheel for distributing burnishing materials on boots and shoes. V. Colangelo. 2,602,174, July 8.
Balanced control surface. G. R. Mellinger. 2,603,436, July 15.
Balanced cotter. A. Coquille. 2,623,765, Dec. 30.
Balanced duplexer. H. J. Riblet. 2,586,993, Feb. 26.
Balanced electronic inverter. J. D. Eisler and R. E. Hartline. 2,585,377, Feb. 12.
Balanced fluid pressure regulating valve. C. A. Norgren. 2,599,577, June 10.
Balanced mechanism for driving films. A. V. L. C. Debrie. 2,619,006, Nov. 25.
Balanced modulator. D. G. Holloway. 2,600,873, June 17.
Balanced motion converting mechanism. A. Kaufmann. 2,595,464, May 6.
Balanced parabolic modulator. E. J. Drazy. 2,602,919, July 8.
Balanced phase detector. W. J. Gruen. 2,598,370, May 27.
Balanced resistance type temperature control apparatus. E. W. Werts. 2,620,135, Dec. 2.
Balanced self-compensating photosensitive control. L. A. King. 2,621,300, Dec. 9.
Balanced three-way valve. E. E. Modes. 2,601,989, July 1.
Balanced turbodrill. L. Yost. 2,591,488, Apr. 1.
Balancing mechanism for pressure logs. E. M. Osterman. 2,581,811, Jan. 8.
Balancing ring material consisting of solutions of polystyrene in tetrabromoethene. T. R. Smith. 2,613,197, Oct. 7.
Balancing wheel-tire assemblies, Means for. J. Lencki. 2,585,140, Feb. 12.
Balancing wheels. P. L. Loewe. 2,585,802, Feb. 12.
Bale case extension for agricultural balers. A. B. Skromme. 2,596,872, May 13.
Bale conveyer for rotary baler. F. J. and M. L. McAlpine, and R. E. L. Aldrich, Jr. 2,589,837, Mar. 18.
Bale ejector. C. Reichert. 2,590,649, Mar. 25.
Bale loader. M. R. Haase. 2,593,023, Apr. 15.
Bale loader. W. E. Ryan. 2,594,221, Apr. 22.
Bale loader with wide pickup means. M. E. McClellan. 2,612,979, Oct. 7.
Bale loading attachment for balers. L. E. and T. M. Bruns. 2,613,591, Oct. 14.
Bale loading machine. E. H. Appel. 2,597,219–20, May 20.
Bale-loading machine. S. T. Steffen. 2,600,028, June 10.
Bale stacking and unstacking machine. M. A. Rowe. 2,587,769, Mar. 4.
Bale tension means. W. H. Graybill. 2,613,590, Oct. 14.
Bale tie tightening apparatus. W. R. Ebnle. 2,620,159, Dec. 2.
Baled hay loader. F. B. Williams. 2,580,633, Jan. 1.
Baled straw shredder. E. U. Whitacre. 2,590,056, Mar. 18.
Baler. J. H. Berry. 2,620,724, Dec. 9.
Baler. E. H. St. Onge. 2,586,736, Feb. 19.
Baler, Rotary. H. Kolzing. 2,581,542, Jan. 8.
Baling hook. B. O. Dotterer. 2,583,091, Jan. 22.
Baling machine. R. E. Wallace and T. R. Sykes. 2,581,776, Jan. 8.
Baling press. G. B. Hill. 2,622,508, Dec. 23.

Ball and cap, Combined. L. A. O'Hare. 2,621,334, Dec. 16.
Ball and making it. H. T. Winterbauer. 2,609,202, Sept. 2.
Ball and socket coupling. M. E. Smith. 2,605,115, July 29.
Ball and socket mounting for mirrors and the like. J. M. Bindley. 2,615,368, Oct. 28.
Ball bearing. C. A. Adams. 2,614,898, Oct. 21.
Ball bearing. R. Bajulaz. 2,599,969, June 10.
Ball bearing. W. O. Baker and F. H. Winslow. 2,609,256, Sept. 2.
Ball-bearing assembly. H. Lebensfeld. 2,592,811, Apr. 15.
Ball bearing for cone-shaped journals of shafts. O. Tschudin. 2,622,948, Dec. 23.
Ball-bearing screw restraining mechanism. F. Terdina. 2,623,403, Dec. 30.
Ball bearing slide structure. A. Johnson. 2,622,940, Dec. 23.
Ball bearing swing hanger. I. C. Stroth. 2,584,757, Feb. 5.
Ball bearing textile spindle. L. E. Keene. 2,611,231, Sept. 23.
Ball blocking device for inclined runways. L. A. Durant. 2,618,485, Nov. 18.
Ball, Bowling. J. A. Juza. 2,593,565, Apr. 22.
Ball cleaning and polishing apparatus. L. M. Fleming. 2,588,714, Mar. 11.
Ball cock. J. J. Delany and E. C. Baisel. 2,587,032, Feb. 26.
Ball cock. E. W. Hill. 2,601,139, June 17.
Ball cock reseating tool. A. W. Delekto. 2,593,013, Apr. 15.
Ball cock, Silent. R. H. Hunter. 2,588,242, Mar. 4.
Ball cock valve. H. D. Clemmons. 2,595,766, May 6.
Ball-dispensing attachment for pool tables. D. F. Price. 2,588,871, Mar. 11.
Ball game device. O. M. Monkres. 2,614,840, Oct. 21.
Ball game switch. D. E. Hooker and R. H. Breither. 2,610,277, Sept. 9.
Ball game with collapsible target. A. E. Elstetter. 2,595,649, May 6.
Ball hurling device for simulated bowling. M. Huber. 2,610,618, Sept. 16.
Ball initialing machine. C. D. Smith. 2,593,212, Apr. 15.
Ball joint. J. H. Booth. 2,614,873, Oct. 21.
Ball lifting apparatus, Bowling. M. Patterson. 2,590,644, Mar. 25.
Ball marker. J. H. Hochman. 2,616,368, Nov. 4.
Ball nut. H. Hawkins. 2,581,482, Jan. 8.
Ball-peening and cleaning shot. R. Schneidewind. 2,611,690, Sept. 23.
Ball pitching and catching device. H. G. Atwell. 2,585,989, Feb. 19.
Ball-point pen and cap. F. V. Silver. 2,594,083, Apr. 22.
Ball reprojector, Oscillating. D. E. Hooker. 2,610,058, Sept. 9.
Ball retarder for bowling alleys. J. Rodock. 2,586,718, Feb. 19.
Ball return and projecting mechanism for amusement game apparatuses. H. E. Williams. 2,584,956, Feb. 5.
Ball staking machine for pen tips. F. Ferber. 2,609,774, Sept. 9.
Ball transfer means. O. Sloan and A. M. Klarich. 2,620,078, Dec. 2.
Baller. P. B. West. 2,600,037, June 10.
Balling gun. C. N. Mitchell. 2,587,364, Feb. 26.
Balling of yarns and the like. F. Osborne. 2,617,601, Nov. 11.
Ballast for traction wheels, Detachable. W. H. Roloff. 2,606,075, Aug. 5.
Ballast spreader. R. Kershaw. 2,583,378, Jan. 22.
Ballast tamping apparatus. S. R. Hursh and C. J. Reigh. 2,587,324, Feb. 26.
Ballasting system for locomotives. C. K. Steins. 2,611,325, Sept. 23.
Balloon and its manufacture, Variable volume. W. F. Huch. 2,612,328, Sept. 30.
Balloon cap and its manufacture. W. F. Huch and R. I. Hakomaki. 2,602,609, July 8.
Balloon controlling device. M. D. Rodgers. 2,603,938, July 22.
Balloon inflating valve. A. J. Annis. 2,617,624, Nov. 11.
Balloon with no load ring. W. F. Huch. 2,598,696, June 3.
Balloons, Making. V. Vaisälä. 2,614,293, Oct. 21.
Band brake. R. F. Gamundi. 2,596,544, May 13.
Bandcutter sharpening machine. J. Hexter and W. E. Lanham. 2,580,778, Jan. 1.
Band for garments. H. Hardie. 2,619,648, Dec. 2.
Band-pass filter network. D. G. C. Hare. 2,584,386, Feb. 5.
Bandpass network, Electrical. W. M. Allison. 2,599,508, June 3.
Band pass voltage multiplier network for pulsed power supplies. A. W. Friend. 2,621,302, Dec. 9.
Band-saw type loaf cutting machine. J. Ratti. 2,605,799, Aug. 5.
Band track. R. W Smith. 2,596,919, May 13.
Bandage for a hernia of the groin, Adjustable. W. A. Blegen. 2,618,260, Nov. 18.
Banded pressure vessels, Making. C. H. Gay. 2,585,237, Feb. 12.
Banding machine. J. H. Holstein. 2,623,673, Dec. 30.
Banding machine. C. W. Sackett. 2,597,675, May 20.
Banding machine. E. C. Sloan. 2,581,724, Jan. 8.
Bank aid. W. E. Niswander. 2,619,144, Nov. 25.
Bank, Coin. F. Damiano. 2,581,004, Jan. 1.
Bank, coin controlled gun vender, and game, Combined. M. S. Leaf. 2,606,088, Aug. 5.
Bank, Singing-talking. J. J. Byrne. 2,588,958, Mar. 11.
Bar: *See*—
Abrasive lime bar.
Adjustable handle bar.
Adjustable supporting bar.
Angle post tie bar.
Antisway bar.
Center stripe spray bar.
Collapsible tractor tow bar.
Composite detergent bar.
Conveyer carrier bar.
Grate bar.
Home bar.
Intramedullary bar.
Liquid gauge bar.
Outboard motor steering bar.
Outdoor clothes bar.
Rotating cutter bar.
Shock absorbing tow bar.
Solder bar.
Tow bar.
Twisted reinforcing bar.
Type bar.
Bar accessory having a siphon for dispensing a predetermined quantity of liquid. J. O. Evans, Jr. 2,589,068, Mar. 11.
Bar actuating mechanism for typewriters, Spring powered type. L. Yutang. 2,590,594, Mar. 25.
Bar feed means. G. O. Gridley. 2,618,842, Nov. 25.
Bar feed vibration dampener. B. C. Harney. 2,608,746, Sept. 2.
Bar feeder. B. Gray and G. S. Cleghorn. 2,609,107, Sept. 2.
Bar for masonry saws, Combination connecting and stabilizing. H. J. Wright. 2,581,777, Jan. 8.
Bar for window washers, Safety. N. C. Talbott. 2,583,613, Jan. 29.
Bar gripper means for stretching presses. T. B. Hawkes. 2,596,772, May 13.
Bar gulding device for automatic lathes. A. Bechler, A. Allenbach, and A. Bueche. 2,619,712, Dec. 2.
Bar manipulator mechanism. L. W. Young. 2,621,805, Dec. 16.
Bar miller. T. S. See and H. A. Frommelt. 2,592,606, Apr. 15.
Bar mounting. O. E. Stelzer. 2,589,516, Mar. 18.
Bar stock feeding mechanism. S. F. Winchell. 2,602,213, July 8.
Barred roll drive. R. L. Sjostrom. 2,612,987, Oct. 7.
Barbecue and cooking stand. B. Walker. 2,604,884, July 29.
Barbecue pit. Z. A. Hughes. 2,591,072, Apr. 1.
Barbecue rack. V. Thompson. 2,616,360, Nov. 4.
Barbecue unit. C. M. Ellis. 2,608,149, Aug. 26.
Barbecuing machine. J. M. Skocic. 2,590,470, Mar. 25.
Barber unit. E. A. Alloway. 2,602,485, July 8.
Barber's auxiliary seat. B. Klein and C. G. Hoberg. 2,600,547, June 17.
Barber's rest, Swinging auxiliary. S. C. Butz. 2,595,921, May 6.
Barge. E. T. Strom 2,617,683, Nov. 11.
Barge, Cargo. E. B. Hudson. 2,594,930, Apr. 29.
Barge or buoy, Mooring. I. W. Alcorn. 2,604,866, July 29.
Barge, Sectional. W. W. Smith. 2,605,733, Aug. 5.
Barium mesotrisilicate phosphor. K. H. Butler. 2,587,592, Mar. 4.
Barium silicate phosphor, Preparing. H. C. Froelich. 2,597,631, May 20.
Bark back and attachment for holding a spray bottle. A. A. Murphy. 2,591,716, Apr. 8.
Bark-removing apparatus comprising rotor and stationary cage. J. R. Clark and S. M. Adams. 2,599,090, June 3.
Bark-removing machine having horizontally and vertically guided cutter. W. J. Watts and F. B. Cadman. 2,596,187, May 13.
Barking drum. F. A. Mertz and R. S. Walker. 2,592,054, Apr. 8.
Barn cleaner. A. W., F. W., and M. J. Coggins. 2,621,773, Dec. 16.
Barn cleaner. W. E. and M. R. Hedlund. 2,621,776, Dec. 16.
Barn gutter cleaner. H. H. Johanning. 2,582,335, Jan. 15.
Barn gutter cleaner. H. O. Petraske. 2,593,340, Apr. 15.
Barometer preheater. C. G. Dahm, and D. H. Clewell. 2,617,305, Nov. 11.
Barrel bedding device for rifles. L. S. Weld. 2,589,912, Mar. 18.
Barrel construction for firearms. E. H. Waltke, Jr. 2,587,937, Mar. 4.
Barrel engine. E. S. Hall. 2,583,564, Jan. 29.
Barrel hoop. C. C. Stuewe. 2,583,190, Jan. 22.
Barrel lifter. T. C. Schneider. 2,605,128, July 29.
Barrel stacking device. J. C. Weaver. 2,611,495, Sept. 23.
Barrel supporting and cooling device. C. G. Minor. 2,622,851, Dec. 23.
Barrel transporting device. H. S. Houser. 2,614,711, Oct. 21.
Barrels, Making. W. E. Hamacher. 2,593,753, Apr. 22.
Barrette. C. C. Holden. 2,599,016, June 10.
Barrette. N. L. Solomon and I. W. Schaef, Jr. 2,594,230, Apr. 22.

Barrette. A. J. Struppe. 2,618,278, Nov. 18.
Barrier grid storage tube. A. S. Jensen. 2,598,919, June 3.
Barrier nonreflectant to incident electromagnetic waves. E. B. Moullin. 2,594,971, Apr. 29.
Barrow attachment for lawn mowers. A. W. Bachman. 2,589,325, Mar. 18.
Bascule bridge lock. H. H. Gilbert. 2,610,341, Sept. 16.
Base and oil reservoir for sewing machines. W. J. Peets. 2,604,865, July 29.
Base assembling apparatus. E. C. Taylor, C. G. Holland, and M. F. Cunha. 2,608,317, Aug. 26.
Baseball and miniature golf apparatus. P. W. Chiodo. 2,618,483, Nov. 18.
Base catalyzed polymerizations. O. H. Bullitt, Jr. 2,608,555, Aug. 26.
Base coated with a high styrene-butadiene copolymer. A. M. Borders. 2,611,719, Sept. 23.
Base construction for dispensers. F. E. Sanborn. 2,584,927, Feb. 5.
Base electrodes for semiconductor devices. H. B. Law. 2,609,428, Sept. 2.
Base for antenna masts, Adjustable. H. O. Landis. 2,611,566, Sept. 23.
Base for automobile jacks, Folding. H. C. Eckels. 2,580,743, Jan. 1.
Base for boring machines, Adjustable. E. A. Arp. 2,604,284, July 22.
Base for cigarette lighters or similar articles. J. Jacques and W. J. Reilly. 2,622,755, Dec. 23.
Base for cover-type annealing furnace with external means for circulating and cooling atmosphere gases. H. J. Pugsley. 2,591,097, Apr. 1.
Base for drinking glasses, Nontoppling. J. J. Hacus. 2,601,279, June 24.
Base for motion-picture projectors. F. Lustig. 2,585,258, Feb. 12.
Base for motors. J. J. Byrnes. 2,595,637, May 6.
Base for portable domestic ovens. E. A. Kraemer and L. E. Finch. 2,599,923, June 10.
Base for supporting and puncturing a fluid container and means to withdraw the fluid from said container. E. P. Sundholn. 2,584,167, Feb. 5.
Base for toy figures, Detachable. C. R. White. 2,621,010, Dec. 9.
Base for trunks, Turntable. J. Luft. 2,605,989, Aug. 5.
Base former. A. J. Shippey. 2,598,194, May 27.
Base or pedestal for chairs. H. A. Penchoen. 2,587,886, Mar. 4.
Base stand. T. L. Greenwood. 2,592,561, Apr. 15.
Base with meat carving facilities. Z. T. Perdue, Jr. 2,620,003, Dec. 2.
Basic aluminum salts of alpha amino acids, Preparation of. G. S. Delmar. 2,588,090, Mar. 4.
Basic catalysis of the polymerization of acrylonitrile. O. H. Bullitt, Jr. 2,608,554, Aug. 26.
Basic dioxanes. F. F. Blicke. 2,606,907, Aug. 12.
Basic dioxanes. F. F. Blicke. 2,606,908, Aug. 12.
Basic esters and amides of 7-substituted-coumarin-4-acetic acids and salts and preparation. R. O. Clinton and S. C. Laskowski. 2,615,024, Oct. 21.
Basic esters of α,α-diaryl-α-alkoxy-acetic acids, Manufacture of. R. Hirt. 2,598,542, May 27.
Basic esters of substituted benzoylaliphatic acids and salts thereof. R. R. Burtner. 2,589,224, Mar. 18.
Basic esters of 2,3-di (4-alkoxyphenyl)-2-hydroxypropanoic acid. G. R. Treves. 2,595,735, May 6.
Basic ether-substituted isoquinolines. G. E. Ullyot. 2,612,503, Sept. 30.
Basically substituted ethers of pyridyl carbinols. R. S. Shelton and C. H. Tilford. 2,606,192, Aug. 5.
Basket. J. T. Moore, Jr. 2,620,074, Dec. 2.
Basketball game apparatus. W. P. Keller. 2,617,653, Nov. 11.
Basketball goal construction, Foldable. S. Fox. 2,596,543, May 13.
Basket carrying carriage. H. I. Sides. 2,590,048, Mar. 18.
Basket, Cement. W. S. Althouse, Jr. 2,602,514, July 8.
Basket, Collapsible. C. C. Averill. 2,585,422, Feb. 12.
Basket, Collapsible wire. R. M. Koch. 2,604,288, July 22.
Basket, Draining. A. and O. Capra. 2,588,614, Mar. 11.
Basket, Folding. L. Greffe. 2,594,153, Apr. 22.
Basket for dish-washing machines. A. M. Von Brömsen, Jr. 2,622,757, Dec. 23.
Basket, Fruit. G. C. Holland. 2,584,350, Feb. 5.
Basket, Glass washing. A. Colonna. 2,586,005, Feb. 19.
Basket, Safety ladder. L. R. Sitek. 2,597,756, May 20.
Basket, Shoe. E. Ougheltree. 2,623,640, Dec. 30.
Basket, Stacking stock. J. P. Moorhead. 2,620,083, Dec. 2.
Basket-like device and making same. C. F. Mzik. 2,609,958, Sept. 9.
Bassinet and child's seat, Convertible. S. Linden. 2,586,237, Feb. 19.
Bassinet stroller and playpen, Combination. J. Elmer. 2,604,333, July 22.
Bat forming apparatus and method. C. G. Joa. 2,618,816, Nov. 25.
Batting machine. E. R. Overman. 2,610,688, Sept. 16.
Batch dielectric heating. T. P. Kinn. 2,616,025, Oct. 28.
Batch feeding apparatus. G. Ashton. 2,585,294, Feb. 12.
Bath fixture, Rectangular. M. M. Ocaña. 2,589,280, Mar. 18.
Bath mitt. V. Pierce. 2,595,882, May 6.
Bath sponge holder. H. L. Hawkins, Sr. 2,590,614, Mar. 25.
Bath table. D. E. Mulcahy. 2,602,167, July 8.
Bathtub and washtub, Combination. B. L. Archie, Jr. 2,580,638, Jan. 1.
Bathtub attachment for care of babies. C. H. Schmidt, Jr. 2,614,264, Oct. 21.
Bathtub curtain frame. N. Matos. 2,594,049, Apr. 22.
Bathtub head hammock. R. S. Moore. 2,604,637, July 29.
Bathtub, Hospital. A. A. Danielsen and A. P. Schleret. 2,603,796, July 22.
Bathtub seat. W. J. L. Parish. 2,588,562, Mar. 11.
Bathtub supporting bracket. C. J. Erickson and C. H. Johnson. 2,602,936, July 15.
Bathtub with contained shower curtain. M. L. Clark. 2,609,547, Sept. 9.
Bathing appliance, Infant's. C. T. De Puy. 2,607,925, Aug. 26.
Bathing cap. W. D. Timmons. 2,613,358, Oct. 14.
Bathing device for animals, Portable. H. P. Paris. 2,611,341, Sept. 23.
Bathing device, Infant's. B. H. Kennedy. 2,607,044, Aug. 19.
Bathythermograph pen lifting attachment. F. K. Eccles. 2,585,921, Feb. 19.
Baton having selectively illuminated section. J. W. Peters. 2,601,554, June 24.
Batten cleat protector. H. J. Moors. 2,597,945, May 27.
Batter dispenser. K. E. Bemis. 2,590,921, Apr. 1.
Battery. B. C. Roehrl. 2,590,824, Mar. 25.
Battery and cable carrier. L. Betz. 2,610,987, Sept. 16.
Battery assembly. H. C. Burns and H. D. Wilson. 2,603,671, July 15.
Battery cable connector. J. R. Gier, Jr. 2,623,085, Dec. 23.
Battery carrier. H. E. Simi. 2,607,433, Aug. 19.
Battery case. F. W. Schwinn. 2,582,072, Jan. 8.
Battery case and terminal post construction. J. E. White. 2,608,596, Aug. 26.
Battery casing. A. S. Vitale. 2,590,804, Mar. 25.
Battery cell inspecting and testing system. W. H. Radeke. 2,609,409, Sept. 2.
Battery charger. R. Swartz. 2,605,455, July 29.
Battery charging system. D. G. Ihrig. 2,621,317, Dec. 9
Battery charging system. D. H. Ransom and F. Banjamin. 2,607,910, Aug. 19.
Battery, Continuous diffusion. H. F. Silver. 2,604,417, July 22.
Battery, Deferred-action. J. N. Davis. 2,594,879, Apr. 29.
Battery, Dry. P. G. Bonin. 2,606,942, Aug. 12.
Battery filler. J. E. Huskey. 2,615,607, Oct. 28.
Battery, Galvanic. G. E. Booth. 2,593,252, Apr. 15.
Battery grid. H. C. Winkel. 2,621,219, Dec. 9.
Battery heater. W. Kerby. 2,611,853, Sept. 23.
Battery heating system. D. J. Carlson and H. T. Decot. 2,615,933, Oct. 28.
Battery hold-down. K. F. Pittman. 2,588,870, Mar. 11.
Battery holder. A. A. Galasso. 2,589,071, Mar. 11.
Battery holding device. C. A. Newby and D. W. Steinbrecher. 2,613,755, Oct. 14.
Battery lid. J. P. Viarengo. 2,584,946, Feb. 5.
Battery lifter. T. R. Gottstein. 2,613,982, Oct. 14.
Battery liquid level indicator. G. E. Maybach. 2,615,337, Oct. 28.
Battery nonspill vent plug. C. H. Endress. 2,619,102, Nov. 25.
Battery-operated sound signal. A. Merola. 2,608,612, Aug. 26.
Battery plate. G. E. Brandt. 2,615,061, Oct. 21.
Battery plate. M. W. Dickover. 2,589,681, Mar. 18.
Battery plate and forming same, Storage. J. Homan. 2,590,703, Mar. 25.
Battery plate feed device. L. A. Doughty. 2,609,945, Sept. 9.
Battery, Portable. W. Y. Stamper. 2,592,207, Apr. 8.
Battery, Rechargeable. M. N. Yardeny. 2,601,133, June 17.
Battery, Rechargeable. M. N. Yardeny. 2,610,219, Sept. 9.
Battery, Rechargeable dry cell. M. Friedman. 2,600,526, June 17.
Battery, Sea-water. R. L. Taylor. 2,590,584, Mar. 25.
Battery, Secondary. W. A. Smith. 2,588,170, Mar. 4.
Battery separator. H. D. Wilson and J. H. Quick. 2,591,754, Apr. 8.
Battery, Storage. C. F. Pahler. 2,603,670, July 15.
Battery sump. J. I. Diley. 2,580,530, Jan. 1.
Battery terminal clamp. H. C. Lallmang. 2,618,675, Nov. 18.
Battery terminal connection. C. H. and J. M. Welch. 2,602,105, July 1.
Battery terminal connector. J. J. Knasko and M. Gribik. 2,622,120, Dec. 16.
Battery terminal connector. A. Olson. 2,589,122, Mar. 11.
Battery terminal connector. G. S. Wirth. 2,621,222, Dec. 9.
Battery testing apparatus and method. S. L. Christie. 2,613,248, Oct. 7.

Battery voltage selector jumper board and terminal board for industrial truck chargers. G. Poehlmann. 2,594,069, Apr. 22.
Battery, Voltaic. R. P. Richardson. 2,583,063, Jan. 22.
Bayonet fastening. A. Kaufmann. 2,617,166, Nov. 11.
Beach bag and sunshade, Combined. J. C. De Marco. 2,584,432, Feb. 5.
Beacon having duplicate lamp systems one of which is automatically energized upon failure of the other, Rotating. W. A. Pennow. 2,586,375, Feb. 19.
Beacon having independently adjustable light units retractably mounted for servicing, Rotating. R. E. Crossley and H. M. Pattat. 2,595,770, May 6.
Beacon, Radio. P. B. Taylor. 2,609,534, Sept. 2.
Beacon system, Wireless. F. C. Williams and N. F. Moody. 2,582,894, Jan. 15.
Bead blank forming method and machine. A. C. Mason. 2,593,469, Apr. 22.
Bead coating machine. M. C. Meyer and F. Cherry. 2,601,307, June 24.
Beam alignment device. A. W. Friend. 2,611,003, Sept. 16.
Beam amplifier tube. N. Z. Ballantyne. 2,609,515, Sept. 2.
Beam centering device for cathode-ray tubes. P. R. J. Court. 2,597,298, May 20.
Beam clamp. W. T. Graham. 2,595,352, May 6.
Beam clamp with adjustable jaw. W. H. and H. C. Ferguson and J. W. Geddes. 2,618,303, Nov. 18.
Beam compass construction. H. J. Slusher, Jr. 2,621,412, Dec. 16.
Beam cutting method. J. B. Forker. 2,599,324, June 3.
Beam deflector for cathode-ray tubes. M. Emmer and J. E. Henschel. 2,597,465, May 20.
Beam power tube. A. C. Rockwood and H. D. Felsenthal. 2,611,098, Sept. 16.
Beam switching system. E. Bruce and L. Gross. 2,599,368, June 3.
Beam type electron discharge device. B. C. Gardner. 2,624,021, Dec. 30.
Beam type electron tube. A. C. Grimm. 2,615,138, Oct. 21.
Bean and pea plant cutter. A. R. Madsen. 2,614,376, Oct. 21.
Bean picker. L. B. S. Ward. 2,587,553, Feb. 26.
Bearing: *See*—
Adjustable double roller bearing.
Angular contact ball bearing.
Antifriction bearing.
Ball bearing.
Coupler knuckle bearing.
Double-ended journal air bearing.
Double row roller bearing.
Fluidtight vertical bearing.
Grid bearing.
Hardened self-lubricating radial and thrust bearing.
Hydrostatically lubricated spherical bearing.
Journal bearing.
Leakless low friction bearing.
Lubricated shaft bearing.
Machine tool slide bearing.
Multirow roller bearing.
Noiseless self-aligning ball bearing.
Pitman bearing.
Pivot bearing.
Plastic bearing.
Removable bearing.
Rock bit radial bearing.
Roller bearing.
Roller skate antifriction bearing.
Roller thrust bearing.
Self-aligning bearing.
Self-aligning controlled friction bearing.
Self-lubricating radial and thrust bearing.
Shock absorbing watch bearing.
Side bearing.
Slide mount pillow block bearing.
Tapered roller bearing.
Thrust and radial supporting bearing.
Thrust bearing.
Trunnion bearing.
Water-pressure bearing.
Whip roll bearing.
Wringer bearing.
X-type bearing.
Zonal ball air bearing.
Bearing. R. F. Edgar. 2,590,761, Mar. 25.
Bearing. L. J. F. Ell. 2,586,627, Feb. 19.
Bearing. W. H. Korn. 2,592,294, Apr. 8.
Bearing. C. W. Metzgar. 2,616,771, Nov. 4.
Bearing. M. Morgan and J. M. O'Malley. 2,604,366, July 22.
Bearing. V. E. Palumbo. 2,595,482, May 6.
Bearing. H. L. Potter. 2,584,227, Feb. 5.
Bearing. H. L. Potter. 2,620,241, Dec. 2.
Bearing. J. A. Riordan. 2,594,587, Apr. 29.
Bearing. R. A. Schaefer and J. B. Mohler. 2,605,149, July 29.
Bearing. H. W. Schultz. 2,586,099–100, Feb. 19.
Bearing and lubricant tester. R. J. S. Pigott. 2,623,384, Dec. 30.
Bearing and lubrication thereof. L. A. Paradise. 2,595,601, May 6.
Bearing and making the same. C. O. Donley. 2,621,988, Dec. 16.
Bearing and manufacture thereof, Roller. R. R. Kilian. 2,591,160, Apr. 1.
Bearing and seal construction. G. M. Kriegbaum. 2,603,541, July 15.
Bearing and seal device for stirrer shafts. C. Wankat and F. J. Gervais. 2,622,943, Dec. 23.
Bearing and stabilizing mechanism for centrifugal separators, Combined. J. E. Tholl. 2,597,405, May 30.
Bearing arrangement for horizontal rotor shafts. H. Gehre. 2,617,694, Nov. 11.
Bearing assembly. G. O. Birdwell. 2,580,508, Jan. 1.
Bearing assembly. J. D. Cole. 2,621,088, Dec. 9.
Bearing assembly. J. H. Crankshaw. 2,581,173, Jan. 1.
Bearing assembly. H. I. and I. L. Day. 2,581,240, Jan. 1.
Bearing assembly. R. W. Esarey. 2,583,141, Jan. 22.
Bearing assembly. A. F. Knoblaugh. 2,580,438, Jan. 1.
Bearing assembly. L. A. Mans. 2,583,382, Jan. 22.
Bearing assembly. L. W. Wightman. 2,598,476, May 27.
Bearing assembly and seal. L. G. Saywell. 2,600,433, June 17.
Bearing assembly for disk harrows. R. McCullough. 2,597,942, May 27.
Bearing assembly for pivoted bodies. A. Bechler. 2,617,691, Nov. 11.
Bearing assembly unit. R. D. Beatty, Jr. 2,620,242, Dec. 2.
Bearing, bearing material, and fabricating bearings. A. F. Knoblaugh. 2,580,437, Jan. 1.
Bearing block structure. J. P. Butterfield. 2,603,538, July 15.
Bearing circle. C. W. Merriam, Jr. 2,590,115, Mar. 25.
Bearing collar, Self-locking. H. R. Reynolds. 2,584,740, Feb. 5.
Bearing combination. W. M. Wheildon, Jr. 2,602,708–9, July 8.
Bearing combination. W. M. Wheildon, Jr. 2,602,714, July 8.
Bearing construction. E. M. Brown. 2,609,253, Sept. 2.
Bearing construction. C. F. Derbyshire. 2,611,665, Sept. 23.
Bearing device, Adjustable. L. M. Stempel. 2,581,455, Jan. 8.
Bearing for axle boxes. J. P. Kostolnik. 2,585,017, Feb. 12.
Bearing for fluid meters. C. P. Bergman. 2,607,640, Aug. 19.
Bearing for gauge cutters of rotary rock bits. O. Hammer. 2,592,277, Apr. 8.
Bearing for grain drill disk. R. L. Erwin. 2,614,895, Oct. 21.
Bearing for lathe feed shafts, Displaceable. W. G. Hoelscher. 2,612,070, Sept. 30.
Bearing for roller skate wheels. F. J. Wagner. 2,580,489, Jan. 1.
Bearing for spinning- and twisting spindles. Plural-part. W. Hoffmann. 2,611,666, Sept. 23.
Bearing for transmission mechanism. L. Palazzo. 2,592,178, Apr. 8.
Bearing for water meter chambers. F. W. Kohout. 2,616,399, Nov. 4.
Bearing mount. H. W. McPherson. 2,616,770, Nov. 4.
Bearing mounting. P. Z. Anderson and H. O. Fuchs. 2,618,520, Nov. 18.
Bearing mounting. B. W. Barlow and E. A. Simonis. 2,602,009, July 1.
Bearing mounting. S. S. Shoup. 2,591,622, Apr. 1.
Bearing of the oil film type. J. H. Hitchcock. 2,582,433, Jan. 15.
Bearing protection means. A. G. Nickle and B. J. Wasalaski. 2,622,945, Dec. 23.
Bearing retaining means. N. E. Hart and W. A. Guss. 2,584,873, Feb. 5.
Bearing seal. G. Augereau. 2,598,094, May 27.
Bearing seal. S. R. Large. 2,590,422, Mar. 25.
Bearing seal assembly. H. E. Adams. 2,598,484, May 27.
Bearing structure. G. E. Mégel and H. Mancia. 2,597,161, May 20.
Bearing structure for spinning and twisting spindles. W. Naegeli. 2,593,334, Apr. 15.
Bearing support. G. M. Mierley and H. W. Semar. 2,603,540, July 15.
Bearing surface. D. D. Wallace. 2,615,766, Oct. 28.
Bearing support for printing presses. C. A. Harless. 2,581,656, Jan. 8.
Bearing unit, Sealed sleeve. E. A. Lampe. 2,611,667, Sept. 23.
Bearing unit structure. E. C. White. 2,612,417, Sept. 30.
Bearing with one end support. C. N. Edwards. 2,622,941, Dec. 23.
Bearings, Making. A. L. Boegehold. 2,585,430, Feb. 12.
Bearings, Making. R. A. Schaefer, J. F. Cerness, and W. H. Morrison. 2,611,163, Sept. 23.
Bearings, Manufacture of. W. F. Thomas. 2,618,050, Nov. 18.
Beater. L. Bordwell. 2,614,818, Oct. 21.
Beater. G. W. Dodge. 2,602,379, July 8.
Beater and bowl arrangement for mixers. I. Jepson. 2,615,690, Oct. 28.
Beater attachment. W. Van Guilder. 2,621,906, Dec. 16.
Beater ejector. O. F. Gerry. 2,605,085, July 29.
Beater for flailing machines, Flexible. J. Lembke. 2,608,816, Sept. 2.
Beater mill with cylindrical separator structure adjacent the mill outlet, Rotary. J. Dulait. 2,591,141, Apr. 1.
Beater paddle, Hog. L. Anderson and E. Nassimbene. 2,604,656, July 29.
Beater roll. F. Hayes. 2,612,083, Sept. 30.
Beating apparatus. E. Stephansen. 2,591,633, Apr. 1.
Beating up mechanism for looms, especially for manufacturing terry toweling. G. Berg. 2,599,313, June 3.
Beauty shield. R. G. Bartfay. 2,599,152, June 3.
Bed. S. Korenblit. 2,584,135, Feb. 5.
Bed and chair, Combination. E. B. Davis. 2,604,926, July 29.

Bed and davenport, Convertible. J. Strathaus. 2,610,329, Sept. 16.
Bed and partition construction. D. A. Hunt. 2,586,232, Feb. 19.
Bed and platen duplicating machine. R. M. Ford. 2,589,789, Mar. 18.
Bed and shelter, Combination. F. E. Posey. 2,607,047, Aug. 19.
Bed attachment. L. W. Roessler. 2,601,686, July 1.
Bed, Auto. P. E. Allen. 2,601,488, June 24.
Bed bracket. J. Silvio. 2,616,099, Nov. 4.
Bed canopy to administer oxygen, Allover. T. A. Taylor. 2,603,214, July 15.
Bed, Ceiling. V. R. Will. 2,588,785, Mar. 11.
Bed, Chesterfield. E. G. Hirst. 2,607,049, Aug. 19.
Bedclothes clamp. M. Marchese. 2,605,524, Aug. 5.
Bedclothes holder. C. L. Casey. 2,589,476, Mar. 18.
Bedclothes lifting and supporting device. R. T. Ecklund. 2,611,139, Sept. 23.
Bedclothes support. C. W. Pelton. 2,598,295, May 27.
Bed, Collapsible baby. B. R. Simons. 2,598,844, June 3.
Bed construction. U. L. Dickson. 2,618,787, Nov. 25.
Bed construction. G. A. MacNeny. 2,620,492, Dec. 9.
Bed cover. H. Crescenzi. 2,603,798, July 22.
Bed cover support. F. W. Coffing and G. H. Brown. 2,595,449, May 6.
Bedcover support. F. P. Fulton. 2,607,933, Aug. 26.
Bedcover support. I. G. Kane. 2,618,789, Nov. 25.
Bed crane for invalids. R. L. Wood. 2,585,982, Feb. 19.
Bed-davenport. M. S. Karpen. 2,621,337, Dec. 16.
Bed, Dog. C. F. Loasby. 2,590,631, Mar. 25.
Bedease, Patients'. O. B. Kjos and H. A. Korda. 2,585,660, Feb. 12.
Bed, Electrically operated invalid's. J. D. Putterbaugh. 2,617,117, Nov. 11.
Bed fence. R. T. Hoffman. 2,594,926, Apr. 29.
Bed, Folding. W. D. Driver. 2,607,046, Aug. 19.
Bed, Folding. G. Y. M. Göpert. 2,621,338, Dec. 16.
Bed, Folding. M. D. Miesner. 2,605,480, Aug. 5.
Bed, Folding. G. C. Mitchell. 2,617,999, Nov. 18.
Bed, Folding automobile. J. R. Williams. 2,602,938, July 15.
Bed for trailers, Folding. H. C. Brumbaugh. 2,581,576, Jan. 8.
Bed frame. R. D. Hopkins. 2,582,832, Jan. 15.
Bedframe and special caster receiving socket construction. L. K. Jackson. 2,607,051, Aug. 19.
Bedframe construction for automotive trailers. L. R. Larsen. 2,622,895, Dec. 23.
Bed guard, Folding. J. B. Des Rochers. 2,587,291, Feb. 26.
Bed guard rail. M. B. Gruber. 2,601,015, June 17.
Bed, Health. R. E. Beegle. 2,590,920, Apr. 1.
Bed, Hospital. F. O. Thompson. 2,598,859, June 3.
Bed jacket and similar wearing apparel. T. Straus. 2,603,789, July 22.
Bed lengthener. B. E. Doyle. 2,607,932, Aug. 26.
Bed leveler for funeral cars and the like. E. L. Burnett. 2,600,047, June 10.
Bed lift, Hydraulic hospital. J. L. Killifer. 2,604,639, July 29.
Bedmaking aid. J. D. Allport. 2,620,491, Dec. 9.
Bed, Metal. W. P. Rocker, J. B. Taylor, and J. M. Eidson. 2,607,928, Aug. 26.
Bed mounting attachment for playpens. R. S. Bruce. 2,620,490, Dec. 9.
Bed operating means. B. F. Upham. 2,597,687, May 20.
Bed or like covering. A. W. Guest. 2,596,547, May 13.
Bed or similar article of furniture. J. A. Womack. 2,601,685, July 1.
Bed or the like. A. Lorenz. 2,617,118, Nov. 11.
Bedpan. D. M. E. Eckart and J. R. Rosenleaf. 2,604,634, July 29.
Bedpan. A. E. M. Mitchell. 2,591,850, Apr. 8.
Bedpan. C. E. Wakeman. 2,611,903, Sept. 30.
Bedpan, Valved. D. E. Eckart and J. R. Rosenleaf. 2,606,327, Aug. 12.
Bed, Patient operated invalid. A. L. Burkhart. 2,605,481, Aug. 5.
Bed, Portable baby. S. Vogel and E. Seid. 2,587,255, Feb. 26.
Bed rail and post rail connection. J. G. Edelen. 2,602,939, July 15.
Bed, Railway sleeping car. J. K. Tully and B. E. Jones. 2,600,706, June 17.
Bed, Safety. C. C. McLean and S. A. Davis. 2,592,166, Apr. 8.
Bedside cabinet. W. A. Hillenbrand and F. J. Burst. 2,584,089, Jan. 29.
Bed, Sofa. J. B. Crahan. 2,619,656, Dec. 2.
Bed, Sofa. L. E. Frey. 2,602,937, July 15.
Bed, Sofa. W. O. McDaniel. 2,602,169, July 8.
Bedspring. R. K. Clark. 2,589,053, Mar. 11.
Bed spring. R. Riell. 2,611,137, Sept. 23.
Bed spring leg. E. F. Leefeldt. 2,617,125, Nov. 11.
Bedspring support. F. E. Olson. 2,589,123, Mar. 11.
Bedspring supporting bracket for bedsteads. C. Harris. 2,618,000, Nov. 18.
Bed supporting frame for truck bodies, Detachable. V. L. Martin. 2,601,684, July 1.
Bed, Trailer. W. J. Staffe. 2,622,918, Dec. 23.
Bed, Transversely folding. G. K. Sawaya. 2,590,129, Mar. 25.
Bed tray, Swingable and vertically adjustable. P. G. Sarkus. 2,612,422, Sept. 30.
Bed, Turnover. K. S. Keyes, Jr. 2,613,371, Oct. 14.
Bedding support. P. C. Hougham. 2,614,269, Oct. 21.
Bee feeder. J. W. Goble. 2,611,140, Sept. 23.
Beehive. M. P. Elliott. 2,588,370, Mar. 11.
Beehive automatic swarm control. N. H. Harrison. 2,607,053, Aug. 19.
Beehive cover. R. Roselieb. 2,618,791, Nov. 25.
Beehive honeycomb frame. R. P. Hamilton. 2,604,643, July 29.
Beehive super. R. P. Hamilton. 2,596,995, May 20.
Beehive with ventilating ends. J. W. Green. 2,593,296, Apr. 15.
Beer dispensing apparatus with means for carbonating said beer with a mixture of CO_2 and air in definite ratio. W. L. Chapplow. 2,580,516, Jan. 1.
Beer jetter. J. H. O'Neil. 2,623,672, Dec. 30.
Beet cleaning apparatus. R. A. Wilkinson. 2,587,258, Feb. 26.
Beet topper. J. Morkoski. 2,611,228, Sept. 23.
Beet topper. J. W. Orendorff. 2,583,011, Jan. 22.
Beet topper. H. L. Toft. 2,605,601, Aug. 5.
Beet topping machine. J. E. Amend. 2,596,757, May 13.
Bell. F. Petelinsek. 2,584,223, Feb. 5.
Bell striking device, Electric. C. Meneely and A. W. Miller. 2,585,569, Feb. 12.
Bell with attaching means. D. Iny. 2,612,135, Sept. 30.
Belleville rotator and spring surge damper. C. B. Leach. 2,613,656, Oct. 14.
Bellows pump. R. T. Sheen and R. B. Saalfrank. 2,613,607, Oct. 14.
Bellows seal for beverage dispensers. F. E. Sanborn. 2,607,448, Aug. 19.
Belt. P. Leonard. 2,619,651, Dec. 2.
Belt. R. M. Leven. 2,586,355, Feb. 19.
Belt. D. L. Waugh. 2,608,874, Sept. 2.
Belt base. W. Eaton. 2,602,932, July 15.
Belt buckle. P. A. Beyer. 2,609,577, Sept. 9.
Belt buckle, Interchangeable initial. J. R. Whitehouse and H. C. Vaisey. 2,587,796, Mar. 4.
Belt buckle, Yieldable. R. C. Legat. 2,619,697, Dec. 2.
Belt, Colostomy. L. S. Mann. 2,611,364, Sept. 23.
Belt connector. R. S. Llewellyn. 2,605,523, Aug. 5.
Belt conveyer drive. S. C. Moon. 2,591,089, Apr. 1.
Belt conveyer system. R. M. Buckeridge. 2,586,782, Feb. 26.
Belt conveyer system. R. M. Buckeridge. 2,589,220, Mar. 18.
Belt disengaging mechanism. E. P. du Pont. 2,603,979, July 22.
Belt drive for papermaking machines. L. Hornbostel. 2,610,517, Sept. 16.
Belt drive for small diameter adjacent cylinders. C. B. Richey. 2,614,440, Oct. 21.
Belt-drive log-turning nigger. E. G. Letourneau. 2,588,735, Mar. 11.
Belt for wearing apparel. J. L. Bailen. 2,596,884, May 13.
Belt hanger. H. Gilbert. 2,598,614, May 27.
Belt, Lineman's. F. C. Childers, Sr. 2,601,589, June 24.
Belt measuring device. A. T. Bodle. 2,612,698, Oct. 7.
Belt mounting for magnetic rail conveyers. D. Buccicone. 2,600,475, June 17.
Belt, Post-operation. C. A. Muller. 2,596,275, May 13.
Belt pulley controller for tractors. R. E. Kelly. 2,610,522, Sept. 16.
Belt, Safety. C. W. Rose. 2,581,772, Jan. 8.
Belt, Safety. C. W. Rose. 2,613,865, Oct. 14.
Belt, Sanitary. G. M. Carmean. 2,596,127, May 13.
Belt, Sanitary. E. V. Pitton. 2,593,791, Apr. 22.
Belt, Stretchable. M. Epstein. 2,586,457, Feb. 19.
Belt-supporting device. E. L. Moore. 2,585,157, Feb. 12.
Belt tensioning device for variable-speed drives. F. B. Scott. 2,604,794, July 29.
Belt tensioning mechanism for conveyers. L. C. Erickson. 2,623,630, Dec. 30.
Belt testing apparatus. J. L. Waddell. 2,603,084, July 15.
Belt tightener. J. M. Pritchett. 2,620,533, Dec. 9.
Belt tightening device. R. Russell. 2,618,163, Nov. 18.
Belt type spinning reel. R. W. Flewelling. 2,615,649, Oct. 28.
Belt with garment holding clamps. C. K. Seid. 2,595,893, May 6.
Belting. A. T. Ewell. 2,593,284, Apr. 15.
Belts, Making. R. J. Gorecki. 2,597,790, May 20.
Bench, Optical. C. W. North. 2,597,168, May 20.
Bending brake with work clamp latching means, Adjustable. W. C. Tifft and J. F. Kreissig. 2,602,484, July 8.
Bending machine. E. J. De Witt. 2,620,849, Dec. 9.
Bending machine. H. A. Thompson. 2,610,666, Sept. 16.
Bending machine for plywood or composition board. E. C. Richter. 2,582,653, Jan. 15.
Bending mold locating device. E. W. Babcock. 2,608,799, Sept. 2.
Bending pipe, Method and apparatus for. F. A. Fichtmueller. 2,609,859, Sept. 9.
Bending process. A. E. Varner. 2,581,222, Jan. 1.
Bent sheet detector. J. Simpson. 2,616,001, Oct. 28.
Beneficiation of nonmetallic ores. I. M. Le Baron, W. O. McClintock, and J. E. Lawver. 2,586,545, Feb. 19.
Benzal-imino compounds, Preparation of. C. W. Sondern and P. J. Breivogel. 2,582,292, Jan. 15.

Benzaldehyde acetals and producing the same. A. J. Deinet. 2,621,214, Dec. 9.
Benzanthrone free from anthraquinone impurities, Producing. M. H. Fleysher and F. L. Sievenpiper. 2,595,348, May 6.
Benzene hexachloride, Manufacture of. L. A. Miller, J. H. Dunn, C. M. Neher, and S. N. Hall. 2,622,105, Dec. 16.
Benzhydryl ethers of tropines and their production. R. F. Phillips. 2,595,405, May 6.
Benzidine sulfate, Preparation of. W. S. Krause. 2,587,861, Mar. 4.
Benzilmonohydrazon blowing-agent for preparing porous thermoplastic resins. G. van Gaver. 2,586,887, Feb. 26.
Benzo[f] quiholine compounds and their preparation. C. F. H. Allen and J. A. Van Allan. 2,604,475, July 22.
Benzophenothiazine dyes and preparing the same. R. C. Clapp. 2,607,774, Aug. 19.
Benzophenothiazine nitriles. N. L. Smith. 2,587,661, Mar. 4.
Benzothiazolesulfonamides and preparing the same. J. W. Clapp and R. O. Roblin, Jr. 2,595,334, May 6.
Benzothiazole through pyrolysis, Preparation of. T. H. Chao and E. M. Wharton. 2,610,190, Sept. 9.
Benzothiazole-2-dimethylsulfinamide and preparing the same. G. Mingasson. 2,585,155, Feb. 12.
Benzothiophene anthraquinone dyestuffs. F. Max and W. Schmidt-Nickels. 2,615,898, Oct. 28.
Benzoylpolyglutamic acid amides and preparation of the same. J. H. Mowat and C. W. Waller. 2,592,454, Apr. 8.
Benzyl alcohol-water countercurrent distribution extraction of vitamin B_{12}. N. G. Brink and F. J. Wolf. 2,607,717, Aug. 19.
Benzyl-tert.-octylamine. W E Craig and L. J. Exner. 2,613,226, Oct. 7.
Benzylated soya protein and making same. A. E. Gilchrist and W. J. Koenig. 2,623,829, Dec. 30.
Bermuda type metal shingled roof. C. F. Sperry. 2,592,482, Apr. 8.
Berry cleaner. A. B. McLauchlan. 2,591,086, Apr. 1.
Berth. R. G. Cudini. 2,585,632, Feb. 12.
Berth operating means for railway sleeping cars. J. C. Lyon. 2,592,924, Apr. 15.
β-(alkyl mercapto) ethyl chloride, Producing. J. K. Fincke. 2,598,640, May 27.
β-γ-olefinic ethers of halohydrins, Production of. R. C. Morris and J. L. Van Winkle. 2,608,587, Aug. 26.
β,β,β-trichloroethylidene-acetyl-thiophenes. J. Druey and P. Schmidt. 2,583,508, Jan. 22.
Beta,beta-dithio dicarboxylic acids and esters, Preparation of. J. G. Murphy and J. F. Mulvaney. 2,623,066, Dec. 23.
Beta-bromo, alpha-chloro, beta-formyl acrylic acid, Preparing. E. Kuh. 2,588,852, Mar. 11.
Beta-diethylaminoethyl 3-phenyl-2-hydroxybenzoate mandelate. M. Sahyun. 2,594,350, Apr. 29.
Beta-dithiocarbazyl carboxylic acid compounds and their preparation. R. A. Mathes. 2,623,059, Dec. 23.
β-Hydroxyalkyl diesters of dicarboxydiphenyl sulfones and preparing same. J. R. Caldwell. 2,614,120, Oct. 14.
Beta-hydroxy carboxylic acid lactones from ketene and aldehyde with clay catalyst, Production of. F. G. Young and J. T. Fitzpatrick. 2,580,714, Jan. 1.
β-hydroxydialkyl peroxides. M. R. Barusch and J. Q. Payne. 2,605,291, July 29.
β-lactones employing a uranyl salt catalyst, Preparing. J. R. Caldwell. 2,585,223, Feb. 12.
β-methylmercaptopropionaldehyde, Preparation of. E. Pierson and M. Tishler. 2,584,496, Feb. 5.
Beta-methylene-beta-propiolactone copolymers. D. D. Coffman. 2,585,537, Feb. 12.
Beta-mono-thiocarbamyl carboxylic acid compounds, Preparation of. J. E. Jansen. 2,602,813, July 8.
Beta, N,N-disubstituted aminomercaptans as modifiers in emulsion polymerization. H. R. Snyder and J. M. Stewart. 2,620,328, Dec. 2.
β-naphthyl-(2)-β-alkyl-2, α-dialkylpropionic acids and esters thereof. K. Miescher and P. Wieland. 2,595,200, Apr. 29.
Beta-pyrrolidyl-ethyl esters of para-propoxybenzoic acid. W. B. Reid, Jr. 2,605,267, July 29.
Beta-substituted acrylic acids, Preparation of. W. L. Beears and J. E. Jansen. 2,623,067, Dec. 23.
Beta substituted gamma lactones. E. C. Ladd and H. W. Paxton. 2,598,803, June 3.
Beta-(3,4-dihydroxy-phenyl)-alanine, Production of. E. C. Britton and H. C. White. 2,605,282, July 29.
Beverage appliance. R. H. Hucknall. 2,599,919, June 10.
Beverage brewer. C. N. Crossley, R. J. Gagan, H. R. Karlen, and H. W. Peters. 2,589,783, Mar. 18.
Beverage carbonating device. F. J. Meldau. 2,600,901, June 17.
Beverage carbonating device. G. P. Wisdom. 2,591,990. Apr. 8.
Beverage case. O. C. Coles, Jr. 2,613,839, Oct. 14.
Beverage case. T. Schmidt. 2,619,251, Nov. 25.
Beverage control system and dispensing means. E. S. Scannell. 2,605,931, Aug. 5.
Beverage cooler. P. K. Leland. 2,608,837, Sept. 2.
Beverage cooling and dispensing, Method and apparatus for. G. M. Booth and A. H. Patch. 2,618,938, Nov. 25.
Beverage cooling container. W. T. Skrzycki. 2,622,852, Dec. 23.
Beverage maker. H. W. Peters. 2,618,218, Nov. 18.
Beverage maker and dispenser, Hot. A. Torrese. 2,601,943, July 1.
Beverage maker, Automatic. F. S. Ranz. 2,615,384, Oct. 28.
Beverage mixing and dispensing device. R. T. and N. F. Cornelius. 2,619,387, Nov. 25.
Beverage testing apparatus. R. J. Ingham, Jr., and S. Kahn. 2,603,086, July 15.
Bias bag and bias bagging. J. Katz and F. P. Majoros. 2,616,469, Nov. 4.
Bias cutter control mechanism. W. J. Secrest. 2,581,937, Jan. 8.
Biased balling bag. H. B. Katz. 2,600,300, June 10.
Biasing protective system for high-power oscillators. P. B. Magee. 2,583,785, Jan. 29.
Biasing system for magnetic recorders. L. H. Connell. 2,604,546, July 22.
Bib. Y. H. Musselwhite. 2,621,330, Dec. 16.
Bib, Disposable. E. D. Barager. 2,617,104, Nov. 11.
Bib structure. A. M. Allen. 2,580,388, Jan. 1.
Bib, Throw-away. J. P. Hufnagel. 2,622,246, Dec. 23.
Bicycle, Audible. R. E. Mueller. 2,619,931, Dec. 2.
Bicycle basket support. E. L. Dennis and C. S. Glenny. 2,583,550, Jan. 29.
Bicycle kick stand. L. C. Atwood and H. W. Clay. 2,615,729, Oct. 28.
Bicycle kick stand. E. Haug. 2,595,193, Apr. 29.
Bicycle kick stand. O. Thalman. 2,587,790, Mar. 4.
Bicycle lock. B. McFall. 2,604,774, July 29.
Bicycle saddle post. W. E. Olson. 2,616,734, Nov. 4.
Bicycle transmission, Automatic. W. G. Spencer. 2,600,580, June 17.
Bicycle wheel attachment. L. Mann. 2,621,081, Dec. 9.
Bicycle wheel brace. C. R. Rothe and J. D'Esposito. 2,609,091, Sept. 2.
Bi-directional magnetic fluid clutch. V. J. Wattenberger. 2,616,539, Nov. 4.
Bilaterally and uniformly extensible unit. L. R. V. Jacobsen and G. G. Gosline. 2,581,021, Jan. 1.
Bilge drum assembling machine. A. Leake. 2,613,625, Oct. 14.
Bilge water ejector for outboard motorboats. J. Frye. 2,604,867, July 29.
Billboard construction. P. L. Michael and K. L. Robison. 2,599,129, June 3.
Billboard frame molding. P. L. Michael. 2,603,014, July 15.
Bill case. L. Seamon. 2,595,003, Apr. 29.
Billet heating furnace. F. O. Hess. 2,591,259, Apr. 1.
Billet heating furnace. A. L. Passafaro. 2,620,174, Dec. 2.
Billfold. C. A. Anderson. 2,597,967, May 27.
Billfold. R. Hirschfelder. 2,588,237, Mar. 4.
Billfold. A. A. Tolbert. 2,609,025, Sept. 2.
Billfold. W. R. Whitmer. 2,586,132, Feb. 19.
Billfold and coin purse, Combined. D. B. Jeffery. 2,613,716, Oct. 14.
Billfold and purse, Combination. S. Knee. Re. 23,577, Nov. 11.
Billfold insert. J. C. Loncich. 2,592,918, Apr. 15.
Billfold, Multiple side pocket. E. K. Renz. 2,606,590, Aug. 12.
Billfold protector. P. R. Wagner. 2,586,584, Feb. 19.
Billfold, Stitchless and hidden stitch expansible. O. S. Elliff. 2,598,982, June 3.
Billfold wallet, Secret pull-out. W. Lipp. 2,612,201, Sept. 30.
Billfold with intermittently reinforced dege. S. J. Smallman. 2,611,410, Sept. 23.
Billfold with unstitched center panel. E. Hughes. 2,599,261, June 3.
Bimetallic printing forms, Producing. C. B. Aller. 2,584,317, Feb. 5.
Bin batching plant. W. S. Crawford and A. S. Graham. 2,591,785, Apr. 8.
Bin level controller. K. O. Siemon. 2,611,044, Sept. 16.
Bin level switch. C. W. McMath. 2,615,102, Oct. 21.
Bin, Sanitary waste disposal. G. S. James. 2,593,455, Apr. 22.
Bin, Self-unloading. H. R. Schemm. 2,609,125, Sept. 2.
Binary add-subtract device. G. C. Hartley, W. J. Reynolds, and L. B. Haigh. 2,601,281, June 24.
Binary coding device. C. H. Hoeppner. 2,616,965, Nov. 4.
Binary cycle power plant having a high melting point tertiary fluid for indirect heating. L. R. Biggs. 2,593,963, Apr. 22.
Binder. C. E. Emmer. 2,584,854, Feb. 5.
Binder. C. E. Emmer. 2,598,044, May 27.
Binder. W. E. Haskin. 2,617,422, Nov. 11.
Binder. E. C. Kinney. 2,614,567, Oct. 21.
Binder. H. B. McBee and D. R. Selby. 2,620,802, Dec. 9.
Binder and display easel, Combined. E. W. Ericson. 2,613,956, Oct. 14.
Binder applicator. H. E. Holcomb. 2,617,468, Nov. 11.
Binder or loose sheet holder. D. Rice. 2,596,600, May 13.
Binder post, Flexible. A. Mullikin. 2,586,556, Feb. 19.
Binder ring opening device. C. D. Trussell. 2,608,700, Sept. 2.
Binding bauxite fines into granules with colloidal silica. H. Heinemann. 2,603,609, July 15.
Binding boxes, Method of and apparatus for. C. M. MacChesney. 2,612,833, Oct. 7.

Binding in weft threads in looms for weaving. E. Pfarrwaller. 2,602,470, July 8.
Binding machine. C. E. Emmer. 2,603,800, July 22.
Binding machine. A. L. Jalbert. 2,614,276, Oct. 21.
Binding machine and pegboard, Portable. C. E. Emmer. 2,603,801, July 22.
Binding strap anchoring means. W. D. Hall. 2,581,529, Jan. 8.
Binomial sequential analyzer. R. W. Jones. 2,617,589, Nov. 11.
Biphenyl amine salts of penicillin. A. P. Granatek. 2,588,517, Mar. 11.
Birdbath and feeding table. B. Harris. 2,606,522, Aug. 12.
Birdbath, Floating. J. F. Webster. 2,583,911, Jan. 29.
Bird cage for entertainers, Folding. M. A. Taylor. 2,614,838, Oct. 21.
Bird cage support. A. H. Doolittle. 2,619,314, Nov. 25.
Bird feeder. L. A. Breck, Jr. 2,591,126, Apr. 1.
Bird feeder. R. E. Meany. 2,591,459, Apr. 1.
Bis alkylbenzyl ethers of polyethylene glycols. P. L. de Benneville. 2,596,092, May 13.
Bis-benzene-azo-1,5 dihydroxynaphthalenes. V. Kartaschoff and E. Merian. 2,623,872, Dec. 30.
Bis-β-aromatic sulfonhydrazides. J. A. Sprung and W. A. Schmidt. 2,595,017, Apr. 29.
Bis-chlorobutenyl sulfides. W. D. Niederhauser. 2,604,492, July 22.
Biscuit-cutting and the like machinery. A. E. Wilde. 2,596,317, May 13.
Biscuit cutting machine and the like. J. Hart. 2,591,256, Apr. 1.
Biscuitmaking and the like machinery. E. M. Crosland. 2,598,510, May 27.
Bis(ethylxanthoylthioxy)-piperidylphosphine oxides and sulfides. H. Tolkmith. 2,592,618, Apr. 15.
Bis(4 - aminocyclohexyl) - methane. G. M. Whitman. 2,606,924, Aug. 12.
Bis (4-β-hydroxyalkoxyphenyl) sulfones and polyesters prepared therefrom. J. R. Caldwell. 2,593,411, Apr. 22.
Bis(hydroxyphenyl) compounds, Production of. D. B. Luten, Jr., S. A. Ballard and C. G. Schwarzer. 2,602,821, July 8.
Bis(hydroxyphenyl) compounds, Production of. C. G. Schwarzer, S. A. Ballard and D. B. Luten, Jr. 2,602,822, July 8.
Bis-1,4-dialkylamino-1,3-butadienes. C. H. McKeever, and J. W. Nemec. 2,617,827, Nov. 11.
Bis (p-chlorophenylmercapto) methane and insecticidal compositions thereof. D. T. Mowry. 2,594,480, Apr. 29.
Bis(p-chlorophenyl) mercaptole acetone and its miticidal activity. A. G. Jelinek. 2,580,550, Jan. 1.
Bis-phenylol silanes. J. L. Speier, Jr. 2,611,776, Sept. 23.
Bis-quaternary ammonium salts. F. S. Crossley. 2,623,902, Dec. 30.
Bis (tetraalkylphenol) monosulfides. W. S. Cook and G. E. P. Smith, Jr. 2,605,288, July 29.
Bis-trialkylsilylphenoxysilanes. J. L. Speier, Jr. 2,611,780, Sept. 23.
Bis[2-diethanolamino-4-p-anisidino-1, 3, 5-trinzyl - (6) -]-4, 4'-diaminostilbene-2, 2'-disulfonic acid. W. E. Wallace. 2,595,030, Apr. 29.
Bis (2 - morpholino - 4 - amino - 1,3,5 - trinzyl - (6) -) - 4,4'-diaminostilbene sulfonic and carboxylic acids. W. W. Williams and W. E. Wallace. 2,618,636, Nov. 18.
Bistable circuit. A. E. Anderson and R. L. Trent 2,622,212, Dec. 16.
Bisulfite addition to tri-2-ethylbutyl ester of aconitic acid. M. E. Chiddix and J. M. Cross. 2,619,500, Nov. 25.
Bit: See—
Coal drill bit.
Core bit.
Detachable bit.
Detachable blade bit.
Detachable drilling bit.
Diamond set core bit.
Drag bit.
Drill bit.
Earth drilling bit.
Expansible rotary drill bit.
Hammer type rotary rock-drilling bit.
Pipe bit.
Rock bit.
Rock drill bit.
Rotary bit.
Self-piloted rotary drill bit.
Tricone rock bit.
Weaning bit.
Well-drilling bit.
Bit. A. C. Elles and F. L. Fulke. 2,610,049, Sept. 9.
Bit for drilling noncircular holes. S. R. Powell. 2,586,084, Feb. 19.
Bit with adjustable cutting blade. H. C. Wilson. 2,618,304, Nov. 18.
Bit with interchangeable blade. H. C. Wilson. 2,593,823, Apr. 22.
Bituminized fibrous product, Manufacture of. L. C. Bradshaw. 2,602,029, July 1.
Bituminous composition. G. A. Fasold and H. W. Greider. 2,581,640, Jan. 8.
Bituminous composition. F. M. Fowkes. 2,582,824, Jan. 15.
Bituminous emulsion. P. E. McCoy. 2,615,818, Oct. 28.
Bituminous emulsion, Making a. D. N. Manzer. 2,620,312, Dec. 2.
Bituminous emulsion, Quick-breaking. P. E. McCoy. 2,585,336, Feb. 12.
Bituminous emulsions. D. N. Manzer. 2,615,851, Oct. 28.
Bituminous mixtures and their preparation. J. F. T. Blott and P. Alexander. 2,603,573, July 15.
Bivalent metal halide addition compounds of substituted sulfenamides. E. L. Carr and J. R. Rafter. 2,581,905, Jan. 8.
Black chromium plating. L. O. Gilbert and C. C. Buhman. 2,623,847, Dec. 30.
Black level control in television transmission. L. Lax. 2,620,392, Dec. 2.
Black screen television cathode-ray tube. J. W. Coltman. 2,616,057, Oct. 28.
Blackening stainless steel. J. F. Kreml. 2,618,578, Nov. 18.
Blade adjuster for brush clearing mechanisms. J. M. McNeel. 2,584,485, Feb. 5.
Blade and blade guard for slicing machines used for slicing meat and sausage. A. Ditting. 2,619,142, Nov. 25.
Blade and handle combination. A. Papp. 2,597,258, May 20.
Blade and toolholder. J. B. Weems. 2,605,545, Aug. 5.
Blade and tooth structure for excavating buckets. A. Theblay. 2,617,210, Nov. 11.
Blade clamping device. P. S. and T. S. Vosbikian. 2,610,401, Sept. 16.
Blade construction for aircraft sustaining rotors. H. F. Pitcairn. 2,588,570, Mar. 11.
Blade containing and dispensing device. N. Testi. 2,581,332, Jan. 1.
Blade coupling attachment for tractors. R. J. Harper. 2,600,244, June 10.
Blade dispenser. Z. Auerbach. 2,600,830, June 17.
Blade dispensing and receiving package. J. Muros. 2,616,556, Nov. 4.
Blade dispensing magazine. M. D. Benedict, Jr., and M. J. Shnitzler. 2,617,520, Nov. 11.
Blade dispensing magazine. C. L. Metzler. 2,595,280, May 6.
Blade-dispensing magazine. N. Testi. 2,613,806, Oct. 14.
Blade dispensing package. J. Muros. 2,621,781, Dec. 16.
Blade driven rotary pump. S. Scognamillo. 2,590,730, Mar. 25.
Blade edge welding technique. W. H. Stulen, M. Klein, and E. L. Tichenor. 2,615,236, Oct. 28.
Blade element for rotary fluid machines. E. J. McBride. 2,597,510, May 20.
Blade finishing machine. P. M. Mueller. 2,606,406, Aug. 12.
Blade for hones. J. J. Palotsee. 2,585,402, Feb. 12.
Blade holder. D. N. Judelson. 2,594,932, Apr. 29.
Blade holder. E. C. Manthey and A. M. Thompson. 2,619,724, Dec. 2.
Blade injector and blade disposal device for injector type razors. J. C. Fennelly. 2,608,755, Sept. 2.
Blade magazine for safety razors. N. Testi. 2,611,176, Sept. 23.
Blade package. J. Muros. 2,604,977, July 29.
Blade sawing apparatus, Dual reciprocating. E. D. Tompkins. 2,591,747, Apr. 8.
Blade sawing machine for cutting marble and stones, Multiple. S. Valgiusti. 2,587,250, Feb. 26.
Blade tensioning means for meat-cutting band saws. W. A. Pink, and J. D. Brown. 2,617,451, Nov. 11.
Blade tracking mechanism for lifting rotors. H. T. Avery. 2,620,888, Dec. 9.
Blade type snap acting device. A. L. Riche. 2,581,705, Jan. 8.
Bladed stator assembly primarily for axial flow compressors. R. C. McLeod. 2,622,790, Dec. 23.
Blades of axial flow compressors and turbines and the means of fixing them. T. C. Giles. 2,606,742, Aug. 12.
Blankholder press and operating circuit therefor, Hydraulic. F. E. Sebring and W. H. Bennett. 2,603,176, July 15.
Blank separator and feeding apparatus. F. Mendez and R. O. Almodovar. 2,622,459, Dec. 23.
Blanket holder. J. Straka. 2,611,165, Sept. 23.
Blanket, Resilient and heat-resistant. J. W. Weber. 2,593,373, Apr. 15.
Blast furnace. J. M. Avery. 2,606,672, Aug. 12.
Blast furnace. A. J. Macdonald. 2,585,394, Feb. 12.
Blast furnace operation. J. M. Bradley and H. J. Ogorzaly. 2,593,257, Apr. 15.
Blast furnace support. F. E. Kling. 2,597,501, May 20.
Blast gun, Suction. R. R. Garver. 2,608,032, Aug. 26.
Blast hole drilling apparatus. C. F. Ball. 2,586,773, Feb. 26.
Blasting. D. M. McFarland. 2,609,750, Sept. 9.
Blasting cap. B. J. Savold. 2,604,044, July 22.
Blasting machine. R. B. Huyett. 2,584,587, Feb. 5.
Blasting machine. R. B. Huyett and G. W. Powell. 2,604,734, July 29.
Blasting operation and blasting assembly for use therein, Safety. J. Taylor and T. Thomson. 2,609,751, Sept. 9.
Blasting switch. T. A. Rourke. 2,590,274, Mar. 25.
Bleacher frame construction. F. C. Torkelson. 2,584,066, Jan. 29.
Bleaching oil with adsorbent. A. E. Bailey. 2,618,644, Nov. 18.
Bleaching or brightening a web of mixed fibers. R. L. McEwen and F. R. Sheldon. 2,598,580, May 27.
Bleaching, sterilizing, disinfecting, and deterging compositions. E. E. Hardy. 2,607,738, Aug. 19.
Bleaching wood pulp. W. H. Rapson. 2,587,064, Feb. 26.
Bleeder and equalizer for blast furnaces. K. G. Le Viseur and L. Larson. 2,585,800, Feb. 12.

Bleeding air from compressors. R. A. Loos, B. J. Mezger, and J. Modrovsky. 2,618,433, Nov. 18.
Blending fiber, Method and apparatus for. L. A. Runton. 2,594,589, Apr. 29.
Blending of hydroformer feed stocks. B. B. Woertz, L. M. Henderson, and C. M. Ridgway. 2,589,523, Mar. 18.
Blending of viscous liquids. R. E. Heyl and E. R. Nett. 2,601,018, June 17.
Blends of hydrocarbon polymers and petroleum waxes, Preparing. J. J. Fish. 2,601,109, June 17.
Blind. G. T. Dullin. 2,583,361, Jan. 22.
Blind. J. P. Noneli. 2,596,714, May 13.
Blind fastener. E. E. Aylor. 2,612,927, Oct. 7.
Blind landing system. G. E. Hart. 2,611,124, Sept. 16.
Blind structure. N. L. Etten. 2,621,723, Dec. 16.
Blind structure, Dustless. L. Chartoff. 2,607,090, Aug. 19.
Blinding device for pipe lines. L. S. Hamer. 2,615,473, Oct. 28.
Block: *See*—
- Adjustable block.
- Adjustable gauge block.
- Adjustable log tripping sawmill desk block.
- Building block.
- Connector block.
- Conveyer traction block.
- Crown block.
- Electric connector block.
- Electrical terminal block.
- Interlocking hollow building block.
- Lens block.
- Masonry line block.
- Mason's line block.
- Oil-lubricated bearing block.
- Paving block.
- Pillow block.
- Sacroiliac block.
- Salt block.
- Scotch block.
- Snatch block.
- Splicing block.
- Terminal block.
- Ventilating wall block.

Block-bisecting machine. M. R. Price. 2,593,606, Apr. 22.
Block forming apparatus. G. A. Vesper. 2,585,193, Feb. 12.
Block grease, Manufacture of. A. B. Ogden, R. A. Butcosk, and R. C. Williams. 2,588,326, Mar. 4.
Block indicator for centralized traffic control systems. H. S. Young. 2,591,036, Apr. 1.
Block lifter. J. D. Naillon. 2,588,276, Mar. 4.
Block making machine. R. L. Weir. 2,620,540, Dec. 9.
Block molding apparatus. R. W. Honnig and L. A. Hawthorne. 2,588,838, Mar. 11.
Block molding machine. V. Burkard and D. J. Shepherd. 2,614,308, Oct. 21.
Block molding machine. R. D. Wells. 2,590,008, Apr. 1.
Block molding machine, Straight line. C. K. Brown, Jr. 2,593,409, Apr. 22.
Block printing surface coverings. H. S. Humphreys. 2,598,386, May 27.
Blocker type clutch. P. Orr. 2,607,458, Aug. 19.
Blocking and unblocking lens blanks for surfacing operations. J. R. Turner and R. W. Elliott. 2,582,087, Jan. 8.
Blood platelet count influencing factors preparation. S. E. Moolten. 2,616,826, Nov. 4.
Blood testing apparatus. E. L. Rowland, Jr. 2,610,541, Sept. 16.
Blood transfusion filter unit. J. E. B. Shaw. 2,614,562, Oct. 21.
Bloom cutting machine. A. B. Pearson. 2,619,176, Nov. 25.
Blouse. W. J. Leichter. 2,589,409, Mar. 18.
Blouse holder. E. Berg. 2,608,691, Sept. 2.
Blowgun. L. K. Niemann. 2,598,417, May 27.
Blowgun. P. H. Seibel and J. R. Scotti. 2,580,613, Jan. 1.
Blow open, blow closed circuit breaker. J. D. Wood. 2,601,484, June 24.
Blower and air conduits for combines. H. J. Stevenson. 2,611,487, Sept. 23.
Blower elevator. C. V. Everett. 2,588,711, Mar. 11.
Blower inlet control device. E. Trumpa. 2,603,411, July 15.
Blower type conveyer. G. B. Hill and L. G. Cheatum. 2,608,445, Aug. 26.
Blowing ferrous metal. F. L. Morrison. 2,584,151, Feb. 5.
Blowing iron. F. L. Morrison. 2,584,152, Feb. 5.
Blown oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,368, Jan. 8.
Blowpipe or cutting torch for flame cutting or removal of metal. L. G. Buckle. 2,622,668, Dec. 23.
Blowtorch. F. Hinton. 2,622,667, Dec. 23.
Blue-fluorescent dyestuffs. W. V. Wirth and S. E. Krahler. 2,581,057, Jan. 1.
Blue gas set. R. P. Oliveros. 2,582,847, Jan. 15.
Blue iron cyan compounds insoluble in water, Production of. E. Göbel. 2,622,037, Dec. 16.
Blur preventing means for rotary envelope printing mechanism. A. Novick. 2,589,848, Mar. 18.
Board: *See*—
- Adjustable drafting board.
- Adjustable ironing board.
- Chance controlled football game board.
- Child's shampoo board.
- Collating writing board.
- Cribbage board.
- Cross connecting board.
- Cruciform checker board.
- Diving board.
- Drafting board.
- Electrical bingo game board.
- Electrical instruction board.
- Equipped portable drawing board.
- Fabricated terminal board.
- Foldable ironing board.
- Game board.

Board: *See*—Continued.
- Glass cutting board.
- Hinged sectional ironing board.
- Indicator board.
- Insulation board.
- Ironing board.
- Multiple station game board.
- Oscillatable baseball game board.
- Outer board.
- Pad and cover attached ironing board.
- Panel board.
- Peg game board.
- Plural surface sleeve board.
- Pocketed ball game board.
- Portable collapsible ironing board.
- Portable foldable ironing board.
- Portable ironing board.
- Portable sectional ironing board.
- Portable table model ironing board.
- Quick-change casing stabbing board.
- Resin-impregnated leather board.
- Sound insulation board.
- Work progress board.

Boat anchor. V. G. Benedict. 2,612,131, Sept. 30.
Boat anchor hoist. E. A. Alderson and W. L. Adair. 2,605,082, July 29.
Boat and shield, Combustion. G. M. Dreher. 2,593,015, Apr. 15.
Boat and trailer assembly, Combination. R. E. Somers. 2,598,458, May 27.
Boat carrier. L. A. Krider. 2,608,314, Aug. 26.
Boat carrier for automobiles. D. N. Berry. 2,613,020, Oct. 7.
Boat, Collapsible. R. Jarvi. 2,589,087, Mar. 11.
Boat, Collapsible. F. Ronne. 2,580,465, Jan. 1.
Boat construction. W. H. Evans. 2,617,376-7, Nov. 11.
Boat construction. A. C. Hoggatt. 2,592,697, Apr. 15.
Boat construction. M. Tym. 2,616,101, Nov. 4.
Boat control mechanism. E. A. Clark, Jr. 2,618,235, Nov. 18.
Boat cradle. J. S. Howard, Jr., and W. P. O. Clarke. 2,613,821, Oct. 14.
Boat, Fishing. E. C. S. Clark. 2,583,029, Jan. 29.
Boat, Folding. F. B. S. Grimston. 2,600,757, June 17.
Boat handle. M. D. Elder. 2,620,955, Dec. 9.
Boat hull construction. R. R. Hanson. 2,603,799, July 22.
Boat hull, Molded. R. J. Nebesar. 2,617,126, Nov. 11.
Boat, Hydrofoil. A. B. Hazard. 2,584,347, Feb. 5.
Boat launching apparatus. C. A. Linsmeier. 2,590,715, Mar. 25.
Boat lift. E. D. Le May and E. K. White. 2,585,664, Feb. 12.
Boat loading and carrying means. F. H. Squires. 2,584,163, Feb. 5.
Boatloading device for automobile tops. A. H. Sumner. 2,600,082, June 10.
Boat mooring apparatus. W. T. Loaney. 2,581,676, Jan. 8.
Boat motor flushing tank and hanger. J. E. Kiefer. 2,620,812, Dec. 9.
Boat outrigger float. H. H. Anderson. 2,596,194, May 13.
Boat propulsion device. D. K. Warner. 2,584,766, Feb. 5.
Boat propulsion device. A. A. Woods. 2,616,385, Nov. 4.
Boat reversing mechanism for outboard motors. J. R. Hoover. 2,608,946, Sept. 2.
Boat structure, Sectional and portable. W. J. Evert. 2,584,685, Feb. 5.
Boat trailer, Collapsible. T. R. Finlayson and B. E. Lee. 2,608,418, Aug. 26.
Boat troller. O. H. Kahler. 2,582,754, Jan. 15.
Bob pin carding machine. O. V. Gasser. 2,621,731, Dec. 16.
Bobber. P. I. Kissich. 2,615,276, Oct. 28.
Bobber. V. G. Martens. 2,607,154, Aug. 19.
Bobber. K. C. Simpson. 2,609,634, Sept. 9.
Bobber for use in casting for fish. C. L. Louthan. 2,592,441, Apr. 8.
Bobbin. R. P. Bennett. 2,605,059, July 29.
Bobbin. J. W. Berry. 2,617,613, Nov. 11.
Bobbin. T. E. Betner and J. R. Townsend. 2,615,650, Oct. 28.
Bobbin. L. F. Burlein. 2,583,995, Jan. 29.
Bobbin. N. E. Klein. 2,620,145, Dec. 2.
Bobbin and package wound thereon, Cop-type. E. Roatta and A. Peyssonneaux. 2,591,295, Apr. 1.
Bobbin battery indexing mechanism. K. Kulczycki. 2,611,394, Sept. 23.
Bobbin casing retaining means. E. Urscheler. 2,594,523, Apr. 29.
Bobbin cutter. E. K. Bauer and W. E. James. 2,609,876, Sept. 9.
Bobbin drag means for spinning frames and similar machines. E. Vokurka. 2,603,059, July 15.
Bobbin for hand knitting yarn and the like. J. Gomberg. 2,590,695, Mar. 25.
Bobbin for textile machines, Plastic. R. D. Gartrell. 2,605,979, Aug. 5.
Bobbin hanger. C. C. Bell. 2,614,758, Oct. 21.
Bobbin holder. E. J. Abbott. 2,614,759, Oct. 21.
Bobbin holder attachment for sewing machines. C. E. N. Holden. 2,619,926, Dec. 2.
Bobbin, Metal. W. H. Miller. 2,610,004, Sept. 9.
Bobbin package. J. B. W. Andrew, Jr. 2,588,791, Mar. 11.
Bobbin, Porous resilient. J. Annicq. 2,614,764, Oct. 21.
Bobbin stripper. R. J. Haug. 2,604,686, July 29.
Bobbin stripping apparatus. C. F. Whitaker. 2,613,425, Oct. 14.
Bobbin tip support for magazines. K. J. Hall. 2,617,449, Nov. 11.

Bobbin transfer mechanism. K. Kulczycki. 2,617,448, Nov. 11.
Bobbin winder. J. Armenti. 2,584,320, Feb. 5.
Bobbin winder for sewing machines. G. B. Hirsch and C. R. Backlin. 2,592,516, Apr. 8.
Bobbin winder protector for sewing machines. G. Greenberg. 2,583,482, Jan. 22.
Bobbin winding machine. R. P. Drake. 2,619,295, Nov. 25.
Bobbin winding machine. R. Heeley. 2,613,038, Oct. 7.
Bobbin with strand end attaching means. W. V. Goodhue. 2,614,771, Oct. 21.
Bobby pin. A. S. Robb. 2,604,103, July 22.
Bobby pin. B. K. Snyder. 2,598,456, May 27.
Bobby pin applier. L. Wayner. 2,600,711, June 17.
Bobby pin dispenser and hair curler. A. Filak. 2,596,017, May 6.
Bobby pin holder and spreader, Wrist-type. W. A. Buelow. 2,600,092, June 10.
Bobby pin placement. A. G. Suckley. 2,580,972, Jan. 1.
Bobby pin reconditioner. I. V. Thulin and J. M. Reichert. 2,621,551, Dec. 16.
Bobby pin reconditioning device. T. L. Adas. 2,590,364, Mar. 25.
Bobby pin spreader. E. A. Hayden. 2,606,563, Aug. 12.
Bobsled. E. Telenik. 2,619,358, Nov. 25.
Bodice structure. A. J. Tagliero. 2,583,716, Jan. 29.
Body and fender jack. E. M. Zinke. 2,620,011, Dec. 2.
Body and fender straightening tool. J. M. Johnson and B. P. Leaf. 2,597,103, May 20.
Body control mechanism for dump trucks. A. D. L. Hutchinson. 2,620,225, Dec. 2.
Body for a chuck having radially movable jaws. D. B. Huntting. 2,597,489, May 20.
Body for land vehicles, especially railway cars, and its assembly. A. G. Dean. 2,619,045, Nov. 25.
Body lifter. S. N. Davidson. 2,607,103, Aug. 19.
Body protective pad for use in contact sports. B. A. Pfaff. 2,609,537, Sept. 9.
Body protector. E. P. Haines. 2,603,786, July 22.
Body rest for viewing television. R. G. Stempel. 2,593,623, Apr. 22.
Body roller. E. C. Kradoska. 2,617,466, Nov. 11.
Body supported flashlight holder. C. M. Sears. 2,585,592, Feb. 12.
Body supporting mechanism for occupants of high-speed conveyances. W. Exton, Jr. 2,611,562, Sept. 23.
Boiler: *See*—
- Electrode boiler.
- Forced circulation boiler.
- Horizontal fire tube welded boiler.
- Steam boiler.
- Vertical flue downdraft boiler.

Boiler. R. C. Brierly. 2,609,798, Sept. 9.
Boiler. H. D. Coulbourn. 2,604,082, July 22.
Boiler. W. S. Patterson. 2,617,394, Nov. 11.
Boiler. N. G. Sandstrom. 2,606,535, Aug. 12.
Boiler. H. Veyssiere. 2,588,310, Mar. 4.
Boiler and furnace wall support. G. J. Schoessow. 2,583,599, Jan. 29.
Boiler construction. J. K. Dukas. 2,602,431, July 8.
Boiler feed control. P. H. Williams. 2,616,447, Nov. 4.
Boiler feed system. E. J. Le Claire and B. J. Heinzman. 2,608,202, Aug. 26.
Boiler feed water regulating apparatus. H. H. Weining and H. A. Schlieder. 2,604,902, July 29.
Boiler feedwater system. R. F. Schaub. 2,581,146, Jan. 1.
Boiler having removable smoke box closure, Fire tube. L. J. Henc. 2,595,523, May 6.
Boiler or cooker, Pressure type. C. Y. Tellander. 2,620,088, Dec. 2.
Boiler superheater. J. W. Throckmorton and J. S. Wallis. 2,621,636, Dec. 16.
Boiler tube protected against corrosive substances. J. A. Reich. 2,583,015, Jan. 22.
Boiler water reclaiming device. E. D. Hall and H. D. Barber. 2,604,209, July 22.
Boiler with central firebox and offset magazine, Symmetrical flue. W. H. Smith. 2,591,627, Apr. 1.
Boiler with combustion air-cooled superheater. F. G. Brinig. 2,623,507, Dec. 30.
Boiler with indirectly heated domestic supply, Return fire tube. A. E. Watts. 2,592,216, Apr. 8.
Boiler with internal heater, Vertical flue. W. B. Van Wert. 2,592,980, Apr. 15.
Boiler with safety lid, Milk. N. J. Caserta. 2,594,868, Apr. 29.
Boiling-point apparatus. F. B. Rolfson. 2,594,683, Apr. 29.
Boil-off apparatus for textile fabrics. V. T. Fahringer. 2,612,770, Oct. 7.
Bolometer. C. B. Aiken. 2,587,674, Mar. 4.
Bolometer. E. Weber and S. A. Johnson. 2,590,477, Mar. 25.
Bolster spring and snubber means for railway car trucks. C. D. Barrett. 2,613,075, Oct. 7.
Bolt finishing machine. C. D. Overly. 2,591,285, Apr. 1.
Bolt for locks. C. J. Webster and W. E. Anson. 2,600,350, June 10.
Bolt lock. H. A. Carlson. 2,599,691, June 10.
Bolt or cap screw, Self-locking. C. W. Brandon. 2,585,621, Feb. 12.
Bomb. M. Frisch and S. N. Arnold. 2,604,043, July 22.
Bomb. E. I. Lindman. 2,607,294, Aug. 19.
Bomb handling means. I. M. Laddon and T. P. Hall. 2,621,565, Dec. 16.
Bomb release system. G. C. Pearce. 2,608,131, Aug. 26.
Bomb slip and analogous releasable attachment. R. A. Firman. 2,610,887, Sept. 16.
Bomb slip, towing gear, and analogous releasable attachments. R. K. Pierson and R. A. Firman. 2,604,353, July 22.
Bombardment induced conductivity in solid insulators. A. J. Ahearn. 2,604,596, July 22.
Bombing instrument for aircraft. E. A. Wilkenson and P. T. Faxen. 2,609,729, Sept. 9.
Bombing method and apparatus. L. G. Pooler and M. F. Schoeffel. 2,600,428, June 17.
Bonded articles and composition therefor, Making. W. L. Wallace and N. P. Roble. 2,580,708, Jan. 1.
Bonded asbestos and making the same. J. S. Thompson. 2,592,521, Apr. 8.
Bonded glass fiber structures and method and composistion for use in manufacturing compositions. L. A. Kovreg. 2,619,475, Nov. 25.
Bonded magnetic core and producing it. J. G. Ford. 2,623,920, Dec. 30.
Bonded mineral fiber products and preparing the same. M. C. Armstrong and E. M. Lockhart. 2,604,427, July 22.
Bonding apparatus. J. L. Davis. 2,598,363, May 27.
Bonding closure materials, Method and apparatus for. W. F. Elser and K. L. Richard. 2,584,002, Jan. 29.
Bonding device for lightning protection. R. L. Hartwell. 2,623,918, Dec. 30.
Bonding machine with oscillator keying control. E. B. Snyder. 2,609,480, Sept. 2.
Bonding of isobutylene-isoprene copolymer to brass. F. P. Baldwin. 2,587,430, Feb. 26.
Bonding steel to silver. J. B. Brennan. 2,580,652, Jan. 1.
Bonding together of metals. W. Barr and J. Erskine. 2,619,715, Dec. 2.
Bonding using heat sealing protein adhesives. A. C. Beckel, J. C. Cowan, and P. A. Belter. 2,600,388, June 17.
Bonding vitreous enamels. A. E. Chester. 2,615,836, Oct. 28.
Bone clamp. J. R. Siebrandt. 2,583,896, Jan. 29.
Bone extractor. G. A. Biery. 2,580,992, Jan. 1.
Bone mat compositions. M. E. Sano. 2,621,145, Dec. 9.
Book. C. B. Cook. 2,583,998, Jan. 29.
Book. B. T. Taylor. 2,604,337, July 22.
Book and bookbinding. G. B. Wiser. 2,607,614, Aug. 19.
Bookbinding. G. B. Wiser. 2,583,403, Jan. 22.
Bookbinding adhesive and applying same. R. G. Brown. 2,612,463, Sept. 30.
Bookbinding machinery. J. A. E. Burls. 2,585,433, Feb. 12.
Bookcase. W. B. Cobbs. 2,612,272, Sept. 30.
Book display device. I. Politzer. 2,585,586, Feb. 12.
Book, Folding dollhouse. R. M. Bland. 2,608,026, Aug. 26.
Bookholder. W. L. Pollard. 2,612,721, Oct. 7.
Bookholder. C. Saecker. 2,599,416, June 3.
Book holder. M. J. Stone. 2,609,636, Sept. 9.
Bookholder and pocket construction, Combination. W. S. Darby and P. B. Thomas. 2,596,131, May 13.
Bookholder, Self-adjusting. T. J. Flabive. 2,598,368, May 27.
Bookholder, Student's. H. C. Heimann. 2,583,097, Jan. 22.
Bookholder, Utility. C. S. Tracy. 2,597,206, May 20.
Book index. W. M. Bock, Jr. 2,616,727, Nov. 4.
Book jacket. G. Zenick. 2,622,897, Dec. 23.
Bookkeeping device. W. T. Maass. 2,590,259, Mar. 25.
Bookkeeping machine. E. M. Magnusson. 2,588,023, Mar. 4.
Bookmark. L. G. Meyers. 2,610,074, Sept. 9.
Bookmarking device. E. T. Armand. 2,585,421, Feb. 12.
Book match dispenser. B. H. Locke. 2,597,940, May 27.
Book of perspective views. P. Manen-Mayol. 2,586,071, Feb. 19.
Book-page and letter sheet marker. L. B. Kuhn. 2,584,389, Feb. 5.
Bookrack, Multipurpose. R. J. Sportsman. 2,620,929, Dec. 9.
Bookrest. F. de Coste. 2,592,252, Apr. 8.
Book stitching and delivering machine. E. W. Belluche. 2,607,587, Aug. 19.
Book support attachment. H. R. Faulkner, J. N. Pettus and J. R. Bradshaw. 2,612,427, Sept. 30.
Booking apparatus. A. B. K. Aronsen. 2,606,776, Aug. 12.
Booklet. J. C. Long. 2,583,699, Jan. 29.
Booster apparatus for conveyer drives. G. G. Erland and A. B. Pearson. 2,586,630, Feb. 19.
Booster for lens edge grinding machines. E. M. Long. 2,618,106, Nov. 18.
Booster pump for automotive accessories. M. Bitzer. 2,620,630, Dec. 9.
Booster water heater. T. H. Corbett. 2,580,659, Jan. 1.
Boot and the like. L. J. McGarry. 2,585,260, Feb. 12.
Boot applicator for universal joints. L. E. Endicott. 2,618,051, Nov. 18.
Bootjack. D. Oblusteel. 2,603,393, July 15.
Boot with thick resilient insole, Invalid's. H. J. Bronson. 2,598,217, May 27.

Booth, Telephone. A. Glazer, N. R. Stryker, and H. F. Hopkins. 2,581,251, Jan. 1.
Booth, Telephone. P. H. Sherron. 2,584,626, Feb. 5.
Bore gauge. J. C. Hinkle. 2,581,256, Jan. 1.
Bore gauge head. W. J. Bryant, H. H. Gates, and T. H. Ljunggren. 2,590,151, Mar. 25.
Borehole apparatus centering guide. G. L. Kothny. 2,611,664, Sept. 23.
Borehole inclination indicating device. G. E. Brown. 2,596,759, May 13.
Borehole telemetering. R. A. Broding. 2,615,956, Oct. 28.
Bored casting handling device. N. C. Hill. 2,610,082, Sept. 9.
Boring and tapping. H. D. Stecher. 2,616,103, Nov. 4.
Boring bar and cutter. O. R. Briney, Jr. 2,618,990, Nov. 25.
Boring bar holder. C. B. Amstutz. 2,594,532, Apr. 29.
Boring cutter. E. J. Kaiser. 2,605,655, Aug. 5.
Boring head. W. H. Atkinson. 2,610,529, Sept. 16.
Boring jig or drill guide. C. E. Wellman. 2,602,238, July 8.
Boring machine. G. Brinkmann. 2,613,554, Oct. 14.
Boring machine, High-speed. O. V. De Bogart. 2,599,155, June 3.
Boring machine, Portable. S. C. Kuta. 2,617,455, Nov. 11.
Boring tool. W. Schierding. 2,587,231, Feb. 26.
Boric acid esters of mono-hydroxycycloalkanes. M. M. Clark. 2,613,219, Oct. 7.
Boron chloride production from an alloy of boron with tantalum. C. A. Hutchinson, Jr., and J. S. Smith. 2,589,391, Mar. 18.
Boron compounds, Preparation of. D. T. Hurd. 2,596,690, May 13.
Boron trifluoride, Preparing. I. Kirshenbaum. 2,622,014, Dec. 16.
Bottle and closure. S. J. Wolf. 2,584,522, Feb. 5.
Bottle and cup combination. M. H. Levi. 2,619,245, Nov. 25.
Bottle arranging machine. L. Wimmer. 2,596,319, May 13.
Bottle attachment device for use in preparing sparkling beverages. E. Blumauer. 2,584,183, Feb. 5.
Bottle cap. C. P. Hennon. 2,607,505, Aug. 19.
Bottle cap and massage unit, Liquid measuring. D. A. Andreoli. 2,603,211, July 15.
Bottle cap display structure. J. P. H. Leavitt. 2,605,893, Aug. 5.
Bottle cap lifter with pivoted arms. D. Acard. 2,599,968, June 10.
Bottle cap remover. W. Porter, Jr. 2,593,053, Apr. 15.
Bottle cap remover, Pivoted lever. E. Gedde. 2,592,679, Apr. 15.
Bottle cap with outlet means and having a resiliently supported closure member. C. B. Kinley. 2,620,098, Dec. 2.
Bottle capping machine. G. E. Ford. 2,599,820, June 10.
Bottle carrier. E. L. Arneson. 2,587,808, Mar. 4.
Bottle carrier. E. L. Arneson. 2,594,376–7, Apr. 29.
Bottle carrier. E. L. Arneson. 2,616,611, Nov. 4.
Bottle carrier. C. G. Butler. 2,580,995, Jan. 1.
Bottle carrier. H. L. Chapman. 2,606,702, Aug. 12.
Bottle carrier. R. Cottrel. 2,596,533, May 13.
Bottle carrier. J. F. Eder and G. H. Wilcox. 2,593,861, Apr. 22.
Bottle carrier. T. W. Foster. 2,584,689, Feb. 5.
Bottle carrier. C. L. Gilbert. 2,593,135, Apr. 15.
Bottle carrier. H. Z. Gray. 2,604,354, July 22.
Bottle carrier. R. Guyer. 2,622,777, Dec. 23.
Bottle carrier. M. H. Kowal. 2,606,712, Aug. 12.
Bottle carrier. J. C. Kuchel. 2,615,749, Oct. 28.
Bottle carrier. S. Lighter. Re. 23,501, May 20.
Bottle carrier. E. C. Medill and F. P. Hewitt. 2,609,227, Sept. 2.
Bottle carrier. F. J. Middlestadt. 2,616,602, Nov. 4.
Bottle carrier. E. B. Morgan. 2,616,600, Nov. 4.
Bottle carrier. G. A. Olson. 2,606,703, Aug. 12.
Bottle carrier. W. L. O'Sullivan. 2,615,750, Oct 28.
Bottle carrier. M. E. Palmquist and E. W. Lundstrom. 2,585,032, Feb. 12.
Bottle carrier. T. Schmidt. 2,599,787, June 10.
Bottle carrier. R. W. Stevenson. 2,589,452, Mar. 18. Apr. 22.
Bottle carrier. E. T. Wahlbom. 2,615,605, Oct. 28.
Bottle carrier and combination thereof with bottle crate. F. T. and D. I. D. Mayers. 2,603,377, July 15.
Bottle carrier and handle for use therewith. I. Nadolsky and L. D. Morehouse. 2,589,423, Mar. 18.
Bottle carrier convertible to a toy house. E. J. Hennessy. 2,581,100, Jan. 1.
Bottle case. R. W. Cooper. 2,613,841, Oct. 14.
Bottle closure. F. Dworacek. 2,590,949, Apr. 1.
Bottle closure. A. I. Roshkind. 2,582,721, Jan. 15.
Bottle closure. W. Satz. 2,586,440, Feb. 19.
Bottle closure. R. Sonnenberg. 2,607,503–4, Aug. 19.
Bottle closure. J. Staller. 2,619,246, Nov. 25.
Bottle closure, applicator, and liquid dispenser, Combined. W. Raab. 2,618,800, Nov. 25.
Bottle, Dose-dispensing. I. Leibenhaut. 2,616,593, Nov. 4.
Bottle feeding mechanism for washing machines. A. E. Ladewig. 2,614,678, Oct. 21.
Bottle filling apparatus. C. N. Nielsen. 2,606,706, Aug. 12.
Bottle filling machine with conveyer for conveying bottles to an elevator and pusher for pushing bottles from elevator to filling position. L. T. Cookson. 2,597,852, May 27.
Bottle for babies, Disposable feeding. E. Hair. 2,599,630, June 10.
Bottle handling apparatus. J. B. Hutaff. 2,602,555, July 8.
Bottle handling device. A. O. Reinking. 2,597,128, May 20.
Bottle handling device. A. O. Reinking. 2,597,181, May 20.
Bottle handling device. L. H. Schwarz. 2,604,355, July 22.
Bottleholder. K. M. Connor and C. W. Bogan. 2,596,009, May 6.
Bottle holder and carrier. S. Goldenberg. 2,616,751, Nov. 4.
Bottle lifter. O. L. Engstrom. 2,592,017, Apr. 8.
Bottle lifter. W. M. Stewart. 2,619,373, Nov. 25.
Bottle loader. E. L. Arneson. 2,587,953, Mar. 4.
Bottle-neck cleaning device, Rotatable. J. F. Banks. 2,605,489, Aug. 5.
Bottle, Nursing. F. H. Schellin. 2,588,991, Mar. 11.
Bottle opener and seal cutter. R. Eckenboy. 2,588,096, Mar. 4.
Bottle opener with spray guard. H. N. Lapetina and A. E. Hall. 2,608,115, Aug. 26.
Bottle opening device. L. E. Gould. 2,620,691, Dec. 9.
Bottle or container inspection apparatus. E. H. Britt. 2,612,815, Oct. 7.
Bottle or spray, Sprinkling. E. Dünfründ. 2,596,097, May 13.
Bottle rack. A. R. Gross. 2,580,676, Jan. 1.
Bottle seal and filter. L. W. Jordan. 2,585,938, Feb. 19.
Bottle seal cutter. L. J. Smith. 2,589,742, Mar. 18.
Bottle sorting machine. W. Hartig and J. J. Smith. 2,609,926, Sept. 9.
Bottle spinner. W. S. Powers, Jr. 2,581,879, Jan. 8.
Bottle stacker. A. L. Steck. 2,610,746, Sept. 16.
Bottle stopper, Dispensing. J. Macey. 2,598,403, May 27.
Bottle testing and sorting apparatus. W. Berthelsen. 2,606,657, Aug. 12.
Bottle uncapper, recapper, and ice-breaker, Combination. M. O. Polson. 2,622,781, Dec. 23.
Bottle viewing machine. D. L. Sissler. 2,597,680, May 20.
Bottle warmer. D. A. and H. N. Durham. 2,596,064, May 13.
Bottle warmer. A. B. Johnson. 2,582,781, Jan. 15.
Bottle-washing machine. K. W. Bowman. 2,617,434, Nov. 11.
Bottle-washing machine. F. P. Kessler. 2,617,435, Nov. 11.
Bottled beverage mixer. J. O. Ash. 2,617,635, Nov. 11.
Bottling equipment. E. M. Anderson. 2,602,301, July 8.
Bottom dumping container. G. R. Dempster. 2,599,618, June 10.
Bottom expander. P. E. Wixon and C. E. Chapman. 2,600,355, June 10.
Bottom holding structure for wire screens. A. Lang. 2,605,828, Aug. 5.
Bottom margin indicating mechanism for typewriters. P. J. Linskey. 2,606,642, Aug. 12.
Bottom tap ladle mechanism. E. W. Carter. 2,587,110, Feb. 26.
Bottomless box and balloon trawl net, including front netting and adjustably connected trawl board. G. C. Lewis. 2,618,879, Nov. 25.
Bouncing ball game apparatus. G. H. Forsyth. 2,614,839, Oct. 21.
Boundary layer energizing means for annular diffusers. J. G. Lee. 2,594,042, Apr. 22.
Boundary marker. A. S. Carlson. 2,610,502, Sept. 16.
Bow frog with improved hair clamping means. A. P. Lesinsky. 2,592,715, Apr. 15.
Bow hairing tool. B. A. Whiteman. 2,591,900, Apr. 8.
Bowl having removable pocket thereon. J. Duncan. 2,583,822, Jan. 29.
Bowl, Manicure. G. D. Webster. 2,580,981, Jan. 1.
Bowl scraper attachment for tractors. J. R. Marshall. 2,587,869, Mar. 4.
Bowling alley backstop mechanism. G. E. Hagquist. 2,611,614, Sept. 23.
Bowling ball and pin handling apparatus. G. A. Montooth and A. M. Bowen. 2,615,716, Oct. 28.
Bowling ball bag. F. M. Westley. 2,617,012, Nov. 4.
Bowling ball bumper and table support for automatic pin positioning machines. J. C. Clark. 2,583,208, Jan. 22.
Bowling ball cleaner. E. Tschudy. 2,587,927, Mar. 4.
Bowling ball finger grip. C. A. Schwoegler. 2,616,695, Nov. 4.
Bowling ball return mechanism. E. E. Pohl. 2,600,918, June 17.
Bowling game device, Simulated. L. A. Durant. 2,599,002, June 10.
Bowling game, Simulated. F. J. Bula. 2,609,203, Sept. 2.
Bowling machine totalizer. J. Millman and H. P. Stabler. 2,590,444, Mar. 25.
Bowling pin clearing device. H. E. Hutzelman. 2,583,103, Jan. 22.
Bowling pin dressing machine. A. M. Mason. 2,622,635, Dec. 23.
Bowling pin handling apparatus. G. A. Montooth. 2,616,694, Nov. 4.
Bowling pin holding apparatus. G. J. Schmidt. 2,611,613, Sept. 23.

Bowling pin pickup apparatus. G. A. Montooth. 2,616,693, Nov. 4.
Bowling pin pickup apparatus. G. A. Montooth. 2,616,750, Nov. 4.
Bowling pin refinishing lathe. L. Pogacsnik. 2,584,915, Feb. 5.
Bowling pin respotter. D. D. Jacobus. 2,583,052, Jan. 22.
Bowling pin respotter. M. Patterson. 2,611,611, Sept. 23.
Bowling pin respotting mechanism. G. J. Schmidt. 2,611,612, Sept. 23.
Bowling pin spotting and respotting apparatus. M. Patterson. 2,586,707, Feb. 19.
Bowling pin spotting mechanism. P. M. Nejedly and A. B. Johansson. 2,586,697, Feb. 19.
Bowling pin support and latch therefor, Movable simulated. L. A. Durant and M. J. Binks. 2,599,903, June 10.
Bowling pin tumbler. A. E. Spindt. 2,617,238, Nov. 11.
Box: *See*—
Cap connecting box.
Coin box.
Collapsible box.
Combination service and outlet box.
Conduit junction box.
Convertible flush and surface mountable panel board box.
Corsage box.
Display box.
Electric outlet box.
Electric safety wall box.
Electrical connection box.
Electrical distribution box.
Electrical wiring box.
Fire alarm signal station box.
Flower box.
Fly box.
Folding box.
Gas turbine nozzle box.
Gear box.
Golf club box.
Hinged box.
Hollow-walled box.
Insulated box.
Knockdown box.
Live bait box.
Lunch box.
Metal box.
Money box.
Mud box.
Nesting box.
Pad box.
Paper box.
Pastry box.
Picnic box.
Plastic molded box.
Pressed metal meter box.
Reduction gear box.
Ring box.
Safe box.
Self-locking box.
Self-locking folding box.
Sewing box.
Shuttle box.
Stuffing box.
Tackle box.
Telescoping box.
Thread box.
Wall box.
Wire line stuffing box.
Box. H. L. Metzger. 2,596,707, May 13.
Box. H. L. Metzger. 2,610,781, Sept. 16.
Box. P. Myers. 2,596,426, May 13.
Box. M. H. Robin. 2,593,190, Apr. 15.
Box and container handle. V. D. Grieve. 2,623,768, Dec. 30.
Box and crate, Knockdown. C. H. McGrath and R. L. Webster. 2,593,779, Apr. 22.
Box and material for use therein. C. D. Mattingly. 2,605,922, Aug. 5.
Box and pin separator for separable fastener stringers. L. H. Morin. 2,600,905, June 17.
Box assembly rack. O. H. Williamson. 2,618,208, Nov. 18.
Box blank handling machine. J. Bandura, R. J. Baisley, J. Pfeffer, and C. D. Keely. 2,585,076, Feb. 12.
Box closure. R. F. Snyder. 2,588,996, Mar. 11.
Box construction. W. Evans. 2,594,628, Apr. 29.
Box cradle, Collapsible. R. Tomchin. 2,619,768, Dec. 2.
Box dumper. E. A. Verrinder. 2,612,277, Sept. 30.
Box dumping apparatus. J. A. Byington. 2,623,652, Dec. 30.
Box dumping machine. D. S. Orlando. 2,583,490, Jan. 22.
Box extension ring. A. I. Appleton. 2,622,756, Dec. 23.
Box for displaying contents. M. M. Tierney. 2,585,056, Feb. 12.
Box for flatware. F. C. Wetherbee. 2,587,559, Feb. 26.
Box for stationery, Movable. L. K. Fleischmann. 2,587,827, Mar. 4.
Box forming machine, C. E. Palmer. 2,599,008, June 3.
Box handle and fastening means. R. C. Potts. 2,612,308, Sept. 30.
Box handling mechanism. Q. E. Bashore. 2,590,225, Mar. 25.
Box lid, Journal. D. S. Barrows. 2,586,599, Feb. 19.
Box lid making machine. N. A. Leash. 2,603,253, July 15.
Box liner spreading jig. J. Rutkiewicz and G. Grano. 2,581,447, Jan. 8.
Box load brace. H. C. Pierce. 2,608,165, Aug. 26.
Boxmaking machine. R. J. Gaubert and S. Marvin. 2,583,641, Jan. 29.
Boxmaking machine. V. D. Hery and B. L. Rich. 2,618,207, Nov. 18.
Boxmaking machine. S. W. Langdon. 2,604,828, July 29.
Boxmaking machine. W. B. Leavens, Jr. 2,580,562, Jan. 1.
Box or carton. L. Rosenfield. 2,604,254, July 22.
Box or carton, Folding. D. Levkoff. 2,593,773, Apr. 22.
Box or carton stripper machine. E. L. Hedstrom, M. C. Otto, and C. E. Gooderham. 2,588,384, Mar. 11.
Box or crate. J. F. Cella. 2,618,398, Nov. 18.
Box or tray, Stacking. F. J. Ullrich. 2,581,613, Jan. 8.
Box partition forming and inserting machine. J. B. Thaxton. 2,623,442, Dec. 30.
Box pleating machine. J. Silverman. 2,613,019, Oct. 7.
Box puff. C. H. Gilbert. 2,618,384, Nov. 18.
Box spring handle. W. F. Caster. 2,587,112, Feb. 26.
Box stacking mechanism. B. R. Daves and W. L. Irvine. 2,609,111, Sept. 2.
Box strapping tool. L. D. Rich. 2,595,886, May 6.
Box support for fin tubing. N. B. Miller. 2,608,388, Aug. 26.
Box top guard. P. M. and C. M. Allen. 2,615,239, Oct. 28.
Box wall for looms. H. Hoeber. 2,594,170, Apr. 22.
Box with locking handle. G. A. Taylor. 2,598,945, June 3.
Boxed produce carloading. H. C. Pierce. 2,585,269, Feb. 12.
Boxing head guard. S. F. Moore. 2,594,478, Apr. 29.
Bra forming device. R. MacHenry and C. A. Martin. 2,580,566, Jan. 1.
Brace, Back. H. Hörmann. 2,586,658, Feb. 19.
Brace bracket for scaffolds and the like. J. A. Kirkpatrick. 2,612,414, Sept. 30.
Brace, Clothesline. W. Felenchak. 2,597,628, May 20.
Brace, Drop foot. L. M. Goffredo. 2,584,010, Jan. 29.
Brace for correcting deformities in the feet of children. K. G. Robinson. 2,588,411, Mar. 11.
Brace for lady's garment. A. Licht. 2,595,088, Apr. 29.
Brace, Knee-supporting. F. J. Jovick. 2,587,166, Feb. 26.
Brace, Shank. L. Weinstein. 2,583,071, Jan. 22.
Brace support for steering idler arms. J. A. Langer. 2,588,544, Mar. 11.
Brace, Surgical. E. L. Jewett. 2,582,930, Jan. 15.
Bracing. R. W. Sutton and L. St. Cyr. 2,617,154, Nov. 11.
Bracing system for boxcar loads. H. C. Pierce. 2,608,166, Aug. 26.
Bracelet. H. Dinstman. 2,612,302, Sept. 30.
Bracelet. C. Feid. 2,600,232, June 10.
Bracelet. A. H. Metcalf. 2,582,878, Jan. 15.
Bracelet band holding and trimming device. C. G. Scott. 2,623,281, Dec. 30.
Bracelet chain. A. Corbi. 2,601,094, June 17.
Bracelet chains, Making. E. Prestinari. 2,610,463, Sept. 16.
Bracelet connector. H. H. Harris. 2,592 690, Apr. 15.
Bracelet, Expansible. J. M. Bender. 2,608,050, Aug. 26.
Bracelet, Expansible. F. L. Brecht. 2,591,778, Apr. 8.
Bracelet mounting for watches. L. L. Rasmussen. 2,590,572, Mar. 25.
Bracket: *See*—
Adjustable bracket.
Adjustable mirror bracket.
Article supporting bracket.
Bathtub supporting bracket.
Bed bracket.
Cable messenger clamping bracket.
Cornice mounting bracket.
Cornice support bracket.
Double shelf bracket.
Fence supporting bracket.
Hinged fixture supporting bracket.
Illuminated wall bracket.
Ladder bracket.
Lantern bracket.
Micrometer bracket.
Mote knife bracket.
Orthodontic bracket.
Safety ladder bracket.
Sash holding bracket.
Scaffold bracket.
Seat supporting bracket.
Spare wheel mounting bracket.
Spinneret supporting bracket.
Venetian blind hold-down bracket.
Window bracket.
Wire transportation repair bracket.
Bracket and holder for inverted container of bulk material with means for dispensing measured quantities of said material. B. Beatty. 2,584,781, Feb. 5.
Bracket and latch for oven doors, Combined. V. A. Benson. 2,611,360, Sept. 23.
Bracket for adjustably mounting oil burners. A. A. Marcus and J. S. Goldberg. 2,601,540, June 24.
Bracket for attaching index cards to telephones. C. E. Nagy. 2,580,819, Jan. 1.
Bracket for automobile signs. S. H. Cohen and E. Plitch. 2,591,337, Apr. 1.
Bracket for automobile visors, Pillar mounting. R. E. Dieterich. 2,606,788, Aug. 12.
Bracket for outboard motors. R. M. Witt. 2,613,896, Oct. 14.
Bracket for supporting clotheslines. J. B. Niles. 2,620,152, Dec. 2.
Bracket for supporting curtain rails. R. J. Murphy. 2,590,446, Mar. 25.
Bracket for tracks for sliding doors, One-piece supporting. S. B. Haseltine. 2,597,147, May 20.
Bracket for utility stands, End. J. W. Murray. 2,597,166, May 20.
Bracket or hanger, Garment receiving. F. R. Smith. 2,594,228, Apr. 22.
Bracket structure for pivotally supporting rearview mirrors carrying arms. F. Budreck. 2,616,648, Nov. 4.
Braided product and producing the same. N. C. Jeckel. 2,608,124, Aug. 26.
Brake: *See*—
Adjustable magnetic slip brake.
Airplane brake.
Auto brake.
Automatic fishing reel brake.
Band brake.
Clutch brake.
Duplex brake.
Electric brake.
Emergency brake.
Fishing reel brake.
Fluid pressure released brake.
Heater booster brake.
Hydraulic disk brake.
Inertia brake.
Internal expanding brake.
Internally expanding brake.
Jet airfoil brake.
Magnetic band brake.

Brake : See—Continued.
Magnetic fluid brake.
Magnetic fluid mixture brake.
Mechanical aircraft brake.
One-way band brake.
Railway brake.
Self-adjusting disk brake.
Self-applying electromagnetically releasable brake.
Self-equalizing brake.
Self-powering fluid brake.
Sheet metal brake.
Thread brake.
Truck auxiliary brake.
Vehicle brake.
Vehicle wheel brake.
Yarn brake.

Brake. H. J. Butler, 2,613,765, Oct. 14.
Brake. A. Y. Dodge. 2,596,379, May 13.
Brake. J. G. Hawley. 2,612,969, Oct. 7.
Brake. B. E. House. 2,595,143, Apr. 29.
Brake. W. G. Ransom. 2,615,536, Oct. 28.
Brake. O. Rasmussen and R. C. Rike. 2,580,701, Jan. 1.
Brake. E. R. Ross. 2,609,066, Sept. 2.
Brake. R. F. Smith. 2,609,892, Sept. 9.
Brake actuator. C. S. McCarthy. 2,588,027, Mar. 4.
Brake actuator for helicopter rotors, Hydraulic. J. W. Wheeler. 2,600,715, June 17.
Brake adjuster. W. A. Van Der Wilt. 2,587,931, Mar. 4.
Brake adjuster. J. Wilson. 2,622,709, Dec. 23.
Brake adjuster for hopper cars, Automatic. J. Wilson. 2,620,902, Dec. 9.
Brake adjuster, Hydraulic. E. R. Ross. 2,603,951, July 22.
Brake adjusting mechanism. H. L. Frick. 2,587,831, Mar. 4.
Brake and clutch. H. H. Talboys and S. A. Kraft. 2,605,863, Aug. 5.
Brake and clutch supporting structure. N. E. Wahlberg. 2,621,750, Dec. 16.
Brake and handle arrangement for baby carriages. R. S. Aries. 2,582,737, Jan. 15.
Brake and inching control mechanism for mechanical presses. L. B. Baldwin. 2,598,633, May 27.
Brake and stop mechanism. C. F. Rauen. 2,609,901, Sept. 9.
Brake assembly for presses. P. H. and G. I. Danly, and V. Georgeff. 2,584,191, Feb. 5.
Brake assembly for rotary card files. B. Discount. 2,612,970, Oct. 7.
Brake assembly, Hand. J. D. Baldwin, Jr., and F. D. Wyss. 2,591,495, Apr. 1.
Brake beam. C. K. Stillwagon. 2,613,767, Oct. 14.
Brake beam balancing link. A. M. Miers. 2,588,645, Mar. 11.
Brake beam stabilizer. R. B. Cottrell. 2,612,971, Oct. 7.
Brake construction, Disk. H. T. Lambert and C. R. Myers. 2,595,860, May 6.
Brake construction, Double disk hydraulic. H. T. Lambert and C. R. Myers. 2,595,859, May 6.
Brake control device, Automatic. M. M. M. Billon. 2,622,708, Dec. 23.
Brake control, Dual. I. J. Ehrenberg. 2,599,376, June 3.
Brake control for tilting mixing drums. R. A. Snyder. 2,603,463, July 15.
Brake control, Hydraulic. G. H. Whitney and A. J. Rosso. 2,585,711, Feb. 12.
Brake control mechanism. T. James, Jr. 2,616,767, Nov. 4.
Brake control valve. A. Dewandre. 2,606,077, Aug. 5.
Brake cooling baffle. C. E. Tack. 2,597,603, May 20.
Brake cylinder and slack adjuster, Combined. C. S. Kelley. 2,615,537, Oct. 28.
Brake cylinder device, Fluid pressure. A. J. Bent. 2,597,917, May 27.
Brake drum. C. W. Sinclair. 2,588,665, Mar. 11.
Brake equipment, Fluid pressure. W. M. Lewis. 2,587,051, Feb. 26.
Brake fluid leak detector. H. L. Reading. 2,611,048, Sept. 16.
Brake for fishing reels, Momentum controlled. C. L. Hunsicker. 2,598,387, May 27.
Brake for marine hatch cranes, Emergency. M. J. Reader. 2,621,760, Dec. 16.
Brake for planetary drives. C. W. Howard. 2,584,454, Feb. 5.
Brake for railway cars, Hand. G. E. Dath. 2,603,101, July 15.
Brake for railway cars, Hand. L. A. Marquardt and C. E. Gorton. 2,586,969, Feb. 26.
Brake for railway cars, Hand. H. W. Mulcahy. 2,618,170, Nov. 18.
Brake for strand-serving apparatus. T. T. Bunch. 2,602,282, July 8.
Brake for the hubs of bicycles, motorcycles, or the like. H. Klaue. 2,622,703, Dec. 23.
Brake for tractors, Safety hand. J. E. and T. A. Engels. 2,621,535, Dec. 16.
Brake for tremolos, Magnetic. C. W. Larson. 2,607,444, Aug. 19.
Brake for tubular frame vehicles, Adjustable. A. P. Douglas and L. J. Walters. 2,591,524, Apr. 1.
Brake for wheeled vehicles, Friction. A. Y. Dodge. 2,590,690, Mar. 25
Brake hanger stabilizer. D. M. Light. 2,590,714, Mar. 25.
Brake head mounting. F. E. Bachman. 2,590,062, Mar. 18.
Brake-holder control mechanism. G. A. Guernsey and K. A. Harmon. 2,594,155, Apr. 22.
Brake level structure. B. J. Powell. 2,621,537, Dec. 16.
Brake lever. C. S. Jacobs. 2,583,776, Jan. 29.
Brake lever assembly, Hand pull. R. A. Sandberg. 2,606,458, Aug. 12.
Brake lever assembly, Straight pull. R. A. Sandberg. 2,608,881, Sept. 2.
Brake lining and making same. J. E. Underwood and A. Hirsch. 2,611,727, Sept. 23.
Brake lining and making the same. G. Walters and H. C. Morton. 2,584,825, Feb. 5.
Brake lining removing machine. H. O. Reinwand. 2,616,339, Nov. 4.
Brake mechanism. D. P. Forbes. 2,599,247, June 3.
Brake mechanism. P. W. Gaenssle. 2,622,705, Dec. 23.
Brake mechanism. E. R. Price. 2,601,627, June 24.
Brake mechanism for casting reels. H. Randick. 2,581,555, Jan. 8.
Brake mechanism for motor-operated vehicles. H. E. Jurgens. 2,602,525, July 8.
Brake mechanism, Hand. E. C. Mersereau. 2,587,059, Feb. 26.
Brake mounting for independent wheel suspension. J. H. Booth. 2,623,613, Dec. 30.
Brake operated by steering means. E. H. Lohse. 2,591,171, Apr. 1.
Brake operating mechanism. N. Joseph. 2,614,663, Oct. 21.
Brake operating mechanism. C. J. Kelm. 2,606,629, Aug. 12.
Brake operating mechanism. G. R. Roesch. 2,598,133, May 27.
Brake pedal extension for motor vehicles. I. R. Fletcher, Sr. 2,609,705, Sept. 9.
Brake pipe vent control. S. Keller. 2,595,466, May 6.
Brake position controlled switch. S. Zenteckl. 2,585,206, Feb. 12.
Brake release control apparatus, Fluid pressure. A. T. Gorman. 2,587,039, Feb. 26.
Brake release mechanism. T. E. Smith. 2,619,207, Nov. 25.
Brake rigging. A. M. Miers. 2,613,766, Oct. 14.
Brake rigging. W. R. Schettler. 2,588,168, Mar. 4.
Brake rigging. W. R. Schettler. 2,606,632, Aug. 12.
Brake rigging device. B. S. Cain. 2,583,765, Jan. 29.
Brake rod and jaw assembly. F. H. Pletzsch. 2,621,062, Dec. 9.
Brake rotor. R. C. Pierce. 2,603,316, July 15.
Brake selector valve. E. K. Dombeck. 2,616,658, Nov. 4.
Brake shoe. H. E. Hodgson. 2,609,895, Sept. 9.
Brake shoe. B. E. House. 2,598,545, May 27.
Brake shoe adjusting and positioning means. R. F. Smith. 2,621,761, Dec. 16.
Brake shoe adjusting mechanism. S. Schnell. 2,620,049, Dec. 2.
Brake shoe bonding machine. H. B. Barrett. 2,609,310, Sept. 2.
Brake shoe gauge. R. A. Peters. 2,614,333, Oct. 21.
Brake shoe lining stripper. J. V. Urbano. 2,583,161, Jan. 22.
Brake shoe relining device. H. B. Barrett. 2,616,479–80, Nov. 4.
Brake shoe with removable lining. H. E. Swanson. 2,616,528, Nov. 4.
Brake slack adjusting mechanism. T. James, Jr. 2,616,527, Nov. 4.
Brake structure. C. Hollerith. 2,596,556, May 13.
Brake system. R. D. Robison. 2,597,598, May 20.
Brake system for vehicles. R. A. Kropp. 2,597,109, May 20.
Brake wear take-up. A. Y. Dodge. 2,596,380, May 13.
Brake wear take-up. A. E. Stocker. 2,584,510, Feb. 5.
Brake with lubricated disks. B. H. Shinn and J. E. Ullman. 2,581,941, Jan. 8.
Braking apparatus for roller conveyers. J. McKay. 2,590,994, Apr. 1.
Braking device. R. R. Crookston. 2,589,059, Mar. 11.
Braking device for wheel chairs. H. W. Foley. 2,599,051, June 3.
Braking mechanism. L. E. Rausenberger. 2,607,445, Aug. 19.
Braking mechanism. S. Schnell. 2,583,888, Jan. 29.
Braking mechanism for hose reeling apparatus. C. A. Rostine. 2,587,652, Mar. 4.
Braking mechanism for lap winding apparatus. R. J. Higginbotham. 2,594,925, Apr. 29.
Branding and dehorning chute for cattle. A. Osmetti. 2,591,191, Apr. 1.
Branding device, Portable. D. C. Severance. 2,585,504, Feb. 12.
Brass instrument cone-type mute. P. Daoust. 2,621,553, Dec. 16.
Brassière. S. S. Alberts. 2,622,244, Dec. 23.
Brassière. F. A. Cohen. 2,592,792, Apr. 15.
Brassière. I. Flores and J. Kellard. 2,594,549, Apr. 29.
Brassière. E. M. Fyffe. 2,592,265, Apr. 8.
Brassière. F. V. Graf. 2,615,164, Oct. 28.
Brassière. M. Gruber. 2,604,625, July 29.
Brassière. S. Halper. 2,623,212, Dec. 30.
Brassière. E. M. Harrington. 2,600,645, June 17.
Brassière. W. Kurland. 2,585,137, Feb. 12.
Brassière. J. P. Laird. 2,611,898, Sept. 30.

Brassière. E. McIlhinney. 2,581,036, Jan. 1.
Brassière. M. A. Richardson. 2,607,039, Aug. 19.
Brassière. W. M. Russell. 2,613,356, Oct. 14.
Brassière. O. A. Sabin. 2,583,445, Jan. 22.
Brassière. T. B. Schaumer. 2,586,267, Feb. 19.
Brassière. L. Spare. 2,607,038, Aug. 19.
Brassière. M. H. Thompson. 2,594,248, Apr. 22.
Brassière. A. E. Weatherly. 2,593,711, Apr. 22.
Brassière, Adjustable. M. L. Allison. 2,590,915, Apr. 1.
Brassière and slip, Combination. E. Garnett. 2,601,679, July 1.
Brassière connecting element. K. Van Leuven, Jr. 2,608,680, Sept. 2.
Brassière construction. W. D. Brown. 2,623,211, Dec. 30.
Brassière construction. S. H. Plon. 2,612,641, Oct. 7.
Brassière, Décolleté. S. Kaufman. 2,621,329, Dec. 16.
Brassière, Nursing. J. A. Coleman. 2,613,355, Oct. 14.
Brassière, Posture-corrective. T. A. Mungo. 2,591,462, Apr. 1.
Brassière slip, Combination. R. Marin. 2,585,567, Feb. 12.
Brassière, Strapless. M. K. Anderson. 2,588,603, Mar. 11.
Brassière, Wired. G. W. Gluckin. 2,586,529, Feb. 19.
Brassière with adjustable breast supporting members. J. J. Lo Cascio. 2,609,540, Sept. 9.
Braun tube for use in television. J. de Gier. 2,608,666, Aug. 26.
Brazing flux. L. E. Stark. 2,610,933, Sept. 16.
Brazing jig for finned heat exchanger envelopes. D. G. Peterson. 2,614,517, Oct. 21.
Brazing machine. M. T. Cahenzli, Jr., and E. W. Mack. 2,603,178, July 15.
Brazing thin brass members. H. W. Alexander. 2,591,994, Apr. 8.
Bread baking. H. A. Clark. 2,606,837, Aug. 12.
Breadbox. E. F. Lillie. 2,620,118, Dec. 2.
Bread feeding machine. E. A. Rudolph. 2,611,470, Sept. 23.
Bread loaf. A. Ryder. 2,608,485, Aug. 26.
Bread wrapping machine. B. Stern. 2,608,811, Sept. 2.
Breakup bank for composing rooms. G. Muff. 2,584,039, Jan. 29.
Breaker bar screen means for rigid hammer rotary impact crushers. J. Chrystal. 2,618,438, Nov. 18.
Breaker block for rolling mills. W. H. Bailey. 2,612,798, Oct. 7.
Breaker strip construction. C. E. Sulcek. 2,587,922, Mar. 4.
Breaking emulsions of the oil-in-water class. L. T. Monson. 2,589,199–201, Mar. 11.
Breaking oil-in-water emulsions. L. T. Monson. 2,589,198, Mar. 11.
Breaking petroleum emulsions. M. De Groote. 2,602,051–69, July 1.
Breaking petroleum emulsions. M. De Groote. 2,605,230–3, July 29.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,594,541–2, Apr. 29.
Breaking sinter cake during sintering. W. Kelsey. 2,614,020, Oct. 21.
Breaking water-in-oil emulsions. W. H. Kirkpatrick and J. W. Ryznar. 2,615,853, Oct. 28.
Breakwater. O. P. Kubach. 2,608,065, Aug. 26.
Breast cover. C. L. Langs. 2,596,567, May 13.
Breast pad structure. A. G. Leo and T. B. Tinker. 2,598,003, May 27.
Breast supporter and former. J. Copenhagen. 2,611,129, Sept. 23.
Breathing device for storage tanks. H. A. Quist. 2,591,098, Apr. 1.
Breech block and firing mechanism therein. W. Summerbell. 2,580,483, Jan. 1.
Breech bolt blocking device, Self-acting. B. Guisasola. 2,608,136, Aug. 26.
Breech bolt lock and actuator for firearms. H. R. Clarke. 2,601,808, July 1.
Breech closing construction for firearms. M. H. Walker. 2,585,195, Feb. 12.
Breech mechanism for air guns. A. Lawrence. 2,601,033, June 17.
Breech mechanism for guns having replaceable liner. L. Mackta. 2,618,877, Nov. 25.
Breech operating mechanism for automatic firearms. C. E. Simpson. 2,582,288, Jan. 15.
Brewing apparatus. F. N. Cronholm. 2,599,812, June 10.
Brewing apparatus. W. B. Wier. 2,623,450, Dec. 30.
Brick from nonrefractory raw clay, Manufacturing. H. A. Gronroös. 2,585,116, Feb. 12.
Brick grease composition. L. W. Sproule and L. F. King. 2,591,630, Apr. 1.
Bricklayer's guide. J. R. Munn. 2,585,160, Feb. 12.
Bricklayer's scutch. R. J. Watson. 2,603,537, July 15.
Bricklaying machine. E. L. Harney. 2,599,552, June 10.
Brick pack. C. R. Friesner. 2,596,071, May 6.
Brick package and making same. B. E. Persson, T. E. Lundgren and R. M. Elgenstierna. 2,605,898, Aug. 5.
Brick unit form. H. J. Abreu. 2,593,954, Apr. 22.
Bridge circuit. J. T. Bailey. 2,595,626, May 6.
Bridge-connected relay. W. E. Glassburn. 2,605,325, July 29.
Bridge for eyeglasses. R. A. Morse, Sr. 2,607,271, Aug. 19.
Bridge network. J. H. Mennie. 2,607,827, Aug. 19.
Bridge plug and dump bailer. A. W. Tucker. 2,618,345, Nov. 18.
Bridge scorer, Contract. K. L. Thompson. 2,605,049, July 29.
Bridge table cover. I. Eisman. 2,586,153, Feb. 19.
Bridge type deflection circuit. D. F. Winter. 2,612,620, Sept. 30.
Bridged T phase shifter. P. H. Richardson. 2,585,841–2, Feb. 12.
Bridges for stringed musical instruments. M. Maccaferri. 2,614,448, Oct. 21.
Bridging for floor joists. T. G. Pestak. 2,623,246, Dec. 30.
Bridging plug. G. F. Turechek and D. G. Moorhouse. 2,618,344, Nov. 18.
Briefcase and making same. W. R. Hickler. 2,581,763, Jan. 8.
Bright copper plating from cyanide baths. F. Passal. 2,609,339, Sept. 2.
Bright drying finishing composition. D. Schoenholz and H. Terry. 2,596,960, May 13.
Bright, stable, and lightproof sulfonamide resins, Manufacture of. E. B. Bengtson. 2,609,356, Sept. 2.
Bright strip annealing apparatus. F. T. Cope. 2,602,653, July 8.
Bright zinc electroplating. C. J. Wernlund. 2,600,352, June 10.
Brightening and passivating cadmium and zinc. F. X. Thomson. 2,610,133, Sept. 9.
Brightening bath. H. J. Reindl and S. R. Prance. 2,614,913, Oct. 21.
Brightness meter. M. N. Fairbank and L. Rosenblum. 2,590,165, Mar. 25.
Brine evaporation system. W. H. Farnsworth. 2,588,099, Mar. 4.
Briquettes and making same. G. Komarek and W. J. Chapman. 2,582,386, Jan. 15.
Briquetting combustible materials. J. L. M. Rabu. 2,618,557, Nov. 18.
Briquetting machine. A. L. Stillman. 2,621,364, Dec. 16.
Bristle and handle retaining unit for brushes. L. W. Simms. 2,610,345, Sept. 16.
Broaching machine. M. Fox. 2,617,333, Nov. 11.
Broaching machine. E. C. Raehrs. 2,587,896, Mar. 4.
Broad band electrical discharge device. M. D. Fiske. 2,587,305, Feb. 26.
Broad band-pass circuit arrangement. A. M. J. Jaspers. 2,613,268, Oct. 7.
Broad-banded termination for electromagnetic wave transmission systems. N. R. Wild. 2,591,223, Apr. 1.
Broadcasting television performances. J. Leonard. 2,601,441, June 24.
Broiler. S. S. Roberts. 2,582,720, Jan. 15.
Broiler and barbecue device, Collapsible. A. Panken. 2,618,730, Nov. 18.
Broiler and griddle, Combination charcoal. W. E. Roney. 2,621,586, Dec. 16.
Broiler burner and radiant screen for gas cooking ranges. C. M. Mayer. 2,582,642, Jan. 15.
Broiler burner with solid and foraminous flame baffle, Gas fueled. C. J. Buhman and J. A. Nelson. 2,602,497, July 8.
Broiler for frankfurters or similar articles, Rotary vertical. W. Z. Horvat and B. R. Glass. 2,614,486, Oct. 21.
Broiler, Portable. H. W. Foley. 2,600,234, June 10.
Broiler, Portable. J. Krissel. 2,607,286, Aug. 19.
Broiler, Portable. B. N. Winning and J. F. Trotter. 2,608,190, Aug. 26.
Broiler, Upright. G. Amanatides. 2,581,570, Jan. 8.
Broiling equipment for use in ovens. L. S. Chadwick and M. Resek. 2,604,033, July 22.
Broken pipe extractor. W. R. Sill. 2,595,008, Apr. 29.
Brominating 1-amino-2-sulfoanthraquinone. C. E. Hieserman. 2,590,247, Mar. 25.
Brominating xylene. J. L. Betts, Jr., and A. L. Chaney. 2,591,498, Apr. 1.
Bromination of aromatic compounds. E. C. Britton and R. M. Tree, Jr. 2,607,802, Aug. 19.
Bromine water feeder. D. Lundy. 2,610,148, Sept. 9.
Brooder. M. Klay. 2,604,875, July 29.
Brooder and runs, Combined. H. Holdredge. 2,593,029, Apr. 15.
Brooder, Bee. T. Bennett. 2,600,194, June 10.
Brooding method. J. W. Napier. 2,588,868, Mar. 11.
Broom and mop rack. E. B. Murrell. 2,584,219, Feb. 5.
Broom bridle. O. R. Grube. 2,593,140, Apr. 15.
Broom cap. S. C. Tuttle. 2,612,336, Sept. 30.
Broom, Hand. R. R. Reed. 2,609,557, Sept. 9.
Broom hanger. F. R. Falkner. 2,616,143, Nov. 4.
Broom holder with replaceable broom head, Detachable. M. Z. Roman. 2,614,282, Oct. 21.
Brow-bar support for goggles. F. W. Lindblom. 2,614,314, Oct. 21.
Brush, Abrading. C. E. Sturgis. 2,599,076, June 3.
Brush and brush handle, Adjustable. N. J. Raptis. 2,581,141, Jan. 1.
Brush and brush material. R. O. Peterson. 2,609,642, Sept. 9.
Brush and comb, Combination rotary. J. Belmonte. 2,582,409, Jan. 15.

Brush and dyer, Rug and carpet cleaning. T. Hannah. 2,607,063, Aug. 19.
Brush and handle assembly. H. W. Stephenson and B. D. Hall. 2,604,649, July 29.
Brush and polisher, Combination floor. C. S. Lofgren. 2,601,537, June 24.
Brush applicator mounting and closure sealing means, Combined. C. A. Mureau. 2,587,198, Feb. 26.
Brush, Ball processing. G. W. Hayes and O. Sloan. 2,619,666, Dec. 2.
Brush belt removing means for vacuum cleaners. C. S. Dayton. 2,616,115, Nov. 4.
Brush, Bristle gigging. H. C. Dunn. 2,594,886, Apr. 29.
Brush cleaner for pants cuffs, Rotary. R. F. Tuck. 2,580,863, Jan. 1.
Brush container. F. Lieberman. 2,622,728, Dec. 23.
Brush control for carpet sweepers. F. W. Pullen. 2,596,170, May 13.
Brush element and manufacture. B. E. Nelson. 2,609,242, Sept. 2.
Brush element of the strip type. R. W. Vose, A. L. Le Febvre, and E. D. Hargreaves. 2,616,111, Nov. 4.
Brush ferrule. F. M. Vonnegut. 2,583,908, Jan. 29.
Brush, Foot. E. W. Baumbach. 2,591,331, Apr. 1.
Brush for cleaning Venetian blinds, Rotary. J. P. Morell. 2,615,192, Oct. 28.
Brush for cleaning Venetian blinds, Suction. J. P. Zaidan. 2,608,710, Sept. 2.
Brush for hot-air furnace radiators or the like, Expansible cleaning. W. N. Hadley. 2,581,480, Jan. 8.
Brush for internal grinding and cutting, Abrasive wire. H. A. Fromson. 2,608,034, Aug. 26.
Brush for phonograph needles. W. H. Zimmerman. 2,583,622, Jan. 29.
Brush for suction cleaners, Rotary. W. D. Sellers. 2,601,693, July 1.
Brush for tenderizing meat, Hand. F. D. Johnson. 2,594,174, Apr. 22.
Brush, Fountain. R. B. Maestas. 2,603,805, July 22.
Brush having bristle cleaning apertures. F. J. Marco. 2,582,552, Jan. 15.
Brush having looped bristles, Dental. R. J. Meunier. 2,599,191, June 3.
Brush having ramrod means in cap for projecting brush to operative position, Spring-retracted lip. D. Gordon. 2,607,942, Aug. 26.
Brush holder. J. D. McDonald. 2,602,100, July 1.
Brush holder and guide. M. A. and E. J. Gaffer. 2,610,344, Sept. 16.
Brush-holder for electric machines. L. Peterlik. 2,607,817, Aug. 19.
Brush holder for electric motors and the like. W. P. Luther and G. Rudat. 2,584,214, Feb. 5.
Brush holder for miniature electric motors. S. I. Berger. 2,602,099, July 1.
Brush in a suction cleaning tool, Adjustable. W. A. Humphrey. 2,591,262, Apr. 1.
Brush, Including removable bristle holding cores, Vacuum cleaning. F. P. De Lorenzo. 2,606,338, Aug. 12.
Brush machine, Wire drawn. R. B. Wilson. 2,603,536, July 15.
Brush-making machine. E. Aberle. 2,612,409, Sept. 30.
Brushmaking machine. A. L. Le Febvre. 2,607,629, Aug. 19.
Brushmaking machine. A. L. Le Febvre, C. F. Smith, and W. Groskritz. 2,607,630, Aug. 19.
Brush-making machine. M. J. First. 2,609,241, Sept. 2.
Brush mechanism. W. H. Mitchell. 2,615,939, Oct. 28.
Brush mechanism. H. W. Schaffer. 2,590,796, Mar. 25.
Brush, Portable water operated rotary cleaning. E. Haines. 2,599,911, June 10.
Brush, Powder dispensing. A. B. Van Handel. 2,620,810, Dec. 9.
Brush roll construction. L. E. Jones. 2,583,336, Jan. 22.
Brush, Rotary. F. D. Dolan. 2,605,490, Aug. 5.
Brush, Rotary. R. O. Peterson. 2,609,559, Sept. 9.
Brush, Rotary vehicle washing. L. J. Rousseau. 2,613,383, Oct. 14.
Brush, Rubber set. N. Hageal and A. E. Latta. 2,618,008, Nov. 18.
Brush, Sectional. E. Cortes. 2,589,779, Mar. 18.
Brush, Self-cleaning push. D. T. Price. 2,607,941, Aug. 26.
Brush, Suspension-type chimney. W. J. Abo. 2,602,177.
Brush tips, Making. W. C. Marsh. 2,610,896, Sept. 16.
Brush, Window washing fountain. M. Soss. 2,584,630, July 8, Feb. 5.
Brush, Window washing mixture fountain. M. Soss. 2,584,631, Feb. 5.
Brush with pivoted handle, Bottle. J. P. Schleenbaker. 2,584,503, Feb. 5.
Brush wrapping machine, Two-web rotary. J. S. Stokes and E. W. Bleam. 2,597,042, May 20.
Brusher, Potato. T. J. Lockwood. 2,604,646, July 29.
Brushes, Making. B. E. Sugerman and J. L. Been. 2,604,362, July 22.
Brushes, Method of and apparatus for making. L. F. Kutik. 2,592,296, Apr. 8.
Brushing apparatus for burners. K. W. Reynolds. 2,593,920, Apr. 22.
Bubble bath mixer. J. E. Kiser. 2,596,901, May 13.
Bubble blower. L. W. Wagner. 2,618,886, Nov. 25.
Bubble blowing apparatus. J. C. Scott. 2,587,537, Feb. 26.
Bubble blowing device. F. A. Quinn, Jr., and M. Tryon. 2,587,895, Mar. 4.
Bubble blowing device. J. C. Scott. 2,587,536, Feb. 26.
Bubble cap. C. L. Haynes. 2,602,652, July 8.
Bubble cap and holddown device. C. L. Haynes and H. W. Breer. 2,612,360, Sept. 30.
Bubble cap for washing gases and vapors. H. N. Wade. 2,600,710, June 17.
Bubble forming device, Automatic. J. C. Scott. 2,587,535, Feb. 26.
Bubble shooter. W. R. Hill. 2,606,396, Aug. 12.
Bubble tower. F. J. Kerrigan. 2,596,249, May 13.
Bubble tower. H. E. Serner. 2,582,657, Jan. 15.
Bubbler fountain head. R. A. Rosenblum. 2,585,845, Feb. 12.
Bucket. F. Sorron-Zabala. 2,620,006, Dec. 2.
Bucket, Aerating minnow. J. R. Ginter. 2,584,385, Feb. 5.
Bucket attachment for mine shaft excavations. E. J. Donald. 2,597,711, May 20.
Bucket attachment for turbine wheels. G. A. Sturgess. 2,605,996, Aug. 5.
Bucket, Charging. J. N. Richardson. 2,602,000, July 1.
Bucket, Clamshell. R. O. Billings. 2,621,428, Dec. 16.
Bucket, Clam-shell. E. T. Freyer. 2,594,763, Apr. 29.
Bucket, Clamshell. W. A. Olson. 2,617,211, Nov. 11.
Bucket cleaner for trench digging machines. W. H. Hellums. 2,607,136, Aug. 19.
Bucket, Collapsible. P. Belokin, Jr. 2,580,879, Jan. 1.
Bucket, Composite spinning. H. D. Haley. 2,604,751, July 29.
Bucket conveyer structure. H. W. Hapman. 2,615,557, Oct. 28.
Bucket discharge means. J. R. Steelman. 2,621,810, Dec. 16.
Bucket dumping mechanism for dump-type scoops. M. C. and W. J. Wills. 2,597,692, May 20.
Bucket elevator and feed means therefor. H. H. Talboys. 2,595,312, May 6.
Bucket, Ice. C. Denrboudes. 2,604,579, July 22.
Bucket liner, Metallic. H. D. Haley. 2,592,562, Apr. 15.
Bucket, Minnow. E. L. Goode. 2,587,834, Mar. 4.
Bucket or shovel construction for loaders. H. M. Stueland. 2,612,280, Sept. 30.
Bucket pin for dredging apparatus. G. P. Barker. 2,622,449, Dec. 23.
Bucket seat. R. G. Le Tourneau. 2,605,819, Aug. 5.
Bucket, Slusher. J. O. Pitts. 2,588,657, Mar. 11.
Bucket tilting attachment for loaders. N. S. Smith. 2,619,244, Nov. 25.
Bucking current circuit for half-tone fidelity correction. F. A. Hester and J. W. Smith. 2,612,429, Sept. 30.
Buckle. M. C. Becker. 2,585,619, Feb. 12.
Buckle. R. Gardner. 2,604,682, July 29.
Buckle. J. Horn. 2,618,827, Nov. 25.
Buckle. M. Rishcoff. 2,616,140, Nov. 4.
Buckle. J. E. Smith. 2,603,847, July 22.
Buckle. N. L. Tannersjö. 2,602,977, July 15.
Buckle. P. W. White. 2,599,031, June 3.
Buckle. P. W. White and J. J. Schutz. 2,591,648, Apr. 1.
Buckle, Belt. J. D. Gosselin. 2,604,683, July 29.
Buckle, Belt. G. Grandi. 2,598,369, May 27.
Buckle, Belt. C. Marien. 2,597,155, May 20.
Buckle, Belt. M. Medlin. 2,613,417, Oct. 14.
Buckle, Belt. V. Telles. 2,607,975, Aug. 26.
Buckle, Expandable and contractible. H. J. O'Neill. 2,588,655, Mar. 11.
Buckle, Expansion. J. R. Whitehouse. 2,604,632, July 29.
Buckle for holding ribbons. M. Brown. 2,613,420, Oct. 14.
Buckle for straps and the like. W. A. Bedford, Jr. 2,615,223, Oct. 28.
Buckle for the suspension straps leading from a parachute harness to the parachute, Adjusting. C. H. Lundholm. 2,584,358, Feb. 5.
Buckle, Garment. C. E. Anderson. 2,607,970, Aug. 26.
Buckle, Key retaining. F. Oldal. 2,597,170, May 20.
Buckle link applying machine for bale straps. L. R. Smida. 2,612,203, Sept. 30.
Buckle, Lock. H. R. Kirsten. 2,618,826, Nov. 25.
Buckle or strap fastening. A. G. Pehaczek. 2,622,292, Dec. 23.
Buckle, Quick-release. E. C. Elsner. 2,590,851, Apr. 1.
Buckle, Safety belt. O. R. Wermlinger. 2,622,293, Dec. 23.
Buckle with fastener member on slider, Gripping slider type. R. E. Ross. 2,615,218, Oct. 28.
Buckle with pivoted tongue. H. E. David. 2,591,787, Apr. 8.
Buckling folding machine. F. J. Rouan and J. W. Bach. 2,589,436, Mar. 18.
Buffer backing pad. D. R. Wiley. 2,581,567, Jan. 8.
Buffer for children, Protective. J. R. Amoroso. 2,621,327, Dec. 16.
Buffer means. H. L. Bone and K. J. J. McGowan. 2,588,798, Mar. 11.
Buffing. B. P. Sax. 2,599,785, June 10.
Buffing and polishing device. M. L. Monger. 2,601,048, June 17.

Buffing and polishing machine, Rotary. L. H. Burnham. 2,597,971, May 27.
Buffing wheel. F. E. Hendrickson. 2,581,411, Jan. 8.
Buffing wheel. J. J. Lawler. 2,602,273–4, July 8.
Buffing wheel. J. F. Leslie. 2,607,171, Aug. 19.
Buffing wheel. H. J. McAleer. 2,616,227, Nov. 4.
Buffing wheel. L. B. Sax and T. H. Kingsbury. 2,582,506, Jan. 15.
Buffing wheel. C. F. Schlegel. 2,616,228, Nov. 4.
Buffing wheel. L. M. Seelenfreund. 2,594,812, Apr. 29.
Buffing wheel. J. V. Tullo. 2,608,035, Aug. 26.
Buffing wheel section. E. W. Hall. 2,593,672–3, Apr. 22.
Building. H. S. Shannon. 2,620,903, Dec. 9.
Building. E. P. Simon. 2,585,051, Feb. 12.
Building. E. P. Simon. 2,602,968, July 15.
Building and shaping plastic products without molds. M. C. Sutton. 2,596,184, May 13.
Building block. C. C. Hall. 2,610,503, Sept. 16.
Building block. K. E. Weiss. 2,583,912, Jan. 29.
Building block. L. H. Weitz, Jr. 2,598,867, June 3.
Building block and wall, Hollow interlocked. N. T. Baldanza. 2,594,378, Apr. 29.
Building block construction. E. L. Preston. 2,611,261, Sept. 23.
Building block machine. B. Regan. 2,615,228, Oct. 28.
Building block of wood. N. R. Alenius. 2,620,527, Dec. 9.
Building blocks and the like, Making faced. J. A. Knighton. 2,601,532, June 24.
Building commutators. W. L. Wright and E. O. Mueller. 2,618,844, Nov. 25.
Building construction. F. P. Bingman. 2,590,227, Mar. 25.
Building construction. W. K. Davis. 2,581,521, Jan. 8.
Building construction. H. M. Day and G. H. Urban. 2,602,526, July 8.
Building construction. S. B. Dombrowski. 2,619,686, Dec. 2.
Building construction. A. H. Gerber. 2,586,934, Feb. 26.
Building construction. J. E. Haddon. 2,583,422, Jan. 22.
Building construction. T. B. Hurd. 2,610,709, Sept. 16.
Building construction. C. W. Kelly. 2,608,276, Aug. 26.
Building construction. F. A. Redford. 2,601,819, July 1.
Building construction. E. L. Sheppard. 2,589,879, Mar., 18.
Building construction and structural units therefor. G. M. Rapp. 2,590,123, Mar. 25.
Building construction roll supporting reel. J. B. Gabrielson. 2,614,770, Oct. 21.
Building drum, Collapsible. H. C. Hodgkins. 2,583,650, Jan. 29.
Building foundation. N. S. Black. 2,595,633, May 6.
Building framework. H. S. Shannon. 2,610,708, Sept. 16.
Building guide. R. J. Parker. 2,616,180, Nov. 4.
Building material and making same. O. G. Bowen and R. W. Novell. 2,583,292, Jan. 22.
Building mechanism for packages of yarn. G. H. Pimley. 2,599,347, June 3.
Building panel, Double-walled. M. D. Wilson. 2,621,378, Dec. 16.
Building structure. C. A. Ajne. 2,587,804, Mar. 4.
Building structure. H. H. Crafton. 2,590,687, Mar. 25.
Building structure. A. S. Macdonald. 2,616,529, Nov. 4.
Building structure. L. C. Riggle. 2,603,317, July 15.
Building structure. H. S. Shannon and T. B. Hurd. 2,610,707, Sept. 16.
Building structure. H. G. Smith. 2,603,171, July 15.
Building structure, Prefabricated. W. Brauer. 2,620,651, Dec. 9.
Building tires, Method and apparatus for. J. K. Boughton. 2,605,195, July 29.
Building unit. W. P. Branstrator, H. J. Rabb, and A. G. Mess. 2,616,283, Nov. 4.
Building unit. E. L. Chamberlain. 2,592,244, Apr. 8.
Built-in deck chair. P. L. Hall. 2,583,372, Jan. 22.
Built-up silica particles, Producing. G. B. Alexander, R. K. Iler, and F. J. Wolter. 2,601,235, June 24.
Bulb changer. J. A. McDermott. 2,592,165, Apr. 8.
Bulb setter. E. C. Chatfield. 2,589,774, Mar. 18.
Bulk delivery system for drop delivery bins. G. P. Carver and P. L. Pike. 2,596,838, May 13.
Bulk materials freight container. A. J. Doyle. 2,605,940, Aug. 5.
Bulkhead drier. P. E. Geldhof. 2,619,736, Dec. 2.
Bull lead with quick release. D. O. Wendt. 2,595,432, May 6.
Bulldozer or shovel, Convertible. G. T. Shoosmith. 2,599,491, June 3.
Bulletproof fuel tank. A. M. Howald and L. S. Meyer. 2,601,525, June 24.
Bumper. J. R. Maag. 2,593,586, Apr. 22.
Bumper. M. Zitarosa. 2,603,517, July 15.
Bumper and chassis construction, Automobile. H. A. Darrin. 2,621,066, Dec. 9.
Bumper and grille, Combination front. J. Dykstra. 2,621,955, Dec. 16.
Bumper for motor vehicles. A. A. Lopes and A. Marmo. 2,600,060, June 10.
Bumper guard. S. Benian. 2,614,877, Oct. 21.
Bumper guard and jack, Combination. F. Brown. 2,621,956, Dec. 16.
Bumper guard structure. R. H. Arbib. 2,613,099, Oct. 7.
Bumper guard, Rubber-faced. W. S. Brand. 2,620,216, Dec. 2.
Bumper hitch. A. N. Milster. 2,613,949, Oct. 14.
Bumper jack and applying the same. A. C. Quarnstrom. 2,608,431, Aug. 26.
Bumper jack attachment device. B. J. Chapman. 2,610,746, Nov. 4.
Bumper mounting and nozzle assembly for suction cleaners. O. L. Allen. 2,622,263, Dec. 23.
Bumper seat for automobiles. J. D. Branson. 2,612,207, Sept. 30.
Bumper structure. L. D. Thostenson. 2,589,644, Mar. 18.
Bumper structure. A. Ulmaniec. 2,613,976, Oct. 14.
Bumper tool. A. A. S. Hakkerup. 2,616,317, Nov. 4.
Bumping post. S. W. Hayes. 2,596,240, May 13.
Bun forming machine. C. W. Brewer. 2,580,726, Jan. 1.
Bundle-binder seal. J. H. Leslie, II. 2,610,374, Sept. 16.
Bundle package. M. Schaller. 2,620,921, Dec. 9.
Bundle stiffener. H. W. Stafford. 2,622,509, Dec. 23.
Bundling choker. W. A. Meighan. 2,611,638, Sept. 23.
Bundling spring harrow tines. F. Bellingher. 2,599,427, June 3.
Bung. L. C. Kappes and L. F. Whitney. 2,616,582, Nov. 4.
Bunion and foot corrective means. M. B. Mayer. 2,596,038, May 6.
Bunion pad. E. M. Stewart. 2,619,961, Dec. 2.
Bunion pad and the like. C. F. Crawford. 2,585,629, Feb. 12.
Bunter for weft replenishing looms. G. C. Beatrice. 2,593,833, Apr. 22.
Buoyancy type liquid metering device. W. C. Stickney. 2,614,578, Oct. 21.
Burglar alarm for vehicles and the like. S. Moledzky. 2,594,196, Apr. 22.
Burglar alarm, Pocket. A. J. Conolly. 2,608,175, Aug. 26.
Burglar alarm system, Electrical. B. Menkin. 2,617,868, Nov. 11.
Burial apparatus. W. A. Canaday. 2,583,628, Jan. 29.
Burial casket and vault, Combination. P. O. Johnson. 2,618,040, Nov. 18.
Burial unit handling device. W. W. Haase. 2,619,321, Nov. 25.
Burial vault. L. and C. H. Tripp. 2,616,151, Nov. 4.
Burial vault form. W. W. Haase. 2,616,146, Nov. 4.
Burial vault handling apparatus. W. W. Haase. 2,602,400, July 8.
Burling tool. D. J. Mindheim. 2,608,698, Sept. 2
Burner: *See*—
- Air-cooled gas burner.
- Combination oil and gas burner.
- Combustion turbine burner.
- Dual pressure gas burner.
- Flame retaining atmospheric gas burner.
- Flashback-proof gas burner
- Forced draft gas burner.
- Fuel burner.
- Fuel oil carbureter burner.
- Gas burner.
- Grid gas burner.
- Horizontal tray type oil burner.
- Horizontally discharging pot-type burner.
- Horizontally fired gas-oil burner,
- Internally fired gas burner.
- Internally fired safety pilot gas burner.
- Internally fired sheet metal gas burner.
- Liquid fuel burner.
- Multiple radiant cell gas burner.
- Oil burner.
- Oil-fired conversion burner.
- Pot type oil burner.
- Radiant gas burner.
- Radiant work heating gas burner.
- Ribbon-type gas burner.
- Rotary oil burner.
- Rotary reaction nozzle fuel burner.
- Self-ignition gas burner.
- Spray type oil burner.
- Submerged flame burner.
- Submersible burner.
- Vaporizing forced draft oil burner.
- Vaporizing oil burner.
- Vaporizing vertical pot type oil burner.
- Variable flame-orifice gas burner.
- Water-heating gas burner.
- Weed burner.

Burner. J. F. Grosskloss. 2,594,914, Apr. 29.
Burner and fuel feed system for same, Oil. F. R. Husband. 2,603,278, July 15.
Burner and nozzle tip for projecting hot products of combustion. R. A. Fuller. 2,614,619, Oct. 21.
Burner block and burner. C. W. McCreery and M. W. Hatfield. 2,596,341, May 13.
Burner control, Adjustable viscosity sensitive. R. B. Plass. 2,597,177, May 20.
Burner control system. W. D. Hall. 2,601,892, July 1.
Burner equipment for rotary driers for aggregates. R. C. Hopkins. 2,592,899, Apr. 15.
Burner for brooders and the like, Vaporizing type oil. J. T. Landgraf. 2,599,563, June 10.
Burner for gas heaters, Removable. P. W. Hoeffken. 2,582,331, Jan. 15.
Burner for liquid fuels. M. J. Ward. 2,586,493, Feb. 19.
Burner ignition and flame detection means. E. R. Clark. 2,608,245, Aug. 26.
Burner mechanism. G. Coggin. 2,610,622, Sept. 16.
Burner of the atomizing type, Oil. R. W. Beckett 2,599,153, June 3.
Burner provided with antiflashback member, Gas-air. J. S. Zink and R. D. Reed. 2,582,577, Jan. 15.
Burner safety control system. H. C. Nycum. 2,616,491, Nov. 4.

Burner with diverse air paths and fuel vaporizer, Liquid fuel. A. E. Clarke, A. K. North, K. H. Holliday and J. S. Clarke. 2,593,849, Apr. 22.
Burner with overhead feed, Pot type. J. L. Breese. 2,586,779, Feb. 26.
Burning and disposal of furnace fly ash. G. P. Jackson. 2,592,701, Apr. 15.
Burning fumes, Method of and apparatus for. M. C. Steese. 2,610,411, Sept. 16.
Burnishing device for preformed channels. W. J. Phaneuf. 2,585,166, Feb. 12.
Burnishing machine. C. C. Kinker and J. J. Murtagh. 2,608,803, Sept. 2.
Burnishing tool. A. C. Fuller. 2,606,360, Aug. 12.
Burnishing wheel for distributing materials on boots and shoes, Balanced. V. Colangelo. 2,602,174, July 8.
Burr remover. C. J. Honen. 2,601,812, July 1.
Bus bar assembly including longitudinal solder-filled recess. B. L. Snavely and J. V. Atanasoff. 2,588,172, Mar. 4.
Bus bar bushing structure for electrical apparatus casings. W. G. James. 2,611,002, Sept. 16.
Bus differential protection. W. K. Sonnemann. 2,608,606, Aug. 26.
Bus duct plug in adapter. L. W. Dyer and G. J. Freese. 2,590,522, Mar. 25.
Bus progress control system. D. E. Noble. 2,597,517, May 20.
Bus rack for publications. J. I. Hoover. 2,623,669, Dec. 30.
Bush for bearings. G. G. E. Augereau. 2,587,088, Feb. 26.
Bush for sealing rotary shafts. E. T. Jagger. 2,606,779, Aug. 12.
Bushing. B. S. Gerson. 2,586,528, Feb. 19.
Bushing and bearing spacer assembly for roller skate wheels. L. O. Harbour. 2,596,771, May 13.
Bushing inserting tool. O. T. Broyles. 2,614,633, Oct. 21.
Bushing puller. M. Claps. 2,618,053, Nov. 18.
Bushing puller. R. B. Loveland. 2,622,315, Dec. 23.
Bushing replacer. B. C. Hamilton. 2,586,222, Feb. 19.
Bust form. E. H. Bernhardt. 2,593,002, Apr. 15.
Bust receiving and supporting member. H. E. Shearer. 2,609,539, Sept. 9.
Bust support. S. S. El Jurl. 2,616,083, Nov. 4.
Bust supporter. L. J. Meares. 2,585,338, Feb. 12.
Bust supporter, Seamless. H. E. Shearer. 2,616,084, Nov. 4.
Butadiene-acrylonitrile copolymer composition containing a resin occurring in Utah resin bearing coal. L. J. Radl. 2,582,160, Jan. 8.
Butadiene-acrylonitrile copolymer latex of high solids content, Producing a. E. Arundale and F. Bascom. 2,589,919, Mar. 18.
Butadiene-alkylbenzene-olefin condensation products and their production. D. E. Strain. 2,603,655, July 15.
Butadiene-cobalt carbonyl hydride adduct. W. W. Prichard. 2,600,571, June 17.
Butadiene methyl-o-chlorocinnamate copolymer. G. H. Swart. 2,594,824, Apr. 29.
Butadiene monochlorohydrin, Production of. W. L. Towle. 2,592,977, Apr. 15.
Butadiene rubbery copolymer stabilized with 2,4-dimethyl-6-octylphenol. L. J. Kitchen and G. E. P. Smith, Jr. 2,605,251, July 29.
Butt welding. F. S. Denneen. 2,604,569, July 22.
Butt welding glass members, Method and apparatus for. R. A. Wolf. 2,595,555, May 6.
Butter coloring tablet and coloring butter. L. Adler, H. A. Reinhardt, and E. E. Ponath. 2,600,381, June 17.
Butter gun. W. Van Guilder. 2,603,867, July 22.
Butter spreader. E. J. Vani. 2,589,000, Mar. 11.
Butter warming receptacle. B. H. Simpson. 2,595,010, Apr. 29.
Butterfly valve. F. C. Fantz. 2,586,927, Feb. 26.
Butterfly valve. H. Ottinger and E. B. Trayers. 2,596,787, May 13.
Button, Adjustable. N. Statham. 2,609,581, Sept. 9.
Button attachment for sewing machines. E. M. Schevchik. 2,611,332, Sept. 23.
Button back. F. A. Ballou, Jr. 2,584,828, Feb. 5.
Button, Cloth-covered. C. Braegger. 2,599,225, June 3.
Button, Cloth covered garment. R. J. Wolfe. 2,602,975, July 15.
Button construction, Fabric covered. L. Baritz. 2,586,904, Feb. 26.
Button, Detachable. A. and H. D. Drell. 2,622,291, Dec. 23.
Button drilling machine. P. Hutchinson. 2,619,856, Dec. 2.
Button fastener. J. T. Hayden. 2,586,819, Feb. 26.
Button feeder for button sewing machines, Shank. W. A. Troll. 2,597,912, May 27.
Button for garments, Detachable. D. A. Seiler. 2,611,167, Sept. 23.
Buttonhole attachment. A. Sharenow and D. M. Stadd. 2,619,925, Dec. 2.
Buttonhole forming device. M. Rose. 2,584,051, Jan. 29.
Buttonhole guide for facilitating layout of buttonholes. M. Helmlich. 2,613,446, Oct. 14.
Buttonhole spacer. A. A. Weingartner. 2,619,056, Nov. 25.
Button loop forming mechanism. F. Adamo. 2,593,083, Apr. 15.
Button or cuff link, Sewless. J. Ibanez. 2,613,418, Oct. 14.
Button-pinning machine, Automatic. T. E. Bastian, J. A. Hellaby and E. A. Strollis. 2,612,796, Oct. 7.
Butylsulfamylbenzoic acid. C. S. Miller. 2,608,511, Aug. 26.
Butylene glycol esters, Preparation of. G. J. Shugar and W. D. Palst. 2,605,292, July 29.
By-pass connection for hydraulic well pumps. W. C. Lenz. 2,616,502, Nov. 4.
By-product coke oven standpipe valve. R. P. Keammerer. 2,603,232, July 15.
C-clamp with right-angularly related clamping screws. J. E. Romine. 2,610,661, Sept. 16.
C_1-C_3 dialkyl hydrogen phosphites, Producing. D. H. Chadwick. 2,582,817, Jan. 15.
C-ring applying and removing tool. B. M. Caldwell. 2,616,315, Nov. 4.
Cabin locking and actuating mechanism. J. R. Clark and R. C. Milford. 2,607,551, Aug. 19.
Cabin pressure change control. J. B. Cooper and A. B. Jepson. 2,621,577, Dec. 16.
Cabinet: *See*—
Air-conditioned open top display cabinet.
Baby supply cabinet.
Bedside cabinet.
Checking cabinet.
Collapsible cabinet.
Constant temperature cabinet.
Dental cabinet.
Dentifrice cabinet.
Display and storage cabinet.
Dry cooling cabinet.
Dusting cabinet.
Filing cabinet.
Germicidal cabinet.
Industrial cabinet.
Interlocking filing cabinet.
Ledger tray cabinet.
Liquid dispensing cabinet.
Lubrication cabinet.
Medicine cabinet.
Merchandise cabinet.
Perishable product processing cabinet.
Portable hot food cabinet.
Refrigerator cabinet.
Refrigerator display cabinet.
Sectional refrigerator cabinet.
Sewing machine desk cabinet.
Shoe shining cabinet.
Storage cabinet.
Toilet tissue magazine and dispensing cabinet.
Tool cabinet.
Triangular television and radio cabinet.
Typewriter cabinet.
Refrigerator cabinet.
Reversible rug display cabinet.
Self-balancing cabinet.
Shower bath cabinet.
Toilet bowl brush cabinet.
Welding cabinet.
Cabinet. G. E. Lundine. 2,591,172, Apr. 1.
Cabinet. R. Ruch. 2,600,925, June 17.
Cabinet and drawer assembly. E. N. Ellerson. 2,599,240, June 3.
Cabinet, and means to illuminate an object in front thereof, Mirrored. L. E. Holley. 2,609,485, Sept. 2.
Cabinet and support for containers. E. A. Ferm. 2,597,782, May 20.
Cabinet and support therefor, Wall. P. L. Du Boff and T. H. Dooley. 2,584,438, Feb. 5.
Cabinet construction. E. J. Smayda, Jr. 2,587,396, Feb. 26.
Cabinet door hinge structure. O. E. Ryman. 2,585,849, Feb. 12.
Cabinet drawer, Filing. R. L. Gallagher. 2,600,986, June 17.
Cabinet drawer, Filing. H. H. Olson and M. A. Johnson. 2,614,019, Oct. 14.
Cabinet for amusement apparatus. N. A. Nelson. 2,600,909, June 17.
Cabinet for dehydrating air, Portable. H. J. Kaufman. 2,585,787, Feb. 12.
Cabinet for rolled sheet materials, Dispensing. R. R. Cardall. 2,594,391, Apr. 29.
Cabinet for sound record disks. E. J. Slattery. 2,593,927, Apr. 22.
Cabinet for sound reproducing equipment. M. W. Kenney. 2,594,565, Apr. 29.
Cabinet having movable storage container. C. W. Christie and E. Epstein. 2,617,700, Nov. 11.
Cabinet having viewing tube housing rotatable about horizontal axis, Television. J. K. Rose. 2,604,536, July 22.
Cabinet hinge, Self-closing. P. K. Borman and T. H. Swisher. 2,611,922, Sept. 30.
Cabinet or the like, Lubrication. C. W. Ginter. 2,620,940, Dec. 9.
Cabinet record holder. J. A. Yerkes. 2,587,269, Feb. 26.
Cabinet shelf, Refrigerator. W. Giffard. 2,606,806, Aug. 12.
Cabinet structure. C. C. White. 2,603,378, July 15.
Cabinet top support flange structure. G. C. Wilhide. 2,622,952, Dec. 23.
Cabinet unit with changeable interior. G. Wise. 2,599,504, June 3.
Cabinet unit with changeable interiors. G. Wise. 2,582,812, Jan. 15.
Cabinet with removable shelf. C. A. Laystrom and H. R. Sigler. 2,584,274, Feb. 5.
Cabinet with rotatable means for advertising display, Illuminated. J. Chrastina. 2,600,157, June 10.
Cabinetry for electronic reproducers. L. E. Septer and W. H. Myers. 2,618,526, Nov. 18.

Cable: *See*—
Abrasion resistant electric cable.
Electrical communication cable.
Expanded electrical transmission cable.
Heat detecting cable.
High attenuation coaxial cable.
High impedance shielded twin conductor cable.
Nonspinning armored electric cable.
Push-pull control cable.
Cable actuated wrench. J. P. Schwartz. 2,603,998, July 22.
Cable clamp. T. Summers. 2,608,731, Sept. 2.
Cable clamp or the like. G. A. Tinnerman and L. H. Flora. 2,618,033, Nov. 18.
Cable coiler, Portable. R. A. Bub and W. G. Young. 2,602,599, July 8.
Cable connector. M. D. Bergan. 2,600,371, June 10.
Cable connector. H. A. Knollman. 2,582,384, Jan. 15.
Cable cutting device. F. L. McGary. 2,602,994, July 15.
Cable fitting. E. J. F. Murana. 2,610,376, Sept. 16.
Cable geophone, Double coil. K. W. McLeod. 2,601,543, June 24.
Cable grip. E. T. Chamberlain, Jr. 2,615,402, Oct. 28.
Cable grip. D. L. Kellems. 2,602,207, July 8.
Cable gripper for suspended vehicles, Automatic. V. Dachkevitch. 2,591,680, Apr. 8.
Cable having a nonmigratory insulating compound, Electric. A. King. 2,586,345, Feb. 19.
Cable having heat-reflective layer, Metal sheathed electric. E. P. Holmes. 2,603,684, July 15.
Cable holder with guide slots. E. E. Haussler. 2,608,891, Sept. 2.
Cable insulation, Crepe paper. G. Camilli and L. Mulligan. 2,607,823, Aug. 19.
Cable insulation, Interlocked. B. Swift and N. D. Kenney. 2,583,025, Jan. 22.
Cable laying sheave. P. B. Benner. 2,591,770, Apr. 8.
Cable lead with crepe paper insulation, Electric. E. L. Crandall. 2,607,822, Aug. 19.
Cable messenger clamping bracket. K. C. Jenne. 2,590,415, Mar. 25.
Cable outlet box lock. P. L. Duncan. 2,605,012, July 29.
Cable outlet head. W. P. Bovard. 2,619,517, Nov. 25.
Cable outside insulation stripper. E. I. and H. M. Ayers. 2,589,471, Mar. 18.
Cable provided with polarized outlets for seismic prospecting. A. C. Winterhalter. 2,581,994, Jan. 8.
Cable pulling eye and making the same. A. A. Bronovicki. 2,615,074, Oct. 21.
Cable reel. J. C. Morley. 2,585,159, Feb. 12.
Cable reel. H. C. Scanlon. 2,606,978, Aug. 12.
Cable reel mechanism. C. P. Baldwin. 2,601,958, July 1.
Cable reinforcing and supporting device. T. F. Peterson. 2,587,521, Feb. 26.
Cable retractor for sewer machines. H. E. Hopkins and A. L. Jentz. 2,619,665, Dec. 2.
Cable seal. J. Philipson. 2,592,949, Apr. 15.
Cable shortening device. W. Elnicky. 2,589,543, Mar. 18.
Cable spacer. O. F. Kinsel. 2,595,857, May 6.
Cable splicing sleeve with sealing chambers. T. C. Tompers. 2,621,228, Dec. 9.
Cable strain clamp. H. French. 2,606,350, Aug. 12.
Cable support for cableways, Intermediate carrying. F. I. Stewart. 2,607,499, Aug. 19.
Cable support with clamp, Plural. W. M. Eakin. 2,622,123, Dec. 16.
Cable system, Electric. C. E. Bennett. 2,597,222, May 20.
Cable tension indicator. C. E. Cushman. 2,592,868, Apr. 15.
Cable tension regulator. H. Weber. 2,585,358, Feb. 12.
Cable terminal. L. W. Kelsay. 2,619,518, Nov. 25.
Cable terminal connector. O. H. Thomas and T. E. Snyder. 2,585,055, Feb. 12.
Cable testing device. J. G. McKernan. 2,618,133, Nov. 18.
Cable tightening and reeling apparatus. S. W. Hyatt. 2,586,048, Feb. 19.
Cable winding apparatus. F. L. Le Bus. 2,620,996, Dec. 9.
Cable with embossed tape, Gas-filled power. L. C. Ebel. 2,591,794, Apr. 8.
Cable with helical insulation, Coaxial. T. J. Rhodes. 2,580,838, Jan. 1.
Cable with insulated conductor, Drilling. J. F. Kendrick. 2,584,027, Jan. 29.
Cable with interlocked insulating layers. B. Swift. 2,583,026, Jan. 22.
Cable with spiral spacer, Coaxial. H. D. Isenberg. 2,600,111, June 10.
Cableway. N. S. Bateman. 2,601,585, June 24.
Cacao-milk beverage material, Producing. G. Grindrod. 2,589,801, Mar. 18.
Cadmium phosphate phosphors. G. R. Fonda. 2,605,227, July 29.
Caesium electric discharge device. A. W. Hull. 2,600,246, June 10.
Cage and operating mechanism for shaft shovels. P. Harrison. 2,587,844, Mar. 4.
Cage assembly for crystals. A. W. Ziegler. 2,608,597, Aug. 26.
Cage, Bait holder. P. C. Pape. 2,603,030, July 15.
Cage construction for planetary gearing. C. T. Thompson. 2,591,743, Apr. 8.
Cage for poultry and animals. J. L. Wilson. 2,601,197, June 17.
Cage, Plastic bird. M. Yellin. 2,611,338, Sept. 23.
Cage-type rattrap. H. C. McCurrie. 2,601,622, June 24.
Caging means for gyroscopes having two displacement axes. W. A. Stone. 2,591,741, Apr. 8.
Cake breaker and cutter. C. J. Schneider. 2,588,579, Mar. 11.
Cake platter, Ornamental. M. E. Stanley. 2,610,111, Sept. 9.
Cake saver. V. M. Shol. 2,617,350, Nov. 11.
Cake turner. O. B. Hartrampf. 2,621,957, Dec. 16.
Calandria casing with telescopic sections. A. H. Lindquist. 2,621,902, Dec. 16.
Calcium arsenate and gamma benzene hexachloride insecticide and method, Lime-free. T. W. Collins, Jr. 2,586,519, Feb. 19.
Calcium carbonate, Making. R. W. McAllister. 2,617,711, Nov. 11.
Calcium hypochlorite bleach liquor, Manufacture of. H. H. Heler and R. G. Shirriff. 2,587,845, Mar. 4.
Calcium hypochlorite, Production of. J. W. Sprauer. 2,587,071, Feb. 26.
Calcium metaphosphate, Production of. P. Miller. 2,589,272, Mar. 18.
Calcium phosphate gels. J. K. Marcus. 2,605,229, July 29.
Calcium phosphate phosphors. K. H. Butler. 2,619,471. Nov. 25.
Calcium phosphates and calcium nitrate, Production of. M. H. R. J. Plusje. 2,609,271, Sept. 2.
Calcium sulfanilamide preparations. S. L. Ruskin. 2,613,170, Oct. 7.
Calculating and indicating device. J. S. and A. H. Jenson. 2,583,946, Jan. 29.
Calculating and similar accounting machine. P. J. Townsend. 2,616,548, Nov. 4.
Calculating apparatus, Electrical. W. Hatton. 2,611,538, Sept. 23.
Calculating instrument with optical projection system for magnification. E. K. Mettler and J. Meier. 2,588,269, Mar. 4.
Calculating machine. H. T. Avery. 2,622,805, Dec. 23.
Calculating machine. L. Delfin. 2,622,801, Dec. 23.
Calculating machine. J. R. Desch and R. E. Mumma. 2,595,045, Apr. 29.
Calculating machine. D. S. Evans. 2,590,599, Mar. 25.
Calculating machine, Binary network type. R. L. A. Valtat. 2,620,974, Dec. 9.
Calculating machine, Digital. J. E. Barrow. 2,611,536, Sept. 23.
Calculating machine, Digital. W. S. Elliott. 2,610,790, Sept. 16.
Calculating tables and the like. J. H. Starr. 2,613,237, Oct. 7.
Calculator. W. Hatton. 2,588,923, Mar. 11.
Calculator. E. G. Kesling. 2,588,539, Mar. 11.
Calculator. C. D. Lake, H. H. Aiken, F. E. Hamilton, and B. M. Durfee. 2,616,626, Nov. 4.
Calculator. C. D. Lake, F. E. Hamilton, and B. M. Durfee. 2,616,624, Nov. 4.
Calculator and stand, Work time. L. L. Fattor. 2,585,642, Feb. 12.
Calculator, Calorie, H. Leiser. 2,596,418, May 13.
Calculator, Cubic size. J. B. Kupersmit. 2,617,591, Nov. 11.
Calculator device. E. G. Kesling. 2,594,566, Apr. 29.
Calculator, Electric dynamo winding. E. C. Gisin. 2,601,948, July 1.
Calculator, Fluid flow. J. L. Bartlett and J. R. Davis. 2,597,609, May 20.
Calculator for automatic telephony, Charge rate. R. F. Stehlik. 2,588,684, Mar. 11.
Calculator for low-voltage alternating current distribution systems, Interrupting capacity. N. S. Spencer. 2,585,595, Feb. 12.
Calculator, Forecasting. G. V. Malmgren. 2,595,153. Apr. 29.
Calculator, Hog carcass grade. R. E. Botts. 2,591,504. Apr. 1.
Calculator, Slide. H. V. Jordon. 2,605,048, July 29.
Calculator, Stored function. E. A. Avakian. 2,610,791, Sept. 16.
Calculator, Tide. H. E. L. and R. E. L. Owen. 2,622,800. Dec. 23.
Calculator, Unexpired time and maturity date. E. N. Heinz, Sr. 2,614,751, Oct. 21.
Calendar. A. B. Downs, Jr. 2,609,630, Sept. 9.
Calendar and indicator. E. Voss. 2,586,890, Feb. 26.
Calendar, Clock operated perpetual. J. Lind. 2,592,047. Apr. 8.
Calendar, Drum type, rotary, perpetual. E. B. Nichols. 2,581,810, Jan. 8.
Calendar memorandum pad. H. J. Friedman. 2,602,251, July 8.
Calendar, Perpetual. E. L. Bauer. 2,588,795, Mar. 11.
Calendar, Perpetual. L. Berkower. 2,605,567, Aug. 5.
Calendar, Perpetual. L. R. T. D. O'Kane. 2,584,810. Feb. 5.
Calendar rack. R. J. Higginbotham. 2,588,236, Mar. 4.
Calendar work for clocks and watches. P. P. Ostevik. 2,580,458, Jan. 1.
Calendering mineral coated paper. B. E. Sooy and H. C. Fisher. 2,611,717, Sept. 23.

Calf branding table. G. K. Turner. 2,581,735, Jan. 8.
Calf feeding device. J. Shappee. 2,607,319, Aug. 19.
Calibrated liquid level gauge. H. A. Quist. 2,588,875, Mar. 11.
Calibrated microphones. J. M. Kendall. 2,597,005, May 20.
Calibration of instruments, Automatic. A. Axelrod, S. K. Lackoff and T. J. McLaughlin. 2,606,956, Aug. 12.
Calibration of X-ray gauges, Method and apparatus for. F. Fua. 2,582,774, Jan. 15.
Calibration unit for cathode-ray tubes. M. E. Chun. 2,583,469, Jan. 22.
Caliper gauge. E. P. Rosser. 2,589,141, Mar. 11.
Caliper, Self-centering inside and outside. F. Rubin and B. B. Henderson. 2,603,002, July 15.
Caliper with demountable frame, External. M. Magg. 2,591,453, Apr. 1.
Calk, Detachable. A. A. Langer. 2,607,135, Aug. 19.
Calk for footwear. A. A. Langer. 2,607,134, Aug. 19.
Calk for pneumatic vehicle tires, Adjustable. A. Jaern and L. Eriksen. 2,592,150, Apr. 8.
Caliking compounds. K. Louton. 2,618,569, Nov. 18.
Call measuring apparatus. A. W. Paulson, S. A. Hornung, and H. E. Galanty. 2,619,592, Nov. 25.
Calling line and private branch exchange line identifier. W. H. T. Holden. 2,600,502, June 17.
Calling line identification apparatus. R. F. Stehlik. 2,621,256, Dec. 9.
Calling line identification and registering system. F. J. Scudder and E. Vroom. 2,594,505, Apr. 29.
Calling line identification for automatic ticketing systems. F. B. Blake. 2,604,540, July 22.
Calling line identification system. J. W. Gooderham. 2,615,987, Oct. 28.
Cam actuated adjustable mold clamp. W. Mullenbach. 2,581,040, Jan. 1.
Cam actuated bag closure mechanism. F. Ames. 2,599,738, June 10.
Cam-actuated device. B. B. Scott. 2,611,847, Sept. 23.
Cam actuated diaphragm sealed valve. N. H. Calkins. 2,617,626, Nov. 11.
Cam actuated frame holding clamp. W. H. Tyler. 2,620,839, Dec. 9.
Cam actuated rotary indicator. J. Handley. 2,596,550, May 13.
Cam actuated selector valve. W. E. Elder. 2,617,445, Nov. 11.
Cam actuated side jaw wrench. G. E. Garno. 2,615,358, Oct. 28.
Cam actuated slidable jaw wrench. D. C. Lucht. 2,582,444, Jan. 15.
Cam actuated valve. C. R. Fosbender. 2,618,458, Nov. 18.
Cam and making same. M. Mallory. 2,616,307, Nov. 4.
Cam and pawl transfer mechanism. G. L. Bush. 2,596,370, May 13.
Cam construction for use in timers. I. N. Eustis and N. J. McDonald. 2,621,539, Dec. 16.
Cam controlled contour polishing. F. R. Whitcomb. 2,581,157, Jan. 1.
Cam cutting machine. P. C. Durland. 2,583,363, Jan. 22.
Cam device for varying speed of an object. M. A. Schwartz. 2,580,469, Jan. 1.
Cam engaged clutch. P. Hardcastle and E. P. Reid. 2,598,690, June 3.
Cam for operating valves of internal-combustion engines. J. L. H. Bishop. 2,581,233, Jan. 1.
Cam for time clocks, Adjustable. P. Febr. 2,597,928, May 27.
Cam grinding and marking fixture. R. E. Shetler. 2,609,643, Sept. 9.
Cam grinding machine. E. R. Fausset and M. E. Todd. 2,608,802, Sept. 2.
Cam grinding machine. C. J. Green. 2,581,759, Jan. 8.
Cam grinding machine. R. P. Hook and C. J. Green. 2,599,453, June 3.
Cam mechanism. R. W. Goff. 2,594,911, Apr. 29.
Cam mechanism. B. N. Pierce. 2,580,953, Jan. 1.
Cam operated coupling. R. Rabe. 2,611,464, Sept. 23.
Camera. W. J. G. Palmer. 2,584,912, Feb. 5.
Camera. H. J. Smith. 2,608,920, Sept. 2.
Camera adapter, Direct positive. G. P. Grant, Jr. 2,592,524, Apr. 15.
Camera and developer, Combination. J. Bass. 2,580,720, Jan. 1.
Camera and flash-gun and construction thereof. F. H. Owens. 2,622,496, Dec. 23.
Camera and lamp supporting device. J. Markowitz. 2,614,471, Oct. 21.
Camera and money container. E. H. Heyer and E. Elston. 2,612,092, Sept. 30.
Camera and projector arrangement, Combined. J. Bolsey. 2,590,497, Mar. 25.
Camera and stand therefor. H. Gelb. 2,585,927, Feb. 19.
Camera, Automatic photographic. W. Bornemann and N. R. Newman. Re. 23,606, Dec. 30.
Camera, Close-up stereo. G. Bucky. 2,601,086, June 17.
Camera, Document photographing. C. F. Wolters. 2,595,741, May 6.
Camera drive. C. A. Passannante. 2,622,206, Dec. 16.
Camera exposure control. D. B. Dorsey. 2,590,161, Mar. 25.
Camera exposure control. D. B. Dorsey. 2,596,328, May 13.
Camera, Fast X-ray diffraction. H. H. Claassen and K. E. Beu. 2,585,740, Feb. 12.
Camera focusing device. E. D. Markle. 2,609,737, Sept. 9.
Camera for reproductive purposes. A. V. H. Andersson. 2,621,561, Dec. 16.
Camera for the photography of inverted images, Portable stereoscopic. A. Samoggia. 2,601,817, July 1.
Camera for X-ray images, Motion-picture. E. E. Sheldon. 2,586,392, Feb. 19.
Camera, Hand-held roll-film. E. S. Hineline. 2,590,409, Mar. 25.
Camera having blade and cover blind shutter. G. Durst. 2,587,447, Feb. 26.
Camera having hinged magazine sections, Electrically operated aerial. I. W. Doyle and C. V. Johnson. 2,596,222, May 13.
Camera head. R. O. Hoge. 2,582,779, Jan. 15.
Camera, High-speed oscillograph. C. M. Tuttle and E. O'Neil. 2,604,376, July 22.
Camera holder. R. H. Staehlin and M. C. Wuebben. 2,609,738, Sept. 9.
Camera holder. H. Susukawa. 2,589,892, Mar. 18.
Camera mount. A. E. Reeves. 2,615,664, Oct. 28.
Camera, Multiple roll film. W. D. Thompson. 2,584,373, Feb. 5.
Camera, Panoramic. J. G. Baker. 2,593,088, Apr. 15.
Camera, Photographic. L. H. Moomaw and H. Bernsott. 2,581,691, Jan. 8.
Camera, Precision. A. T. Koppe. 2,581,591, Jan. 8.
Camera, Roll film. J. Frye. 2,591,417, Apr. 1.
Camera shutter, Including adjustable flash synchronizing means. C. C. Fuerst. 2,596,671, May 13.
Camera shutter, Two-ring action. J. E. Henry. 2,601,286, June 24.
Camera shutter with two successively operated blades. R. E. Kesel and H. T. Robinson. 2,621,570, Dec. 16.
Camera support. L. B. Burnam. 2,603,134, July 15.
Camera support. A. A. Juliano. 2,586,954, Feb. 26.
Camera with curtain shutter, Reflex. M. E. P. Studdert. 2,608,921–2, Sept. 2.
Camera with flash synchronizer attachment, Curtain shutter. A. Wagner. 2,590,829, Mar. 25.
Camera with lens turret. J. A. Haeseler. 2,599,327, June 3.
Camera with parallax correcting view finder, Focusing. R. J. Donovan. 2,616,343, Nov. 4.
Camera with stationary film, Panoramic. F. Waller. 2,596,746, May 13.
Camouflaged fishing line and making the same. M. K. Hedge. 2,610,539, Sept. 16.
Can: *See*—
Metallic can. Self-heating can.
Multiple compartment can. Oil can.
Reusable screw top can.
Can aligner and conveyer. R. F. Laughlin. 2,587,740, Mar. 4.
Can and bucket rack, Rotary milk. D. C. Zels. 2,612,999, Oct. 7.
Can body. C. W. Heinle. 2,616,588, Nov. 4.
Can body and longitudinal seam therefor. H. F. Johnson. 2,620,942, Dec. 9.
Can carrier with foldable handle. G. H. Parker. 2,614,737, Oct. 21.
Can compressor. L. O. Scheer, W. D. Tomlinson, and A. Trogdon. 2,616,477, Nov. 4.
Can cover and perforator with pouring spouts. L. L. Garneau. 2,588,819, Mar. 11.
Can crusher. H. L. Voigt and J. Sliczkiewicz, Jr. 2,603,270, July 15.
Can crushing mechanism. H. J. Smith. 2,619,150, Nov. 25.
Can cutter. W. Armstrong. 2,602,993, July 15.
Can cutting and crushing apparatus. J. Graham. 2,602,483, July 8.
Can dumping apparatus and the like. V. Schwarzkopf. 2,598,193, May 27.
Can end cutting device. J. H. Borland. 2,622,316, Dec. 23.
Can-end maker. W. B. Peterson, Jr. and R. E. Renard. 2,601,625, June 24.
Can feeding device. J. Albertoli. 2,583,313, Jan. 22.
Can flattener. G. W. Coffey. 2,614,604, Oct. 21.
Can handling and arranging apparatus. J. Boyce. 2,620,065, Dec. 2.
Can holder and punch. M. L. Grob. 2,601,939, July 1.
Can holding, opening, and pouring device. R. L. Stoecker. 2,589,890, Mar. 18.
Can key welding machine. R. E. Renard. 2,618,725, Nov. 18.
Can opener. R. C. Gabriel and F. C. Friend. 2,622,317, Dec. 23.
Can opener and bottle cap remover, Double-action. H. Schmitt. 2,602,218, July 8.
Can opener apparatus, Sanitary. R. A. Bruce and R. W. Haman. 2,603,858, July 22.
Can opener attachment. H. H. Horstmann. 2,591,155, Apr. 1.
Can opener auxiliary. M. H. Shulman. 2,613,846, Oct. 14.
Can opener, Magnetic. D. Farandatos. 2,617,184, Nov. 11.
Can opener, Rotary type. R. E. McLean. 2,591,181, Apr. 1.
Can opener suspended from a can. J. Lesser and S. H. Lenhoff. 2,590,553, Mar. 25.

Can opener with magnetic lid holder. O. K. Pauhu. 2,602,223, July 8.
Can opening and contents dispensing device. H. E. Kuehn. 2,588,541, Mar. 11.
Can opening and spout forming device. J. F. Waltera and E. C. Fisher. 2,620,557, Dec. 9.
Can-opening device. M. C. Bell. 2,599,154, June 3.
Can-opening device. E. Johanson. 2,588,244, Mar. 4.
Can opening device. H. C. Johnson. 2,618,848, Nov. 25.
Can opening mechanism. H. C. Wilson. 2,615,240, Oct. 28.
Can perforator and pourer. P. Uljak. 2,607,511, Aug. 19.
Can piercing device. W. E. Shands. 2,614,319, Oct. 21.
Can punch. E. A. Briner. 2,621,401, Dec. 16.
Can punch. T. Kaskouras. 2,611,950, Sept. 30.
Can punch. J. E. Murphy, G. W. P. Beckemeier, and E. C. Couture. 2,584,490, Feb. 5.
Can sealer. L. P. Cleary and C. G. Farr. 2,591,136, Apr. 1.
Can separating device. V. B. Evans. 2,583,934, Jan. 29.
Can sorting machine. H. J. Emerson, R. J. O'Connor, and G. A. Emery. 2,592,260, Apr. 8.
Can sorting machine. W. T. Goodban. 2,601,514, June 24.
Can straightener. J. L. and E. A. Rickhoff. 2,612,204, Sept. 30.
Can tear strip guide and measuring cup. R. M. Snook. 2,612,287, Sept. 30.
Can tester feed mechanism. E. Laxo. 2,602,532, July 8.
Can topper. T. F. Pluska. 2,618,054, Nov. 18.
Can transfer mechanism. K. A. Leuschner. 2,612,255, Sept. 30.
Can unscrambler. E. R. Dudley, Jr. 2,586,523, Feb. 19.
Canned food server. G. P. Wakefield. 2,608,706, Sept. 2.
Canning implement with supporting means for a jar and a funnel on the jar. S. J. Pantek. 2,620,956, Dec. 9.
Canning of hard boiled eggs. R. D. Trelease, G. O. Sampson, and D. V. Alstrand. 2,593,223, Apr. 15.
Canning peppers. R. W. Harris. 2,587,466, Feb. 26.
Canning rice. N. B. Gallenkamp. 2,616,810, Nov. 4.
Canal lining machine. I. L. Gebhard. 2,598,903, June 3.
Candle. W. B. Byrnes. 2,611,254, Sept. 23.
Candle, Display. D. W. Duncan. 2,584,563, Feb. 5.
Candle filter assembly. W. V. Henry. 2,617,534, Nov. 11.
Candle-simulating fluorescent lighting fixture. C. E. Hays. 2,598,054, May 27.
Candlestick and the like, Sectional. L. Schaefer. 2,621,503, Dec. 16.
Candy box cradle shaper and box feeder. G. C. Sparks. 2,620,607, Dec. 9.
Candy cleaning machine. H. W. Currie. 2,590,381, Mar. 25.
Candy dispensing toy pump. J. H. Millstein. 2,581,039, Jan. 1.
Candy forming and dispensing machine. W. A. Sebring. 2,582,074, Jan. 8.
Candy making equipment. R. F. Morrison. 2,612,851, Oct. 7.
Candy slicing equipment. R. F. Morrison. 2,612,852, Oct. 7.
Cane. A. Kohl. 2,610,420, Sept. 16.
Cane and crutch, Combined. B. A. Grimball. 2,590,607, Mar. 25.
Cane, Cricket. J. E. Unger. 2,610,441, Sept. 16.
Cane, Illuminating. J. Parker. 2,597,172, May 20.
Cane loading and chopping machine. J. M. Tiedtke. 2,621,461, Dec. 16.
Cane mill. J. J. Munson. 2,607,288, Aug. 19.
Cane mill. P. V. Tippet. 2,613,118, Oct. 7.
Cane or walking stick, Sectional. G. A. Hawkins. 2,593,026, Apr. 15.
Cane tip. J. G. W. Stuits. 2,590,052, Mar. 18.
Canister bin unit. E. B. Manning and A. von Haase. 2,617,702, Nov. 11.
Canister type suction cleaner. H. T. Lang. 2,605,858, Aug. 5.
Canopy, Automobile. J. C. Chamberlain. 2,609,042, Sept. 2.
Canopy construction. S. B. Korman and M. Harrison. 2,585,256, Feb. 12.
Canopy construction. F. R. Thompson and W. D. Bell. 2,593,221, Apr. 15.
Canopy, Oxygen tent. G. J. Marson. 2,597,655, May 20.
Canopy, Releasable. T. C. Wood. 2,612,333, Sept. 30.
Canopy structure for attachment to trays. H. W. Moreland. 2,593,909, Apr. 22.
Canvas for fur garments or the like, Fitting. A. Fessler. 2,615,250, Oct. 28.
Cap: *See*—
Bathing cap.
Blasting cap.
Bottle cap.
Broom cap.
Bubble cap.
Closure cap.
Delay electric blasting cap.
Die holder cap.
Dispensing cap.
Insulator cap.
Novelty cap.
Pin doweled bearing cap.
Preformed bottle cap.
Pressure relief radiator cap.
Pressure sealing bottle cap.
Pressure vacuum relief radiator cap.
Screw threaded elastic closure cap.
Sinker cap.
Slide cap.
Sport cap.
Spray cap.
Spray gun air cap.
Tamperproof valve cap.
Tank cap.
Uniform cap.
Vehicle radiator cap.
Vent pipe cap.
Ventilated cap.
Cap and disk, Combined. F. D. Moore. 2,609,955, Sept. 9.
Cap and eyeshield, Combination. H. Weissberg. 2,619,640, Dec. 2.
Cap closure. C. M. Koster. 2,587,737, Mar. 4.
Cap connecting box. J. E. Hawkins and R. S. Finn. 2,583,839, Jan. 29.
Cap discharge device. R. M. Mikolay. 2,611,999, Sept. 30.
Cap feeding mechanism. E. A. Tesch, Jr. 2,600,138, June 10.
Cap for containers, Dispensing and applicator. J. Giraud. 2,622,258, Dec. 23.
Cap for grease fittings. H. P. O. Schluter. 2,587,000, Feb. 26.
Cap for nipples. R. A. Bachia and A. R. Hamilton. 2,607,345, Aug. 19.
Cap forming device with edge reforming control device. F. Scibelli. 2,585,047, Feb. 12.
Capmaking machine. W. J. Keith. 2,612,084, Sept. 30.
Capmaking machine. R. Sonnenberg. 2,596,050, May 6.
Cap remover, Pivoted lever crown. E. M. Sprich. 2,593,358, Apr. 15.
Cap transfer mechanism for drying ovens. E. A. Tesch, Jr. 2,609,106, Sept. 2.
Caps for fastener members, Making. W. I. Jones. 2,582,383, Jan. 15.
Capacitance device. W. M. Bailey. 2,597,429, May 20.
Capacitance meter. H. N. Beveridge. 2,599,528, June 10.
Capacitance pick-off servo system. E. S. Baker. 2,606,310, Aug. 5.
Capacitance type liquid quantity gauge. S. J. Smith. 2,582,399–400, Jan. 15.
Capacitance type liquid quantity gauge. S. J. Smith. 2,601,176, June 17.
Capacitive coupling assembly. E. M. Ostlund. 2,597,897, May 27.
Capacitive rotatable coupler. R. J. Adams and L. R. Dobler. 2,602,118, July 1.
Capacitor. E. M. Boardman. 2,608,601, Aug. 26.
Capacitor-adjusting apparatus. C. A. Erdman, Jr. 2,603,737, July 15.
Capacitor cell for pipeline batching. F. M. Bower. 2,623,928, Dec. 30.
Capacitor control. W. H. Elliot. 2,609,424, Sept. 2.
Capacitor manufacturing evaporation apparatus. H. E. Haynes. 2,614,524, Oct. 21.
Capacitor microphonic testing apparatus. G. O. Smith. 2,608,091, Aug. 26.
Capacity control for air conditioning systems. W. L. McGrath. 2,614,394, Oct. 21.
Capacity-meter for measurement of low electric capacitance values. H. F. Mataré, G. Calon, and P. Philippoteaux. 2,598,576, May 27.
Capacity motion responsive device. J. W. Gray. 2,623,996, Dec. 30.
Capacity-rebalancing type measuring apparatus. L. Stanton. 2,619,514, Nov. 25.
Capillary oil device for machines. C. R. Nelson. 2,601,210, June 17.
Capotasto. G. C. Haffner. 2,604,805, July 29.
Capsule. T. E. Duffey. 2,580,414, Jan. 1.
Capsule banding machine. R. P. Scherer. 2,623,494, Dec. 30.
Capsule drying and burnishing method. F. E. Stirn and Meyer. 2,585,903, Feb. 19.
Capsules containing chloral hydrate, Gelatin. A. E. A. S. Taylor. 2,600,367, June 10.
Capsules filled with aqueous solutions and preparing the same. P. Kreuger. 2,580,683, Jan. 1.
Car: *See*—
Container car.
Dump car.
Freight car.
Hopper bottom load discharging car.
Inclined-railway safety car.
Insulated tank car.
Mine car.
Mine shuttle car.
Racing car.
Rail car.
Railroad tank car.
Railway car.
Railway sleeping car.
Reversing toy trolley car.
Shuttle car.
Sleeping car.
Toy railroad dump car.
Car barricade or bulkhead. L. E. Pilot. 2,594,208, Apr. 22.
Car bed. S. Linden. 2,617,119, Nov. 11.
Car coupler. N. Hammond. 2,590,404, Mar. 25.
Car coupler. W. J. Metzger. 2,585,958, Feb. 19.
Car coupler. W. J. Metzger. 2,591,275, Apr. 1.
Car coupler. W. J. Metzger. 2,617,539–40, Nov. 11.
Car coupler, Retractable. W. J. Metzger. 2,584,486, Feb. 5.
Car coupler support and positioning device. K. T. Nystrom and A. L. Thompson. 2,588,654, Mar. 11.
Car coupling. N. Clark. 2,613,820, Oct. 14.
Car crib and playpen, Combined. C. M. Finkle. 2,606,328, Aug. 12.
Car door operating mechanism. K. E. Zeidler. 2,588,683, Mar. 11.
Car lighting structure. A. L. Arenberg and E. C. Zimmerman. 2,587,807, Mar. 4.
Car mover. T. D. Stewart. 2,598,197, May 27.
Car protector. F. Muciaccia and E. K. Lotthammer. 2,623,481, Dec. 30.
Car replacer. H. M. Alderman. 2,593,956, Apr. 22.
Car seat leg rest. R. N. Owler. 2,608,242, Aug. 26.

Car shifting mechanism. W. R. Stamler. 2,606,504, Aug. 12.
Car storage garage. A. S. Elliott. 2,619,684, Dec. 2.
Car top bow-supported tent. L. L. Jones. 2,615,458, Oct. 28.
Car unloading apparatus. R. H. Findlay. 2,608,311, Aug. 26.
Car washer of the rotary power-driven brush type, Two-way. L. D. Holmes. 2,589,255, Mar. 18.
Car wheel. C. V. Osborne. 2,590,567, Mar. 25.
Carafe handle. M. Alex. 2,598,747, June 3.
Caramel color manufacture. J. B. Longenecker. 2,582,261, Jan. 15.
Carbamate of 3-ortho-toloxy-1,2-propanediol. W. A. Lott and E. Pribyl. 2,609,386, Sept. 2.
Carbamate-quaternary ammonium compounds and their preparation. R. T. Olsen. 2,585,826, Feb. 12.
Carbamylbenzene stibonic acids. N. Steiger. 2,599,291, June 3.
Carbocyanine dyes. J. C. Firestine. 2,609,371, Sept. 2.
Carbohydrate processes. K. M. Gaver. 2,609,368, Sept. 2.
Carbon arc-torch. H. W. Snyder. 2,603,736, July 15.
Carbon black. W. C. Ekholm. 2,599,981, June 10.
Carbon black manufacture. G. L. Heller. 2,597,991, May 27.
Carbon black, Manufacture of. J. L. Bills and A. C. McKinnis. 2,618,533, Nov. 18.
Carbon black, Manufacture of. W. C. Ekholm and G. L. Heller. 2,597,232–3, May 20.
Carbon black pelleting process. C. W. Sweitzer. 2,591,024, Apr. 1.
Carbon black process. J. C. Krejci. 2,616,794, Nov. 4.
Carbon black process and apparatus. J. C. Krejci. 2,600,994, June 17.
Carbon black, Producing. P. M. Arnold. 2,617,714, Nov 11.
Carbon black, Producing. G. N. Cade. 2,587,107, Feb. 26.
Carbon black, Producing. J. C. Krejci. 2,616,795, Nov. 4.
Carbon-containing Fischer-Tropsch catalyst and its preparation. B. G. Gillespie. 2,608,535, Aug. 26.
Carbon dioxide, Production of. R. Bridges. 2,593,530, Apr. 22.
Carbon dioxide, Production of. W. W. Miller, J. Turkevich, and N. Zwiebel. 2,622,008, Dec. 16.
Carbon disulfide, Preparation of. H. O. Folkins and E. Miller. 2,616,793, Nov. 4.
Carbon electrodes from bituminous coal. F. L. Shea, Jr. 2,594,226, Apr. 22.
Carbon electrodes, Manufacture of. B. L. Bailey. 2,582,764, Jan. 15.
Carbon filament holder. W. F. Elsholz. 2,597,714, May 20.
Carbon monoxide and hydrogen synthesis gas, Production of. B. J. Mayland. 2,618,543, Nov. 18.
Carbon paper holder for manifolding typewriters. J. C. Doyle. 2,615,731, Oct. 28.
Carbon paper holding means for manifolding typewriters. W. J. Feitl and E. J. O'Brien. 2,601,913, July 1.
Carbon paper pack. J. A. Heckman. 2,600,535, June 17.
Carbon sheet arrangement for use with continuous stationery. J. W. Randall. 2,590,038, Mar. 18.
Carbon supply control for manifolding typewriters. A. A. Johnson. 2,623,623, Dec. 30.
Carbonating apparatus. M. G. Anderson. 2,586,499, Feb. 19.
Carbonating apparatus. P. Kollsman. 2,591,440, Apr. 1.
Carbonating machine. G. W. Bayers, Jr. 2,606,749, Aug. 12.
Carbonator. C. A. Brown. 2,604,310, July 22.
Carbonization of carbonizable solids. W. W. Odell and G. L. Matheson. 2,595,365, May 6.
Carbonization, Process and apparatus for. G. B. Cramp. 2,581,517, Jan. 8.
Carbonizing subdivided solids. G. L. Matheson. 2,614,069, Oct. 14.
Carbonizing unit. S. Thomsen. 2,589,895, Mar. 18.
Carbonyl process. J. J. Lander. 2,602,033, July 1.
Carbo-polymerization homopolymers of unsaturated alcohol ethers of glycidols and their homologs. T. W. Evans and E. C. Shokal. 2,599,817, June 10.
Carbothioic acids, Preparing. J. C. McCool. 2,587,580, Mar. 4.
Carboxyalkylation of ketonic compounds. W. L. Beears. 2,600,387, June 17.
Carboxyalkylmercapto stibonic acid compounds. N. Steiger and O. Keller. 2,584,639, Feb. 5.
Carboxyethyl cellulose, Preparation of. C. L. P. Vaughan. 2,618,633, Nov. 18.
Carboxymethyl ethers. W. F. Filbert. 2,599,620, June 10.
Carboxyphenylpolysiloxanes. A. J. Barry and J. W. Gilkey. 2,601,237, June 24.
Carboxyl compounds, Manufacture of. H. J. Hagemeyer, Jr. 2,593,440, Apr. 22.
Carboxylated methyl cellulose with quaternary ammonium compound as topical remedy. H. A. Shelanski. 2,585,048, Feb. 12.
Carboxylic acids from oxo alcohol esters, Preparation of. R. B. Mason. 2,607,787, Aug. 19.
Carboxylic acids, Preparation of. T. F. Doumani and C. S. Coe. 2,612,520, Sept. 30.
Carboxylic acid-sulfonic acid mono-halides, new acylating agents, and the manufacture thereof. C. Graenacher, A. E. Siegrist, and H. Bruengger. 2,623,050, Dec. 23.
Carbureted water gas, Method and apparatus for the manufacture of. G. L. Eaton. 2,606,828, Aug. 12.
Carbureting mechanism. W. L. Howe, Jr. 2,591,356, Apr. 1.
Carburetor. L. T. Arnold. 2,583,406, Jan. 22.
Carburetor. J. S. Carrey. 2,619,333, Nov. 25.
Carburetor. J. H. Cater. 2,590,377, Mar. 25.
Carburetor. M. E. Chandler. 2,601,976, July 1.
Carburetor. R. W. Engnath. 2,597,780, May 20.
Carburetor. S. F. Hunt. 2,601,975, July 1.
Carburetor. W. R. Kutik, Jr., and J. Goodman. 2,603,467, July 15.
Carburetor. P. C. Lacoste. 2,606,751, Aug. 12.
Carburetor. W. J. Lindsteadt. 2,621,911, Dec. 16.
Carburetor. W. J. McSpedon. 2,601,977, July 1.
Carburetor. E. Olson. 2,615,694, Oct. 28.
Carburetor. A. C. Pothier. 2,594,344, Apr. 29.
Carburetor. R. A. Pyle. 2,585,171, Feb. 12.
Carburetor. H. T. Scott. 2,609,187, Sept. 2.
Carburetor. E. H. Shaff. 2,598,450, May 27.
Carburetor. H. E. Shultz. 2,617,639, Nov. 11.
Carburetor. C. R. Snyder. 2,595,719–21, May 6.
Carburetor. C. E. Streed. 2,611,595, Sept. 23.
Carburetor. A. H. Winkler. 2,609,806, Sept. 9.
Carburetor. A. H. Winkler. 2,615,440, Oct. 28.
Carburetor. A. H. Winkler. 2,615,695–6, Oct. 28.
Carburetor. E. O. Wirth and F. Barfod. 2,610,044, Sept. 9.
Carburetor attachment, Diesel. D. R. Barnett. 2,607,570, Aug. 19.
Carburetor choke and nozzle, Combined. S. M. Udale. 2,617,638, Nov. 11.
Carburetor choke mechanism. H. G. Moore. 2,612,790, Oct. 7.
Carburetor construction. J. P. Studnicky and A. S. Rick. 2,617,656, Nov. 11.
Carburetor deicer. J. T. W. Moseley. 2,603,199, July 15.
Carburetor economizer mechanism. R. H. Helger. 2,600,650, June 17.
Carburetor flow testing apparatus. J. L. Edelen. 2,597,231, May 20.
Carburetor for aircraft engines without compressors. R. H. Tissier. 2,619,334, Nov. 25.
Carburetor nozzle system. O. Henning. 2,621,030, Dec. 9.
Carburetor testing machine. J. C. Abbott. 2,597,274, May 20.
Carburetor, Two-fuel. J. T. W. Moseley. 2,621,029, Dec. 9.
Carburetor with diffusion and distribution chambers. G. S. and C. S. Gonzalez. 2,621,031, Dec. 9.
Carburetor system. R. L. McDonnell. 2,582,389, Jan. 15.
Carburetor, Two-fuel. L. D. Boyce. 2,611,593, Sept. 23.
Carburetor with automatic air feed control. A. C. Russell. 2,614,581, Oct. 21.
Carburization of iron and steel. A. G. E. Hultgren. 2,584,019, Jan. 29.
Cardboard packing. B. Benzon-Petersen. 2,608,339, Aug. 26.
Card clothing. H. C. Murray. 2,619,683, Dec. 2.
Card deck holder. C. C. Alford. 2,608,291, Aug. 26.
Card feed controlling mechanism. R. A. Stewart and A. E. Barber. 2,620,977, Dec. 9.
Card game equipment. B. F. Edwards. 2,600,951, June 17.
Card holder. A. H. Kern. 2,584,352, Feb. 5.
Card holder. L. S. Kneifel and H. V. Sharlitt. 2,614,350, Oct. 21.
Card holding device. M. Rubinoff. 2,607,594, Aug. 19.
Card holding folder and in attaching means for the same. R. Hirschfelder. 2,595,945, May 6.
Card index. F. Perwolf. 2,588,286, Mar. 4.
Card index and slidable signal. W. F. Block. 2,621,658, Dec. 16.
Card or folder, Greeting. A. Barker. 2,609,639, Sept. 9.
Card punching machine. C. R. Doty, H. J. Klotz, and T. D. Koranye. 2,602,509, July 8.
Card register and the like. R. Hofgaard. 2,602,451, July 8.
Card reproducing machine. K. A. Knutsen. 2,623,592, Dec. 30.
Card separator and support. H. Crouch. 2,586,920, Feb. 26.
Card shuffling aid. P. A. Napiecinski. 2,583,871, Jan. 29.
Card shuffling and dealing device. C. P. Sivertson. 2,588,582, Mar. 11.
Card sorter. C. Bard. 2,587,682, Mar. 4.
Card sorting device. A. A. Rembold. 2,610,632, Sept. 16.
Card stenciling machine with address printing means. A. D'Amato. 2,612,103, Sept. 30.
Card structure and making same. L. Baker. 2,612,711, Oct. 7.
Card supporting device. M. C. Ranseen. 2,600,429, June 17.
Card system. N. I. Stark. 2,612,168, Sept. 30.
Card table-supporting rack. D. K. Petersen. 2,600,917, June 17.
Card table with individual trays. F. J. Hochalter. 2,612,424, Sept. 30.
Card tag. H. J. De Dell, Jr. 2,605,566, Aug. 5.
Carding fibrous material. W. N. Dunn. 2,603,840, July 22.
Carding machinery. A. Varga. 2,619,682, Dec. 2.
Cardio-active glycoside, Preparation of a. H. Rosen and C. T. Ichniowski. 2,615,884, Oct. 28.

Cardiogram interpreter. C. J. Glasser. 2,605,961, Aug. 5.
Cargo air transport. V. J. Burnelli. 2,616,639, Nov. 4.
Cargo brace and the like. A. Sowden. 2,612,848, Oct. 7.
Cargo handling apparatus for ships. B. M. Green. 2,613,001, Oct. 7.
Cargo lift. S. L. Saxton and S. E. Lowell. 2,581,887, Jan. 8.
Cargo securing means. W. H. Clark. 2,609,761, Sept. 9.
Cargo securing system. F. L. Davis. 2,605,064, July 29.
Cargo tank mount. D. G. La Rue. 2,606,039, Aug. 5.
Cargo tester which simulates ship's motion. H. G. Alley, Jr. 2,614,413, Oct. 21.
Cargo transporter, Overside. C. E. Dougherty and E. E. Minor. 2,591,140, Apr. 1.
Carpenter's plane. A. A. Giacopini. 2,601,880, July 1.
Carpet anchoring device. R. Goodemoot. 2,587,836, Mar. 4.
Carpet cutter. W. A. Rice. 2,603,866, July 22.
Carpet cutting tool. E. Iovinelli. 2,607,115, Aug. 19.
Carpet fastener. A. C. Eichin. 2,614,284, Oct. 21.
Carpet fastener and binder, Combined. T. Jaasund. 2,611,918, Sept. 30.
Carpet holding device. J. C. Owens. 2,602,952, July 15.
Carpet sweeper having an automatically driven dust remover. W. A. Sherbondy. 2,598,611, May 27.
Carpet sweeper wheel linkage. P. Heftler. 2,613,380, Oct. 14.
Carpet sweeper with brush pressure control means. B. R. Thiele. 2,602,175, July 8.
Carpet sweeper with disposable dust receptacle. A. P. Buquor. 2,611,913, Sept. 30.
Carpet tufting and pile cutting device. T. K. Holmen. 2,591,039, Apr. 8.
Carpet tufting machine. R. C. Kline. 2,591,944, Apr. 8.
Carpet tufting machine. R. C. Kline and J. Miller. 2,600,993, June 17.
Carriage and bucket for inclinable booms. R. F. Lindow. 2,593,322, Apr. 15.
Carriage, Collapsible. G. C. Terry. 2,623,755, Dec. 30.
Carriage drive mechanism for curd forking machines. E. W. Detjen. 2,617,191, Nov. 11.
Carriage for distributor spouts. L. Delivuk. 2,602,399, July 8.
Carriage for vacuum cleaners, Elevated. D. Liesener. 2,591,365, Apr. 1.
Carriage mounting. T. H. Ljunggren. 2,622,939, Dec. 23.
Carriage position control means for calculating machines. H. W. Pinckney. 2,603,417, July 15.
Carriage return mechanism for recording apparatus. E. E. Kleinschmidt. 2,606,641, Aug. 12.
Carriage returning and paper feeding appliance for typewriters. E. Trullemans. 2,619,214, Nov. 25.
Carriage returning mechanism for typewriters or like machines. H. J. Hart. 2,617,512, Nov. 11.
Carriage step-starter. H. M. Creveling. 2,606,035, Aug. 5.
Carrier: *See*—
Amalgam carrier.
Apron-type package and article carrier.
Automobile luggage carrier.
Bait carrier.
Battery and cable carrier.
Battery carrier.
Boat carrier.
Bottle carrier.
Bottler carrier.
Child carrier.
Collapsible luggage carrier.
Collapsible sheet metal bottle carrier.
Disk harrow carrier.
Enclosed kite-type detector carrier.
Fire extinguisher carrier.
Fishhook and leader carrier.
Fishhook leader carrier.
Foldable basket carrier.
Foldable cardboard bottle carrier.
Golf bag carrier.
Golf club carrier.
Gun carrier.
Hose carrier.
Integral tool carrier.
Line carrier.
Linked slide carrier.
Log carrier.
Mail carrier.
Necktie carrier.
Nesting marketing carrier.
Overhead carrier.
Paperboard partitioned article carrier.
Parcel carrier.
Pull rod carrier.
Sectionalized bottle carrier.
Slide rule belt carrier.
Stationery carrier.
Tire carrier.
Underslung automobile carrier.
Vacuum cleaner carrier.
Vaporizer carrier.
Water bag carrier.
Wheeled carrier.
Carrier and seat, Collapsible child's. J. P. Bosk. 2,587,688, Mar. 4.
Carrier and support, Mattress. L. Deen. 2,584,792, Feb. 5.
Carrier apparatus for paper driers. T. L. Coleman. 2,601,502, June 24.
Carrier-current coupler. B. E. Lenehan. 2,611,022, Sept. 16.
Carrier for bottles and cans. M. I. Williamson. 2,605,034–5, July 29.
Carrier for bottles and the like, Two-piece portable. N. Geertsen. 2,594,304, Apr. 29.
Carrier for braiding machines. J. E. Chace. 2,619,001, Nov. 25.
Carrier for cartons and the like. V. L. Nielsen. 2,590,999, Apr. 1.
Carrier for chimed cans. F. W. Hackman and W. J. Poole. 2,611,521, Sept. 23.
Carrier for columnar articles. O. L. Vines. 2,615,612, Oct. 28.
Carrier for containers. M. W. Keith. 2,598,920, June 3.
Carrier for conveyer systems, Adjustable. M. R. Weingarten. 2,595,182, Apr. 29.
Carrier for folding chairs. I. G. Smith. 2,621,943, Dec. 16.
Carrier for shuttleless looms, Filling. M. R. Flamand. 2,586,638, Feb. 19.
Carrier for use on top of automobiles. R. E. and H. A. Carter. 2,589,772, Mar. 18.
Carrier handle for cameras. R. Cuchet. 2,588,705, Mar. 11.
Carrier inductive communication system for vehicles. E. W. Marlowe. 2,611,075, Sept. 16.
Carrier latch for firearms, Serrated. R. E. Clarkson. 2,592,858, Apr. 15.
Carrier mounted work clamping and releasing mechanism. C. E. Lehmann. 2,619,999, Dec. 2.
Carrier package. R. Guyer and R. J. Hennessey. 2,598,051, May 27.
Carrier system having variable power level for supervisory signaling. P. Bakker. 2,590,672, Mar. 25.
Carrier telegraph repeater. L. C. Roberts. 2,606,961, Aug. 12.
Carrier telegraph system. A. L. Matte. 2,623,123, Dec. 23.
Carrier telegraph system. V. J. Terry, T. F. S. Hargreaves, and H. T. Prior. 2,613,272, Oct. 7.
Carrier telephone system. I. Molnar. 2,603,717, July 15.
Carrier telephone system with audio-frequency signaling. W. C. Dillon and C. H. Kehm. 2,604,544, July 22.
Carrier tray for gear hardening apparatus, Removable. D. J. Reynolds. 2,611,473, Sept. 23.
Carrier wave generator. G. Hepp. 2,617,034, Nov. 4.
Carrier wave signaling system, Electric. K. W. Harrison. 2,598,996, June 3.
Carrier with handle, Compartmental folded paperboard. H. W. Forrer. 2,606,711, Aug. 12.
Carrying device. T. B. Boone. 2,604,210, July 22.
Carrying device, Irrigation pipe. H. J. Strahm. 2,597,760, May 20.
Carrying out endothermic and exothermic reactions. P. W. Garbo. 2,582,246, Jan. 15.
Carrying out the local surface treatment of articles conveyed on a traveling belt, Method and arrangement for. K. J. Glans. 2,623,655, Dec. 30.
Carrot cutter. L. Greenidge. 2,614,324, Oct. 21.
Cart, Beet harvester loading. J. W. Orendorff. 2,599,475, June 8.
Cart, Child's pull. E. W. Maas. 2,582,143, Jan. 8.
Cart, Collapsible shopping. J. Brodeck. 2,589,044, Mar. 11.
Cart, Dust. H. Linde. 2,590,256, Mar. 25.
Cart, Folding utility. P. Rusnak. 2,613,951, Oct. 14.
Cart for household use, Laundry. J. B. Swain. 2,597,544, May 20.
Cart, Golf club. H. A. Schmid. 2,597,386, May 20.
Cart having a vertically adjustable platform, Clothes. R. M. Schultz. 2,604,334, July 22.
Cart, Nesting basket. W. R. Alexander. 2,605,116, July 29.
Cart, Nesting merchandise. L. Maslow. 2,583,514, Jan. 22.
Cart, Shopping. S. G. Brottman. 2,615,726, Oct. 28.
Cart, Tote. B. E. Williams. 2,585,360, Feb. 12.
Cart, Utility. O. Webber. 2,596,749, May 13.
Cart, Winged harrow hitching. C. D. Archer and K. L. Shuey. 2,599,084, June 3.
Carton. M. Burger. 2,605,951, Aug. 5.
Carton. R. C. Casselman and D. R. Dominie. 2,594,394, Apr. 29.
Carton. P. C. Collura. 2,623,684, Dec. 30.
Carton. H. W. Darr. 2,613,867, Oct. 14.
Carton. E. E. Eldredge. 2,603,404, July 15.
Carton. W. P. Frankenstein. 2,588,377, Mar. 11.
Carton. W. P. Frankenstein. 2,593,430, Apr. 22.
Carton. W. P. Frankenstein. 2,612,306, Sept. 30.
Carton. W. P. Frankenstein. 2,614,746, Oct. 21.
Carton. W. G. Freel and S. F. Jones. 2,581,400, Jan. 8.
Carton. D. Lavkoff. 2,595,678, May 6.
Carton. L. D. Liskin. 2,596,261, May 13.
Carton. R. F. McGinnis. 2,593,778, Apr. 22.
Carton. W. T. Stearn. 2,602,581, July 8.
Carton. A. B. Storey. 2,583,672–3, Jan. 29.
Carton. P. A. Toensmeier. 2,609,137, Sept. 2.
Carton and box, Display. W. T. S. Hendrick. 2,593,143, Apr. 15.
Carton and carton blank. A. J. Weiss. 2,609,138, Sept. 2.
Carton, Article dispensing paper. W. J. Wells. 2,605,038, July 29.
Carton, Bib dispensing. G. B. Turner. 2,604,253, July 22.
Carton blank handling machine. L. Perilli. 2,582,393, Jan. 15.
Carton closing and flap tucking machine. J. M. Schmied. 2,598,135, May 27.
Carton, Collapsible cardboard. H. C. Bloomer. 2,591,500, Apr. 1.
Carton, Collapsible cellular. K. T. Buttery. 2,605,952, Aug. 5.
Carton, Collapsible cellular. K. T. Buttery. 2,613,024, Oct. 7.
Carton construction. H. J. Fischer. 2,617,578, Nov. 11.

Carton, Convertible. W. P. Frankenstein. 2,618,887, Nov. 25.
Carton, Dish. A. E. Blumner. 2,583,081, Jan. 22.
Carton, Display. E. W. Fuerst. 2,592,678, Apr. 15.
Carton, Display. E. Otten. 2,602,541, July 8.
Carton, Divisible. C. D. Fallert and G. E. Whalley. 2,614,745, Oct. 21.
Carton, Double-walled. L. J. McDonough. 2,620,116, Dec. 2.
Carton, Duplex divisible. R. O. Spalding. 2,591,629, Apr. 1.
Carton, Egg. M. Burger. 2,608,338, Aug. 26.
Carton, Egg. M. H. Kowal. 2,584,595, Feb. 5.
Carton, Egg. J. W. Lennon. 2,591,446, Apr. 1.
Carton, Egg. J. A. O'Reilly. 2,588,936, Mar. 11.
Carton, Egg. R. M. Schilling. 2,600,130, June 10.
Carton erecting machine. R. J. Hickin and G. H. Steele. 2,604,827, July 29.
Carton erecting machine. J. O. Rohdin. 2,619,882, Dec. 2.
Carton erecting machine. R. O. Woelfer. 2,612,823, Oct. 7.
Carton feeding apparatus. P. J. Blackwell. 2,593,965, Apr. 22.
Carton filling and weighing machine. F. M. Willbrandt. 2,595,035, Apr. 29.
Carton flap opener. E. A. Wahl and R. J. Winters. 2,620,961, Dec. 9.
Carton, Folding. A. J. Weiss. 2,598,627, May 27.
Carton folding apparatus and method. H. Ahlmeyer and W. D. Sherman. 2,616,341, Nov. 4.
Carton folding mechanism R. J. Hickin. 2,608,916, Sept. 2.
Carton for handled tools. C. S. Lehman. 2,603,350, July 15.
Carton for holding eggs. L. W. Schmirler. 2,594,504, Apr. 29.
Carton for making ice-cream sandwiches. P. I. Henderson. 2,591,812, Apr. 8.
Carton for protection of fragile articles, Integral. J. F. Currivan. 2,611,529, Sept. 23.
Carton for sink frames. F. G. Schuler. 2,620,062, Dec. 2.
Carton, Glass syringe packaging. S. Kolodny. 2,604,987, July 29.
Carton handling and loading apparatus. R. J. Fahey and M. Burger. 2,601,750, July 1.
Carton, Inner lined folding. H. Gottesman. 2,599,708, June 10.
Carton, Lined dispensing. C. G. Klein. 2,583,856, Jan. 29.
Carton loading device. J. F. Currivan. 2,605,946, Aug. 5.
Carton mold box for frozen food confections, Disposable. W. Hammond. 2,622,784, Dec. 23.
Carton, Molded pulp egg. F. H. Sherman. 2,587,909, Mar. 4.
Carton, One-piece reinforced. R. Guyer. 2,594,156, Apr. 22.
Carton opening machine. A. G. Rose and J. Page. 2,598,071, May 27.
Carton packing apparatus. L. H. Bowes. 2,613,021, Oct. 7.
Carton, Partitioned. R. M. Bergstein. Re. 23,597, Dec. 23.
Carton, Portable display. J. V. Fisher. 2,611,527, Sept. 23.
Carton-sealing and handling machine. J. D. Conti. 2,597,922, May 27.
Carton setup machine. L. E. Arneson. 2,585,074, Feb. 12.
Carton setup machine. J. J. Wetzler. 2,585,201, Feb. 12.
Carton, Shipping and carry-out. R. E. Wolfe. 2,599,800, June 10.
Carton, Tight. F. D. Bergstein. 2,604,252, July 22.
Carton, Tiltable display. R. Guyer. 2,591,425, Apr. 1.
Carton, Tissue dispensing. R. Guyer. 2,598,050, May 27.
Carton, Tumbler carrying. H. V. Bolding. 2,609,981, Sept. 9.
Carton with cover convertible to easel, Display. M. I. Williamson. 2,585,361, Feb. 12.
Carton with easel-forming closure member. W. E. Turner. 2,598,149, May 27.
Carton with handhole reinforcing and flap securing clip, Shipping. W. C. George. 2,611,530, Sept. 23.
Carton with infolded sides, Book style. W. P. Frankenstein. 2,603,405, July 15.
Cartoning machine. W. E. MacKenzie. 2,605,598, Aug. 5.
Cartridge and manufacturing same. R. T. Catlin. 2,616,371, Nov. 4.
Cartridge and producing same, Metal. M. L. A. Paulve. 2,591,286, Apr. 1.
Cartridge belt assembly tool. W. R. Kunz. 2,608,900, Sept. 2.
Cartridge belt link. P. H. Dixon. 2,600,492, June 17.
Cartridge carrier for repeating firearms, Two-part. V. A. Browning. 2,604,713, July 29.
Cartridge feed device for automatic firearms. B. Maillard. 2,586,358, Feb. 19.
Cartridge feeding mechanism for the magazines of automatic firearms. O. Schälkli. 2,596,293, May 13.
Cartridge for dispensing liquid chemicals. P. Alexander. 2,601,938, July 1.
Cartridge for multicolor ball point pens. P. Kollsman. 2,585,016, Feb. 12.
Cartridge for pressure dispensing devices. L. T. Ward. 2,613,849, Oct. 14.
Cartridge guide device for repeating firearms. E. W. Chapin and L. Elkas. 2,585,738, Feb. 12.
Cartridge link guide. A. C. Bonkemeyer. 2,603,130, July 15.
Cartridge loading device. A. J. Grogan. 2,592,415, Apr. 8.
Cartridge loading tool. J. D. Crump. 2,600,488, June 17.
Cartridge positioner. J. C. Elms. 2,599,546, June 10.
Cartridge type seal. O. Brummer. 2,598,886, June 3.
Carving board unit. H. P. Wells. 2,599,681, June 10.
Case: *See*—
- Automobile cigarette case.
- Battery case.
- Beverage case.
- Bill case.
- Bottle case.
- Clock controlled cigarette case.
- Combination beverage and meat case.
- Combined carrying and studying case.
- Container case.
- Delivery case.
- Dismountable case.
- Display case.
- Drill case.
- Eyeglass case.
- Fishing rod carrying case.
- Fishing rod case.
- Folding metallic case.
- Heated carrying case.
- Key carrying case.
- Key case.
- Key ejector case.
- Lipstick case.
- Loose-leaf holder case.
- Magnetic key case.
- Metallic cellular beverage case.
- Music stand utility case.
- Portable accessory case.
- Portable utility case.
- Refrigerated case.
- Refrigerated display case.
- Rifle stock cartridge case.
- Salesman's carrying case.
- Severable multiple unit case.
- Shipping case.
- Side opening carrying case.
- Spectacle case.
- Thermometer case.
- Tie case.
- Time controlled cigarette case.
- Torpedo level case.
- Wardrobe case.
- Wrench case.

Case, J. Harwood. 2,604,919, July 29.
Case and cover, Instrument. W. R. Triplett. 2,581,734, Jan. 8.
Case for electrical measuring instruments. R. L. Triplett. 2,590,212, June 3.
Case for fragile articles, Shipping. J. R. Grant. 2,588,232, Mar. 4.
Case for frozen foods, Dispensing. H. W. Kleist. 2,607,204, Aug. 19.
Case for inflatable articles, Protective. C. P. Krupp. 2,609,549, Sept. 9.
Case for keys and driver's license, Carrying. L. F. Otten. 2,596,716, May 13.
Case for lipstick and the like. P. Sulnat. 2,600,811, June 17.
Case for portable batteries, Carrying. W. Y. Stamper. 2,592,209, Apr. 8.
Case for shoes, Traveling. S. Meyer. 2,609,897, Sept. 9.
Case hardened rubber pitting chuck. G. W. Ashlock, Jr. 2,614,594, Oct. 21.
Case having interengageable closures, Compartmented. J. G. Ramsey. 2,584,048, Jan. 29.
Casemaker. P. Bunch, P. Nittome, and R. Jennings. 2,596,068, May 6.
Case or the like, Pass. D. J. Broughton. 2,589,667, Mar. 18.
Case shifting mechanism and repeat typing mechanism for power-operated typewriters and like machines. W. H. Kupper. 2,590,777, Mar. 25.
Case unloader. E. Ardell. 2,609,109, Sept. 2.
Case with heat-resistant rectractor and closure belt. J. G. Bradley. 2,615,772, Oct. 28.
Case with spring-urged pivoted sliding closure. B. Linneman. 2,584,721, Feb. 5.
Casing applier. M. J. G. Tipper. 2,604,657, July 29.
Casing centering device. R. C. Baker. 2,602,512, July 8.
Casing centralizer. E. H. Clark, Jr. 2,605,844, Aug. 5.
Casing collar locator. L. M. Swift. 2,602,833, July 8.
Casing completion and method. R. A. Mueller and R. L. Crain. 2,620,880, Dec. 9.
Casing head. J. W. Thatch. 2,617,485, Nov. 11.
Casing mill. E. J. Robishaw. 2,599,069, June 3.
Casing perforating gun. J. O. Tow. 2,591,319, Apr. 1.
Casing perforator. A. English and L. E. Ridgeway. 2,604,941, July 29.
Casing repairing device. C. C. Brown. 2,593,725, Apr. 22.
Casing scraper. R. C. Baker and W. S. Althouse, Jr. 2,602,515, July 8.
Casing stick holder. D. J. McLaughlin. 2,616,572, Nov. 4.
Casing support for meat processing units. A. L. Jackson. 2,598,549, May 27.
Casing with reservoir and hand actuated discharge valve. N. S. Gilbert. 2,602,946, July 15.
Casein-lactalbumin coprecipitate and its preparation. E. C. Scott. 2,623,038, Dec. 23.
Casement window for air conditioners. H. J. Bolin. 2,612,098, Sept. 30.
Casement window lock. N. M. Hiser. 2,616,737, Nov. 4.
Casement window mounted air conditioner. T. J. Deering. 2,610,483, Sept. 16.
Cash drawer. F. L. West. 2,582,471, Jan. 15.
Cash drawer or till tray. J. L. Jertson. 2,594,653, Apr. 29.
Cash register. H. and S. Gross. 2,615,621, Oct. 28.
Cash register. E. G. Yackley, N. L. Young, and E. H. Kunz. 2,581,463, Jan. 8.
Cashew nut shell liquor-vinsol compositions. P. L. Rosamilia and S. Caplan. 2,618,618, Nov. 18.

Cashew oil condensation and polymerization in the shell. C. T. Nemir. 2,592,588, Apr. 15.
Casket construction. J. J. McEwan. 2,582,841, Jan. 15.
Casket construction. J. J. McEwan. 2,587,355, Feb. 26.
Casket corner construction. B. F. Paul. 2,594,580, Apr. 29.
Casket floral rack. W. T. Bell. 2,594,722, Apr. 29.
Casket handle. A. L. Gordon. 2,580,909, Jan. 1.
Casket, Hermetically sealed burial. A. J. Woltering. 2,585,363, Feb. 12.
Casket placer. J. P. Wilkirson. 2,588,445, Mar. 11.
Casket rack for hearses, Fold-away. E. L. Schofield. 2,585,046, Feb. 12.
Casket seal structure. B. F. Paul. 2,585,403, Feb. 12.
Casket seal structure. B. F. Paul. 2,598,422, May 27.
Casket table. E. L. Connally. 2,601,714, July 1.
Casket transporting and hoisting vehicle. G. Forman. 2,599,052, June 3.
Casket, Vacuum sealed. H. J. Kimmel. 2,617,171, Nov. 11.
Cassette. F. W. Reuter. 2,590,891, Apr. 1.
Cast cutter. J. A. Pickles. 2,617,180, Nov. 11.
Cast for orthopedic use. J. J. Eberl. 2,582,242, Jan. 15.
Cast iron, Producing. L. C. Crome. 2,622,022, Dec. 16.
Cast pigmented plastic sheet. W. W. Ulmer and L. R. Burroughs. 2,615,271, Oct. 28.
Cast products from urea formaldehyde condensate and albuminous plasticizers, Production of. W. R. J. Happé. 2,618,017, Nov. 18.
Cast refractories, Producing. T. E. Field and H. T. Smyth. 2,603,914, July 22.
Cast-sock. L. E. J. Comfort. 2,596,211, May 13.
Cast wheel of rolling stock. F. C. Paynter. 2,609,229, Sept. 2.
Casting apparatus. C. F. Gray. 2,586,027, Feb. 19.
Casting apparatus. T. O. Zschokke. 2,618,832, Nov. 25.
Casting apparatus for film support or sheeting. G. F. Nadeau and A. M. Glasoe. 2,592,319, Apr. 8.
Casting bobber. C. R. Carpenter. 2,593,728, Apr. 22.
Casting ceramic articles, Method and apparatus for. J. M. Hendrickson. 2,583,842, Jan. 29.
Casting concrete bodies with cavities therein, Method and apparatus for. M. Van Buren. 2,602,979, July 15.
Casting core removal. T. H. Oster. 2,597,896, May 27.
Casting equipment. G. C. Kohl. 2,585,662, Feb. 12.
Casting ingots of rimming steel, Method and device for. H. J. Daussan. 2,591,517, Apr. 1.
Casting machine for producing hollow rubber or like articles, Rotary. D. G. Rempel. 2,603,836, July 22.
Casting mechanism. S. J. Carnes. 2,584,550, Feb. 5.
Casting reel. A. E. Whittington. 2,623,705, Dec. 30.
Casting reel for fishing rods. A. Tiustos. 2,622,823, Dec. 23.
Casting rod. H. A. James. 2,593,885, Apr. 22.
Casting sheets of polymerized d-chloroacrylic acid esters. H. D. Anspon and F. E. Pschorr. 2,593,827, Apr. 22.
Caster. A. M. Budnick and N. O. Berg. Re. 23,459, Feb. 12.
Caster. W. H. Noelting and J. A. Skupas. 2,589,847, Mar. 18.
Caster and camber compensation for banking vehicles. J. Kolbe. 2,580,558, Jan. 1.
Casterable airplane wheel. N. C. Koester and C. D. Cupp. 2,614,775, Oct. 21.
Castor oil-unsaturated dicarboxylic acid copolymer resins. F. A. Yeoman. 2,590,668, Mar. 25.
Castrating band applying tool. C. Maddox. 2,582,640, Jan. 15.
Cat head. H. L. Comstock. 2,619,322, Nov. 25.
Catadioptric telephoto system. F. G. Back. 2,610,547, Sept. 16.
Catalase from red blood cells and whole blood, Preparation of. H. L. Keil. 2,614,063, Oct. 14.
Catalase, Preparation of. H. L. Keil. 2,614,062, Oct. 14.
Catalysis and process for reforming hydrocarbons. H. M. Stine. 2,584,756, Feb. 5.
Catalysis of alkyl aromatic isomerization. G. E. Langlois. 2,585,899, Feb. 12.
Catalyst and process for ethylene oxide manufacture. G. W. Sears, Jr. 2,615,899, Oct. 28.
Catalyst containing silica and alumina or magnesia or both, Preparation of. J. P. West. 2,592,775, Apr. 15.
Catalyst control in organic reactions. T. B. Hudson. 2,590,539, Mar. 25.
Catalyst fluidization. J. P. Hogan and R. L. Banks. 2,606,104, Aug. 5.
Catalyst for the synthesis of hydrocarbons by reduction of carbon monoxide with hydrogen and utilizing same. A. H. Friedman and J. N. Moran. 2,588,511, Mar. 11.
Catalyst from clay, Production of a. G. A. Mills. 2,584,148, Feb. 5.
Catalyst production and utilization. S. B. Sweetser. 2,619,449, Nov. 25.
Catalyst reaction vessel. A. F. Kaulakis and H. G. Codet. 2,612,437, Sept. 30.
Catalyst regeneration apparatus. C. C. Peavy and R. M. Shirk. 2,591,719, Apr. 8.
Catalyst regeneration system. K. M. Watson and R. L. Smith. 2,596,748, May 13.
Catalyst stripping and apparatus therefor. R. P. Trainer and L. E. Border. 2,618,074, Nov. 18.
Catalyst stripping of fouled catalysts employed in hydrocarbon conversion processes. W. H. Borcherding. 2,589,984, Mar. 18.
Catalyst support. R. E. Heffner. 2,611,684, Sept. 23.
Catalyst unit. W. A. Perry and D. R. Merrill. 2,607,663, Aug. 19.
Catalyst vessel. E. F. Brummerstedt. 2,614,034, Oct. 14.
Catalysts, Preparing. R. L. Daussat and C. T. Steele. 2,595,772, May 6.
Catalytic apparatus. J. H. Hirsch. 2,585,462, Feb. 12.
Catalytic apparatus. R. K. Hunter. 2,610,909, Sept. 16.
Catalytic contacting tower. E. L. Sinclair and W. A. Hagerbaumer. 2,592,479, Apr. 8.
Catalytic conversion. K. K. Kearby and J. F. Black. 2,605,275, July 29.
Catalytic conversion. E. W. Riblett. 2,616,914, Nov. 4.
Catalytic conversion of carbon monoxide and hydrogen to hydrocarbons and oxygenated organic compounds. J. H. Crowell and H. E. Benson. 2,617,816, Nov. 11.
Catalytic conversion of carbon oxides. C. W. Watson. 2,585,981, Feb. 19.
Catalytic conversion of hydrocarbons and the stripping of the fouled catalyst particles with steam. O. G. Kaasa. 2,613,173, Oct. 7.
Catalytic conversion of hydrocarbons in the presence of regeneration gases. P. C. Keith. 2,606,862, Aug. 12.
Catalytic conversion process. G. H. Hanson. 2,618,667, Nov. 18.
Catalytic conversion with hydrofluoric acid. J. A. Ridgway, Jr. 2,592,740, Apr. 15.
Catalytic cracking of hydrocarbon oil. T. Say and J. F. McKinney, Jr. 2,598,309, May 27.
Catalytic cracking of hydrocarbons with a silica-alumina-zirconia composite. C. L. Thomas. 2,608,525, Aug. 26.
Catalytic cracking of nitrogen-containing oils. L. S. Galstaun. 2,605,214, July 29.
Catalytic dehydrogenation of alcohols to carbonyl compounds. H. O. Mottern. 2,586,694, Feb. 19.
Catalytic dehydrogenation of hydrocarbon oils. R. A. Bannerot. 2,604,438, July 22.
Catalytic desulfurization of hydrocarbon oils. W. F. Engel and P. van 't Spijker. 2,591,525, Apr. 1.
Catalytic desulfurization of hydrocarbons. J. W. Myers. 2,623,007, Dec. 23.
Catalytic desulfurization of petroleum hydrocarbons. S. W. Adey and F. W. B. Porter. 2,604,436, July 22.
Catalytic desulfurization of petroleum hydrocarbons. P. Meyer. 2,606,141, Aug. 5.
Catalytic gas generator. C. E. Peck and J. G. Hoop. 2,615,795, Oct. 28.
Catalytic hydrogel beads, Preparation and drying of. J. A. Pierce and C. N. Kimberlin, Jr. 2,584,286, Feb. 5.
Catalytic hydrogenation of aromatic hydrocarbons in a stainless steel reactor. V. N. Ipatieff and H. Pines. 2,586,535, Feb. 19.
Catalytic hydrogenation of carbon monoxide with iron catalysts. W. Rottig. 2,620,347, Dec. 2.
Catalytic hydrogenation of dinitro-aromatic compounds. R. G. Benner and A. C. Stevenson. 2,619,503, Nov. 25.
Catalytic hydrogenation of unsaturated compounds. V. Haensel. 2,622,111, Dec. 16.
Catalytic hydrogenolysis of cycloaliphatic alcohols, ketones, and aldehydes. J. E. Castle and B. W. Howk. 2,599,089, June 3.
Catalytic improvement of hydrocarbon synthesis product. A. Voorhies, Jr. 2,600,452, June 17.
Catalytic isomerization of hydrocarbons. J. W. Loy. 2,591,843, Apr. 8.
Catalytic isomerization of isoheptanes to triptane. J. D. Kemp and A. E. Strickland. 2,583,739, Jan. 29.
Catalytic isomerization of propylene oxide to propionaldehyde, catalyst therefor, and synthesis of catalyst. L. G. Lundsted. 2,601,538, June 24.
Catalytic metal-alkaline earth carbonate pellet and its production. B. B. Corson and G. A. Webb. 2,587,699, Mar. 4.
Catalytic oxidation of olefins in the presence of cuprous oxide. K. D. Detling and V. P. Guinn. 2,620,358, Dec. 2.
Catalytic polymerization of olefins. G. C. Bailey and J. A. Reid. 2,606,940, Aug. 12.
Catalytic polymerization with pinacolone peroxide. H. F. Park and H. A. Walter. 2,622,077, Dec. 16.
Catalytic process. P. W. Cornell. 2,617,709, Nov. 11.
Catalytic process for preparing amides. P. W. Garbo. 2,606,915, Aug. 12.
Catalytic process for preparing high molecular weight linear macromolecular amino acid-polycondensates from lactams. T. Koch. 2,622,076, Dec. 16.
Catalytic production of chlorine. A. Belchetz. 2,602,021, July 1.
Catalytic reaction of isobutane and propylene to produce lubricating oil. R. J. Fritz. 2,603,666, July 15.
Catalytic reactor. P. W. Cornell and E. Cotton. 2,585,441, Feb. 12.
Catalytic reactor. E. B. Miller. 2,617,718, Nov. 11.
Catalytic reactor. E. H. Reichl. 2,585,274, Feb. 12.
Catalytic reduction of carbon monoxide with hydrogen. D. B. Eastman and L. P. Gaucher. 2,594,301, Apr. 29.
Catalytic reduction of carbon monoxide with hydrogen. W. G. Frankenburg and E. T. Layng. 2,600,399, June 17.
Catalytic reduction of dicarbocyclic diamines. A. E. Barkdoll and G. M. Whitman. 2,606,927, Aug. 12.
Catalytic reforming process. C. L. Carpenter. 2,585,737, Feb. 12.
Catalytic structure of silica on alumina-coated porcelain. E. J. Houdry and J. W. Harrison. 2,580,429, Jan. 1.

Catalytic synthesis of hydrocarbons. H. V. Atwell. 2,583,134, Jan. 22.
Catalytic treatment of industrial gases. F. W. Haywood and D. S. Laidler. 2,591,543, Apr. 1.
Catalytically reforming hydrocarbons. H. W. Grote. 2,596,145, May 13.
Catalytically removing sulfur. A. B. Stiles. 2,620,362, Dec. 2.
Catalyzed sulfide-hydrocarbon reaction products and making same. E. C. Hughes and J. D. Bartleson. 2,580,430, Jan. 1.
Catamenial appliance and garment, Combined. E. C. Brown. 2,615,449, Oct. 28.
Catamenial bandage and absorption control element therefor. W. R. Kellett and L. G. Veler. 2,600,882, June 17.
Catamenial pad. J. E. Milton. 2,582,344, Jan. 15.
Catamenial trap. A. Gordon. 2,616,426, Nov. 4.
Catapult for launching model airplanes. N. D. Ashwood. 2,611,355, Sept. 23.
Catch net for children's play pens. N. C. Le Roy. 2,607,052, Aug. 19.
Catchup dispenser. J. G. Bain. 2,612,297, Sept. 30.
Caterpillar attachment for trucks. C. A. Strait. 2,584,512, Feb. 5.
Caterpillar drive chain. J. E. McBride and W. G. Boehm. 2,609,086, Sept. 2.
Cathode. J. M. Martinez. 2,594,047, Apr. 22.
Cathode follower photoelectric amplifier circuit. R. W. Bordewieck, J. O. Roebuck, and N. M. Sleeper. 2,582,676, Jan. 15.
Cathode follower photoelectric direct current amplifier circuit. R. W. Bordewieck, J. O. Roebuck and N. M. Sleeper. 2,614,227, Oct. 14.
Cathode for ionization detection devices. E. B. Fehr and W. T. Posey. 2,612,615, Sept. 30.
Cathode for magnetrons. C. L. Cuccia. 2,584,791, Feb. 5.
Cathode for use in electron discharge tubes. M. J. Jansen and H. J. Lemmens. 2,624,024, Dec. 30.
Cathode grid assembly. E. Pohle. 2,582,454, Jan. 15.
Cathode grid assembly. E. Pohle. 2,611,676, Sept. 23.
Cathode heater structure. W. Wheeler. 2,589,522, Mar. 18.
Cathode of electron beam devices. W. J. Dodds. 2,581,243, Jan. 1.
Cathode-ray coding tube. W. M. Goodall. 2,616,060, Oct. 28.
Cathode-ray device. F. Gray and R. W. Sears. 2,583,562, Jan. 29.
Cathode-ray dynamic focusing circuit. N. R. Best. 2,623,195, Dec. 23.
Cathode-ray image converter tube. H. Bruining and P. Schagen. 2,613,330, Oct. 7.
Cathode-ray indicator. M. S. McVay. 2,590,114, Mar. 25.
Cathode-ray oscillograph circuit. W. G. Fockler. 2,620,455, Dec. 2.
Cathode-ray storage tube. W. E. Mutter. 2,597,363, May 20.
Cathode-ray storage tube. L. Pensak. 2,601,452, June 24.
Cathode-ray tube. W. E. Angell. 2,603,761, July 15.
Cathode-ray tube. R. B. Barnes. 2,599,739, June 10.
Cathode-ray tube. F. C. Breeden. 2,604,599, July 22.
Cathode-ray tube. W. H. Buchanan. 2,593,261, Apr. 15.
Cathode-ray tube. J. de Gier. 2,617,060, Nov. 4.
Cathode-ray tube. E. K. Karlsson. 2,602,903, July 8.
Cathode-ray tube. P. A. Neeteson. 2,617,059, Nov. 4.
Cathode-ray tube. J. R. Pierce. 2,609,520, Sept. 2.
Cathode-ray tube. M. R. Schulte. 2,607,900, Aug. 19.
Cathode-ray tube. C. S. Szegho and M. E. Amdursky. 2,612,611, Sept. 30.
Cathode-ray tube. C. S. Szegho, M. E. Amdursky and W. O. Reed. 2,612,612, Sept. 30.
Cathode-ray tube. F. H. Townsend. 2,583,500, Jan. 22.
Cathode-ray tube amplitude indicating apparatus. D. H. Castle. 2,590,230, Mar. 25.
Cathode-ray tube analyzing and recording apparatus. K. A. Knutsen. 2,586,963, Feb. 26.
Cathode-ray tube circuit. L. J. Haworth. 2,588,114, Mar. 4.
Cathode-ray tube circuit. C. J. Miller. 2,608,672, Aug. 26.
Cathode-ray tube focusing device. W. Schiel and N. E. Zacher. 2,580,606, Jan. 1.
Cathode-ray tube for color television systems. M. E. Amdursky and T. S. Noskowicz. 2,612,614, Sept. 30.
Cathode-ray tube for polychrome television apparatus. E. O. Lawrence. 2,614,231, Oct. 14.
Cathode-ray tube power supply. R. V. Little, Jr., and L. L. Evans. 2,621,305, Dec. 9.
Cathode-ray tube screen filter. P. R. Adams. 2,590,080, Mar. 25.
Cathode-ray tube screen treatment. A. L. Samuel. 2,597,383, May 20.
Cathode-ray tube sealing apparatus. A. J. Harder, Jr. 2,601,518, June 24.
Cathode-ray tube supporting structure. C. J. Steinke. 2,606,241, Aug. 5.
Cathode-ray tube sweep circuit. V. C. Wilson. 2,604,590, July 22.
Cathode-ray tube sweep circuit. V. C. Wilson. 2,604,609, July 22.
Cathode-ray tube sweep system. A. Frum. 2,585,002, Feb. 12.
Cathode-ray tube voltage measuring device. B. F. Spencer. 2,591,738, Apr. 8.
Cathode-ray tube wavemeter. H. Hurvitz. 2,608,669, Aug. 26.
Cathode-ray type selector switch circuit. J. L. H. Jonker and W. Six. 2,616,978, Nov. 4.
Cathode-ray wave generator. C. L. Cuccia. 2,597,571, May 20.
Cathode structure. H. B. Williams. 2,621,155, Dec. 9.
Cathode structure for electron discharge tubes. L. M. Field. 2,594,897, Apr. 29.
Cathodic protection of underground metals. H. A. Robinson. 2,601,214, June 17.
Cation-active compounds derived from alkaryl sulfonyl chlorides or alkali sulfonates. V. Blinoff. 2,605,281, July 29.
Cation-exchange polymers of the carboxylic type. G. W. Bodamer. 2,597,437, May 20.
Cation-exchange polymers of the sulfonic type. G. W. Bodamer. 2,597,438, May 20.
Cation-exchange polymers of vinylanisole. J. C. H. Hwa. 2,597,492, May 20.
Cation exchange resins. J. A. Otto. 2,590,449, Mar. 25.
Cattle feed conveying and dispensing apparatus. J. G. Spickler. 2,615,424, Oct. 28.
Cattle guard. L. Mayer. 2,618,469, Nov. 18.
Cattle guard. G. C. Welter. 2,591,220, Apr. 1.
Cattle guard, Portable. O. R. Winkler. 2,592,225, Apr. 8.
Cattle shock imparting device. B. A. Gustavsson. 2,623,498, Dec. 30.
Caulking composition. H. C. Taylor. 2,610,923, Sept. 16.
Caulking gun, Disposable. R. E. Barry. 2,587,683, Mar. 4.
Cavity resonator. A. Banos, Jr. 2,600,186, June 10.
Cavity resonator. J. P. Kinzer. 2,593,155, Apr. 15.
Cavity resonator. E. G. Otis and W. W. Salisbury. 2,609,449, Sept. 2.
Cavity resonator. I. G. Wilson. 2,593,234, Apr. 15.
Cavity resonator construction. R. L. Wathen. 2,608,618, Aug. 26.
Cavity resonator electron discharge device. W. C. Brown. Re. 23,480, Apr. 29.
Cavity resonator electronic oscillation generator. J. H. Fremlin and R. N. Hall. 2,613,335, Oct. 7.
Cavity resonator magnetron. W. E. Willshaw. 2,582,185, Jan. 8.
Cavity resonator mode suppression means. H. B. Brehm. 2,593,095, Apr. 15.
Cavity resonator, Multiple. L. Brück. 2,607,017, Aug. 12.
Ceiling construction. F. J. Manley. 2,610,365, Sept. 16.
Ceiling fixture for fluorescent lamps. E. F. Guth. 2,615,123, Oct. 21.
Ceiling fixture having magnetically attachable and adjustable light source, Recessed. A. F. Ordas. 2,597,595, May 20.
Ceiling-suspended elevatable table. H. C. Vrooman. 2,580,980, Jan. 1.
Ceiling-suspended stair. B. J. Triller. 2,580,978, Jan. 1.
Ceiling suspension clasp hook. W. J. Haertel. 2,586,327, Feb. 19.
Ceiling washer. S. P. Lagant. 2,612,648, Oct. 7.
Ceiling with recessed lighting fixture, Suspended. C. R. Graves. 2,580,540, Jan. 1.
Cell and battery, Primary. S. Reuben. 2,606,941, Aug. 12.
Cell and support. C. A. Dyer. 2,612,539, Sept. 30.
Cell case machine. D. R. Vail and R. A. De Luca. 2,594,252, Apr. 22.
Cell for measuring relative permeability. W. J. Leas. 2,618,151, Nov. 18.
Cellular carton erecting machine. H. R. Houtman. 2,612,086, Sept. 30.
Cellular core for heat exchange units. A. G. Getz. 2,594,008, Apr. 22.
Cellular cushioned container. W. H. Inman. 2,591,548, Apr. 1.
Cellular foamed alkyd-diisocyanate resins. E. Simon and F. W. Thomas. 2,602,783, July 8.
Cellular glass having intercommunicating cells, Making. D. D'Eustachio. 2,596,659, May 13.
Cellular glass of increased durability. W. D. Ford. 2,600,525, June 17.
Cellular glass of light color, Making. M. J. Shoemaker. 2,582,852, Jan. 15.
Cellular glass, Preparing. W. D. Ford. 2,620,597, Dec. 9.
Cellular material and blowing agent therefor. D. V. Sarbach. 2,613,189, Oct. 7.
Cellular resinous compositions, Producing. R. J. Brinkema. 2,582,228, Jan. 15.
Cellular resinous materials and making the same. T. R. Korkatti. 2,602,193, July 8.
Cellular resins. R. F. Sterling. 2,608,536, Aug. 26.
Cellular rubber article, Making a. J. A. Talalay. 2,604,663, July 29.
Cellular rubber, Manufacture of. G. P. Bosomworth. 2,604,666, July 29.
Cellular rubber using amines, Making. J. H. Kelly, Jr. 2,592,708, Apr. 15.
Cellular structures, Making. R. H. Robinson. 2,593,714, Apr. 22.
Cellular thermoplastic materials, Making. P. J. Carpentier. 2,590,156, Mar. 25.
Cellar drain valve. O. E. Banker. 2,596,805, May 13.
Cellarette. J. C. Siegel. 2,589,441, Mar. 18.

Cellophane laminated with styrene-isobutylene copolymer. O. C. Slotterbeck, W. H. Smyers, and D. W. Young. 2,604,423, July 22.
Cellophane package sealing apparatus. C. A. Peterson. 2,583,705, Jan. 29.
Cellulose acetate solution and a film formed therefrom. C. R. Fordyce and B. E. Gramkee. 2,607,704, Aug. 19.
Cellulose acetate sulfate in fibrous form, Manufacture of. C. L. Crane. 2,622,079, Dec. 16.
Cellulose acetate sulfates, Preparation of. C. L. Crane. 2,582,009, Jan. 8.
Cellulose boards, Making. M. W. Baker, F. F. Beil, C. F. Curtis, II, and E. A. Patton. 2,619,681, Dec. 2.
Cellulose derivative, Preparation of. C. L. P. Vaughan. 2,618,634, Nov. 18.
Cellulose ester and N-alkoxymethyl polyurethane reacted polymers. C. R. Dolmetsch and S. B. McFarlane. 2,598,767, June 3.
Cellulose ester manufacture. J. C. Thomas. 2,600,031, June 10.
Cellulose ester-silver-halide photographic emulsions, Preparing. W. G. Lowe and G. F. Frame. 2,614,931, Oct. 21.
Cellulose esters. B. B. White and E. Barabash. 2,581,565, Jan. 8.
Cellulose esters, Modified. G. A. Richter, Jr. 2,595,410, May 6.
Cellulose esters, Preparation of. G. W. Seymour, B. B. White, and M. Plunguian. 2,603,634, July 15.
Cellulose esters, Preparation of. B. B. White, L. J. Rosen, and P. Blackman. 2,600,716, June 17.
Cellulose esters, Production of. J. J. Allen and J. A. Hawkes. 2,588,457, Mar. 11.
Cellulose esters, Production of. J. J. Allen and J. A. Hawkes. 2,611,767, Sept. 23.
Cellulose esters, Production of. W. H. Groombridge, H. Bates, and J. W. Fisher. 2,607,771, Aug. 19.
Cellulose esters, Production of. E. P. Sharman and D. L. Wilson. 2,588,051, Mar. 4.
Cellulose ether molding powder, Production of a. H. Dreyfus, J. H. Rooney, and B. Shaw. 2,604,412, July 22.
Cellulose lower alkanoate plastic composition. E. J. Wickson and W. D. Paist. 2,592,776, Apr. 15.
Cellulose-morpholinium derivative composition and process. K. R. Brown. 2,623,874, Dec. 30.
Cellulose pad machine. C. G. Joa. 2,591,359, Apr. 1.
Cellulose sponge yarn. S. P. Vaughn. 2,600,143, June 10.
Cellulose textiles with glucose-ureide formaldehyde condensation product, Creaseproofing. H. W. Meijer. 2,596,268, May 13.
Cellulose triacetate, Manufacture of. C. J. Malm and C. L. Crane. 2,582,049, Jan. 8.
Cellulosic board, Making. E. A. Patton and F. F. Beil. 2,618,813, Nov. 25.
Cellulosic fibrous calcium silicate pigment, making it and a sheet of paper containing it. W. L. Craig. 2,599,094, June 3.
Cellulosic textile fabric. A. Johnson and J. B. Speakman. 2,592,154, Apr. 8.
Cellulosic textiles reacted with urea-vinyl sulfone addition products. J. W. Schappel. 2,623,807, Dec. 30.
Cement and making, Low water-loss. P. J. Lea and H. B. Fisher. 2,583,657, Jan. 29.
Cement bonded natural cellulose aggregate impregnated with cured synthetic resin and making the same. J. F. Beaudet. 2,594,280, Apr. 29.
Cement composition. R. N. J. Saal. 2,621,132, Dec. 9.
Cement concrete portable tank structure. H. L. Carlson. 2,595,923, May 6.
Cement gun. A. F. Lukes. 2,592,815, Apr. 15.
Cement lining for metal pipe. A. L. Peckman. 2,597,370, May 20.
Cement, Manufacture of. W. A. Rex and C. L. Read. 2,592,468, Apr. 8.
Cement paint composition. R. L. Waide. 2,588,438, Mar. 11.
Cement sole attaching machine using high-frequency. G. T. Hart. 2,619,661, Dec. 2.
Cementing apparatus, Ported. R. C. Baker. 2,602,510, July 8.
Cementing carbon block to porcelain blocks. A. L. Bennett and G. A. Mitchell. 2,602,963, July 15.
Cementing ceramic transducers. E. J. Brajer. 2,618,579, Nov. 18.
Cementing head. W. R. McClendon. 2,620,037, Dec. 2.
Cementing of wells. R. F. Farris. 2,585,378, Feb. 12.
Cementing shoe for well casing. J. E. Hall. 2,606,617, Aug. 12.
Cementing wells. W. M. Warren. 2,609,881, Sept. 9.
Cementitious coatings or paints and making. S. B. Avery. 2,583,985, Jan. 29.
Cementitious composition. W. C. Riddell and G. B. Kirk. 2,604,411, July 22.
Cementitious material and making. L. P. Dove. 2,623,828, Dec. 30.
Cementitious structural composition. A. Keyishian. 2,622,989, Dec. 23.
Cements for attaching shoe soles. J. L. Perkins and E. E. Sylvester. 2,599,581, June 10.
Censer. J. R. Betz. 2,621,379, Dec. 16.
Center control arm slack take-up. A. V. Coleman. 2,620,202, Dec. 2.
Center door bulkhead bracing. E. M. Peterson. 2,612,122, Sept. 30.
Center feeler stop motion. J. J. Stanley. 2,617,450, Nov. 11.
Center finder and indicator. C. A. Breisford. 2,621,420, Dec. 16.
Center gauge. S. Fisher. 2,599,819, June 10.
Center punch. P. S. H. Flemming. 2,595,347, May 6.
Center screw filter. C. J. Fusco. 2,580,021, Feb. 19.
Center stripe spray bar. H. S. Wallace. 2,616,760, Nov. 4.
Centering and amplitude control apparatus for cathode-ray beams. G. C. Sziklai. 2,594,517, Apr. 29.
Centering and caging mechanism for gyroscopes. W. C. Fillebrown. 2,580,748, Jan. 1.
Centering and sealing device for floating tank roofs. A. H. Graham. 2,600,237, June 10.
Centering and take-up means for belt conveyers. D. F. Przybylski. 2,619,222, Nov. 25.
Centering device for engine trucks. T. H. Ainsworth. 2,592,637, Apr. 15.
Centering device for pipe-threading machines. C. A. Reimschissel and H. E. Davies. 2,582,279, Jan. 15.
Centering device for use in denture manufacture. H. Singer, M. Margaretten, and L. Hansen. 2,618,853, Nov. 25.
Centering gauge. W. and G. F. Bagge. 2,623,296, Dec. 30.
Centering gauge. L. Freimark. 2,586,639, Feb. 19.
Centering mechanism for aircraft controls. L. E. May. 2,611,561, Sept. 23.
Centering perforator punch with interchangeable punches. G. J. and E. C. Sterba. 2,612,222, Sept. 30.
Centralized oiling system. E. W. Davis. 2,620,896, Dec. 9.
Centralized traffic control system for the code control of interlocked switches and signals. F. T. Pascoe and A. L. Jerome. 2,611,074, Sept. 16.
Centralized traffic control system of the code type for the control of interlocked track switches and railway signals. A. L. Jerome, L. V. Lewis, and F. T. Pascoe. 2,592,704, Apr. 15.
Centralized traffic controlling system. F. X. Rees and R. H. Bechtold. 2,584,739, Feb. 5.
Centralizer and attaching. F. M. Gist. 2,594,551, Apr. 29.
Centric-articulator. D. and S. Perkell. 2,617,195, Nov. 11.
Centric switch means. D. C. Shapiro. 2,604,559, July 22.
Centrifugal actuator. C. H. Dederick. 2,595,930, May 6.
Centrifugal actuator. C. S. Phillips. 2,588,159, Mar. 4.
Centrifugal apparatus for countercurrent gas absorption. K. H. Hachmuth. 2,603,305, July 15.
Centrifugal apparatus for segregating constituents of different specific gravities. M. Galmiche. 2,598,118, May 27.
Centrifugal blower. C. Klein, R. C. Skarin, and W. G. Tinker. 2,601,030, June 17.
Centrifugal bowl for separating sludge from liquids. N. E. Svensjö. 2,590,735, Mar. 25.
Centrifugal casting coating composition for centrifugal molds and coating molds. R. C. Myers. 2,623,809, Dec. 30.
Centrifugal casting machine. J. D. Guelph. 2,601,389, June 24.
Centrifugal casting machine. R. W. Kurtz. 2,586,349, Feb. 19.
Centrifugal casting machine. S. Mazer. 2,618,031, Nov. 18.
Centrifugal clarifier. C. C. S. Le Clair. 2,605,046, July 29.
Centrifugal classifier for segregating finely divided particles on the basis of size and density. M. H. Hebb. 2,616,563, Nov. 4.
Centrifugal clutch. R. Chilton. 2,613,784, Oct. 14.
Centrifugal clutch. C. V. Zieg, Jr. 2,596,193, May 13.
Centrifugal contactor and method of contacting. O. Redlich. 2,619,280, Nov. 25.
Centrifugal countercurrent extraction. H. Hemfort. 2,622,797, Dec. 23.
Centrifugal diffuser. C. B. Smith. 2,615,301, Oct. 28.
Centrifugal dyeing. R. A. Russell. 2,588,415, Mar. 11.
Centrifugal-electric clutch. M. P. Winther. 2,591,989, Apr. 8.
Centrifugal elutriation, Method and apparatus for. N. A. MacLeod. 2,616,619, Nov. 4.
Centrifugal evaporator. J. C. Arnaud. 2,623,580, Dec. 30.
Centrifugal flow self-lubricating journal box and bearing. J. H. Helms. 2,606,796, Aug. 12.
Centrifugal governor. E. M. Kuemmerlein. 2,580,556, Jan. 1.
Centrifugal governor having a series of radially shiftable, motion transmitting bell crank levers. J. T. Crowder. 2,615,462, Oct. 28.
Centrifugal guided speed responsive device with spring support. W. H. Harstick. 2,603,473, July 15.
Centrifugal impact miller for cereals. F. S. Smith. 2,582,509, Jan. 15.
Centrifugal machine and process. F. W. Keith, Jr. 2,594,445, Apr. 29.
Centrifugal machine control organization. J. Hertrich. 2,596,927, May 13.
Centrifugal mill. J. Klagsbrunn. 2,609,995, Sept. 9.

Centrifugal molding machine. F. S. Medina and L. M. and A. M. Tey. 2,589,950, Mar. 18.
Centrifugal operating device. W. A. Rosebraugh. 2,611,602, Sept. 23.
Centrifugal particle separator. K. O. L. Silverstolpe. 2,604,261, July 22.
Centrifugal pump. R. H. Brown. 2,619,910, Dec. 2.
Centrifugal pump. H. E. La Bour. 2,621,600, Dec. 16.
Centrifugal pump. V. S. Lobanoff. 2,601,828, July 1.
Centrifugal pump. A. Wahle. 2,581,055, Jan. 1.
Centrifugal pump. E. R. Wilfley and J. L. Aldred, Jr. 2,581,504, Jan. 8.
Centrifugal pump. E. R. Wilfley and J. L. Aldred, Jr. 2,614,502, Oct. 21.
Centrifugal pump assembly. M. W. Stout. 2,621,601, Dec. 16.
Centrifugal pump housing. N. Ransohoff. 2,618,223, Nov. 18.
Centrifugal pump impeller seal ring. R. A. Wilson. 2,604,050, July 22.
Centrifugal pump with fabricated volutes, In-line. F. A. Gruetjen. 2,612,843, Oct. 7.
Centrifugal pumping means. H. E. Warren. 2,605,713, Aug. 5.
Centrifugal regulator for automatically controlling the action moment of apparatus of variable rotating speed. J. Hövel. 2,589,496, Mar. 18.
Centrifugal separating apparatus. R. J. Goldberg. 2,593,294, Apr. 15.
Centrifugal separation, Method and apparatus for. C. G. Eckers. 2,599,619, June 10.
Centrifugal separator. J. Baxter, Jr. 2,622,795, Dec. 23.
Centrifugal separator. N. E. Bergner. 2,591,396, Apr. 1.
Centrifugal separator. H. R. Drury. 2,585,753, Feb. 12.
Centrifugal separator. G. A. Milliken. 2,600,372, June 10.
Centrifugal separator. J. R. Pattinson. 2,587,206, Feb. 26.
Centrifugal separator. F. H. Smith. 2,622,794, Dec. 23.
Centrifugal speed control for vacuum cleaners. L. H. Snyder. 2,588,301, Mar. 4.
Centrifugal speed responsive device. H. L. Bone. 2,606,753, Aug. 12.
Centrifugal speed responsive device with spring support. J. Greenhut. 2,616,682, Nov. 4.
Centrifugal speed responsive mechanism. L. R. V. Braddick. 2,599,157, June 3.
Centrifugal spray processing apparatus for sensitized materials. B. E. Luboshez. 2,614,472, Oct. 21.
Centrifugal spring support type speed responsive device. F. P. Vacha. 2,615,704, Oct. 28.
Centrifugal switch. D. L. Miller. 2,583,273, Jan. 22.
Centrifugal switch. W. Z. West, Jr., and M. F. Gamble. 2,595,621, May 6.
Centrifugally actuated fluid control valve. H. F. Hobbs. 2,620,814, Dec. 9.
Centrifugally operated switch. G. J. Butterworth. 2,584,983, Feb. 12.
Centrifugally responsive governor. L. De Marco. 2,588,911, Mar. 11.
Centrifuge construction. A. E. Zimmerman. 2,616,620, Nov. 4.
Centrifuge. R. A. Hall. 2,609,617, Sept. 9.
Centrifuge. L. L. Huelsdonk. 2,612,314, Sept. 30.
Centrifuge construction with semi-automatic controls for a movable vacuum chamber. E. G. Pickels. 2,608,344, Aug. 26.
Centrifuge for separating a liquid from solid material. G. W. Edwards. 2,593,278, Apr. 15.
Centrifuge for separating cream from cold milk products. G. J. Strezynski. 2,593,934, Apr. 22.
Centrifuge for separating solids. H. P. Ritsch. 2,614,748, Oct. 21.
Ceramic dielectrics comprising essentially titania. J. Woodcock and J. K. Partidge. 2,602,753, July 8.
Ceramic dielectric materials and making. S. Bousky. 2,584,324, Feb. 5.
Ceramic dipping forms or the like, Making. R. V. Ganz. 2,581,249, Jan. 1.
Ceramic electromechanical transducer. T. E. Lynch. 2,596,494, May 13.
Ceramic pigment. B. W. King, Jr., and A. O. Tesar. 2,623,833, Dec. 30.
Ceramic process. G. A. Bole. 2,603,570, July 15.
Ceramic product and making same. R. P. Dunmire. 2,601,105, June 17.
Ceramic spark arrester. J. P. Richtarsic. 2,598,603, May 27.
Ceramic tile support. F. E. Owen. 2,602,984, July 15.
Ceramic-to-metal bonding. D. W. Hosmer. 2,619,432, Nov. 25.
Ceramic tool. J. E. Kemper. 2,597,336, May 20.
Cereal food products, Manufacture of. D. Hale and E. J. Carpenter. 2,600,532, June 17.
Cerium activated aluminate phosphors active in the erythemal range. S. Isenberg. 2,590,411, Mar. 25.
Certain acylamino-acrylates and crotonates as insecticides. J. B. Dickey and H. W. Coover, Jr. 2,588,969, Mar. 11.
Certain alkyl ar (isothiocyanomethyl) benzoates and their use as insecticides. W. S. Emerson and R. A. Heimsch. 2,620,292, Dec. 2.
Certain amino hydrocarbon sulfones and process of preparation. S. Archer, C. M. Suter, and B. F. Tullar. 2,618,640, Nov. 18.
Certain aryl acetic acids, Manufacture of. R. L. Lehmann and J. Lintner. 2,617,822, Nov. 11.
Certain esters of carboxy acids with oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,377, Jan. 8.
Certain mixtures of certain oxyalkylated resins in combination with certain partial acidic esters. M. De Groote and A. F. Wirtel. 2,606,882, Aug. 12.
Certain oxyalkylated derivatives of trinuclear aromatic compounds and making same. M. de Groote and B. Keiser. 2,598,234, May 27.
Certain polyol ethers. M. De Groote and B. Keiser. 2,602,077, July 1.
Certifying device for cash registers. B. Beria. 2,586,201, Feb. 19.
Cervical speculum. J. Kogan. 2,587,486, Feb. 26.
Cess tank for vehicle toilets. E. K. Goins and N. T. Marcotte. 2,604,635, July 29.
Chain: *See*—
Antikink chain. Antiskid chain. Antiskid tire chain. Bracelet chain. Caterpillar driven chain. Conveyer chain. Cribber chain. Cutter chain. Cutting chain. Emergency tire chain. Key chain. Lock link chain. Pivoted link chain. Reversible mining chain. Roller chain. Saw chain. Skid chain. Tire chain. Trigger circuit chain. Vehicle driving chain.
Chain. A. W. Smith. 2,586,268, Feb. 19.
Chain and sprocket transmission. J. E. Raddings. 2,620,676, Dec. 9.
Chain assembly. F. W. Pfleger and G. E. Canham. 2,580,589, Jan. 1.
Chain binder. W. Call. 2,621,020, Dec. 9.
Chain coupling. C. M. Faber. 2,589,355, Mar. 18.
Chain distributor type poultry feeding device. G. L. and C. H. Kitson. 2,589,706, Mar. 18.
Chain drive. A. L. Barrett and L. G. Rollins. 2,602,343, July 8.
Chain drive with lubricating means. F. W. Simpkin. 2,620,897, Dec. 9.
Chain fastener. F. G. Gise. 2,604,679, July 29.
Chain for automobiles, Antiskid. D. Bartoletti. 2,583,624, Jan. 29.
Chain guard. A. J. Cich. 2,584,788, Feb. 5.
Chain hoist. I. Kamiukin. 2,623,731, Dec. 30.
Chain link and chain device formed therewith. R. S. Braumiller. 2,602,345, July 8.
Chain link, Detachable. R. D. Johnson. 2,618,922, Nov. 25.
Chain link, Yieldable. G. E. Sprague. 2,589,887, Mar. 18.
Chain machine, Double-link. S. C. Kunzmann and A. J. England. 2,617,250, Nov. 11.
Chain release for load binders. L. C. Mayes. 2,604,678, July 29.
Chain repair link. M. R. Dock. 2,621,471, Dec. 16.
Chain saw. M. Mers. 2,589,015, Mar. 11.
Chain saw. C. J. Tweedle. 2,583,243, Jan. 22.
Chain saw depth gauge. J. M. Hanson, Sr. 2,592,278, Apr. 8.
Chain saw gauge. A. W. Pearce. 2,612,702, Oct. 7.
Chain stopper, Releasable. N. P. Thomsen. 2,623,255, Dec. 30.
Chain tightener. E. A. Stuller. 2,615,217, Oct. 28.
Chain-tightening means with ratchet lock. N. F. Andrews. 2,612,988, Oct. 7.
Chair: *See*—
Adjustable chair. Adjustable invalid's chair. Adjustable theater chair. Baby chair. Built-in deck chair. Child's automobile chair. Collapsible chair. Collapsible commode chair. Collapsible steel chair. Combination child's and adult's chair. Convertible high and low chair. Easy chair. Electrically coin-operated chair. Electrically driven hospital chair. Electrically heated chair. Foldable chair. Folding and stacking chair. Folding chair. Folding lawn chair. Folding metal deck chair. Folding push chair. Foldable reclining chair. Heated chair. Hospital chair. Invalid chair. Knockdown chair. Laternally folding chair. Lounging chair. Mechanical chair. Metal folding chair. Motor-driven invalid's chair. Neurosurgical operating chair. Platform rocking chair. Portable foldable chair. Posture chair. Rail chair. Reclining chair. Reclining self-adjusting chair. Resiliently supported tilting chair. Retracting type theater chair. Reversible chair. Reversible wheel chair. Rocking chair. Spring supported chair. Tilting chair. Toilet chair. Uplift type theater chair. Weatherproof folding chair.
Chair. C. J. Barecki. 2,609,034, Sept. 2.
Chair. F. Gorden. 2,608,239, Aug. 26.

Chair. A. Lorenz and L. M. Van der Rohe. 2,603,276, July 15.
Chair and cot, Convertible reclining. L. Antelman. 2,611,418, Sept. 23.
Chair and detachable tray, Combined. Herman and Harry Krimstock. 2,617,473, Nov. 11.
Chair and drop-leaf table, Combination. M. Nelson. 2,604,142, July 22.
Chair and idler roll stand assembly for conveyers. A. L. Lee. 2,592,915, Apr. 15.
Chair and pail, Combined hospital. G. W. Harris. 2,585,771, Feb. 12.
Chair and seat, Adjustable. J. W. Greenless. 2,595,354, May 6.
Chair and sofa, Knockdown. R. B. Rietman. 2,620,024, Dec. 2.
Chair and table, Combination. S. F. Gardner. 2,620,856, Dec. 9.
Chair and tray, Folding baby. C. Lovelace. 2,580,935. Jan. 1.
Chair back. J. H. Blum. 2,611,423, Sept. 23.
Chair back, Adjustable. C. E. E. Lundquist. 2,590,718, Mar. 25.
Chair back, Resiliently mounted. W. D. Corning. 2,587,822, Mar. 4.
Chair back, Tilting. J. S. Burdick. 2,612,939, Oct. 7.
Chair construction. G. C. Burd. 2,622,663, Dec. 23.
Chair construction. T. A. Friedlander. 2,615,505, Oct. 28.
Chair construction, Adjustable. R. H. Sperring. 2,595,901, May 6.
Chair construction having a spring support. C. Schneider. 2,607,397, Aug. 19.
Chair convertible into satchel, Baby. C. J. Hume. 2,598,385, May 27.
Chair convertible into a table and vice versa. R. S. Vellá. 2,595,179, Apr. 29.
Chair convertible to a table. D. R. Rizzolo. 2,588,574, Mar. 11.
Chair device, Tiltable. C. H. Willets. 2,604,928, July 29.
Chair for handicapped persons. J. J. Block. 2,591,911, Apr. 8.
Chair for theaters and the like, Receding. E. S. Diehl. 2,611,420, Sept. 23.
Chair for use in washing windows. E. F. B. De Meo. 2,604,931, July 29.
Chair for use in X-ray photographing of teeth. Y. V. Paatero. 2,613,726, Oct. 14.
Chair for vehicles, Safety. L. H. De Haven. 2,606,727, Aug. 12.
Chair having a back rest in the form of a shell-like body. E. Saarinen. 2,606,601, Aug. 12.
Chair having adjustable back rest, footrest, armrest, and tray. S. R. Ziv. 2,606,596, Aug. 12.
Chair having adjustable seat and leg rest. T. T. Lecroy. 2,608,237, Aug. 26.
Chair having a fixed base and track, Combination reclining and rocking. D. F. Caldemeyer. 2,606,594, Aug. 12.
Chair having a suspended seat and back resiliently supported at its lower end. B. A. Christie. 2,616,484, Nov. 4.
Chair having resiliently mounted seat and back. O. S. Caesar. 2,590,504, Mar. 25.
Chair having garment holding attachments. I. Scott-Dalgleish. 2,591,381, Apr. 1.
Chair having spring supported pivoted seat and back rest. A. C. Hoven, W. E. Nordmark, and D. S. Huhta. 2,595,582, May 6.
Chair of knockdown type. N. R. Underhill. 2,580,707, Jan. 1.
Chair or seat. R. J. Korner. 2,600,886, June 17.
Chair protector with bib feature, Child's. G. E. McKewen. 2,594,053, Apr. 22.
Chair seat. S. Victor. 2,600,944, June 17.
Chair-stick, Collapsible. A. F. Ciaramella. 2,615,494, Oct. 28.
Chair structure. A. C. Hoven and W. E. Nordmark. 2,601,891, July 1.
Chair structure. A. C. Hoven and W. E. Nordmark. 2,620,858, Dec. 9.
Chair with adjustable leg and footrest supports, Medical practice. N. E. Lauterbach. 2,612,940, Oct. 7.
Chair with automatically shiftable seat and adjustable back. R. A. Cramer. 2,609,032, Sept. 2.
Chair with flexible seat. R. D. Hill. 2,581,793, Jan. 8.
Chair with leg supporting platform, Adjustable. F. C. Maurer. 2,604,141, July 22.
Chair with musical device, Rocking. K. E. Haselton. 2,623,430, Dec. 30.
Chair with removable armrest. F. J. Havel. 2,604,147, July 22.
Chair with self-adjusting back. H. E. Smith and W. B. Reuhler. 2,604,145, July 22.
Chair with side guards, Baby. J. J. Sarnak. 2,620,857, Dec. 9.
Chaise-longue bed combination. E. E. Woller. 2,592,504, Apr. 8.
Chaise lounge, Convertible. D. G. Wogomon. 2,614,612, Oct. 21.
Chaise longue, Knockdown. C. P. Molla. 2,620,021, Dec. 2.
Chalk, Manufacture of. H. H. Heller and G. H. Saunders. 2,587,999, Mar. 4.
Chalk sharpener, Reciprocating. T. Dubek. 2,588,499, Mar. 11.
Chamber pot. R. Aitken. 2,602,166, July 8.
Chamfer attachment for hand planes. P. J. Mastripolito. 2,597,158, May 20.
Chance controlled football game board. A. C. Stringer. 2,587,242, Feb. 26.
Chance controlled game apparatus. J. M. Spiller. 2,610,855, Sept. 16.
Chance controlled target game device. C. A. Woodin. 2,619,348, Nov. 25.
Change container. T. Newman. 2,597,365, May 20.
Change maker. E. F. Leese. 2,615,454, Oct. 28.
Change maker and circuit therefor. C. B. Adams and F. E. Wallin. 2,585,718, Feb. 12.
Change-speed apparatus. W. P. Murphy, Jr. 2,596,819, May 13.
Change-speed friction drive for record changers. H. da Costa. 2,588,807, Mar. 11.
Change-speed gearing multiple drive transmission. I. Moore. 2,589,844, Mar. 18.
Change speed mechanism. O. H. Banker. 2,605,653, Aug. 5.
Change speed mechanism. R. R. Trexler. 2,619,849, Dec. 2.
Changeable display apparatus, Making. F. E. Tuttle. 2,607,682, Aug. 19.
Changeable display sign. E. Wagner. 2,607,143, Aug. 19.
Changeable rotating target. W. A. Peters. 2,617,652, Nov. 11.
Changing baffle pitch in a heat exchanger. W. N. McCurdy, Jr., and J. V. Whittlesey. 2,581,121, Jan. 1.
Changing device for internal-combustion engines. E. F. R. Townshend. 2,591,892, Apr. 8.
Changing the clamping force at which and during each time a weft thread end is temporarily held during weaving on looms. E. Pfarrwaller. 2,602,472, July 8.
Changing the direction of carriage movements in typewriters. E. Ascoli. 2,615,546, Oct. 28.
Changing the relative lengths of the intermediate and edge portions of metal strips, Method and apparatus for. G. Stanius. 2,600,442, June 17.
Charge and tax determining equipment for telephone systems. E. Vroom. 2,587,014, Feb. 26.
Charge forming device. I. E. Coffey. 2,613,658, Oct. 14.
Charge forming device. R. M. Hazen and C. J. McDowall. 2,580,384, Jan. 1.
Charge forming device. A. H. Winkler. 2,600,368, June 10.
Charge forming device. A. J. Volz and E. A. Haase. 2,621,910, Dec. 16.
Charge measuring device. H. S. Rhodes. 2,621,884, Dec. 16.
Charge setting device. D. H. Scott. 2,618,999, Nov. 25.
Charge storage television tube. C. E. Hallmark. 2,585,008, Feb. 12.
Charging arrangement of electric accumulators. B. R. Field. 2,622,233, Dec. 16.
Charging batteries, Method and apparatus for. J. B. Godshalk and L. A. Medlar. 2,585,005, Feb. 12.
Charging device for kilns. A. T. Grisenthwaite and G. H. J. Cruse. 2,600,053, June 10.
Charging tubular containers with materials. E. Webster. 2,599,959, June 10.
Charging valve in refrigeration apparatus. E. M. May. 2,614,400, Oct. 21.
Chart advancing mechanism. W. J. Dorsam, L. A. Paine, and R. A. Road. 2,593,858.
Chart, Artillery fire control. E. L. Sawyer. 2,595,303, May 6.
Chart, Computation. A. I. Sorrels. 2,615,631, Oct. 28.
Chart drive mechanism. J. A. Caldwell. 2,618,528, Nov. 18.
Chassis frame for road vehicles. D. E. Hobbs. 2,612,964, Oct. 7.
Chart holder. J. O. Bennett. 2,603,896, July 22.
Chart reading device. P. B. Keller. 2,586,430, Feb. 19.
Chart, Time. M. Grega. 2,587,615, Mar. 4.
Chart winding mechanism. W. J. Dorsam. 2,593,421, Apr. 22.
Chaser mounting. W. J. Hogg and D. R. Powell. 2,600,651, June 17.
Chassis supporting device. E. P. Feild. 2,619,311, Nov. 25.
Chassis supporting structure for vehicle lifts. E. Aron. 2,592,845, Apr. 15.
Chassis voltage neutralization. R. M. Crooker. 2,620,457, Dec. 2.
Chatterless countersink. G. C. Swenson. 2,613,558, Oct. 14.
Checkbook. S. M. Silver. 2,585,179, Feb. 12.
Checkbook binder. A. Kensey. 2,603,507, July 15.
Check and regulator valve apparatus. E. A. Rockwell. 2,617,443, Nov. 11.
Check dispensing business machine. F. Schmieder. 2,617,357, Nov. 11.
Check positioning means for checkwriters. F. J. Roderick. 2,622,527, Dec. 23.
Check protector. L. H. Fenstermaker. 2,604,040, July 22.
Check protector. R. H. Waller. 2,596,059, May 6.

Check stand for grocery stores and the like. W. L. George. 2,599,909, June 10.
Check valve. H. C. Eickmeyer. 2,602,631, July 8.
Check valve. L. F. Griffith and D. K. McIlvaine. 2,594,641, Apr. 29.
Check valve. G. Hansen. 2,598,122, May 27.
Check valve. K. M. Snider. 2,605,784, Aug. 5.
Check valve. K. Von Kokeritz, R. H. Blackford, and B. L. Schwaller. 2,609,175, Sept. 2.
Check valve. R. M. Wilson. 2,619,316, Nov. 25.
Check valve and strainer, Combined. T. C. O'Donnell. 2,598,131, May 27.
Check valve construction. J. D. Langdon. 2,598,002, May 27.
Check valve mechanism, Hydraulically operated. H. A. Halgren and V. N. Albertson. 2,588,520, Mar. 11.
Check wire tension measuring apparatus. H. H. Bomberger. 2,590,498, Mar. 25.
Checking and marking attachment for planters. E. T. Knippel. 2,618,229, Nov. 18.
Checking cabinet. E. W. Davis. 2,585,919, Feb. 19.
Checking cabinet door. F. D. Stackhouse, Jr. 2,584,059, Jan. 29.
Checking means for pulse counting circuit. A. E. Bachelet. 2,597,428, May 20.
Checking means for wayside train control inductors. C. C. Chu. 2,617,921, Nov. 11.
Checking mechanism for doors. E. W. Carlson. 2,611,919, Sept. 30.
Checking station for self-service stores. G. R. Hess. 2,596,686, May 13.
Cheese bandage. G. W. Willits. 2,614,936, Oct. 21.
Cheese dispenser. F. J. Upright. 2,580,864, Jan. 1.
Cheese, Making. C. Toone. Re. 23,489, Apr. 29.
Cheese, Manufacture of. L. L. Rusoff and A. J. Gelpi, Jr. 2,585,501, Feb. 12.
Cheese-milk food product and producing the same. H. F. Long and J. S. Erickson. 2,617,730, Nov. 11.
Cheese mold. J. F. Gherbaz. 2,619,029, Nov. 25.
Cheese package. F. H. Cherepow and G. W. Forcey. 2,606,120, Aug. 5.
Cheese press. R. Miollis. 2,604,036, July 22.
Chemical bomb. S. G. Ponder, H. C. Fischer, and L. Edelson. 2,589,129, Mar. 11.
Chemical brightening of aluminum. W. C. Cochran. 2,613,141, Oct. 7.
Chemical cap for radiators. G. T. Smith and L. H. Munding, Jr. 2,580,856, Jan. 1.
Chemical compounds and preparing the same. R. F. Hirschmann and N. L. Wendler. 2,615,902, Oct. 28.
Chemical container and package. S. Wallace. 2,585,289, Feb. 12.
Chemical feeder and feeding. J. K. Farrell. 2,614,574, Oct. 21.
Chemical feeder for black liquor recovery systems. F. W. Hochmuth. 2,583,145, Jan. 22.
Chemical feeding device. H. N. Armbrust. 2,621,795, Dec. 16.
Chemical furnace. L. S. Wilcoxson. 2,594,267, Apr. 22.
Chemical heating pad. A. Mendez. 2,612,155, Sept. 30.
Chemical indicator for alkyl-chloroarsines. K. E. Wilsbach. 2,611,748, Sept. 23.
Chemical manufacture. J. W. Nelson. 2,610,974, Sept. 16.
Chemical process for production of leaded ammonium chloride crystals. C. V. Herrmann. 2,581,067, Apr. 1.
Chemical recovery furnace with high-temperature superheater. A. L. Hamm. 2,606,103, Aug. 5.
Chemical sensitization of photographic emulsions. W. G. Lowe and J. E. Jones. 2,604,397, July 22.
Chemical solution feeder. A. W. Frazier. 2,614,074, Oct. 14.
Chemical spray attachment for watering hoses. W. A. Schaich. 2,620,234, Dec. 2.
Chemical treatment of finely divided solids. W. L. Weidman, H. A. Shabaker and E. B. Cornelius. 2,596,611, May 13.
Chemical treatment of sand for glassmaking. H. D. Segrove. 2,583,280, Jan. 22.
Chemical treatment of wells for the prevention of corrosion. L. C. Case. 2,605,223, July 29.
Chemically active graphitic carbon powder, Making. R. H. Savage. 2,601,953, July 1.
Chemotherapeutic compounds. E. Schwenk and B. Whitman. 2,623,063, Dec. 23.
Chest or container structure. M. Schoen. 2,591,726, Apr. 8.
Chewing gum and making the same. W. J. Lutz. 2,586,675, Feb. 19.
Chewing gum base, Permanently flavored. R. Heggie. 2,596,852, May 13.
Chewing gum dispenser. J. E. Nicholson. 2,591,855, Apr. 8.
Chewing gum manufacture. L. W. Mahle. 2,604,056, July 22.
Chick shipping container. P. F. Paul and R. Capps. 2,615,611, Oct. 28.
Chicken and hog feeder. S. G. Harry. 2,593,879, Apr. 22.
Chicken coop. V. M. Ipsen. 2,612,862, Oct. 7.
Chicken drinking fountain. J. D. Miller. 2,594,068, Apr. 29.
Chicken holder. E. P. Lound. 2,606,526, Aug. 12.
Child carrier. V. S. Mills. 2,599,474, June 3.
Children's domestic utensil set. E. Nudelman. 2,592,456, Apr. 8.
Child's automobile chair. A. J. Zoranovich. 2,605,811, Aug. 5.
Child's car seat. J. K. Arnold. 2,613,724, Oct. 14.
Child's coasting device. C. Beauregard. 2,581,572, Jan. 8.
Child's convertible vehicle. B. G. Gellenbeck. 2,595,839, May 6.
Child's foldable toilet seat. P. Wolcott, Jr. and V. F. 2,617,995, Nov. 18.
Child's shampoo board. M. D. Artman. 2,599,217, June 3.
Child's vehicle. V. A. East. 2,616,725, Nov. 4.
Child's vehicle. J. S. Zarat. 2,589,182, Mar. 11.
Child's walking and riding vehicle. L. V. I. Powell. 2,597,748, May 20.
Chill casting brass and other copper alloys containing zinc. N. D. G. Robertson and G. W. Browse. 2,592,337, Apr. 8.
Chilling foodstuffs. T. P. Landers and C. F. Smith. 2,622,415, Dec. 23.
Chilling of oils. E. J. Reeves. 2,584,966, Feb. 5.
Chilling roll. B. Offen. 2,599,846, June 3.
Chime system using harmonically tuned chimes. P. H. Rowe. 2,618,190, Nov. 18.
Chime whistle. B. A. Yates. 2,601,842, July 1.
Chimney and means for supporting same. R. F. Van Alstyne. 2,592,084, Apr. 8.
Chimney and the like. L. L. Dollinger. 2,588,496, Mar. 11.
Chimney assembly for miners' safety lamps. G. Wheat and A. G. Davis. 2,609,486, Sept. 2.
Chimney structure. J. Altmann. 2,591,906, Apr. 8.
Chin rest for bow instruments. H. V. Hogne. 2,594,435, Apr. 29.
Chip breaker relief grinding fixture. J. J. Sanders. 2,585,966, Feb. 19.
Chip conveying means. E. J. Lomazzo. 2,612,986, Oct. 7.
Chip dispersal device. H. E. Begle. 2,619,009, Nov. 25.
Chip ice from sea water, Production of. J. H. Lessard and G. M. Lees. 2,585,021, Feb. 12.
Chip releasing device for hand planes. V. J. Dillon. 2,603,259, July 15.
Chip remover for tag notching machines. A. R. Bone. 2,614,631, Oct. 21.
Chiropractic table. R. L. Nimmo. 2,622,950, Dec. 23.
Chisel for cutting V-shaped notches, Shoemaker's. A. Facciuto. 2,621,405, Dec. 16.
Chisel for slate-splitting machines. E. T. Lake. 2,616,411, Nov. 4.
Chloral, Producing. J. A. Pianfetti and D. J. Porter. 2,615,049, Oct. 21.
Chlordane, Production of. M. Kleiman. 2,598,561, May 27.
Chlorinated acetaldehydes utilising chlorinated acetaldehydes as diluents, Producing. J. A. Pianfetti and D. J. Porter. 2,615,048, Oct. 21.
Chlorinated aromatic compounds. P. Robinson and C. C. Reid. 2,623,910, Dec. 30.
Chlorinated camphene-oil insecticidal compositions and making. T. Parr and M. Zakheim. 2,595,217, May 6.
Chlorinated epoxy compounds. E. C. Ladd. 2,616,899, Nov. 4.
Chlorinated hydrocarbons, Manufacturing. L. Vanharen. 2,610,215, Sept. 9.
Chlorinated lime composition. J. G. Mark. 2,589,108, Mar. 11.
Chlorinated paraffins, Stabilized. J. M. Church and E. W. Johnson. 2,580,730, Jan. 1.
Chlorinated polychloroprene latex. G. W. Scott. 2,609,365, Sept. 2.
Chlorinated rubber, Preparation of. G. J. van Amerongen. 2,586,124, Feb. 19.
Chlorinated uncompacted polyethylene. R. S. Taylor. 2,592,763, Apr. 15.
Chlorinating phthalocyanine coloring matters. G. Barnhart and R. W. Grimble. 2,586,598, Feb. 19.
Chlorinating titaniferous material. L. Aagaard and S. S. Cole. 2,622,005, Dec. 16.
Chlorinating titaniferous material. L. Aagaard and L. W. Rowe. 2,622,006, Dec. 16.
Chlorination of butadiene. K. C. Eberly and R. J. Reid. 2,581,929, Jan. 8.
Chlorination of butadiene polymers and copolymers. R. C. Briant. 2,581,927, Jan. 8.
Chlorination of (perfluoroalkyl) benzenes. E. T. McBee and M. R. Frederick. 2,601,310, June 24.
Chlorination with liquid chlorine of aromatic compounds containing an alkyl side chain. F. E. Lawlor and M. B. Brodbeck. 2,608,592, Aug. 26.
Chlorine containing compounds. S. D. Ross. 2,591,611, Apr. 1.
Chlorine containing condensation products of phenols and sulfonated acetaldehydes. J. A. Otto and E. E. Gilbert. 2,597,171, May 20.
Chlorine counter. S. H. Liebson. 2,590,108, Mar. 25.
Chlorine dioxide gas, Preparing. J. W. Sevón and F. V. Sundman. 2,585,593, Feb. 12.
Chlorine dioxide, Making. S. U. Ekman. 2,620,260, Dec. 2.
Chlorine dioxide, Manufacture of. H. C. Marks and R. R. Joiner. 2,616,792, Nov. 4.
Chlorine dioxide, Preparation of. E. Wagner. 2,605,168, July 29.

Chlorine dioxide, Producing. M. Wayman and W. H. Rapson. 2,598,087, May 27.
Chlorite-sulfite redox-initiated aqueous polymerization of vinyl chloride. J. E. Underwood and A. Hill. 2,604,468, July 22.
Chloronuorocarbon and making the same. E. L. Kropa and J. J. Padbury. 2,590,019, Mar. 18.
Chlorohydrin derivatives of dihydroanthraquinone. K. C. Whitehouse and H. Z. Lecher. 2,616,901, Nov. 4.
Chloromethanes, Manufacture of. P. R. Johnson. 2,585,469, Feb. 12.
Chloromethyl derivatives of pyrazoleanthronebenzanthrones. D. I. Randall. 2,619,487, Nov. 25.
Chloro-oxypropylated derivatives of oxyalkylated phenolaldehyde resins. M. De Groote and B. Keiser. 2,581,391, Jan. 8.
Chloropentafluorobenzene. E. T. McBee, W. B. Ligett, and V. V. Lindgren. 2,586,364, Feb. 19.
Chloropolysilanes, Preparation of. W. L. Walton. 2,602,728, July 8.
Chlorotrifluoroethylene polymer-in-monomer slurry, Production of. J. S. Rearick. 2,600,804, June 17.
Chock block for vehicles. E. C. Worden. 2,613,764, Oct. 14.
Chocolate, Bloom inhibited. S. T. Cross. 2,586,615, Feb. 19.
Choke collar. L. S. Elsinger. 2,614,533, Oct. 21.
Choke collar. L. S. Elsinger. 2,616,394, Nov. 4.
Choke control. H. A. Carlson and D. E. Alford. 2,588,961, Mar. 11.
Choke control, Automatic. C. B. Wright. 2,601,654, June 24.
Choke for oil wells, Adjustable. W. E. Hammock. 2,589,373, Mar. 18.
Choke means for shotguns, Adjustable. W. J. Hoza. 2,600,874, June 17.
Choker hook. W. A. Meighan. 2,605,130, July 29.
Choledochoscope. R. R. Rosenbaum. 2,599,662, June 10.
Cholesterol, Production of. P. Vaterrodt and J. McNellis. 2,598,468, May 27.
Choline chloride, Production of. H. C. Klein and R. Kapp. 2,623,901, Dec. 30.
Choline gallate and its preparation. J. Korner. 2,589,707, Mar. 18.
Choline preparations. L. Middendorf. 2,581,038, Jan. 1.
Choline salts of bile acids, Preparing. A. E. Meyer. 2,589,840, Mar. 18.
Chondroitin polysulfuric acid esters, Production of. R. Pulver. 2,612,499, Sept. 30.
Chopper. C. R. Schafer. 2,610,270, Sept. 9.
Chopper, Cotton. J. W. Talbert. 2,587,406, Feb. 26.
Chopper, Food. J. Braunwalder and E. Meyer. 2,582,475, Jan. 15.
Chopper, Tractor-mounted cotton. C. R. Younger. 2,592,097, Apr. 8.
Chopping block or knife anvil. J. H. Dawson. 2,580,526, Jan. 1.
Christmas tree clamp and supporting standard. N. W. and R. D. Krastel. 2,617,617, Nov. 11.
Christmas tree holder. J. Haumann. 2,615,660, Oct. 28.
Christmas tree stand. A. E. Lindsell. 2,605,067, July 29.
Christmas tree stand. S. Wagner and T. K. Kellner. 2,613,899, Oct. 14.
Chromanone compounds. P. F Wiley. 2,621,189, Dec. 9.
Chrome-magnesia refractories. R. J. Magri, Jr. 2,599,566, June 10.
Chrome tanning material, Preparing. R. P. Follett and W. J. Murray. 2,580,417, Jan. 1.
Chromic oxide-cadmium chloride-cadmium oxide catalyst. E. C. Jacobs and L. G. Lundsted. 2,600,654, June 17.
Chromic salts, Preparation of. W. A. Stover. 2,615,031, Oct. 21.
Chromiferous monoazo-dyestuffs. W. Widmer and J. Brassel. 2,599,147, June 3.
Chromiferous monoazo-dyestuffs. W. Widmer and J. Brassel. 2,606,184, Aug. 5.
Chromium-cellulose ether modified phenolic adhesives. C. N. Cone. 2,592,659, Apr. 15.
Chromium containing monoazo dyestuffs. G. Schetty and F. Beffa. 2,623,871, Dec. 30.
Chromium oxide-tungsten oxide-iron oxide gel catalyst. E. C. Jacobs and L. G. Lundsted. 2,600,655, June 17.
Chromizing pack and method. M. S. Roush. 2,622,043, Dec. 16.
Chronographic arrangement for electric stations. E. P. Masson. 2,594,048, Apr. 22.
Chuck. F. Herrmann. 2,583,264, Jan. 22.
Chuck. G. A. Highberg. 2,612,378, Sept. 30.
Chuck. A. Kasimir. 2,621,054, Dec. 9.
Chuck. F. Pellar and J. C. Zivny. 2,591,287, Apr. 1.
Chuck. E. Perman. 2,609,209, Sept. 2.
Chuck. R. J. S. Pigott. 2,610,066, Sept. 9.
Chuck. W. A. Snase. 2,607,602, Aug. 19.
Chuck. R. A. Wallace. 2,591,389, Apr. 1.
Chuck attachment for boring tools. C. F. Wilberschied. 2,598,477, May 27.
Chuck feature of tools of the detachably connected shank and handle type. J. N. Petre. 2,596,594, May 13.
Chuck key holder for drill motors. P. M. Willenbring. 2,592,094, Apr. 8.
Chuck key, Self-ejecting. C. G. H. Lilley. 2,609,719, Sept. 9
Chuck mechanism. H. C. Johansen. 2,594,028, Apr. 22.
Chuck wrench ejector. J. W. Goff. 2,598,119, May 27.
Chucking device for lathes. M. O. Trudeau. 2,613,943, Oct. 14.
Chucking means. G. O. Gridley. 2,613,941, Oct. 14.
Chucking mechanism. A. E. Drissner. 2,597,712, May 20.
Chucking mechanism for a tapping machine. J. H. Williams. 2,607,054, Aug. 19.
Chum-dispensing unit for fisherman. S. Steinberg. 2,612,718, Oct. 7.
Chum pot, bottom sounder, and bait bucket, Combination. F. J. Adams. 2,614,358, Oct. 21.
Churn for the production of viscose. W. R. Weigham and W. H. Stokes. 2,618,471, Nov. 18.
Churn, Tumble. M. Clegg. 2,597,291, May 20.
Chute assembly for automatic pin setting machines. J. J. Scheppe. 2,588,297, Mar. 4.
Chute for the delivery of material such as coal. D. Jackson and J. Thomson. 2,589,814, Mar. 18.
Chute for vehicles, Loading and unloading. C. E. Naekel. 2,584,396, Feb. 5.
Chute supporting mechanism. J. A. Nicholson. 2,601,449, June 24.
Cigar and cigarette holder. S. P. P. Clarke. 2,600,970, June 17.
Cigar and cigarette holder. A. Smereck. 2,617,429, Nov. 11.
Cigar and cigarette holder. R. Vakilian. 2,609,820, Sept. 9.
Cigar box cover and humidifier, Combined. J. A. Ritschel. 2,619,397, Nov. 25.
Cigar holder. W. E. Rybak, Sr. 2,583,235, Jan. 22.
Cigar lighter windshield structure. W. I. Nissen. 2,614,408, Oct. 21.
Cigar machine. J. P. Durning. 2,603,220, July 15.
Cigar-making machine. A. L. Petri. 2,592,065, Apr. 8.
Cigar wrapping machine. W. J. Giles. 2,601,856, July 1.
Cigarette and ash tray for saucers. C. A. Stodgell. 2,596,921, May 13.
Cigarette case and ash tray, Combined pocket. F. J. Epler and H. J. Pfau. 2,585,923, Feb. 19.
Cigarette case and implement, Combination. M. Lavanish. 2,611,480, Sept. 23.
Cigarette case and lighter, Combined. P. Cibié. 2,604,982, July 29.
Cigarette case, holder, and extinguisher, Combination. M. B. Siegel. 2,606,562, Aug. 12.
Cigarette case retaining arm. A. F. Reilly. 2,584,923, Feb. 5.
Cigarette collecting mechanism with upstanding members on a conveyer for releasably supporting flexible end portions of receptacles. F. F. Ruau. 2,591,202, Apr. 1.
Cigarette dispenser. L. Rossi. 2,587,225, Feb. 26.
Cigarette dispensing container. E. B. and C. H. Duell. 2,582,821, Jan. 15.
Cigarette dispensing container. O. T. Hardy. 2,618,379, Nov. 18.
Cigarette extinguisher. H. C. Ayers. 2,619,092, Nov. 25.
Cigarette extinguisher. E. N. Fontneau. 2,619,093, Nov. 25.
Cigarette extinguisher. M. Horlick. 2,586,466, Feb. 19.
Cigarette extinguisher. W. L. Lile. 2,584,275, Feb. 5.
Cigarette extinguisher. R. C. Lindstrom. 2,590,425, Mar. 25.
Cigarette extinguisher. W. and L. M. Page. 2,620,805, Dec. 9.
Cigarette extinguisher and ash tray. M. Badner. 2,600,724, June 17.
Cigarette extinguisher and ejector. M. Hechtl. 2,597,320, May 20.
Cigarette extinguisher, ash tray, and paperweight, Combined. W. M. Lewis. 2,600,785, June 17.
Cigarette extinguishing means and ash receptacle. A. J. Gaskin. 2,621,661, Dec. 16.
Cigarette holder. R. L. Blackwell. 2,582,097, Jan. 8.
Cigarette holder. A. J. Crone. 2,580,523, Jan. 1.
Cigarette holder. J. C. Miller. 2,607,353, Aug. 19.
Cigarette holder. G. R. Wilson. 2,607,354, Aug. 19.
Cigarette holder and ash tray, Combination. B. Z. Smith. 2,598,845, June 3.
Cigarette holder for automobile ash trays. D. Stepkin. 2,613,676, Oct. 14.
Cigarette holder with scoop for filter material. I. Florman. 2,619,091, Nov. 25.
Cigarette lighter. J. Simon and R. S. Temko. 2,608,080, Aug. 26.
Cigarette lighter filler unit. L. C. Ogle. 2,610,766, Sept. 16.
Cigarette maker. G. W. Du Laney. 2,594,747, Apr. 29.
Cigarette novelty. W. W. Miller. 2,588,146, Mar. 4.
Cigarette or the like lighter. L. H. Howard-Jones. 2,616,947, Nov. 4.
Cigarette paper. R. E. Matthews and W. D. Harrison. 2,580,568, Jan. 1.
Cigarette paper. M. O. Schur and R. M. Levy. 2,580,609–11, Jan. 1.
Cigarette smoker, Blackout. H. J. McMahon. 2,620,804, Dec. 9.
Cigarette snuffer with sand renewing means. M. C. Fox. 2,612,896, Oct. 7.
Cigarette supporting cover. G. Ajdukovich. 2,591,113, Apr. 1.
Cigarette tray dumping device. D. W. Molins and F. F. Ruau 2,605,909, Aug. 5.

Cigarillo machine. L. Ferenci. 2,608,974, Sept. 2.
Cinematographic matte film and making it. L. B. Prentice. 2,609,294, Sept. 2.
Cinematographic picture producer. E. Schmid. 2,622,355, Dec. 23.
Cinnamyl quaternary ammonium compounds. F. S. Crossley. 2,609,392, Sept. 2.
Circle cutter. E. J. Charles. 2,618,991–2, Nov. 25.
Circle dividing machine. R. W. Lipp. 2,584,393, Feb. 5.
Circular building. H. J. Marschak. 2,587,353, Feb. 26.
Circular clamp. F. K. Daggett. 2,617,164, Nov. 11.
Circular cutting tool. E. M. Staples. 2,600,280, June 10.
Circular end shield for mixer rotors. S. Bolling. 2,592,004, Apr. 8.
Circular loom. V. M. J. Ancet. 2,601,358, June 24.
Circular loom. V. M. J. Ancet. 2,601,871, July 1.
Circular loom and operating same. C. S. Cole. 2,609,838, Sept. 9.
Circular open hearth melting furnace. H. C. Whiston. 2,603,476, July 15.
Circular saw jointer. H. H. Oliver. 2,617,317, Nov. 11.
Circular saw safety guard. J. E. Tompkins. 2,589,309, Mar. 18.
Circular-saw stump-cutting attachment for tractors. R. E. Chapman. 2,601,366, June 24.
Circuit: *See*—
Alarm sending circuit.
Amplifier circuit.
Amplitude comparison circuit.
Asymmetrical cold cathode flip-flop circuit.
Automatic frequency control circuit.
Automatic volume control circuit.
Bistable circuit.
Bridge circuit.
Bridge type deflection circuit.
Cathode follower photoelectric amplifier circuit.
Cathode-ray dynamic focusing circuit.
Cathode-ray oscillograph circuit.
Cathode-ray tube circuit.
Cathode-ray tube sweep circuit.
Cathode-ray type selector switch circuit.
Checking means for pulse counting circuit.
Coincidence circuit.
Combination second detector, noise limiter, and gain-control circuit.
Combined line finder final selector circuit.
Combining measuring circuit.
Compressor control circuit.
Contact spark suppression circuit.
Control circuit.
Coordination circuit.
Coordination control circuit.
Counter circuit.
Counting circuit.
Counting down circuit.
Delay action filter circuit.
Dielectric test circuit.
Digit shifting circuit.
Direct current reinsertion circuit.
Discharge lamp circuit.
Discriminator circuit.
Distributed coincidence circuit.
Diversity receiver indicator circuit.
Dual bridge motor control circuit.
Dynamic motor braking and reversing circuit.
Echo ranging circuit.
Electric circuit.
Electric delay circuit.
Electric integrating circuit.
Electric pulse delay circuit.
Electric welding supply circuit.
Electrical control circuit.
Electrical counter circuit.
Electrical differentiating circuit.
Electrical driving circuit.
Electrical integration circuit.
Electrical test circuit.
Electrical wave producing circuit.
Electronic circuit.
Electronic control circuit.
Electronic counting circuit.
Electronic marker circuit.
Electronic relay circuit.
Electronic signal responsive predetermining circuit.
Electronic switching circuit.
Electronic time delay circuit.
Electronic timing circuit.
Electronic trigger circuit.
Equalizer circuit.
Feedback amplifier circuit.
Flash lamp firing circuit.
Flash tube circuit.
Fluorescent lamp circuit.
Frequency control circuit.
Frequency discriminating circuit.
Frequency discriminator circuit.
Frequency modulation reflex limiting circuit.
Frequency multiplier circuit.
Gas tube circuit.
Gas tube input circuit.
Gated amplifier circuit.
Ground detector circuit.
Heat control circuit.
High-frequency amplifier circuit.
High-frequency energy transfer circuit.
High-frequency mixer circuit.
High-frequency phase angle responsive circuit.
High-frequency resonant circuit.
High selective receiver circuit.
Hum bucking circuit.
Ignition circuit.
Inductance - capacitance resonance circuit.
Instantaneous square-root-extracting circuit.
Interference prevention circuit.
Inverter starting circuit.
Keyboard operated translating circuit.
Keyed direct current reinsertion circuit.
Logarithmic circuit.
Loop antenna tuning circuit.
Low open circuit voltage alternating current welding circuit.
Marker-controlled final selector circuit.
Microsecond delay circuit.
Mixing circuit.
Mixing or detector circuit.
Modulator circuit.
Motor generator circuit.
Multilane traffic warning circuit.
Multirange tuning circuit.
Circuit: *See*—Continued.
Multivibrator circuit.
Noise suppression circuit.
Nonrepeat control circuit.
Null voltage indicating circuit.
Organ stop switching circuit.
Oscillator controlled relay circuit.
Parallax correction circuit.
Phase advance circuit.
Phase correction filter circuit.
Phase detector circuit.
Phase-shift circuit.
Photomultiplier coincidence circuit.
Photomultiplier tube circuit.
Pickup tube beam-interrupting circuit.
Power amplifier circuit.
Power divider circuit.
Precautionary circuit.
Private branch exchange trunk circuit.
Pulse amplitude discriminator circuit.
Pulse commutating ring counter circuit.
Pulse counter circuit.
Pulse delay circuit.
Pulse discriminator circuit.
Pulse energized gas tube circuit.
Pulse forming circuit.
Pulse generator circuit.
Pulse modulator circuit.
Pulse narrowing circuit.
Pulse shaping circuit.
Pulse width discriminator circuit.
Pulsing circuit.
Radiation detector circuit.
Radio-frequency circuit.
Radio frequency coupling circuit.
Radio-frequency power divider circuit.
Radio-frequency transmission line circuit.
Radio receiver noise reducing circuit.
Reactance tube circuit.
Reactor - controlled electronic circuit.
Regenerative frequency shifting and pulse shaping circuit.
Register circuit.
Relay counting circuit.
Relay ring circuit.
Selective squelch circuit.
Selecting and lockout circuit.
Self-sustaining gas tube circuit.
Semiconductor multivibrator circuit.
Sender test circuit.
Shift register circuit.
Signal responsive circuit.
Stabilized control circuit.
Stabilized frequency divider circuit.
Stabilized transistor trigger circuit.
Stabilized trigger circuit.
Subdivided coded railway track circuit.
Superheterodyne receiving circuit.
Sweep and range circuit.
Sweep circuit.
Switching circuit.
Synchronized oscillator circuit.
Synchronising signal separator circuit.
Telegraph concentration board spare communication circuit.
Telegraph hub electronic loop repeater circuit.
Telephone party line intercept circuit.
Television kinescope projection circuit.
Television receiver squelching circuit.
Television size-control circuit.
Television time base circuit.
Temperature responsive control circuit.
Thermionic multiplying and measuring circuit.
Thermionic valve integrating circuit.
Time-delay circuit.
Timer circuit.
Timing circuit.
Toll supervisory operator's telephone circuit.
Trigger circuit.
Trunk circuit.
Tube circuit.
Two-way wire telephone repeater circuit.
Vacuum tube keying circuit.
Variable parallel resonant circuit.
Vernier ranging circuit.
Vertical sweep synchronizing circuit.
Video blanking circuit.
Voice frequency signaling circuit.
Voltage level selector circuit.
Voltage pulse generating circuit.
Voltage regulator circuit.
Voltage sensitive circuit.
Volume compression circuit.
Washing machine control circuit.
Wide range high-frequency series - resonant tuning circuit.
Circuit analyzing apparatus, Electrical. J. V. McNulty. 2,604,515, July 22.
Circuit analyzing apparatus, Electrical. J. V. McNulty and L. I. Knudson. 2,604,516, July 22.
Circuit and device for electric discharge devices, Starting and operating. D. C. Miller. 2,597,591, May 20.
Circuit and timer, Sequence control. J. L. Solomon. 2,600,519, June 17.
Circuit arranged for dialback operations, Two-way trunk. S. W. Allison. 2,586,901, Feb. 26.
Circuit-arrangement for charging capacitors. T. W. Willemse. 2,617,086, Nov. 4.
Circuit-arrangement for detecting frequency-modulated oscillations. G. Hepp. 2,623,174, Dec. 23.
Circuit arrangement for discharge tubes, particularly glow discharge tubes. F. Lehmann. 2,588,858, Mar. 11.
Circuit arrangement for generating sawtooth oscillations. J. J. P. Valeton. 2,611,089, Sept. 16.
Circuit arrangement for limiting and detecting frequency-modulated oscillations. G. Hepp. 2,617,018, Nov. 4.
Circuit-arrangement for limiting the amplitude of an electrical oscillation. J. van Slooten. 2,616,968, Nov. 4.
Circuit arrangement for receiving frequency modulated oscillations. G. Hepp. 2,617,021, Nov. 4.
Circuit arrangement for the generation of oscillations, Electrical. E. A. Newman. 2,603,750, July 15.
Circuit arrangement for the stabilization of alternating current voltages. G. Mak and A. W. Storm. 2,591,955, Apr. 8.
Circuit arrangement for time subdivision. G. D. Browne. 2,589,334, Mar. 18.

Circuit arrangement for wave length modulation. W. W. Boelens. 2,582,673, Jan. 15.
Circuit arrangement, including a cathode-ray tube comprising cathode-ray beam deflecting means. A. J. W. M. van Overbeek, Z. van Gelder, and J. L. H. Jonker. 2,591,981, Apr. 8.
Circuit arrangement, Mixing. A. van Weel. 2,591,983, Apr. 8.
Circuit arrangement, Mixing. A. van Weel. 2,606,283–4, Aug. 5.
Circuit arrangement, Piezoelectric crystal. W. S. Mortley. 2,600,124, June 10.
Circuit arrangement, Push-pull mixing. A. van Weel. 2,609,495, Sept. 2.
Circuit breaker. L. M. Applegate. 2,611,846, Sept. 23.
Circuit breaker. J. B. Cataldo, E. D. Tidd, and A. N. Cook. 2,622,169, Dec. 16.
Circuit breaker. C. V. Chermendy. 2,623,131, Dec. 23.
Circuit breaker. H. D. Dorfman and W. D. Patton. 2,588,497, Mar. 11.
Circuit breaker. H. D. Dorfman and W. D. Patton. 2,608,629, Aug. 26.
Circuit breaker. R. H. Herman and O. G. Killian. 2,623,967, Dec. 30.
Circuit breaker. J. G. Jackson. 2,601,147, June 17.
Circuit breaker. B. W. Jones. 2,584,711, Feb. 5.
Circuit breaker. H. R. Lindbeck. 2,589,010, Mar. 11.
Circuit breaker. L. R. Ludwig, W. H. Stuellein and G. D. Gamel. 2,590,634, Mar. 25.
Circuit breaker. G. A. Matthews. 2,590,989, Apr. 1.
Circuit breaker. E. T. Platz. 2,607,867–8, Aug. 19.
Circuit breaker. E. T. Platz. 2,610,272, Sept. 9.
Circuit breaker. J. F. Raleigh. 2,619,564, Nov. 25.
Circuit breaker. A. Van Ryan. 2,585,879, Feb. 12.
Circuit breaker. A. B. Rypinski. 2,601,638, June 24.
Circuit breaker. W. M. Scott, Jr. 2,601,417, June 24.
Circuit breaker. R. H. Swingle. 2,619,561, Nov. 25.
Circuit breaker. C. Thumim. 2,601,422, June 24.
Circuit breaker. E. J. Walker. 2,590,663, Mar. 25.
Circuit breaker. K. W. Wilckens. 2,623,141, Dec. 23.
Circuit breaker assembly. J. B. Cataldo and E. D. F. Tidd. 2,617,909, Nov. 11.
Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., and C. Schindler. Re. 23,532, Aug. 5.
Circuit breaker, Automatic reclosing. A. van Ryan. 2,620,382, Dec. 2.
Circuit breaker, Automobile battery. R. D. Hutton. 2,599,637, June 10.
Circuit breaker-blow open, blow closed contacts. J. D. Wood. 2,601,482, June 24.
Circuit breaker, Bushing type electric. O. Tange and S. Morita. 2,586,115, Feb. 19.
Circuit breaker, Compressed gas operated. H. Thommen and A. Amstutz. 2,592,079, Apr. 8.
Circuit breaker contact. M. J. Lewis. 2,620,417, Dec. 2.
Circuit breaker control. A. Conangla. 2,611,796, Sept. 23.
Circuit breaker control system. W. H. Cuttino. 2,611,009, Sept. 16.
Circuit breaker, Electric. R. G. Page. 2,596,506, May 13.
Circuit breaker, Electrical. M. B. Wood. 2,585,068, Feb. 12.
Circuit breaker employing a pair of arc chutes. G. A. Burnham. 2,604,565, July 22.
Circuit breaker employing high and low intensity gas blast. G. E. Jansson. 2,604,563–4, July 22.
Circuit breaker, Fluid pressure operated. D. J. Marsden. 2,586,361, Feb. 19.
Circuit breaker, Heavy-duty air. J. A. Favre. 2,581,181, Jan. 1.
Circuit breaker, High-voltage. J. D. Wood, A. S. Caswell, and E. Goessel. 2,613,299, Oct. 7.
Circuit breaker, Impact. D. P. Rudisill. 2,586,384, Feb. 19.
Circuit breaker lever. H. V. Elliott. 2,616,011, Oct. 28.
Circuit breaker operating mechanism. J. K. Hodnette and M. G. Leonard. 2,586,429, Feb. 19.
Circuit breaker operating system. A. Thibaudat. 2,594,247, Apr. 22.
Circuit breaker, Reclosing. A. Conangla. 2,609,421, Sept. 2.
Circuit breaker switch. C. Rousseau. 2,583,122, Jan. 22.
Circuit breaker system. H. F. Mason. 2,621,236, Dec. 9.
Circuit breaker system, Blow open, blow closed. J. D. Wood. 2,601,483, June 24.
Circuit breaker, Trip-free. M. B. Wood. 2,613,296, Oct. 7.
Circuit breaker trip mechanism. D. I. Bohn. 2,616,999, Nov. 4.
Circuit breaker unit. E. A. Vogel. 2,587,013, Feb. 26.
Circuit breaker with a plurality of series connected breaking gaps, Compressed air. H. Forwald. 2,599,100, June 3.
Circuit breaker with ambient temperature and shock compensation. R. C. Ingwersen. 2,587,162, Feb. 26.
Circuit breaker with blast valve motor assisting the contact motor. I. W. Paterson. 2,597,126, May 20.
Circuit breaker with interlocked blast valve and contact motors. C. D. Ainsworth. 2,597,047, May 20.
Circuit breaker with reclosing means, Electric automatic. C. F. Pulvari. 2,618,688, Nov. 18.
Circuit cathode-ray oscilloscope. O. L. Taylor. 2,586,395, Feb. 19.
Circuit closing panel. D. P. Morgan. 2,608,626, Aug. 26.
Circuit construction, Printed. W. H. Myers. 2,586,854, Feb. 26.
Circuit continuity tester. P. L. Zimmerman. 2,620,379, Dec. 2.
Circuit control for electric appliances, Heating. W. R. McDowell. 2,591,849, Apr. 8.
Circuit control for well surveying instruments. G. J. Butterworth. 2,590,930, Apr. 1.
Circuit control means. C. L. Stroup. 2,593,214, Apr. 15.
Circuit controlling apparatus. V. Durbin. 2,598,519, May 27.
Circuit controlling apparatus. J. F. Frese. 2,611,060, Sept. 16.
Circuit controlling device. R. L. Konle and C. W. Kuhn. 2,598,563, May 27.
Circuit controlling device. G. O. Puerner. 2,594,493, Apr. 29.
Circuit controlling device. A. B. Rypinski. 2,612,573, Sept. 30.
Circuit controlling device. M. P. Wolverton. 2,593,642, Apr. 22.
Circuit controlling mechanism for rotatably adjustable spotlights. P. F. Early. 2,587,124, Feb. 26.
Circuit element utilizing semiconductive materials. W. Shockley. 2,623,102, Dec. 23.
Circuit for amplifying electrical oscillations with a constant amplification factor. J. J. Z. van Zelst. 2,623,955, Dec. 30.
Circuit for cathode-ray oscilloscopes, Control. P. W. Crist. 2,595,228, May 6.
Circuit for cathode-ray oscillographs, Deflection. M. Nadir. 2,611,105, Sept. 16.
Circuit for constant voltage amplifiers. M. L. Hecht and R. Sanford. 2,581,953, Jan. 8.
Circuit for controlling fare registering machines, Electric. A. M. Gordon. 2,594,423, Apr. 29.
Circuit for controlling the release of a relay. T. L. Dimond. 2,583,328, Jan. 22.
Circuit for controlling traffic signals, Electric. O. J. Blanchet. 2,590,748, Mar. 25.
Circuit for detection of frequency differences and apparatus employing same. S. M. Bagno. 2,623,931, Dec. 30.
Circuit for dielectric heating apparatus, Variable capacity. L. C. Archer and F. J. Vogel. 2,595,502, May 6.
Circuit for electric discharge devices, Operating. A. H. Willoughby. 2,593,952, Apr. 22.
Circuit for electron multiplier phototubes, Automatic gain control. H. O. Marcy, 3rd. 2,605,430, July 29.
Circuit for electronic amplifiers, Safety control. B. T. Setchell. 2,589,299, Mar. 18.
Circuit for grid-controlled gas discharge tubes, Phase-shift. J. H. Lucas. 2,591,952, Apr. 8.
Circuit for incandescent lamps, Electric. M. R. Douglass. 2,594,622, Apr. 29.
Circuit for increasing duration of pulses. H. O. Anger. 2,617,883, Nov. 11.
Circuit for measuring high-resistance leaks, Electronic voltmeter test. W. E. Niederau, D. Ritchie, Jr., and P. L. Wright. 2,595,163, Apr. 29.
Circuit for measuring inductance or capacitance. J. M. Marzolf. 2,604,511, July 22.
Circuit for motor-driven signal seeking receivers, Variable delay control. R. A. Gull. 2,584,578, Feb. 5.
Circuit for multiplier vacuum tubes, Power supply. J. T. Wallmark. 2,589,173, Mar. 11.
Circuit for neutralization of frequency divider chains. J. K. Phelan. 2,582,603, Jan. 15.
Circuit for operating electric discharge lamps. H. R. Ruff and H. K. Bourne. 2,619,615, Nov. 25.
Circuit for oscillograph with provision for calibrating during operation. G. Ellis. 2,602,839, July 8.
Circuit for perforators, Electronic control. R. D. Slayton. 2,609,444, Sept. 2.
Circuit for preventing excessive transients, Electrical. H. K. Ziegler. 2,585,069, Feb. 12.
Circuit for producing coding pulses, Electrical. P. L. Sagalyn. 2,600,268, June 10.
Circuit for providing timed electrical impulses. T. Podbielniak. 2,621,294, Dec. 9.
Circuit for radio receivers, Off-channel squelch. L. Y. Lacy. 2,589,711, Mar. 18.
Circuit for radio receivers, Reflex amplifier. H. A. Broos. 2,582,100, Jan. 8.
Circuit for recorders, Electronic control. R. D. Slayton. 2,609,445, Sept. 2.
Circuit for straight course navigation, Electrical. R. K. Mosher. 2,603,088, July 15.
Circuit for switches, Electronic stop. C. M. Theiliaumas. 2,581,457, Jan. 8.
Circuit for telephone switching equipment, Signal control. K. L. Burgener. 2,594,726, Apr. 29.
Circuit for television receivers, Linearity control. F. A. Wissel. 2,599,798, June 10.
Circuit for transmission controls, Electrical. D. F. Toot. 2,606,457, Aug. 12.
Circuit for transmitting or generating electrical oscillations of ultrahigh frequency. G. Diemer. 2,596,539, May 13.
Circuit for wide-band video amplifiers, Polarity-switching output. H. L. Morrison. 2,580,941, Jan. 1.
Circuit having high input impedance and linear response. E. W. Yetter. 2,601,485, June 24.

Circuit integrity indicating system. C. M. Hines. 2,605,334, July 29.
Circuit interrupter. B. P. Baker. 2,623,968, Dec. 30.
Circuit interrupter. B. P. Baker and T. E. Browne, Jr. 2,586,290, Feb. 19.
Circuit interrupter. B. P. Baker and O. von Mehren. 2,581,571, Jan. 8.
Circuit interrupter. R. C. Dickinson and R. E. Frink. 2,616,007, Oct. 28.
Circuit interrupter. H. D. Dorfman and G. J. Freese. 2,600,223, June 10.
Circuit interrupter. A. W. Edwards. 2,590,524, Mar. 25.
Circuit interrupter. R. E. Frink. 2,584,570, Feb. 5.
Circuit interrupter. R. E. Frink. 2,590,602, Mar. 25.
Circuit interrupter. W. M. Leeds. 2,619,568, Nov. 25.
Circuit interrupter. W. M. Leeds, R. E. Friedrich, and F. J. Fry. 2,592,635, Apr. 15.
Circuit interrupter. S. I. Lindell. 2,591,950, Apr. 8.
Circuit interrupter. H. L. Rawlins. 2,611,058, Sept. 16.
Circuit interrupter. H. L. Rawlins and J. M. Wallace. 2,622,167, Dec. 16.
Circuit interrupter. A. T. Stratton. 2,597,134, May 20.
Circuit interrupter. J. M. Wallace. 2,584,764, Feb. 5.
Circuit interrupter. J. M. Wallace. 2,588,594, Mar. 11.
Circuit interrupter. J. M. Wallace and H. L. Rawlins. 2,622,166, Dec. 16.
Circuit interrupter. J. M. Wallace, H. L. Rawlins, J. M. Cumming, and W. S. Aspey. 2,622,165, Dec. 16.
Circuit interrupter. B. C. Webster. 2,611,055, Sept. 16.
Circuit interrupter construction. S. I. Lindell and C. H. Baker. 2,599,187, June 3.
Circuit interrupter contact. A. B. Rypinski. 2,606,983, Aug. 12.
Circuit interrupter contact pressure increasing device. A. W. Edwards. 2,590,523, Mar. 25.
Circuit interrupter, Electric. P. Bartlett. 2,606,262, Aug. 5.
Circuit interrupter having finger contacts. G. B. Cushing. 2,600,211, June 10.
Circuit interrupter, Rotary. J. A. Favre. 2,599,242, June 3.
Circuit interrupter. Spaced plate. J. A. Kalaway. 2,590,543, Mar. 25.
Circuit interrupter trip device. G. G. Grissinger, T. Lindstrom, and J. Sandin. 2,586,326, Feb. 19.
Circuit interrupter with arc-extinguishing means. R. P. Ballou. 2,588,195, Mar. 4.
Circuit interrupting means. G. F. McMahon. 2,586,171, Feb. 19.
Circuit opening device. G. F. Lincks. 2,587,341, Feb. 26.
Circuit organization adapted to receive or amplify electric oscillations. K. Nowak. 2,594,485, Apr. 29.
Circuit panel with connector, Printed. M. L. Salisbury. 2,603,681, July 15.
Circuit panels, Making. T. D. Nierenberg. 2,602,731, July 8.
Circuit protection apparatus. H. H. Spencer. 2,624,036, Dec. 30.
Circuit protective device. G. V. Zito. 2,615,107, Oct. 21.
Circuit restorer. B. S. Beall and J. A. Oppel. 2,619,562, Nov. 25.
Circuit restorer. J. A. Oppel. 2,597,024, May 20.
Circuit restorer. C. Thumim. 2,599,294, June 3.
Circuit restorer. B. W. Wyman. 2,612,574, Sept. 30.
Circuit signaling system for railroads, Coded track. N. D. Preston. 2,605,391, July 29.
Circuit signaling system, Rectified alternating current type coded track. W. H. Reichard. 2,588,044, Mar. 4.
Circuit signaling systems, Coded track. T. J. Judge. 2,605,390, July 29.
Circuit tester for battery-energized circuits. R. C. Willcock and P. E. Hastings. 2,611,008, Sept. 16.
Circuit tester, Low-voltage. B. Rozett. 2,597,188, May 20.
Circuit to produce surge discharges at a high rate, Electric. M. J. Kofoid. 2,583,380, Jan. 22.
Circuit with a number of counting relays for recording a number of closures made by an impulse contact, Relay. R. M. M. Oberman. 2,606,236, Aug. 5.
Circuits and devices for electric discharge devices, Starting and operating. P. Waguet. 2,586,400–3, Feb. 19.
Circuits and devices for electric discharge devices, Starting and operating. P. Waguet. 2,586,405, Feb. 19.
Circuits, Electronic timer. G. D. Hanchett, Jr. 2,584,871, Feb. 5.
Circuits employing germanium diodes as active elements. W. A. Miller. 2,581,273, Jan. 1.
Circuits for automatic telephone systems, Pay station. C. E. Lomax and J. M. Wild. 2,583,783, Jan. 29.
Circuits for carrier wave communication systems and the like, Supervisory signaling. E. H. B. Bartelink. 2,601,425, June 24.
Circuits for carrier wave communication systems and the like, Supervisory signaling. E. H. B. Bartelink and E. Daskam, Jr. 2,594,718, Apr. 29.
Circuits for generating electrical oscillations of sawtooth waveform. E. W. Bull and M. E. Pemberton. 2,620,443, Dec. 2.
Circuits for generating saw tooth oscillations. K. G. Huntley. 2,622,227, Dec. 16.
Circuits for group selectors in automatic systems, Testing. A. Mamor. 2,586,838, Feb. 26.
Circuits for object locator apparatus. R. F. Mozley. 2,613,317, Oct. 7.
Circuits for producing saw tooth currents. C. L. Faudell. 2,621,309, Dec. 9.
Circuits for reinserting direct current and low-frequency components. H. G. Lubszynski and E. L. C. White. 2,620,393, Dec. 2.
Circuits for the generation of electrical variations. E. L. C. White. 2,620,456, Dec. 2.
Circuits for transmitting tones to calling subscribers, Special trunk. J. Michal. 2,591,580, Apr. 1.
Circuits for use in diathermy, Oscillator. E. H. Guboff and R. Binney. 2,585,007, Feb. 12.
Circuits, Integrating. L. R. J. Johnson. 2,584,882, Feb. 5.
Circulating inert gas in a refrigerating system. C. T. Ashby and C. A. Miller. 2,603,955, July 22.
Circulating unit and actuator therefor. A. L. Armentrout. 2,619,179, Nov. 25.
Circulation control for wells and actuator therefor. A. L. Armentrout. 2,616,503, Nov. 4.
Circulation inducing device for return water connection in heating boilers. J. A. Rydberg. 2,608,956, Sept. 2.
Circulation of cell electrolyte. H. G. Elrod, Jr. 2,584,117, Feb. 5.
Circulator. A. H. Ruthman and W. H. Mahaney. 2,617,669, Nov. 11.
Circumcision clamp. J. J. Turner. 2,601,470, June 24.
Circumferentially traveling tire bead prying tool. J. M. Edwards. 2,610,672, Sept. 16.
Circumferentially traveling type tire removing tool. C. Wendelken. 2,615,507, Oct. 28.
Citrus fruit juice extractor. R. J. Trainor. 2,602,479, July 8.
Citrus fruit press. J. H. Clark. 2,588,906, Mar. 11.
Citrus fruit press. J. H. Clark. 2,591,510, Apr. 1.
Citrus juice products having stabilized cloud and making the same. J. W. Stevens and D. E. Pritchett. 2,599,519, June 3.
Clad beryllium-copper alloys. V. G. Mooradian. 2,608,753, Sept. 2.
Cladding a copper-base metal to an aluminum core. H. B. Burrack. 2,612,682, Oct. 7.
Clamp: *See*—
Adjustable beam clamp.
Adjustable clamp.
Automobile fender flap clamp.
Axially and angularly adjustable straight beam clamp.
Axially tightening clamp.
Battery terminal clamp.
Beam clamp.
Bedclothes clamp.
Bone clamp.
Cable clamp.
Cable strain clamp.
Cam actuated adjustable mold clamp.
Cam actuated frame holding clamp.
Circular clamp.
Circumcision clamp.
Concrete form **clamp.**
Cow tail clamp.
Cultivator tool **clamp.**
Cushioned harness clamp.
Dental clamp.
Door supporting clamp.
Drum ring clamp.
Duplicating machine plate clamp.
Ear clamp.
Electric line-up clamp.
Fabric panel clamp.
Fishing line clamp.
Flange holding clamp.
Foldable door supporting clamp.
Form clamp.
General utility clamp.
Guard rail clamp.
Hair clamp.
Hemorrhoidal clamp.
Hose clamp.
Internal pipe aligning clamp.
Ladder clamp.
Lift bar clamp.
Lighting clamp.
Lighting fixture clamp.
Magnetic clamp.
Matrix clamp.
Messenger wire clamp.
Mounting clamp.
Paper clamp.
Parallel screw machinist's clamp.
Pipe clamp.
Pipe lowering clamp.
Pivotal disk clamp.
Pivoted door supporting clamp.
Portable saw welding clamp.
Pressure fluid clamp.
Quick-acting clamp.
Quick action batch clamp.
Quick releasable ship clamp.
Rectangular framework clamp.
Resilient clamp.
Safety ground clamp.
Shoe sole clamp.
Ski tow-rope clamp.
Solderless electrical conductor clamp.
Stabilized pipe repair clamp.
Stock clamp.
Straight beam adjustable jaw cam clamp.
Suction cleaner clamp.
Tire chain applying clamp.
Toolmaker's parallel screw clamp.
Truck carrier clamp.
Twist-on-bus-support clamp.
Warp clamp.
Wedge-actuated clamp.
Wedging bench clamp.
Wire clamp.
Wire gripping clamp.
Wood clamp.
Work clamp.
Work holding clamp.
Yarn clamp.
Clamp. G. O. Conner. 2,591,512, Apr. 1.
Clamp. A. A. Hocher. 2,613,964–6, Oct. 14.
Clamp. J. L. Pearson. 2,618,270, Nov. 18.
Clamp. E. Pleasance. 2,612,794, Oct. 7.
Clamp. L. W. Premo. 2,583,880, Jan. 29.
Clamp. C. M. Woodward. 2,614,788, Oct. 21.
Clamp and knife drive mechanism. F. W. Seybold. 2,621,733, Dec. 16.
Clamp and nozzle holder, Combined shutoff. B. A. Van Hyning. 2,603,237, July 15.
Clamp and pin tenter clip. J. H. Ciciva. 2,584,553, Feb. 5.

Clamp and reinforcing means for structural members. R. Jeoffroy. 2,617,346, Nov. 11.
Clamp arbor, Expansible. J. E. H. Westberg. 2,593,638, Apr. 22.
Clamp connector tool. L. F., S. J., and D. C. Heuer. 2,605,661, Aug. 5.
Clamp for bracelets. S. Ritter. 2,613,415, Oct. 14.
Clamp for clamping concrete forms. A. H. Jennings and H. E. Sharman. 2,610,660, Sept. 16.
Clamp for constricting flexible tubular elements and the like. M. Garland. 2,598,901, June 3.
Clamp for cylindrical objects. H. C. Rubly. 2,607,092, Aug. 19.
Clamp for drill collars, Safety. W. A. Abegg. 2,591,763, Apr. 8.
Clamp for holding band on a tooth. A. J. Kemppe. 2,602,227, July 8.
Clamp for outboard motors. C. Williams. 2,584,955, Feb. 5.
Clamp for pipe bending machines, Automatic. A. Froedge. 2,583,479, Jan. 22.
Clamp for pipe lines, Repair. T. T. Graham. 2,581,015, Jan. 1
Clamp for scaffolding tubes and like members. A. A. Hobbs. 2,604,340, July 22.
Clamp for stringing rackets. E. H. Serrano. 2,608,737, Sept. 2.
Clamp for telescopes of transits. C. O. Rothweiler. 2,620,564, Dec. 9.
Clamp for terminal blocks, Mounting. L. Pierce and J. C. Ponstingl. 2,583,157, Jan. 22.
Clamp for tire chain mountings, Resilient. C. L. Bourne. 2,616,318, Nov. 4.
Clamp for wire cables. J. Eder. 2,597,626, May 20.
Clamp having a swiveled traction connection. W. Killius. 2,608,730, Sept. 2.
Clamp having opposite identical jaws, Tubing. C. J. Coberly. 2,592,791, Apr. 15.
Clamp lock for separable socket assemblies. W. H. Norton and H. Geiger. 2,604,506, July 22.
Clamp means. H. D. Paxson. 2,587,517, Feb. 26.
Clamp operating and locking means. A. A. Muehling. 2,603,323, July 15.
Clamp structure for adjustable drafting tables. R. M. Brown. 2,621,094, Dec. 9.
Clamp structure for garment finishing machines or the like. N. C. Jackson. 2,592,903, Apr. 15.
Clamp support for standoff insulators. A. A. Flynn. 2,593,130, Apr. 15.
Clamping apparatus for use in the attachment of heels to shoes. J. F. Leahy and J. W. Ashley. 2,618,795, Nov 25.
Clamping circuits. H. Goldberg. 2,583,832, Jan. 29.
Clamping device. D. H. Stent. 2,615,678, Oct. 28.
Clamping device, Automatic. L. K. Clark. 2,584,789, Feb. 5.
Clamping device for adjustable headrests. H. B. Cole. 2,586,417, Feb. 19.
Clamping device for electrodes of arc furnaces. L. Högel and J. Jackel. 2,587,045, Feb. 26.
Clamping device for guy wire guards. A. G. Steinmayer. 2,604,178, July 22.
Clamping device for machine tools. O. von Zelewsky. 2,593,706, Apr. 22.
Clamping fixture, Three-way. A. V. McFerron and H. D. Myers. 2,594,052, Apr. 22.
Clamping fixture with pressure means in right angularly related planes. J. H. O'Connor. 2,606,583, Aug. 12.
Clamping means for doors of blast furnace stoves. J. F. Baier. 2,605,724, Aug. 5.
Clamping ring for metal drum closures. J. J. Kojan. 2,603,382, July 15.
Clampless bottom wiring for electrical devices. H. Hubbell. 2,622,119, Dec. 16.
Clapboard unit for wall coverings. C. M. Kinghorn. Re. 23,568, Oct. 28.
Clarification of sugar cane juice. K. H. Eakin. 2,610,932, Sept. 16.
Clasp. F. A. Ballou, Jr. and R. T. Stafford. 2,583,988, Jan. 29.
Clasp. L. P. Knowlton. 2,595,391, May 6.
Clasp. A. F. L. A. You. 2,581,825, Jan. 8.
Clasp, Bracelet. A. A. Harman. 2,580,760, Jan. 1.
Clasp coupling for jewelry, Magnetic. F. Hornik. 2,615,227, Oct. 28.
Clasp, Cravat. S. Grubman and S. Slansky. 2,593,298, Apr. 15.
Clasp, Cravat. C. S. Marien. 2,584,215, Feb. 5.
Clasp, Expansible jewelry. A. Philippe. 2,598,597, May 27.
Clasp for cuffs and the like. G. G. and S. Stavropoulos. 2,585,181, Feb. 12.
Clasp, Hand guide. W. Weeks. 2,592,862, Apr. 8.
Clasp, Jewelry. K. F. Hoeckele. 2,596,405, May 13.
Clasp, Necktie. W. H. Meeker. 2,608,729, Sept. 2.
Clasp, Necktie. E. S. Mix. 2,581,274, Jan. 1.
Clasp, Pivoted. G. J. Epperson. 2,603,849, July 22.
Clasp, Pivoted spring actuated. F. Marziani. 2,622,300, Dec. 23.
Clasp, Snap. K. Gaupp. 2,580,907, Jan. 1.
Class of line indication in telephone systems. M. den Hertog and A. C. Berden. 2,593,419, Apr. 22.
Classifier. L. McLean. 2,601,923, July 1.
Classifier. J. C. Straub. 2,583,447, Jan. 22.
Classifying apparatus and method. N. J. Woodland and B. Silver. 2,612,994, Oct. 7.
Classifying system for pieces of solid material having unequal size. J. E. Evans. 2,593,425, Apr. 22.
Claw clutch. A. Moessinger. 2,592,819, Apr. 15.
Claw pulldown mechanism. J. S. Chandler. 2,611,292, Sept. 23.
Claw hammer with extensible fulcrum. H. H. Brown and B. N. Reed. 2,589,046, Mar. 11.
Claw hammer with extensible fulcrum. H. H. Brown and L. W. Williams. 2,589,047, Mar. 11.
Clay articles, Manufacture of novel. I. R. Linnard. 2,591,565, Apr. 1.
Clay decolorizing of solvent refined lubricating oils. G. L. Lupfer, R. G. Atkinson, and J. D. Stubbs. 2,602,044, July 1.
Clay treating oil, Method and apparatus for. W. W. Kraft. 2,590,872, Apr. 1.
Clean-out mechanism for filters and the like. A. C. Kracklauer. 2,621,798, Dec. 16.
Cleanable sight glass in gauges. J. G. Partch, D. R. Day and W. E. Scovill. 2,605,640, Aug. 5.
Cleaned and degreased wool sliver and processes employing the same. W. F. Moody. 2,587,504, Feb. 26.
Cleaner: *See*—
Air and gas cleaner.
Air cleaner.
Bowling ball cleaner.
Barn cleaner.
Barn gutter cleaner.
Berry cleaner.
Canister type suction cleaner.
Container ejecting suction cleaner.
Diesel engine filter cleaner.
Dust mop cleaner.
Elevator bucket cleaner.
Expansion joint cleaner.
Gold ball cleaner.
Golf ball cleaner.
Lint cleaner.
Oil bath air cleaner.
Paint roller jacket cleaner.
Pipe cleaner.
Portable rug or carpet cleaner.
Radiator cleaner.
Rearwardly discharging tank type suction cleaner.
Rotary tooth cleaner.
Self-cleaning clothesline cleaner.
Shuttle cleaner.
Side opening suction cleaner.
Single gutter barn cleaner.
Smoking pipe cleaner.
Steam cleaner.
Suction cleaner.
Spark plug cleaner.
Tank type cleaner.
Telephone dial cleaner.
Tobacco pipe cleaner.
Tube cleaner.
Two-arm expanding head tube cleaner.
Universal instrument and bearing cleaner.
Vacuum cleaner.
Vacuum well cleaner.
Windshield cleaner.
Wire cleaner.
Cleaner towage direction control. E. N. Rosenberg. 2,622,264, Dec. 23.
Cleaner with carpet beater and brush, Suction. G. F. Hodges. 2,581,794, Jan. 8.
Cleaner with endless belt differentially pressed against the floor. V. G. Magnuson. 2,607,939, Aug. 26.
Cleaning accessory for radiator systems. M. N. Mikulic. 2,582,880, Jan. 15.
Cleaning aid. J. A. Cameron. 2,601,771, July 1.
Cleaning and drying implement for Venetian blinds, Combined. M. Vojacek. 2,622,256, Dec. 23.
Cleaning and pickling composition for metals. W. H. Hill. 2,606,155, Aug. 5.
Cleaning and polishing composition. M. E. Baer and L. E. Concannon. 2,584,413, Feb. 5.
Cleaning and rustproofing composition. C. W. Smith. 2,587,777, Mar. 4.
Cleaning and testing apparatus for beer dispensing systems. M. J. and J. M. Zwosta. 2,583,982, Jan. 29.
Cleaning apparatus. J. K. Flinchbaugh. 2,619,435, Nov. 25.
Cleaning apparatus. E. O. Morton. 2,592,314, Apr. 8.
Cleaning apparatus for battery cages. R. L. Lovell. 2,601,844, July 1.
Cleaning apparatus for pipes and the like. G. T. Thomas. 2,590,479, Mar. 25.
Cleaning apparatus for the cooling systems of engines. D. M. Paxton. 2,603,227, July 15.
Cleaning attachment for engine radiators. E. W. Rose. 2,601,972, July 1.
Cleaning automobile radiators. A. W. Bassett. 2,622,046, Dec. 16.
Cleaning brick checkerwork. P. H. Cardwell and C. M. Loucks. 2,621,136, Dec. 9.
Cleaning brush for threaded bolts and the like, Cagelike rotary. J. T. Starr. 2,600,338, June 10.
Cleaning composition. C. A. Campbell. 2,583,165, Jan. 22.
Cleaning composition. C. F. Pickett and M. Rosenfeld. 2,613,186, Oct. 7.
Cleaning cupreous articles. C. J. Snyder and W. G. MacLelland. 2,608,980, Sept. 2.
Cleaning equipment, Sanitary. E. B. Young. 2,595,743, May 6.
Cleaning furs. N. Root. 2,591,663, Apr. 8.
Cleaning glass forming molds. T. H. Beech. 2,619,436, Nov. 25.
Cleaning hot-dip tin-plate. P. N. Murphy. 2,601,863, July 1.
Cleaning machine, Power agitated parts. E. L. Chadwick. 2,592,857, Apr. 15.

Cleaning mop holder. J. H. Gossmann. 2,614,280, Oct. 21.
Cleaning nose boards on Axminster looms, Method and means for. A. Lamb. 2,622,625, Dec. 23.
Cleaning of manufactured jewelry parts. J. V. Lorea and T. F. O'Rourke. 2,612,898, Oct. 7.
Cleaning porous media. C. R. Stewart. 2,617,719, Nov. 11.
Cleaning shrimp. S. A. Paoli. 2,594,205, Apr. 22.
Cleaning surfaces. W. C. Uhri. 2,605,596, Aug. 5.
Cleaning worked magnesium articles. H. K. de Long. 2,607,739, Aug. 19.
Cleanser-saving holding device. F. Bisignano. 2,607,156, Aug. 19.
Cleansing apparatus, Hand. L. C. Stuckey. 2,616,095, Nov. 4.
Cleansing composition. J. W. Arkis and D. I. Walker. 2,607,741, Aug. 19.
Cleansing device for rock drills. W. A. Morrison. 2,614,535, Oct. 21.
Cleansing method. E. Domingo. 2,600,221, June 10.
Cleansing tissue dispenser. S. P. Drees. 2,592,255, Apr. 8.
Clear aqueous solutions of oleaginous compositions. C. J. Kern, T. Antoshkiw, and M. R. Malese. 2,583,576, Jan. 29.
Clearance indicating arm. G. S. Adolfson. 2,584,777, Feb. 5.
Clearance pocket type compressor piston. W. R. Barrett. 2,596,004, May 6.
Cleat feeding mechanism. D. G. Kingsley and C. J. MacNamara. 2,599,460, June 3.
Climbing and sliding apparatus. R. B. Harding. 2,620,185, Dec. 2.
Climbing attachment for skis. E. Lapointe. 2,595,586, May 6.
Clinker cooler. J. Narsted. 2,598,931, June 3.
Clinker cooling. E. Posselt. 2,609,149, Sept. 2.
Clinometer. F. V. Bell. 2,611,188, Sept. 23.
Clip: *See*—
Alignment clip.
Badge clip.
Ear clip.
Fastener clip.
Film clip.
Gasket clip.
Golf club holding clip.
Deformable sheet metal fastening clip.
Hair clip.
Hose clip.
Hose holding clip.
Knitting needle clip.
Metallic door frame securing clip.
Molding clip.
Money clip.
Nose clip.
Paper clip.
Paper receiving and holding clip.
Partition supporting clip.
Pen clip.
Plasterboard clip.
Reinforcing clip.
Spring clip.
Spring supporting clip.
Stamped metal assembly clip.
Supporting clip.
Tenter clip.
Variable size molding fastener clip.
Wallet clip.
Windshield wiper attaching clip.
Clip. G. H. Buckner. 2,622,604, Dec. 23.
Clip. J. L. Ward. 2,599,303, June 3.
Clip. R. L. Yeardley. 2,614,305, Oct. 21.
Clip clinching machine. G. R. Reed. 2,612,933, Oct. 7.
Clip, fastener, and the like. C. W. Barclay. 2,619,309, Nov. 25.
Clip for attaching fishermen's spinners. L. Boucher. 2,618,830, Nov. 25.
Clip for attaching moldings. J. L. Brack. 2,604,680, July 29.
Clip for attaching trim objects. L. H. Flora. 2,598,776, June 3.
Clip for clothes racks. M. Maccaferri. 2,583,784, Jan. 29.
Clip for curtain rods, Resilient. R. C. Clark. 2,602,978, July 15.
Clip for garments or the like. R. L. Rank. 2,598,600, May 27.
Clip for holding electrical conducting wires to insulating supports. L. Johnson. 2,585,249, Feb. 12.
Clip for idler rolls, Hold-down. S. J. Spurgeon. 2,586,270, Feb. 19.
Clip for retaining hubcaps to wheels, Resilient. C. O. Slemmons. 2,605,530, Aug. 5.
Clip forming and applying machine. B. Heilman and A. Lenart. 2,621,326, Dec. 16.
Clip forming and applying machine. A. Lenart and B. Heilman. 2,614,254, Oct. 21.
Clip forming and applying machine. A. Lenart and B. Heilman. 2,617,098, Nov. 11.
Clip retaining means for Garand rifles. R. G. Wallenhorst. 2,594,237, Apr. 22
Clip retaining pocket attachment. W. Albro. 2,616,138, Nov. 4.
Clip storing and dispensing device. H. W. Kruse. 2,611,674, Sept. 23.
Clip support for toothbrushes, Adjustable. N. A. Oscher. 2,593,913, Apr. 22.
Clip with bendable legs. W. Schafroth. 2,586,388, Feb. 19.
Clipper. O. J. Sundstrand. 2,618,851, Nov. 25.
Clipper and comb assembly, Hair. A. Giorgi. 2,617,188, Nov. 11.
Clipper and electric motor therefor. J. W. Boerger. 2,586,415, Feb. 19.
Clipper, Hair. W. A. Sneed. 2,603,865, July 22.
Clipper, Hedge. J. L. James. 2,607,113, Aug. 19.
Cloche. H. T. L. Loftus-Tottenham and W. J. Coster. 2,603,036, July 15.
Clock. A. F. Alexander. 2,583,037, Jan. 22.
Clock. G. R. Smyth. 2,600,081, June 10.
Clock, Advertising display. C. Gabrielsen. 2,586,641, Feb. 19.
Clock, Alternating current. P. M. Blough. 2,616,240, Nov. 4.
Clock, Bowling time. M. L. Wickstrom. 2,584,374, Feb. 5.
Clock controlled cigarette case. F. J. Hanna. 2,618,956, Nov. 25.
Clock, Electric alarm. W. P. Gallagher. 2,586,642, Feb. 19.
Clock, Electric alarm. A. B. Poole. 2,587,890, Mar. 4.
Closed feed system for boilers. H. Hillier. 2,619,327, Nov. 25.
Clock, Fountain. G. A. Crockett. 2,594,877, Apr. 29.
Clock, Gravity motor. M. Fleischer. 2,606,611, Aug. 12.
Clock mechanism and parts for the assembly thereof. J. Mayer. 2,595,157, Apr. 29.
Clock, Perpetual calendar. G. Kellner. 2,595,467, May 6.
Clock, Radio. C. Punzmann. 2,596,790, May 13.
Clock setting mechanism. M. Weber. 2,594,106, Apr. 22.
Clock, Speaking. D. Delgado. 2,604,752, July 29.
Clock, Sustained power electric. O. H. Dicke. 2,591,054, Apr. 1.
Clock, Time computing and recording. B. P. Wood. 2,598,331, May 27.
Clock train periodic switch. A. Moutinho. 2,614,183, Oct. 14.
Clock, Twenty-four-hour alarm. H. D. Parks. 2,583,794, Jan. 29.
Clock, Universal and ordinary. R. Ferrari. 2,615,298, Oct. 28.
Clod crusher. R. R. Quillen. 2,595,812, May 6.
Clod crushing roller. C. H. Krengel. 2,582,872, Jan. 15.
Close coupling for motorized pumps. F. C. Byram. 2,598,758, June 3.
Close-nesting snap retainer for Venetian blinds. B. Walker. 2,591,750, Apr. 8.
Close woven cellulose fabrics by dissolving terylene support yarn, Production of. B. P. Ridge. 2,607,656, Aug. 19.
Closed cycle air turbine power plant having direct and indirect heat exchangers. A. T. Bowden. 2,621,481, Dec. 16.
Closed electric furnace. A. H. Ingelsrud. 2,592,517, Apr. 8.
Closed fluid-operated free-pump system with three concentric tubings. C. J. Coberly. 2,589,669, Mar. 18.
Closed fluid-operated free-pump system with three parallel tubings. C. J. Coberly. 2,589,671, Mar. 18.
Closed fluid-operated free-pump system with two parallel tubings, one of which encloses a third tubing. C. J. Coberly. 2,589,670, Mar. 18.
Closed fluid-operated free-pump system with two parallel tubings within a third tubing. C. J. Coberly. 2,589,672, Mar. 18.
Closed system hydraulic pump. C. J. Coberly. 2,593,729, Apr. 22.
Closed top side door. J. F. Drake. 2,618,548, Nov. 18.
Closing device for paper bags. A. Bossart. 2,596,923, May 13.
Closure. M. H. Best and C. B. Le Bon, III. 2,619,205, Nov. 25.
Closure. T. F. E. Fuchslocher. 2,605,939, Aug. 5.
Closure. M. P. Laurent. 2,582,997, Jan. 22.
Closure. R. G. Miller. 2,609,117, Sept. 2.
Closure. N. P. Otaño. 2,595,877, May 6.
Closure. J. P. Pinder. 2,622,759, Dec. 23.
Closure and closure operator for pit mounted auto lifts. H. N. Grushon. 2,588,518, Mar. 11.
Closure and closure operator for vehicle hoists. H. D. Smith. 2,593,209, Apr. 15.
Closure and fastener for threaded containers. P. W. Carpenter. 2,610,762, Sept. 16.
Closure and fastening means. S. P. Kinney and L. M. Hartwick. 2,592,431, Apr. 8.
Closure and frame construction. A. G. Dean. 2,613,406, Oct. 14.
Closure and mounting cap for hollow posts. H. A. Sollmann. 2,604,291, July 22.
Closure and seal therefor. J. W. Stufft. 2,612,286, Sept. 30.
Closure and support for bottles with locking means. R. W. Woodward. 2,601,353, June 24.
Closure appliance. G. Leventhal. 2,603,787, July 22.
Closure applying mechanism. S. D. Young. 2,615,608, Oct. 28.
Closure cap. W. J. Keith. 2,581,539, Jan. 8.
Closure cap for closing the outlet spout and key for opening the filling plug of a liquid container, Combined. S. S. Blumson. 2,609,970, Sept. 9.
Closure cap for liquid spray containers. R. Mellon. 2,586,687, Feb. 19.
Closure cap lining machine. C. Andrew and F. Waitkens. 2,598,028, May 27.
Closure check and retainer. H. M. Fredholm. 2,604,343, July 22.
Closure construction for metallic containers. J. R. Snyder. 2,612,284, Sept. 30.
Closure construction for refrigerator cabinets. H. W. Whitmore. 2,599,732, June 10.

Closure control device. C. W. Gray. 2,592,137, Apr. 8.
Closure device. B. C. Sepesy. 2,591,207, Apr. 1.
Closure device for containers. J. Ruetz. 2,595,000, Apr. 29.
Closure element for air ducts. D. H. Stroup. 2,599,075, June 3.
Closure fastener. C. L. Burgoyne. 2,588,356, Mar. 11.
Closure fastener for pressure vessels. F. J. Bilek. 2,603,381, July 15.
Closure fastening device. W. Dzus. 2,585,233, Feb. 12.
Closure flap folding and envelope stacking mechanism for envelope machines. V. E. Heywood. 2,612,088, Sept. 30.
Closure for collapsible dispensing tubes in the form of a pair of transversely swinging caps. N. Probstein. 2,604,231, July 22.
Closure for collapsible tubes opened by bringing a toothbrush into receiving position. W. F. Shannon. 2,589,152, Mar. 11.
Closure for collapsible tubes, with pressure-responsive, resiliently biased outlet element. R. A. Felburg. 2,607,513, Aug. 19.
Closure for container having a neck with a reduced outer portion and a bore, and seals for said bore and said reduced portion. M. Friedman. 2,582,026, Jan. 8.
Closure for containers. O. E. Boadway. 2,582,224, Jan. 15.
Closure for containers. E. A. Fuchs. 2,619,253, Nov. 25.
Closure for containers, Slitted resilient. J. M. Adams. 2,585,527, Feb. 12.
Closure for envelopes, Clasp type. G. H. Matthiesen. 2,594,050, Apr. 22.
Closure for exhaust pipes. C. H. Harmon and D. L. Fort. 2,585,548, Feb. 12.
Closure for fermentation vessels. J. Marek. 2,606,687, Aug. 12.
Closure for flexible tubes. J. J. Frank. 2,604,228, July 22.
Closure for flexible tubing. P. Sussenbach and C. J. Young. 2,601,568, June 24.
Closure for fluoroscope machine casing. H. Blatz. 2,601,361, June 24.
Closure for laundry, rubbish, and like chutes, Hand or foot operated. C. M. Wilkinson. 2,587,021, Feb. 26.
Closure for multicompartmented bottle with means for selectively dispensing from any one of said compartments. R. Roubicek. 2,581,713, Jan. 8.
Closure for open-top refrigerator cabinet. A. V. Frohnapel. 2,617,481, Nov. 11.
Closure for opened ends of wrapped bread loaves. V. D. Kissig. 2,622,760, Dec. 23.
Closure for openings in walls, Foldable. S. J. McCarthy. 2,616,497, Nov. 4.
Closure for ovens. T. E. Phares. 2,605,759, Aug. 5.
Closure for paint cans. M. D. McCauley. 2,585,334, Feb. 12.
Closure for paper receptacles. B. W. Gammon. 2,586,931, Feb. 26.
Closure for pressure vessels. T. B. Harris. 2,601,936, July 1.
Closure for pressurized fuel tanks and the like. T. F. Donovan. 2,597,576, May 20.
Closure for table cigarette lighters. S. G. Lipic, F. F. Boyle, and L. S. Lyon. 2,589,011, Mar. 11.
Closure for tanks containing battery cells. C. H. O. Lübeck. 2,585,564, Feb. 12.
Closure for waterproof garments. L. E. E. Gossner. 2,602,208, July 8.
Closure frame. H. A. Prew. 2,620,084, Dec. 2.
Closure guard for coin boxes. A. M. Gordon and W. E. Straubel. 2,598,533, May 27.
Closure joint. M. P. Laurent. 2,582,995, Jan. 22.
Closure lining machine. E. Powers. 2,608,177, Aug. 26.
Closure lock mounting arrangement. D. N. and R. S. Jewett. 2,601,775, July 1.
Closure means for car couplers. W. J. Metzger. 2,614,716, Oct. 21.
Closure means for chamber wall opening with fluid pressure gas escape prevention means. J. Fletcher, B. H. Miller, and E. H. Selnick. 2,622,549, Dec. 23.
Closure means for child's garment. V. L. Stephenson. 2,580,969, Jan. 1.
Closure means for cigarette or cigar lighters. I. Florman. 2,618,953, Nov. 25.
Closure means for grain car doorways. B. H., E. J. and M. J. Ford. 2,599,443, June 3.
Closure means for pressure cookers. W. A. Welden. 2,614,723, Oct. 21.
Closure means for super freezer doors. J. V. Jamison, Jr. 2,612,372, Sept. 30.
Closure mechanism for pressure vessels. A. O. Riordan. 2,584,500, Feb. 5.
Closure member. N. Zepelovitch. 2,583,460, Jan. 22.
Closure operating means. R. S. Hartman. 2,585,122, Feb. 12.
Closure operating mechanism. L. E. Soderquist. 2,601,566, June 24.
Closure operator. A. J. Cote. 2,613,928, Oct. 14.
Closure operator. C. A. Williams. 2,614,836, Oct. 21.
Closure plug and coaxial apertured sealing cap for containers. W. R. J. Jacobsohn. 2,619,265, Nov. 25.
Closure seal for vacuum vessels. E. Schwarz. 2,604,229, July 22.
Closet drier. E. B. Hudson. 2,604,572, July 22.
Closet flange and test cap. F. F. Sosaya. 2,596,182, May 13.
Cloth finishing machine and hydraulic driving apparatus therefor. T. A. Dourdeville. 2,618,954, Nov. 25.
Cloth handling and transferring means. E. S. Beard. 2,619,347, Nov. 25.
Cloth marking machine. E. F. Smith. 2,582,854, Jan. 15.
Cloth material spreader. W. E. La Pedus. 2,592,437, Apr. 8.
Cloth notching device. E. C. Weksel. 2,608,758, Sept. 2.
Cloth roll control mechanism. A. E. Zabriskie and W. E. Lundgren. 2,589,524, Mar. 18.
Cloth splitting machine. F. R. Piper and J. M. Gardner. 2,606,614, Aug. 12.
Cloth texturing apparatus. D. E. Mulholland. 2,617,170, Nov. 11.
Clothesbasket. D. H. Bitney. 2,585,428, Feb. 12.
Clothes carrier with removable bag. W. G. Persinger. 2,607,552, Aug. 19.
Clothes catching attachment for ironing boards. A. J. Blumenshien. 2,620,577, Dec. 9.
Clothes drier. A. R. Constantine. 2,590,295, Mar. 25.
Clothes drier. A. R. Constantine. 2,600,210, June 10.
Clothes drier. P. E. Geldhof and H. E. Morrison. 2,619,737, Dec. 2.
Clothes drier. A. W. Lundstrum. 2,597,115, May 20.
Clothes drier and airer. S. Hodges. 2,622,180, Dec. 16.
Clothes drier device. O. Bubls. 2,600,725, June 17.
Clothes drying rack. R. N. Hanson. 2,595,521, May 6.
Clothes hanger. J. F. Barnes. 2,595,442, May 6.
Clothes hanger. B. Burns. 2,586,913, Feb 26.
Clothes hanger. C. H. MacSpadden. 2,596,576, May 13.
Clothes hanger. C. Mallett. 2,623,666, Dec. 30.
Clothes hanger. J. R. McKinney. 2,594,966, Apr. 29.
Clothes hanger. I. Scott-Dalgleish. 2,589,737, Mar. 18.
Clothes hanger. B. R. Suydam. 2,617,565, Nov. 11.
Clothes hanger. F. E. Tripp. 2,615,580, Oct. 28.
Clothes hanger and compartment holder, Combined. V. Walton. 2,601,074, June 17.
Clothes hanger guard. K. Youngblood. 2,585,715, Feb. 12.
Clothes hanger holder. A. W. Sutton. 2,604,999, July 29.
Clothes hanger holder and carrier, Portable. S. Kaplan and L. Stark. 2,598,643, May 27.
Clothes hanger shoulder shield and hook, Combined. S. D. Mallory. 2,601,442, June 24.
Clothesline. G. H. Sebade. 2,595,817, May 6.
Clothesline adjuster. L. A. Becker. 2,590,919, Apr. 1.
Clothesline and clothespin combination. N. E. Fazenbaker. 2,602,550, July 8.
Clothesline and fastening device, Combination. P. Weaver. 2,609,105, Sept. 2.
Clothesline connector and tightener. D. M. Mackenzie. 2,597,351, May 20.
Clothesline container. E. Moe. 2,615,582, Oct. 28.
Clothesline hoist. T. R. Foster. 2,591,416, Apr. 1.
Clothesline manipulator. W. D. Waddell. 2,599,081, June 3.
Clothesline prop. U. S. Gravelle. 2,602,624, July 8.
Clothesline prop. S. O. Orthwin. 2,618,455, Nov. 18.
Clothesline, pulley, and clothespin, Combined. M. Esposito. 2,586,632, Feb. 19.
Clothesline reel. C. S. Shilling. 2,602,605, July 8.
Clothesline stretcher and elevator, Combined. T. F. Goodwin. 2,604,212, July 22.
Clothesline support. E. Coss. 2,584,186, Feb. 5.
Clothesline support. G. C. Curtz. 2,594,738, Apr. 29.
Clothesline support. E. E. Hansquine. 2,605,001, July 29.
Clothesline tensioning device. C. P. Green. 2,591,930, Apr. 8.
Clothesline tightener. C. R. Walters. 2,597,210, May 20.
Clothes peg. J. Hansen. 2,609,579, Sept. 9.
Clothespin. M. C. Becker. 2,600,091, June 10.
Clothespin. A. E. Linton and E. Tillinger. 2,615,221, Oct. 28.
Clothespin. C. A. Morgan. 2,590,881, Apr. 1.
Clothespin. J. M. Olsen. 2,591,596, Apr. 1.
Clothespin. J. Rinne. 2,618,034, Nov. 18.
Clothespin. N. J. Saunders. 2,593,201, Apr. 15.
Clothespin. D. C. Smith. 2,583,020, Jan. 22.
Clothespin. G. F. Sousa. 2,607,096, Aug. 19.
Clothespin holder. J. Levine. 2,591,169, Apr. 1.
Clothespin holder of apron type. N. K. Wallace. 2,592,087, Apr. 8.
Clothespin, Line-attached. W. C. Styles. 2,603,846, July 22.
Clothespin, Permanent. H. J. Andrade. 2,607,974, Aug. 26.
Clothespin, Plastic. J. B. Tegarty. 2,591,477, Apr. 1.
Clothes retainer apparatus. L. Peters. 2,616,133, Nov. 4.
Clothes stand. H. A. Fussell. 2,604,214, July 22.
Clothes washer and extractor, Combined. W. G. Landwier. 2,601,031, June 17.
Clothes-washing machine. R. R. Candor. 2,611,256, Sept. 23.
Clothes-washing machine. G. P. Castner. 2,596,980, May 20.
Clothes-washing machine. G. P. Castner. 2,612,767, Oct. 7.

Clothes-washing machine. G. P. Castner. 2,612,769, Oct. 7.
Clothes-washing machine. A. Ellersgaard. 2,591,143, Apr. 1.
Clothes-washing machine. C. D. Harrell. 2,597,793, May 20.
Clothes-washing machine with diaphragm squeezer extractor. G. P. Castner. 2,612,768, Oct. 7.
Clubfoot splint. W. H. Morgan. 2,585,342, Feb. 12.
Clutch: *See*—
Automatic reversing clutch.
Bi-directional magnetic fluid clutch.
Blocker type clutch.
Cam engaged clutch.
Centrifugal clutch.
Centrifugal-electric clutch.
Claw clutch.
Combination spring-loaded and overcenter clutch.
Constant speed clutch.
Definite position release type clutch.
Disk clutch.
Electric clutch.
Electromagnetic clutch.
Fan drive clutch.
Flexible pin clutch.
Fluid actuated clutch.
Fluid engaged and spring released clutch.
Fluid magnetic clutch.
Fluid operated clutch.
Fluid pressure actuated clutch.
Friction and positive clutch.
Friction clutch.
Friction type clutch.
High-speed magnetic fluid clutch.
Impact type clutch.
Magnetic clutch.
Magnetic fluid mixture clutch.
Magnetic type one-way clutch.
Mechanical clutch.
Multiple friction clutch.
One-way clutch.
Over center cam engaged clutch.
Overload released clutch.
Pneumatic clutch.
Power actuated overload release clutch.
Radially movable piston type clutch.
Reversible roller type clutch.
Reversible type roller clutch.
Roller device impact clutch.
Shift-lever controlled automotive clutch.
Sprag type clutch.
Sprag type one-way clutch.
Sprag type overrunning clutch.
Spring type clutch.
Synchronized centrifugal clutch.
Synchronized centrifugal pawl clutch.
Synchronizer clutch.
Transversely movable piston type clutch.
Two-way torque-limiting clutch.
V groove pulley centrifugal clutch.
Clutch. R. A. Beckwith. 2,610,717, Sept. 16.
Clutch actuating device. W. O. Bechman and P. F. Richardson. 2,621,538, Dec. 16.
Clutch and bearing, Combined overrunning. H. H. Turner. 2,598,864, June 3.
Clutch and brake device. K. L. Darrah and F. O. Fridell. 2,619,206, Nov. 25.
Clutch and brake for a servo mechanism. F. E. Edwards, Jr. 2,595,190, Apr. 29.
Clutch and brake for electric transmitters. E. P. Turner. 2,597,685, May 20.
Clutch and brake for grinding apparatus. R. E. Allen and W. F. Utzinger. 2,585,365, Feb. 12.
Clutch and brake for marine reverse gears. G. Walter. 2,587,015, Feb. 26.
Clutch and brake for motor drives. W. H. Lewin. 2,589,830, Mar. 18.
Clutch and brake for power presses. M. A. Davoust. 2,606,637, Aug. 12.
Clutch and brake for steering vehicles. R. G. Le Tourneau. 2,615,542, Oct. 28.
Clutch and brake, Friction. R. C. Clerk. 2,623,619, Dec. 30.
Clutch and brake mechanism for motor vehicles, Dual control. R. B. Sprinkel, H. D. Umstott, and H. E. Knight, Jr. 2,589,975, Mar. 18.
Clutch and brake servo mechanism, Electromagnetic. R. J. Herst and S. H. Petry. 2,594,775, Apr. 29.
Clutch and pulley, Combined. P. F. Koch. 2,615,343, Oct. 28.
Clutch and selecting mechanism for movable parts. G. X. Lens. 2,623,404, Dec. 30.
Clutch and transmission operating mechanism. E. R. Price. 2,605,874, Aug. 5.
Clutch assembly. H. V. Reed. 2,601,912, July 1.
Clutch assembly for drawworks. S. W. Long. 2,594,666, Apr. 29.
Clutch assembly for presses. P. H. and G. I. Danly, and V. Georgeff. 2,581,637, Jan. 8.
Clutch assembly for search receivers, Automatic selector. J. F. Curran. 2,590,844, Apr. 1.
Clutch brake. C. A. Cook. 2,590,089, Mar. 25.
Clutch-brake mechanism. K. M. Feiertag. 2,612,248, Sept. 30.
Clutch brake motor. H. B. Fuge. 2,617,051, Nov. 4.
Clutch construction. R. Lapsley. 2,603,326, July 15.
Clutch control. D. W. Kelbel. 2,592,576, Apr. 15.
Clutch control. T. H. Thomas. 2,612,869, Oct. 7.
Clutch control apparatus. H. C. Rowand. 2,591,201, Apr. 1.
Clutch control, Hand-operated. A. T. Onsrud. 2,618,168, Nov. 18.
Clutch control mechanism. R. E. Boyden and E. P. Drake. 2,609,145, Sept. 2.
Clutch control mechanism. C. M. Eason. 2,585,234, Feb. 12.
Clutch control mechanism. S. L. Janowski. 2,612,973, Oct. 7.
Clutch control mechanism. E. E. Prather. 2,601,626, June 24.
Clutch control mechanism. E. E. Prather. 2,605,872–3, Aug. 5.
Clutch control mechanism. E. R. Price. 2,587,524, Feb. 26.
Clutch control mechanism. H. W. Price. 2,589,628, Mar. 18.
Clutch control mechanism. T. H. Thomas. 2,609,899, Sept. 9.
Clutch control mechanism. T. H. Thomas. 2,609,905, Sept. 9.
Clutch control mechanism. T. H. Thomas, E. E. Hupp, and W. R. Williams. 2,616,536, Nov. 4.
Clutch control mechanism. R. H. Wheeler. 2,589,649, Mar. 18.
Clutch device. E. Barany. 2,585,725, Feb. 12.
Clutch driven plate. A. R. Narrin. 2,584,906, Feb. 5.
Clutch driven plate. R. C. Zeidler. 2,618,369, Nov. 18.
Clutch finger tool. L. L. Erwin. 2,599,982, June 10.
Clutch for hoisting drums, Fluid. R. R. Whitehill. 2,591,325, Apr. 1.
Clutch for machines, One revolution. R. M. Ford. 2,586,460, Feb. 19.
Clutch for oscillating fans. G. J. Reisch and W. K. Skolfield. 2,597,034, May 20.
Clutch for power transmission, Positive. J. B. Polomski and G. Karos. 2,613,781, Oct. 14.
Clutch for propellers, Slip. E. C. Kiekhaefer. 2,605,850, Aug. 5.
Clutch for reels. P. R. Powell. 2,622,821, Dec. 23.
Clutch for reversing gear mechanism, Multiple. C. P. Pepper. 2,603,324, July 15.
Clutch lever assembly. R. C. Zeidler. 2,583,621, Jan. 29.
Clutch means for phonograph records. E. H. Guboff. 2,592,026, Apr. 8.
Clutch mechanism. P. Garnier. 2,609,903, Sept. 9.
Clutch mechanism. E. J. Hauber. 2,604,788, July 29.
Clutch mechanism. E. T. J. Tapp and J. Davey. 2,591,635, Apr. 1.
Clutch mechanism, Fluid cushioned. G. F. Wales. 2,621,480, Dec. 16.
Clutch mechanism for circular knitting machines. C. V. Roper. 2,582,164, Jan. 8.
Clutch mechanism for physician's examination tables, Foot-operated. S. S. Spielberg. 2,588,174, Mar. 4.
Clutch mechanism for rod weeder attachments. L. O. Fundingsland. 2,603,137, July 15.
Clutch mechanism, Friction. C. D. Stone. 2,620,910, Dec. 9.
Clutch mechanism, Latch type. W. H. Bradley. 2,589,665, Mar. 18.
Clutch mechanism of circular knitting machines. G. Palmer and S. E. Carver. 2,608,075, Aug. 26.
Clutch operating mechanism. H. N. Stephan. 2,583,065, Jan. 22.
Clutch operator. C. Bretschneider. 2,621,524, Dec. 16.
Clutch or brake, Flexible plate. H. W. Cardwell and E. R. Johnson. 2,621,768–9, Dec. 16.
Clutch or brake with flexible backing disks. H. W. Cardwell and E. R. Johnson. 2,619,212, Nov. 25.
Clutch or coupling, Vane type hydraulic. F. H. Milford. 2,613,779, Oct. 14.
Clutch plate. G. I. Goodwin. 2,587,837, Mar. 4.
Clutch plate. H. Nutt and H. V. Reed. 2,589,508, Mar. 18.
Clutch plate, Compressible. A. R. Narrin. 2,596,588, May 13.
Clutch plate with vibration dampner. L. F. Mohns. 2,613,785, Oct. 14.
Clutch release attachment for tractor. C. C. Thiem. 2,596,618, May 13.
Clutch tripping mechanism. T. H. Seely. 2,595,418, May 6.
Clutch type friction catch. H. Lyon. 2,607,949, Aug. 26.
Clutch with a magnetic lining, Magnetic. A. Winther. 2,580,869, Jan. 1.
Clutch with plow, Magnetic fluid mixture. M. P. Winther and R. L. Jaeschke. 2,604,964, July 29.
Clutch with removable lining. A. O. Kutz. 2,588,985, Mar. 11.
Clutch with spring supported pressure plate, Friction. W. V. Thelander. 2,589,308, Mar. 18.
Clutched driving means for tools. R. E. Gearhart. 2,607,253, Aug. 19.
Coagulating aqueous dispersions of polytetrafluoroethylene. J. F. Lontz. 2,593,583, Apr. 22.
Coagulating asbestos. S. E. Eaton and C. G. Harford. 2,593,125, Apr. 15.
Coagulating colloidal lignates in aqueous dispersions. J. J. Kellen, Jr., F. J. Ball, and R. W. Gressang. 2,623,040, Dec. 23.
Coagulating polyvanadic acid salts. T. S. Perrin. 2,614,905, Oct. 21.
Coagulation of synthetic latices and recovery of emulsifying agents therefrom. W. W. Crouch and L. A. Mitchell. 2,604,467, July 22.
Coagulation of synthetic rubber latices. J. W. Adams. 2,607,753, Aug. 19.
Coagulation-resistant cream style corn and preparing the same. R. A. Whitmore and F. D. Hickey. 2,592,988, Apr. 15.

Coal and the like. F. Carlsson and E. A. Eklund. 2,621,151, Dec. 9.
Coal breaking mechanism, Percussion. E. C. Allen. 2,608,400, Aug. 26.
Coal cleaning machine. J. Amour. 2,604,990, July 29.
Coal cutting and loading machine. H. G. Lewis. 2,595,398, May 6.
Coal delivery truck and depositing conveyor. S. J. Bruno. 2,589,988, Mar. 18.
Coal drier. R. G. Baughman. 2,619,739, Dec. 2.
Coal drill bit. A. T. Jones and C. A. Newport. 2,614,814, Oct. 21.
Coal fired combustion chamber with regenerator tubes on either side within the turbine exhaust duct. J. I. Yellott. 2,583,920, Jan. 29.
Coal mining machine. F. Cartlidge. 2,619,340, Nov. 25.
Coal mining machine. F. A. Lindgren. 2,619,338, Nov. 25.
Coaster. R. M. Layne. 2,595,961, May 6.
Coaster. W. A. McGrew. 2,601,312, June 24.
Coaster, Absorbent. E. B. Davis. 2,608,074, Aug. 26.
Coaster and holder therefor, Picnic. O. A. Bladow. 2,623,633, Dec. 30.
Coaster brake for velocipedes. W. J. Campbell. 2,613,763, Oct. 14.
Coaster type holder. E. R. Egger. 2,617,540, Nov. 11.
Coat. W. J. Lutz. 2,586,676, Feb. 19.
Coat, Adjustable length fur. L. Strauch. 2,622,247, Dec. 23.
Coat hanger. A. O. Mackey. 2,587,743, Mar. 4.
Coat hanger cover. T. Sasaki. 2,622,775, Dec. 23.
Coat-tree for passenger vehicles. C. B. Hay. 2,589,611, Mar. 18.
Coated abrasive article and making. L. R. Nestor. 2,609,284, Sept. 2.
Coated abrasive article and making the same. F. J. Tone and H. C. Martin. 2,595,733, May 6.
Coated base, the coating being in macrocrystalline form and composed of normally solid film forming material and trioxane. P. Arcidiacono. 2,584,657, Feb. 5.
Coated composite refractory body. C. G. Goetzel. 2,612,442, Sept. 30.
Coated ferromagnetic core element. F. H. Gusdorf. 2,598,371, May 27.
Coated granular explosive composition. C. D. Goodale. 2,615,800, Oct. 28.
Coated welding rod. P. C. van der Willigen. 2,623,147, Dec. 23.
Coating aluminum with zinc, Method and composition for. S. Helman. 2,580,773, Jan. 1.
Coating and cooking frankfurters. G. J. and R. J. Wright. 2,585,364, Feb. 12.
Coating and shaping dispenser for building tapes. M. E. Smith and S. D. Berg. 2,623,497, Dec. 30.
Coating and treating a pile fabric to set the fibers in the upstanding position. W. S. Libbey. 2,590,713, Mar. 25.
Coating apparatus, Electrostatic. W. R. Blood and J. W. Moore. 2,604,870, July 29.
Coating composition and the vehicle therefor containing a compound of a clay and an onium base. G. L. Ratcliffe. 2,622,987, Dec. 23.
Coating composition, Coating. composition composed of nitrogen-phosphorus compound with an aldehyde resin together with water-soluble alkyd resin. M. L. Nielsen, R. W. Arnold and E. C. Chapin. 2,596,938, May 13.
Coating composition containing polyethylene and wax and paper coated therewith. J. B. Hyde. 2,582,037, Jan. 8.
Coating composition, Rain repellent. T. P. May and O. D. Shreve. 2,605,192, July 29.
Coating compositions. P. E. Marling. 2,617,776, Nov. 11.
Coating compositions. I. Weber. 2,600,593, June 17.
Coating compositions and preparation thereof. J. C. Zola. 2,591,904, Apr. 8.
Coating compositions containing a drying oil-modified menthane derivative. L. M. Geiger. 2,588,821, Mar. 11.
Coating compositions containing a synthetic resin and a liquid propellant. R. H. Lutz. 2,617,780, Nov. 11.
Coating compositions containing aluminum alcoholates as driers. H. W. Chatfield. 2,613,162, Oct. 7.
Coating compositions containing ethers of catechol type of tanning agent, Surface. K. P. Monroe. 2,582,500, Jan. 15.
Coating compositions containing petroleum resins. L. Pritzker. 2,596,101, May 13.
Coating compositions for floors and the like. T. J. Bagley. 2,623,026, Dec. 23.
Coating device. A. Sprung. 2,616,367, Nov. 4.
Coating electron emissive cathodes. W. P. Toorks. 2,613,164, Oct. 7.
Coating especially metallic articles with an ancient green patina. M. Quadrio. 2,587,216, Feb. 26.
Coating feed mechanism for gate rolls. H. B. Richmond and R. W. Mortensen. 2,604,067, July 22.
Coating fluorescent lamps. E. F. Lowry and A. Y. Mace. 2,607,706, Aug. 19.
Coating foods with pectinate or pectate films. H. S. Owens and T. H. Schultz. 2,611,708, Sept. 23.
Coating fragile objects made from hydrated alginate or hydrocolloid materials. D. N. Lawrence. 2,623,913, Dec. 30.
Coating head. S. B. Grimson. 2,598,908, June 3.
Coating machine. J. Ettl. 2,581,848, Jan. 8.
Coating machine for applying dry particulate material. J. A. Paasche. 2,602,418, July 8.
Coating machine for coating flexible sheets. W. T. Snyder. 2,614,522, Oct. 21.
Coating mineral granules. C. Grove. 2,591,149, Apr. 1.
Coating paper. W. H. Barrett and B. K. Asdell. 2,582,407, Jan. 15.
Coating surfaces chiefly of zinc, Method of and solution for. H. K. Ward. 2,591,479, Apr. 1.
Coating surfaces with cementitious material. W. G. and W. D. Brown. 2,618,576, Nov. 18.
Coating vehicle bodies, Method and apparatus for. J. H. C. Halls. 2,598,163, May 27.
Coating vitreous substances. G. B. Watkins and R. A. Gaiser. 2,596,515, May 13.
Coating wire with lime, Method and apparatus for. C. R. Chase and G. L. Bliss. 2,610,926, Sept. 16.
Coatings for insulation board. J. K. Wise. 2,581,058, Jan. 1.
Coaxial cable coupling. A. H. Waite, Jr. 2,615,953, Oct. 28.
Coaxial combustion products generator and turbine with cooling means. A. Papini. 2,618,120, Nov. 18.
Coaxial line support. E. T. Jaynes. 2,603,707, July 15.
Coaxial relay. C. F. Miller and C. J. Murphy. 2,584,901, Feb. 5.
Coaxial socket contact. T. W. Hecking. 2,615,949, Oct. 28.
Coaxial termination for noise diodes. M. W. P. Strandberg. 2,581,819, Jan. 8.
Coaxial transmission line spacing assembly. L. A. Bondon. 2,589,328, Mar. 18.
Cobalt chloride humidity indicator. P. B. Davis. 2,580,737, Jan. 1.
Cock. P. P. Honegger. 2,582,631, Jan. 15.
Cocking mechanism for shotguns. M. Paulvé. 2,603,021, July 15.
Cocoa processing and products. E. K. Pettibone. 2,590,646, Mar. 25.
Coconut. C. W. Kaufman and C. B. de Maya. 2,615,812, Oct. 28.
Coconut oil, Producing. A. L. Sodergreen. 2,583,022, Jan. 22.
Cockpit for aircraft, Detachable pilot's. C. W. Prower and T. G. Guppy. 2,591,867, Apr. 8.
Cocktail glass cooler and method. R. S. Tice. 2,587,075, Feb. 26.
Cocktail shaker. P. Meshberg. 2,589,415, Mar. 18.
Code converter. A. Snijders. 2,620,395, Dec. 2.
Code converter. H. C. A. W. van Duuren. 2,603,705, July 15.
Code detecting means. A. L. Jerome. 2,607,001, Aug. 12.
Code marking device for labels. E. E. Pohl. 2,594,679, Apr. 29.
Code printsng attachment for tape dispensing machines. J. G. McKay. 2,613,598, Oct. 14.
Code signal transmission system. C. Reverchon. 2,594,071, Apr. 22.
Coded track circuit signaling system with improved feedback code circuits. A. L. Jerome. 2,594,652, Apr. 29.
Coder for pulse code modulation. R. L. Carbrey. 2,602,158, July 1.
Coder for pulse code modulation systems. F. Gray. 2,617,980–1, Nov. 11.
Coding device. H. E. Wirth. 2,581,461, Jan. 8.
Codispersions of polytetrafluoroethylene and hydrous oxides. C. K. Ikeda. 2,592,147, Apr. 8.
Coercing means for gyroscopes. W. W. Bursack. 2,600,476, June 17.
Coffee brewer. J. R. Campbell. 2,604,031, July 22.
Coffee brewer and valve structure employed therein, Automatic. H. A. and C. O. C. Olson. 2,617,352, Nov. 11.
Coffee brewing. P. L. Spencer. 2,601,067, June 17.
Coffee-brewing apparatus. J. H. Crate. 2,622,504, Dec. 23.
Coffee cream package. J. E. Snyder and B. J. Avant. 2,622,986, Dec. 23.
Coffee dispenser. J. L. Campbell. 2,588,960, Mar. 11.
Coffee drink, Package. W. A. Heyman. 2,620,276, Dec. 2.
Coffee maker. L. Burgess. 2,589,221–2, Mar. 18.
Coffee maker. L. Burgess. 2,589,335–6, Mar. 18.
Coffee maker. L. Burgess. 2,591,132, Apr. 1.
Coffee maker. R. R. Perkins. 2,616,654, Nov. 4.
Coffee maker. H. H. Schott. 2,619,895, Dec. 2.
Coffee maker, Percolator. A. E. Rudahl. 2,583,279, Jan. 22.
Coffee maker, Stemless. F. M. and J. A. Varney. 2,621,581, Dec. 16.
Coffee maker, Stemless vacuum. F. M. and J. A. Varney. 2,621,582, Dec. 16.
Coffee maker, Vented. J. C. Columbus. 2,606,490, Aug. 12.
Coffee making and dispensing apparatus, Automatic. D. F. Swanson. 2,613,588, Oct. 14.
Coffee roasting apparatus, Smokeless. E. Chalupa. 2,593,983, Apr. 22.
Cofferdam. S. Perkins. 2,596,788, May 13.
Cogelation of silica and alumina sols at pH 3.5–6.5. M. Den Herder and L. Heard. 2,595,339, May 6.
Coil conveying apparatus. C. Field. 2,622,822, Dec. 23.
Coil cradle. F. Koch. 2,622,816, Dec. 23.
Coil for boilers with vertical sections, Indirectly heated. A. J. Donohue. 2,614,542, Oct. 21.

Coil for differential heat-treatment. F. S. Denneen and W. C. Dunn. 2,620,433, Dec. 2.
Coil for testing material, Expansible. J. C. Bender. 2,622,125, Dec. 16.
Coil grinding equipment. W. K. Lowe. 2,612,730, Oct. 7.
Coil packaging. J. W. Adams. 2,596,970, May 20.
Coil pickup, Multiple. C. W. and R. W. McKee. 2,594,332, Apr. 29.
Coil spring and coil spring assembly, including the support for such springs. B. Lermont. 2,609,192, Sept. 2.
Coil spring producing machine. W. E. Wunderlich. 2,604,202, July 22.
Coil winding apparatus. J. La Cesa. 2,609,103, Sept. 2.
Coil winding reel assembly. E. H. Laycock. 2,614,588, Oct. 21.
Coiled and withdrawal string for tampons. F. P. Parish. 2,587,515, Feb. 26.
Coiled strip of electrical terminals. Q. Berg. 2,604,986, July 29.
Coiled wire for use in antiskid pneumatic tire treads, Making. P. E. Hawkinson. 2,600,534, June 17.
Coiler drum for rolling mills and the like. J. F. Ferm. 2,586,527, Feb. 19.
Coiling article attached string. F. P. Parish. 2,584,913, Feb. 5.
Coiling device and attachment for drill presses or the like. E. T. Oliver. 2,584,154, Feb. 5.
Coiling filamentary articles, Method of and apparatus for. G. E. Henning and C. J. O'Leary. 2,605,052, July 29.
Coiling machine. C. O. Kirchner. 2,614,606, Oct. 21.
Coin actuated control mechanism. V. G. Smith. 2,604,966, July 29.
Coin-actuated control switch. W. J. Summers. 2,599,953, June 10.
Coin-actuated time-control mechanism. E. A. Miller. 2,586,549, Feb. 19.
Coin attachment for coin-controlled locks, Multiple. H. L. Helmel. 2,603,335, July 15.
Coin bank slot structure. F. W. Bower. 2,620,128, Dec. 2.
Coin box. H. L. Nelisen and M. J. Feis. 2,604,975, July 29.
Coin box. W. J. Thornley. 2,618,436, Nov. 18.
Coin box for coin-operated machines. F. B. Anderson. 2,604,259, July 22.
Coin changer. F. E. Wallin. 2,581,502, Jan. 8.
Coin chute mechanism. D. C. Rockola. 2,611,468, Sept. 23.
Coin collection and registering apparatus. C. V. Richey. 2,603,333, July 15.
Coin collector. G. H. Hale. 2,620,971, Dec. 9.
Coin collector, Telephone. L. J. J. Schreiber and G. X. Lens. 2,610,253, Sept. 9.
Coin computing device for coin-controlled apparatus. H. J. Dolman. 2,606,639, Aug. 12.
Coin computing device for coin-controlled vending machines. H. J. Dolman. 2,615,545, Oct. 28.
Coin control. S. May. 2,581,681, Jan. 8.
Coin-controlled apparatus. A. G. Rowe. 2,591,968, Apr. 8.
Coin controlled change maker. H. B. Stuart. 2,600,443, June 17.
Coin controlled credit mechanism. H. M. Merrill. 2,621,770, Dec. 16.
Coin-controlled credit system. R. L. Armor and H. I. Winslow. 2,623,621, Dec. 30.
Coin controlled fluid dispensing apparatus. V. W. West. 2,610,722, Sept. 16.
Coin-controlled lock. T. F. Curran. 2,603,334, July 15.
Coin-controlled machine for issuing folders. C. A. Frick. 2,596,230, May 13.
Coin-controlled mechanism for merchandise dispensing devices. R. F. Paulson and S. B. Palmer. 2,596,430, May 13.
Coin-controlled unit for slot machines. C. M. Frost. 2,580,906, Jan. 1.
Coin counter. H. H. McGee. 2,621,665, Dec. 16.
Coin-counting and wrapping device. G. O. Ewart. 2,590,241, Mar. 25.
Coin credit mechanisms and circuits. M. G. Nelsen. 2,586,173, Feb. 19.
Coin dispenser. M. F. Arnett. 2,587,809, Mar. 4.
Coin dispenser. J. S. Gassaway. 2,594,907, Apr. 29.
Coin evaluator, Electric multiple. F. E. Wallin. 2,586,129, Feb. 19.
Coin handling apparatus. R. F. Broussard and H. J. Miller. 2,613,871, Oct. 14.
Coin handling apparatus. R. F. Broussard and L. D. Sollenberger. 2,613,792, Oct. 14.
Coin handling means for coin controlled vending machines. G. P. Booth and L. M. Smith. 2,614,675, Oct. 21.
Coin holder for use on automobiles. D. Wade and H. Dahl. 2,616,554, Nov. 4.
Coin meter with reset switch cam. H. Greenwald. 2,583,333, Jan. 22.
Coin or token discharge mechanism for mailable record magazines. F. Krahulec. 2,593,572, Apr. 22.
Coin purse and the like. D. H. June. 2,612,200, Sept. 30.
Coin refill mechanism. E. E. York. 2,618,280, Nov. 18.
Coin released skill game apparatus. C. A. Frick. 2,581,644, Jan. 8.
Coin selector. R. J. Donohue. 2,583,258, Jan. 22.
Coin selector. W. Patzer. 2,607,461, Aug. 19.
Coin selector. S. D. Polsen and S. H. Nelson. 2,580,590, Jan. 1.
Coin selector, Electrical. B. A. Andrews. 2,589,214, Mar. 18.
Coin selector, Multiple. R. M. Foushee and J. Gottfried. 2,588,510, Mar. 11.
Coin separator for fare boxes. S. Siernos. 2,595,713, May 6.
Coin storing and dispensing device. H. C. Biehl. 2,600,961, June 17.
Coin switch. J. J. Toolan and A. E. Reiman. 2,594,826, Apr. 29.
Coin tube and opener therefor. G. A. Hale. 2,599,912, June 10.
Coin water meter. F. van der Plas. 2,591,029, Apr. 1.
Coin wrapping aid. W. A. Schwalbe. 2,612,739, Oct. 7.
Coin wrapping and counting machine. S. K. Iverson. 2,604,743, July 29.
Coin wrapping device. H. Smathers. 2,608,810, Sept. 2.
Coin wrapping device. H. A. Smathers. 2,620,109, Dec. 2.
Coincidence circuit. R. E. Bell. 2,610,303, Sept. 9.
Coincidence circuit. L. F. Wouters. 2,617,042, Nov. 4.
Coincidence timing system. L. R. Fink. 2,602,140, July 1.
Coke and like screening machine. F. J. and E. West. 2,612,264, Sept. 30.
Coke oven buckstay structure. F. W. Dobson. 2,582,238, Jan. 15.
Coke oven door machine. O. M. Tweit. 2,588,060, Mar. 4.
Coke oven with regenerator flow control. F. Robert. 2,623,846, Dec. 30.
Coke stoker with oscillatable clinker breaker. C. E. Shaffer. 2,601,333, June 24.
Coking coal. E. Berl. 2,591,496, Apr. 1.
Coking of carbonaceous fuels. W. A. Rex. 2,608,526, Aug. 26.
Colander for extracting juices and the like, Kitchen. C. Konrath. 2,595,469, May 6.
Cold air retaining device for refrigerators. G. T. Kuchler. 2,585,136, Feb. 12.
Cold cathode discharge device. P. W. Stutsman. 2,591,474, Apr. 1.
Cold cathode gas filled amplifier tube. J. H. Coleman. 2,616,986, Nov. 4.
Cold cathode gaseous discharge device. C. J. Craft, 3rd. 2,593,109, Apr. 15.
Cold cathode gaseous discharge device. G. H. Hough. 2,604,602, July 22.
Cold cathode tube. J. E. McLinden, Jr. 2,604,603, July 22.
Cold drawing sheet metal. F. J. Whitney, Jr. 2,613,626, Oct. 14.
Cold header. J. H. Friedman. 2,599,053, June 3.
Cold pressure welding. A. B. Sowter. 2,608,887, Sept. 2.
Cold process transfer coating compositions. G. Walton. 2,598,332, May 27.
Cold-setting resinous cements. F. R. Himsworth and H. Hughes. 2,592,034, Apr. 8.
Cold swelling starch process. C. J. Yarber. 2,590,912, Apr. 1.
Cold water dispersible starch product and preparing the same. W. W. Pigman, R. W. Kerr, and N. F. Schink. 2,609,326, Sept. 2.
Collagenous materials, Preparation of. T. P. Sulo and D. F. Waugh. 2,598,608, May 27.
Collapsible and concealable reading rack. S. J. Stayboldt. 2,584,101, Jan. 29.
Collapsible barrier. M. I. Weinberg. 2,600,712, June 17.
Collapsible box. J. E. Whitley. 2,583,015, Jan. 29.
Collapsible building. D. D. Arehart and R. T. Dittmer. 2,611,454, Sept. 23.
Collapsible cabinet. L. Cummings. 2,583,931, Jan. 29.
Collapsible cabinet. P. L. Du Boff and T. H. Dooley. 2,600,050, June 10.
Collapsible chair. G. J. Thomas. 2,615,500, Oct. 28.
Collapsible clothes hanger. P. C. Keutzer. 2,618,392, Nov. 18.
Collapsible commode chair. H. A. Everest and H. C. Jennings. 2,592,405, Apr. 8.
Collapsible container. M. M. Cunningham. 2,612,924, Oct. 7.
Collapsible container. V. and J. Di Mauro, and G. De George. 2,612,926, Oct. 7.
Collapsible container. M. Sloane. 2,600,439, June 17.
Collapsible containers, Making. M. M. Cunningham. 2,613,169, Oct. 7.
Collapsible copy holder. S. Sattler. 2,599,784, June 10.
Collapsible curtain hanger. S. Ruskin. 2,602,506, July 8.
Collapsible dispensing rack. A. H. C. Trepte. 2,605,071, July 29.
Collapsible display stand. G. R. Elde. 2,582,243, Jan. 15.
Collapsible garment hanger. T. L. Varker. 2,595,026, Apr. 29.
Collapsible interlocking extensible table. A. Duffy. 2,596,663, May 13.
Collapsible last. A. W. McNeill. 2,601,687, July 1.
Collapsible line support. O. P. Wicks. 2,595,183, Apr. 29.
Collapsible luggage carrier. J. R. Forman. 2,602,675, July 8.
Collapsible or knockdown portable horse. J. Hasselbring. 2,602,008, July 1.
Collapsible saw frame. H. A. Magnussen and E. Johansen. 2,593,323, Apr. 15.
Collapsible sheet metal bottle carrier. E. N. Castle. 2,584,787, Feb. 5.
Collapsible stand. W. C. Ellis. 2,598,983, June 3.
Collapsible stand. R. L. Stover. 2,621,802, Dec. 16.

Collapsible steel chair. C. T. Carlson. 2,606,597, Aug. 12.
Collapsible step display stand. C. A. Decker and P. S. Scaturro. 2,584,849, Feb. 5.
Collapsible table. M. P. Exline and C. L. Ruhl. 2,591,797, Apr. 8.
Collapsible thread feeding appliance for sewing machines. R. Picciano and I. Abramowitz. 2,610,599, Sept. 16.
Collapsible tractor tow bar. C. B. Dillon. 2,601,992, July 1.
Collapsible tubing. W. E. Rejeski. 2,592,335, Apr. 8.
Collapsible tuning indicator for wireless sets. J. C. A. Recourt and C. B. Los. 2,618,236, Nov. 18.
Collapsible V-belt mold. J. F. Campbell. 2,586,300, Feb. 19.
Collapsible wall type expansion engine. J. R. Averill. 2,581,830, Jan. 8.
Collar. J. D. Ditson. 2,602,365, July 8.
Collar and cravat, Combination. J. G. Helm. 2,598,539, May 27.
Collar assembly for shirts. J. W. Less. 2,587,491, Feb. 26.
Collar, Cat. W. J. Collins. 2,612,139, Sept. 30.
Collar decapper applying machine. R. E. Reardon. 2,607,106, Aug. 19.
Collar for drill steels, Reaming. J. Alger. 2,607,561, Aug. 19.
Collar for shirts or the like, Convertible. S. G. Payne. 2,604,628, July 29.
Collar locating and tool operating device. C. E. Whitney. 2,613,746, Oct. 14.
Collar pin with control means. A. Dovica. 2,581,580, Jan. 8.
Collar point stay. J. F. Florkewicz. 2,620,481, Dec. 9.
Collar pressing apparatus. W. J. Asher. 2,619,268, Nov. 25.
Collar pressing apparatus. M. T. Voigt. 2,619,267, Nov. 25.
Collar protector and support. M. S. Strasser. 2,605,941, Aug. 5.
Collar, Shirt. J. W. Less. 2,612,644, Oct. 7.
Collar stay. W. M. Sarff. 2,615,167, Oct. 28.
Collar stay. C. C. Wilm. 2,599,421, June 3.
Collar supporting attachment for coat hangers. A. S. and J. A. Burk. 2,609,976. Sept. 9.
Collating machine. D. L. Harrison. 2,587,843, Mar. 4.
Collating machine. L. C. Pearce. 2,589,428, Mar. 18.
Collating writing board. R. Connor. 2,598,358, May 27.
Collator. N. G. Hernblad. 2,599,829, June 10.
Collecting mechanism for cigarettes and other rod-shaped articles. D. W. Molins, F. F. Ruau, S. A. Nichols, N. W. Jackson, and H. Williams. 2,603,395, July 15.
Collector or power take-off plug for bus bar duct systems. H. J. Hammerly, C. B. Turton and R. A. Salomone. 2,611,801, Sept. 23.
Collector ring mount. J. R. Moorehead and R. S. Reinhold. 2,608,819, Sept. 2.
Collet. J. R. Cox. 2,595,828, May 6.
Collet. G. O. Gridley. 2,615,721, Oct. 28.
Collet. D. H. Montgomery. 2,619,357, Nov. 25.
Collet chuck. B. Denzler. 2,585,747, Feb. 12.
Collet chuck. E. L. Devis and C. E. Unkefer. 2,592,794, Apr. 15.
Collet chuck apparatus. I. J. Ziegler. 2,621,938, Dec. 16.
Collet chuck for fishing pole handles. J. Goergen. 2,583,831, Jan. 29.
Collet feed mechanism for automatic cutting machines. O. Amiet. 2,583,314, Jan. 22.
Collet or chuck. R. C. Wiard. 2,602,672, July 8.
Collet plug. D. H. Montgomery. 2,608,414, Aug. 26.
Collet, Self-tightening. A. J. Richert. 2,603,496, July 15.
Collocating device and using same. H. Johnson. 2,605,921, Aug. 5.
Collocating printing member. C. V. Capers. 2,609,613, Sept. 9.
Colloidal barium sulfate, Preparation of. H. L. Sanders. 2,597,384, May 20.
Colloidal sulfur. S. C. Carney. 2,586,914, Feb. 26.
Color control for electric bread toasters. H. L. Olson and R. A. Miller. 2,609,473, Sept. 2.
Color control for television systems. K. Schlesinger. 2,623,942, Dec. 30.
Color control system. G. L. Fernsler. 2,586,635, Feb. 19.
Color correction gauge. G. Mattucci. 2,597,658, May 20.
Color correction masks in multilayer photographs, Production of. G. B. Harrison and R. R. Robinson. 2,606,116, Aug. 5.
Color density analyzer. J. M. Hall. 2,608,125, Aug. 26.
Color for duplicating ink, Spirit-soluble. B. F. Skiles. 2,586,570, Feb. 19.
Color forming development with an aromatic primary amino developer and α-[4-sulfophenylazo]-acetoacet-2-4-dichloroanilide. N. Helmbach. 2,584,349, Feb. 5.
Color matching apparatus. N. F. Barnes. 2,602,368, July 8.
Color photographic images, Production of. J. J. Jennen. 2,619,419, Nov. 25.
Color photography. J. H. Coote and K. M. Hornsby. 2,592,864, Apr. 15.
Color photography method, Combination. W. E. Pohl. 2,586,378, Feb. 19.
Color-picture. P. Schwarz. 2,611,817, Sept. 23.
Color picture transmission and reproduction. H. Carlson. 2,598,504, May 27.
Color reproduction system. Y. L. Delbord. 2,617,877, Nov. 11.
Color scanning system. R. D. Kell. 2,621,245, Dec. 9.
Color scope. C. A. Wendel. 2,583,676, Jan. 29.
Color separation. W. C. Huebner. 2,614,042, Oct. 14.
Color separation negative. V. C. Hall and W. W. Moe. 2,605,348, July 29.
Color stable gasoline composition. B. R. Strickland. 2,608,476, Aug. 26.
Color stabilized N,N'-di-(sec.-butyl)-p-phenylenediamine. C. B. Biswell. 2,615,919, Oct. 28.
Color television. V. D. Landon. 2,594,567, Apr. 29.
Color television by multielement glow lamp screen. P. M. G. Toulon. 2,595,617, May 6.
Color television image reproducing system. G. C. Sziklai. 2,587,074, Feb. 26.
Color television image tube. S. V. Forgue. 2,590,764, Mar. 25.
Color television light divider. G. L. Dimmick and M. E. Widdop. 2,589,930, Mar. 18.
Color television pickup system. F. J. Darke, Jr. 2,615,974, Oct. 28.
Color television pickup tube. S. V. Forgue. 2,614,235, Oct. 14.
Color television picture tube. D. A. Jenny. 2,611,099, Sept. 16.
Color television picture tube. M. Rosenberg and J. A. Rajchman. 2,584,814, Feb. 5.
Color television receiving system. G. C. Sziklai. 2,615,975, Oct. 28.
Color television recording apparatus. E. B. Hales. 2,600,868, June 17.
Color television registration system. V. D. Landon. 2,621,244, Dec. 9.
Color television reproduction tube. D. A. Jenny. 2,581,487, Jan. 8.
Color television synchronizing. J. W. Christensen. 2,618,701, Nov. 18.
Color television system. A. Rose. 2,615,976, Oct. 28.
Color television tube and process. J. Bramley. 2,606,303, Aug. 5.
Color television with reduced band width. R. C. Mathes. 2,580,685, Jan. 1.
Color temperature and exposure meter. W. H. Harrison. 2,585,245, Feb. 12.
Color temperature meter and spectrometer. F. F. Crandell. 2,587,602, Mar. 4.
Coloration of sheet materials. J. Allan and H. F. Oxley. 2,606,854, Aug. 12.
Colored aluminum, Making. C. M. Rice. 2,614,912, Oct. 21.
Colored glass fiber product and producing the same. J. H. Waggoner. 2,593,817–18, Apr. 22.
Colored images, Production of. L. R. Koller and F. E. Williams. 2,590,018, Mar. 18.
Colored photographic images, Manufacture of. B. Gaspar and P. D. Dreyfuss. 2,616,806, Nov. 4.
Colored photographic layer. J. J. Jennen. 2,611,698, Sept. 23.
Coloring agent for plastic materials. B. T. Hensgen. 2,610,917, Sept. 16.
Coloring amine aldehyde resin molding compositions. B. Love. 2,623,028, Dec. 23.
Coloring and packaging margarine and coloring composition therefor. L. C. Brown. 2,607,697, Aug. 19.
Coloring appliance for preformed pictures in reverse. E. W. Rotolo. 2,618,077, Nov. 18.
Coloring eggs, Method and composition for. H. F. Kamp. 2,593,566, Apr. 22.
Coloring glass fibers. L. P. Biefeld. 2,582,919, Jan. 15.
Coloring process for nylon. N. A. Armitage and J. Henderson. 2,623,834, Dec. 30.
Colorless amino-2-thiazole, Making. M. J. L. Crauland. 2,600,620, June 17.
Colostomy apparatus. N. Ginsburg. 2,595,934, May 6.
Colostomy appliance. D. W. Walls. 2,583,718, Jan. 29.
Colostomy belt. T. J. and F. C. Adams. 2,618,265, Nov. 18.
Colostomy belt. P. M. O'Meara. 2,622,599, Dec. 23.
Colostomy container guard. H. E. Smith. 2,593,211, Apr. 15.
Colostomy device. T. R. Baxter. 2,581,319, Jan. 1.
Colostomy guard. H. E. Smith. 2,593,210, Apr. 15.
Colostomy irrigator. N. A. Pappas. 2,616,425, Nov. 4.
Colostomy pouch. I. E. Botvin and T. Torman. 2,584,540, Feb. 5.
Column apparatus. C. B. Schnelble. 2,596,104-6, May 13.
Column form, Adjustable. T. Sato. 2,582,168, Jan. 8.
Column supporting and elevating structure for optical instruments. A. A. Gradisar. 2,621,559, Dec. 16.
Columnar selection carriage. T. O. Mehan and G. J. Uhlig. 2,597,162, May 20.
Comb. R. T. Auclair. 2,605,773, Aug. 5.
Comb. K. E. and J. I. Boissoneau. 2,595,049, Apr. 29.
Comb. W. H. Cartheuser. 2,596,207, May 13.
Comb. J. T. Harris. 2,614,569, Oct. 21.
Comb. J. W. Kaye. 2,584,467, Feb. 5.
Comb. M. Lupo. 2,616,435, Nov. 4.
Comb. L. W. Shields. 2,596,296, May 13.
Comb. W. S. Suprowich. 2,597,200, May 20.

Comb. J. Zerbo. 2,589,469, Mar. 18.
Comb and brush, Combination. W. Hertzberg. 2,617,432, Nov. 11.
Comb and brush, Combined. G. P. Fuentes. 2,610,637, Sept. 16.
Comb and liquid disperser, Combination. O. A. Braun. 2,591,125, Apr. 1.
Comb, Barber's. H. E. Mandato. 2,613,678, Oct. 14.
Comb, Clamp. J. E. Shrosbree. 2,583,893, Jan. 29.
Comb cleaner embodying a casing and spring retracted flexible element. F. E. Hummel. 2,592,145, Apr. 8.
Comb cleaning device. H. Sand. 2,593,200, Apr. 15.
Comb, Compartment. W. J. Martino. 2,608,979, Sept. 2.
Comb, Compartment. W. J. Martino. 2,612,175, Sept. 30.
Comb-cylinder clearing arrangement in combing machines. K. Strässler. 2,583,281, Jan. 22.
Comb, Doffer. E. W. Smith. 2,604,669, July 29.
Comb, Electrical. S. R. Nord, Jr., and C. B. Brostedt. 2,590,447, Mar. 25.
Comb, Finger. M. A. Shannon. 2,608,975, Sept. 2.
Comb, Folding. G. C. Hamparson, F. C. Keller, and D. E. Nichols. 2,618,276, Nov. 18.
Comb for hair clippers. A. Giorgi. 2,618,060, Nov. 18.
Comb, Fountain. R. E. Dixon. 2,582,533, Jan. 15.
Comb, Fountain. C. E. Neal and E. H. McCain. 2,607,355, Aug. 19.
Comb, Fountain hairdressing. E. Jefferson. 2,603,223, July 15.
Comb guard for electric shavers. I. Jepson. 2,608,756, Sept. 2.
Comb, Hair. H. J. Lovegrove. 2,599,115, June 3.
Comb, Haircutting. C. A. Charbeneau. 2,610,392, Sept. 16.
Comb, Haircutting. R. P. M. Davis. Re. 23,505, May 27.
Comb, Loom. F. D. Izquierdo. 2,603,242, July 15.
Comb, Pocket. J. N. Jamo. 2,584,462, Feb. 5.
Comb, Receptacle. J. Lattuca. 2,585,561, Feb. 12.
Comb, Self-cleaning. L. K. Franklin. 2,610,638, Sept. 16.
Comb ventilator for tobacco barns. G. S. Horne. 2,610,569, Sept. 16.
Comber. J. S. Dudley and C. D. Brandt. 2,593,017, Apr. 15.
Comber half-lap. J. C. Wilson and R. Ferguson. 2,605,512, Aug. 5.
Combing and cutting implement. E. MacGregor. 2,613,477, Oct. 14.
Combination apparatus for liquid fuel. G. Bernhard. 2,585,081, Feb. 12.
Combination article of furniture. M. C. Jones. 2,622,249, Dec. 23.
Combination automatic clutch and variable-speed transmission. F. F. Braman. 2,585,732, Feb. 12.
Combination beverage and meat case. L. Walker. 2,618,128, Nov. 18.
Combination cabinet. W. Engel. 2,614,018, Oct. 14.
Combination check and block valve. C. O. Mefford and G. D. Massey. 12,584,900, Feb. 5.
Combination child's and adult's chair. A. J. Zoranovich. 2,605 815, Aug. 5.
Combination coat and trousers hanger. C. Tyler. 2,620,951, Dec. 9
Combination coupling and governor for producing axial movement. C. Hollerith. 2,584,703, Feb. 5.
Combination dish. G. A. Lyon. 2,619,816, Dec. 2.
Combination disk and impact grinding mill. J. L. Neenan. 2,580,579, Jan. 1.
Combination duplex collapsible container and dispensing means. T. W. Snaith. 2,589,743, Mar. 18.
Combination faucet. F. Pena. 2,589,857, Mar. 18.
Combination fishing rod support. N. Kimura. 2,618,090, Nov. 18.
Combination hassock table. H. T. Kirshbaum. 2,582,703, Jan. 15.
Combination hat and coat rack. J. P. Riblet. 2,614,702, Oct. 21.
Combination high and low pressure absorption process. A. J. Miller. 2,608,516, Aug. 26.
Combination hinge and latch means for gates or the like. J. R. De Barbe. 2,593,545, Apr. 22.
Combination jacket trouser, and tie hanger. R. Waldman. 2,596,745, May 13.
Combination juice extracting machine. J. Winson. 2,610,574, Sept. 16.
Combination light distributor and wiring conduit for elongated tubular lamps. M. H. Kruger. Re. 23,485, Apr. 29.
Combination loading device and hoist for banana bunches. R. M. Winslow. 2,614,704, Oct. 21.
Combination lock. C. J. Amo. 2,584,655, Feb. 5.
Combination lock. H. C. Behrens and A. L. Abbott. 2,601,774, July 1.
Combination lock. G. E. Berry and G. C. Ridings. 2,611,259, Sept. 23.
Combination lock. O. A. Hage. 2,621,509, Dec. 16.
Combination lock. M. E. Juillard. 2,595,267, May 6.
Combination lock. J. H. Porché. 2,621,508, Dec. 16.
Combination main and pilot valve. A. L. Miller and R. V. Giertz. 2,616,494, Nov. 4.
Combination neutral pressure point adjuster and draft diverter. C. B. Lockhart. 2,611,361, Sept. 23.
Combination nut running and setting tool. E. H. Shaff. 2,614,419, Oct. 21.
Combination of magnetic and disk playback apparatus. H. Kappeler. 2,602,600, July 8.
Combination of printing plate, card, and cover. L. E. Vogt. 2,623,463, Dec. 30.
Combination offset and straight internal bore gauge. A. Elsele. 2,581,473, Jan. 8.
Combination oil and gas burner. C. C. Young. 2,621,716, Dec. 16.
Combination or key operable door lock. S. Pelle. 2,580,830, Jan. 1.
Combination package. N. T. Naranick. 2,584,040, Jan. 29
Combination package. R. O. Tardiff. 2,617,577, Nov. 11.
Combination photographic and magnetic sound film picture projector. E. E. Masterson. 2,605,364, July 29.
Combination pie pan and juice retainer ring. M. P. Deming. 2,595,059, Apr. 29.
Combination pocket toilet article. C. E. Ulrich. 2,587,550, Feb. 26.
Combination process for the catalytic hydrodesulfurization and reforming of hydrocarbon mixtures. H. M. Stine. 2,580,478, Jan. 1.
Combination propelling and pickup handle for vacuum cleaners. H. S. Barnhart. 2,600,608, June 17.
Combination pulverizing and classifying machine. N. H. Andrews. 2,605,971, Aug. 5.
Combination quick freeze and refrigerator cabinet. W. Kennedy. 2,618,936, Nov. 25.
Combination releasable locking device. E. O. Woods. 2,580,495, Jan. 1.
Combination second detector, noise limiter, and gain control circuit. K. R. Wendt and G. C. Szikiai. 2,585,883, Feb. 12.
Combination service and outlet box. H. L. Lais. 2,603,546, July 15.
Combination spark-plug plug. W. T. Tierney, Jr., and C. W. Davis, Jr. 2,591,025, Apr. 1.
Combination spinning and casting fishing reel. P. V. McCush. 2,621,869, Dec. 16.
Combination spot and trouble light. C. Simons. 2,611,834, Sept. 23.
Combination spotting board stand, vacuum control, and condensing chamber. G. C. Shoop and F. G. Hoover. 2,602,315, July 8.
Combination spring-loaded and overcenter clutch. R. A. Carlson. 2,613,777, Oct. 14.
Combination staking tool. G. O. Martin. 2,613,434, Oct. 14.
Combination tool. B. Frazier. 2,584,568, Feb. 5.
Combination tool. W. N. Schultz. 2,609,962, Sept. 9.
Combination weld cleaning and chipping tool. J. W. Bowers. 2,592,648, Apr. 15.
Combination window. O. J. Niquette. 2,615,711, Oct. 28.
Combination work positioning and holding tool for layout and light finishing of work. H. Fuhr. 2,589,489, Mar. 18.
Combine and transport dolly therefor. M. J. Bohnenblust. 2,599,366, June 3.
Combine hitch. H. W. Frantz and K. M. Engebretson. 2,594,632, Apr. 29.
Combined amplitude and frequency discriminatory automatic gain control. A. V. Bedford. 2,586,760, Feb. 19.
Combined angular velocity and pulse modulation system. G. Guanella and P. Guttinger. 2,583,484, Jan. 22.
Combined arc welding electrode holder and high-frequency generator. W. A. Appleton. 2,612,582, Sept. 30.
Combined boring and turning tool. A. F. Pekrul. 2,590,068, Mar. 18.
Combined carrying and studying case. S. M. Abbott. 2,585,209, Feb. 12.
Combined carrying case and stand. M. C. Johnson. 2,607,649, Aug. 19.
Combined chalk-line box and plumb bob. R. K. Landon and J. R. Thomson. 2,589,500, Mar. 18.
Combined closure and dispensing applicator for collapsible tubes. J. B. Tegarty. 2,589,206, Mar. 11.
Combined confection and whistle. D. Brody. 2,617,324, Nov. 11.
Combined electric hot water heater, flue, and chimney unit. W. L. Shepheard. 2,620,431, Dec. 2.
Combined electron microscope and diffraction, Method and apparatus for. M. J. Columbe. 2,606,292, Aug. 5.
Combined facsimile transmitting and receiving equipment. L. G. Pollard. 2,584,398, Feb. 5.
Combined fractionation heating and liquid level control means. J. T. Cahill and G. W. Jandlacek. 2,598,036, May 27.
Combined heat exchange system and auxiliary power plant for internal - combustion engines. C. H. Block. 2,581,747, Jan. 8.
Combined heating element and thermomotive device for cooking devices or toasters. M. W. Loomer. 2,590,334, Mar. 25.
Combined line finder final selector circuit. R. M. M. Oberman. 2,612,564, Sept. 30.
Combined liquid and food lunch container. F. A. Sarg. 2,604,976, July 29.
Combined magnetic and manual switch. W. G. Bourne. 2,611,843, Sept. 23.
Combined magnetic transducer head and output transformer. H. A. Howell. 2,591,070, Apr. 1.
Combined manual and automatic window regulator. K. Rath. 2,621,540, Dec. 16.

Combined slidable jaw wire cutting and holding tool. J. H. McGaughey. 2,615,181, Oct. 28.
Combined stencil and inking pads, Making. F. R. Wallich. 2,581,153, Jan. 1.
Combined starter control and belt tightener for internal-combustion engines. R. J. Jackson. 2,603,974, July 22.
Combined stool and fishing rod support. A. A. Andrews. 2,607,398, Aug. 19.
Combined table and drawing easel. L. L. Westcamp. 2,607,646, Aug. 19.
Combined tabulator and summary punch. F. A. Shultz, F. C. Gressel, O. J. Hobb, and G. H. Kroeger. 2,590,047, Mar. 18.
Combined television and sound system. G. L. Fredendall and A. C. Schroeder. 2,590,306, Mar. 25.
Combined tension-compression testing apparatus. W. J. Goodfriend. 2,612,041, Sept. 30.
Combined transmission. O. K. Kelley. 2,606,460, Aug. 12.
Combined tucker and orienting mechanism for snap fastener attaching machines. R. R. Clarke. 2,588,486, Mar. 11.
Combined vehicle headlighting and turn illuminating system. G. H. Coulter. 2,611,857, Sept. 23.
Combining measuring circuit. H. E. Darling. 2,590,946, Apr. 1.
Combustible core for forming ducts in concrete structures. Warner F. and Warren F. Wilhelm. 2,589,177, Mar. 11.
Combustible gas for use in internal-combustion engines, Making. D. E. Mackenzie and G. H. Wolfe. 2,594,468, Apr. 29.
Combustible gas, Manufacture of. W. W. Odell. 2,592,591, Apr. 15.
Combustible gas, Manufacture of. H. B. Pearson. 2,605,176–7, July 29.
Combustible gas analyzing apparatus. R. E. Hartline. 2,617,716, Nov. 11.
Combustible mixture comprising chloro silicon hydrides, Production of in the method of making finely divided silica. L. Spialter and C. A. MacKenzie. 2,614,906, Oct. 21.
Combusting finely divided low sintering temperature fuel, Method and apparatus for. D. Dalin and T. J. Hedbäck. 2,586,790, Feb. 26.
Combustion air feeding structure for oil-burning locomotives. V. Mansfield. 2,580,807, Jan. 1.
Combustion analysis apparatus. G. M. Dreher. 2,610,107, Sept. 9.
Combustion apparatus. G. Bernhard. 2,603,280, July 15.
Combustion apparatus having valve controlled passages for preheating the fuel-air mixture. G. J. Powter and P. Lloyd. 2,621,477, Dec. 16.
Combustion apparatus using compressed air. D. Aronson. 2,609,040, Sept. 2.
Combustion apparatus with vaned fuel injector means. M. L. Nathan. 2,618,928, Nov. 25.
Combustion catalyst compositions. R. R. Bottoms. 2,591,503, Apr. 1.
Combustion chamber for a gas turbine. K. Niehus. 2,617,255, Nov. 11.
Combustion chamber for diesel engines. E. Grieshaber. 2,607,326, Aug. 19.
Combustion chamber for domestic oil burners and the like. J. N. Hauck. 2,610,594, Sept. 16.
Combustion chamber for gas turbines and having flame tube mounting means allowing radial and axial expansion. A. A. Lombard. 2,615,300, Oct. 28.
Combustion chamber for gas turbines with circumferentially arranged pulverized solid fuel and air nozzles. F. T. Hague. 2,601,390, June 24.
Combustion chamber for internal-combustion engines. R. P. Pescara. 2,580,951, Jan. 1.
Combustion chamber for internal-combustion engines. H. Weslake. 2,622,579, Dec. 23.
Combustion chamber for prime movers. A. Huyton. 2,611,243, Sept. 23.
Combustion chamber having telescoping walls and corrugated spacers. E. F. Miller. 2,610,467, Sept. 16.
Combustion chamber jacket with alternate cooling passages of fuel and oxidizer. R. H. Goddard. 2,591,421, Apr. 1.
Combustion chamber of internal-combustion engines. J. H. Weaving. 2,617,400, Nov. 11.
Combustion chamber with air inlet means providing a plurality of concentric strata of varying velocities. F. C. Mock. 2,616,257, Nov. 4.
Combustion chamber with diverse air paths and vortices producing vanes therein for jet propulsion or gas turbine power plants. E. D. Brown. 2,603,949, July 22.
Combustion chamber with diverse combustion and diluent air paths. R. L. Hundstad. 2,588,728, Mar. 11.
Combustion chamber with multiple conical sections providing multiple air paths for gas turbines. S. B. Williams. 2,603,064, July 15.
Combustion chamber with sliding valve controlling fuel, air, and water admission. L. J. Geeraert. 2,608,058, Aug. 26.
Combustion control apparatus. D. M. Borden and P. T. Nims. 2,592,385, Apr. 8.
Combustion control system. P. S. Dickey. 2,623,698, Dec. 30.
Combustion engine cylinder head casing. G. Pielstick. 2,608,965, Sept. 2.
Combustion engine valve operating means. G. Pielstick. 2,610,617, Sept. 16.
Combustion space in injection motor engines. O. Petersen. 2,620,781, Dec. 9.
Combustion system for gas turbines with heat exchangers. A. T. Bowden. 2,622,395, Dec. 23.
Combustion turbine burner. H. A. Altorfer. 2,611,651, Sept. 23.
Combustion turbine system. J. L. Ray. 2,603,063, July 15.
Combustor for thermal power plants having toroidal flow path in primary mixing zone. A. J. Nerad. 2,601,000, June 17.
Commercial shelving. J. E. Bales and M. Monaco. 2,604,213, July 22.
Comminuted ferromagnetic cores. A. W. Friend and A. T. Harding. 2,597,236, May 20.
Comminuted meat product, Preparing a. W. E. Hauch. 2,600,765, June 17.
Comminuting apparatus. C. E. R. Vazieux and L. H. Prouteau. 2,620,138, Dec. 2.
Comminuting food products. J. L. Hendry, Jr. and R. R. Pederson. 2,583,697, Jan. 29.
Comminuting mill with means for lateral injection of fluid thereinto. H. Kronstad. 2,582,547, Jan. 15.
Comminutor. H. J. Meeker. 2,594,785, Apr. 29.
Commodity dispensing package and wrapper therefor. S. Rosen. 2,606,655, Aug. 12.
Commodity package. G. H. Harry. 2,598,373, May 27.
Communication system. A. W. Borsum and W. W. Brockway. 2,582,957, Jan. 22.
Communication system. G. K. Jensen and J. Benveniste. 2,580,431, Jan. 1.
Communication system. L. W. Parker. 2,589,285, Mar. 18.
Communication system. N. D. Preston. 2,597,818, May 20.
Communication system employing pulse code modulation. A. J. H. Oxford. 2,592,061, Apr. 8.
Communication system employing pulse code modulation. J. R. Pierce. Re. 23,579, Nov. 11.
Communication system line fault locating. W. H. B. Cooper. 2,611,041, Sept. 16.
Communication system, Two-way electric pulse. C. T. Scully. 2,597,038, May 20.
Communication system, Two-way facsimile. G. H. Ridings, F. G. Hallden, and F. L. Currie. 2,606,963, Aug. 12.
Commutator. N. Felici. 2,604,502, July 22.
Commutator and blank for forming same. J. Klym. 2,602,988, July 15.
Commutator assembling machine. E. H. Kroener. 2,585,792, Feb. 12.
Commutator for dynamoelectric machines. D. R. Meier. 2,600,312, June 10.
Commutator structure. R. M. Heintz. 2,606,221, Aug. 5.
Commutator testing and sorting device. R. C. Whelchel. 2,609,927, Sept. 9.
Commutator turning down machine and mica undercutter. D. J. Neal. 2,619,708, Dec. 2.
Commutators, Manufacturing. P. W. Nippert. 2,592,172, Apr. 8.
Compact. L. F. Anderson. 2,594,607, Apr. 29.
Compact. S. Kramer. 2,582,593, Jan. 15.
Compact holder with retractable brush. F. Spitalny. 2,604,648, July 29.
Compact, Illuminated. A. Ziuraitis. 2,598,153, May 27.
Compact, Lighted. G. Friedlund. 2,585,452, Feb. 12.
Compact, Powder box. A. C. Marcellus. 2,601,940, July 1.
Compact, Wrist watch. J. V. MacGillivary. 2,601,158, June 17.
Compacting press. H. G. Bell and J. D. Gay, Jr. 2,605,697, Aug. 5.
Compacting pulverized materials and product resulting therefrom. D. E. Marshall. 2,594,956, Apr. 29.
Compacting soap into sound bars. D. E. Marshall. 2,621,368, Dec. 16.
Compacting textile fibers, Method and apparatus for. L. E. Keene. 2,618,023, Nov. 18.
Comparator circuit for moving target indication radar systems. P. R. Bell, Jr., and D. Gale. 2,600,193, June 10.
Comparator for testing turbine blades and the like. R. O. Beardsley and J. A. Allan. 2,621,556, Dec. 16.
Comparing device. R. A. Rowley. 2,588,049, Mar. 4.
Comparing or measuring the constants of electric circuit elements. M. Mercier. 2,621,229, Dec. 9.
Comparison type densitometer. M. H. Sweet. 2,594,514, Apr. 29.
Compartment box partition. I. A. Deline. 2,587,706, Mar. 4.
Compartment lock. H. J. Feldman. 2,585,643, Feb. 12.
Compass. A. F. R. Cotton. 2,612,690, Oct 7.
Compass. F. De Cesaris. 2,582,585, Jan. 15.
Compass and charting device. R. E. Sweet. 2,618,856, Nov. 25.
Compass and ellipsograph, Combination. V. Debs. 2,607,118, Aug. 19.
Compass and the like. C. A. van Pappelendam. 2,588,780, Mar. 11.
Compass, Beam. H. A. Kroenlein. 2,582,488, Jan. 15.
Compass compensation. A. A. Stuart, Jr. 2,593,070, Apr. 15.

Compass controlled directional gyro. E. E. Lynch. 2,590,780, Mar. 25.
Compass correction system. T. O. McCarthy. 2,581,428, Jan. 8.
Compass device. W. F. Dvorak. 2,621,409, Dec. 16.
Compass, Earth induction. G. Minas. 2,620,570, Dec. 9.
Compass, Electron. W. L. and F. J. Kaehni. 2,587,481, Feb. 26.
Compass, Sun. E. O. Schonstedt. 2,612,693, Oct. 7.
Compass, Vehicle. A. G. Galbois. 2,594,148, Apr. 22.
Compensated amplitude discriminatory circuits. B. E. Denton. 2,611,821, Sept. 23.
Compensated control. W. A. Lee and J. B. Brightman. 2,603,069, July 15.
Compensated electron discharge measuring device. W. C. Elmore. 2,585,639, Feb. 12.
Compensated expansion joint. H. A. Altorfer. 2,616,255, Nov. 4.
Compensated gyro-vertical. F. D. Braddon. 2,620,669, Dec. 9.
Compensated potential device circuits. J. T. Carleton. 2,600,204, June 10.
Compensated thermocouple. S. F. Mulford. 2,612,779, Oct. 7.
Compensated thermopile. W. G. Fastie. 2,601,508, June 24.
Compensating bearing for cloth rolls of looms. H. L. Canup. 2,601,876, July 1.
Compensating brake cam follower. L. R. Buckendale. 2,592,536, Apr. 15.
Compensating device for a magnetic recording-reproducing head. M. Camras. 2,584,984, Feb. 12.
Compensating differential control mechanism. E. K. Rose and F. R. Prill. 2,591,011, Apr. 1.
Compensating means for variable inductances having magnetic cores. E. A. van Yzeren. 2,598,467, May 27.
Compensating presser device for sewing machines. H. Ritter. 2,611,333, Sept. 23.
Compensating spring take-up tension for bobbin change shuttles. C. H. Durham. 2,609,843, Sept. 9.
Compensator. R. A. Lee. 2,593,902, Apr. 22.
Compensator, Cable tension thermal. C. I. White, Jr., F. R. Young, R. A. Pederson and J. J. Rahn. 2,597,270, May 20.
Complex amine products with dialkyl zinc dithiocarbamates as pesticides. W. D. Stewart and J. H. Standen. 2,588,428, Mar. 11.
Complex ammonium salts and producing the same. F. J. Sowa and E. J. Kenney. 2,580,473, Jan. 1.
Complex chromium compounds of monoazo-dyestuffs. W. Widmer and A. Buehler. 2,610,175, Sept. 9.
Complex chromium compounds of 0,0'-dihydroxy azo dyestuffs. G. Schetty. 2,597,676, May 20.
Complex food composition containing nitrogen, phosphorus and calcium and products obtained, Manufacture of a. A. Pacault. 2,617,729, Nov. 11.
Complex soap greases. A. F. Sirianni and I. E. Puddington. 2,583,607, Jan. 29.
Component checking burner control apparatus. J. E. Lundberg. 2,619,161, Nov. 25.
Component resolver. E. Dawson. 2,602,587, July 8.
Composing harmonic continuities, Method of and apparatus for. A. H. Frisch. 2,619,867, Dec. 2.
Composite article and making same. W. J. Doelker, Jr., and J. M. Hildabolt. 2,600,220, June 10.
Composite articles, Manufacture of. H. Z. Gora. 2,593,668, Apr. 22.
Composite backing for mirrors. L. D. McGraw, C. L. Faust, and E. R. Mueller. 2,595,800, May 6.
Composite bifocal lens. S. and M. Clavé. 2,618,200, Nov. 18.
Composite cam and cam follower mechanism. R. L. Kenngott. 2,581,109, Jan. 1.
Composite detergent bar. D. E. Marshall. 2,613,185, Oct. 7.
Composite drain fitting. K. R. Marcussen. 2,583,300, Jan. 22.
Composite fabrics bonded together with polyvinyl chloride. H. Ewing and A. Mellor. 2,614,954, Oct. 21.
Composite fire door. H. W. Paul and E. C. Shuman. 2,593,050, Apr. 15.
Composite hollow internally cement-lined internally generally cylindrical object, Making a. E. L. Chappell. 2,598,972, June 3.
Composite laminated lacrosse stick. B. N. Frisch. 2,596,894, May 13.
Composite metal and wood chair back. J. S. Burdick. 2,602,493, July 8.
Composite photographic product comprising a photosensitive element and a container carrying a liquid for processing said element. E. H. Land. 2,609,296, Sept. 2.
Composite picture television. A. N. Goldsmith. 2,610,246, Sept. 9.
Composite pipe. J. B. Wagstaff. 2,614,585, Oct. 21.
Composite piston ring assembly. H. P. Phillips. 2,587,888, Mar. 4.
Composite pressure seal. J. R. Shields. 2,586,871, Feb. 26.
Composite solid carbon dioxide. C. L. Jones. 2,590,542, Mar. 25.
Composite structural member. T. F. Nichols. 2,601,910, July 1.
Composite sync dissector. R. P. Abbenhouse. 2,615,979, Oct. 28.
Composite wave plate for light. W. L. Bond. 2,607,272, Aug. 19.
Composition and method for testing biological fluids. R. M. Carson and R. R. Saeks. 2,608,533, Aug. 26.
Composition and process for blood adhesives. L. K. Fencil, E. F. Cavanaugh, and R. H. Borkenhagen. 2,620,280, Dec. 2.
Composition and process for coloring citrus fruit. G. J. Hausmann, B. S. Johnson, and C. W. McDermott. 2,582,868, Jan. 15.
Composition and process for finishing woolen textiles. G. L. Royer and C. A. Amick. 2,620,322, Dec. 2.
Composition comprising a thermosetting resin and a dihydroxy alkane containing 6-10 carbon atoms. T. J. Suen and A. M. Schiller. 2,615,003, Oct. 21.
Composition comprising diethyl phosphite and a copolymer of acrylonitrile. G. E. Ham. 2,595,847, May 6.
Composition comprising ethyl cellulose and a fatty oil acid modified alkyd resin. H. Burrell and P. M. Clark. 2,593,976, Apr. 22.
Composition consisting of polyvinyl alcohol and trimethylene glycol. A. M. Rohn. 2,594,498, Apr. 29.
Composition containing penicillin and an adjuvant of the general formula $R_1CH_2SO_2NHR_2$—COOH. J. M. Sprague and K. H. Beyer, Jr. 2,608,509, Aug. 26.
Composition fiber panels, Making. C. Blecko. 2,622,302, Dec. 23.
Composition for addition to cast iron or steel. J. Strauss and D. L. Edlund. 2,582,079, Jan. 8.
Composition for alleviation of the tobacco habit. C. J. Smith. 2,600,700, June 17.
Composition for and method of descaling metal parts. A. F. Holden. 2,601,864, July 1.
Composition for and method of producing coated cement surfaces and the product resulting therefrom. N. S. Greiner. 2,588,828, Mar. 11.
Composition for and method of sizing yarns. E. H. Rossin. 2,616,867, Nov. 4.
Composition for and methods of preserving the freshness of botanical products after severance thereof from living plants. C. L. Hamner. 2,614,039, Oct. 14.
Composition for carroting fur and the like. H. H. Tucker and R. J. Trimpert. 2,582,086, Jan. 8.
Composition for cementing wells. B. E. Morgan and G. K. Dumbauld. 2,609,882, Sept. 9.
Composition for cleaning aluminum and aluminum alloy surfaces preparatory to spot welding. E. R. Holman and J. L. Mathis. 2,585,127, Feb. 12.
Composition for fabricating paper and making it. B. Chiego. 2,614,924, Oct. 21.
Composition for forming flexible molding patterns. J. E. Wiss. 2,600,354, June 10.
Composition for hard facing. H. J. Woock. 2,611,710, Sept. 23.
Composition for inserting into the inner tubes of vehicle tires for the purpose of avoiding the effect of punctures. A. Covelli. 2,606,125, Aug. 5.
Composition for killing weeds. W. A. Bridgeman. 2,580,653, Jan. 1.
Composition for oil well cementing. R. A. Salathiel. 2,582,459, Jan. 15.
Composition for producing protective coatings. B. S. Tuttle and G. E. Jacobs. 2,608,496, Aug. 26.
Composition for reducing the reflection of light. H. R. Moulton. 2,601,123, June 17.
Composition for removing corrosion reaction products from metals. L. M. Peters. 2,585,165, Feb. 12.
Composition for removing scale deposits from ferrous metal surfaces. P. H. Cardwell, L. H. Ellers, and B. P. Robinson. 2,606,873, Aug. 12.
Composition for rendering printing rollers nonmeltable. L. W. Conklin. 2,598,761, June 3.
Composition for sealing porous formations in oil and gas wells. J. G. Campbell and H. L. Twining. 2,599,745, June 10.
Composition for the prevention and control of coccidiosis in poultry. V. A. Santivasi. 2,610,140, Sept. 9.
Composition for treating aluminum and aluminum alloys. F. H. Hesch. 2,620,265, Dec. 2.
Composition of calcium salts of tall oil and making it. P. Mahler. 2,616,814, Nov. 4.
Composition of matter and method of preserving food in raw state. L. Frandsen. 2,622,031, Dec. 16.
Composition of matter and method of retarding the decomposition of food. L. Frandsen. 2,622,030, Dec. 16.
Composition of matter comprising a thermosetting cashew nut shell oil modified phenol-formaldehyde resin, a rubbery copolymer of butadiene and acrylonitrile, and diatomaceous earth. F. E. Newman. 2,598,289, May 27.
Composition of matter for making artificial lumber. G. M. Harris. 2,609,303, Sept. 2.
Composition of matter for making molded phonograph records. T. R. McElhinney and T. D. Woodruff. 2,592,051, Apr. 8.
Composition of matter. Production of a new. S. H. Herzfeld and M. Kleiman. 2,583,569, Jan. 29.
Composition of styrene and isobutylene polymers. W. J. Sparks and L. B. Turner. 2,618,624, Nov. 18.
Composition, process, and apparatus for manufacture of roofing. R. E. Wooliff. 2,619,675, Dec. 2.
Composition useful as an antioxidant for fats and oils. J. E. Magoffin. 2,607,745–6, Aug. 19.

Compositions and method for reducing the loss of crop by frost damage to flowering plants. P. P. Hopf and G. L. Hey. 2,610,117, Sept. 9.
Compositions and methods for processing textile fibers. B. G. Skalkeas. 2,590,659, Mar. 25.
Compositions capable of hardening rapidly in the cold containing phenol-formaldehyde resins. K. Dietz. 2,623,865, Dec. 30.
Compositions comprising a polyvinyl chloride resin stabilized with organo-tin complex compounds. G. P. Mack. 2,604,460, July 22.
Compositions comprising acrylonitrile polymers and acylated hexahydro-S-triazines. H. J. Hagemeyer, Jr. and H. N. Wright, Jr. 2,585,242, Feb. 12.
Compositions comprising organic isocyanates and preparing same. R. J. Slocombe. 2,620,349, Dec. 2.
Compositions comprising polyisocyanate modified polyesters and vinyl chloride polymers. D. H. Coffey, O. B. Edgar, T. J. Meyrick, and J. T. Watts. 2,606,162, Aug. 5.
Compositions comprising solutions of acrylonitrile polymers. M. R. Dalton. 2,585,918, Feb. 19.
Compositions containing a major amount of a wax and a minor amount of a copolymer of ethylene-1,2-dicarboxylic acids and their derivatives. S. B. Lippincott and D. W. Young. 2,599,339, June 3.
Compositions containing finely divided metallic silver, Production of. H. G. Dickenson, K. T. Chapman, and P. P. Hopf. 2,592,870, Apr. 15.
Compositions containing glycidyl polyethers of dihydric phenols and polyvinyl acetate. Q. T. Wiles and D. W. Elam. 2,602,785, July 8.
Compositions containing mixtures of 4-aminosalicylic acid and its basic calcium salt. R. P. Germann, M. E. Hultquist and J. M. Smith, Jr. 2,611,732, Sept. 23.
Compositions containing organic polymeric sulfides and metal salts of 8-hydroxy-quinoline and preparing same. P. G. Benignus. 2,588,796, Mar. 11.
Compositions containing polyvinyl acetate and alkyl-substituted urea. W. G. Kunze and R. B. Evans. 2,595,796, May 6.
Compositions derived from beeswax. W. C. Griffin. 2,612,509, Sept. 30.
Compositions embodying solid lubricants. B. V. McBride. 2,619,458, Nov. 25.
Compositions for combatting tuberculosis. H. H. Fox. 2,596,069, May 6.
Compositions for lubrication. W. T. Stewart and A. Goldschmidt. 2,620,308, Dec. 2.
Compositions for stabilization of herbicide concentrates. J. Kamlet and W. T. McLaughlin. 2,606,876, Aug. 12.
Compositions for treating keratin-containing materials. J. W. Haefele. 2,615,828, Oct. 28.
Compositions of matter comprising halogenated organic compounds. E. E. Hardy and E. F. Jackson. 2,617,770, Nov. 11.
Compositions of matter comprising halogenated organic compounds. B. H. Hartzog. 2,582,200, Jan. 8.
Compositions of matter from sulfur chlorides, bicyclic terpenes, phosphorus sulfides, and alkylated phenols or alcohols. F. C. Teeter. 2,621,172, Dec. 9.
Compositions of tin oxide, Making. J. M. Mochel. 2,585,341, Feb. 12.
Compositions of vinyl chloride resins and aromatic esters of sulfonated alkanes. E. W. Gluesenkamp and J. Dazzi. 2,610,164–5, Sept. 9.
Compound differential actuator and transfer mechanism. C. L. Cho. 2,623,695, Dec. 30.
Compound protective device for radio detection system. A. Longacre. 2,582,205, Jan. 8.
Compound reciprocating-pulse jet aircraft power plant. R. H. Swartz. 2,587,073, Feb. 26.
Compound turbine power plant with intercept valve. G. B. Warren. 2,613,504, Oct. 14.
Compounding packaged powders into rubber. R. G. Newberg and F. P. Baldwin. 2,617,775, Nov. 11.
Compounds of alginic acid and its derivatives, Production of. J. B. Speakman, N. H. Chamberlain, and C. M. C. Dorkin. 2,584,508, Feb. 5.
Compounds of the androstane series, Production of. K. Miescher and P. Wieland. 2,598,648, May 27.
Compounds of the cyclopentanopolyhydrophenanthrene series and making same. K. Miescher and C. Meystre. 2,623,885, Dec. 30.
Compounds of the quinophthalone series and their production. F. Zwilgmeyer. 2,592,370, Apr. 8.
Compounds with the carbon skeleton of beta-carotene and the manufacture thereof. H. H. Inhoffen and H. Pommer. 2,609,396, Sept. 2.
Compressed air coal breaker. E. C. Filstrup. 2,591,529, Apr. 1.
Compressed fuel units of diisopropylideneglyoxal. M. Berdick and H. R. Hochstadt. 2,604,389, July 22.
Compressed gas circuit interrupter. B. P. Baker and E. Frisch. 2,616,008, Oct. 28.
Compressed gas container with reducing valve and auxiliary opening means therefor. E. Gagnan and J. Y. Cousteau. 2,598,248, May 27.
Compressed gas dehydrator. J. R. Riley. 2,621,752, Dec. 16.
Compressible brazed connector. I. F. Matthysee. 2,586,471, Feb. 19.
Compressible fastener. J. C. Lang. 2,597,342, May 20.
Compressible glass fiber shock absorption material and products, Manufacturing. J. G. Bush. 2,600,843, June 17.
Compressing machine such as centrifugal blower or pump. A. Büchi. 2,613,609, Oct. 14.
Compression checking gauge. W. L. Peterson. 2,620,656, Dec. 9.
Compression ignition power plant. L. F. R. Fell and R. J. W. Cousins. 2,600,983, June 17.
Compression loading means for refuse vehicles. J. Feldert. 2,622,748, Dec. 23.
Compression molding a plastic in sheet form. G. B. Sayre. 2,601,701, July 1.
Compression molding of perfluorochlorocarbon plastics. L. C. Rubin. 2,617,150, Nov. 11.
Compressive shrinking of webs. S. L. Cluett. 2,615,230, Oct. 28.
Compressor. K. E. Bollerup. 2,621,853, Dec. 16.
Compressor. M. R. A. Chabay. 2,615,618, Oct. 28.
Compressor. E. M. J. Lepicard. 2,608,932, Sept. 2.
Compressor. A. Munoz. 2,622,942, Dec. 23.
Compressor. J. Naab. 2,616,613, Nov. 4.
Compressor. D. Pica. 2,582,157, Jan. 8.
Compressor, Air. E. F. Baumgart and G. E. Willard. 2,613,027, Oct. 7.
Compressor and engine, Combined. E. C. Cowles. 2,614,497, Oct. 21.
Compressor and vacuum system, Hermetically sealed. J. J. Davis. 2,591,238, Apr. 1.
Compressor apparatus. J. L. Allen. 2,599,149, June 3.
Compressor apparatus. W. E. Brill and C. W. Junge. 2,620,124, Dec. 2.
Compressor, Bundle. V. L. Strohm and E. R. Kelly. 2,596,797, May 13.
Compressor, Centrifugal. G. Aue. 2,609,141, Sept. 2.
Compressor control. A. B. Newton. 2,581,329, Jan. 1.
Compressor control circuit. H. H. Platts. 2,585,168, Feb. 12.
Compressor cylinder head assembly. W. F. Borgerd. 2,613,870, Oct. 14.
Compressor, Electrically operated. J. P. Norton, 2,588,753, Mar. 11.
Compressor for use on aircraft, Air. C. A. Davis. 2,613,028, Oct. 7.
Compressor, Free-piston. A. Kalitinsky. 2,581,191, Jan. 1.
Compressor head assembly. O. H. Scheldorf. 2,592,343, Apr. 8.
Compressor, Hermetic refrigeration. J. Touborg. 2,587,246, Feb. 26.
Compressor intake valve. A. E. Ramclow. 2,622,792, Dec. 23.
Compressor-motor assembly. L. K. Warrick and F. E. La Flame. 2,612,311, Sept. 30.
Compressor plant pulsation dampening system. F. M. Stephens. 2,620,969, Dec. 9.
Compressor pump. J. R. Mangan. 2,583,583, Jan. 29.
Compressor, Rotary. S. Scognamillo. 2,590,729, Mar. 25.
Compressor shaft assembly. L. M. Kurtz. 2,588,126, Mar. 4.
Compressor supporting platform for tractors or other vehicles. G. L. Hart. 2,610,787, Sept. 16.
Compressor system. P. A. Yerger. 2,589,006, Mar. 11.
Compressor, Turbine driven. B. Ljungström. 2,611,532, Sept. 23.
Compressor, Two-stage air. H. C. Wescombe. 2,622,791, Dec. 23.
Compressor valve. E. D. Watson. 2,614,854, Oct. 21.
Compressor, Valve spring. N. Schneider. 2,601,639, June 24.
Compressor, Valved piston. S. F. Walker. 2,595,738, May 6.
Compressor with auxiliary bladewheel, Radial. F. Jonker. 2,609,140, Sept. 2.
Computer. J. W. Gray. 2,617,586, Nov. 11.
Computer and piloting system, Navigation. W. Palmer. 2,581,438, Jan. 8.
Computer automatic reset. L. A. Nettleton and H. S. Sommers, Jr. 2,605,450, July 29.
Computer, Bar linkage. A. A. Hauser. 2,621,855, Dec. 16.
Computer component. P. G. Carpenter. 2,617,587, Nov. 11.
Computer, Course interception navigational. W. K. Ergen. 2,600,159, June 10.
Computer device for navigation systems and the like. J. A. Biggs, E. A. Heald, and F. L. Moseley. 2,599,889, June 10.
Computer, Electric analogue. S. Beckwith and E. C. Koenig. 2,609,988, Sept. 9.
Computer, Electrical. D. Silverman, J. D. Eisler, and J. H. Huth. 2,603,415, July 15.
Computer for addition and subtraction, Electronic. G. R. Stibitz. 2,609,143, Sept. 2.
Computer for aviation trainers and the like. H. F. Schaefer, Jr. 2,602,244, July 8.
Computer for solving right triangles. J. W. Gray. 2,597,315, May 20.
Computer for solving simultaneous equations. L. M. Oberlin. 2,584,809, Feb. 5.
Computer, Geometrical. W. G. Proctor. 2,600,264, June 10.

Computer, Great circle course. F. E. Valentine. 2,610,403, Sept. 16.
Computer, Navigational. M. C. Thrash. 2,623,696, Dec. 30.
Computer of the slide rule type, Navigational. O. E. Batori. 2,585,618, Feb. 12.
Computer, Resultant. W. E. Dobbins. 2,617,588, Nov. 11.
Computer, Sound ranging. R. L. Dunn. 2,611,023, Sept. 16.
Computer, Unbalance. T. C. Van Degrift. 2,608,856, Sept. 2.
Computer, Wind data. W. K. Ergen. 2,596,472, May 13.
Computing device. M. and R. Demeulenaere. 2,581,393, Jan. 8.
Computing device. D. D. Evers. 2,586,421, Feb. 19.
Computing device. J. B. Gehman. 2,598,250, May 27.
Computing device. W. A. Miller. 2,587,193, Feb. 26.
Computing device. R. Serrell and E. A. Goldberg. 2,613,032, Oct. 7.
Computing device. F. W. Smith. 2,592,965, Apr. 15.
Computing device, Electrical. F. Aughtie. 2,622,798, Dec. 23.
Computing device having compound drive rate multiplier. L. E. Topham. 2,580,862, Jan. 1.
Computing indexing mechanism. S. Hinds. 2,586,332, Feb. 19.
Computing instrument, Electrical. D. F. Walker. 2,608,345, Aug. 26.
Concave-adjusting means for threshers. R. L. Anderson. 2,616,433, Nov. 4.
Concave bottom hull construction. J. H. Wendt. 2,612,130, Sept. 30.
Concavo-convex steel rule construction. F. O. Carlson. 2,616,635, Nov. 4.
Concentrated banana products, Preparing. L. Reale. 2,592,332, Apr. 8.
Concentrated lead fluids. W. C. Howell, Jr., A. R. Jones, and J. O. Smith, Jr. 2,618,612, Nov. 18.
Concentrated vat acids, Preparing. G. N. Sandor. 2,590,213, Mar. 25.
Concentrating carotenes. H. J. Passino. 2,615,927, Oct. 28
Concentrating hydrogen fluoride. O. M. Hanson and C. B. Linn. 2,594,554, Apr. 29.
Concentrating isotopic carbon. M. Calvin and J. W. Weigl. 2,602,047, July 1.
Concentrating milk. G. L. Cunningham. 2,602,745, July 8.
Concentrating nonmetallic minerals. I. M. Le Baron. 2,604,208, July 22.
Concentrating or purifying carbon monoxide occurring in admixture with other gases. K. M. Watson. 2,593,232, Apr. 15.
Concentrating phosphoric acid. B. W. Bellinger. 2,611,681, Sept. 23.
Concentrating sewage sludges, Method of and apparatus for. L. S. Kraus. 2,615,842, Oct. 28.
Concentration of nonmetallic minerals by flotation. R. I. Jackson. 2,596,407, May 13.
Concentration of orange juice. G. Sperti. 2,588,337, Mar. 11.
Concentration of partially polymerized diallyl phthalate. J. Anderson, J. W. Mecorney, and G. E. Ham. 2,613,201, Oct. 7.
Concentration of vitamin A esters. J. G. Baxter and H. M. Kascher. 2,584,662, Feb. 5.
Concentric optical system. F. C. P. Henroteau. 2,585,009, Feb. 12.
Concentric pipe insulator and spacer. D. H. Bond. Re. 23,545, Sept. 9.
Concentric tester. C. G. Bacon and P. C. Gardiner. 2,604,512 July 22.
Concentric type valve. B. L. Schwaller. 2,595,986, May 6.
Concrete. K. V. Vail. 2,607,700, Aug. 19.
Concrete and shuttering floor structure. H. W. Ashman. 2,601,082, June 17.
Concrete beam form, Collapsible. T. Sato. 2,583,670, Jan. 29
Concrete block molding machine. F. E. Asbell. 2,589,594, Mar. 18.
Concrete building construction. F. W. Vogel. 2,616,282, Nov. 4.
Concrete building units, Making. N. Placentino. 2,596,914, May 13.
Concrete conveying apparatus. R. L. Coney. 2,599,235, June 3.
Concrete cutting tool. J. R. Colley. 2,602,640, July 8.
Concrete drilling device. E. W. Taylor. 2,590,053, Mar. 18.
Concrete form. L. Fontaine. 2,620,542, Dec. 9.
Concrete form clamp. E. T. Gabrielson. 2,581,403, Jan. 8.
Concrete form lining material. O. W. Frost and J. H. Conover. 2,608,911, Sept. 2.
Concrete form panel and clamp therefor. A. J. Harder. 2,600,362, June 10.
Concrete gun. R. R. Colburn. 2,614,891, Oct. 21.
Concrete mixing apparatus. G. Maxon, Jr. 2,590,438, Mar. 25.
Concrete placement machine. C. Jackson. 2,582,486, Jan. 15.
Concrete reinforcement anchorage. A. C. Grivel and A. H. Pilling. 2,593,022, Apr. 15.
Concrete roadway finishing machine. C. G. Schulze. 2,592,960, Apr. 15.
Concrete slab wall joint. J. H. Wilson. 2,592,634, Apr. 15.
Concrete spreader. W. H. Lewis. 2,583,108, Jan. 22.
Concrete stair form. A. F. Poliman. 2,610,380, Sept. 16.
Concrete step form. F. Kogl. 2,592,578, Apr. 15.
Concrete structure and grouting assembly. A. E. Troiel. 2,585,192, Feb. 12.
Concrete surface sealer. A. G. Glick. 2,611,713, Sept. 23.
Concrete tamping device. B. Pierre. 2,607,569, Aug. 19.
Concrete troweling machine and attachment therefor. H. G. Fletcher. 2,621,568, Dec. 16.
Concrete wall mold. F. Floruzzi. 2,618,834, Nov. 25.
Concrete wall mold. E. O'Sullivan. 2,602,982, July 15.
Concrete window frame and sash. C. H. Nissen. 2,590,267, Mar. 25.
Condensate disposal means. W. F. Borgerd and J. Calling. 2,613,514, Oct. 14.
Condensate disposal system for refrigerators. C. G. Robbins. 2,594,073, Apr. 22.
Condensate return system. J. G. Williams. 2,612,112, Sept. 30.
Condensate separator. A. W. Baumann. 2,590,226, Mar. 25.
Condensate unloader valve. R. A. Barrett. 2,602,462, July 8.
Condensates of rosin with carbocyclic unsaturated hydrocarbons. A. L. Rummelsburg. 2,593,613, Apr. 22.
Condensation chloromethyl benzoates. R. A. Helmsch and W. S. Emerson. 2,612,516, Sept. 30.
Condensation nuclei generator. B. Vonnegut. 2,606,270, Aug. 5.
Condensation of an allylic alcohol and a conjugated diene. J. Nichols and V. S. De Marchi. 2,596,279, May 13.
Condensation of an organo silane with a polyhydric alcohol and thereafter with a polycarboxylic acid and product. M. J. Hunter and L. A. Rauner. 2,584,351, Feb. 5.
Condensation of aromatic hydrocarbons with formaldehyde catalyzed by formic acid. P. D. May and R. J. Lee. 2,597,159, May 20.
Condensation of beta-hydroxyethyl sulfides with compounds containing hydroxyl groups. F. P. Richter and E. E. Reid. 2,582,605, Jan. 15.
Condensation of sublimable material. J. A. Patterson. 2,583,013, Jan. 22.
Condensation of vapors. C. H. Winter, Jr. 2,580,635, Jan. 1.
Condensation of zinc from its vapor in gaseous mixtures. S. Robson. 2,583,668, Jan. 29.
Condensation polymers of hydroxy acetic acid, Preparing. M. L. Beck. 2,585,427, Feb. 12.
Condensation process. C. Weizmann. 2,592,365, Apr. 8.
Condensation product of a 2-thiothiazole, formaldehyde, and alkyl phenol to inhibit sulfur corrosive lubricants. R. L. Woodruff, W. T. Stewart, and W. Lowe. 2,607,737, Aug. 19.
Condensation product of formaldehyde with a copolymer of a vinyl aromatic compound and an aliphatic monoolefin and making same. E. M. Gelser. 2,611,760, Sept. 23.
Condensation products from an aminotriazine and trimethylolacetaldehyde. K. Keller and O. Hausen. 2,603,624, July 15.
Condensation products of alkenyl diacyl halides and aminoarylamino aminoanthraquinones. A. Peter and W. Frey. 2,623,884, Dec. 30.
Condensation products of benzanthrone-B2-carboxylic acid chloride and fluoranthene. W. Schmidt-Nickels. 2,600,364, June 10.
Condensation products of phenol, formaldehyde, and unsubstituted mononuclear dihydric phenols. R. J. Spahr. 2,614,096, Oct. 14.
Condensation products of the dihydrobenzimidazole type. R. C. Gunther. 2,605,265, July 29.
Condensation products of the sugars with derivatives of esculetol and process. L. Velluz and G. Amiard. 2,616,889, Nov. 4.
Condensation resins of halogenated benzene compounds. S. D. Ross and M. Markarian. 2,621,168, Dec. 9.
Condensation retaining receptacle. C. E. S. Place. 2,591,374, Apr. 1.
Condenser: *See*—
Direction selection condenser.
Duplex steam condenser.
Electric condenser.
Electrical condenser.
Electrolytic condenser.
Engine exhaust condenser.
Evaporative condenser.
Glass condenser.
Impregnated electrical condenser.
Plate type condenser.
Refrigerant condenser.
Variable condenser.
Variable electrical condenser.
Variable sealed condenser.
Condenser. J. R. Holmes and A. Schwarz. 2,610,832, Sept. 16.
Condenser. R. R. Hull. 2,614,816, Oct. 21.
Condenser. H. A. Klasens. 2,616,813, Nov. 4.
Condenser and condensing. E. B. Hershberg and A. I. Ryer. 2,582,250, Jan. 15.
Condenser charge regulation. T. W. Stringfield. 2,588,427, Mar. 11.

Condenser for alternating current power circuits and operating the same, Electrolytic. J. E. Lilienfeld. 2,585,947, Feb. 19.
Condenser for electronic generators, Movable tape. M. Martenot. 2,581,680, Jan. 8.
Condenser for long draft spinning. R. R. Pope. 2,591,866, Apr. 8.
Condenser for textile fibers. E. and R. B. Cottam. 2,621,376, Dec. 16.
Condenser lens arrangement for projectors. H. Rubin. 2,610,546, Sept. 16.
Condenser lens mount. J. H. Eagle. 2,596,665, May 13.
Condenser structure for absorption refrigeration apparatus. S. M. Bäckström. 2,619,809, Dec. 2.
Condenser testing apparatus. R. E. Kraft. 2,617,859, Nov. 11.
Condenser testing system. F. J. Foust, W. C. Shaw, H. J. McKee, W. M. Rider and J. S. Burge. 2,596,396, May 13.
Condenser winding method. F. Weiss. 2,617,605, Nov. 11.
Condenser winding testing and sorting apparatus. J. S. Burge, H. J. McKee, W. M. Rider, L. H. Conrad, and F. J. Foust. 2,591,047, Apr. 1.
Condensing a 4-amino polyaryl methane and acetone. J. R. Ingram. 2,160,172, Sept. 9.
Condensing lower alcohols to higher alcohols. A. Clark and F. E. Condon. 2,593,009, Apr. 15.
Condiment cellar. I. Warren. 2,623,660, Dec. 30.
Condiment dispenser. E. J. Flaherty. 2,618,411, Nov. 18.
Condiment dispenser. F. J. Minturn. 2,597,165, May 20.
Condiment dispenser. H. M. Von Duyke. 2,612,292, Sept. 30.
Condiment holder. A. T. Brown. 2,600,839, June 17.
Condiment holder. A. F. Reilly. 2,597,749, May 20.
Condition control apparatus. G. E. Parker. 2,623,503, Dec. 30.
Condition control apparatus. J. M. Wilson and S. W. Nickells. 2,602,591, July 8.
Condition indicator for electric fuses. W. T. Wallace and J. E. Coonley. 2,623,099, Dec. 23.
Condition regulating apparatus. T. K. Greenlee. 2,616,013, Oct. 28.
Conditioning and granulating finely divided materials. J. I. McAskill. 2,593,326, Apr. 15.
Conditioning cellulose acetate yarn and product resulting therefrom. V. C. Ester. 2,622,045, Dec. 16.
Conditioning liquids, Method and apparatus for. R. T. Pemberton and E. L. Holmes. 2,606,870, Aug. 12.
Conditioning machine. A. N. Neergaard and A. C. Steenberg. 2,588,277, Mar. 4.
Conditioning photographic apparatus. R. N. Gordon. 2,606,409, Aug 12.
Conditioning yarn, thread, and the like. C. F. Dulken, H. C. Sonntag, and G. Westwater. 2,598,239, May 27.
Conducting geophysical surveys from an aircraft, Method and apparatus for. J. M. Klaasse and H. Jensen. 2,610,226, Sept. 9.
Conducting geophysical surveys, Method and apparatus for. H. Jensen. 2,598,697, June 3.
Conducting geophysical surveys, Method and apparatus for. L. H. Rumbaugh, H. Jensen and J. R. Balsley, Jr. 2,611,803, Sept. 23.
Conducting seal for high-pressure lamps. E. H. Nelson and E. B. Power. 2,583,388, Jan. 22.
Conductive designs, Making. S. W. Strickman. 2,585,700, Feb. 12.
Conductive patterns, Making. C. M. Tuttle. 2,600,343, June 10.
Conductivity cell test element. P. J. Cade. 2,616,949, Nov. 4.
Conductivity controlled dispenser. K. Albrecht. 2,593,825, Apr. 22.
Conductor protector. A. J. Moore. 2,582,267, Jan. 15.
Conduit box and cable connector, Combination. A. W. and D. G. Givens. 2,590,004, Mar. 18.
Conduit construction. L. H. Fritzberg. 2,599,325, June 3.
Conduit indexing and coupling device. T. J. Glaza. 2,581,853, Jan. 8.
Conduit junction box. J. H. Martin. 2,611,500, Sept. 23.
Conduit, Lubricated electrical. R. Couchman. 2,597,706, May 20.
Conduit tractor. C. E. Boucher. 2,604,521, July 22.
Cone valve operator. I. M. White. 2,623,395, Dec. 30.
Cone winder tension compensator. B. Marcellus. 2,618,441, Nov. 18.
Confection carober apparatus. M. M. Guggenheim. 2,585,765, Feb. 12.
Confection, Frozen. K. R. Brown. 2,602,749, July 8.
Confection machine. W. P. Spain. 2,590,051, Mar. 18.
Confection making apparatus. H. E. Bianchi. 2,592,534, Apr. 15.
Confection mold. R. E. Holahan. 2,591,261, Apr. 1.
Confectionery packing table. A. Friedman. 2,621,839, Dec. 16.
Confectionery products, Making. J. Braback. 2,594,538, Apr. 29.
Conformable coil. J. C. Bender and C. T. Baker. 2,622,126, Dec. 16.
Congealing apparatus. C. Field. 2,616,270, Nov. 4.
Congelation and apparatus for use in connection therewith. C. Field. 2,610,474–6, Sept. 16.
Congelation and apparatus for use in connection therewith. C. Field and E. C. Stover. 2,610,477, Sept. 16.
Conidendrol, Making. W. M Hearon. 2,612,508, Sept. 30.
Conjugated steroids, Producing. B. Riegel. 2,621,190, Dec. 9.
Connected sectional table. P. Cohen. 2,605,150, July 29.
Connected strip of fastener units. J. C. Lang. 2,597,343, May 20.
Connecting cap for air guns and the like. G. J. Penno. 2,622,770, Dec. 23.
Connecting clamp device for tying animals tails and the like. F. M. Kaneski. 2,619,936, Dec. 2.
Connecting device for wave guides. M. Jouguet. 2,594,031, Apr. 22.
Connecting device of the liquid manometer type. D. V. L. Lindström and G. I. Jedvall. 2,621,268, Dec. 9.
Connecting means for door latches. D. M. Robinson. 2,581,885, Jan. 8.
Connecting means for parallel tubes. E. C. Ritter. 2,613,957, Oct. 14.
Connecting mechanism for demand meters. L. A. Paine and K. M. Smith. Re. 23,529, July 29.
Connecting member for looms. C. L. Huffman. 2,588,241, Mar. 4.
Connecting rod assembly. L. F. Knight and J. L. H. Everitt. 2,608,108, Aug. 26.
Connecting rod assembly for radial engines or like operating devices. H. J. Kratzer. Re. 23,593, Dec. 9.
Connecting rod mounting. P. Panhard. 2,607,639, Aug. 19.
Connection device for open front conduits. R. H. Murphy and F. P. D'Esopo. 2,597,513, May 20.
Connection for reversible iron cords. D. L. Reynolds. 2,588,986, Mar. 11.
Connector: *See*—
Adjustable shaft connector.
Arc tight cable connector.
Automatic train pipe connector.
Auxiliary fuse-containing multiple outlet electrical connector.
Battery cable connector.
Battery terminal connector.
Belt connector.
Bracelet connector.
Cable connector.
Cable terminal connector.
Compressible brazed connector.
Construction toy connector.
Detachable leakproof truck canvas connector.
Electric cable connector.
Electric connector.
Electrical clasp connector.
Electrical connector.
Electrical plug connector.
Electrical terminal connector.
Faucet spout connector.
Fused electrical connector.
Insulation piercing wire connector.
Jewelry chain connector.
Linkage connector.
Monoblock connector.
Pigtail electric connector.
Plug connector.
Quick detachable connector.
Resilient connector.
Rope connector.
Separable electrical connector.
Shielded electrical connector.
Skirt and blouse connector.
Spade connector.
Transformer terminal connector.
Venetian blind rail connector.
Watertight cable connector.
Windshield wiper blade connector.
Wire connector.
Wire terminal connector.
Connector. E. J. Herbenar. 2,592,280, Apr. 8.
Connector block. A. T. Mosimann, Jr. 2,588,558, Mar. 11.
Connector circuit employing a sequence switch. C. E. Lomax. 2,602,121, July 1.
Connector circuit for code ringing, Party line. C. E. Lomax. 2,583,782, Jan. 29.
Connector clamp for coaxial electrical cables. D. C. Akers. 2,587,676, Mar. 4.
Connector for apparel. J. V. Schafer. 2,585,689, Feb. 12.
Connector for bracelets and the like. H. J. Feibelman. 2,623,256, Dec. 30.
Connector for combination flowerpot and watering pan, Resilient. F. F. Lindstaedt. 2,605,588, Aug. 5.
Connector for conduits. P. A. Mundy and C. A. Bashford. 2,580,818, Jan. 1.
Connector for electrical wires, Snap type. C. M. Smith. 2,587,239, Feb. 26.
Connector for fishing sinkers, Detachable and releasable. G. T. Braithwaite. 2,594,620, Apr. 29.
Connector for flexible bracelets, End. A. J. Garreau. 2,609,584, Sept. 9.
Connector for telescoping tubular stick members. H. Wüster. 2,620,210, Dec. 2.
Connector for tent ridge poles. E. F. Campbell. 2,617,436, Nov. 11.
Connector for windshield wiper blades. R. B. Macpherson. 2,618,806, Nov. 25.
Connector forming tool with ratchet means for compelling precise operation. V. E. Carlson. 2,618,993, Nov. 25.
Connector having coaxial barrels of different diameters, Electrical. V. E. Carlson. 2,596,528, May 13.
Connector of the trolley tap type, Electrical. J. F. Conrad. 2,582,621, Jan. 15.
Connector strip. R. J. Bush. 2,591,048, Apr. 1.
Conservator for liquid-immersed apparatus. T. C. Lennox. 2,622,122, Dec. 16.
Console, Ventilated. A. H. Miller. 2,618,076, Nov. 18.
Consolidating and plugging formations. G. G. Wrightsman. 2,604,172, July 22.

Consolidating refractory materials. F. E. Lathe. 2,621,131, Dec. 9.
Consolidating soils. W. Kjellman. 2,615,307, Oct. 28.
Constant center-of-gravity liquid supply system. B. G. Eaton and W. H. Peters. 2,621,719, Dec. 16.
Constant current regulator. E. W. Clark. 2,589,991, Mar. 18.
Constant delivery pump. R. B. Saalfrank. 2,620,734, Dec. 9.
Constant delivery pump. M. R. Sheen. 2,613,606, Oct. 14.
Constant flow valve. C. D. Branson. 2,584,418, Feb. 5.
Constant pressure cycle continuous flow combustion gas turbine power plant. A. R. Howell. 2,584,878, Feb. 5.
Constant resistance pseudohybrid channel branching microwave filters. W. D. Lewis. 2,595,680, May 6.
Constant speed clutch. F. R. van der Woude. 2,581,313, Jan. 1.
Constant speed drive for automobile generators and the like. T. W. Horn. 2,612,249, Sept. 30.
Constant speed pump and motor hydraulic transmission. J. E. Bevins. 2,612,753, Oct. 7.
Constant surface speed lathe. C. E. Greene and R. B. Lesher. 2,600,988, June 17.
Constant temperature cabinet. W. Van Guilder. 2,583,906, Jan. 29.
Constant tension control. G. Malcom. 2,581,328, Jan. 1.
Constant tension control. W. Reeves. 2,608,741, Sept. 2.
Constant tension device. D. E. Howe. 2,605,061, July 29.
Constant tension winding. R. P. Lathrop. 2,610,806, Sept. 16.
Constant torque gas turbine with counterrotating elements and speed controlled fuel and air supply. P. J. J. Térce. 2,616,253, Nov. 4.
Constant velocity universal joint. A. H. Rzeppa. 2,615,317, Oct. 28.
Constant velocity universal joint. W. F. Sindelar. 2,617,278, Nov. 11.
Constant velocity universal joint. N. Trbojevich. 2,584,097, Jan. 29.
Constant volume variable speed driven vane pump. H. C. French. 2,600,633, June 17.
Constructing a prefabricated bridge structure. J. E. Blair. 2,602,321, July 8.
Constructing buildings. P. J. Callan. 2,595,123, Apr. 29.
Constructing open-top enamel-lined cylindrical tanks. E. Schmitz and R. C. Weber. 2,616,163, Nov. 4.
Construction and apparatus involving bull's eye pilot mountings. T. H. Cline. 2,617,869, Nov. 11.
Construction and arrangement of restaurants. T. M. Lewis. 2,602,314, July 15.
Construction cylindrical containers. O. Rasor. 2,582,065, Jan. 8.
Construction for electric heaters for flexing bars. M. Ireland. 2,589,614, Mar. 18.
Construction hoist, Portable. A. D. and K. A. Allphin. Feb. 26.
Construction materials. G. Bell and P. Lebovitz. 2,623,914, Dec. 30.
Construction of air and gas heater. J. Janson. 2,598,262, May 27.
Construction of compensated boards or panels for the manufacture of doors and the like. A. Rizza. 2,602,204, July 8.
Construction of corner sections in luggage. S. D. Plotkin. 2,610,715, Sept. 16.
Construction of drum for hoists, winches and the like. 2,588,458, Mar. 11.
Construction of dynamoelectric machines. F. J. Johns and H. J. Owens. 2,610,992, Sept. 16.
Construction of Geiger-Müller tube. S. Krasnow and M. J. Test. 2,605,435, July 29.
Construction of incubators for infants. B. C. Grieb. 2,600,240, June 10.
Construction of paneled walls for buildings. C. E. Kenney. 2,593,891, Apr. 22.
Construction of slips. A. Friedman. 2,591,799, Apr. 8.
Construction of stator elements of turbines, compressors, or like machines. R. C. McLeod. 2,584,899, Feb. 5.
Construction of thick-walled high-pressure vessels. H. B. Fergusson. 2,600,630, June 17.
Construction of Venetian blinds. W. Turkowski. 2,612,220, Sept. 30.
Construction toy connector. R. S. Lindenmeyer. 2,609,638, Sept. 9.
Constructional unit for the control of the ailerons and elevator of airplanes. J. Šlechta. 2,594,593, Apr. 29.
Contact alloys. W. H. Lenz. 2,620,555, Dec. 9.
Contact arc suppression. P. M. G. Toulon. 2,595,024, Apr. 29.
Contact arm for distributor breaker plates. J. Filko. 2,599,323, June 3.
Contact assembly. W. J. Zenner. 2,605,366, July 29.
Contact construction. M. C. Harman. 2,580,910, Jan. 1.
Contact device. D. M. Hansing. 2,605,369, July 29.
Contact jaw, Plug-in. E. F. Mekelburg. 2,604,504, July 22.
Contact mounting. A. P. Charbonneau and F. J. Russell. 2,594,396, Apr. 29.
Contact printing apparatus. F. G. Ludwig. 2,591,449, Apr. 1.
Contact printing machine with phototype. J. F. Murphy. 2,615,380, Oct. 28.
Contact protection arrangement. W. B. Ellwood. 2,594,890, Apr. 29.
Contact relays, Multiple. N. H. Saunders, C. J. Hackett, and J. I. Bellamy. 2,606,958, Aug. 12.
Contact sequence test set. E. B. Schwartz. 2,586,999, M. F. Sasgen. 2,581,716, Jan. 8.
Contact spaced target-mesh assembly for television pickup tubes. R. S. Moore. 2,582,843, Jan. 15.
Contact spark supression circuit. A. Wharton and T. Frankel. 2,608,607, Aug. 26.
Contact spring. M. Fritts 2,587,458, Feb. 26.
Contact support for crossbar switches. S. D. Vigren, W. O. W. Broberg, and O. K. J. Olsson. 2,598,085, May 27.
Contact wheel, mainly for finishing belts. W. J. Cosmos. 2,605,592, Aug. 5.
Contacting device for electric heating panels. C. Frere. 2,613,309, Oct. 7.
Contacting gases and pulverized solids, Method and apparatus for. D. H. Putney. 2,589,862, Mar. 18.
Contacting liquids with gases or vapors. O. G. Dixon. 2,615,699, Oct. 28.
Contacting of immiscible liquids. T. L. McNamara. 2,609,277, Sept. 2.
Contacting plate for liquid-liquid extraction tower. J. W. Packie. 2,622,968, Dec. 23.
Contacting solid particles with gaseous fluids. H. J. Ogorzaly. 2,593,338, Apr. 15.
Contacting tower construction. L. J. Ford. 2,582,688, Jan. 15.
Container: *See*—
Adjustable container.
Aerated bait container.
Bait container.
Beverage cooling container.
Bottom dumping container.
Brush container.
Bulk materials freight container.
Cellular cushioned container.
Change container.
Chick shipping container.
Cigarette dispensing container.
Clothesline container.
Collapsible container.
Combined liquid and food lunch container.
Cosmetic container.
Dispensing and atomizing container.
Dispensing container.
Dispensing milk container.
Display container.
Double container.
Edible material container.
Egg container.
Egg shipping container.
Fishhook container.
Fluid dispensing container.
Food container.
Freezing container.
Gasoline container.
Glass container.
Handled container.
Heat-transfer container.
Heavy-duty shipping container.
Hypochlorite bleach container.
Hypodermic solution container.
Insulated container.
Jet engine container.
Key container.
Lamp container.
Lipstick container.
Liquid container.
Live bait container.
Luggage container.
Master shipping container.
Material storage and handling container.
Minnow transport container.
Molded pulp container.
Multiple liquid processing container.
Nestable container.
Novelty container.
Paper container.
Partitioned container.
Pie container.
Plastic container.
Plunger type disposable medicament container.
Pocket article dispensing container.
Portable bait container.
Powder container.
Protective hat container.
Removable luggage container.
Rosin container.
Sealable food container.
Sealed metallic container.
Sectional container.
Self-heating container.
Shipping container.
Shock resistant container.
Silverware container.
Soap container.
Stacking and nesting container.
Suspension liquid gas container.
Toilet bowl flush tank disinfectant container.
Transportation container.
Tube type container.
Tubular container.
Utility container.
Vacuum type food container.
Variable capacity container.
Ventilated container.
Waterproof container.
Wire container.
Container. E. Del Buttero. 2,603,740, July 15.
Container. J. S. Donnell. 2,581,944, Jan. 8.
Container. J. S. Donnell. 2,608,340, Aug. 26.
Container. W. A. Eaton. 2,596,225, May 13.
Container. M. R. Fields. 2,617,419, Nov. 11.
Container. J. C. Floretti. 2,584,008, Jan. 29.
Container. C. F. Gibbons. 2,619,276, Nov. 25.
Container. V. Hagopian. 2,620,963, Dec. 9.
Container. G. Hammond. 2,600,989, June 17.
Container. A. M. Hess. 2,607,509, Aug. 19.
Container. D. W. Hill 2,606,586, Aug. 12.
Container. J. A. Hollinshead. 2,598,123, May 27.
Container. M. B. Jameson. 2,581,664, Jan. 8.
Container. H. M. Kleckhefer. 2,622,785, Dec. 23.
Container. A. P. Klasing and B. M. Williams. 2,612,305, Sept. 30.
Container. D. I. McKenzie. 2,609,135, Sept. 2.
Container. E. A. Pardee. 2,595,202, Apr. 29.
Container. C. B. Pike. 2,592,734, Apr. 15.
Container. R. F. Reifers. 2,621,782, Dec. 16.
Container. C. E. Slaughter. 2,600,438, June 17.
Container. T. J. Smulski. 2,620,941, Dec. 9.

Container. S. Vadner. 2,611,528, Sept. 23.
Container adapted for support on the upper edges of principal containers. Supplementary. G. R. Garrett. 2,597,468, May 20.
Container and applicator, Cleaning fluid. L. R. N. Carvalho. 2,594,729, Apr. 29.
Container and applicator, Paint. E. S. Braun. 2,600,197, June 10.
Container and bottle supporting rack. H. R. E. Heide. 2,581,019, Jan. 1.
Container and closure cap therefor, Cylindrical. E. B. Turner. 2,585,602, Feb. 12.
Container and closure therefor. W. E. Cramer. 2,604,226, July 22.
Container and closure therefor. W. H. Robinson. 2,614,727, Oct. 21.
Container and corner locking means therefor. J. G. Witte. 2,596,320, May 13.
Container and draw cord combination. R. Eisenhardt. 2,584,336, Feb. 5.
Container and ironing board, Combined. G. W. Plumb. 2,603,011, July 15.
Container and making same. I. L. Wilcox. 2,623,680, Dec. 30.
Container and manufacture, Handled. J. D. Crary. 2,603,407, July 15.
Container and mixer for beverages. C. B. Stair. 2,592,485, Apr. 8.
Container and rack for holding and pressing neckties. S. W. Hoover. 2,587,850, Mar. 4.
Container and spreading device for bobby pins, Combined. R. Vogel. 2,600,087, June 10.
Container assembling apparatus. G. H. Laabs. 2,584,718, Feb. 5.
Container blank delivery mechanism. H. K. Wethe and R. H. Duncanson. 2,598,150, May 27.
Container body and making same. I. L. Wilcox. 2,623,681, Dec. 30.
Container cap-supporting attachment. J. R. Woody. 2,613,842, Oct. 14.
Container car. R. A. Shields. 2,620,748, Dec. 9.
Container-carrier. D. C. Murphy. 2,598,710, June 3.
Container case. R. W. More. 2,623,670, Dec. 30.
Container closure. C. E. Christophersen. 2,607,383, Aug. 19.
Container closure. M. Friedman. 2,621,832, Dec. 16.
Container closure. V. D. Howe, Sr. 2,604,224, July 22.
Container closure. C. J. Jesnig. 2,620,938, Dec. 9.
Container closure. C. M. Koster. 2,587,738, Mar. 4.
Container closure. J. Robinson. 2,614,868, Oct. 21.
Container closure. F. A. Vastano. 2,600,086, June 10.
Container closure. F. H. Waggoner. 2,612,307, Sept. 30.
Container closure and applicator device. L. A. Sherry. 2,623,228, Dec. 30.
Container closure member having a dispensing valve therein. D. Michel. 2,612,293, Sept. 30.
Container closure, Plastic. J. A. Benner and J. M. Sharf. 2,586,775, Feb. 26.
Container ejecting suction cleaner. A. H. Beede. 2,580,642, Jan. 1.
Container emptying apparatus. R. H. W. Thorn. 2,618,407, Nov. 18.
Container end closure. J. A. Hollinshead. 2,603,400, July 15.
Container end structure, Consumer type. G. S. Thompson. 2,603,403, July 15.
Container feed mechanism. T. B. Keesling. 2,592,909, Apr. 15.
Container feed mechanism. M. O. Smith and R. Elsheimer. 2,620,058, Dec. 2.
Container feeding and cover applying apparatus. G. Hammond. 2,595,849, May 6.
Container feeding and filling mechanism. H. C. Smith and J. C. Petrea. 2,619,273, Nov. 25.
Container filling and capping machine. A. E. Lindstrom. 2,587,180, Feb. 26.
Container filling and material settling machine. S. R. Howard. 2,581,795, Jan. 8.
Container filling machine having feed screw with cylindrical bore forming member. F. G. Thompson. 2,589,583, Mar. 18.
Container filling system. E. E. Martin. 2,580,567, Jan. 1.
Container for aqueous liquid pharmaceutical preparations, Drain-clear. H. Rosenblum. 2,622,598, Dec. 23.
Container for artificial dentures. A. M. Passmore. 2,620,919, Dec. 9.
Container for artists' materials. G. K. Gombarts. 2,593,138, Apr. 15.
Container for asphalt and the like. P. Santina. 2,583,669, Jan. 29.
Container for cleansing liquids. R. Foreshaw-Smith. 2,613,011, Oct. 7.
Container for clothes and the like, Flexible. M. R. Cautley. 2,603,264, July 15.
Container for coiled ribbons and the like. G. W. Ewald. 2,582,422, Jan. 15.
Container for desiccant material. R. R. Gannon. 2,593,132, Apr. 15.
Container for explosives, Frangible. V. R. Bottom. 2,586,911, Feb. 26.
Container for feeding suckling calves. E. J. Hiller. 2,613,642, Oct. 14.
Container for hydropneumatic windshield washer. C. E. Stow and E. E. Black. 2,621,830, Dec. 16.
Container for hypodermic preparations. W. Y. Norman. 2,612,163, Sept. 30.
Container for individually wrapped articles of merchandise and supporting tray therefor, Display. K. T. Buttery. 2,582,476, Jan. 15.
Container for knitting and knitting accessories. M. M. Lerner and N. P. Weinheimer. 2,585,476, Feb. 12.
Container for labels and the like, Dispensing. W. R. Harris. 2,621,787, Dec. 16.
Container for liquefied gases. P. F. Winternitz. 2,594,244, Apr. 22.
Container for liquids. W. M. Fleming. 2,583,211, Jan. 22.
Container for mustard, ketchup, and the like, having a slidable piston with hollow stem, Dispensing. J. Schwartz. 2,599,071, June 3.
Container for packaging merchandise. A. E. Weisberg. 2,580,712, Jan. 1.
Container for paste, holder therefor, and cooperative combination brush and cover for use therewith. N. S. Florence. 2,609,562, Sept. 9.
Container for peat moss and the like, Fungus inhibiting. F. R. Linda. 2,615,614, Oct. 28.
Container for pies and cakes, Protective. J. S. Bencich. 2,606,651, Aug. 12.
Container for purses or handbags, Folding. O. M. Guffey. 2,581,099, Jan. 1.
Container for rapid preparation of hot drinks, Heating. A. Gourgues. 2,582,865, Jan. 15.
Container for razor blades. J. G. Roberts. 2,604,979, July 29.
Container for safely striking matches. D. E. Reid. 2,604,980, July 29.
Container for shipment of eggs. H. C. Reeser. 2,597,846, May 27.
Container for washing stockings. D. McConaughy. 2,618,143, Nov. 18.
Container forming apparatus. C. E. Palmer. 2,614,466, Oct. 21.
Container handle. J. W. Kinney, Jr. 2,617,676, Nov. 11.
Container having an absorbing layer for dispensing by capillary action, Dispensing. C. C. Goetz. 2,610,769, Sept. 16.
Container having an electrically vibrated screen, Dispensing. H. A. Lichtenstein. 2,583,862, Jan. 29.
Container having hermetic sealing means, Self-heating. E. J. Rivoche. 2,613,664, Oct. 14.
Container having integral tear strip. F. F. Osmers. 2,621,828, Dec. 16.
Container having multiple cells, Prelined. R. M. Bergstein. 2,617,576, Nov. 11.
Container having slidable closure. V. R. Sheridan. 2,582,360, Jan. 15.
Container having slide-operated foldback covers. H. L. Myers. 2,597,810, May 20.
Container holder and handle. E. Dechar. 2,605,945, Aug. 5.
Container opener, Liquid. J. P. Gallant. 2,583,212, Jan. 22.
Container or tray, Compartmented. A. Holder and T. Niedzwecki. 2,587,726, Mar. 4.
Container package and dispenser for pressure-sensitive tape. A. P. Krueger and O. P. Erhardt. 2,608,295, Aug. 26.
Container package and heating device, Combination. N. T. Naranick. 2,581,131, Jan. 1.
Container partition structure. C. R. Ross. 2,614,715, Oct. 21.
Container perforator. R. Davis. 2,581,469, Jan. 8.
Container perforator. L. E. Fuller. 2,595,653, May 6.
Container prop, Iced food. L. Moschetto. 2,594,479, Apr. 29.
Container puncturing and dispensing device. J. Kovalik and R. E. Witter. 2,622,767, Dec. 23.
Container safety lock. J. W. Armbruster. 2,588,605, Mar. 11.
Container sealing machine. H. B. Silver. 2,589,740, Mar. 18.
Container support with dispensing device. L. J. Critelli and A. K. Brown, Jr. 2,620,943, Dec. 9.
Container washing apparatus. H. D. Lathrop. 2,621,667, Dec. 16.
Container weighing machine with buoyant liquid weighing medium. R. E. J. Nordquist. 2,597,894, May 27.
Container with a hinged cover. J. D. Casey. 2,605,926, Aug. 5.
Container with adjustable firearm support. S. W. Fish. 2,603,347, July 15.
Container with automatic cover, Slidable. B. D. Goldberg. 2,597,722, May 20.
Container with bodily slidable closure. J. Chluda. 2,606,692, Aug. 12.
Container with cap. P. Fisch. 2,581,849, Jan. 8.
Container with detachable spout nestable in said container in nonuse position, Dispensing. C. J. Neuner. 2,597,593, May 20.
Container with dispensing and filling openings for liquids, Paper. R. F. Glaser. 2,593,019, Apr. 15.
Container with escape feature, Friction top. G. C. Erb. 2,606,685, Aug. 12.
Container with flat top and integral overcap. G. C. Reid and S. S. Jacobs. 2,609,985, Sept. 9.

Container with fused reinforced seam. C. A. Southwick, Jr. 2,584,633, Feb. 5.
Container with individual inscription. S. H. Born. 2,593,966, Apr. 22.
Container with measuring and dispensing means. G. B. Warren. 2,585,198, Feb. 12.
Container with pivoted bottom gate. J. Tulou. 2,622,771, Dec. 23.
Container with puncturing drinking tube. M. A. van der Spek. 2,617,559, Nov. 11.
Container with reclosure and shield device. A. J. White. 2,615,610, Oct. 28.
Container with telescoping closure. H. C. Reeser. 2,615,613, Oct. 28.
Container with telescoping drawer, Movable. P. J. and W. E. Ford. 2,621,098, Dec. 9.
Container with trap chamber operated by tipping. C. G. Huebl and H. P. Buerosse. 2,584,130, Feb. 5.
Container with water shedding top construction. C. G. Prels. 2,601,945, July 1.
Containers for preservation of bacteria cultures. G. Larsen. 2,619,448, Nov. 25.
Containers, Making. R. L. Halstead. 2,597,986, May 27.
Containers, Making. C. A. Southwick, Jr. 2,584,632, Feb. 5.
Containers, Making. H. A. Toulmin, Jr. 2,592,081, Apr. 8.
Containers, Making paper. C. Barbieri. 2,602,383, July 8.
Continuity test apparatus. J. A. Cranford. 2,610,229, Sept. 9.
Continuous adsorption process. C. E. Ockert. 2,614,133, Oct. 14.
Continuous adsorption process. L. W. Pollock. 2,610,703, Sept. 16.
Continuous apparatus for the manufacture of superphosphates and similar products. J. Moritz. 2,587,367, Feb. 26.
Continuous belt-like track. O. A. Smith. 2,618,516, Nov. 18.
Continuous belt-type fluid treatment apparatus. C. Katzen and T. R. Games. 2,621,573, Dec. 16.
Continuous change-speed gear. H. L. Garnier. 2,580,669, Jan. 1.
Continuous clarifier. L. M. I. Rodriguez. 2,599,782, June 10.
Continuous combustion type rotating combustion products generator. K. C. Howard. 2,603,947, July 22.
Continuous combustion type rotating combustion products generator and turbine. A. A. Zuhn. 2,612,021, Sept. 30.
Continuous conversion and coking of heavy liquid hydrocarbons. W. K. Hunter. 2,598,058, May 27.
Continuous conveyer-reactor chamber. R. W. Helwig. 2,600,871, June 17.
Continuous crystallization apparatus and process. R. A. Findlay. 2,617,273, Nov. 11.
Continuous emulsion polymerization process for vinyl acetate. W. K. Wilson. 2,587,562, Feb. 26.
Continuous feeder. F. J. Breman. 2,583,506, Jan. 22.
Continuous film printer with automatic control of electromagnetically actuated shutter operating means. A. E. Reeves. 2,583,342, Jan. 22.
Continuous filtration process for solvent extraction of castor oil from castor seeds. J. S. F. Carter. 2,616,909, Nov. 4.
Continuous flow multiple tank fuel system. D. Samiran. 2,612,216, Sept. 30.
Continuous flow oxygen regulator. J. A. Sneller. 2,592,830, Apr. 15.
Continuous-flow press for removing moisture from material such as bark, bagasse, peat moss, and the like. H. S. Messing. 2,615,387, Oct. 28.
Continuous furnace. E. W. Dany. 2,608,740, Sept. 2.
Continuous gluing press. L. Quick. 2,620,837, Dec. 9.
Continuous imbricated panel type filter. V. Dahlman. 2,586,616, Feb. 19.
Continuous integrating demand meter. R. J. Owens. 2,606,716, Aug. 12.
Continuous line seismometer. P. H. Foster. 2,581,091, Jan. 1.
Continuous manufacture of extruded clay composition bodies. J. A. Simpson and C. Sutherland. 2,612,706, Oct. 7.
Continuous manufacture of liquid nitric esters. F. A. F. Crawford 2,606,919, Aug. 12.
Continuous maximum-reading damped pressure gauge. W. L. Buffenmeyer. 2,603,092, July 15.
Continuous method for cooling and shaping thermoplastics. K. E. Stober. 2,582,294, Jan. 15.
Continuous method for the manufacture of twistless glass fiber assemblies. J. Verreet. 2,584,517, Feb. 5.
Continuous method of making butt weld tubing. F. J. Kennedy. 2,581,673, Jan. 8.
Continuous mixer. C. A. Williamson. 2,608,394, Aug. 26.
Continuous polymerizing apparatus. I. Allen, Jr., W. R. Marshall, and G. E. Wightman. 2,614,910, Oct. 21.
Continuous process for leaching an iron-aluminum alloy. R. C. McMaster. 2,608,469, Aug. 26.
Continuous process for neutralizing and spray drying an organic sulfonic acid. W. H. Shiffer. 2,594,690, Apr. 29.
Continuous process for penicillin production. P. J. Kolachov and W. C. Schneider. 2,609,327, Sept. 2.
Continuous process for separation of waxlike constituents from oil. W. E. Skelton, I. F. German, Jr., H. A. Kirsch, and W. V. Overbaugh. 2,604,430, July 22.
Continuous process for solvent extraction of castor oil from castor seed. I. M. Colbeth and J. S. F. Carter. 2,616,908, Nov. 4.
Continuous process for the production of anhydrous Glauber's salt. H. J. Hegan. 2,592,139, Apr. 8.
Continuous process for thermal extraction of oil shale. F. E. Buchan. 2,601,257, June 24.
Continuous process of preparing and metal coating rolled steel. R. Hodil. 2,592,282, Apr. 8.
Continuous process rotary apparatus. R. Slama. 2,622,724, Dec. 23.
Continuous proportional sampler. N. Plank. 2,592,464, Apr. 8.
Continuous pulp digester. R. G. Lewis. 2,606,114, Aug. 5.
Continuous recycling of an alcoholic oil solvent in oil extraction. A. C. Beckel and J. C. Cowan. 2,584,108, Feb. 5.
Continuous refining and simultaneous deodorizing raw fats and oils by distilling free aliphatic acids therefrom, Method and apparatus for. V. Mares. 2,594,953, Apr. 29.
Continuous retorting of oil shale. E. W. S. Nicholson and L. I. Griffin, Jr. 2,618,589, Nov. 18.
Continuous rolling mill. J. W. Sheperdson. 2,603,989, July 22.
Continuous rotary drum thickener. C. S. Robison, Jr. 2,598,606, May 27.
Continuous rotary filter. A. Wright. 2,615,575, Oct. 28.
Continuous rotary table filter provided with multiple scroll discharger. H. W. Denhard. 2,588,912, Mar. 11.
Continuous separation of hydrocarbons with cuprous halide absorbents. S. P. Robinson. 2,606,938, Aug. 12.
Continuous setting of knitted fabrics formed of thermoplastic material, Method and apparatus for the. K. E. Pannaci. 2,591,861, Apr. 8.
Continuous settling apparatus. F. M. Archibald. 2,613,811, Oct. 13.
Continuous soapmaking. L. A. Ledgett. 2,594,461, Apr. 29.
Continuous strand helical conveying apparatus. E. T. Lorig. 2,589,411, Mar. 18.
Continuous strip dispenser. R. G. Tuck and C. E. Fisher. 2,587,928, Mar. 4.
Continuous titration apparatus. E. E. Morse. 2,604,383, July 22.
Continuous tube testing apparatus. H. E. Grau. 2,617,292, Nov. 11.
Continuous type furnace. J. L. McFarland and N. B. Jones. 2,588,141, Mar. 4.
Continuous-type spaghetti drier. C. Hummel. 2,583,847, Jan. 29.
Continuous vacuum filtration. W. Kiersted, Jr. and H. H. Gross. 2,612,466, Sept. 30.
Continuous vulcanising method and apparatus. G. E. Berggren. 2,581,230–2, Jan. 1.
Continuous wave detection system. R. C. Eaton. 2,588,094, Mar. 4.
Continuous wave navigation system. W. Palmer. 2,611,127, Sept. 22.
Continuously casting metals, Process of and apparatus for. I. and I. Harter, Jr., and O. R. Carpenter. 2,590,311, Mar. 25.
Continuously cleaning and separating minerals of different settling rates, Method of and apparatus for. C. W. Lotz. 2,609,098, Sept. 2.
Continuously digesting and drying flax straw. E. T. Hodge. 2,591,069, Apr. 1.
Continuously forming thin plastic sheets. H. Warp. 2,598,866, June 3.
Continuously processing ferrous strip or sheet material. A. H. Ward. 2,588,439, Mar. 11.
Continuously regulable drive apparatus. E Karig. 2,621,545, Dec. 16.
Continuously softening water and apparatus therefor. C. Piccardo. 2,604,444, July 22.
Continuously variable-speed turntable driving system. R. A. Mullaney. 2,615,342, Oct. 28.
Continuously weighing aggregate, Method of and apparatus for. R. M. Carrier, Jr., and M. G. Whitley. 2,600,966, June 17.
Contour gauge. H. L. Olson. 2,615,256, Oct. 28.
Contour transfer device. H. G. Cooper. 2,621,415, Dec. 16.
Contra-angle retainer for use with gingival-aperture and cusp-replacing dental matrix bands. B. F. Tofflemire. 2,591,745, Apr. 8.
Contractible ring sleeve locking nut. G. V. Woodling. 2,605,804, Aug. 5.
Contractible split sleeve locking nut. G. V. Woodling. 2,605,805, Aug. 5.
Contrarotating turbojet engine having independent bearing supports for each trurbocompressor. E. L. Hunsaker. 2,608,821, Sept. 2.
Contrivance for the placing of sanitary cotton pads. R. Milcent. 2,607,346, Aug. 19.
Control and cutoff mechanism for filling machines. P. R. Fechheimer. 2,600,982, June 17.
Control and diversion of exhaust pressure in hydraulic mechanisms. F. T. Court. 2,619,074, Nov. 25.

Control and indicating means. H. T. Marcy, E. Mayer, and J. F. Reeves. 2,615,490, Oct. 28.
Control and indicating means for burner igniter torches. V. Z. Caracristi and H. C. Mittendorf. 2,622,669, Dec. 23.
Control and indicator system for machine tools. A. E. Drissner. 2,620,547, Dec. 9.
Control and protection of electric power system. J. D. Miner, Jr., B. O. Austin and R. D. Jessee. 2,590,265, Mar. 25.
Control and resetting mechanism for fluid dispensing apparatus. I. C. Jacobs. 2,599,556, June 10.
Control apparatus. A. E. Bank. 2,585,295, Feb. 12.
Control apparatus. A. E. Baak. 2,589,597, Mar. 18.
Control apparatus. F. R. Fitzgerald. 2,609,183, Sept. 2.
Control apparatus. J. Harrington, Jr. 2,585,120, Feb. 12.
Control apparatus. E. C. Hartwig and W. E. Large. 2,588,523, Mar. 11.
Control apparatus. E. E. Hewitt. 2,608,281, Aug. 26.
Control apparatus. R. H. Olson. 2,582,270, Jan. 15.
Control apparatus. C. M. Sanders. 2,617,598, Nov. 11.
Control apparatus. R. F. Wild. 2,596,751, May 13.
Control apparatus for battery wind chargers. R. N., L. R. and C. N. Gurley. 2,598,662, June 3.
Control apparatus for centralized lubricating systems. H. R. Tear. 2,597,137, May 20.
Control apparatus for conveyer systems. H. E. Daniels. 2,614,684, Oct. 21.
Control apparatus for engine starters. J. H. Bolles. 2,602,143–4, July 1.
Control apparatus for heating plants. T. H. Landgraf and F. A. Furlong. 2,608,349, Aug. 26.
Control apparatus for internal-combustion engines. L. Lee, II. 2,588,546, Mar. 11.
Control apparatus for internal-combustion engines. L. Lee, II. 2,620,783, Dec. 9.
Control apparatus for power-operated gun mounts. F. C. Eastman. 2,596,223, May 13.
Control apparatus for telephone systems. E. W. Breisch and G. W. McKenna. 2,592,650, Apr. 15.
Control apparatus, including an auxiliary power recovery turbine for turbo-supercharged engines. A. B. Newton. 2,622,390, Dec. 23.
Control circuit. O. B. Rudolph. 2,604,612, July 22.
Control circuit. A. M. Seybold. 2,593,350, Apr. 15.
Control circuit for operating switches rearward to calling line, Common. J. Kruithof and L. Kozma. 2,597,007, May 20.
Control circuit for telephone systems. J. O. Shepherd. 2,588,052, Mar. 4.
Control circuit for three-phase welders. J. L. Solomon. 2,623,204, Dec. 23.
Control circuit with temperature and/or humidity compensation. J. W. McNairy. 2,611,854, Sept. 23.
Control circuits. E. C. Hartwig. 2,594,016, Apr. 22.
Control circuits. G. L. Tawney. 2,613,341, Oct. 7.
Control circuits for cathode-ray tubes. J. E. Shepherd and C. H. Gulles. 2,612,621, Sept. 30.
Control device. M. P. Chapman. 2,587,114, Feb. 26.
Control device. B. L. Johnson. 2,620,413, Dec. 2.
Control device. C. G. Kronmiller. 2,587,334, Feb. 26.
Control device. C. G. Kronmiller. 2,613,105, Oct. 7.
Control device. T. E. Larkin. 2,590,022, Mar. 18.
Control device. J. W. McNairy. 2,613,630, Oct. 14.
Control device. H. A. Mudd. 2,591,184, Apr. 1.
Control device. L. M. Persons. 2,620,828, Dec. 9.
Control device. H. W. Rice. 2,603,229, July 15.
Control device. J. S. Silver. 2,601,866, July 1.
Control device. G. F. Wales and P. H. Taylor. 2,619,846, Dec. 2.
Control device. L. Wasson. 2,588,186, Mar. 4.
Control device. O. M. Whitten and R. L. Atkin. 2,586,450, Feb. 19.
Control device body. S. G. Eskin and P. C. Hayden. 2,603,509, July 15.
Control device for aircraft. J. A. M. Lecarme. 2,618,447, Nov. 18.
Control device for airplanes. E. I. Ryder. 2,623,718, Dec. 30.
Control device for change-speed gears. J. A. Gregoire. 2,593,297, Apr. 15.
Control device for dynamoelectric machines. W. A. Carlson, P. M. Martin, and A. Sigel. 2,602,830, July 8.
Control device for fluid pressure systems. H. W. Trevaskis. 2,621,936, Dec. 16.
Control device for gaseous fuel burners. H. W. Rice. 2,591,870, Apr. 8.
Control device for hydraulically operated working cylinders. W. A. Venus. 2,622,565, Dec. 23.
Control device for locking, closing, and ventilating means in windows and doors. E. S. Persson. 2,623,767, Dec. 30.
Control device for locking tractor brakes. K. F. Allen and V. W. Buker. 2,612,059, Sept. 30.
Control device for solid-injection internal-combustion engines. E. Sommer. 2,606,545, Aug. 12.
Control device for the power units of aircraft. H. A. Alexanderson and R. Z. Hague. Re. 23,490, May 20.
Control device for the recording mechanism of weighing apparatus. W. A. van Berkel. 2,604,314, July 22.
Control device for well tools. G. Meyer. 2,618,342, Nov. 18.
Control device with luminous indicator. T. D. de Barraza y Segura. 2,617,910, Nov. 11.
Control electrode for discharge tubes. W. W. Watrous, Jr. 2,610,305, Sept. 9.
Control for automatic slack adjuster. A. W. Donop. 2,606,634, Aug. 12.
Control for cable winding drums. C. H. Willi and N. L. Snowden. 2,596,318, May 13.
Control for diesel-electric drives. K. Hefel. 2,588,627, Mar. 11.
Control for electric irons. E. A. Weiland. 2,613,461, Oct. 14.
Control for electrical cooking appliances. I. R. Chandler. 2,611,070, Sept. 16.
Control for engines employing a pressure fluid medium. A. Horowitz. 2,611,234, Sept. 23.
Control for fishing reels. A. and O. Kovalovsky. 2,608,359, Aug. 26.
Control for fluid pumping and dispensing machines. N. R. Henry. 2,614,185, Oct. 14.
Control for flying model airplanes. D. F. McArthur and W. J. Goertz. 2,601,409, June 24.
Control for free piston engines. W. A. Morain. 2,583,115, Jan. 22.
Control for gas turbine power plants. R. C. Goodwin. 2,589,074, Mar. 11.
Control for heating apparatus. D. F. Jones and B. D. Figg. 2,586,826, Feb. 26.
Control for jarring mechanism in foundry machines. L. C. Young. 2,619,695, Dec. 2.
Control for machine tools. J. E. Makant, G. W. Smithson and K. R. Wunschel. 2,594,782, Apr. 29.
Control for motor cars and the like. C. Werther. 2,603,320, July 15.
Control for motor vehicle transmissions. O. W. Schotz. 2,621,525, Dec. 16.
Control for motorized trucks. C. S. Schroeder. 2,605,008, July 29.
Control for radio frequency heating of rubber. R. S. Enabnit. 2,607,872, Aug. 19.
Control for radio receivers, Combined. P. Lebreton. 2,605,643, Aug. 5.
Control for reciprocating magnetic actuators. A. R. Davidson. 2,623,738, Dec. 30.
Control for setting piling. G. W. Eby. 2,623,770, Dec. 30.
Control for stack supply and stack delivery for printing presses. R. F. Aberle. 2,594,705, Apr. 29.
Control for water softening apparatus. L. G. Lindsay. 2,610,147, Sept. 9.
Control gate. J. A. McKay. 2,601,410, June 24.
Control governor for fluid-operated pumps. C. J. Coberly. 2,589,668, Mar. 18.
Control grille assembly for color-kinescopes, etc. H. B. Law. 2,602,145, July 1.
Control handle for outboard motors. C. A. Coots. 2,600,852, June 17.
Control head and blow-out preventer. G. S. Knox. 2,609,836, Sept. 9.
Control head for devices for filling bottles under counterpressure. G. Stern. 2,605,949, Aug. 5.
Control lever assembly. J. D. Moore and B. S. Wood. 2,587,875, Mar. 4.
Control line compensating apparatus. C. E. Cushman. 2,581,080, Jan. 1.
Control linkage for hydraulic draft regulation of vehicle propelled implements. W. F. Strehlow and I. Kamlukin. 2,611,307, Sept. 23.
Control means. W. Pool and W. I. Taylor. 2,593,602, Apr. 22.
Control means for chain shifting change-speed gears for cycles. J. P. Souhart. 2,583,609, Jan. 29.
Control means for color lighting apparatus. R. G. Williams. 2,591,650, Apr. 1.
Control means for directional signal systems for motor vehicles. W. Paule and M. Knapp. 2,608,627, Aug. 26.
Control means for electrosurgical cutting instruments. R. Hanriot. 2,618,267, Nov. 18.
Control means for gas-turbine or jet engines which facilitates starting of the engine. D. H. Ballantyne. 2,612,751, Oct. 7.
Control means for heaters. J. Hezler, Jr. 2,605,688, Aug. 5.
Control means for high-frequency power oscillators. R. J. Bondley and H. W. Lord. 2,595,756, May 6.
Control means for hydraulic presses. R. Collier. 2,606,610, Aug. 12.
Control means for hydraulically operated weed and brush cutters. E. W. Holmes. 2,588,004, Mar. 4.
Control means for ink fountains. H. R. Leedy and F. A. Myers. 2,607,315, Aug. 19.
Control means for permitting the operation of the washing and rinsing apparatus of a dishwashing machine only when the washing and rinsing chamber of the machine is closed. H. F. Lyman. 2,605,776, Aug. 5.
Control means for power transmission. E. A. Weiss, L. H. Frailing, and R. P. Clifton. 2,592,773, Apr. 15.
Control means for sewing machines. E. P. Turner. 2,618,231, Nov. 18.
Control means for the nozzle outlet area of jet engines. M. H. L. Sédille. 2,580,962, Jan. 1.
Control means for the throttle valves of internal-combustion engines. W. A. McDonald. 2,585,814, Feb. 12.

Control means for variable jet nozzles of jet-propulsion units. A. A. Lombard. 2,619,794, Dec. 2.
Control means for variable load multiple stage gas turbine systems. G. K. W. Boestad and T. I. Lindhagen. 2,622,392, Dec. 23.
Control means for vehicle axles. L. O. Burt. 2,608,401, Aug. 26.
Control means for vehicle mirrors, fog lights, and the like. H. E. Meggitt. 2,614,437, Oct. 21.
Control mechanism. F. S. Boyer. 2,616,306, Nov. 4.
Control mechanism. C. W. Fischer. 2,593,129, Apr. 15.
Control mechanism. D. C. Larson. 2,611,451, Sept. 23.
Control mechanism. H. C. May and R. R. Stevens. 2,594,575, Apr. 29.
Control mechanism. L. J. Moulton. 2,622,402, Dec. 23.
Control mechanism. H. A. Neuman. 2,618,294, Nov. 18.
Control mechanism. F. H. Owens. 2,584,734, Feb. 5.
Control mechanism. R. Pratt. 2,586,085, Feb. 19.
Control mechanism, Adjustably timed. C. D. Johnson and T. R. Heyck. 2,606,609, Aug. 12.
Control mechanism for absorption refrigeration systems. L. H. Leonard, Jr. 2,582,838, Jan. 15.
Control mechanism for automobile windows and the like. H. L. Hill. 2,595,580, May 6.
Control mechanism for brake holders. K. A. Harmon and G. A. Guernsey. 2,583,485, Jan. 22.
Control mechanism for change-speed gearing on motor vehicles. A. C. A. Squire. 2,584,058, Jan. 29.
Control mechanism for hydraulic apparatus. V. V. Biasutta and W. E. Renick. 2,608,182, Aug. 26.
Control mechanism for lumber edger press rollers. J. A. Denton. 2,620,631, Dec. 9.
Control mechanism for machine tools. E. L. McFerren. 2,607,234, Aug. 19.
Control mechanism for machines receiving articles from stacks. C. L. Calkins. 2,623,620, Dec. 30.
Control mechanism for marine engines. J. F. Morse. 2,593,170, Apr. 15.
Control mechanism for roll curve gear-cutting machines. A. A. Grossarth. 2,599,758, June 10.
Control mechanism for rudder and propeller feathering control. J. M. Nissen. 2,597,020, May 20.
Control mechanism for screw machines. X. F. Castelli. 2,588,205, Mar. 4.
Control mechanism for tapping machines. R. N. Knosp, C. E. Linden, and F. O. Wetzel. 2,600,779, June 17.
Control mechanism for vending and like machines. F. E. Erickson and L. K. Roe. 2,613,793, Oct. 14.
Control mechanism for well pumps. J. M. West. 2,587,795, Mar. 4.
Control method and apparatus for arc discharge. L. R. Noffsinger. 2,624,026, Dec. 30.
Control method in reactions between hydrocarbons and metal oxides. W. K. Lewis and E. R. Gilliland. 2,603,608, July 15.
Control of catalyst concentration. A. Clark. 2,583,255, Jan. 22.
Control of corrosion in nitrophenolic compositions. W. J. Hanson and R. W. Nex. 2,623,818, Dec. 30.
Control of flow of fluidized solids. R. P. Trainer and L. E. Border. 2,601,676, June 24.
Control of gas turbines. E. P. Peregrine. 2,604,797, July 29.
Control of impedance of semiconductor amplifier circuits. H. L. Barney. Re. 23,563, Oct. 14.
Control of impedance of semiconductor amplifier circuits. H. L. Barney. 2,585,077, Feb. 12.
Control of independently variable characteristics. F. P. Strother. 2,612,743, Oct. 7.
Control of movable elements. J. Millman. 2,604,614, July 22.
Control of multiengine aircraft. F. R. Elliott. 2,594,888, Apr. 29.
Control of office dictation equipment. B. Roberts. 2,581,144, Jan. 1.
Control of polarization in wave guides and wave guide systems. E. M. Purcell and C. G. and D. D. Montgomery. 2,607,849, Aug. 19.
Control of reagents, Process and apparatus for. J. G. Suthard. 2,607,718, Aug. 19.
Control of steam temperature. J. D. Kuppenheimer. 2,615,435, Oct. 28.
Control of textile fibers during drafting operations. W. F. Bird. 2,595,918, May 6.
Control of the feeding mechanism in sewing machines. A. B. E. Karlsson and A. H. Erikson. 2,600,544, June 17.
Control of the steam generation in electric steam boilers. G. V. Berg and N. J. Hallman. 2,598,490, May 27.
Control of the timing of recurrent signals, Methods and apparatus for the. A. D. Blumlein and E. L. C. White. 2,586,605, Feb. 19.
Control outlet for vacuum cleaning systems. M. L. Cogshell. 2,596,210, May 13.
Control panel for accounting machines. J. M. Cunningham. 2,594,737, Apr. 29.
Control panel for accounting machines. H. D. Earl. 2,594,748, Apr. 29.
Control panel for foundation garments. B. J. Dowd. 2,610,324, Sept. 16.
Control plane for fish lure bodies, Adjustable. W. R. Cowden. 2,580,733, Jan. 1.
Control relay. R. G. Mawney. 2,594,670, Apr. 29.
Control signal generator. A. M. MacCallum. 2,606,944, Aug. 12.
Control station for operating washers with a single bath. B. A. Buss and H. W. Miller. 2,612,035, Sept. 30.
Control surface for airplanes. L. C. Garby. 2,595,192, Apr. 29.
Control switch. S. Crum. 2,596,657, May 13.
Control switch. A. J. Huck. 2,600,652, June 17.
Control switch of the push-push type. A. Simoni. 2,598,613, May 27.
Control switching system for automatic exposure timers. R. H. Lee. 2,611,809, Sept. 23.
Control system. W. I. Bendz. 2,590,491, Mar. 25.
Control system. J. R. Boykin. 2,611,091, Sept. 16.
Control system. D. M. Considine. 2,604,108, July 22.
Control system. E. T. Davis. 2,595,644, May 6.
Control system. P. S. Dickey and A. J. Hornfeck. 2,598,236, May 27.
Control system. G. R. Douglas. 2,597,077, May 20.
Control system. F. H. Fellows and H. C. Wheaton. 2,617,439, Nov. 11.
Control system. W. H. Halley. 2,613,878, Oct. 14.
Control system. A. J. Hornfeck. 2,593,562, Apr. 22.
Control system. A. J. Hornfeck. 2,622,237, Dec. 16.
Control system. A. J. Hornfeck. 2,623,206, Dec. 23.
Control system. A. J. Hornfeck and H. T. Hoffman. 2,594,436, Apr. 29.
Control system. L. Kahn. 2,613,255, Oct. 7.
Control system. G. P. Lessmann. 2,590,628, Mar. 25.
Control system. E. J. Poitras and J. D. Tear. 2,586,990, Feb. 26.
Control system. C. H. Smoot. 2,608,351, Aug. 26.
Control system. F. D. Snyder. 2,597,133, May 20.
Control system. R. B. Werey. 2,616,448, Nov. 4.
Control system. R. F. Wild, C. A. Dyer, J. C. Mouzon, and W. P. Wills. 2,621,298, Dec. 9.
Control system. H. E. Wurzbach. 2,584,076, Jan. 29.
Control system and variable linkage therefor. J. E. Knight. 2,613,891, Oct. 14.
Control system for aircraft control surfaces. J. K. Northrop and T. A. Feeney. 2,582,348, Jan. 15.
Control system for an automotive type of pumper. A. W. Griswold. 2,609,755, Sept. 9.
Control system for boring mills. O. E. Schurr. 2,619,854, Dec. 2.
Control system for carrier telecommunication circuits. L. E. Adler. 2,590,746, Mar. 25.
Control system for catalytic reactors. N. F. Prescott. 2,599,197, June 3.
Control system for controlled airfoils of aircraft. H. L. Price. 2,623,717, Dec. 30.
Control system for dynamoelectric machine utilizing a magnetically controlled electric valve. A. C. Halter. 2,594,015, Apr. 22.
Control system for dynamoelectric machines. A. J. Winchester, Jr. 2,586,412, Feb. 19.
Control system for electric appliances. D. G. Fallon. 2,614,199, Oct. 14.
Control system for electric heating units. L. T. Akeley. 2,606,990, Aug. 12.
Control system for electric steam generators. H. C. Mittendorf and W. L. Paulison, Jr. 2,612,593, Sept. 30.
Control system for electric steam generators. W. L. Paulison, Jr. and H. C. Mittendorf. 2,612,592, Sept. 30.
Control system for electrical musical instruments. W. C. Wayne, Jr. 2,585,357, Feb. 12.
Control system for electrically-operated vehicles. L. J. Hibbard. 2,611,117, Sept. 16.
Control system for fluid fuel burners. V. Weber. 2,610,682, Sept. 16.
Control system for fuel delivery and services. T. E. Larkin. 2,600,240, Aug. 5.
Control system for gas turbine air compressor plants. C. J. Walker. 2,618,431, Nov. 18.
Control system for gas turbine propeller engines. F. C. Mock. 2,616,508, Nov. 4.
Control system for gyro verticals. S. Kellogg, II, R. F. Hays, Jr., and C. E. Barkalow. 2,608,867, Sept. 2.
Control system for hoist motors. D. L. Pettit. 2,590,453, Mar. 25.
Control system for hydraulic apparatus. W. J. F. O'Connor and F. A. Rowen, Jr. 2,619,037, Nov. 25.
Control system for induction motor and breaking generator combinations. R. G. Widdows, A. C. Dyer, and H. J. Rathbun. 2,581,315, Jan. 1.
Control system for induction motors and braking generator combination. H. J. Rathbun. 2,581,292, Jan. 1.
Control system for laundry driers and the like. E. A. Wagner. 2,590,808, Mar. 25.
Control system for magnetic recorders. M. S. Danisch. 2,614,760, Oct. 21.
Control system for matching the speeds of mills and reels. A. C. Halter. 2,601,957, July 1.
Control system for motor vehicle window operators. A. Rappl. 2,585,587, Feb. 12.
Control system for phonographs of the combined recording-reproducing type. R. M. Somers. 2,606,253, Aug. 5.
Control system for photographic document copying machines. A. E. Schubert, J. F. Egan, and R. S. Hopkins. 2,585,276, Feb. 12.
Control system for pneumatic dispatch systems. J. W. Halpern. 2,601,391, June 24.

Control system for subscription type television receivers. E. M. Roschke. 2,619,530, Nov. 25.
Control system for taxicab meters. O. Butler. 2,598,348, May 27.
Control system for taxicab meters. E. E. Libman. 2,585,665, Feb. 12.
Control system for traveling platforms. J. G. Caillard. 2,601,831, July 1.
Control system for turbocharged compression-ignition internal-combustion engines. F. Nettel. 2,608,051, Aug. 26.
Control system of the correspondence kind for movable members. F. H. Belsey and D. T. Broadbent. 2,582,221-2, Jan. 15.
Control system utilizing a minimum excitation control device. D. J. Sikorra. 2,602,154, July 1.
Control system utilizing single point ignition. E. Witzel. 2,610,680, Sept. 16.
Control system with droop correction. E. T. Davis and W. Clark, Jr. 2,594,133, Apr. 22.
Control system with single pulse train. J. H. Hammond, Jr. 2,601,392, June 24.
Control systems. M. A. Edwards and R. A. Brand. 2,607,908, Aug. 19.
Control unit for headlights comprising focal means and remotely controlled stop plate. Glare. G. J. Dion. 2,607,884, Aug. 19.
Control unit for irrigation valves. E. T. Butcher. 2,604,292, July 22.
Control unit for milking machines. A. G. Perkins. 2,614,530, Oct. 21.
Control unit for milking machines. A. G. Perkins. 2,615,423, Oct. 28.
Control unit for visual training devices. F. M. Zuras. 2,588,191, Mar. 4.
Control valve. R. J. Breit and H. C. Schroeder. 2,588,202, Mar. 4.
Control valve. R. E. Hays. 2,601,280, June 24.
Control valve. H. Kirkham. 2,608,624, Sept. 2.
Control valve. P. E. Noll, C. W. Crawford, T. D. Aller, and A. R. Rethey. 2,598,590, May 27.
Control valve. E. C. Raney. 2,602,593, July 8.
Control valve. J. P. C. Raven. 2,608,997, Sept. 2.
Control valve. W. T. Stephens. 2,600,702, June 17.
Control valve. V. N. Tramontini. 2,600,705, June 17.
Control valve for dental drill units. J. E. Held. 2,622,841, Dec. 23.
Control valve for telemotor type hydraulic power lift. J. R. Orelind and C. W. Mott. 2,589,850, Mar. 18.
Control valve means for fluid-actuated servomotors. G. T. Randol. 2,590,888, Apr. 1.
Control valve, such as for refrigerating systems. W. G. Nolcken. 2,613,505, Oct. 14.
Control with column loaded strip. H. F. Clark. 2,618,721, Nov. 18.
Controllable cooling system for internal-combustion engines. F. K. H. Nallinger. 2,611,347, Sept. 23.
Controllable hydraulic power transmission. A. Liljefors. 2,587,866, Mar. 4.
Controllable pitch propeller. A. H. Lockheed. 2,609,056, Sept. 2.
Controllable pitch propeller spaced bearing assembly. A. S. Odevaeff. 2,618,348, Nov. 18.
Controllable reversible pitch propeller. H. J. Nichols. 2,620,040, Dec. 2.
Controllable rocket thrust device. G. C. MacDonald. 2,613,497, Oct. 14.
Controllable space current electron discharge tube with magnetic field. J. H. Burnett. 2,605,437, July 29.
Controllable spray dispenser. A. O. Samuels and S. Kahn. 2,598,308, May 27.
Controllable stop for regulating strokes of fluid pressure apparatus. E. H. Fletcher. Re. 23,537, Aug. 26.
Controlled atmosphere. E. F. Rosenblatt and J. G. Cohn. 2,606,875, Aug. 12.
Controlled discharge foam nozzle. J. Faulkner and A. Toth. 2,609,240, Sept. 2.
Controlled distillation of Oxo alcohols containing high-boiling impurities. J. K. Mertzweiller. 2,614,128, Oct. 14.
Controlled flow heater. F. Hayes. 2,610,553, Sept. 16.
Controlled oxidation of alcohols to aldehydes using sulfur compounds. W. A. Payne and W. E. Vail. 2,618,660, Nov. 18.
Controller. C. F. Miller. Re. 23,554, Sept. 30.
Controller. J. W. Robins. 2,585,347, Feb. 12.
Controller for inductive devices. J. D. Leitch and R. G. Widdows. 2,606,959, Aug. 12.
Controller for monogram signs. L. C. McCarty, Jr., and H. G. Feilo. 2,583,184, Jan. 22.
Controller unit. F. H. S. Rossire. 2,618,446, Nov. 18.
Controlling a burner flame. R. O. Seitz. 2,618,325, Nov. 18.
Controlling air pressure in buildings. W. W. Stuart. 2,610,565, Sept. 16.
Controlling alkalinity of drilling fluids. V. G. Meadors. 2,603,598, July 15.
Controlling and indicating device. H. J. Smith. 2,581,308, Jan. 1.
Controlling and placing of radio-frequency heat in a dielectric. J. W. Mann and G. F. Russell. 2,599,850, June 10.
Controlling chain branching during ethylene polymerization. W. A. Franta. 2,586,322, Feb. 19.
Controlling chemical reactions. D. B. Luten, Jr. 2,590,436, Mar. 25.
Controlling coiling machines. W. D. Boynton. 2,585,994, Feb. 19
Controlling color and flavor in potato chips. P. A. Xander. 2,589,591, Mar. 18.
Controlling combustion of internal-combustion engines. W. R. Hopkins. 2,592,284, Apr. 8.
Controlling device for doors. H. Roche. 2,621,925, Dec. 16.
Controlling device for refrigerator systems. H. C. Miller. 2,587,363, Feb. 26.
Controlling device for winders. F. Landau. 2,602,912, July 8.
Controlling drainage of liquid from washing machines. S. B. F. Carlstedt. 2,604,106, July 22.
Controlling drilling fluid viscosity. V. G. Meadors. 2,589,949, Mar. 18.
Controlling electrical power delivered to a variable impedance load. J. W. Williamson. 2,604,575, July 22.
Controlling fractionating columns, Method and apparatus for. C. J. Schilling. 2,599,133, June 3.
Controlling heat in hot machining processes, Method and apparatus for. R. I. N. Weingart. 2,600,453, June 17.
Controlling heat of reaction by refluxing in the butadiene-diisobutylene copolymerization. J. D. Garber, D. W. Young, and W. J. Sparks. 2,583,420, Jan. 22.
Controlling humidity, Method and apparatus for. B. H. Bush. 2,580,404, Jan. 1.
Controlling machines driven by direct-current motors, Method and apparatus for. G. G. Mozzanini and M. Lebertre. 2,583,301, Jan. 22.
Controlling means for fluid-operated machines. B. Jorgensen. 2,585,131, Feb. 12.
Controlling means for power-operated machines. F. T. McKenzie. 2,608,702, Sept. 2.
Controlling mechanism for flue cleaning means for heating apparatus. J. A. Logan. 2,601,041, June 17.
Controlling, regulating, or governing speeds of rotation, Means for. W. W. Hamill. 2,622,532, Dec. 23.
Controlling temperature of trailer cargo and the like, Method of and apparatus for. R. F. Allyne. 2,589,031, Mar. 11.
Controlling temperatures in a fluidized catalyst hydrocarbon synthesis process. T. C. Main. 2,581,118, Jan. 1.
Controlling the crankcase pressure in internal-combustion engines. Method and apparatus for. F. Alward. 2,612,150, Sept. 30.
Controlling the density of sintered compacts. R. S. Gurnick and R. T. Joy. 2,622,024, Dec. 16.
Controlling the generation and application of heat, Method and apparatus for. W. L. and F. J. Kaehni. 2,604,936, July 29.
Controlling the output of variable displacement pumps. G. J. E. Howard. 2,597,799, May 20.
Controlling the phase of apparatus for generating electrical oscillations. E. L. C. White. 2,622,236, Dec. 16.
Controlling the temperature of exothermic reactions such as the gasification of carbonaceous solids. H. J. Ogorzaly. 2,591,595, Apr. 1.
Controlling the temperature of plastic material, Method of and apparatus for. A. N. Gray. 2,622,469, Dec. 23.
Controlling the tension in strips of paper, yarn, and other long flexible members when being drawn from a carrier. G. T. W. Grieve. 2,619,788, Dec. 2.
Controlling the thickness and uniformity of a liquid coating on wire, Method tnd apparatus for. H. Beedy. 2,589,034, Mar. 11.
Controlling torque transmission through hydrodynamic torque converters. G. L. B. Wahlsten and G. K. W. Boestad. 2,582,300, Jan. 15.
Convection and forced air flow warm air space heating furnace. G. M. Schueder, R. M. Krokos, and P. A. Tracht. 2,603,206, July 15.
Convection - compensating centrifuge. C. F. Hall. 2,584,345, Feb. 5.
Convection heater. I. Jepson and L. J. Koci. 2,619,578, Nov. 25.
Convection inclinometer. R. H. Varian. 2,620,571, Dec. 9.
Convector core hanger. P. F. Brinen. 2,599,891, June 10.
Convector for gas heaters. A. A. Straub. 2,607,577, Aug. 19.
Convector radiator cabinet with removable front panel. A. Wolosianski. 2,622,807, Dec. 23.
Conversion arrangement for suction cleaners. E. J. Balluff. 2,606,336, Aug. 12.
Conversion arrangement for suction cleaners. R. C. Osborn. 2,584,495, Feb. 5.
Conversion of a mixture of hydrocarbonaceous solids and liquid hydrocarbons. L. C. Huff. 2,587,729, Mar. 4.
Conversion of acyloxymethylene-4-pentenoates to ether esters. J. O. Van Hook and W. J. Croxall. 2,582,212, Jan. 8.
Conversion of aromatic hydrocarbons to aldehydes and alcohols. C. Bordenca. 2,619,506, Nov. 25.
Conversion of carbonaceous materials. E. W. Riblett. 2,600,430, June 17.
Conversion of carbonaceous materials into a fuel gas. J. C. Kalbach. 2,609,283, Sept. 2.
Conversion of carbonaceous solids into volatile products. H. Z. Martin. 2,582,710, Jan. 15.

Conversion of estrone compounds to estradiol compounds. J. H. Biel. 2,623,886, Dec. 30.
Conversion of heavy carbonaceous oils to motor fuels, fuel gas, and synthesis gas. C. A. Coghlan. 2,605,215, July 29.
Conversion of hydrocarbon disulfides to sulfonyl chlorides. W. A. Proell, W. B. Chilcote, and B. H. Shoemaker. 2,598,014, May 27.
Conversion of hydrocarbon oil to diesel fuel and carbon black. C. J. Helmers and E. V. Mathy. 2,608,470, Aug. 26.
Conversion of hydrocarbonaceous material into synthesis gas. L. Jacolev and L. P. Gaucher. 2,606,826, Aug. 12.
Conversion of hydrocarbons and the stripping of vaporizable hydrocarbons from the fouled catalyst, Process and apparatus for the. C. A. Rehbein. 2,606,863, Aug. 12.
Conversion of hydrocarbons with platinum composite catalyst. V. Haensel. 2,602,772, July 8.
Conversion of hydrocarbons with the use of a hydrogen fluoride composite catalyst. J. E. Penick. 2,606,860, Aug. 12.
Conversion of metal sulfides. A. Bonnington. 2,586,606, Feb. 19.
Conversion of nitroamines to lower amines. C. T. Bahner. 2,615,920, Oct. 28.
Conversion of oil residua to lighter hydrocarbons. R. W. Blue and C. J. Engle. 2,620,293, Dec. 2.
Conversion of olefins, carbon monoxide, and hydrogen. B. L. Evering and E. F. Peters. 2,606,939, Aug. 12.
Conversion of Portland cement kiln dust to an adsorbent material and adsorbent material made thereby. H. C. McCants. 2,605,236, July 29.
Conversion of propylene polymers. L. F. Brooke. 2,599,743, June 10.
Conversion system for suction cleaners. E. J. Balluff. 2,606,337, Aug. 12.
Converter. R. Adler. 2,616,033, Oct. 28.
Converter. H. Aeschlimann. 2,617,975, Nov. 11.
Converter attachment for suction cleaners. N. C. Cuddeback. 2,601,696, July 1.
Converter with electromagnetic switches. F. Kesselring. 2,619,628, Nov. 25.
Convertible automobile and general freight carrying traller. L. M. Francis. 2,587,456, Feb. 26.
Convertible cleaning machine for automobile cooling systems and automobile parts. A. J. Boyer. 2,593,256, Apr. 15.
Convertible clothes or dish washer. D. L. Kelley and A. von Hanse. 2,603,097, July 15.
Convertible couch, settee, divan, and the like. J. Unterhalter. 2,607,048, Aug. 19.
Convertible flush and surface mountable panel board box. T. M. Cole. 2,612,283, Sept. 30.
Convertible high and low chair. L. T. Tuttle. 2,584,642, Feb. 5.
Convertible seat and sleeping berth in aircraft. G. A. Jergenson. 2,608,366, Aug. 26.
Convertible steel top, Automatic. C. V. Catell. 2,623,779, Dec. 30.
Convertible table. M. A. Boyes and J. E. Coates. 2,583,811, Jan. 29.
Convertible top. R. Hawver and R. F. Velten. 2,617,681, Nov. 11.
Convertible top mechanism. A. Rappl. 2,594,494, Apr. 29.
Convertible vehicle. L. E. Fisher. 2,582,687, Jan. 15.
Converting a potassium salt of a highly nitrated secondary aromatic amine to free amine and potassium nitrate. J. H. Dijkema and J. Pluim. 2,595,568, May 6.
Converting air conditioning systems. H. H. Herman. 2,588,723, Mar. 11.
Converting carbohydrates into bituminous substances. E. V. Murphree. 2,581,130, Jan. 1.
Converting carbon to electrical energy. E. Gorin. 2,581,650, Jan. 8.
Converting device. B. S. Benson and R. E. Brown. 2,620,981, Dec. 9
Converting hydrocarbon material. J. W. Barker. 2,621,148, Dec. 9.
Converting hydrocarbons in the presence of a stabilized phosphoric acid catalyst. J. H. Karchmer. 2,620,361, Dec. 2.
Converti-plane. A. I. Roman. 2,621,001, Dec. 9.
Conveyer. L. A. Collis. 2,591,237, Apr. 1.
Conveyer. H. J. Ferguson. 2,622,721, Dec. 23.
Conveyer. J. L. Gibson. 2,605,886, Aug. 5.
Conveyer. O. J. B. Orwin. 2,588,282, Mar. 4.
Conveyer. M. N. Rainier. 2,619,916, Dec. 2.
Conveyer. A. G. Rose. 2,586,263, Feb. 19.
Conveyer. O. A. Steffens. 2,585,414, Feb. 12.
Conveyer. S. W. Sterling. 2,596,615, May 13.
Conveyer and chute, Vertically swingable. E. M. Crosland. 2,612,985, Oct. 7.
Conveyer and feeder for loose solids, Pneumatic. H. W. Hill. 2,623,793, Dec. 30.
Conveyer and gatherer for grain, Portable. A. G. Slocum. 2,592,480, Apr. 8.
Conveyer and jack for shifting the same. T. McCulloch. 2,598,815, June 3.
Conveyer and transfer mechanism for wrapping machines. O. Sandberg. 2,614,679, Oct. 21.
Conveyer apparatus. H. L. Biliterman. 2,614,707, Oct. 21.
Conveyer apparatus. O. Grosvenor. 2,592,275, Apr. 8.
Conveyer apparatus. O. Grosvenor. 2,597,930, May 27.
Conveyer apparatus. E. Smart. 2,622,541, Dec. 23.
Conveyer apparatus for carrying trays. S. H. Perky. 2,611,472, Sept. 23.
Conveyer apparatus for handling and packaging eggs. E. W. Fahey. 2,608,284, Aug. 26.
Conveyer, Baled hay. S. F. Smith. 2,605,884, Aug. 5.
Conveyer, Belt. F. Bainbridge. 2,622,723, Dec. 23.
Conveyer belt apparatus. T. S. Skillman. 2,591,971, Apr. 8.
Conveyer belt for cartridge belting machines. M. V. Churchill. 2,619,000, Nov. 25.
Conveyer belt support. J. R. Madeira. 2,619,221, Nov. 25.
Conveyer belt supporting means. D. C. Owens. 2,591,860, Apr. 8.
Conveyer belt supporting mechanism. A. L. Lee. 2,613,117, Oct. 7.
Conveyer boom hoisting system. R. N. Bennett. 2,623,629, Dec. 30.
Conveyer, Cable-mounted flight. H. W. Hapman. 2,595,941, May 6.
Conveyer carrier bar. C. S. Kubisiak. 2,588,984, Mar. 11.
Conveyer, Carrier-type endless. F. G. Mitchell. 2,582,881, Jan. 15.
Conveyer, Cement. G. O. Hoffstetter. 2,614,708, Oct. 21.
Conveyer, Chain. A. G. Rose. 2,583,708, Jan. 29.
Conveyer chain. J. W. Sheehan. 2,600,174, June 10.
Conveyer control device. J. V. Smith. 2,621,775, Dec. 16.
Conveyer, Counterbalanced shaker. J. Sabes. 2,587,229, Feb. 26.
Conveyer, Crate. A. L. Eshelman. 2,601,507, June 24.
Conveyer, Dipping. T. H. Curtis. 2,605,882, Aug. 5.
Conveyer drive. H. and V. Bobrowski. 2,619,224, Nov. 25.
Conveyer drive. C. Matthews and H. M. Wenger. 2,593,470, Apr. 22.
Conveyer drive control. F. A. Terhune. 2,609,085, Sept. 2.
Conveyer, Endless bucket. F. G. Mitchell. 2,595,689, May 6.
Conveyer feeding device. J. B. Caldwell, A. A. Ginsberg, and S. W. Wolf. 2,595,762, May 6.
Conveyer, Flight. H. W. Hapman. 2,607,469, Aug. 19.
Conveyer, Flight. H. W. Hapman. 2,609,081, Sept. 2.
Conveyer flight. M. G. Jewett and B. E. Sivyer. 2,580,786, Jan. 1.
Conveyer flight. D. A. Price, Sr. 2,595,703, May 6.
Conveyer flight and chain link. R. S. Miller. 2,614,685, Oct. 21.
Conveyer for bar material. H. H. M. Busch-Jensen. 2,619,220, Nov. 25.
Conveyer for correcting feed of paper, Auxiliary. G. Babicz. 2,604,322, July 22.
Conveyer for feeding and spreading loose fiber into sheet form. L. A. Runton. 2,594,591, Apr. 29.
Conveyer for grain and like materials. A. Redler. 2,601,558, June 24.
Conveyer for gravity conveyer systems, Booster. A. G. Rose. 2,593,699, Apr. 22.
Conveyer for harvesters, Adjustable. H. D. Hume. 2,603,346, July 15.
Conveyer for powdered material, Pressurized. H. W. Hapman. 2,609,250, Sept. 2.
Conveyer for soldering machines. O. Wisner. 2,609,078, Sept. 2.
Conveyer for supplying printing plates to presses. W. Gibson and G. S. Bull. 2,620,912, Dec. 9.
Conveyer for supporting conductors or cables in vulcanizing tubes, Endless. T. K. Cox. 2,599,746, June 10.
Conveyer frame connection. A. W. Duncan. 2,605,887, Aug. 5.
Conveyer, Garment. H. L. Thompson. 2,582,178, Jan. 8.
Conveyer guard. W. J. E. S. Seigh and D. J. Du Chene. 2,582,508, Jan. 15.
Conveyer having dust separnting and removal means. L. T. Cookson. 2,595,226, May 6.
Conveyer having means to discharge refuse carried beneath the conveyer. L. H. Jones. 2,600,056, June 10.
Conveyer having pivotal pan. E. J. Albright. 2,590,291, Mar. 25.
Conveyer having retractable flights, Endless. H. J. Werden. 2,591,987, Apr. 8.
Conveyer, Hook. J. M. Leach. 2,609,082, Sept. 2.
Conveyer idler. W. A. Chapman. 2,613,802, Oct. 14.
Conveyer idler, Multirubber tired. S. M. Mercier. 2,596,499, May 13.
Conveyer, Live roller. I. S. Eggleston. 2,602,536, July 8.
Conveyer loader. C. J. Nagel. 2,586,981, Feb. 26.
Conveyer loading station. J. R. Madeira. 2,606,646, Aug. 12.
Conveyer, Longitudinally and transversely adjustable. A. D. Brent. 2,609,076, Sept. 2.
Conveyer lubricant dispenser. S. J. Miller. 2,603,534, July 15.
Conveyer lubricator. W. A. J. Govan. 2,604,199, July 22.
Conveyer, Material feeding. S. R. Howard. 2,610,726, Sept. 16.
Conveyer mechanism. S. T. Carter. 2,612,254, Sept. 30.
Conveyer mechanism. J. Fallon. 2,620,918, Dec. 9.
Conveyer mechanism for confectionary machines. G. S. Perkins. 2,585,829, Feb. 12.

Conveyer mechanism for folding carton blanks. A. W. Liebl. 2,598,809, June 3.
Conveyer mechanism for printing presses. R. F. Aberle. 2,594,704, Apr. 29.
Conveyer mechanism for spring cambering machine. G. R. Reed. 2,615,558, Oct. 28.
Conveyer mechanism for wrapping machines. J. A. Mason and W. A. Roffey. 2,587,499, Feb. 26.
Conveyer mechanism for wrapping machines and the like. J. W. Smith. 2,620,608, Dec. 9.
Conveyer of the belt type, Endless. D. F. Przybylski. 2,584,288, Feb. 5.
Conveyer, particularly for heating furnaces. R. E. Buckholdt. 2,583,764, Jan. 29.
Conveyer, Portable. C. C. Baldwin. 2,605,885, Aug. 5.
Conveyer, Portable. J. F. Joy. 2,616,553, Nov. 4.
Conveyer, Portable collapsible. O. P. N. Zopf. 2,590,359, Mar. 25.
Conveyer, Portable elevating. I. Z. Smoker. 2,620,934, Dec. 9.
Conveyer, Portable grain. H. Bobrowski. 2,601,916, July 1.
Conveyer, Portable loading and unloading. G. Manierre. 2,596,265, May 13.
Conveyer, Portable power-driven coal. H. B., and C. S. Phillips. 2,599,659, June 10.
Conveyer, Power driven roller. H. R. Gotthardt. 2,609,917, Sept. 9.
Conveyer, Reversible. W. W. Cushman. 2,594,295, Apr. 29.
Conveyer, Roller. E. T. Lorig. 2,622,720, Dec. 23.
Conveyer, Scraper. W. Weir. 2,610,730, Sept. 16.
Conveyer, Screw. R. L. Beldin. 2,610,727, Sept. 16.
Conveyer sealing device. H. W. Hapman. 2,586,537, Feb. 19.
Conveyer shaft counterbalancing and indicating apparatus. S. M. Mercier. 2,588,864, Mar. 11.
Conveyer, Sheeted dough transfer. M. A. Sticelber. 2,600,281, June 10.
Conveyer, Shingle. W. H. Alden, Jr. 2,612,984, Oct. 7.
Conveyer skirt and apron holder. R. E. Roberts. 2,593,610, Apr. 22.
Conveyer structure, Flight. H. W. Hapman. 2,586,538, Feb. 19.
Conveyer switching system. K. Mullerheim. 2,614,506, Oct. 21.
Conveyer swivel joint. M. A. Gleeson. 2,604,201, July 22.
Conveyer system. A. T. C. Burrows. 2,612,847, Oct 7.
Conveyer system. H. E. Steinhoff. 2,604,970, July 29.
Conveyer system. J. W. Whaley. 2,600,038, June 10.
Conveyer system for handling picker laps. C. L. Still. 2,588,942, Mar. 11.
Conveyer system for receptacles fed to filler machines. C. N. Bergmann. 2,599,221, June 3.
Conveyer system for spoolers and the like. G. E. Shand, Jr. 2,614,682, Oct. 21.
Conveyer system for unloading wagons. D. K. Hon, Jr. 2,605,913, Aug. 5.
Conveyer system for vehicles. F. A. Beyer and R. A. Bradley. 2,615,587, Oct. 28.
Conveyer system, Single- and double-track. A. G. Rose. 2,586,264, Feb. 19.
Conveyer traction block. P. A. Solem. 2,607,470, Aug. 19.
Conveyer traffic control mechanism. N. M. Sullivan. 2,617,516, Nov. 11.
Conveyer trough. A. G. Granath. 2,591,929, Apr. 8.
Conveyer, Troughed belt. D. C. Pettyjohn. 2,594,342, Apr. 29.
Conveyer type display rack. H. A. Block. 2,603,300, July 15.
Conveyer with adjustable hopper. J. P. Carroll and G. H. Martin. 2,619,219, Nov. 25.
Conveying apparatus. A. R. De Burgh. 2,609,915, Sept. 9.
Conveying apparatus. R. Kinnicutt, Jr. 2,619,216, Nov. 25.
Conveying apparatus for beheaded fish. N. L. Oates. 2,585,267, Feb. 12.
Conveying device. K. Rosetz. 2,623,625, Dec. 30.
Conveying disk for heat-treating furnaces. W. E. Blythe. 2,621,033, Dec. 9.
Conveying means for harvester headers. O. R. Schoenrock. 2,608,041, Aug. 26.
Conveyor chain. T. C. Mann. 2,593,324, Apr. 15.
Conveyor drive. L. A. Collis. 2,583,471, Jan. 22.
Conveyor, Fish. N. Kaplan. 2,589,701, Mar. 18.
Conveyor, Switching type. W. Bacon and K. H. Hansen. 2,593,242, Apr. 15.
Cooked cured meats, Preparing. G. E. Brissey. 2,596,067, May 6.
Cooker, Brewer's cereal. F. Muller. 2,592,170, Apr. 8.
Cooker, Deep well electric. W. J. Miller. 2,601,546, June 24.
Cooker, Packaged article. G. D. Elmer. 2,614,480, Oct. 21.
Cooker, Pressure. M. Keller. 2,608,318, Aug. 26.
Cooking and canning meat patties. J. Hoffman and A. Gruff. 2,584,584, Feb. 5.
Cooking apparatus, Electrical. B. Ames. 2,581,343, Jan. 8.
Cooking appliance. E. A. Farr. 2,610,572, Sept. 16.
Cooking appliance, Electric. H. H. Miller. 2,588,145, Mar. 4.
Cooking device. R. Ridgely. 2,588,046, Mar. 4.
Cooking device. M. B. Stillphen. 2,584,061, Jan. 29.
Cooking device, Combination. J. F. Kane. 2,588,846, Mar. 11.
Cooking device, Electrical. R. E. Kennedy. 2,611,067, Sept. 16.
Cooking liquor treatment. J. M. Kahn. 2,592,907, Apr. 15.
Cooking range hood. H. E. Nicol. 2,582,884, Jan. 15.
Cooking spoon holder. G. M. Halladay. 2,605,624, Aug. 5.
Cooking stove ventilating hood. R. B. Sonntag. 2,596,874, May 13.
Cooking utensil cover. M. Barranco. 2,606,686, Aug. 12.
Cooking utensil, its method of preparation, and the baking of bread therein. W. R. Collings. 2,606,510, Aug. 12.
Cooking vessel. G. A. Lyon. 2,621,825, Dec. 16.
Cooky bag. C. D. Mullinix. 2,582,346, Jan. 15.
Cooky making machine. A. E. Hein. 2,582,542, Jan. 15.
Cooky making machine. R. J. Williams. 2,597,271, May 20.
Cooky molding cutter. N. C. McBirney. 2,596,159, May 13.
Coolant device for tools. E. K. Allen, Jr. 2,582,667, Jan. 15.
Coolant system for grinding machines. J. S. Mathews. 2,586,242, Feb. 19.
Cooled bladed rotor. J. Atkinson. 2,613,058, Oct. 7.
Cooler: *See*—

Air cooler.	Milk cooler.
Beverage cooler.	Oil cooler.
Clinker cooler.	Plate cooler.
Evaporative cooler.	Protected cooler.
Evaporative water cooler.	Room cooler.
Foundry sand cooler.	Self-operating evaporative cooler.
Liquid cooler.	Side opening milk cooler.
Marine engine water cooler.	Water cooler.
Milk can cooler.	

Cooler and carbonator. J. L. Barr. 2,601,493, June 24.
Cooler and evaporator coil therefor, Liquid. L. J. Sahs. 2,594,502, Apr. 29.
Cooling and conveying material. A. C. Christensen. 2,607,199, Aug. 19.
Cooling and dispensing beverages. J. Berkowitz. 2,598,751, June 3.
Cooling and sealing means for disk atomizer shafts. C. Andermatt. 2,584,973, Feb. 12.
Cooling apparatus for use with aero or other engines. C. L. Cowdrey and K. H. Greenly. 2,593,541, Apr. 22.
Cooling basin for air conditioning units. C. C. Rouse. 2,591,100, Apr. 1.
Cooling bulk material. L. S. Petersen. 2,587,378, Feb. 26.
Cooling concrete mixture components, Method and apparatus for. E. Bertsch. 2,595,631, May 6.
Cooling device for drinks, soups, or the like. H. Radford. 2,591,375, Apr. 1.
Cooling device for engines. F. Trembley. 2,597,549, May 20.
Cooling explosion engines. A. A. A. Darche. 2,584,560, Feb. 5.
Cooling gases containing condensible material. P. C. Keith. 2,601,298, June 24.
Cooling heavy duty motors. R. I. Robinson. 2,613,240, Oct. 7.
Cooling hot gaseous suspensions of carbon black. M. R. Howell. 2,594,171, Apr. 22.
Cooling means for clutches and brakes. A. C. Sampietro. 2,622,216, Dec. 16.
Cooling means for elevator bearing shafts. S. M. Mercier. 2,607,637, Aug. 19.
Cooling means for gas turbine wheels. J. S. Alford. 2,605,081, July 29.
Cooling means for turbines. F. P. Sollinger. 2,603,453, July 15.
Cooling means for variable area nozzles. C. R. Brown. 2,603,060, July 15.
Cooling off of sand and gravel. J. D. Christian. 2,585,739 Feb. 12.
Cooling of gas turbine engine flame tubes. D. E. Morrison. 2,612,023, Sept. 30.
Cooling of sprayed products. J. A. Monick. 2,612,266, Sept. 30.
Cooling sulfur burner gas. H. A. du Bois. 2,598,116, May 27.
Cooling system and control. H. M. Mautner and A. J. Weiss. 2,620,635, Dec. 9.
Cooling system for air supplied to compartments of aircraft. W. F. Mayer. 2,581,964, Jan. 8.
Cooling system for combustion gas turbines. W. J. Parducci. 2,620,123, Dec. 2.
Cooling system for continuous casting molds. I. Rossi. 2,613,411, Oct. 14.
Cooling system for electron tubes and other devices. W. E. Brown. 2,593,260, Apr. 15.
Cooling system for industrial ovens of the conveyer type. C. F. Mayer. 2,603,882, July 22.
Cooling system for internal-combustion engines. H. H. Albinson. 2,608,961, Sept. 2.
Cooling system for internal-combustion engines. J. C. Slonneger. 2,612,881, Oct. 7.

Cooling system for internal-combustion engines. A. Tchaoussoglou. 2,606,540, Aug. 12.
Cooling system for motor vehicles. C. K. Mousel. 2,587,197, Feb. 26.
Cooling system for V-engines. C. H. Bouvy. 2,585,083, Feb. 12.
Cooling the air supplied to internal-combustion engines. Method and apparatus for. W. R. Crooks. 2,600,736, June 17.
Cooling tower. N. B. Lau Bach. 2,606,008, Aug. 5.
Cooling tower. T. S. Park, Sr., and T. S. Park, Jr. 2,608,398, Aug. 26.
Cooling unit. M. B. Lemeshka. 2,595,150, Apr. 29.
Cooling unit for refrigeration apparatus. W. G. Kögel. 2,619,805, Dec. 2.
Cooper, Barrel type. N. J. Peters and W. Bradley. 2,591,601, Apr. 1.
Coordinated clutch and brake control for vehicle driving mechanism. H. M. Stueland. 2,596,053, May 6.
Coordinated turn controller for automatic pilot systems. P. A. Noxon. 2,585,162, Feb. 12.
Coordination circuit. J. Millman. 2,605,408, July 29.
Coordination control circuit. M. E. Bivens. 2,612,579, Sept. 30.
Cop winding machine. A. R. Wood. 2,595,040, Apr. 29.
Cop winding machine with bunch builder. W. Siegenthaler. 2,593,354, Apr. 15.
Copolymer of acrylonitrile and an ethylenic dicarboxylic acid monoester of a cyanoalcohol. G. F. D'Alelio. 2,583,327, Jan. 22.
Copolymer of styrene and rosin, and esters thereof with the alcoholysis product of a drying oil and a polyhydric alcohol containing free hydroxyl groups. J. A. Arvin and W. B. Gitchel. 2,580,876, Jan. 1.
Copolymer of styrene, glycidyl acrylate and glycidyl methacrylate. J. G. Erickson and W. M. Thomas. 2,580,901, Jan. 1.
Copolymeric siloxanes. A. J. Barry and J. W. Gilkey. Re. 23,502, May 27.
Copolymerization of divinyl benzene and isobutylene. L. M. Welch. 2,609,363, Sept. 2.
Copolymerization of 1,3-butadienes with dialkyl methylenemalonates. R. H. Ewart and W. V. Smith. 2,610,964, Sept. 16.
Copolymerization of vinyl monomers with fatty oils, fatty acids, resins and the like. E. C. Haines. 2,602,071, July 1.
Copolymerizing acrylonitrile and vinylidene chloride at constant reflux temperature. G. E. Ham. 2,610,173, Sept. 9.
Copolymerizing conjugated dienes with unsaturated esters in aqueous emulsion. H. F. Park. 2,600,680, June 17.
Copolymerizing conjugated dienes with unsaturated nitriles in aqueous emulsion. H. F. Park. 2,600,679, June 17.
Copolymerizing ethylene with butadiene. B. S. Friedman. 2,599,249, June 3.
Copolymers containing polymerized allyloxyacetic acid. H. S. Rothrock. 2,607,760, Aug. 19.
Copolymers, Dyeable. G. E. Ham. 2,595,848, May 6.
Copolymers from allyl esters and acrylic esters. W. L. Van Horne, L. N. Bauer, and H. T. Neher. 2,600,448, June 17.
Copolymers from allyl esters and methacrylic esters. L. N. Bauer, H. T. Neher and W. L. Van Horne. 2,600,383, June 17.
Copolymers from quaternary salts of butene-1 derivatives. M. R. Lytton. 2,617,781, Nov. 11.
Copolymers obtained from trifluorochloroethylene and methyl methacrylate. F. G. Pearson. 2,610,174, Sept. 9.
Copolymers of a polyene, an alkene, and an olefinically unsaturated aromatic hydrocarbon. W. J. Sparks and D. W. Young. 2,609,359, Sept. 2.
Copolymers of acrylates and allyl esters. H. T. Neher, W. L. Van Horne and L. N. Bauer. 2,600,421, June 17.
Copolymers of acrylic and vinyl esters. W. L. Van Horne, H. T. Neher and L. N. Bauer. 2,600,450, June 17.
Copolymers of acrylonitrile and amine oxides. M. R. Lytton. 2,586,238, Feb. 19.
Copolymers of acrylonitrile and N-allyl and N-2-methallyl acylamides. J. R. Caldwell. 2,596,650, May 13.
Copolymers of allyl acetamides. C. A. Weisgerber. 2,592,218, Apr. 8.
Copolymers of allyl esters and maleates. W. L. Van Horne, L. N. Bauer and H. T. Neher. 2,600,447, June 17.
Copolymers of allyloxyethanol with acrylonitrile and/or methacrylonitrile. H. S. Rothrock. 2,605,258, July 29.
Copolymers of beta, gamma unsaturated alkenyl esters of aryl phosphonic acid with unsaturated alkyd resins. A. D. F. Toy and L. V. Brown. 2,586,885, Feb. 26.
Copolymers of chlorotrifluoroethylene, and olefinic hydrocarbon and a vinyl carboxylate. R. M. Joyce, Jr. 2,599,640, June 10.
Copolymers of cyclopentadiene. H. L. Gerhart. 2,601,273, June 24.
Copolymers of diallyl endomethylene tetrahydrophthalate and an unsaturated mixed polyester. R. J. Agnew. 2,584,316, Feb. 5.
Copolymers of di beta, gamma unsaturated alkenyl alpha, beta unsaturated alkenylphosphonates with unsaturated alkyd resins. A. D. F. Toy and L. V. Brown. 2,586,884, Feb. 26.
Copolymers of dichlorodifluoroethylene and ethylene. W. E. Hanford. 2,584,126, Feb. 5.
Copolymers of dichlorostyrene and certain esters of olefin polycarboxylic acids. R. C. Feagin and D. Bandel, 2,603,625, July 15.
Copolymers of dimethyl itaconate and conjugated diolefins. F. W. Banes and E. Arundale. 2,619,477, Nov. 25.
Copolymers of dimethylstyrenes and vinyl acyclic compounds. E. L. Kropa. 2,600,783, June 17.
Copolymers of dimethylstyrenes and vinyl cyclic compounds. E. L. Kropa. 2,600,782, June 17.
Copolymers of ethylene with an alkyl acrylate and an alkyl monoester of a butene-1,4-dioic acid. P. S. Pinkney, B. C. Pratt, and W. J. Wayne. 2,599,123, June 3.
Copolymers of fatty oil modified polyesters and vinyl monomers. J. Wynstra. 2,600,457, June 17.
Copolymers of halogenated unsaturated polycarboxylic acids and polyunsaturated compounds. J. R. Dudley. 2,595,779, May 6.
Copolymers of maleic anhydride. S. B. Luce. 2,602,786, July 8.
Copolymers of maleic anhydride with allyl esters of alkylidene-bis-aromatic carbonates. E. J. Carlson. 2,587,442, Feb. 26.
Copolymers of maleic anhydride with esters of itaconic acid and salts thereof as viscosity index improvers and pour point depressants. J. J. Giammaria. 2,616,849, Nov. 4.
Copolymers of methacrylanilide with higher alkyl acrylic esters. W. E. Catlin. 2,584,968, Feb. 12.
Copolymers of methacrylates and allyl esters. W. L. Van Horne, L. N. Bauer and H. T. Neher. 2,600,446, June 17.
Copolymers of methacrylic and vinyl esters. W. L. Van Horne, L. N. Bauer and H. T. Neher. 2,600,451, June 17.
Copolymers of 1-alkenyl nitriles and allylic esters of aromatic dicarboxylic acids. E. C. Shokal and C. W. Schroeder. 2,596,945, May 13.
Copolymers of oxidized isobutylene fractions with hydrocarbons. E. M. Geiser and A. J. de Rosset. 2,611,764, Sept. 23.
Copolymers of perfluoropropane and tetrafluoroethylene and making same. W. T. Miller. 2,598,283, May 27.
Copolymers of polyesters and conjugated dienes. R. J. Agnew. 2,595,625, May 6.
Copolymers of trifluorochloroethylene and styrene. F. G. Pearson. 2,584,284, Feb. 5.
Copolymers of unsaturated alkyd resins and acrylamido compounds. E. L. Kropa. 2,598,663, June 3.
Copolymers of unsaturated amido compounds. E. L. Kropa. 2,598,664, June 3.
Copolymers of vinyl chloride, allyl glycidyl ether, and an allyloxyalkanoic acid. E. K. Ellingboe and H. S. Rothrock. 2,607,754, Aug. 19.
Copolymers of vinylidene cyanide and isopropenyl esters. H. Gilbert and F. F. Miller. 2,615,873, Oct. 28.
Copolymers of vinylidene cyanide and propylene. H. Gilbert and F. F. Miller. 2,615,874, Oct. 28.
Copolymers of vinylidene cyanide and vinyl esters of alpha-halogen substituted acids. H. Gilbert and F. F. Miller. 2,615,876, Oct. 28.
Copolymers of vinylidene cyanide with aliphatic conjugated diolefins. S. J. Averill. 2,615,873, Oct. 28.
Copolymers of vinylidene cyanide with alkyl acrylates. V. L. Folt. 2,615,880, Oct. 28.
Copolymers of vinylidene cyanide with alkyl methacrylates. V. L. Folt 2,615,871, Oct. 28.
Copolymers of vinylidene cyanide with alpha-substituted esters of acrylic acid. V. L. Folt and H. Gilbert. 2,615,879, Oct. 28.
Copolymers of vinylidene cyanide with halogenated butadiene-1,3 hydrocarbons. S. J. Averill. 2,615,872, Oct. 28.
Copolymers of vinylidene cyanide with monoolefins. A. E. Ardis. 2,615,865, Oct. 28
Copolymers of vinylidene cyanide with 1,2-dihalo ethylenes. V. L. Folt. 2,615,878, Oct. 28.
Copolymers of vinylidene cyanide with styrene and substituted styrenes. F. F. Miller. 2,615,868, Oct. 28.
Copolymers of vinylidene cyanide with 2-mono-halogenated monoolefins. V. L. Folt. 2,615,877, Oct. 28.
Copolymers of vinylidene cyanide with vinyl chloride. V. L. Folt. 2,615,869, Oct. 28.
Copolymers of vinylidene cyanide with vinyl esters. H. Gilbert and F. F. Miller. 2,615,866, Oct. 28.
Copolymers of vinylidene cyanide with vinyl esters of aromatic acids. H. Gilbert and F. F. Miller. 2,615,867, Oct. 28.
Copolymers of vinylidene cyanide with vinylidene chloride. V. L. Folt. 2,615,870, Oct. 28.
Copper brazing compositions. L. G. Klinker. 2,606,132, Aug. 5.
Copper compounds and manufacture thereof. W. J. Harshaw and J. O. Hay. 2,581,951, Jan. 8.
Copper-containing azo dyestuffs. W. Wehrli. 2,620,331, Dec. 2.
Copper-containing phosphoric acid catalyst. Preparation of. M. S. Bielawski and J. M. Mavity. 2,618,614, Nov. 18.
Copper oxide rectifiers. Manufacture of. H. L. Taylor and L. K. Hedding. 2,614,052, Oct. 14.

Coprecipitated alumina-metal oxide gel catalysts and their preparation. J. R. Owen and J. W. Myers. 2,601,624, June 24.
Coprecipitated silver-beryllium oxide catalyst. G. W. Sears, Jr. 2,605,239, July 29.
Coprecipitation of thermoplastic resinous materials with cationic reaction product of polyfunctional amino compounds and aldehydes. L. H. Wilson and C. G. Landes. 2,607,750, Aug. 19.
Copyholder. J. P. Halstead. 2,596,239, May 13.
Copyholder. C. C. Kao and J. T. Donnelly. 2,617,386, Nov. 11.
Copyholder. R. G. Lewis. 2,620,771, Dec. 9.
Copyholder. J. L. Macauley and A. Dal Favero. 2,612,865. Oct. 7.
Copyholder. S. Sattler. 2,610,610, Sept. 16.
Copyholder and bookholder and line follower. H. B. Abbott. 2,612,866, Oct. 7.
Copyholder paper support. C. H. Koeppel. 2,586,059, Feb. 19.
Copyholder, Typist's. R. E. McGraw and J. F. Warden. 2,606,528, Aug. 12.
Copy table for document photographing machines. A. Briechle. 2,608,407, Aug. 26.
Copying machine. F. A. Parsons. 2,589,204 Mar. 11.
Cord and tape clip for Venetian blinds. H. S. Rosenbaum. 2,594,806, Apr. 29.
Cord clamping means. J. Ertel. 2,585,543, Feb. 12.
Cord connection and strain relief. S. L. Pedersen. 2,622,121, Dec. 16.
Cord equalizing mechanism for Venetian blinds. M. J. Stogran. 2,580,479, Jan. 1.
Cord guide for Venetian blind tilt rails. I. H. Palmisano. 2,587,756, Mar. 4.
Cord inserting device. C. P. Dyken. 2,615,290, Oct. 28.
Cord rack latch. W. R. Goldfine. 2,604,290, July 22.
Cord spring. M. H. Richter. 2,616,684, Nov. 4.
Cord support for hearing aids. L. D. Cates. 2,611,831, Sept. 23.
Cording attachment for sewing machines. J. C. McIntyre. 2,593,589, Apr. 22.
Core and coil assemblies, Making. J. G. Ford. 2,586,320, Feb 19.
Core and related tube structure. H. Daniels. 2,580,661, Jan. 1.
Core barrel. E. B. Williams, Jr. 2,596,832, May 13.
Core barrel, Wire line. T. L. Long. 2,613,918, Oct. 14.
Core bit. J. C. Stokes. 2,621,026, Dec. 9.
Core construction for electrical equipment. F. Korski. 2,610,225. Sept. 9.
Core dipping and centrifuging apparatus and dipping cores. E. C. Jeter, G. G. Murle, and G. Pascoe. 2,617,163, Nov. 11.
Core disintegrating drilling tool. A. Arutunoff. 2,619,325, Nov. 25.
Core enveloper. J. B. Kohler and M. J. Anderson. 2,586,833, Feb. 26.
Core for molding channels and outlet openings in concrete walls. A. Semeraro. 2,623,261, Dec. 30.
Core for tubular ingot molds. B. Brownstein. 2,616,137, Nov. 4.
Core for use in molding concrete pipe in situ. J. W. Colvin. 2,605,534, Aug. 5.
Core hardness tester. H. L. Campbell. 2,620,654, Dec. 9.
Core-supplying means for winding machines. J. A. Molloy. 2,600,793–4, June 17.
Core taking apparatus. E. F. Brady. 2,580,510, Jan. 1.
Core taking apparatus. J. C. Stokes. 2,582,361, Jan. 15.
Core type reel drive. M. H. Fisher. 2,611,114, Sept. 16.
Core type winder drive. G. Cawley and H. M. Brown. 2,583,040, Jan. 22.
Core type winder drive. G. Cawley and H. M. Brown. 2,590,682, Mar. 25.
Coring or perforating device. C. M. Mugler. 2,611,434, Sept. 23.
Coring tool. W. A. Kingsbury. 2,583,577, Jan. 29.
Coring wells, Method and apparatus for. R. L. Hendrickson. 2,585,386, Feb. 12.
Cork bonding process. C. L., Jr., and F. H. Cornelius. 2,590,757, Mar. 25.
Cork composition having a rubber binder which includes coagulating a latex in the presence of cork particles and molding the resulting mass, Making. B. R. Billmeyer. 2,607,747, Aug. 19.
Cork composition manufacture. G. E. Gard. 2,601,702, July 1.
Cork containing composite sheet material. A. M. Yocom and G. D'Oller. 2,584,959, Feb. 5.
Cork cutting machine. K. Lober. 2,615,480, Oct. 28
Cork packing machine and the like. L. Booth. 2,589,038, Mar. 11.
Corn and callus trimmer. C. L. Potvin. 2,612,683, Oct. 7.
Corn cleaner and separator. T. W. Gonder. 2,601,924, July 1.
Corn cutting device. W. M. Houldsworth. 2,609,852, Sept. 9.
Corn fritter batter and making same. E. W. Myers. 2,617,735, Nov. 11.
Corn husker. W. T. Bond. 2,619,967, Dec. 2.
Corn husker roll. H. E. Beck, J. C. Jozwik and W. J. Innes. 2,610,634, Sept. 16.
Corn husking machine. E. R. Dudley, Jr. 2,612,170, Sept. 30.
Corn husking machine, Self-feeding. H. L. Rosenthal. 2,591,200, Apr. 1.
Cornhusking mechanism. W. E. Slavens. 2,622,382, Dec. 23.
Corn husking roll. J. C. Jozwik. 2,610,633, Sept. 16.
Corn milling test. M. M. MacMasters, P. Baird, and C. E. Rist. 2,592,585, Apr. 15.
Corn planter. R. W. Rounds. 2,587,386, Feb. 26.
Corn planter wheel shield. C. P. Geyer. 2,581,526, Jan. 8.
Corn popping apparatus. D. J. Morsette. 2,606,489, Aug. 12.
Corn popping apparatus, High-frequency. E. L. Schiavone. 2,590,580, Mar. 25.
Corn popping machine. C. J. Cretors. 2,604,030, July 22.
Corn-popping machine. J. Kloster. 2,586,347, Feb. 19.
Corn snapping and husking rolls. S. C. Heth. 2,584,204, Feb. 5.
Corn snapping roll construction. D. M. Miller. 2,589,841, Mar. 18.
Corner brace and leg anchor. F. T. Paden. 2,608,455, Aug. 26.
Corner construction for marginally flanged paperboard container covers. W. C. George. 2,603,406, July 15.
Corner construction for metal doors and the like. C. L. Webster. 2,611,633, Sept. 23.
Corner fitting for knockdown structures. W. E. Davis. 2,590,159, Mar. 25.
Corner forming tool. G. F. Schrepper. 2,608,853, Sept. 2.
Corner guide and line supporting device for masonry constructions. R. A. Baumer. 2,583,990, Jan. 29.
Corner joinery in sash. W. P. Kessler. 2,617,502, Nov. 11.
Corner joint. E. Peremi and H. Weimann. 2,614,666, Oct. 21.
Corner mounts and method and apparatus for making same. B. Lieder. 2,622,055, Dec. 16.
Corner post for sectional stalls. W. G. Beatty. 2,610,830, Sept. 16.
Corner reflector float marker. P. D. Tilton. 2,604,644, July 29.
Corner stiffening and leg holding construction for collapsible metallic twin tubs. W. C. Wolforth. 2,615,593, Oct. 28.
Corner trim. R. A. Stone and R. M. Whittom. 2,596,827, May 13.
Corner unit. C. S. Gage. 2,616,131, Nov. 4.
Cornice. B. B. Junkunc. 2,604,155, July 22.
Cornice construction. D. S. Malchiodi. 2,590,555, Mar. 25.
Cornice mounting bracket. B. B. Junkunc., 2,594,656, Apr. 29.
Cornice support bracket. B. B. Junkunc. 2,594,655, Apr. 29.
Corrected data tracking system. J. H. Lancor, Jr., and J. E. Binns. 2,594,317, Apr. 29.
Corrected delay line. M. J. E. Golay. 2,598,683, June 3.
Correcting electronic optical systems. F. Bertein. 2,600,463, June 17.
Correcting foot deformities. L. B. Galhouse and H. N. Lurie. 2,589,241, Mar. 18.
Correcting spring aligning spacer ring. B. B. Fox. 2,610,847, Sept. 16.
Correction device for microscopes of the reflection mirror type. P. Grivet and F. Bertein. 2,580,675, Jan. 1.
Corrective footwear, Walking angle. R. U. Darby. 2,616,190, Nov. 4.
Corrector device for roentgenologic measurements. M. Lores. 2,605,960, Aug. 5.
Corrosion and solvent resistant pipe joint. R. B. Seymour and W. B. Walker. 2,622,901, Dec. 23.
Corrosion control in two-pass regenerative heater. W. D. Yerrick. 2,607,564, Aug. 19.
Corrosion-inhibiting coating composition containing organic amine nitrites. A. Wachter and N. Stillman. 2,596,450, May 13.
Corrosion inhibiting composition. G. D. Galvin and A. E. McAulay. 2,615,815, Oct. 28.
Corrosion inhibiting composition for steam systems. R. W. Lane and W. H. Thompson. 2,582,138, Jan. 8.
Corrosion inhibition. P. S. Viles. 2,607,744, Aug. 19.
Corrosion inhibitor for heat exchangers and the like. R. E. and E. F. McMahon. 2,609,340, Sept. 2.
Corrosion inhibitors in absorption refrigeration system. N. E. Widell. 2,580,983–4, Jan. 1.
Corrosion preventive composition. E. R. Barnum. 2,587,955, Mar. 4.
Corrosion prevention method. A. Wachter and W. W. Newachwander. 2,583,399, Jan. 22.
Corrosion retarder. J. T. Rucker. 2,617,771, Nov. 11.
Corrosion-resistant metallic structure. O. E. Andrus. Re. 23,559, Sept. 30.
Corrosion resisting safety valve. O. W. Greene. 2,595,671, May 6.
Corrosion resisting steels. W. O. Binder and J. Thompson. 2,602,737, July 8.
Corrugated, air distributing underbody for water-borne vessels. J. H. Pearce. 2,608,171, Aug. 26.
Corrugated or convolute hose and to means therefor, Manufacture of. H. H. Burton and L. T. Goodman. 2,616,129, Nov. 4.

Corrugated paperboard, Manufacture of. J. P. Casey, L. O. Gill, and R. A. Sherman. 2,610,136, Sept. 9.
Corrugated sheet metal cutter. J. Nielson. 2,582,933, Jan. 15.
Corrugating asbestos-cement sheets, Method and apparatus for. W. H. Rooksby, H. Homer, and T. Burgess. 2,586,481, Feb. 19.
Corrugating machine, Hydraulic. L. M. Puster. 2,610,667, Sept. 16.
Corrugation drilling tool. P. C. Kline, H. P. Crook, and A. T. Van Cutsem. 2,592,432, Apr. 8.
Corsage box. T. E. Reynolds. 2,605,895, Aug. 5.
Corsage frame. C. N. Harris. 2,595,577, May 6.
Corsage frame. M. Stegena. 2,583,237, Jan. 22.
Corsage holder. B. Singer. 2,595,174, Apr. 29.
Corsage pin. J. H. Lucier. 2,592,922, Apr. 15.
Corsage pin. B. E. Robinson. 2,613,412, Oct. 14.
Corsage protector. E. C. Lovelady. 2,622,731, Dec. 23.
Corset. G. G. Wanish. 2,595,031, Apr. 29.
Corset and brassière with interchangeable bust section, Combination. W. A. R. von Thaden. 2,599,302, June 3.
Cosmetic applicator. C. H. Braselton. 2,595,635, May 6.
Cosmetic applicator. H. R. Sage, Sr. 2,606,565, Aug. 12.
Cosmetic applicator, Fountain-type. L. J. Prokop and R. C. Smith. 2,611,915, Sept. 30.
Cosmetic container. F. R. Book, Jr. 2,609,922, Sept. 9.
Cosmetic container. F. M. Breen. 2,588,611, Mar. 11.
Cosmetic container. H. A. Coe. 2,617,522, Nov. 11.
Cosmetic container. E. M. Ross. 2,597,130, May 20.
Cosmetic cream. J. S. Neely. 2,617,754, Nov. 11.
Costumer. L. G. Simjian. 2,608,324, Aug. 26.
Cot, Folding. J. G. Fischer. 2,600,104, June 10.
Cot, Folding. S. Kapinn. 2,591,551, Apr. 1.
Cot for infants, Foldable. A. E. Foster. 2,601,111, June 17.
Cot structure, Folding. L. B. Love. 2,616,098, Nov. 4.
Cotter pin puller. M. A. Sweat. 2,593,935, Apr. 22.
Cotton chopper. F. W. Peel. 2,610,559, Sept. 16.
Cotton chopping and weeding device. J. C. Forney. 2,581,642, Jan. 8.
Cotton filled structural material and preparing the same. H. S. Busby and W. L. Ward. 2,587,591, Mar. 4.
Cotton fluffer for cotton picking machines. J. D. Rust. 2,607,178, Aug. 19.
Cotton harvester spindle construction. W. B. Smith. 2,605,600, Aug. 5.
Cotton holder for dental use. R. P. Hartig. 2,614,325, Oct. 21.
Cotton, Maturing. K. L. England. 2,600,861, June 17.
Cotton picker spindle lubricating and moistening system. C. R. Hagen and C. A. Kaligren. 2,593,671, Apr. 22.
Cotton picker's bag. M. A. Tatom. 2,601,465, June 24.
Cotton-picking finger. S. W. Sain. 2,602,278, July 8.
Cotton picking machine. J. D. Rust. 2,613,492, Oct. 14.
Cotton roll holder. J. C. Kanter. 2,600,001, June 10.
Cotton sample wrapping table. L. B. Adams. 2,603,926, July 22.
Cotton seed material for solvent-extraction and processes for preparation and solvent-extraction of cotton seed materials, Prepared. M. Bonotto. 2,594,117, Apr. 22.
Cottonseed meal, Preparation of. J. V. Rice. 2,615,808, Oct. 28.
Cotton stripping comb. W. H. Hartley. 2,616,236, Nov. 4.
Cotton weighing device for cotton gin balers. R. A. Shipley and F. E. Worden. 2,604,035, July 22.
Couch and daybed hinge, Combined. G. H. Little. 2,621,339, Dec. 16.
Couch bed, Convertible. A. R. Paladino. 2,623,218, Dec. 30.
Couch bed linkage for folding, unfolding, and positioning a full length mattress in couch or bed formation. J. Martin. 2,584,146, Feb. 5.
Couch, Spinal relaxation. W. Butler. 2,586,610, Feb. 19.
Count predeterminator for automatic gas controls. R. S. James. 2,620,982, Dec. 9.
Counter and stop mechanism for textile machinery. W. H. Kimpton. 2,580,552, Jan. 1.
Counter arrangement and seat therefor. H. A. Toulmin, Jr. 2,607,085, Aug. 19.
Counter assembly. E. S. Stoddard. 2,586,112, Feb. 19.
Counter bin construction. H. J. Hickey. 2,589,082, Mar. 11.
Counter circuit. W. H. T. Holden. 2,616,627, Nov. 4.
Counter circuit. L. F. Mayle. 2,583,003, Jan. 22.
Counter for the cooling, storage, display, and dispensing of meat and other foodstuffs. A. G. Merkle. 2,622,954, Dec. 23.
Counter refrigeration. M. E. Rydin. 2,608,068, Aug. 26.
Counter resetting mechanism. H. N. Bliss. 2,610,794, Sept. 16.
Counting and grouping device. M. Audier and E. W. Seeger. 2,617,593, Nov. 11.
Counting and recording apparatus. T. T. Rembusch and H. P. Wolfberg. 2,589,432, Mar. 18.
Counting apparatus. G. L. Roy. 2,587,066, Feb. 26.
Counting attachment for scales. F. G. Menze. Re. 23,595, Dec. 9.
Counting circuit. J. O. Edson and J. G. Kreer, Jr. 2,614,141, Oct. 14.
Counting device. R. E. Brown. 2,620,980, Dec. 9.
Counting device. E. L. Erickson. 2,623,647, Dec. 30.
Counting device, Mechanical. W. E. Hastings. 2,586,161, Feb. 19.
Counting down circuit. E. P. Snyder and J. H. Mulligan, Jr. 2,613,318, Oct. 7.
Counting machine. H. C. Noe. 2,594,337, Apr. 29.
Counting machine, Paper money. T. E. Hayes. 2,606,023, Aug. 5.
Counting system. W. H. T. Holden. 2,583,102, Jan. 22.
Counting system, Electrical. Z. C. Nijman. 2,606,234, Aug. 5.
Counterbalance for optical projection viewer for machine tools. G. Banko. 2,591,227, Apr. 1.
Counterbalancing a pivoted arm or member. D. W. Rawnsley, E. R. Green, and J. G. Gill. 2,584,921, Feb. 5.
Counterbalancing device. F. K. Mausnest. 2,610,524, Sept. 16.
Counterbalancing means. J. H. McKee. 2,607,410, Aug. 19.
Counterbore cutter for boltholes in concrete. C. F. Johnson. 2,583,429, Jan. 22.
Countercurrent contacting of solids and gases. H. W. Scheeline. 2,584,296, Feb. 5.
Countercurrent extraction centrifuge. P. Steinacker and H. Hemfort. 2,622,796, Dec. 23.
Countercurrent extraction process and apparatus. M. Bonotto. 2,614,911, Oct. 21.
Counterpoise. J. V. Fill. 2,593,427, Apr. 22.
Countershaft assembly, Dual speed. A. J. Warsaw. 2,608,878, Sept. 2.
Countersinking tool. M. M. Martin and H. M. Brown. 2,608,114, Aug. 26.
Counterweight, Self-locking. E. M. Frye. 2,585,646, Feb. 12.
Counterweighted drive mechanism for harvesters. M. L. Love. 2,616,234, Nov. 4.
Coupled cavity resonator. J. B. Fisk. 2,595,652, May 6.
Coupled nut and lock washer. O. J. Poupitch. 2,619,145, Nov. 25.
Coupled nut and lock washer, Nonrotatively. O. J. Poupitch. 2,619,146, Nov. 25.
Coupler. F. H. Kayler. 2,604,215, July 22.
Coupler. R. Walsh and J. D. Kennedy. 2,601,928, July 1.
Coupler and yoke assembly. H. H. Wolfe. 2,619,236, Nov. 25.
Coupler and yoke constructions. W. C. Dilg and G. R. Munro. 2,610,745, Sept. 16.
Coupler bearing block assembly. F. H. Kayler. 2,590,868, Apr. 1.
Coupler, Directional. H. A. Wheeler. 2,606,974, Aug. 12.
Coupler for dynamometer purposes. S. H. Fillion. 2,601,781, July 1.
Coupler for pilots, Retractable. H. H. Wolfe. 2,623,645, Dec. 30.
Coupler for wave transmission lines. I. Kamen. 2,615,948, Oct. 28.
Coupler knuckle bearing. F. H. Kayler. 2,596,153, May 13.
Coupler lock lifter toggle link. J. N. Borland. 2,609,941, Sept. 9.
Coupler operating mechanism. H. H. Wolfe. 2,585,889, Feb. 12.
Couplers from bi-functional amines, Producing. A. Weissberger and C. O. Edens, Jr. 2,589,004, Mar. 11.
Coupling: *See*—
Airtight tubular coupling.
Antibacklash coupling.
Antiskid chain coupling.
Automatic pipe coupling.
Ball and socket coupling.
Cam operated coupling.
Car coupling.
Chain coupling.
Coaxial cable coupling.
Cutout coupling.
Draft coupling.
Drive coupling.
Filter bag coupling.
Flexible chain coupling.
Flexible coupling.
Flexible drive coupling.
Flexible shaft coupling.
Flexible shaft handpiece coupling.
Flexible V band tube coupling.
High-frequency dielectric wave guide coupling.
Hose coupling.
Hose nozzle recoil eliminating coupling.
Hydraulic line coupling.
Impulse coupling.
Irrigation regulator coupling.
Keyed shaft coupling.
Overload release coupling.
Pencil coupling.
Pipe coupling.
Power coupling.
Power take-off coupling.
Releasable valved coupling.
Reversible rotary fluid coupling.
Rotary fluid coupling.
Rotary hydraulic coupling.
Rotary turbine type fluid coupling.
Rotary turbine-type hydraulic coupling.
Safety coupling.
Shaft coupling.
Shear pin coupling.
Spring grip pipe coupling.
Transmission line coupling.
Universal coupling.
Valved coupling.
Valved pipe coupling.
Variable drag coupling.
Variable-speed coupling.
Variable speed rotary hydraulic coupling.
Vehicle coupling.
Warp beam coupling.
Coupling. U. A. Alfredéen. 2,592,103, Apr. 8.
Coupling. W. A. Cotter. 2,595,037, Apr. 29.
Coupling. E. D. Cross. 2,621,494, Dec. 16.
Coupling. V. F. Gouch. 2,588,827, Mar. 11.
Coupling. H. J. Nichols. 2,617,672, Nov. 11.
Coupling. R. Wiken. 2,612,764, Oct. 7.
Coupling and torque measuring device, Elastic. R. Dousgain. 2,592,796, Apr. 15.

Coupling arrangement between aerial and transmission line. E. O. Willoughby. 2,617,884, Nov. 11.
Coupling construction, Detachable. J. Sacks. 2,617,673, Nov. 11.
Coupling, damper, and the like, Flexible. L. P. Croset, 2,621,493, Dec. 16.
Coupling device. W. R. Bliss. 2,611,822, Sept. 23.
Coupling device. D. M. Lowe. 2,591,707, Apr. 8.
Coupling device for electric cables. E. H. Jun. 2,591,437, Apr. 1.
Coupling for brush backs. G. W. Breuer, M. Drewes, Jr., and E. Lambeau. 2,607,603, Aug. 19.
Coupling for cathode-ray tubes. R. Barthelemy. 2,597,054, May 20.
Coupling for connecting trailers to power vehicles. R. Porte. 2,599,282, June 3.
Coupling for double-walled pipes. J. C. Richardson. 2,613,958, Oct. 14.
Coupling for fan mountings, Flexible. O. A. Sutton. 2,599,730, June 10.
Coupling for flareless tubes. J. N. Wolfram. 2,613,086, Oct. 7.
Coupling for flexible pipes. J. C. Williams. 2,591,326, Apr. 1.
Coupling for floor machine brushes. M. Drewes, Jr., and E. O. Lambeau. 2,607,601, Aug. 19.
Coupling for jack attachments and extensions. T. M. Porter. 2,593,342, Apr. 15.
Coupling for pipes and tubes. W. R. Champion. 2,582,746, Jan. 15.
Coupling for railroad vehicles. A. L. Hale and W. T. Tolhurst. 2,605,003, July 29.
Coupling for railway and like vehicles. J. C. Cossey and G. H. Smith. 2,582,747, Jan. 15.
Coupling for rolling-mill spindles, Universal. A. Teplitz. 2,610,488, Sept. 16.
Coupling for rotating shafts. W. Cureton. 2,595,513, May 6.
Coupling for shock absorber cords. W. J. Gilmore. 2,596,144, May 13.
Coupling for tank sections, Fluidtight detachable. A. P. Clausen. 2,596,839, May 13.
Coupling for threadless pipes. J. C. Richardson. 2,613,959, Oct. 14.
Coupling for toy railway cars. H. L. Joyce. 2,594,444, Apr. 29.
Coupling for tractor and semitrailer units. A. G. Talbert. 2,613,945, Oct. 14.
Coupling means for garment hanger racks. W. S. Landsman. 2,581,032, Jan. 1.
Coupling means for scaffolding bars. M. P. French. 2,583,368, Jan. 22.
Coupling of electric waveguides. J. Collard and S. Hill. 2,606,967, Aug. 12.
Coupling pin. J. V. Honeycutt, J. Platis and J. A. Marchand. 2,593,453, Apr. 22.
Coupling pin lock for trailer hitches. A. E. Benteman. 2,593,247, Apr. 15.
Coupling structure. R. M. Lindsay and C. Randazzo. 2,583,956, Jan. 29.
Coupling to produce rotary displacement between a driving member and a driven member. R. F. Garbarini. 2,621,495, Dec. 16.
Course or condition maintenance. L. F. Falkenstein. 2,609,526, Sept. 2.
Courtesy light. F. G. Miller and S. Paullin. 2,605,338, July 29.
Cover: *See*—
Automobile cover.
Automobile seat cover.
Automatic razor strop cover.
Bed cover.
Beehive cover.
Breast cover.
Bridge table cover.
Cigarette supporting cover.
Coat hanger cover.
Cooking utensil cover.
Diaper cover.
Dispensing cover.
Disposable toilet seat cover.
Electrically heated floor cover.
Fabric cover.
Floating cover.
Flowerpot cover.
Furniture cover.
Grain unloader having a feed auger with an adjustable cover.
Hatch cover.
Instrument cover.
Ironer roll cover.
Ironing apparatus cover.
Ironing board cover.
Mattress cover.
Milk can cover.
Perforated soap-enclosing cover.
Portable heating cover.
Receptacle cover.
Reel cover.
Removable seat cover.
Roll-up type vehicle top cover.
Saddle cover.
Seat cover.
Soap cake cover.
Soap holder cover.
Ship's hatch cover.
Shoe cover.
Skillet cover.
Split engine cover.
Spoon cover.
Steering wheel cover.
Suction box cover.
Toilet tissue holder cover.
Trailer hitch ball cover.
Trailer hitch cover.
Traveling case cover.
Tray cover.
Truck box cover.
Umbrella cover.
Vehicle wheel cover.
Wheel cover.
Windshield cover.
Cover and closure for waste receptacles. R. I. Fredrickson. 2,587,988, Mar. 4.
Cover and silencer for electric shavers, Combined. S. T. Wagner. 2,597,552, May 20.
Cover arrangement for swimming pools and the like. B. L. Kroeger. 2,580,555, Jan. 1.
Cover catching and holding attachment for can openers. W. J. Bruske. 2,580,887, Jan. 1.
Cover construction. F. E. Snow. 2,597,682, May 20.
Cover construction for storage battery cells. R. Reppert. 2,603,672, July 15.
Cover fastener. D. M. Morris. 2,613,969, Oct. 14.
Cover fastening means. H. M. Badger. 2,599,527, June 10.
Cover feed for wrapping or packing machines. C. T. Hall. 2,614,374, Oct. 21.
Cover for a hood compartment of drophead motorcar bodies. J. H. Orr. 2,599,277, June 3.
Cover for bake pan units. J. L. Darnell. 2,601,099, June 17.
Cover for batteries. J. K. Shannon and R. R. Schmit. 2,618,673, Nov. 18.
Cover for beehives, Reversible summer-winter. M. I. Taylor. 2,599,141, June 3.
Cover for cabinets and other objects, Outside. A. R. Johnson. 2,589,699, Mar. 18.
Cover for drink mixers, Sanitary. C. H. Douglass. 2,584,437, Feb. 5.
Cover for hearing aids, Ornamental. D. E. Greenwood. 2,595,672, May 6.
Cover for paint in opened paint cans. D. E. Shilstone. 2,609,119, Sept. 19.
Cover for pressure vessels. L. T. Pritchard. 2,600,021, June 10.
Cover for return conveyer runs. A. W. Duncan. 2,609,918, Sept. 9.
Cover for rotary brush sweepers. H. O. Beyer and F. M. Bauman. 2,594,116, Apr. 22.
Cover for sewage digesting apparatus, Floating. J. H. Wiggins and J. W. Allen. 2,605,014, July 29.
Cover for smoking pipes. A. Weinstock. 2,604,981, July 29.
Cover for straining paint from cans. V. Galletta. 2,606,694, Aug. 12.
Cover for studio couch or the like, Adjustable. I. Weinberg. 2,619,658, Dec. 2.
Cover for television tubes, Protective. E. A. Ried, Jr. 2,586,716, Feb. 19.
Cover for toilet seat lids. R. G. McCamy. 2,608,694, Sept. 2.
Cover for toilet seats or lids. M. L. Diamond. 2,611,136, Sept. 23.
Cover for valve-in-head motors. C. A. Wefing. 2,607,331, Aug. 19.
Cover for vehicle beds, Collapsible. L. Shield. 2,610,086, Sept. 9.
Cover for vehicles, Collapsible. F. D. Robie. 2,598,940, June 3.
Cover glass assembly. H. R. Kiehl. 2,597,935, May 27.
Cover hinge. L. W. White. 2,581,892, Jan. 8.
Cover knob. C. W. Fry. 2,590,395, Mar. 25.
Cover latch for pastic radio cabinets and the like. H. Mendelson. 2,610,763, Sept. 16.
Cover locking means for pressure cookers. G. C. Wyman. 2,614,721, Oct. 21.
Cover locking mechanism. M. E. Brown. 2,592,239, Apr. 8.
Cover means for pit-mounted vehicle lifts. G. A. Estel, Jr. 2,594,892, Apr. 29.
Cover means for terminals of dynamo-electric machines. L. E. Miller. 2,590,559, Mar. 25.
Cover pan conveyer structure. A. W. Duncan. 2,616,552, Nov. 4.
Cover panels for vehicles, especially railway cars. A. G. Dean. 2,592,545, Apr. 15.
Cover plate for vehicle wheels. W. P. Henderson. 2,580,543, Jan. 1.
Cover plate for vehicle wheels. H. J. Horn. 2,618,513, Nov. 18.
Cover rack. E. L. Greensfelder. 2,600,755, June 17.
Cover retaining mechanism. W. H. Sohn and H. B. Lindemann. 2,601,232, June 24.
Cover sealing means for cooking utensils. O. M. Burkhardt. 2,598,220, May 27.
Cover securing means for pressure cookers and the like. A. G. Swenson. 2,584,759, Feb. 5.
Cover stack height controlling means. N. H. Goldsworthy. 2,609,779, Sept. 9
Cover stop rod. R. R. Borngraeber. 2,580,650, Jan. 1.
Cover tensioning device for sofa beds. R. C. Thompson and K. M. Cayton. 2,588,058, Mar. 4.
Cover top for trailer bodies. G. W. Taylor. 2,594,597, Apr. 29.
Covered carrier adapted to be mounted on automobile tops. U. C. McMiller. 2,621,836, Dec. 16.
Covered spring greasing device. T. J. House. 2,614,660, Oct. 21.
Covering an ironing roll. S. A. Obitz. 2,621,141, Dec. 9.
Covering for cushions, mattresses, and the like, Protective. L. Sussman. 2,612,646, Oct. 7.
Covering for textile machinery rollers. A. L. Freedlander. 2,597,858, May 27.
Covering material and producing the same. W. E. Benedict and E. B. McBride. 2,605,204, July 29.
Covering means for planting attachments. W. P. Oehler. 2,582,503, Jan. 15.
Cow tail clamp. R. Rebarchek. 2,616,393, Nov. 4.

Cowl fastener. L. A. Powell. 2,610,378, Sept. 16.
Crab trap. B. R. Lamb. 2,586,350. Feb. 19.
Cracked ice, Making. J. H. Lessard and G. M. Lees. 2,585,020, Feb. 12.
Cracking heavy oils in presence of oxygen. R. M. Deanesly. 2,587,703, Mar. 4.
Cradle, Electric rocking. L. A. Chisholm. 2,617,122, Nov. 11.
Cradle, Doll. C. J. Niebuhr. 2,582,061, Jan. 8.
Cradle invert subsoil drainage pipe. D. B. Dimick. 2,608,828, Sept. 2.
Cramp for vehicle wheels, Adjustable. E. Vuiglio. 2,621,082, Dec. 9.
Cranberry recovery machine. C. E. Sempos. 2,597,131, May 20.
Crane. A. C. Hoyle and R. L. Bevard. 2,620,075, Dec. 2.
Crane. A. Orloff. 2,602,552, July 8.
Crane and the like, Electric. G. V. Sadler. 2,605,313, July 29.
Crane boom assembly. R. C. Shoemaker. 2,595,896, May 6.
Crane boom suspension. K. E. Grundvig. 2,609,940, Sept. 9.
Crane control system. R. W. Spafford. 2,596,347, May 13.
Crane, Level luffing. G. P. Wagner. 2,589,172, Mar. 11.
Crane loading portable bar rack. W. G. Butsch. 2,591,049, Apr. 1.
Crane, Mobile. L. T. Graves. 2,605,002, July 29.
Crane, Mobile. W. Taylor. 2,621,803, Dec. 16.
Crane or derrick. P. J. M. T. Allard. 2,621,804, Dec. 16.
Crane, Portable. J. Z. Feigelson. 2,596,846, May 13.
Crane propelling system and control thereof. W. S. Burdick, H. S. Jacobs, and K. Schneider. 2,604,175, July 22.
Crane, Tractor mounted. R. C. Shoemaker. 2,595,897, May 6.
Crane, Truck mounted. S. Schlein. 2,594,076, Apr. 22.
Crane, Truck type articulated. E. B. Nickles. 2,590,787, Mar. 25.
Crane, Wheeled. R. G. Le Tourneau. 2,589,102, Mar. 11.
Crankcase oil heater attaching means. S. Boger and D. V. Davis. 2,620,429, Dec. 2.
Crankcase scavenger. C. C. Randall. 2,580,594, Jan. 1.
Crankcase ventilator filter. P. E. Diederich. 2,600,219, June 10.
Crank-case ventilator valve. R. C. Beckett. 2,592,380, Apr. 8.
Crank counterbalance. S. S. Shoup. 2,618,172, Nov. 18.
Crank driving mechanism. L. L. Hercik. 2,593,882, Apr. 22.
Crank for automatically variable-speed transmission gears, Adjustable. A. Kolko. 2,590,547, Mar. 25.
Crankshaft. J. P. Butterfield. 2,595,761, May 6.
Crankshaft arrangement in a multicylinder V-type piston machine. F. L. van Weenen. 2,590,662, Mar. 25.
Crankshaft bearing assembly. E. K. Johansen. Re. 23,513, June 24.
Crankshaft bearing for looms. E. F. Bahan. 2,618,295, Nov. 18.
Crankshaft chuck. W. R. Meyer. 2,620,699, Dec. 9.
Crankshaft lathe tool feeding mechanism. H. J. Siekmann and W. R. Meyer. 2,596,511, May 13.
Crankshaft main journal grinder. F. R. Henderson. 2,608,806, Sept. 2.
Crank shaper ram and clamp. W. F. Zimmermann. 2,580,497, Jan. 1.
Crank throw adjustment for motion converter mechanisms and the like. C. R. Sacchini. 2,603,105, July 15.
Crash barrier for vehicle passengers. R. A. Kurtz. 2,586,083, Feb. 19.
Crash curtain for motor vehicles, Automatic. A. B. Joncas. 2,592,573, Apr. 15.
Crate. A. H. Haberstump. 2,619,250, Nov. 25.
Crate. E. H. Whittington. 2,619,249, Nov. 25.
Crate and box construction. H. F. Sester. 2,609,957, Sept. 9.
Crate and liner therefor, Bottle. J. Kuchel. 2,591,266, Apr. 1.
Crate, Banana. G. J. Schmitz. 2,598,136, May 27.
Crate, Bottle. H. H. Goldstein. 2,588,824, Mar. 11.
Crate disassembling and salvaging machine. E. E. Cannon. 2,593,843, Apr. 22.
Crate for bottles and like containers. R. J. Cross. 2,588,805, Mar. 11.
Crate for eggs or other similar piece goods. O. F. Sterner. 2,598,616, May 27.
Crate for livestock, Shipping. A. O. Manger and E. A. Tomlin, Jr. 2,593,161, Apr. 15.
Crate, Knockdown. B. T. Gill and H. Kemp. 2,613,834, Oct. 14.
Crate, Shipping. B. C. Colt, Jr. 2,590,941, Apr. 1.
Crate unloader. P. E. Fischer. 2,615,746, Oct. 28.
Cravat holder. E. A. Johnson. 2,592,155, Apr. 8.
Crawl-fins. L. M. De Corlieu. 2,588,363, Mar. 11.
Crawler tractor friction wheel drive mechanism. F. H. Darragh, Jr. 2,581,365, Jan. 8.
Crayon or the like holder and feeding tube. G. B. Knuff. 2,591,831, Apr. 8.
Craze resistant resinous coating, coated product, and making it. D. G. Patterson. 2,609,321, Sept. 2.
Cream cooler. M. M. Guggenheim. 2,585,766, Feb. 12.
Cream dispenser. R. R. Perkins. 2,616,607, Nov. 4.
Creamer. W. A. Frantz. 2,613,517, Oct. 14.
Creamer, Individual. W. V. Doyle. 2,602,309, July 8.
Creased sheet metal panel and forming and applying such panels to frame structures. L. A. Daines. 2,594,131, Apr. 22.
Credit accumulator mechanism. J. Schmidt. 2,596,441, May 13.
Credit verification for subscription type television systems. M. M. Hubbard. 2,615,972, Oct. 28.
Creel. A. A. Atkins, H. M. Averns, and A. Walker. 2,615,653, Oct. 28.
Creeper, Infant's. J. Astrove. 2,605,470, Aug. 5.
Crepe paper, Glass fiber reinforced. K. N. Mathes. 2,604,424, July 22.
Crepeable yarn, Producing. R. Woodell. 2,602,285, July 8.
Creped paper product and process. W. W. Rowe. 2,610,935, Sept. 16.
Crib actuating mechanism. W. J. McNabb and W. R. Cochrane. 2,593,590, Apr. 22.
Crib and cradle, Combination. W. A. Voce. 2,623,220, Dec. 30.
Crib and playpen, Collapsible infant's. A. Keck. 2,602,170, July 8.
Crib and playpen, Combination. J. J. Field. 2,610,332, Sept. 16.
Crib and playpen, Combined folding. F. E. Wagoner. 2,605,482, Aug. 5.
Crib and play pen, Folding. St. C. Newbern. 2,583,187, Jan. 22.
Crib attachment for beds. P. C. Kelly. 2,598,999, June 3.
Crib attachment for beds, Folding. W. J. Lester. 2,617,120, Nov. 11.
Crib, Baby's collapsible. H. J. Coles. 2,622,250, Dec. 23.
Crib, Child's. T. A. Coccomo. 2,599,897, June 10.
Crib, Infant's. W. J. and W. J. McNabb, Jr. 2,590,337, Mar. 25.
Crib, Portable infant's. H. Mover. 2,586,247, Feb. 19.
Crib, Reversible. A. G. Chatlos. 2,617,121, Nov. 11.
Crib rocking mechanism. B. Condemi. 2,608,697, Sept. 2.
Crib sheet with a pajama back. B. J. Auer. 2,589,596, Mar. 18.
Crib, Utility height adjustable. J. A. Toomey and C. F. Carlstrom. 2,599,296, June 3.
Cribbage board. J. H. Loeb. 2,582,874, Jan. 15.
Cribbage board. S. Logan. 2,594,943, Apr. 29.
Cribbage board. H. W. Melling. 2,620,131, Dec. 2.
Cribbage board. D. L. Stackhouse. 2,605,966, Aug. 5.
Cribbage scorekeeper. R. R. Hicks. 2,587,618, Mar. 4.
Cribber chain. H. W. Protzeller. 2,594,990, Apr. 29.
Cribber chain excavating element. H. W. Protzeller. 2,594,991, Apr. 29.
Crimped fibers, filaments, and threads. H. M. Hemmi. 2,623,266, Dec. 30.
Crochet frame. L. J. Ghelmini. 2,590,694, Mar. 25.
Crochet hook. E. R. Visconti. 2,601,769, July 1.
Crop baler with means for grooving bales formed thereby. H. E. Altgelt. 2,595,503, May 6.
Crop cutting and delivery unit for forage cutters. M. A. Richardson. 2,594,583, Apr. 29.
Crop-distributing device for harvesters. R. L. Anderson. 2,617,518, Nov. 11.
Crop drier and unloader. A. A. Anderson and B. C. Mathews. 2,613,452, Oct. 14.
Crop drying type air heater. A. A. Anderson and B. C. Mathews. 2,604,312, July 22.
Crop dusting equipment. S. Hiller, Jr. and R. A. Wagner. 2,597,323, May 20.
Crop-dusting machine. E. P. Embree and D. C. Schmitten. 2,587,714, Mar. 4.
Crop dusting unit. E. M. Woock. 2,619,767, Dec. 2.
Crop shield for harvesters. F. A. Thomann. 2,616,353, Nov. 4.
Crossarm clevis. F. G. Ridgers. 2,610,818, Sept. 16.
Crossbar switch. R. P. Arthur. 2,611,827, Sept. 23.
Crossbar switch for automatic telephone systems. G. B. Knos. 2,616,981, Nov. 4.
Crossbar tandem office for step-by-step telephone areas. W. T. Haines and J. B. Newsom. 2,594,014, Apr. 22.
Crosshar, Waste outlet. A. M. Stavoe and W. D. Carrie. 2,591,632, Apr. 1.
Crossbelt magnetic separator. K. A. Blind. 2,591,121–2, Apr. 1.
Crossbow. A. V. Gruner. 2,609,810, Sept. 9.
Cross chain for tire chains. H. St. Pierre. 2,597,762, May 20.
Cross chain for tire chains. H. St. Pierre. 2,601,883, July 1.
Cross connecting board. E. F. Geiger. 2,613,287, Oct. 7.
Cross drive for heavy vehicles. O. K. Kelley. 2,596,931, May 13.
Cross feed cutter. J. F. Halstead. 2,615,451, Oct. 28.
Cross-linkable and cross-linked vinyl type copolymers. J. A. Bilton and G. H. Segall. 2,604,463, July 22.
Cross-linked polymeric materials and making same. C. S. Marvel. 2,598,407, May 27.
Cross-linked silanes. D. B. Hatcher and R. H. Bunnell. 2,612,510, Sept. 30.
Crossover filter network. P. W. Klipsch. 2,612,558, Sept. 30.
Crossover homogenizing apparatus. J. Bailey. 2,584,827, Feb. 5.
Crossover protection apparatus. R. M. Gilson. 2,588,822, Mar. 11.

Crossover protection apparatus. T. W. Tizzard, Jr. 2,586,491, Feb. 19.
Cross-point switching mechanism. R. E. Hersey. 2,604,542, July 22.
Cross slide stop mechanism. N. P. Darash. 2,600,213, June 10.
Cross-talk compensation in pulse multiplex system. G. Guanella. 2,580,421, Jan. 1.
Cross-wind position control. G. A. Spencer. 2,605,054, July 29.
Cross wind undercarriage. J. H. Geisse. 2,611,564, Sept. 23.
Crotch formation in foundation garments. S. Weintraub. 2,617,101, Nov. 11.
Crown block. H. D. Hilborn and W. D. Walters. 2,601,611, June 24.
Crown cap and pad. A. L. Genovese. 2,581,647, Jan. 8.
Crown cap feeding machine. A. L. Kronquest. 2,621,843, Dec. 16.
Crown cap feeding means. J. W. Hoffecker. 2,598,380, May 27.
Crown cap lifter with reciprocating elements. W. A. Carter. 2,589,051, Mar. 11.
Crucible for the purification of molten substances. J. C. Marinace and T. E. Le Loup. 2,615,060, Oct. 21.
Crucible or melting pot. D. Z. Murphy. 2,621,916, Dec. 16.
Cruciform checker board. J. H. Rice. 2,614,842, Oct. 21.
Crude coal tar dermatological compositions. I. B. Wershaw. 2,602,039, July 1.
Crusher, Cornstalk. D. A. and R. E. Bennett. 2,585,296, Feb. 12.
Crusher, Ice. F. N. Mariani. 2,586,678, Feb. 19.
Crusher-roll covering element. H. R. Warsmith. 2,588,900, Mar. 11.
Crushing machine. H. Cohen. 2,589,603, Mar. 18.
Crushing or pulverizing machine. V. J. Matthews. 2,609,992, Sept. 9.
Crust rolling apparatus. L. J. Harriss and B. Lambers. 2,610,589, Sept. 16.
Crutch gauge. L. J. Zadrozny. 2,614,332, Oct. 21.
Crutch tip. C. D. Walcot and J. E. R. Ostrom. 2,606,568, Aug. 12.
Crypt fastener. J. B. and O. A. Sinner. 2,618,145, Nov. 18.
Cryptographic system and apparatus. A. R. Murray. 2,621,424, Dec. 16.
Crystal amplifier device. S. F. Amico. 2,615,965, Oct. 28.
Crystal analysis apparatus. J. E. Coleman. 2,585,916, Feb. 19.
Crystal contacts of which one element is silicon. F. H. Brittain, C. E. Ransley, and J. W. Ryde. 2,583,681, Jan. 29.
Crystal holder. J. D. Holmbeck. 2,597,797, May 20.
Crystal manufacture. R. K. Simms. 2,602,023, July 1.
Crystal oscillator ultramicrometer. G. Ralston and E. C. Goggio. 2,611,020, Sept. 16.
Crystal pressure gauge. A. H. Fiske, Jr. and G. E. Ledges. 2,587,304, Feb. 26.
Crystal rectifier. F. H. Brittain and E. G. James. 2,588,956, Mar. 4.
Crystal triode. A. H. Dickinson. 2,610,234, Sept. 9.
Crystal violet, Producing. R. O. Heuse and P. J. Wingate. 2,600,649, June 17.
Crystalline anhydrous theophylline, Preparing. G. B. Stone. 2,596,946, May 13.
Crystalline calcium ascorbate and preparing same. S. L. Ruskin. 2,596,103, May 13.
Crystalline complexes of uren and cyclic oxygen containing compounds. L. C. Fetterly. 2,613,204, Oct. 7.
Crystalline dihydrostreptomycin hydrochloride, Preparation of. F. J. Wolf. 2,594,245, Apr. 22.
Crystalline dihydrostreptomycin sesquisulfate, Preparation of. F. J. Wolf. 2,590,140, Mar. 25.
Crystalline dihydrostreptomycin sulfate, Preparation of. F. J. Wolf. 2,590,141, Mar. 25.
Crystalline form of riboflavin. J. K. Dale. 2,603,633, July 15.
Crystalline isomer of allethrin. M. S. Schechter and F. B. La Forge. 2,607,796, Aug. 19.
Crystalline materials, Production of. W. Gray. 2,623,814, Dec. 30.
Crystalline streptomycin hydrochloride, Preparing. F. J. Wolf. 2,590,139, Mar. 25.
Crystalline tetramethylene isophthalate polymer. P. J. Flory and F. S. Leutner. 2,623,034, Dec. 23.
Crystallization apparatus. A. O. Shelby. 2,615,794, Oct. 28.
Crystallization apparatus. J. A. Weednan. 2,615,793, Oct. 28.
Crystallization of DDT. J. L. Kallok. 2,590,544, Mar. 25.
Crystallization of sorbitol. F. H. Buck, M. M. Luskin and M. T. Sanders. 2,594,863, Apr. 29.
Crystallization process. B. W. Lew. 2,595,679, May 6.
Crystallizer, Fractional. D. L. McKay. 2,613,136, Oct. 7.
Crystallizing apparatus. H. H. Feldstein and H. R. Kilby. 2,594,142, Apr. 22.
Cue holder. H. G. Reynolds. 2,613,079, Oct. 7.
Cuff attachment for trouser legs. H. G. Lewallen. 2,583,861, Jan. 29.
Cuff button. C. S. Marien. 2,600,894, June 17.
Cuff button. H. B. Wylie. 2,597,216, May 20.
Cuff clamp mechanism for sleeve presses. E. Davis and E. A. Winnewisser. 2,595,514, May 6.
Cuff link. O. V. Anderson. 2,596,357, May 13.
Cuff link. O. V. Anderson. 2,607,973, Aug. 26.
Cuff link, Pivoted head. C. S. Marien. 2,586,434, Feb. 19.
Cuff link, Reversible front. W. H. Meeker. 2,597,887, May 27.
Cuff link, Reversible front. W. H. Meeker. 2,598,281, May 27.
Culinary accessory. D. L. Sanzenbacher. 2,584,295, Feb. 5.
Culinary mixes, Making. O. Johnson. Re. 23,484, Apr. 29.
Cultivating and tilling machine. W. Wharton. 2,622,498, Dec. 23.
Cultivating blade assembly. C. S., G. C., and S. F. Noble. 2,607,279, Aug. 19.
Cultivating implement with fertilizer dispenser in handle. W. F. Peyton. 2,611,514, Sept. 23.
Cultivator. D. E. Gillespie. 2,591,420, Apr. 1.
Cultivator. T. W. Johnson. 2,619,889, Dec. 2.
Cultivator. E. Meidinger. 2,608,925, Sept. 2.
Cultivator, Adjustable disk garden. M. S. Hoenshell. 2,592,423, Apr. 8.
Cultivator attachment. L. A. Metcalf. 2,585,669, Feb. 12.
Cultivator attachment for tractors. E. Evenson. 2,609,741, Sept. 9.
Cultivator, Automatic vineyard. R. W. Smeds. 2,583,897, Jan. 29.
Cultivator, Crossrow. J. A. Deville. 2,600,858, June 17.
Cultivator, Disk. W. E. Price, Jr. 2,588,872, Mar. 11.
Cultivator disk mounting. D. D. Birt. 2,597,524, May 20.
Cultivator, Floating. D. W. Fitzwater. 2,593,289, Apr. 15.
Cultivator, Grape vineyard. J. A. Crain. 2,611,309, Sept. 23.
Cultivator, Rotary. H. Brown. 2,587,106, Feb. 26.
Cultivator, Steered tractor mounted. W. J. Sands and A. Greer. 2,604,835, July 29.
Cultivator, Subsurface and subsoil. R. J. Altgelt and C. H. Gemberling. 2,597,608, May 20.
Cultivator tool clamp. C. C. Hill. 2,607,278, Aug. 19.
Cultivator, Tractor. J. S. Goodell. 2,593,021, Apr. 15.
Cultivator, Tractor. W. H. Hendrick. 2,593,028, Apr. 15.
Cultivator, Tractor-mounted. F. T. Blaydes and J. L. Bauman. 2,613,583, Oct. 14.
Cultivator, Tractor mounted. J. Morkoski. 2,584,217, Feb. 5.
Cultivator, Tractor mounted. K. R. Scholfield. 2,619,886, Dec. 2.
Cultivator, Vineyard. H. Garnsey and J. J. Knapp. 2,587,721, Mar. 4.
Cultivator, Vineyard. H. J. Kanawyer and E. F. Hultquist. 2,606,488, Aug. 12.
Cultivator, Walking. C. B. Merry. 2,614,474, Oct. 21.
Cultivator with weeder attachment. F. B. Walker. 2,612,825, Oct. 7.
Cumene oxidation. G. G. Joris. 2,613,227, Oct. 7.
Cup and integral straw. M. Cohen. 2,581,516, Jan. 8.
Cup, Auxiliary drinking. J. B. Parsons. 2,582,934, Jan. 15.
Cup, Child's drinking. K. A. Dingeldein. 2,585,445, Feb. 12.
Cup decorating machine. J. H. Keller and R. Riley. 2,584,092, Jan. 29.
Cup depressor. F. T. Moser. 2,614,740, Oct. 21.
Cup dispenser. G. Taubert. 2,584,941, Feb. 5.
Cup drawing apparatus. R. E. Slater. 2,611,475, Sept. 23.
Cup, Drinking. W. W. Rice. 2,622,420, Dec. 23.
Cup, Drinking. L. T. Sawyer. 2,589,967, Mar. 18.
Cup, Dripproof. F. M. Cockriel. 2,612,031, Sept. 30.
Cup for use by infants and invalids such as chair and bedridden patients, Drinking. W. W. Rice. 2,608,841, Sept. 2.
Cup handling machine. J. Jordan. 2,619,701, Dec. 2.
Cup, Measuring. R. Bernhardt. 2,583,808, Jan. 29.
Cup, Mixer. R. E. Preiss. 2,585,835, Feb. 12.
Cup mouthpiece for musical instruments. J. W. Cauffman. 2,594,869, Apr. 29.
Cup or glass-supporting plate. W. Weidler. 2,582,183, Jan. 8.
Cup rack. M. S. Cooper and E. L. Berg. 2,600,096, June 10.
Cup rack. G. Gray. 2,606,666, Aug. 12.
Cup rack. J. W. Weisner. 2,614,699, Oct. 21.
Cup, saucer, and cream jug. G. Kliegel. 2,583,951, Jan. 29.
Cup, saucer, and cream jug combination. G. Kliegel. 2,618,943, Nov. 25.
Cup, Selfrighting. T. P. Wall. 2,601,767, July 1.
Cup support and drain. S. D. Levings. 2,598,665, June 3.
Cupping machine, Wood-heel. W. J. Grenier. 2,603,257, July 15.
Cupboard door closure. D. G. McAfee. 2,598,814, June 3.
Cupola for foundries and steelworks. A. M. F. Poumay. 2,621,915, Dec. 16.
Cupola furnace. O. C. Hoover and J. A. Boren. 2,593,303, Apr. 15.
Cupriferous disazo-dyestuffs. H. Riat and H. Mayer. 2,590,346, Mar. 25.

Cupro-titanium, Making. F. S. Wartman. 2,616,800, Nov. 4.
Cuprous oxide and copper chlorides, Production of. L. D. Supiro. 2,586,579, Feb. 19.
Curb and gutter form. O. L. Braun. 2,586,912, Feb. 26.
Curb and gutter paving machine. E. S. Clark and H. L. Andrus. 2,623,446, Dec. 30.
Curb form. F. Torrelli. 2,611,169, Sept. 23.
Curie point valve. R. A. Wittmann. 2,601,579, June 24.
Curing and treating lumber. E. L. Reedy. 2,617,202, Nov. 11.
Curing coatings of polysulfide polymers. W. S. Foulks. 2,584,264, Feb. 5.
Curing hay. S. D. Russell. 2,620,611, Dec. 9.
Curing meat products, Method and apparatus for. S. Doty. 2,596,381, May 13.
Curing of sponge rubber, Electronic. G. P. Bosomworth and F. H. Mason. 2,604,665, July 29.
Curing press. A. P. Grover. 2,623,242, Dec. 30.
Curing rubbery olefinic copolymers. F. P. Baldwin and W. C. Smith. 2,619,481, Nov. 25.
Curing rubbery substances with metadinitroso aromatic compounds. J. Rehner, Jr., and P. J. Flory. 2,616,876, Nov. 4.
Curing tube. R. C. Murray. 2,582,715, Jan. 15.
Curl forming device. E. Hoffmann and C. D. Gresham. 2,611,379, Sept. 23.
Curl holding device. R. A. Smith. 2,601,861, July 1.
Curler, Eyelash. P. A. Brown. 2,584,668, Feb. 5.
Curler, Eyelash. W. R. Tuttle and W. J. Beldue. 2,602,458, July 8.
Curler, Hair. P. Bonneau. 2,601,428, June 24.
Curler, Hair. G. A. Broyles. 2,604,894, July 29.
Curler, Hair. E. M. Graham. 2,595,844, May 6.
Curler, Hair. C. M. Gudat. 2,602,459, July 8.
Curler, Hair. E. Hammerschmidt. 2,584,698, Feb. 5.
Curler, Hair. R. E. Harvuot and A. J. Jones. 2,580,425, Jan. 1.
Curler, Hair. R. F. Holpo. 2,604,893, July 29.
Curler, Hair. R. M. Keele. 2,595,362, May 6.
Curler, Hair. N. L. Solomon. 2,608,978, Sept. 2.
Curler, Hair. S. Solop. 2,583,715, Jan. 29.
Curler, Hair. A. Teopilian. 2,592,764, Apr. 15.
Curler, Hair. A. Zachary. 2,585,611, Feb. 12.
Curler, Pin. E. N. Gathman. 2,591,418, Apr. 1.
Curling. M. Fantell. 2,613,697, Oct. 14.
Curling iron. A. F. Flournoy. 2,584,999, Feb. 12.
Currency denomination indicator. E. G. Smith. 2,614,162, Oct. 14.
Current arc welding apparatus, Automatically controlled alternating. H. Kocher. 2,603,760, July 15.
Current collector. J. E. Tong and M. McBiles. 2,610,263, Sept. 9.
Current collector head. R. W. Donaldson. 2,614,180, Oct. 14.
Current distribution and control unit. R. P. Ballou. 2,593,961, Apr. 22.
Current generating device. A. M. Madlé. 2,605,753, Aug. 5.
Current interrupter. E. F. W. Alexanderson, A. H. Mittag and R. W. Kuenning. 2,612,629, Sept. 30.
Current limiter. C. E. Mosley. 2,614,189, Oct. 14.
Current limiter. V. A. Sander. 2,619,565, Nov. 25.
Current-limiting circuit for cathode-ray tubes. J. L. Blayney. 2,617,964, Nov. 11.
Current-limiting fuse. W. S. Edsall, K. W. Swain, and F. J. Kozacka. 2,592,399, Apr. 8.
Current-limiting speed control apparatus. J. F. Kovalsky. 2,600,303, June 10.
Current measuring device. C. J. Brown. 2,615,063, Oct. 21.
Current meter. H. L. E. Dumas. 2,599,901, June 10.
Current production, sales, inventory, or like indicator. G. P. Sanderson. 2,593,348, Apr. 15.
Current regulation. L. A. Meacham. 2,607,030, Aug. 12.
Current regulator. J. Peterson. 2,605,457, July 29.
Current responsive acceleration control for electric motors. E. Battilana. 2,598,669, June 3.
Current supply apparatus. F. W. Anderson. 2,619,626, Nov. 25.
Current supply apparatus. E. W. Holman. 2,594,019, Apr. 22.
Current supply apparatus. G. W. Meszaros. 2,617,087, Nov. 4.
Current supply apparatus. J. R. Stone. 2,592,615, Apr. 15.
Current transformer short circuiting switch. S. A. Hoffman. 2,589,084, Mar. 11.
Curtain. N. S. Hicks. 2,584,205, Feb. 5.
Curtain. L. Spiegel, C. Behensky, and M. Druck. 2,584,635, Feb. 5.
Curtain and making the same. E. I. Fitz Gibbon. 2,596,395, May 13.
Curtain construction. E. P. Bixer. 2,605,830, Aug. 5.
Curtain construction. A. Halpern. 2,583,529, Jan. 29.
Curtain construction. E. J. Lepow. 2,588,256, Mar. 4.
Curtain, Elastic tied back. R. S. Van Cleeff. 2,611,428, Sept. 23.
Curtain hanger-pleater. W. B. S. Cameron. 2,588,203, Mar. 4.
Curtain hanging means. C. W. Hess. 2,617,536, Nov. 11.
Curtain hook support. M. B. Serrell. 2,607,977, Aug. 26.
Curtain raising and lowering fixture. I. Lundstrom. 2,588,641, Mar. 11.
Curtain, Refractory. L. H. Hosbein. 2,585,552, Feb. 12.
Curtain ring. E. J. Roy. 2,585,500, Feb. 12.
Curtain rod and bracket assembly, Combined. S. D. Burt, Jr. 2,596,369, May 13.
Curtain rod control. E. Williams and P. Griser. 2,587,563, Feb. 26.
Curtain, Rolling. E. Tomietto. 2,598,861, June 3.
Curtain, Shower. P. Blatt. 2,600,152, June 10.
Curtain, Shower. M. Rosenbaum. 2,613,368, Oct. 14.
Curtain, Storm. R. M. Jones. 2,587,330, Feb. 26.
Curtain stretcher. K. J. Unwin. 2,618,098, Nov. 18.
Curtain stretcher construction. K. J. Unwin. 2,611,993, Sept. 30.
Curtain stretcher, Folding. K. J. Unwin. 2,594,368, Apr. 29.
Curtain structure, Draped. A. B. Newman. 2,623,215, Dec. 30.
Curtain type inside storm window protection. C. V. Bergstrom. 2,621,724, Dec. 16.
Curtain, Window. M. Eisenberg. 2,620,027, Dec. 2.
Curve follower. N. F. Parker. 2,598,937, June 3.
Curved expander roll. J. D. Robertson. 2,582,280, Jan. 15.
Curved lengths of plastic material and apparatus for making the same. R. A. Fisch. 2,601,269, June 24.
Curved platen printing press. J. F. Jirousek. 2,602,396, July 8.
Curved platen printing press. C. F. Root. 2,595,413, May 6.
Cushion. T. G. Hawley, Jr., and E. F. Landau. 2,616,486, Nov. 4.
Cushion. D. E. Lovell. 2,620,022, Dec. 2.
Cushion. J. R. McMillin and W. Sakarnah. 2,610,337, Sept. 16.
Cushion and mattress filling machine having continuously reciprocating discharging means. A. J. Kay. 2,590,327, Mar. 25.
Cushion, Blank holder. R. C. Ingersoll. 2,581,663, Jan. 8.
Cushion, Bunion. N. W. Keasy. 2,583,652, Jan. 29.
Cushion coupler for cars. H. F. Flowers. 2,602,553, July 8.
Cushion device. K. H. Low. 2,619,362, Nov. 25.
Cushion device, Reversible. W. A. Toms. 2,585,415, Feb. 12.
Cushion door stop. G. Johnson. 2,602,182, July 8.
Cushion for foot pedals. S. F. Bashara. 2,584,831, Feb. 5.
Cushion, Reclining air. G. L. Boland. 2,612,645, Oct. 7.
Cushion retaining device for chair backs. P. Challis. 2,606,600, Aug. 12.
Cushion, Reversible sponge. L. E. Futterknecht. 2,619,659, Dec. 2.
Cushion, Rubber foam. J. Glassman. 2,588,823, Mar. 11.
Cushion support for typewriters. C. H. Williams. 2,613,898, Oct. 14.
Cushion underframe. S. H. Fillion. 2,613,819, Oct. 14.
Cushioned bearing and bushing therefor. W. S. Pierce, Jr. 2,608,451, Aug. 26.
Cushioned electronic control with opposed winding reactor. W. Few and J. D. Sauter. 2,621,318, Dec. 9.
Cushioned harness clamp. H. P. Thomas. 2,618,450, Nov. 18.
Cushioned pad for use in jewelry boxes and making same. R. A. Wetherell. 2,621,142, Dec. 9.
Cushioning and silencing mechanical tappet. J. W. Humphreys. 2,615,439, Oct. 28.
Cushioning device for hydraulic clutches. H. Grandgirard. 2,587,141, Feb. 26.
Cushioning device, Mechanical. J. C. Lockwood. 2,594,665, Apr. 29.
Cushioning material and making same. M. J. Harris, N. Elnbinder, and L. A. Manus. 2,622,308, Dec. 23.
Cushioning means. O. R. Rowe and W. J. Stolp. 2,615,707, Oct. 28.
Cutoff for fuel control of motor vehicles. J. L. Patrick. 2,621,766, Dec. 16.
Cutoff machine. W. Rodder, D. V. Strock, and L. S. Heym. 2,604,690, July 29.
Cutoff mechanism. F. O. Johnson. 2,586,052, Feb. 19.
Cutoff plate for spreader boxes. W. J. Miller. 2,590,443, Mar. 25.
Cutoff switch for typewriters, Automatic. J. F. Smathers. 2,602,529, July 8.
Cutoff tool holder. H. N. Girardin. 2,623,271, Dec. 30.
Cutout coupling. R. A. Baudry. 2,608,071, Aug. 26.
Cut film adapter for serial photography for photographic cameras. R. L. Brigham and A. Shelton. 2,602,386, July 8.
Cut textile piece adapted for use as diapers, wiping cloths, and the like. T. J. Swartz. 2,619,089, Nov. 25.
Cutter: *See*—
Adjustable milling cutter.
Adjustable wood plug cutter.
Bean and pea plant cutter.
Bobbin cutter.
Boring cutter.
Bottle seal cutter.
Can cutter.
Carpet cutter.
Carrot cutter.
Cast cutter.
Circle cutter.
Cooky molding cutter.
Corrugated sheet metal cutter.
Cross feed cutter.
Disinfecting seed potato and laterally moving cutter.
Doughnut cutter.

Cutter: *See*—Continued.
End mill cutter.
Fabric cutter.
Filled cooky cutter.
Finishing cutter.
Forwardly mounted tractor sod cutter.
Gasket cutter.
Gear cutter.
Grain cutter.
Grass cutter.
Hand-operated oscillating cutter.
Hedge cutter.
Hydraulically operated mobile weed and brush cutter.
Inside pipe cutter.
Masonry cutter.
Milling cutter.
Multiple die cutter.
Paper cutter.
Pie top cutter.
Pipe cutter.
Portable shape cutter.
Potato cutter.
Revoking shuttle feeler carried weft cutter.
Rotary cutter.
Rotary disk cutter.
Seal cutter.
Sewing-machine thread cutter.
Sheet cutter.
Sheet metal cutter.
Sod cutter.
Spring cutter.
Stalk cutter.
Staple cutter.
Straw cutter.
Tape cutter.
Tie cutter.
Tile cutter.
Tube cutter.
Twisted selvage cutter.
Unitary cooky cutter.
Utility cutter.
Vegetable cutter.
Vise-operated rod cutter.
Window shade cutter.
Wire cutter.
Cutter, W. P. Dooley. 2,581,470, Jan. 8.
Cutter and forming the same. E. A. Goddard. 2,614,441, Oct. 21.
Cutter and transfer device for fish canning machines. R. E. J. Nordquist. 2,581,432, Jan. 8.
Cutter attachment for toggle-actuated plier-type wrenches. C. Petersen. 2,590,031, Mar. 18.
Cutter bar for mowing machines, Adjustable. A. L. Allen. 2,620,615, Dec. 9.
Cutter bar mounting and control for crop cutting vehicles. R. E. Bert and J. L. Wetta. 2,596,641, May 13.
Cutter blade. J. Hansen. 2,596,851, May 13.
Cutter chain. L. E. Simmons. 2,581,723, Jan. 8.
Cutter chain. L. E. Simmons. 2,601,978, July 1.
Cutter chain structure. R. F. Prox, Jr., and B. F. Woods. 2,612,056, Sept. 30.
Cutter device for composition floor tiles. F. L. Mitchell. 2,608,255, Aug. 26.
Cutter for biscuits and cracker cutting and embossing machines. J. E. and R. M. Weidenmiller. 2,589,907, Mar. 18.
Cutter for dispensing containers, Pivoted. P. G. Turner. 2,604,166, July 22.
Cutter for gears, face couplings, and the like. E. Wilhaber. 2,586,451, Feb. 19.
Cutter for onions and the like. W. S. Fuld. 2,609,023, Sept. 2.
Cutter guard for woodworking machines. E. Schutz. 2,623,554, Dec. 30.
Cutter head for dry shavers. W. Schaufelberger. 2,619,719, Dec. 2.
Cutterhead for hair clippers. E. M. Brown and E. H. Forss. 2,611,955, Sept. 30.
Cutterhead for wood-turning lathes. J. Barksdale. 2,588,465, Mar. 11.
Cutter head of a dry-shaving device. A. van der Lee, W. L. Vivie, and K. R. Hofland. 2,610,395, Sept. 16.
Cutter head sharpening attachment. E. P. Sacrey. 2,617,237, Nov. 11.
Cutter head with slotted bit seats, Rotary. E. P. Sacrey. 2,591,614, Apr. 1.
Cutter unit for mowing machines. E. H. Zipf. 2,601,753, July 1.
Cutting and breaking glass, Method and apparatus for. D. W. Dunipace. 2,584,851, Feb. 5.
Cutting and forming machine. C. Harter. 2,596,997, May 20.
Cutting and forming machine, Grid. R. A. Englert. 2,586,629, Feb. 19.
Cutting and harvesting vine and bush crops. H. D. Hume. 2,581,661, Jan. 8.
Cutting and salvaging automobile bodies. B. I. Hochman. 2,590,700, Mar. 25.
Cutting and slitting device. H. E. Smith. 2,597,540, May 20.
Cutting and trimming machine, Record. R. W. Keck and H. F. Filliman. 2,586,663, Feb. 19.
Cutting apparatus. W. G. Sweetman. 2,587,243, Feb. 26.
Cutting apparatus. N. Zuck. 2,609,875, Sept. 9.
Cutting apparatus for lenses, especially spectacle-glasses. T. G. Aulin. 2,604,697, July 29.
Cutting apparatus for wallboards and the like. J. F. Butler. 2,611,179, Sept. 23.
Cutting attachment for land-clearing equipment. C. E. Reid, Sr. 2,615,262, Oct. 28.
Cutting attachment for paper box machines, Box. H. Keller. 2,590,774, Mar. 25.
Cutting brittle tubing. O. Denlinger. 2,612,001, Sept. 30.
Cutting cables, tubes, bars, rods, and the like. G. V. A. and M. A. Duch. 2,606,266, Aug. 5.
Cutting chain. A. B. Reid. 2,605,788, Aug. 5.
Cutting chain for saws. A. B. Reid. 2,595,884, May 6.
Cutting chain structure. C. J. Forbes. 2,581,586, Jan. 8.
Cutting device. C. F. Bowersett. 2,619,083, Nov. 25.
Cutting device. Y. E. Merodian. 2,600,067, June 10.
Cutting device. B. Moore. 2,604,694, July 29.
Cutting device for chopping up foodstuff. W. Zeller. 2,623,563, Dec. 30.
Cutting device for moving strip. J. Gerbe. 2,592,268, Apr. 8.
Cutting device for severing a portion of tape unwound from a roll. D. J. Jardine. 2,588,729, Mar. 11.
Cutting device, Sheet material. A. W. Schaldach. 2,586,566, Feb. 19.
Cutting disk for lawn mowers. J. F. Ahlgrim. 2,598,091, May 27.
Cutting doweling and like articles. R. H. Hayhurst. 2,597,099, May 20.
Cutting element for slicing machines. G. W. Shaver. 2,581,501, Jan. 8.
Cutting gears. A. W. Klomp. 2,620,549, Dec. 9.
Cutting gears, face clutches, and the like. L. O. Carlsen. 2,604,822, July 29.
Cutting gears, Method and machine for. E. Wildhaber. 2,598,327, May 27.
Cutting head for dry shavers. C. J. J. Dankers. 2,616,168, Nov. 4.
Cutting implement drive means. E. E. Wettley. 2,601,193, June 17.
Cutting implement holder. H. O'Neill. 2,601,450, June 24.
Cutting indentations in the surface of circular dies. M. A. Ockerman. 2,623,438, Dec. 30.
Cutting knife slot closing plate. F. W. Seybold. 2,597,826, May 20.
Cutting machine. B. B. Junkunc and W. Mazanek. 2,606,613, Aug. 12.
Cutting machine. C. A. Papendick. 2,582,154, Jan. 8.
Cutting machine. A. A. Rembold. 2,611,433, Sept. 23.
Cutting machine. W. R. Spiller and F. W. Varwig. 2,599,591, June 10.
Cutting machine, Automatic. O. Amiet. 2,594,708, Apr. 29.
Cutting machine, Doughnut. M. M. Fulmer. 2,585,379, Feb. 12.
Cutting machine for brick, tile, and similar articles. G. P. Scott. 2,591,206, Apr. 1.
Cutting machine, Metal. J. Anderson. 2,591,765, Apr. 8.
Cutting machine, Paper. F. D. McLaughlin. 2,608,254, Aug. 26.
Cutting machine, Sectionalizing. W. E., J. R., and G. W. Urschel. 2,603,262, July 15.
Cutting mechanism and extrusion nozzle for continuously moving plastic bars. A. and G. Sharp. 2,613,618, Oct. 14.
Cutting oil. S. Manilych and L. L. Lambert. 2,591,570, Apr. 1.
Cutting oil concentrate and making same. F. Veatch and J. G. Partch. 2,592,624, Apr. 15.
Cutting or marking similar articles. T. J. H. Boulton. 2,616,104, Nov. 4.
Cutting pad. A. R. Olson and E. W. Gelewitz. 2,611,757, Sept. 23.
Cutting plate for a dry-shaving apparatus. K. R. Hofland. 2,590,619, Mar. 25.
Cutting plate of dry-shaving apparatus. R. Keblusek. 2,616,170, Nov. 4.
Cutting plate of dry-shaving devices. K. R. Hofland. 2,616,169, Nov. 4.
Cutting pliers. W. Josselyn. 2,605,543, Aug. 5.
Cutting projecting gear teeth. S. S. Cook and L. M. Douglas. 2,615,359, Oct. 28.
Cutting sheet material into blanks. E. Blair. 2,600,834, June 17.
Cutting sheet material, Method of and apparatus for. W. W. Prue. 2,604,165, July 22.
Cutting steel having a high chromium content. C. J. Sullivan and H. R. Fisher. 2,583,068, Jan. 22.
Cutting tool. J. H. Godfrey and H. C. Peck. 2,623,283, Dec. 30.
Cutting tool. W. J. Greenleaf. 2,623,272, Dec. 30.
Cutting tool. P. M. McKenna and W. L. Kennicott. 2,598,581, May 27.
Cutting tool. B. E. Middleton. 2,595,090, Apr. 29.
Cutting tool. O. W. Roth. 2,598,443, May 27.
Cutting tool. W. J. Sloderbeck and W. H. Fritz, Sr. 2,583,309, Jan. 22.
Cutting tool. C. H. Zimmerman. 2,595,500, May 6.
Cutting tool mounting. J. S. Robbins. 2,587,065, Feb. 26.
Cutting torch machine, Manually operated. V. E. Rotsch. 2,603,475, July 15.
Cutting torch with inclined and offset cutting oxygen discharge passage. P. W. M. M. de Jong, H. G. van Huis, and J. Ridderikhoff. 2,623,576, Dec. 30.
Cutting unit for mining machines. J. C. Buttrick. 2,595,565, May 6.
Cuticle guard. E. M. Linton. 2,610,640, Sept. 16.
Cuticle pusher. I. S. Ohman. 2,615,453, Oct. 28.
Cyanides, Manufacture of. W. H. Groombridge and W. Hunter. 2,586,030, Feb. 19.
Cyanine dyestuffs, Production of. J. D. Kendall and J. R. Majer. 2,596,776, May 13.
Cyanoethyl ether of S-(2-phenethyl)-2-mercaptoethanol. J. Dazzi. 2,617,819, Nov. 11.
Cycle frame or the like. J. L. Henderson. 2,595,075, Apr. 29.
Cycle saddle support. R. W. Faulhaber. 2,600,101, June 10.
Cyclic adsorption process. C. J. Egan and J. W. Scott. 2,599,545, June 10.
Cyclic carbinols. C. B. Linn. 2,597,842, May 27.

Cyclic control system for burners or other condition changers. J. A. Deubel. 2,615,508, Oct. 28.
Cyclic fluid pressure overlapped multicontact switching mechanism for rectifiers. J. A. Favre. 2,616,997, Nov. 4.
Cyclic fluoroalkylene oxide compounds. E. A. Knuck and J. H. Simons. 2,594,272, Apr. 29.
Cyclic ketal derivatives of sterolds and preparing the same. S. Bernstein, R. M. Antonucci, and M. D. Heller. 2,622,081, Dec. 16.
Cyclic monoolefins, Production of. H. Heinemann. 2,593,446, Apr. 22.
Cyclic olefins. C. B. Linn. 2,615,055, Oct. 21.
Cyclic organic compounds. R. R. Whetstone. 2,610,193, Sept. 9.
Cyclic path motor-driven reciprocating saw machine. G. R. H. Vulliet-Durand. 2,619,131, Nov. 25.
Cyclic process for production of sodium bicarbonate and ammonium chloride. W. S. Miller and L. C. Hirdler. 2,622,004, Dec. 16.
Cyclic progression game table set. F. S. Greene. 2,585,380, Feb. 12.
Cyclic silahydrocarbons. J. T. Goodwin, Jr. 2,607,791, Aug. 19.
Cyclic substituted synthetic estrogens, Preparation of. E. Kaiser, A. L. Andersen, Jr., and J. J. Svarz. 2,586,343, Feb. 19.
Cycloalkane oxidation. F. T. Wadsworth. 2,589,648, Mar. 18.
Cycloalkyl aromatic ethers of polyalkylene glycols. L. Schmerling. 2,616,930, Nov. 4.
Cycloheptatrien-1-ol-2-one monosulfonic acids and manufacturing same. E. G. Howard, Jr. 2,623,898, Dec. 30.
Cyclohexane-diamines predominantly in the cis form, Preparing. J. E. Kirby. 2,606,926, Aug. 12.
Cyclohexene, Preparing. H. F. Rickert, E. Stein, and O. Bayer. 2,590,208, Mar. 25.
Cyclohexene, Preparing. H. F. Rickert, E. Stein, and O. Bayer. 2,596,102, May 13.
Cyclohexyl-amino-alcohols. R. R. Burtner and W. M. Selby. 2,586,512, Feb. 19.
Cyclohexyl methyl ketones. F. C. Novello. 2,618,653, Nov. 18.
Cyclohexylsulfamylbenzoic acid. C. S. Miller. 2,608,512, Aug. 26.
Cycloidal grinding and mixing device. C. D. Neff. 2,606,721, Aug. 12.
Cycloidal rotor for aircraft. H. M. Heuver. 2,580,428, Jan. 1.
Cyclooctatetraene, Preparation of. A. J. Canale and J. K. Kincaid. 2,613,231, Oct. 7.
Cyclopentadiene-resinous material reaction products, Production of. C. F. Peters. 2,598,425, May 27.
Cyclopentadiene-tall oil compostions, Production of. C. F. Peters. 2,598,424, May 27.
Cyclopentanopolyhydrophenanthrene derivatives. M. R. Ehrenstein. 2,584,001, Jan. 29.
Cyclopentenolone esters of cyclopropane carboxylic acids. M. S. Schechter and F. B. La Forge. 2,603,652, July 15.
Cyclopentenyl carbinols. C. B. Linn. 2,597,843, May 27.
Cyclopolysiloxanes. R. O. Sauer. 2,595,891, May 6.
Cyclone disintegrator. A. Bittner. 2,615,637, Oct. 28.
Cyclone dust collector. H. Held and J. Welts. 2,583,696, Jan. 29.
Cyclone furnace with separated combustion and heat exchange chambers. M. A. G. Fabia and H. E. G. J. Clausen. 2,584,686, Feb. 5.
Cyclone separator. B. E. Bailey. 2,607,438, Aug. 19.
Cyclone separator. J. J. Israel. 2,604,956, July 29.
Cyclone separator. H. van der Kolk. 2,590,480, Mar. 25.
Cylinder adjusting means for machines for printing fabrics, paper, and other materials. J. Dungler. 2,587,606, Mar. 4.
Cylinder adjusting mechanism for rotary printing presses. R. R. Richardson and W. H. Edmondson. 2,601,220, June 17.
Cylinder, Air pump. J. A. Murnane and R. L. Curry. 2,604,258, July 22.
Cylinder and piston construction. C. C. Mitchell. 2,603,190, July 15.
Cylinder assembly for fluid pressure systems, Master. G. Farina. 2,602,297, July 8.
Cylinder bore contour gauge. A. M. Brenneke. 2,621,416, Dec. 16.
Cylinder broach. H. P. Phillips. 2,591,004, Apr. 1.
Cylinder check mechanism for duplicating machines. R. M. Ford and G. T. Butler. 2,623,459, Dec. 30.
Cylinder coating machine, Adjustable. J. H. McMahon. 2,622,556, Dec. 23.
Cylinder, Compound master. A. B. Seppmann. 2,580,850, Jan. 1.
Cylinder dampener for offset-printing machines. M. Ras. 2,590,429, Mar. 25.
Cylinder, Decatizing. G. G. Hennig. 2,591,813, Apr. 8.
Cylinder, Decatizing. A. L. Nazzaro. 2,596,910, May 13.
Cylinder drive and adjusting means for rotary printing machines. F. Lembo. 2,619,033, Nov. 25.
Cylinder for air-cooled combustion engines, Working. R. Kloss, E. G. Engels and P. Combüchen. 2,608,962, Sept. 2.
Cylinder for hydraulic brakes or the like, Master. J. D. Allyn. 2,587,023, Feb. 26.
Cylinder for hydraulic brakes, Three-way hydraulic. P. B. Burhans. 2,605,864, Aug. 5.
Cylinder for rotary multicolor printing, Expansible printing. P. J. Schoonenberg. 2,583,889, Jan. 29.
Cylinder harrow, Self-cleaning power-driven. G. Kramer. 2,599,845, June 10.
Cylinder head. K. Rabe. 2,584,289, Feb. 5.
Cylinder head. P. S. Vaughan. 2,614,549, Oct. 21.
Cylinder head assembly for internal-combustion engines. J. E. Witzky, W. S. Lang, and R. J. Jakob. 2,610,078, Nov. 25.
Cylinder head for hot-gas reciprocating engines. J. A. L. Yzer. 2,616,250, Nov. 4.
Cylinder head for internal-combustion engines. E. P. Pescara. 2,609,805, Sept. 9.
Cylinder hone. H. P. Phillips. 2,612,010, Sept. 30.
Cylinder, Hydraulic master. J. T. Risse. 2,590,430, Mar. 25.
Cylinder liner. F. Rippingille. 2,617,401, Nov. 11.
Cylinder lock. O. A. Blohm. 2,580,882, Jan. 1.
Cylinder lock. A. F. and G. F. Pastor, and E. J. and A. J. Mir. 2,596,720, May 13.
Cylinder lock. J. E. Salmivuori. 2,613,528, Oct. 14.
Cylinder mounting means for rotary printing apparatus. W. C. Huebner. 2,605,701, Aug. 5.
Cylinder papermaking machine. R. H. Breyfogle. 2,609,732, Sept. 9.
Cylinder, Percussion. V. C. Sterrett. 2,603,191, July 15.
Cylinder piston structure. E. A. Rockwell. 2,593,055, Apr. 15.
Cylinder, Rotating amusement. E. W. Hoffmeister. 2,586,333, Feb. 19.
Cylinder sleeve puller. M. P. D'Haem. 2,617,181, Nov. 11.
Cylinder sleeve roller. V., and G. W. Pace. 2,600,800, June 17.
Cylinder structure for hydraulic brake systems, Master. A. Blackman. 2,596,119, May 13.
Cylinder tissue paper machine. E. B. Geary. 2,602,380, July 8.
Cylinder type lock with plural tumbler sets. A. Tonnessen. 2,618,957, Nov. 25.
Cylinder type rubber oarlock holder. S. R. Messman. 2,602,172, July 8.
Cylindrical absorptive fibrous body and the manufacture thereof. J. Goldman. 2,608,901, Sept. 2.
Cylindrical contact magnetic head. J. P. Eckert, Jr. and L. R. Mock. 2,618,709, Nov. 18.
Cylindrical converter. H. A. Brassert. 2,599,158, June 3.
DDT dispersions using carboxy methyl cellulose, Preparing. C. V. Coash. 2,614,061, Oct. 14.
DDT, Manufacture of. N. E. Searle. 2,610,213, Sept. 9.
d,l-dihydro-lysergic acid, Preparing. A. Stoll and J. Rutschmann. 2,619,488, Nov. 25.
Dairy products and process thereof, Packaged. M. R. Coe. 2,598,506, May 27.
Dam. J. Mesnager. 2,609,666, Sept. 9.
Dam forming machine. O. H. Bennett. 2,622,501, Dec. 23.
Dam spillway and operating the same. J. S. Hale. 2,616,266, Nov. 4.
Dampening apparatus and method for lithographic printing. W. G. Mullen. 2,604,848, July 29.
Dampening mechanism for offset-printing presses and other printing presses. C. E. Larsen. 2,622,521, Dec. 23.
Dampening roller removal and insertion mechanism. A. G. Jacobson. 2,607,291, Aug. 19.
Damper. E. H. Person and R. D. Tutt. 2,621,579, Dec. 16.
Damper. A. W. Schach. 2,586,997, Feb. 26.
Damper construction. E. B. Morgan. 2,590,998, Apr. 1.
Damper control unit. W. A. Will. 2,621,649, Dec. 16.
Damper motor. W. A. Will. 2,613,543, Oct. 14.
Damper operating and securing structure. R. L. Leigh. 2,596,570, May 13.
Damper, Stovepipe. G. A. Sticht. 2,611,543, Sept. 23.
Damper, Vibration. T. H. Peirce. 2,597,747, May 20.
Damping and arresting means for suspension systems. A. F. Turner and O. A. Ullrich, Jr. 2,602,332, July 8.
Damping device for rotative wing aircraft. H. S. Campbell. 2,604,953, July 29.
Damping mineral fibers to be sprayed in air. N. L. Dolbey. 2,604,416, July 22.
Dandruff removing appliance. J. Garner. 2,610,352, Sept. 16.
Danger detecting means for gas distributing systems. G. L. Weissman and H. A. Graffis. 2,585,882, Feb. 12.
Dark field color filter with polarizing means for microscopes. K. A. Fischer. 2,594,758, Apr. 29.
Darning foot for sewing machines. W. Hofgesang. 2,619,927, Dec. 2.
Darning machine for hose-shaped work. K. Schelwiller. 2,623,486, Dec. 30.
Dart for torso-fitting lady's garment. L. Armour. 2,582,739, Jan. 15.
Dart target and support. O. W. Bishop. 2,618,484, Nov. 18.
Dashboard, Enclosed automobile. A. R. Scott. 2,605,687, Aug. 5.
Dash-pot. J. F. Pezdic. 2,619,200, Nov. 25.
Dashpot for carburetor throttles, Electrically controlled. R. R. Strebinger. 2,598,855, June 3.
Dashpot for fuel metering devices, Controlled. P. R. Vogt and P. T. Nims. 2,609,662, Sept. 9.

Dashpot for servomotors. W. A. Fletcher. 2,580,751, Jan. 1.
Data comparing apparatus. H. P. Luhn, B. F. Ambrosio, and K. W. Dean. 2,602,545, July 8.
Data conversion system. D. H. Gridley. 2,597,866, May 27.
Data look-up apparatus for computing or other machines. F. E. Hamilton, R. R. Seeber, Jr., and R. W. Prentice. 2,580,768, Jan. 1.
Data receiving and retaining mechanism. R. B. Johnson, H. A. Jurgens and O. F. Moneagle. 2,606,244, Aug. 5.
Data storage apparatus. J. M. Coombs and C. B. Tompkins. 2,617,705, Nov. 11.
Data translator employing displaceable data cards. J. O'D. Shepherd. 2,605,965, Aug. 5.
Data transmitting means in record controlled statistical machines. L. E. Brougham and J. Perrin. 2,591,128, Apr. 1.
Data writing machine. T. A. Federwitz. 2,598,523, May 27.
Date-reminder sheet. A. Ratner. 2,582,355, Jan. 15.
Davit control mechanism. D. E. Dodgson. 2,622,251, Dec. 23.
Davit mechanism. A. D. Webster. 2,616,102, Nov. 4.
Daylight-fluorescent textiles. J. L. Switzer and R. A. Ward. 2,606,809, Aug. 12.
Deactivation of popcorn polymer with nitric acid. R. G. Boatright and J. Fetchin. 2,616,935, Nov. 4.
Dead bait and dead bait tackle for fishing. E. A. Waterton. 2,605,578, Aug. 5.
Deaerating a suspension of papermaking stock. C. L. Clark and C. Vicario. 2,614,656, Oct. 21.
Deaerating apparatus. E. L. Cline. 2,590,754, Mar. 25.
Deaerating apparatus. J. M. Kahn. 2,580,791, Jan. 1.
Deaerating system for water or steam condensate. A. Kirkpatrick and H. H. McMeen. 2,605,856, Aug. 5.
Deaeration and drying of water-soluble sulfonated detergent compositions. E. Davis. 2,606,156, Aug. 5.
Deaeration of viscous and plastic materials. L. E. Peterson and S. L. Dart. 2,620,894, Dec. 9.
Deasphalting mixtures of hydrocarbons. H. C. Myers. 2,587,643, Mar. 4.
Deasphaltizing oils. K. A. Fischer. 2,591,690, Apr. 8.
Debarking machine having staggered flail-carrying drums for broadside attack on rotating logs. J. K. Williford. 2,599,962, June 10.
Debooster. C. Hollerith. 2,622,530, Dec. 23.
Deburring tool having a slender body for projecting into an aperture. S. A. Cogsdill. 2,620,689, Dec. 9.
Decachlorotetrahydro-4,7-methanoindeneone pesticide and combating noxious organisms therewith. E. E. Gilbert and S. L. Giolito. 2,616,825, Nov. 4.
Decachlorotetrahydro-4,7-methanoindeneone, Preparing. E. E. Gilbert and S. L. Giolito. 2,616,928, Nov. 4.
Decantation apparatus. H. E. Lewis. 2,603,355, July 15.
Decanting device. A. D. Way. 2,622,736, Dec. 23.
Decnulking apparatus. J. H. Franks. 2,581,477, Jan. 8.
Deceleration signal. R. P. McNerney. 2,586,685, Feb. 19.
Dechlorination of a halocarbon containing chlorine. O. A. Blum. 2,590,433, Mar. 25.
Decimal indicator. F. A. Niemann. 2,585,578, Feb. 12.
Decimal point indicator for calculating machines. A. B. Machado. 2,615,632, Oct. 28.
Deck hatch structure. H. E. Kennedy. 2,585,134, Feb. 12.
Deck of playing cards. H. W. Johnson. 2,582,544, Jan. 15.
Decoder and translator with readily changeable translations. F. K. Low. 2,603,716, July 15.
Decoder for pulse code modulation receivers. E. W. Adams, Jr. 2,592,228, Apr. 8.
Decoding device. E. F. MacNichol, Jr. 2,597,352, May 20.
Decoding system, Binary. C. H. Hoeppner. 2,607,006, Aug. 12.
Decolorization of tallow. H. J. Passino and O. Morfit. 2,621,198, Dec. 9.
Decolorizing a soybean oil miscella. R. A. Marmor and W. W. Moyer. 2,608,566, Aug. 26.
Decolorizing and sterilizing spices. B. T. Malter. 2,615,813, Oct. 28.
Decolorizing caustic soda solutions. W. R. Bennett and C. A. Cummins. 2,601,203, June 17.
Decomposing adducts. G. C. Ray. 2,619,501, Nov. 25.
Decomposition of complex metal phosphate salts. D. M. Gruen and J. J. Katz. 2,599,326, June 3.
Decomposition product deposit reduction. A. E. Lacomble. 2,592,435, Apr. 8.
Decompression mechanism for reciprocating internal-combustion engines. C. N. Goldsmith. 2,619,948, Dec. 2.
Decorating. R. Squires. 2,597,396, May 20.
Decorating ceramic bodies. R. B. Harlan and W. E. Gardner. 2,587,152, Feb. 26.
Decoration of heat-resisting bases, such as glass, earthenware, and china. F. E. Kerridge and C. S. Couper. 2,610,126, Sept. 9.
Decoration stamping machine. G. E. Ryckman. 2,612,106, Sept. 30.
Decorative and protective sheet. W. E. Le Clair and E. De Lia. 2,617,750, Nov. 11.
Decorative garnishing material. R. R. Reeves. 2,622,358, Dec. 23.
Decorative rotatable electrical display. P. T. Syretz. 2,605,386, July 29.
Decorative sheet-like articles, Making. M. A. Chavannes and L. E. Magoon. 2,587,594, Mar. 4.
Decorative sheets, Making. J. M. Lurie. 2,619,753, Dec. 2.
Decorative tissues, Making. A. W. Boese. 2,620,853, Dec. 9.
Decorative wax figures and preparing same. A. French. 2,606,137, Aug. 5.
Decoy. H. J. Bertram. 2,622,360, Dec. 23.
Decoy. W. G. Colgan. 2,590,842, Apr. 1.
Decoy spreader. W. A. Milam. 2,616,200, Nov. 4.
Decreasing deionization of gas tubes. L. Malter and E. O. Johnson. 2,617,969, Nov. 11.
Decreasing fluorescence of synthetic caffeine. J. S. Buckley, Jr. 2,584,839, Feb. 5.
Decreasing the degree of polymerization of polyvinyl alcohol. K. Vogler. 2,581,987, Jan. 8.
Dedenting machine for closed end containers. E. C. Kradoska. 2,613,721, Oct. 14.
Dedusting soap and the resulting product. J. W. Bodman. 2,592,385, Apr. 15.
Deenameling process. A. M. Lander. 2,584,031, Jan. 29.
Deep well bridge. W. K. Van Brunt and T. W. Hollis. 2,605,846, Aug. 5.
Deep-well pump. F. E. Dunn. 2,592,547, Apr. 15.
Deep well treatment. P. H. Cardwell, A. W. Coulter, Jr., and H. H. Jones. 2,590,814, Mar. 25.
Deer call. A. H. Carhart. 2,584,549, Feb. 5.
Defatting starch. C. E. Rist, H. A. Davis, and I. A. Wolff. 2,587,650, Mar. 4.
Defecating process and apparatus. A. V. Brieghel-Müller. 2,610,929, Sept. 16.
Defective crate detector and ejector. A. C. Davis. 2,593,119, Apr. 15.
Defectively labeled and nonlabeled can detecting device. G. J. Palmer. 2,590,343, Mar. 25.
Deferred action type gas depolarized dry cell having prolonged shell life. G. W. Heise and R. P. Fox. 2,609,408, Sept. 2.
Defibering presoaked lignocellulose. G. Magnuson. 2,610,119, Sept. 9.
Definite position release type clutch. H. G. Goetz and H. F. Ruschmann. 2,600,636, June 17.
Deflection coil arrangement in cathode-ray tubes. W. Reinhard. 2,598,303, May 27.
Deflection control electron discharge device. R. Adler. 2,615,142, Oct. 21.
Deflection control system. F. J. Darke, Jr. 2,611,816, Sept. 23.
Deflection system. S. I. Tourshou and R. G. Wolcott. 2,580,977, Jan. 1.
Deflector cleansing device. J. R. Yancey and E. J. Robishaw. 2,582,403, Jan. 15.
Deflector for continuous mill. G. S. Rask. 2,610,533, Sept. 16.
Deflector for tractors, Hot-air. C. E. Clapper. 2,584,329, Feb. 5.
Defoamer for bottling machines. E. R. Andre. 2,604,247, July 22.
Defoliation of growing plants. T. R. Hansberry. 2,599,827, June 10.
Deformable means for interlocking machine elements. L. L. Mallard. 2,620,008, Dec. 2.
Deformable medium for controlling a light stream. E. F. Fischer. 2,605,352, July 29.
Deformable sheet metal fastening clip. W. R. Wiley. 2,611,166, Sept. 23.
Deformation of metals. C. W. Bimba and F. Brown. 2,602,538, July 8.
Defrost indicator for refrigerators. A. G. Janos and J. L. Knight. 2,618,934, Nov. 25.
Defroster. M. M. Schultz. 2,609,472, Sept. 2.
Defroster circuit. B. D. Thomas. 2,601,466, June 24.
Defroster control. H. S. King. 2,614,395, Oct. 21.
Defrosting arrangement in refrigerating apparatus. H. R. Heintzen. 2,616,268, Nov. 4.
Defrosting control in an air-cooling system. J. E. Watkins. 2,580,627, Jan. 1.
Defrosting cooling coils. M. W. Garland. 2,607,202, Aug. 19.
Defrosting device. L. Carfano and C. D'Amico. 2,621,648, Dec. 16.
Defrosting refrigerating apparatus. G. S. McCloy. 2,616,272, Nov. 4.
Defrosting refrigeration apparatus. G. S. McCloy. 2,598,408, May 27.
Defrosting system, Refrigerator. W. L. Hansen and H. G. Manson. 2,612,026, Sept. 30.
Degasification of liquids. L. W. Petersen. 2,585,831, Feb. 12.
Degenerative feedback radio amplifying system. J. A. Worcester, Jr. 2,598,478, May 27.
Degraded allyl starch, Preparation of. K. C. Hobbs. 2,615,885, Oct. 28.
Degreasing machine. O. J. Bratz. 2,595,920, May 6.
Degree level. A. A. Rouse. 2,580,601, Jan. 1.
Degumming bast fibers. M. Byrne. 2,606,094, Aug. 5.
Dehairing apparatus for hog carcasses. A. O. Lundell. 2,588,259, Mar. 4.
Dehalogenation of aromatic compounds. E. C. Britton and J. D. Head. 2,590,813, Mar. 25.

Dehorning device. S. S. Mims. 2,582,450, Jan. 15.
Dehumidification system for buildings. F. O. Anderegg. 2,601,905, July 1.
Dehumidifier. J. W. Case. 2,596,079, May 20.
Dehumidifying system. F. O. Anderegg. 2,588,339, Mar. 11.
Dehydrated carrots, Preparation of. M. P. Masure. 2,619,424, Nov. 25.
Dehydrating and curing vanilla fruit. L. V. Towt. 2,621,127, Dec. 9.
Dehydrating isophorone fatty acid extract. K. K. Mercer and W. E. Catterall. 2,588,268, Mar. 4.
Dehydrating lignite. H. G. Lykken. 2,610,115, Sept. 9.
Dehydration. D. B. Vincent. 2,600,945, June 17.
Dehydration of alcohols. W. P. Burton. 2,614,971, Oct. 21.
Dehydration of alcohols. W. E. Lobo and G. T. Skaperdas. 2,597,009, May 20.
Dehydration of alcohols by extractive distillation. W. E. Catterall. 2,591,671, Apr. 8.
Dehydration of alcohols by gasoline extractive distillation. W. E. Catterall. 2,591,672, Apr. 8.
Dehydration of aqueous isopropanol. J. D. Brooks and H. O. Mottern. 2,604,440, July 22.
Dehydration of castor oil. R. J. Carter and M. Bristow. 2,598,108, May 27.
Dehydration of gases. H. D. Frazier and F. C. Riesenfeld. 2,603,311, July 15.
Dehydration of mineral salts and the like. A. A. Holland. Re. 23,608, Dec. 30.
Dehydration of organic acids. E. Solomon. 2,581,452, Jan. 8.
Dehydration of organic fluids. E. A. Rodman. 2,595,544, May 6.
Dehydration of steroid side-chain secondary alcohols. G. B. Spero, R. H. Levin, and F. W. Heyl. 2,589,305, Mar. 18.
Dehydration unit. S. W. Briggs, W. C. Bauer, and W. J. Ewbank. 2,583,812, Jan. 29.
Dehydrator. W. L. McGehee. 2,617,529, Nov. 11.
Dehydrator plug. M. E. Chandler and S. F. Hunt. 2,614,650, Oct. 21.
Dehydrator, Spherical. W. A. Stover. 2,620,892, Dec. 9.
Dehydrator structure. E. W. Bottum. 2,595,445, May 6.
Dehydrochlorination of polychloroethanes. H. W. Hill and E. L. Dance. 2,593,451, Apr. 22.
Dehydrogenation catalyst, Preparation of a. J. L. Amos, L. H. Silvernail, and F. J. Soderquist. 2,603,610, July 15.
Dehydrogenation of hydrocarbon with synthetic gel-type metal oxide catalysts. E. W. Pitzer. 2,586,377, Feb. 19.
Dehydrogenation of hydrocarbons. C. L. Thomas and J. C. Morrell. 2,592,765, Apr. 15.
Dehydrohalogenation of polyvinylchloride. J. Dawning. 2,606,177, Aug. 5.
Dehydroisoandrosteryl mercaptan and process. S. Bernstein and K. J. Sax. 2,582,918, Jan. 15.
Deicing device for aircraft fuel systems. R. G. Dunn and R. F. Heiser. 2,623,638, Dec. 30.
Deicing means for propellers. L. H. Enos. 2,619,305, Nov. 25.
Deicing system for propellers. C. W. Chillson and W. E. Brigham, Jr. 2,592,118, Apr. 8.
Deicing wiper blade for curved windshields. I. Nesson. 2,601,664, June 24.
Deinking and bleaching of paper. P. J. Massey and F. C. Goodwill. 2,582,496, Jan. 15.
Deinking waste paper. L. J. Scheid. 2,607,678, Aug. 19.
Deinking waste paper containing groundwood. H. T. Ruff and J. F. Stevenson, Jr. 2,620,271, Dec. 2.
Delon tube. R. D. Hancock. 2,617,066, Nov. 4.
Deionized electrode in electric glassworking. E. M. Guyer. 2,590,173, Mar. 25.
Delay-action filter circuit. H. Wolfe. 2,585,890, Feb. 12.
Delay blasting device. A. J. Lowe. 2,618,221, Nov. 18.
Delay electric blasting cap. J. E. Jeffery. 2,600,752, Sept. 9.
Delay electric blasting cap. H. M. Kerr, W. G. Richardson, and H. A. Logan. 2,586,959, Feb. 26.
Delay lens for microwaves. S. B. Cohn. 2,617,936, Nov. 11.
Delay line distributing arrangement. H. M. Veaux. 2,619,636, Nov. 25.
Delay opening parachute pack and knife plunger releasing assembly therefor. L. P. Frieder and W. S. Finken. 2,581,645, Jan. 8.
Delay opening parachute pack and pneumatic releasing assembly therefor. L. P. Frieder and W. S. Finken. 2,606,729, Aug. 12.
Delay opening parachute pack and releasing assembly therefor. W. S. Finken and L. P. Frieder. 2,582,113, Jan. 8.
Delayed-action coagulant and coagulating acid-coagulable latex. J. C. Westfahl. 2,588,947–8, Mar. 11.
Delayed action coagulant and coagulation. J. C. Westfahl. 2,588,949, Mar. 11.
Delayed-action electric switch. R. L. Wells. 2,614,182, Oct. 14.
Delayed-action switch. R. M. Cole. 2,584,673, Feb. 5.
Delayed electric mercury switch. A. J. Weaver. 2,615,100, Oct. 21.
Delayed pulse generator. H. Simon and J. P. Gleason. 2,592,611, Apr. 15.
Delaying coagulation of rubber latex. R. E. Boyd, G. H. McFadden and B. Bennet. 2,594,859, Apr. 29.
Delimiting appliance for closures. J. L. Moore. 2,608,711, Sept. 2.
Delineator for determining the length and end form of connecting pipes. R. C. Rankin. 2,615,255, Oct. 28.
Delivery case. E. R. Erickson. 2,592,797, Apr. 15.
Delivery control for liquid dispensers. P. N. Ross. 2,617,558, Nov. 11.
Delivery hopper. G. O. Hoffstetter. 2,597,326, May 20.
Delivery of liquids. C. Cooper. 2,613,681, Oct. 14.
Delivery of liquids from containers. B. J. Todd and R. E. Turner. 2,606,698, Aug. 12.
Delivery table. S. J. Stone. 2,610,903, Sept. 16.
Delivery tube nozzle and valve, Combined. C. L. Bledsoe. 2,610,780, Sept. 16.
$\Delta^{5,(00)}$-androstendiols and process. S. Bernstein, K. J. Sax and D. Giancola. 2,588,608, Mar. 11.
$\Delta^{(00),16}$ -androstadienes and preparing the same. S. Bernstein and D. J. Giancola. 2,606,914, Aug. 12.
Δ^{4}-17α-methyl-3,20-dioxo-pregnene compounds. P. A. Plattner. 2,601,168, June 17.
$\Delta^{9(00)}$-12-keto steroid acids and products obtained thereby, Manufacture of. E. Schwenk. 2,581,448, Jan. 8.
$\Delta^{9,11}$-12-keto steroids $\Delta^{8,9}$-12-keto steroids, Producing. E. H. Wilson and M. Tishler. 2,617,812, Nov. 11.
$\Delta^{7,9}$-androstadienes and preparing the same. S. Bernstein and D. J. Giancola. 2,593,249, Apr. 15.
Δ^{3}-Pyrrolinyl compounds and derivatives thereof. J. W. Copenhaver. 2,593,853, Apr. 22.
Δ^{3}-1,3-diazacycloalkenes, Preparation of. A. F. McKay and G. A. Grant. 2,586,844, Feb. 26.
Demodulating circuits. R. D. McCoy. 2,597,886, May 27.
Demodulation system. D. L. Hings. 2,621,291, Dec. 9.
Demodulator. J. M. Cluwen. 2,581,917, Apr. 8.
Demodulator, Balanced. E. B. Hales. 2,597,725, May 20.
Demonstrating device. T. G. While and W. E. Ray. 2,601,730, July 1.
Demonstrating device for suction cleaners. H. B. White. 2,613,454, Oct. 14.
Demountable attachment structure. J. G. Kronouer and J. C. A. Recourt. 2,616,136, Nov. 4.
Demountable casting plug. J. S. Stone. 2,608,789, Sept. 2.
Demountable electric audible device. E. J. Nicorvo. 2,600,070, June 10.
Demountable form for pouring concrete. R. J. Rosati and J. D. Somers. 2,610,381, Sept. 16.
Demountable propelling unit for vehicles. R. E. Franks. 2,589,793, Mar. 18.
Demountable structure. C. G. Thorsen. 2,591,891, Apr. 8.
Demountable wheel. E. E. Radford. 2,581,554, Jan. 8.
Demounting arrangement for tractor mounted equipment. R. W. Lowry. 2,595,864, May 6.
Demulsifying. C. M. Blair, Jr. 2,599,538, June 10.
Demulsifying chemicals and breaking emulsions. E. T. Kocher. 2,615,852, Oct. 28.
Densitometer. J. Dolza. 2,615,328, Oct. 28.
Density measuring device. J. S. Woodward. 2,601,777, July 1.
Density responsive indicating and control device. C. E. Wuensch. 2,596,352, May 13.
Dental and surgical percussion tool. F. M. Hufnagel. 2,588,006, Mar. 4.
Dental apparatus. M. Schlesinger. 2,621,407, Dec. 16.
Dental appliance. H. H. Hicks. 2,595,850, May 6.
Dental appliance. F. L. McClain. 2,600,899, June 17.
Dental appliance. F. M. Stadelmann. 2,587,008, Feb. 26.
Dental arch, Preformed. E. H. Zahn. 2,608,760, Sept. 2.
Dental articulator. O. M. Johnson. 2,592,288, Apr. 8.
Dental articulator. I. G. Neer. 2,611,961, Sept. 30.
Dental band retainer. D. Reiter. 2,617,196, Nov. 11.
Dental cabinet. M. D. Ward. 2,608,294, Aug. 26.
Dental clamp. L. M. Taylor. 2,583,903, Jan. 29.
Dental clasp surveyor and parallelometer. W. F. Rodin 2,616,176, Nov. 4.
Dental drill. G. E. Björklund. 2,611,962, Sept. 30.
Dental engine control. H. E. Crawford. 2,611,836, Sept. 23.
Dental engine for compressed air. P. I. Norlén. 2,618,064, Nov. 18.
Dental finishing tool. A. Schierstead. 2,604,693, July 29.
Dental floss. J. Footer. 2,612,177, Sept. 30.
Dental floss holder. W. E. Maas. 2,607,358, Aug. 19.
Dental floss holder. T. B. Talcott. 2,607,357, Aug. 19.
Dental implement. G. Bergendal. 2,618,855, Nov. 25.
Dental impression composition comprising a copolymer of vinyl chloride and vinyl acetate, di-normal propyl phthalate and a filler. F. J. Sowa and M. M. Schwartz. 2,600,134, June 10.
Dental impression compositions. H. G. Meyer. 2,623,808, Dec. 30.
Dental impression device. W. T. Shea. 2,588,169, Mar. 4.
Dental instrument holder. C. G. King. 2,592,292, Apr. 8.
Dental light. J. Pohanka. 2,588,288, Mar. 4.
Dental machine control. J. A. Biggs. 2,591,119, Apr. 1.
Dental matrix band. H. A. Baughan. 2,607,117, Aug. 19.
Dental matrix band, Gingival-aperture. B. F. Tollemire. 2,594,367, Apr. 29.
Dental matrix-retainer. W. T. McAfee. 2,618,065, Nov. 18.
Dental pad. J. W. Biggs. 2,613,441, Oct. 14.
Dental paralleling device. V. W. Mintz. 2,591,183, Apr. 1.

Dental paste. J. B. Lewis and L. Kenner. 2,588,324, Mar. 4.
Dental preparation and making. E. Gordon. 2,599,445, June 3.
Dental prothesis. E. Märki. 2,590,258, Mar. 25.
Dental screw insert. B. F. Sprague. 2,609,604, Sept. 9.
Dental stick. B. J. and F. M. Friedlob. 2,623,003, Dec. 23.
Dental stool extension for feet and motor control support. J. E. Cooper. 2,620,863, Dec. 9.
Dental surveyor and coordinator. V. Stoll. Re. 23,498, May 20.
Dentifrice. J. R. Schlaeger. 2,588,992, Mar. 11.
Dentifrice cabinet. P. J. stenerson. 2,609,122, Sept. 2.
Denture. C. L. Clawson. 2,602,997, July 15.
Denture. M. I. Coleman. 2,611,956, Sept. 30.
Denture and artificial teeth. E. E. Goldsmith. 2,616,174, Nov. 4.
Denture, Artificial. H. A. Goddard. 2,617,192, Nov. 11.
Denture locating mechanism. D. V. Cleman. 2,591,678, Apr. 8.
Denture making appliance. J. M. Craigo. 2,610,402, Sept. 16.
Denture modeling articulator. M. R. Fox. 2,608,762, Sept. 2.
Denture retaining means. J. P. Dillon. 2,609,605, Sept. 9.
Dentures, Preparing. N. G. Kaye. 2,585,788, Feb. 12.
Deodorant package or the like. J. F. Bagley, Jr. 2,621,965, Dec. 16.
Deodorizer. C. H. MacFarland. 2,598,129, May 27.
Deodorizer apparatus and germ destroyer. G. L. Miller. 2,585,339, Feb. 12.
Deodorizer block and holder. J. Lustek. 2,613,990, Oct. 14.
Deodorizer, Water closet. F. A. Huff. 2,591,817, Apr. 8.
Deodorizing glyceride oils. B. H. Thurman. 2,621,196, Dec. 9.
Deoxygenating and isomerizing a Fischer-Tropsch stock. C. W. Montgomery and W. I. Gilbert. 2,589,273, Mar. 18.
Depolarizer for primary cells. A. L. Fox. 2,591,532, Apr. 1.
Deposit-controlled timing system for telephony. E. Ungar. 2,623,950, Dec. 30.
Depositing an impervious metal film on a granular surface. V. C. Campbell. 2,597,617, May 20.
Depositing luminescent powdered material on surfaces by sedimentation. E. E. Welch. 2,621,134, Dec. 9.
Deposition of a metal oxide catalyst on a carrier. L. E. Malina. 2,580,806, Jan. 1.
Deposition of material onto a mosaic screen through a stencil. J. D. McGee and W. E. Turk. 2,600,121, June 10.
Deposition of metal on a nonmetallic support. P. Godley, 2nd. 2,622,041, Dec. 16.
Depositor. R. Shepler. 2,606,509, Aug. 12.
Depositor for confectionery machines. G. S. Perkins. 2,597,175, May 20.
Depository for clothing and the like, Coin-operated. D. J. Rourke, Jr., and F. G. Clark. 2,599,722, June 10.
Depository, Receipt issuing night. J. J. Murtaugh, Jr. 2,604,967, July 29.
Depression of copper minerals from ores and concentrates. C. F. Allen and R. B. Booth. 2,620,068, Dec. 2.
Depth adjustment for motor-driven cutting tools. E. P. Sacrey. 2,613,704, Oct. 14.
Depth control of tractor-carried agricultural implements. C. Berg. 2,621,575, Dec. 16.
Depth control system for torpedoes. W. B. Elmer. 2,604,065, July 22.
Depth control system for torpedos. H. L. Prescott. 2,580,834, Jan. 1.
Depth-controlled impregnation of alumina-base catalyst pellets. J. R. Owen. 2,606,159, Aug. 5.
Depth controlled trolling rudder. H. C. Jensen. 2,622,362, Dec. 23.
Depth controller. G. L. Robinson and J. E. Hindle. 2,616,350, Nov. 4.
Depth-of-groove gauge. J. Longworth. 2,580,445, Jan. 1.
Depth sounding apparatus. E. Wolf. 2,610,244, Sept. 9.
Derby and mute rack holder. W. Berg. 2,591,041, Apr. 1.
Deresinating rubber from plants. F. E. Clark. 2,618,670, Nov. 18.
Derivative control of servo systems. H. Toomim. 2,615,149, Oct. 21.
Derivative of cyclohexene, Preparation of a. J. H. Chapman. 2,584,969, Feb. 12.
Derivative of estradiol and preparing it. L. Velluz and G. Muller. 2,598,652, May 27.
Derivatives of bis-(1-amino-anthraquinone-6-sulfo)-piperazid. W. Jenny and W. Kern. 2,585,555, Feb. 12.
Derivatives of certain oxyalkylated phenol-aldehyde resins useful in coating compositions. M. De Groote and B. Keiser. 2,610,955, Sept. 16.
Derivatives of 4-imidazolone. M. W. Goldberg and H. H. Lehr. 2,602,086, July 1.
Derivatives of hydroxycycloalkylalkylbenzoylaliphatic acids and producing same. R. R. Burtner. 2,580,402, Jan. 1.
Derivatives of para-amino salicylic acid. W. A. Winsten. 2,614,104, Oct. 14.
Derivatives of 2-methyl-2-formyl-7-hydroxyoctahydrophenanthrene-1-acetic acid and the production thereof. M. N. Huffman. 2,615,041, Oct. 21.
Derivatives of 2-thio-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinedione. 2,615,020, Oct. 21.
Dermasector. S. G. Berkow. 2,592,533, Apr. 15.
Derrick. E. L. Alexander. 2,609,180, Sept. 2.
Derrick. W. Wiggins, Jr. 2,587,797, Mar. 4.
Derrick. J. H. Wilson. 2,583,072, Jan. 22.
Derrick, Collapsible. M. E. Pelaez. 2,615,538, Oct. 28.
Derrick construction, Three leg. H. W. Slater. 2,597,958, May 27.
Derrick, Portable. E. A. Bender. 2,593,246, Apr. 15.
Derrick, Portable. J. Moon. 2,583,958, Jan. 29.
Descaling and brushing machine, especially for rough-drawn wire. J. Peignier. 2,620,496, Dec. 9.
Desiccation of labile aqueous materials. E. W. Flosdorf. 2,605,554, Aug. 5.
Desiccator. H. W. McKenzie. 2,581,684, Jan. 8.
Desiccator using an absorbent. H. W. Dietert and J. A. Schuch. 2,591,055, Apr. 1.
Design dyeing apparatus. S. B. Schwartz and R. D. Blum, Jr. 2,587,534, Feb. 26.
Design dyeing apparatus. S. B. Schwarts and R. D. Blum, Jr. 2,609,747, Sept. 9.
Design-reproducing apparatus and stylus unit therefor. E. P. Turner and N. H. Sailer. 2,597,686, May 20.
Design roller. A. Sprung. 2,610,582, Sept. 16.
Desizing agents and desizing baths. E. Schubert. 2,599,867, June 10.
Desk. W. J. Bargen. 2,612,421, Sept. 30.
Desk and stand, Combination. H. C. Phillips and E. M. Runkles. 2,604,369, July 22.
Desk and table, Combined writing. D. Grandliter. 2,590,959, Apr. 1.
Desk lighting unit and work surface. E. L. Canfield. 2,614,204, Oct. 14.
Desk, Multiple table. J. Mugnier. 2,614,017, Oct. 14.
Desk pad. S. Segal. 2,592,828, Apr. 15.
Desk pad holder. R. G. Kensel. 2,589,396, Mar. 18.
Desk, Self-elevated. E. A. Berman. 2,596,094, May 13.
Desolventizing materials by distillation. G. N. Harcourt. 2,614,073, Oct. 14.
Desolventizing of solvent-extracted solid particles. E. H. Lealie. 2,618,560, Nov. 18.
Dessert mix and making the same. H. W. Diamond. 2,619,422, Nov. 25.
Destroying patterns. J. N. Hiensch. 2,583,533, Jan. 29.
Destroying pests comprising the application of the dibutyl acetal of aminoacetaldehyde to the pest. E. M. Owen. 2,585,493, Feb. 12.
Destroying undesired plants. D. T. Mowry and A. H. Schlesinger. 2,617,722, Nov. 11.
Destruction of crab grass. L. Q. Boyd and A. A. Endres. 2,608,479, Aug. 26.
Destructive hydrogenation. J. B. McKinley and W. C. Starnes. 2,602,773, July 8.
Desulfurization of a hydrocarbon oil. J. McAfee. 2,623,006, Dec. 23.
Desulfurization of distillate fuels. H. Shallt. 2,623,004, Dec. 23.
Desulfurization of hydrocarbon gases. K. M. Brown and C. G. Gerhold. 2,598,034, May 27.
Desulfurization of hydrocarbon mixtures with nickel carbonyl. R. B. Bishop and W. I. Denton. 2,615,831, Oct. 28.
Desulfurization of iron and iron alloys. B. M. S. Kalling. P. Å. C. Danielsson, and O. J. L. Dragge. 2,622,977, Dec. 23.
Desulfurization of olefinic naphtha. J. F. Deters, A. P. Lien and H. Shallt. 2,608,519, Aug. 26.
Desulfurization of phenols. V. A. Kalichevsky and H. L. Sandlin. 2,617,833, Nov. 11.
Desulfurizing agent and its preparation. E. B. Backensto. 2,589,187, Mar. 11.
Desulfurizing hydrocarbons using a mixture of boron trifluoride and an alkane sulfonic acid as reagent. C. E. Johnson and A. P. Lien. 2,602,770, July 8.
Desulfurizing hydrocarbons with a mixture of ferric and chromic oxides. A. C. Abeel, Jr., and H. J. Hibshman. 2,581,061, Jan. 1.
Desulfurizing iron and steel with metal hydrides. O. Smalley. 2,604,393, July 22.
Desulfurizing petroleum products in the liquid phase. F. J. Hendel. 2,618,586, Nov. 18.
Desulfurizing process. D. J. Wynne. 2,587,573, Feb. 26.
Detachable antislipping attachment for shoes. T. B. Scott. 2,608,008, Aug. 26.
Detachable bit. I. J. Berscheid. 2,582,944, Jan. 22.
Detachable blade bit. H. J. Hawthorne. 2,615,684, Oct. 28.
Detachable body grounding device. F. A. Van Atta and W. G. Legge. 2,586,747, Feb. 19.
Detachable camera handle. C. J. Cadwell and F. M. Adamson. 2,617,142, Nov. 11.
Detachable carrying device. C. K. Wooden. 2,580,985, Jan. 1.
Detachable drawer stop. J. F. Hufnagel. 2,610,353, Sept. 16.
Detachable drilling bit. T. M. Waterland. 2,588,782, Mar. 11.
Detachable handle. R. C. Howell. 2,610,354, Sept. 16.

Detachable holder for scouring elements. V. C. Bailey. 2,620,501, Dec. 9.
Detachable-label bag. J. G. Barnes. 2,614,349, Oct. 21.
Detachable latched electrical plug and socket connection. L. Triplett. 2,590,354, Mar. 25.
Detachable leakproof truck canvas connector. P. F. Tuerk. 2,581,985, Jan. 8.
Detachably fastening furniture elements. E. A. Powellek. 2,605,820, Aug. 5.
Detachably retaining machine elements and mechanisms. A. C. Nielsen. 2,585,577, Feb. 12.
Detackifying and cure activation compositions. E. A. Van Valkenburgh. 2,600,943, June 17.
Detecting device. G. Muffly. 2,608,602, Aug. 26.
Detecting device for magnetizable members. R. C. Hoff. 2,615,081, Oct. 21.
Detecting faults in the welds while being made. A. K. McElroy and L. C. McNutt. 2,587,050, Feb. 26.
Detecting fluid movement in well bores, Method and apparatus for. G. H. Rohrback, R. A. Stoner, M. Macaulay, and W. T. Cardwell, Jr. 2,596,437, May 13.
Detecting gamma rays. A. J. F. Siegert. 2,601,334, June 24.
Detecting ionizing radiations. R. Hofstadter. 2,585,551, Feb. 12.
Detection and quantitative determination of halogenated hydrocarbons in atmosphere. G. S. Haines and F. D. Heindel. 2,593,878, Apr. 22.
Detection of electrically charged particles. A. M. Skellett. 2,581,305, Jan. 1.
Detection of oil in mud-laden well drilling fluids. R. E. Souther, Jr. 2,591,737, Apr. 8.
Detection of voltage or current variations in electric circuits. S. A. Stevens and H. Duckitt. 2,603,689, July 15.
Detector apparatus for detecting the rate of change of inclination of an object. R. Dorand. 2,605,093, July 29.
Detector for locating gallstones and other hard foreign matter embedded adjacent body tissue. C. K. Kirby, E. G. Thurston, and E. A. Walker. 2,616,415, Nov. 4.
Detector for warp stop motion. W. A. Blanchard. 2,609,011, Sept. 2.
Detergent composition. C. B. Durgin. 2,594,257–8, Apr. 22.
Detergent composition. E. W. Gluesenkamp. 2,594,421, Apr. 29.
Detergent composition. J. E. Hanson. 2,589,190, Mar. 11.
Detergent composition. J. E. Hanson. 2,590,613, Mar. 25.
Detergent composition. L. McDonald. 2,587,637, Mar. 4.
Detergent composition. L. McDonald. 2,588,264, Mar. 4.
Detergent composition. J. J. Morrisroe. 2,610,950, Sept. 16.
Detergent composition. M. Rosenfeld and C. F. Pickett. 2,616,856, Nov. 4.
Detergent composition. H. L. Sanders and W. J. Maxcy. 2,601,329, June 24.
Detergent composition. C. E. Wheelock. 2,616,855, Nov. 4.
Detergent composition. W. H. Woodstock. 2,586,897, Feb. 26.
Detergent composition, Abrasive. C. J. Munter. 2,581,278, Jan. 1.
Detergent composition and preparing same. H. H. Young and K. H. Spitzmueller. 2,586,496, Feb. 19.
Detergent composition and use, Sterilizing. J. C. L. Resuggan. 2,599,127, June 3.
Detergent composition containing diimidazoles. F. Ackermann and J. Meyer. 2,604,454, July 22.
Detergent composition, Liquid. H. L. Sanders. 2,618,607, Nov. 18.
Detergent compositions. J. C. Harris and M. Kosmin. 2,594,431, Apr. 29.
Detergent compositions. M. Kosmin and J. C. Harris. 2,594,453, Apr. 29.
Detergent compositions containing aminocoumarins. F. Ackermann. 2,610,152, Sept. 9.
Detergent compositions containing metal discoloration inhibitors. J. R. Schaeffer. 2,618,603, Nov. 18.
Detergent compositions containing metal discoloration inhibitors. J. R. Schaeffer. 2,618,605–06, Nov. 18.
Detergent compositions containing metal discoloration inhibitors. J. R. Schaeffer. 2,618,608, Nov. 18.
Detergent dissolving apparatus. P. Arant. 2,604,386, July 22.
Detergent forming monocarboxy acid esters of certain oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,376, Jan. 8.
Detergent, Iodine. A. Taub. 2,590,140, June 3.
Detergent mixtures containing beta amino propionates. A. F. Isbell. 2,619,467, Nov. 25.
Detergent oil composition and its preparation. E. W. Brennan and N. D. Williams. 2,582,958, Jan. 22.
Detergents and making same, Plastic. R. C. Wood. 2,580,713, Jan. 1.
Detergents and wetting agents from olefins, Manufacture of. P. J. Garner and H. N. Short. 2,587,990, Mar. 4.
Determination and correction of vibrations in gas compressor lines. I. C. Bechtold, F. M. Stephens, and C. Newman. 2,604,781, July 29.
Determination of moisture in gases. C. B. Hayworth. 2,594,163, Apr. 22.
Determination of stresses in longitudinally traveling bodies. J. H. Hitchcock and W. H. Chapman. 2,618,970, Nov. 25.
Determination of the color of egg yolk products. E. Selz. 2,601,173, June 17.
Determining a parameter of earth formations penetrated by a borehole. M. R. J. Wyllie and G. A. Hogg. 2,583,284, Jan. 22.
Determining breath alcohol contents. G. C. Forrester. 2,591,691, Apr. 8.
Determining consolidation of fluid concrete masses, Method of and apparatus for. G. L. Glegg. 2,606,748, Aug. 12.
Determining formation factor of irregular rock samples. H. W. Patnode. 2,583,276, Jan. 22.
Determining proportions in compositions of substances. G. Herzog. 2,613,325–6, Oct. 7.
Determining soil pressures produced on the soil working surfaces of ground engaging tools. R. C. Frevik. 2,601,776, July 1.
Determining subsurface geological structure by seismic surveying employing refraction shooting. A. J. Bartheimes. 2,596,463, May 13.
Determining the direction of arrival of waves. R. G. Piety. 2,614,166, Oct. 14.
Determining the freeness of wood pulp, Method and apparatus for. W. G. Reynolds. 2,596,724, May 13.
Determining the polarization of a light beam. H. Mueller. 2,583,186, Jan. 22.
Determining the resistance of insulated joints. R. M. Gilson and P. N. Martin. 2,614,151, Oct. 14.
Determining the time of run of power-driven models. H. J. Taplin. 2,583,717, Jan. 29.
Determining water content of concrete in the fluid state, Method and apparatus for. G. L. Glegg. 2,581,950, Jan. 8.
Detonating assembly. G. B. Horn and H. A. Lewis. 2,580,541, Feb. 19.
Detonating explosion type rivets. S. T. Special. 2,615,591, Oct. 28.
Detonating explosive charge and impressing surfaces employing same. J. H. Cook. 2,604,042, July 22.
Detonation meter. R. G. Piety. 2,619,830, Dec. 2.
Developer for electrostatic images. L. E. Walkup. 2,618,551, Nov. 18.
Developing reel. A. Del Pozo, Jr., and M. W. Mettenleiter. 2,614,765, Oct. 21.
Developing sensitive photographic materials. E. B. Knott. 2,618,557, Nov. 18.
Development of electrophotographic images. E. N. Wise. 2,618,552, Nov. 18.
Device and process for producing champagne, sparkling wines, and other fermented beverages. A. and J. A. R. Bruyere. 2,610,123, Sept. 9.
Device and process for twisting and spinning. E. C. Gwaltney. Re. 23,525, July 22.
Device comprising an alternating current generator having permanent field magnets. M. F. Reijnst and R. H. de Boer. 2,609,528, Sept. 2.
Device comprising an amplifier, a photoelectric cell, and a lead connecting them. P. F. van Eldik and H. N. Hansen. 2,586,582, Feb. 19.
Device for actuating electrical switches. E. Gretener. 2,621,266, Dec. 9.
Device for actuating riders of tabulators for typewriters. E. Ascoli. 2,581,227, Jan. 1.
Device for adjustably supplying air to auditoriums and the like. V. E. A. Runefelt. 2,623,448, Dec. 30.
Device for adjusting the return travel of fluid actuated means. M. O. and B. M. Dubois. 2,591,793, Apr. 8.
Device for administering drenches to livestock. A. F. Mitchell. 2,609,819, Sept. 9.
Device for aerating water. D. W. Shirley. 2,590,581, Mar. 25.
Device for anchoring ribbons to hubs. A. Chappuis. 2,619,299, Nov. 25.
Device for and method of installing an oil seal. V. T. Simmons. 2,621,398, Dec. 16.
Device for applying liquid fertilizer. P. C. Anderson. 2,587,085, Feb. 26.
Device for applying pellets to an upright adhesive surface. R. W. Wilson. 2,612,374, Sept. 30.
Device for applying rouge to the lips. R. E. Kruck. 2,604,105, July 22.
Device for applying tire chains. D. McKenna. 2,619,857, Dec. 2.
Device for artificially inseminating animals. D. W. Edwards. 2,587,984, Mar. 4.
Device for assembling batches of cigarettes for packing. W. J. Kemp. 2,621,840, Dec. 16.
Device for assembling structural elements. A. G. Hanesse. 2,611,160, Sept. 23.
Device for attaching auxiliary wheels to tractors. L. B. Carter. 2,609,247, Sept. 2.
Device for automatic frequency-correction. E. H. Hugenholtz. 2,589,387, Mar. 18.
Device for automatic power transmission. L. Saives. 2,600,269, June 10.
Device for automatically removing window cutouts from blanks. A. Pelikan. 2,615,376, Oct. 28.
Device for automatically stopping warp knitting and similar machines for making mesh goods in case of rupture of threads. E. Seibert. 2,608,846, Sept. 2.

Device for automatically stripping cut-out box blanks from offal or waste. H. A. Ringel. 2,594,804, Apr. 29.
Device for automatically tracking heavenly bodies. J. E. Sees. 2,595,205, Apr. 29.
Device for barking of logs or the like. N. Alfsen. 2,581,617, Jan. 8.
Device for bending fracture nails and the like for impacting fractures and extracting such nails. E. J. Haboush. 2,590,532, Mar. 25.
Device for brewing or infusing tea or other beverages. A. Small. 2,615,385, Oct. 28.
Device for calibrating frequency modulated radar equipment. E. O. Keizer. 2,622,241, Dec. 16.
Device for carbonating and dispensing beverages. P. Kolisman. 2,593,770, Apr. 22.
Device for carrying milk bottles. M. Sadeck. 2,611,639, Sept. 23.
Device for changing bobbins in spinning machines. C.-O. Christiansson. 2,612,744, Oct. 7.
Device for changing the loading of aircraft wings. J. Makhonine. 2,585,480, Feb. 12.
Device for changing the transverse arrangement of crosswise contiguous portions of ribbonlike materials. E. H. Jackson, Jr. 2,595,855, May 6.
Device for charging a capacity. T. W. Willemse. 2,586,589, Feb. 19.
Device for checking alignment of vehicle wheels. R. M. Greenleaf. 2,582,427, Jan. 15.
Device for circulating cooling water in internal-combustion engines. O. Montabone. 2,597,512, May 20.
Device for clamping plumbers' snakes. J. S. Hermanson. 2,603,495, July 15.
Device for cleaning cutting blades. M. Irwin and G. W. Feiker. 2,606,578, Aug. 12.
Device for clinching nails. O. I. A. Kägefors. 2,582,782, Jan. 15.
Device for closing and sealing of valves in valve bags. J. Johnsson. 2,620,121, Dec. 2.
Device for cold shaping hollow articles. P. Cuq. 2,592,867, Apr. 15.
Device for collecting liquids. R. Velut. 2,586,399, Feb. 19.
Device for colonic irrigation or bowel flushing. E. C. Condit. 2,617,416, Nov. 11.
Device for color coding insulated conductors. H. D. Isenberg. 2,610,607, Sept. 16.
Device for color projection of invisible rays. E. E. Sheldon. 2,593,925, Apr. 22.
Device for confining the thread balloon of paying-off bobbins. L. te Strake. 2,620,998, Dec. 9.
Device for connecting and disconnecting chain links. M. W. Palsgrove. 2,616,241, Nov. 4.
Device for containing and illuminating transparencies. B. Lombard. 2,623,314, Dec. 30.
Device for contour dressing grinding wheels. J. C. Garand. 2,584,121, Feb. 5.
Device for controlling consumer circuits by means of at least one measuring instrument carrying small currents. T. Buser. 2,587,441, Feb. 26.
Device for controlling fluid flow. P. R. Marvin. 2,588,137, Mar. 4.
Device for controlling movement of pipes or the like along a roller conveyer. L. W. Long. 2,597,941, May 27.
Device for controlling operating, and cleaning various fluid operated systems. B. E. Weeks and W. G. Hoenninger. 2,620,106, Dec. 2.
Device for controlling the filling of containers. R. E. Fowler. 2,594,146, Apr. 22.
Device for controlling the speed of a Leonard group. C. W. Berthiez. 2,620,462, Dec. 2.
Device for controlling the speed of motor vehicles. E. Kaeppler. 2,585,785, Feb. 12.
Device for converting a direct current having a constant voltage into a direct current having a variable voltage. G. Turrinelli. 2,624,037, Dec. 30.
Device for converting electrical energy into mechanical oscillation energy. G. H. Jonker. 2,616,223, Nov. 4.
Device for counting and dispensing pills. S. J. Levine. 2,618,420, Nov. 18.
Device for cutting a slab from a block of soft material such as butter or cheese. M. J. Weinberg. 2,589,911, Mar. 18.
Device for cutting designs in frankfurters. J. Obanian. 2,615,196, Oct. 28.
Device for cutting sheet material. J. R. Morris. 2,595,402, May 6.
Device for cutting staple fiber. F. H. Bailiff and D. B. Wicker. 2,581,467, Jan. 8.
Device for cutting the ends of ears of corn. O. C. Hines. 2,619,140, Nov. 25.
Device for cutting worms for fish food. E. S. Walker. 2,585,881, Feb. 12.
Device for darning purposes. D. P. Christensen. 2,586,302, Feb. 19.
Device for detecting electric potentials. L. A. B. Cabes. 2,588,357, Mar. 11.
Device for detecting variations in fluid pressure. T. M. Gordon, Jr. 2,583,941, Jan. 29.
Device for determining capillary fragility. G. M. Larson and H. B. Lewis. 2,591,443, Apr. 1.
Device for determining the axis of rotation of rotatable elements. R. S. Griffin. 2,580,674, Jan. 1.
Device for determining turbidity within a body of liquid. P. M. Albert. 2,580,500, Jan. 1.
Device for discharging nonflowing materials. R. E. Clark and W. V. Turner. 2,622,769, Dec. 23.
Device for disengaging fishhooks or the like. E. P. Cox. 2,607,149, Aug. 19.
Device for disinfecting telephone mouthpieces. A. Finlayson and W. R. Smith. 2,595,517, May 6.
Device for dispensing and orienting ammunition for firearms. R. L. Gamble. 2,623,803, Dec. 30.
Device for dispensing books, packages, and the like. W. S. Tandler, D. S. Walker, and F. A. de Weiss. 2,590,736, Mar. 25.
Device for dispensing granular materials in predetermined bulk quantities, having a measuring compartment and a valve. C. E. Truitt. 2,613,018, Oct. 7.
Device for dispensing granular soap. M. C. Persons. 2,609,967, Sept. 9.
Device for dispensing material from collapsible tubes. C. Beijbom. 2,599,805, June 10.
Device for dispensing tablets and the like. D. O. Wendt. 2,601,852, July 1.
Device for displaying color component and for changing the color at will. B. Lamberger. 2,606,373, Aug. 12.
Device for drawing off artificial fibers from the spinneret, especially fibers spun from the molten mass. J. Zmatlik, M. Starý, B. Piller and J. Pinkava. 2,595,044, Apr. 29.
Device for driving a film in a multifilm cinematographic projector. J. Thévenaz. 2,601,181, June 17.
Device for dropwise dispensing of liquids. G. Szekely. 2,609,972, Sept. 9.
Device for duplicating magnetic recordings by re-recording processes. S. J. Begun. 2,604,549, July 22.
Device for electrically splicing wires. A. Levitt. 2,602,831, July 8.
Device for elevating bed covering. C. Good. 2,602,171, July 8.
Device for embracingly holding gloves. V. M. and C. S. Kindlund. Re. 23,472, Mar. 18.
Device for evacuating and filling vessels by means of pressure. E. W. Johnson. 2,596,560, May 13.
Device for evaluating horses. A. E. Strudwick. 2,594,696, Apr. 29.
Device for expanding lens openings. E. G. Goedhart. 2,618,184, Nov. 18.
Device for expanding piston packing. P. P. Lord. 2,600,061, June 10.
Device for expressing mercury from dental amalgam. H. H. Lyon. 2,618,854, Nov. 25.
Device for extracting pipes from wells. G. W. Miller. 2,584,902, Feb. 5.
Device for facilitating the balancing and testing the balance of grinding wheels. J. F. Driver. 2,595,777, May 6.
Device for facilitating the starting of engines. R. H. Sager. 2,585,850, Feb. 12.
Device for feeding closure caps to containers. E. H. Lyon. 2,583,700, Jan. 29.
Device for filling receptacles with cylindrical articles. G. Bardet. 2,592,042, Apr. 15.
Device for filing the slots of laminated cores. J. Hauk. 2,622,309, Dec. 23.
Device for fixing the outer end of a hairspring to the cock of timepieces. F. Marti. 2,589,717, Mar. 18.
Device for forming and applying bobby pins to flat curls. W. F. Feyrer. 2,589,487, Mar. 18.
Device for forming and applying bobby pins to flat curls. N. L. Solomon and W. F. Feyrer. 2,603,224, July 15.
Device for forming articles from plastic sheet or web materials. A. Appleton and R. A. Collinge. 2,595,560, May 6.
Device for forming bowed face plastic panels. J. A. Howenstine. 2,599,554, June 10.
Device for forming grinding wheels. F. G. Krafft. 2,586,235, Feb. 19.
Device for forming knots in neckties. W. H. Sorenson. 2,614,259, Oct. 21.
Device for forming sound records. O. Wittel. 2,585,291, Feb. 12.
Device for four-color stereoscopic cinematography based on additional synthesis. L. Cristiani. 2,596,129, May 13.
Device for framing ladies' handbags. S. Kolsky. 2,620,846, Dec. 9.
Device for gathering glass by suction from glass furnaces. R. E. Comte. 2,602,271, July 8.
Device for gauging and sorting articles. T. A. Jagen. 2,601,921, July 1.
Device for gauging recess diameters. H. A. Hamerly and S. H. Wright. 2,600,498, June 17.
Device for gauging surface characteristics. E. L. Byrkett. 2,618,964, Nov. 25.
Device for gauging the water level in the bottom of hydrocarbon tanks and the like. L. Massiot. 2,617,302, Nov. 11.
Device for generating arcs or the like. E. H. Wang. 2,600,591, June 17.
Device for generating Faradic currents. C. L. Strong. 2,623,525, Dec. 30.
Device for generation of high pressure. J. Moravec. 2,585,818, Feb. 12.

Device for guiding thin bands. J. A. Haringx. 2,616,690, Nov. 4.
Device for handling butter and like materials. A. H. Rishoi, C. F. Weinreich and L. Burrell. 2,608,759, Sept. 2.
Device for handling grain. S. W. Lucas. 2,622,722, Dec. 23.
Device for handling materials. J. M. Garoutte. 2,602,707, July 8.
Device for handling mowers. J. Grenda. 2,594,426, Apr. 29.
Device for handling pipes. M. E. True. 2,615,681, Oct. 28.
Device for hanging or gripping garments. G. Salaman. 2,623,667, Dec. 30.
Device for hanging washed clothes. E. H. Roberts. 2,607,498, Aug. 19.
Device for holding a package or the like when tying cord around it. A. F. Emrich. 2,595,235, May 6.
Device for holding ice-cream cans in position. D. W. Auch. 2,601,935, July 1.
Device for holding mass spectrometer on a preset mass peak. C. F. Robinson. 2,613,322, Oct. 7.
Device for holding outboard motors to boats. R. H. Mabee. 2,592,925, Apr. 15.
Device for holding screen and storm windows. D. O. Seaman. 2,604,675, July 29.
Device for holding strips of material to be stitched. L. G. Reilly. 2,581,703, Jan. 8.
Device for hypodermic injection. P. Kollsman. 2,602,447, July 8.
Device for hypodermic injections. P. Kollsman. 2,622,595, Dec. 23.
Device for igniting mercury arc mutators. H. Keller. 2,617,082, Nov. 4.
Device for imparting a tumbler motion to vertical structural parts. J. Wieland. 2,609,196, Sept. 2.
Device for imparting controlled displacements to machine-tool members. A. M. Le Lan. 2,601,157, June 17.
Device for imparting predetermined cyclic displacements to a machine-tool member and the like. A. M. Le Lan. 2,592,812, Apr. 15.
Device for increasing the effectiveness of the transducing field of a magnetic head. M. Camras. 2,615,097, Oct. 21.
Device for indicating contents of freight cars. W. H. Joyner. 2,592,289, Apr. 8.
Device for indicating inclination of boreholes. W. J. Bielstein. 2,608,002, Aug. 26.
Device for indicating the size bearing for shafts of unknown diameter. J. E. Frauenholts. 2,607,997, Aug. 26.
Device for indicating the true shape of workpieces. J. W. Carder. 2,583,253, Jan. 22.
Device for inserting and projecting cleaning projectiles in air lines for converters. L. C. and C. E. Jones. 2,623,226, Dec. 30.
Device for inserting bolts in concrete. R. F. Sopris. Re. 23,569, Oct. 28.
Device for introducing atomized liquid into gas under pressure. H. J. Goodyer. 2,613,067, Oct. 7.
Device for introducing solid materials into molten metals. E. W. Pierce. 2,585,404, Feb. 12.
Device for loading and unloading industrial trucks. P. Jessen. 2,619,241, Nov. 25.
Device for loading articles into containers. G. F. Salerno and J. R. Brandt. 2,599,487, June 3.
Device for locating multiple bores for gang drilling. H. C. Carter. 2,619,730, Dec. 2.
Device for locating picture plates in succession so as to be substantially normal to the light path of lighting apparatus. P. M. van Alphen. 2,593,076, Apr. 15.
Device for making elastic bodies. L. Rhuland. 2,605,505, Aug. 5.
Device for making flat curls. A. E. Farrell. 2,590,166, Mar. 25.
Device for making hamburger patty cakes. R. Manton. 2,605,498, Aug. 5.
Device for making multiple exposures of images. C. L. Mourfield. 2,605,675, Aug. 5.
Device for making packing rings. E. C. Hawkins. 2,580,772, Jan. 1.
Device for making the yarn loops of crocheted rugs. M. G. Brooks. 2,603,957, July 22.
Device for making tubes from sheet material. F. C. Worth. 2,610,556, Sept. 16.
Device for manufacturing Fresnel surfaces. G. J. Siezen. 2,616,178, Nov. 4.
Device for marking and ejecting elongated articles. D. I. Dilworth. 2,598,114, May 27.
Device for massaging by means of air suction. L. S. Holbrook. 2,616,417, Nov. 4.
Device for measuring and counting time intervals. J. W. Linsley, Jr. 2,599,766, June 10.
Device for measuring front-wheel play. O. J. Bullinger. 2,589,770, Mar. 18.
Device for measuring lengths. L. E. H. Gustavsson. 2,612,699, Oct. 7.
Device for measuring small longitudinal changes. N. B. and S. G. Hast. 2,605,635, Aug. 5.
Device for measuring the change of strain in a solid medium. L. Obert and W. I. Duvall. 2,599,578, June 10.
Device for measuring the resonance magnification of resonant systems. G. N. Comte. 2,600,973, June 17.
Device for measuring the thickness of steel plates and the like. J. D. Watson and S. S. Carlisle. 2,609,420, Sept. 2.
Device for milling keyway slots. L. W. McClelland. 2,593,777, Apr. 22.
Device for minimizing the effects of torsion when reproducing a magnetic record wire. B. E. Lenehan. 2,590,627, Mar. 25.
Device for mixing bulks. J. Bakker. 2,583,135, Jan. 22.
Device for mixing fluids. W. A. Burch. 2,612,403, Sept. 30.
Device for mixing fluids. J. H. Jeffree. 2,600,877, June 17.
Device for mixing, stirring, emulsifying, etc. H. Müller. 2,615,692, Oct. 28.
Device for molding hollow display forms. B. P. Cooper. 2,606,343, Aug. 12.
Device for molding shapes from plastic material. W. Neutelings. 2,614,511, Oct. 21.
Device for mounting and interchanging accessories on a fishing spoon. J. G. Lucas. 2,590,633, Mar. 25.
Device for mounting and stretching pelts. J. W. Frazier. 2,594,902, Apr. 29.
Device for mounting concentric bodies. R. Twells and P. E. Buckles. 2,616,481, Nov. 4.
Device for mounting engraved cylinders in machines for printing cloth and the like. C. Luttenauer. 2,581,593, Jan. 8.
Device for nullifying combination locks. N. Krasfiansky, M. Sulik, P. Eliscovich, and J. Levy. 2,591,165, Apr. 1.
Device for obtaining from a pulse another pulse of accurately predetermined duration. G. G. Emanuelsson. 2,623,998, Dec. 30.
Device for obtaining samples from well bores. N. A. Nelson. 2,612,346, Sept. 30.
Device for opening and emptying cartons. S. G. Seidel and R. P. Lownes. 2,597,387, May 20.
Device for opening bobby pins. W. F. Cogswell. 2,601,590, June 24.
Device for opening paper cartons. J. D. Eades. 2,609,715, Sept. 9.
Device for operating control surfaces, especially for aircraft. G. Lehmann. 2,612,330, Sept. 30.
Device for operating fastenings for doors of vehicles. L. P. Lord. 2,581,265, Jan. 1.
Device for operating pipettes. M. H. Caulfield. 2,599,370, June 3.
Device for operation of farm gates. M. E. Gifford. 2,613,972, Oct. 14.
Device for ornamentally shaping cloth. C. G. Borchard. 2,586,778, Feb. 26.
Device for outdoor heating. H. R. Holman and B. C. Barnes. 2,598,544, May 27.
Device for packaging and dispensing ribbons, tapes, bindings, and the like. G. H. Andrews. 2,617,609, Nov. 11.
Device for parallelizing fibers in sliver or roving during drafting. B. B. Cravens. 2,611,155, Sept. 23.
Device for perforating elastic sheet material. H. Ewing. 2,612,950, Oct. 7.
Device for photographically printing on textile fibers. T. Haefell. 2,615,381, Oct. 28.
Device for picking fruit and the like. F. Gross. 2,616,742, Nov. 4.
Device for plucking feathers from birds. F. Fisher. 2,618,811, Nov. 25.
Device for preshaping grinding disks. E. A. Angerby, S. G. Axsäter, and S. G. Blom. 2,612,152, Sept. 30.
Device for preventing humidity in enclosures containing insulating parts. A. Latour. 2,584,889, Feb. 5.
Device for preventing injury to pipe coatings. G. N. Scott. 2,605,786, Aug. 5.
Device for producing an oscillatory circuit tuned to an ultrahigh frequency. M. J. O. Strutt, A. van der Ziel and K. S. Knol. 2,591,316, Apr. 1.
Device for producing chemical reactions in a flowing gas by electrical means. G. Guanella and O. A. Lardelli. 2,582,903, Jan. 15.
Device for producing electric pulses, particularly for medical purposes. F. Schuhfried. 2,590,216, Mar. 25.
Device for producing motion. G. C. Eldridge, Jr. 2,596,226, May 13.
Device for producing noncircular profiles. R. Musyl. 2,606,403, Aug. 12.
Device for producing stapilized yarns. A. B. Storey. 2,596,306, May 13.
Device for producing timed electrical impulses. G. Dorothea. 2,614,187, Oct. 14.
Device for projection of microwave images. E. E. Sheldon. 2,586,391, Feb. 19.
Device for protecting and preserving the tires of wheeled vehicles. W. C. Carlton. 2,585,914, Feb. 19.
Device for protecting door ends. J. H. Malarkey. 2,586,240, Feb. 19.
Device for protecting polyphase circuits. C. E. Randall. 2,581,882, Jan. 8.
Device for prying pressed covers off cans. E. T. Oliver. 2,603,991, July 22.
Device for radiating circularly polarized waves. A. Alford. 2,611,087, Sept. 16.
Device for receiving and extinguishing lighted cigarettes. B. S. Hawxhurst. 2,613,677, Oct. 14.

Device for reducing noise in magnetic recording systems. D. G. C. Hare. 2,585,932, Feb. 19.
Device for regulating the focal length of magnetostatic pole shoe lenses. O. Wolff. 2,624,022, Dec. 30.
Device for removing extraneous matter from well shafts. O. Jacobson. 2,621,067, Dec. 9.
Device for removing individual sheets from a stack. O. B. Meyers. 2,600,068, June 10.
Device for removing misaligned or misshapen dough sheets from conveyers. R. P. Steadman. 2,609,763, Sept. 9.
Device for removing mud and dirt from shoes. L. L. Siegel. 2,615,188, Oct. 28.
Device for removing particles from the eye. J. B. Biederman. 2,617,409, Nov. 11.
Device for removing printed sheets from swinging platen printing presses. E. Hunziker. 2,619,902, Dec. 2.
Device for removing restorations from teeth. H. F. Lynch and J. F. Smith. 2,594,451, Apr. 1.
Device for removing seals from water wells and other purposes. J. B. Murphy. 2,598,930, June 3.
Device for removing wrappers from packaged goods, such as chewing gum, confections, or the like. C. G. Boyer. 2,600,837, June 17.
Device for repairing pinion bearings. T. C. Gerner. 2,583,261, Jan. 22.
Device for repairing runs in fabrics. M. H. P. Sologaistoa. 2,586,733, Feb. 19.
Device for restoring trueness of rotary shafts. M. Bonnet. 2,602,308, July 8.
Device for rolling-over the edges of flat-flanged dished can bottoms or lids. W. Moser. 2,611,412, Sept. 23.
Device for running in wires, etc., into tubular structures, in particular in concealed electrical installations. J. Wolff. 2,602,845, July 8.
Device for safety checking the alignment of patterns. R. C. Steinach. 2,591,314, Apr. 1.
Device for securing grip bands to skis. H. L. M. J. de Place. 2,622,889, Dec. 23.
Device for separating cartons of eggs. E. W. Fahey. 2,601,922, July 1.
Device for separating oil from water. J. S. Adams and P. E. Wilson. 2,598,746, June 3.
Device for separating sheetlike materials. E. Johansson and U. Alfredsson. 2,616,574, Nov. 4.
Device for separating water from crude oil. J. L. Yancey. 2,613,812, Oct. 14.
Device for setting and controlling backfires. A. B. Everts. 2,607,336, Aug. 19.
Device for setting golf balls and tees. V. C. Armstrong. 2,609,198, Sept. 2.
Device for setting keys on valve stems. J. R. Wolfe and C. E. Kelley. 2,586,756, Feb. 19.
Device for setting up collapsible cellular cartons. E. H. Mobley. 2,586,551, Feb. 19.
Device for severance of rigid materials. T. F. Gundlach. 2,582,694, Jan. 15.
Device for shredding and disintegrating vegetable stalks. L. Haapala. 2,621,460, Dec. 16.
Device for shutting off gases from pipe lines. J. T. Cronkhite. 2,582,105, Jan. 8.
Device for signaling proper position of automobile jacks. J. R. Andrews. 2,623,491, Dec. 30.
Device for simulating golf putting holes. I. Zion. 2,606,028, Aug. 5.
Device for slicing dough. J. O. Cierley. 2,592,657, Apr. 15.
Device for sorting cards. D. H. Young. 2,605,768, Aug. 5.
Device for sorting comestibles. D. J. Ward. 2,623,635, Dec. 30.
Device for splicing strands of thermoplastic material. G. B. Keller and L. D. Holmes. 2,617,914, Nov. 11.
Device for splitting clams. W. Mostowicz. 2,609,565, Sept. 9.
Device for spreading agricultural chemicals. C. F. Walsh. 2,610,076, Sept. 9.
Device for stabilizing and homogenizing liquid mixtures. S. H. B. Zachariassén. 2,595,376, May 6.
Device for stabilizing oscillations. L. Dorbec. 2,587,294, Feb. 26.
Device for sterilizing hollow thermoplastic articles by heat. P. Kollsman. 2,614,027, Oct. 14.
Device for straightening and curling hair. F. Bourland. 2,612,897, Oct 7.
Device for stretching and for forming the rims of spectacles. A. Horvath. 2,623,423, Dec. 30.
Device for stretching wire. F. M. Wagnon. 2,623,730, Dec. 30.
Device for superfinishing machined surfaces. C. A. L. Théry. 2,606,410, Aug. 12.
Device for supporting deodorizers. N. L. Howard and O. L. Engstrom. 2,620,228, Dec. 2.
Device for supporting grain elevator spouts. O. C. and D. O. Nicholaus. 2,586,077, Feb. 19.
Device for supporting pipe fittings for welding. L. W. Marshall. 2,601,407, June 24.
Device for supporting transparent stereoscopic slides. H. S. Alexander. 2,584,245, Feb. 5.
Device for switching contact circuits for signaling purposes. Z. van Gelder. 2,617,072, Nov. 4.
Device for synchronizing the frequency of an oscillator to a control oscillation. C. E. G. Bailey. 2,582,668, Jan. 15.
Device for synchronizing two oscillations. E. H. Hugenholtz. 2,605,425, July 29.
Device for teaching time and rhythm. P. D. Moore and J. F. Williams. 2,619,868, Dec. 2.
Device for tensioning elongated flexible material? C. A. Baumgartner, A. W. Ferguson, W. J. Koch and R. A. Mutter. 2,608,362, Aug. 26.
Device for tensioning the weft thread in looms. E. Pfarrwaller. 2,589,429, Mar. 18.
Device for testing and training individuals in the development of motor skills. B. A. Shields. 2,623,302, Dec. 30.
Device for testing electrical circuits. H. C. Grant, Jr., and A. W. Uhl. 2,595,246, May 6.
Device for testing gummed tape. P. W. Herrlinger. 2,604,783, July 29.
Device for the adjustment of the starting position of the blowpipe in oxygen cutting machines. G. Gatimel. 2,587,461, Feb. 26.
Device for the amplification of minute space currents. H. P. Kalmus and G. O. Striker. 2,605,428, July 29.
Device for the analysis of ankle pronation. M. B. De Jarnette. 2,619,729, Dec. 2.
Device for the attachment of lamps to motor vehicles. F. McD. Sellars. 2,613,052, Oct. 7.
Device for the control of the temperature in combustion engines. F. K. H. Nallinger. 2,622,572, Dec. 23.
Device for the discharge of liquids from receptacles. R. Niccolai. 2,606,326 Aug. 12.
Device for the fully automatic machining of surfaces of leaflike works. A. Thalmann. 2,593,363, Apr. 15.
Device for the insertion of different wefts in weft feeder looms without pirn. R. Dewas. 2,609,842, Sept. 9.
Device for the magnetic deflection of cathode-ray tubes. W. Reinhard. 2,598,302, May 27.
Device for the manufacture of honeycombs. C. Gadd-Claxton. 2,602,941, July 15.
Device for the mixing and dispensing of a plurality of materials. L. G. Hoppes. 2,596,898, May 13.
Device for the polyphase transformation of the frequency of three-phase circuits. U. Corbino. 2,616,070, Oct. 28.
Device for the production of rods and tubes from glass, plastic or like substance. W. Schuller. 2,591,304, Apr. 1.
Device for the relief of bloat in cattle. M. A. Marshall. 2,581,679, Jan. 8.
Device for the shaping of shoe heels and the like. E. Hořanský. 2,606,582, Aug. 12.
Device for the transmission by electrical means of oscillations of acoustic frequency. H. A. Broos. 2,616,970, Nov. 4.
Device for timing and adjusting balance wheel assemblies. L. Nemenyi-Katz. 2,613,529, Oct. 14.
Device for transferring articles from one conveyer to another. R. E. J. Nordquist. 2,611,493, Sept. 23.
Device for transferring articles from one conveyer to another conveyer. W. F. Ditolla. 2,623,626, Dec. 30.
Device for transformation of a measuring quantity into movements of adjustable members. S. A. Holmqvist. 2,585,317, Feb. 12.
Device for treating the ear. A. Ruzsits. 2,602,449, July 8.
Device for truing and dressing grinding worms. A. Rickenmann. 2,619,950, Dec. 2.
Device for truing grinding wheels. O. M. Eliasson and J. A. Nöjd. 2,618,255, Nov. 18.
Device for ultrahigh frequencies. D. Zaayer. 2,596,002, May 6.
Device for undertaking loss-angle measurements. B. G. Fruithof. 2,608,605, Aug. 26.
Device for using tape. G. H. Fritzinger. 2,582,979, Jan. 22.
Device for use in connection with pens or pencils. E.-R. Armelin. 2,620,143, Dec. 2.
Device for use in holding cuticles away from finger nails. L. G. and G. F. Delno. 2,580,739, Jan. 1.
Device for use in making slip-lasted shoes. P. W. Senfleben. 2,623,223, Dec. 30.
Device for use in protecting buildings against termites. C. B. Gallant. 2,592,022, Apr. 8.
Device for use in the stropping of safety razor blades. J. J. Hill. 2,601,523, June 24.
Device for use in timing ignition systems. G. B. Tippett. 2,602,328, July 8.
Device for use in timing ignition systems. G. B. Tippett. 2,605,636, Aug. 5.
Device for use in washing the hair. N. Sandor. 2,601,225, June 24.
Device for varying curvature of boat keels. L. P. Burch. 2,612,129, Sept. 30.
Device for varying the length of gunstocks. L. F. Turner. 2,587,248, Feb. 26.
Device for varying the quantity of working medium in hot-gas reciprocating engines. E. J. J. Veldhuyzen. 2,616,244, Nov. 4.
Device for volume determination of extremely small quantities of fluids for scientific analytic tests. J. Tannenberg. 2,618,158, Nov. 18.
Device for vibration testing. J. Severs. 2,596,048, May 6.
Device for viewing pictures. O. R. Nemeth. 2,608,903, Sept. 2.
Device for viewing slides. S. Brumberger. 2,594,390, Apr. 29.

Device for viewing transparent photographs. S. Diamond. 2,602,253, July 8.
Device for visual inspection of metallic balls. A. J. Oborski. 2,608,307, Aug. 26.
Device for voltage regulation for rectifier plants. B. Storsand. 2,604,611, July 22.
Device for wrapping hollow packages. H. J. McDermott. 2,615,606, Oct. 28.
Device permitting the introduction of advertising matter in a piece of transparent soap. A. Auzière. 2,611,942, Sept. 30.
Device relative to color television. P. M. Roeper. 2,590,350, Mar. 25.
Device to conduct aqueous vapor from radiator to carburetor in water-cooled automotive equipment. R. W. Hunter. 2,597,732, May 20.
Device to minimize interference between dial impulses in a carrier system. J. Ensink. 2,600,226, June 10.
Device to restore forcibly interferingly operated type carriers. W. F. Helmond. 2,612,253, Sept. 30.
Device utilizing erase head impedance to vary amplifier gain. I. J. Bobb. 2,600,046, June 10.
Device with adjustable bearings for opening envelopes. W. T. Buckens. 2,596,467, May 13.
Devices for which have selenium as constituent parts thereof. C. E. Peters. 2,607,332, Aug. 19.
Devotional package. H. Randall. 2,598,070, May 27.
Dew point measuring apparatus. A. B. Dember. 2,584,988–9, Feb. 12.
Dewatering thermoplastic resinous materials. P. M. Lindstedt. 2,615,206, Oct. 28.
Dewaxing oil and continuous rotary filter therefor. J. P. Thompson. 2,592,490, Apr. 8.
Dewaxing paper. H. B. Hope. 2,614,022, Oct. 21.
Dewaxing process using filter aid. J. L. Tiedje. 2,608,517, Aug. 26.
Dextrinization of sorghum flour. R. L. Slotter. 2,601,335, June 24.
Dextrone, Production of. L. Wallerstein and P. P. Gray. 2,583,451, Jan. 22.
Dextrose, Production of. W. B. Newkirk and A. D. Hapke. 2,606,847, Aug. 12.
Diacetyl with butter cultures, Preparation of. M. W. Marcoux. 2,586,072, Feb. 19.
Diacyl cyanides, Preparation of. A. E. Ardis. 2,596,804, May 13.
Diacyl 1,3-amino alcohols and their hydrolyzed products, 1,3-amino alcohols, Preparation of. E. L. Jenner. 2,584,589, Feb. 5.
Diagnostic antigens, Preparation of. C. J. De Boer. 2,598,659, June 3.
Dial. E. St. Pierre. 2,607,206, Aug. 19.
Dial bore gauge. E. M. Boat. 2,601,496, June 24.
Dial for radio cabinet. J. G. Kronouer. 2,586,468, Feb. 19.
Dial, Illuminated. J. L. H. Hand. 2,600,644, June 17.
Dial, Illuminated tuning. G. J. Barry. 2,591,667, Apr. 8.
Dial indicator. W. E. Carroll. 2,585,368, Feb. 12.
Dial indicator. M. J. Olschwang. 2,619,793, Dec. 2.
Dial indicator having polarizing elements. J. F. Dreyer. 2,603,129, July 15.
Dial mounting for micrometer calipers. W. B. Hunter. 2,581,955, Jan. 8.
Dial, Party line identification. J. E. Ostline. 2,581,697, Jan. 8.
Dial retainer for calendar timepieces. M. Huguenin. 2,590,967, Apr. 1.
Dial scale indicator. L. S. Williams. 2,584,958, Feb. 5.
Dial set for carrier or 2-wire lines. W. Brandt. 2,610,256, Sept. 9.
Dial, Spiral tuning. P. Ware. 2,605,735, Aug. 5.
Dial structure. E. F. Rosfelder. 2,583,797, Jan. 29.
Dial, Swivel. L. S. Williams. 2,602,657, July 8.
Dial, Telephone. J. A. Petnel. 2,613,280, Oct. 7.
Dial, Timepiece. C. Stern. 2,604,418, July 22.
Dial, Unit assembly-rotatable. N. E. Hart. 2,602,414, July 8.
Dialing means for dial telephones. P. Waldinger. 2,596,628, May 13.
Dials for lathe carriages, Feed indicating. W. G. Hoelscher. 2,584,963, Feb. 5.
Dialkenyl alkanephosphonates and polymers thereof. D. Harman and A. R. Stiles. 2,601,520, June 24.
Di(alkenyl carbonate) esters of alkylidene bis-phenols. J. A. Bralley and F. B. Pope. 2,587,437, Feb. 26.
Dialkoxyacetoguanamines. J. G. Erickson. 2,619,486, Nov. 25.
Dialkylalkanamides, Preparation of. R. L. Helder. 2,603,660, July 15.
Dialkylaminoalkyl esters of piperazine carboxylic acids. R. J. Turner. 2,617,803, Nov. 11.
Dialkylammoalkyl esters of phenyl halogenated ortho-hydroxybenzoic acids. M. Sahyun. 2,584,160, Feb. 5.
Dialkyl beta-propiothetins, Preparation of. M. E. Roha. 2,602,801, July 8.
Dialkyl bicyclo [2.2.1]-5-heptene-2-phosphonates. E. C. Ladd. 2,611,784, Sept. 23.
Dialkyl bisphenoxy acetate plasticized polyvinyl chloride compositions. J. Dazzi. 2,603,619, July 15.
Di (alkyl glycolyl) esters of oxy-di-(polymethylene)-dicarboxylic acids. W. E. Weesner. 2,608,578, Aug. 26.
Dialkyl phosphoryl monoethyl hydrocarbon phosphonate, Making a. G. M. Kosolapoff. 2,594,455, Apr. 29.
Dialkyl sulfamyl benzoic acids. C. S. Miller. 2,608,507, Aug. 26.
Di-amino benzoates of methyldiethanolamine. I. C. Beatty, III. 2,620,352, Dec. 2.
Diamond drill bit for rotary well drilling. J. A. Zublin. 2,614,809, Oct. 21.
Diamond holder for 180 degree concave radii in grinding wheels. W. Muench. 2,591,591, Apr. 1.
Diamond set core bit. L. Catallo. 2,612,348, Sept. 30.
Diamond tool. L. Small. 2,581,609, Jan. 8.
Diamond type tooth for rotary stone cutting saws. V. J. Fantozzi and L. H. Metzger. 2,589,357, Mar. 18.
Dianisidine, Preparing. A. L. Linch. 2,586,837, Feb. 26.
Diaper. A. C. Harrison. 2,588,113, Mar. 4.
Diaper. M. A. Hawkins. 2,610,629, Sept. 16.
Diaper. D. L. Miller. 2,612,164, Sept. 30.
Diaper and moistureproof cover, Combination. M. O. McConnell. 2,584,898, Feb. 5.
Diaper cover. J. B. De Leone. 2,618,266, Nov. 18.
Diaper holder. M. L. Biancavilla. 2,607,349, Aug. 19.
Diaper pants. M. R. Leaton. 2,591,079, Apr. 1.
Diaper, Pinless. L. C. O'Brien. 2,620,798, Dec. 9.
Diaper, Prefolded. J. J. Gannon. 2,600,634, June 17.
Diaper protector. J. E. Silverman. 2,586,730, Feb. 19.
Diaper, Snap-on type. E. E. Dotson. 2,621,656, Dec. 16.
Diaper storage device. M. F. Swinney. 2,615,489, Oct. 28.
Diaphragm air compressor, Flowable weighted. A. E. Swindler. 2,604,758, July 29.
Diaphragm capsule assembly, High-power. W. Angst. 2,604,117, July 22.
Diaphragm control for multilens cameras. F. Waller and R. C. Babish. 2,598,731, June 3.
Diaphragm control slip. S. Cousins. 2,584,556, Feb. 5.
Diaphragm for electrostatic loud-speakers. T. Lindenberg and G. T. Loughlin. 2,615,994, Oct. 28.
Diaphragm operated valve with frictionless seal between diaphragm mechanism and valve. W. F. Heinisch. 2,623,543, Dec. 30.
Diaphragm optical gas mask. R. Monro, I. C. Brown, C. N. Hinkamp, and F. J. M. Parduhn. 2,586,851, Feb. 26.
Diaphragm pump. L. C. Neufeld. 2,584,552, Feb. 5.
Diaphragm type of pressure regulator. S. Greening. 2,623,331, Dec. 30.
Diaphragm valve. O. Kaye. 2,605,991, Aug. 5.
Diaphragm valve. C. R. Suska. 2,599,498, June 3.
Diarylguanidines, Preparation of. D. W. Kaiser and P. F. Hopper. 2,615,045, Oct. 21.
Diaryl-hydroxyalkyl-diamino compounds and preparation thereof. J. J. Denton and H. P. Sebedi. 2,600,217, June 10.
Diaryl pyrazolines, Production of. J. D. Kendall and G. F. Duffin. 2,610,969, Sept. 16.
Diathermy electrode. F. W. Kazdin. 2,583,853, Jan. 29.
Diazabutadiene sulfonic acids. E. Hoggarth. 2,623,899, Dec. 30.
Diazotating aminobenzene acid esters. R. L. Lehmann and J. Lintner. 2,606,895, Aug. 12.
Diazotizing aromatic amino-compounds to corresponding diazonium compounds. K. H. Klaassens and C. J. Schoot. 2,622,078, Dec. 16.
Diazotype composition for siliceous surface. S. C. Slifkin. 2,598,453, May 27.
Diazotype compositions containing unsaturated alkyl N-derivatives of amino diazos. W. H. von Glahn and L. N. Stanley. 2,597,412, May 20.
Diazotype dyeing and printing of web or sheet material. L. E. Ravich. 2,616,803, Nov. 4.
Diazotype photoprinting material. S. R. Buc. 2,593,839, Apr. 22.
Diazotype photoprinting materials. T. J. Trojnar. 2,606,117, Aug. 5.
Diazotype photoprinting material. H. C. Unkauf. 2,613,149, Oct. 7.
Diazotypes containing a condensation product of dicyandiamide with formaldehyde and a salt of ammonia or an aromatic amine. F. W. Neumann and W. W. Williams. 2,593,911, Apr. 22.
Diazotypes containing N-substituted P-diazoanilines having radicals of at least four conjugated C—C double bonds as N-substituents. W. D. Peterson. 2,605,182, July 29.
Dibasic carboxylic acids, Preparation of. M. J. Roedel. 2,601,542, June 24.
Dibenzylamine salts of penicillin. F. H. Buckwalter. 2,585,432, Feb. 12.
Dicarbonyl compounds. A. H. Fischer. 2,602,814, July 8.
Dicarboxylic acids and esters and their preparation, Unsaturated. C. J. Albisetti, Jr., and N. G. Fisher. 2,584,527, Feb. 5.
Dicarboxylic acids from saturated monocarboxylic acids, Preparation of. L. A. Mikeska. 2,614,122, Oct. 14.
Dicarboxylic acids, Production of. W. Reppe. 2,604,490, July 22.
Dichloramine compound solution. R. L. Evans and E. G. McDonough. 2,618,584, Nov. 18.
Dichlorodifluoromethane, Manufacture of. J. D. Calfee and L. B. Smith. 2,606,937, Aug. 12.
Dictating machine signal. A. I. Kegan. 2,610,061, Sept. 9.
Dictating machine transcribing apparatus with extension arm. F. J. Fox and H. A. Williams. 2,598,045, May 27.

Dictating machine with combined hand microphone and control means. A. C. De Napoli, Jr. 2,611,037, Sept. 16.
Di (cycloalkyl) alkanes, Production of. V. M. Ipatieff and H. Pines. 2,622,110, Dec. 16.
Die: *See*—
Double finish drawing die.
Extrusion die.
Forging die.
Golf ball marking die.
Hand die.
Hydraulic die.
Pottery die.
Printing and cutting die.
Pulp molding die.
Punching die.
Threading die.
Die. J. R. Rotheroe. 2,589,142, Mar. 11.
Die. G. W. Stockburger. 2,611,522, Sept. 23.
Die aligner. G. O. Conner. 2,596,213, May 13.
Die and its manufacture, Screw threading. J. Archer. 2,607,935, Aug. 26.
Die and stripper, Combination drawing. C. W. Musser. 2,580,454, Jan. 1.
Die apparatus. O. R. Vigneault and D. M. Small. 2,591,108, Apr. 1.
Die assembly. T. S. See. 2,602,539, July 8.
Die assembly for striking tabs from moulding retainer strips or other similar workpieces. F. Bangerter. 2,613,743, Oct. 14.
Die-cast sliders, Making. N. J. Poux. 2,584,916, Feb. 5.
Die casting apparatus. J. J. McGarigal. 2,612,666, Oct. 7.
Die casting machine. J. de Sternberg. 2,620,528, Dec. 9.
Die casting machine. F. Halward. 2,582,029, Jan. 8.
Die-casting or injection molding machine. W. A. Venus. 2,622,288, Dec. 23.
Die for forming macaroni dough into animal shape. T. J. Viviano. 2,619,049, Nov. 25.
Die for molding pulp articles. W. J. De Reamer. 2,601,815, July 1.
Die for pipe tongs and making same. N. J. Barnard. 2,609,720, Sept. 9.
Die for tong heads. C. C. Weiss. 2,596,880, May 13.
Die holder cap. J. Watson. 2,600,349, June 10.
Die holding and lubricating mechanism. W. E. Rogers and N. H. Nye. 2,581,708, Jan. 8.
Die mechanism for wire coating apparatus. E. H. Brink. 2,591,505, Apr. 1.
Die or mold and cooling assembly therefor. H. L. Horn. 2,600,772, June 17.
Die polishing or lapping machine. N. S. Hardy. 2,616,224, Nov. 4.
Die rolling machine. J. Gavurin. 2,603,854, July 22.
Die set. K. Janiszewski. 2,611,435, Sept. 23.
Dies for high-temperature applications and alloy therefor. S. G. Demirjian and W. H. McCarty. 2,622,021, Dec. 16.
Dies for making truck lever connections. O. Otterson. 2,609,861, Sept. 9.
Dies, Making. J. Gyuris. 2,622,456, Dec. 23.
Dies, Making. S. R. Lange. 2,619,853, Dec. 2.
Dielectric and making. M. A. Strivens. 2,586,113, Feb. 19.
Dielectric heating apparatus. W. H. Anderson. 2,623,982, Dec. 30.
Dielectric heating apparatus. H. E. Wright, Jr. 2,596,636, May 13.
Dielectric heating apparatus preferably for heating gas-porous material. M. E. Wade. 2,615,259, Oct. 28.
Dielectric heating especially for spools of rayon thread. R. H. Hagopian. 2,586,328, Feb. 19.
Dielectric heating structure with shielding means. W. H. Anderson and D. S. Shingler. 2,023,981, Dec. 30.
Dielectric heating system, High-frequency. H. C. Gillespie. 2,594,420, Apr. 29.
Dielectric heating unit. W. H. Anderson, D. S. Shingler, and B. Boyd. 2,593,959, Apr. 22.
Dielectric heating with cavity resonators. T. W. Dakin, C. N. Works and F. W. Boggs. 2,608,637, Aug. 26.
Dielectric material inspection system. H. P. Hubertz. 2,615,964, Oct. 28.
Dielectric R-F heating of nonconducting materials in particular of thermoplastic materials, wood, paper, etc. H. T. von Hauteville. 2,617,752, Nov. 11.
Dielectric test circuit. L. E. Herborn. 2,614,152, Oct. 14.
Dielectric tuning system. R. L. Harvey. 2,611,088, Sept. 16.
Dielectric wave guide. H. Iams. 2,595,078, Apr. 29.
Dielectric wave guide system. M. D. Fiske. 2,610,249, Sept. 9.
Diels-Alder adducts of hexahalocyclopentadiene. S. H. Herzfeld, R. E. Lidov, and H. Bluestone. 2,606,910, Aug. 12.
Diels-Alder adducts of hexahalocyclopentadiene with quinones. R. E. Lidov, J. Hyman and E. Segel. 2,584,139, Feb. 5.
Diesel engine filter cleaner. E. E. Galusha. 2,615,456, Oct. 28.
Diesel engine having controllable auxiliary burner means to supplement exhaust gas fed to turbocharger. F. Nettel. 2,620,621, Dec. 9.
Diesel engine with precombustion chamber. F. K. H. Nallinger. 2,622,570, Dec. 23.
Diesel fuel. J. B. Hinkamp and R. Sugimoto. 2,595,789, May 6.
Diesel fuel. E. J. Martin. 2,615,799, Oct. 28.
Diesel fuel. P. L. Pinotti. 2,583,518, Jan. 22.
Diesel fuel composition. A. R. Jones and A. E. Robertson. 2,618,538, Nov. 18.
Diesel fuel composition. J. G. McNab. 2,612,439, Sept. 30.
Diesel fuel containing di-tertiary alkyl sulfides as ignition promoters. L. T. Eby. 2,614,914, Oct. 21.
Diesel fuel oil. G. H. Denison, Jr. 2,582,192. Jan. 8.
Diesel motor. S. Jencick. 2,607,328, Aug. 19.
Diesel-type engine for toy aircraft. K. O. Woodruff and R. L. Krier. 2,610,616, Sept. 16.
Diesterified phosphono derivatives of ketones, Preparation of. F. Johnston. 2,616,918, Nov. 4.
Diesters of aliphatic oxophosphonic acids, Preparation of. E. W. Gluesenkamp and T. M. Patrick, Jr. 2,612,513, Sept. 30.
Diesters of dibasic acids as plant growth regulants. W. D. Stewart. 2,603,560, July 15.
Dietary salt substitute. A. Halpern and C. H. Bradney. 2,596,333, May 13.
Difference measuring apparatus. L. Stanton. 2,618,674, Nov. 18.
Differential actuating mechanism. R. V. Reppert. 2,590,345, Mar. 25.
Differential bearing arrangement. S. L. Terry. 2,588,670, Mar. 11.
Differential bellows pump. R. B. Saalfrank. 2,613,610, Oct. 14.
Differential coil system for induction logging. H. G. Doll. 2,582,315, Jan. 15.
Differential, Concentric helical drum winch. A. B. Hulse, Jr. 2,590,623, Mar. 25.
Differential control. S. C. Rockafellow. 2,585,589, Feb. 12.
Differential entry mechanism, Ten key. G. W. Hopkins. 2,608,346, Aug. 26.
Differential flow valve. H. U. Garrett. 2,588,715, Mar. 11.
Differential gear control device. L. H. and H. B. Pixler. 2,609,709, Sept. 9.
Differential hydrostatic pressure type device. R. E. Speckmann. 2,623,390, Dec. 30.
Differential inertia speed responsive device. W. W. Hamill. 2,598,164, May 27.
Differential load weighing device. A. C. Ruge. 2,582,886, Jan. 15.
Differential manometer. A. Whitaker. 2,583,914, Jan. 29.
Differential measuring gauge. D. N. Kirkpatrick. 2,584,714, Feb. 5.
Differential pressure operated valve mechanism. E. L. Potts. 2,621,675, Dec. 16.
Differential pressure relief valve. R. M. Brunton. 2,596,368, May 13.
Differential pressure responsive control. W. W. Taylor. 2,618,287, Nov. 18.
Differential pressure sampling device. E. H. Paulsen. 2,583,060, Jan. 22.
Differential pressure sensing unit. K. L. Tate and F. B. Newell. 2,612,908, Oct. 7.
Differential protective relaying system. R. I. Ward. 2,594,371, Apr. 29.
Differential quantization of communication signals. C. C. Cutler. 2,605,361, July 29.
Differential refractometer. R. F. Stamm, T. Mariner, R. B. Barnes, and C. R. Stryker. 2,583,973, Jan. 29.
Differential screw adjustment for magnetic core air gaps. R. G. Schlawin. 2,617,092, Nov. 4.
Differential speed control mechanism. H. Clark. 2,602,656, July 8.
Differential steering mechanism for vehicles. E. B. Clemons. 2,584,672, Feb. 5.
Differential thermostat with opposing bimetallic coils and partition therebetween. H. H. Kersten. 2,601,028, June 17.
Diffuser. C. D. MacCracken. 2,613,587, Oct. 14.
Diffuser head for fluid fuel burners. A. S. Gorshkoff. 2,587,140, Feb. 26.
Diffusing apparatus. A. T. Rooch. 2,586,179, Feb. 19.
Diffusion. F. A. Schwertz. 2,583,601, Jan. 29.
Diffusion apparatus. K. W. Hildebrandt. 2,602,761, July 8.
Diffusion apparatus. A. J. P. Oller. 2,589,568, Mar. 18.
Diffusion measuring meter. C. G. Bacon. 2,613,531, Oct. 14.
Diffusion-preventing device for X-rays. R. A. Delhumeau. 2,605,427, July 29.
Difunctional compounds, Preparation of. M. J. Roedel. 2,601,224, June 24.
Digester filling in sulfate pulping. O. Tarkkonen. 2,614,923, Oct. 21.
Digester for manufacture of fertilizer. W. D. Taylor, E. W. Voegtlin, and C. E. Schlosser. 2,611,975, Sept. 30.
Digger tooth construction. M. D. Hostetter. 2,618,873, Nov. 25.
Digger, Vegetable. W. W. Tranter and H. C. Hollinger. 2,583,241, Jan. 22.
Digging adjustment for endless type trench excavators. D. F. Przybylski. 2,584,287, Feb. 5.
Digging machine. K. W. Walters. 2,622,351, Dec. 23.
Digit shifting circuit. L. P. Crosman. 2,585,630, Feb. 12.
Digital counting apparatus. V. C. Kennedy and V. C. Kennedy, Jr. 2,623,936, Dec. 30.
Dihalo-alkenyl alkenoates. E. C. Ladd. 2,594,184, Apr. 22.
Dihalogen benzoic acid esters of amino alcohols. R. S. Shelton and E. R. Andrews. 2,606,205, Aug. 5.

Dihalogeno propenyl aryl ethers. E. C. Ladd and M. P. Harvey. 2,594,935, Apr. 29.
Dihexyl alanine dialkylamides. J. W. Cusic. 2,580,411, Jan. 1.
Dihydrocarbon peroxides capable of controlling polymerization reactions. H. S. Bloch. 2,603,629, July 15.
Dihydropterins, Preparing. C. W. Waller and J. H. Mowat. 2,601,215, June 17.
Dihydroxydiphenylmethanes. C. L. Moyle and P. A. Wolf. 2,616,932, Nov. 4.
Diisopropylidene glyoxal, Producing. H. R. Hochstadt. 2,623,883, Dec. 30.
Diketo unsaturated acid and esters. J. B. Nichols. 2,623,889, Dec. 30.
Diketone ion-exchange resins. C. H. McBurney. 2,613,200, Oct. 7.
Diketones, Preparation of. E. C. Ladd. 2,621,213, Dec. 9.
Dilator for clogged teats. V. Gariepy. 2,592,800, Apr. 15.
Dimension gauge. P. W. Johnson. 2,618,070, Nov. 18.
Dimensional tolerance gauge. E. E. Johnson and H. A. Slefen. 2,599,835, June 10.
Dimensionally stable dinzotype photographic film and making it. S. C. Slifkin. 2,593,928, Apr. 22.
Dimensionally stable hardened copolymer monohydric phenol, dihydric phenol-aldehyde resinous mass, Production of. P. H. Rhodes. 2,589,286, Mar. 18.
Di(methanesulfonyl) peroxide and its preparation. G. D. Jones and R. E. Friedrich. 2,619,507, Nov. 25.
Dimethyl and diethyl phthalate from phthalic anhydride, Preparation of. R. Page and W. Hunter. 2,618,651, Nov. 18.
Di-methyl-butylsulfamylbenzoic acid. C. Ziegler. 2,608,515, Aug. 26.
Dimethyl sulfoxide, Production of. T. H. Smedslund. 2,581,050, Jan. 1.
Dimpling machine, Automatic. H. R. Fischer. 2,592,672, Apr. 15.
Dinitriles, Preparation of. M. J. Hogsed and R. M. Joyce. 2,606,204, Aug. 5.
Dinitrodiols and their alkali and alkaline earth metal salts, and preparation thereof. H. Plaut. 2,616,923, Nov. 4.
Dinnerware and apparatus therefor, Making. T. E. Carothers. 2,597,448, May 20.
Dinnerware finishing machine. H. G. Allen, R. W. Watkin, S. Kufel, Jr., and E. I. Fisher. 2,587,271, Feb. 26.
Di(1,4 diamino-2-arylketone anthraquinone) amides of aromatic dicarboxylic acids. E. Moergeli. 2,598,587, May 27.
Dip-coating cookies, Method and apparatus for. N. J. Watson and W. R. Steingraber. 2,606,511, Aug. 12.
Dipper. S. J. Boehringer. 2,584,416, Feb. 5.
Dipper. G. M. Nicholson. 2,605,127, July 29.
Dipper blade for snuffbox covers, Extensible concealed. L. L. Schuh. 2,599,868, June 10.
Dipper handle. L. A. Inskeep. 2,610,754, Sept. 16.
Dipper-stick crowding means for excavators. B. Calvert. 2,586,000, Feb. 19.
Dipper teeth. R. G. Frye. 2,623,309, Dec. 30.
Dipper tooth construction. F. E. Smith. 2,603,009, July 15.
Dipping form. D. P. Reynolds. 2,583,593, Jan. 29.
Diphenyl acetic acid-β-(N-cycloheptyl-methylamino)-ethyl ester and salts thereof. K. Hoffmann and M. Spillmann. 2,599,996, June 10.
Diphenylamine dyestuffs. C. E. Hieserman. 2,595,359, May 6.
Diphenyl and phenyl orthosilicates. E. Da Fano. 2,584,334, Feb. 5.
Diphenyl disazo dyes containing deaminated amine coupling components. W. H. Armento. 2,607,769, Aug. 19.
Diphenyl ethers and preparing same. E. T. Borrows. 2,591,776, Apr. 8.
Diphenylsiloxane copolymers and preparation thereof. L. J. Tyler. 2,611,774, Sept. 23.
Diphenyl sulfone, Manufacture of a. H. Bender and H. M. Pitt. 2,593,001, Apr. 15.
Diphenylol methane, Preparing. R. W. Martin. 2,617,832, Nov. 11.
Diplex antenna feed system. M. E. Hiehle. 2,583,773, Jan. 29.
Diquaternary compounds. J. G. Erickson. 2,617,806, Nov. 11.
Diquaternary salts of pyrimidylaminocinnolines, Manufacture of. W. Hepworth and F. H. S. Curd. 2,585,936, Feb. 19.
Di-quaternary salts of pyrimidylamino-quinolines. W. Hepworth. 2,591,545, Apr. 1.
Diquaternary salts of pyrimidylamino quinolines, Manufacture of. G. J. Stacey, H. W. Thompson, C. H. Vasey, and F. H. S. Curd. 2,585,972, Feb. 19.
Diquaternary salts of pyrimidylamino quinolines, Preparing. N. Barton, S. Birtwell, and F. H. S. Curd. 2,585,910, Feb. 19.
Direct acting friction shock absorber. J. R. Snyder. 2,615,535, Oct. 28.
Direct current arc having reflector means superimposing a reverse complementary image on the arc. E. Gretener. 2,621,284, Dec. 9.
Direct current circuit breaker tester. F. J. Bucher. 2,614,150, Oct. 14.
Direct current control system. M. Bracutt. 2,622,230, Dec. 16.
Direct current electrical supply system. J. C. Milne. 2,615,066, Oct. 21.
Direct current exciter-generator. R. P. L. M. David. 2,621,320, Dec. 9.
Direct current measuring apparatus. T. R. Specht. 2,605,302, July 29.
Direct current motor control. D. F. Alexander. 2,614,238, Oct. 14.
Direct current regulated power supply. C. O. Jorgensen. 2,624,039, Dec. 30.
Direct current reinsertion circuit. R. C. Moore. 2,598,929, June 3.
Direct current restorer for maintaining constant black level at cathode-ray tube. W. F. Bailey. 2,611,029, Sept. 16.
Direct current reverse power controller. E. D. Bell. 2,606,313, Aug. 5.
Direct-current rotary transformer. J. M. Pestarini. 2,596,431, May 13.
Direct current stabilizer. H. A. French and L. Staschover. 2,601,271, June 24.
Direct-current to alternating-current signal converter. E. E. St. John. 2,600,172, June 10.
Direct driven winding machine and bobbin mounting means. A. E. Roane. 2,605,973, Aug. 5.
Direct fired air heating furnace with multiple tube wall heat exchange structure. A. A. Olson. 2,618,256, Nov. 18.
Direct halogenation of steriods with an unsaturated side-chain in 17-position, and the dehydrohalogenation of resultant products. K. Miescher, L. Ehmann, and A. Wettstein. 2,590,637, Mar. 25.
Direct lighting fixture. V. S. Wince. 2,596,634, May 13.
Direct lighting luminaire and/or refractor for use therein. R. G. McPhail. 2,623,160, Dec. 23.
Direct positive photographs using hydrazine in the emulsion. C. E. Ives. 2,588,982, Mar. 11.
Direct reading color temperature meter. F. F. Crandell and H. Heidt. 2,587,601, Mar. 4.
Direct reading eddy current dynamometer. W. H. Lee and E. D. Smith. 2,585,475, Feb. 12.
Direction and distance finding equipment. R. J. Hardy. 2,589,249, Mar. 18.
Direction and position indicating system. G. S. Burroughs. 2,582,962, Jan. 22.
Direction finder. A. G. Richardson and F. O. Chesus. 2,581,444, Jan. 8.
Direction indicator. L. B. Reed. 2,596,173, May 13.
Direction selection condenser. J. J. Root. 2,588,577, Mar. 11.
Direction signal device. C. W. Lincoln, P. B. Zeigler, and R. A. Malone. 2,617,902, Nov. 11.
Direction signal switch. E. L. Barcus. 2,596,834, May 13.
Direction signaling system. J. W. Lawson and W. E. Brown. 2,602,849, July 8.
Directional antenna system. W. P. Boothroyd and H. F. Hartley, Jr. 2,588,610, Mar. 11.
Directional coupler. S. Zaslavsky. 2,615,982, Oct. 28.
Directional coupler for polyphase networks. P. Marié. 2,614,170, Oct. 14.
Directional indicator system. V. V. Vacquier and J. N. Adkins. 2,605,341, July 29.
Directional signal switch. H. G. Dibelka. 2,604,560, July 22.
Directional signal switch. T. W. Drury, N. H. Weber, and E. F. Loro. 2,597,078, May 20.
Directional switch. D. C. Reek. 2,598,440, May 27.
Directive antenna for microwaves. E. W. Guptill and W. H. Watson. 2,596,480, May 13.
Directive radiating system. J. E. Karlson. 2,586,827, Feb. 26.
Directive system for wave guide feed to parabolic reflector. J. S. Foster. 2,605,416, July 29.
Directory, Illuminated. L. R. Eberwein. 2,601,106, June 17.
Direpeller and speed control therefor. E. Lagelbauer. 2,603,946, July 22.
Dirigible automotive arc welder. E. W. Gommel. 2,615,110, Oct. 21.
Dirigible front unit for high clearance tractors. G. Connors and F. Chicoine. 2,619,361, Nov. 25.
Dirigible vehicle. C. L. Jasper. 2,597,101, May 20.
Dirigibly mounted combination spotlamp and mirror. R. N. Falge. 2,623,986, Dec. 30.
Dirt tray for air filters. C. R. Taylor. 2,611,447, Sept. 23.
Di-salicylate of 7-chloro-4-(4'-diethylamino-1'-methylbutylamino)quinoline. C. F. Geschickter and M. I. Rubin. 2,594,419, Apr. 29.
Disappearing door safe. H. L. Henkel. 2,598,255, May 27.
Disappearing stairway. J. R. Craig. 2,582,622, Jan. 15.
Disazo dyestuffs. H. Iscber. 2,623,873, Dec. 30.
Disazo dyestuffs and their chromium, iron and cobalt complexes. W. Wehrli and W. Steinemann. 2,580,867, Jan. 1.
Discerptible structure. H. E. Nash. 2,611,460, Sept. 23.
Discharge apparatus for coal charging hoppers. C. V. McCabe. 2,612,299, Sept. 30.
Discharge apparatus for coal hoppers. R. D. Wearne. 2,612,298, Sept. 30.
Discharge apparatus for slurry and muddy materials, Adjustable. A. France. 2,583,768, Jan. 29.

Discharge chute assembly for concrete mixers or the like. L. J. Sarosdy. 2,612,250, Sept. 30.
Discharge conveyer attachment for potato diggers. L. R. Chase. 2,598,223, May 27.
Discharge conveyer for excavating machines. A. R. Askue. 2,598,339, May 27.
Discharge device for vertical retorts. F. J. and E. West. 2,614,974, Oct. 21.
Discharge device, Gas filled. H. L. von Gugelberg. 2,607,021, Aug. 12.
Discharge electrode system for electrical precipitators. H. A. Wintermute. 2,601,906, July 1.
Discharge end contracting device for balers. G. B. Hill. 2,608,153, Aug. 26.
Discharge lamp circuit. B. A. Sawyer and L. Burns. 2,620,459, Dec. 2.
Discharge lamp control system with an electromagnetic lock for the simmering shutter. A. H. Willoughby. 2,608,640, Aug. 26.
Discharge spout construction for insulated storage containers. G. C. Becker. 2,620,945, Dec. 9.
Discharge valve. F. B. Allen. 2,603,233, July 15.
Discharge valve and nozzle for pressurized fire extinguishers. C. H. Smith. 2,620,881, Dec. 9.
Discharge valve for fuel injection pumps, Variable retraction. R. A. Lasley. 2,612,841, Oct. 7.
Discharger for pressurized metal bulbs. G. L. Neely. 2,601,211, June 17.
Discharging static electricity from airplane radio antennas. W. H. Bennett. 2,583,540, Jan. 29.
Disconnectable transfer mechanism for settable registers. F. J. Rouan. 2,587,766, Mar. 4.
Disconnecting switch. O. Leopold. 2,605,370, July 29.
Discontinuous, conducting coatings upon insulating surfaces, Production of. S. O. Dorst. 2,585,752, Feb. 12.
Discontinuously physically developing latent photographic images. R. J. H. Alink, C. J. Dippel and H. J. Houtman. 2,609,295, Sept. 2.
Discriminating panoramic receiver. E. M. Williams. 2,619,590, Nov. 25.
Discrimination of subscriber's line condition. M. den Hertog. 2,593,418, Apr. 22.
Discriminator circuit. E. H. Hugenholtz. 2,617,025, Nov. 4.
Discriminator circuit. C. J. Norton. 2,581,968, Jan. 8.
Dish and base therefor, Disposable. K. E. Howard. 2,588,727, Mar. 11.
Dish flushing and washing device. J. D. Clague and M. R. Anstice, Sr. 2,596,653, May 13.
Dish for corn on the cob, Serving. J. W. Rosendahl. 2,585,174, Feb. 12.
Dish for fruit, Service. A. J. Folli. 2,582,245, Jan. 15.
Dish, Grapefruit. D. D. Griffin. 2,611,252, Sept. 23.
Dish hold-down for dishwashing machines. F. G. Walker. 2,615,457, Oct. 28.
Dish, Serving. R. W. Anderson. 2,617,280, Nov. 11.
Dish, Serving. J. J. van Loghem. 2,620,089, Dec. 2.
Dish, Soap. L. Fleming. 2,606,393, Aug. 12.
Dish, Soap. F. D. Low. 2,618,884, Nov. 25.
Dishwasher. G. B. Fox and J. M. Sherman. 2,592,884, Apr. 15.
Dishwasher having lid locking mechanism. J. W. Stanitz and L. Schlobohm. 2,618,282, Nov. 18.
Dishwasher or the like. C. Hollerith. 2,595,659–60, May 6.
Dishwasher pressure spray. M. J. Wyckoff. 2,602,698, July 8.
Dishwashing apparatus. J. J. McDonald and S. D. Klyce. 2,597,359, May 20.
Dishwashing apparatus having a propeller and a fluid deflecting baffle associated therewith. J. G. Idle. 2,608,983, Sept. 2.
Dishwashing apparatus of the gear-driven rotary brush type. D. O. Semel. 2,608,704, Sept. 2.
Dishwashing apparatus with automatic detergent introduction arrangement. F. A. Walker. 2,620,811, Dec. 9.
Dishwashing device operable by variable pressure steam. H. E. S. Hiort af Ornas. 2,618,281, Nov. 18.
Dishwashing machine. H. E. S. Hiort af Ornas. 2,621,666, Dec. 16.
Dishwashing machine. O. V. Jackson. 2,608,981, Sept. 2.
Dishwashing machine. E. R. Johnson. 2,599,110, June 3.
Dishwashing machine. J. F. R. Karlstrom. 2,596,693, May 13.
Dishwashing machine. L. A. Loeb. 2,591,080, Apr. 1.
Dish-washing machine having a circulating pump and plural rotatable strainer means selectively cooperable therewith, Spray-type. E. W. Vars. 2,586,398, Feb. 19.
Dishwashing machine with water temperature regulating means. A. von Brömssen. 2,619,097, Nov. 25.
Dish with coacting covers, Multicompartment. R. B. Karoff. 2,613,518, Oct. 14.
Disiloxane dibasic acids, Production of. L. H. Sommer. 2,589,446, Mar. 18.
Disinfectant injector for dishwashers. G. B. Fox and J. M. Sherman. 2,592,886, Apr. 15.
Disinfectant mat. L. W. Eames. 2,604,377, July 22.
Disinfecting device. A. N. Bierra. 2,614,265, Oct. 21.
Disinfecting seed potato cutter. H. A. Spry. 2,601,233, June 24.
Disintegratable top shot wads, Making. H. C. Russell and W. N. King. 2,599,943, June 10.
Disintegrating conglomerates of polymer particles. W. L. J. de Nie and R. H. M. Meijer. 2,595,831, May 6.
Disintegrating device. R. P. Scherer. 2,623,700, Dec. 30.
Disintegrating or removing metallic material. H. V. Harding. 2,592,894, Apr. 15.
Disk brake mechanism. P. W. Gaenssle and J. H. Coombes. 2,622,704, Dec. 23.
Disk carrier attachment. M. Neikirk. 2,587,510, Feb. 26.
Disk chipper with horizontally inclined rotary axes. P. N. Ottersland. 2,585,673, Feb. 12.
Disk clutch. J. Maurice. 2,597,356, May 20.
Disk driving unit. J. W. Wilson. 2,606,777, Aug. 12.
Disk flexing and installing apparatus. J. P. Lannen. 2,588,395, Mar. 11.
Disk gang adjusting mechanism. E. P. Cook. 2,588,701, Mar. 11.
Disk gang biasing means. W. P. Oehler and C. H. Youngberg. 2,610,454, Sept. 16.
Disk gang mounting. E. S. Thompson. 2,586,490, Feb. 19.
Disk gang spring biasing means. C. H. White. 2,610,453, Sept. 16.
Disk harrow. H. L. Elliott. 2,588,709, Mar. 11.
Disk harrow. J. A. Love. 2,587,494, Feb. 26.
Disk harrow. S. S. Moore. 2,601,165, June 17.
Disk harrow. P. R. Sonneman. 2,584,238, Feb. 5.
Disk harrow. C. H. White. 2,595,554, May 6.
Disk harrow angling arm. W. P. Oehler. 2,614,377, Oct. 21.
Disk harrow angling link. C. H. White. 2,592,987, Apr. 15.
Disk harrow angling mechanism. J. F. Rude. 2,600,331, June 10.
Disk harrow carrier. H. P. Douyard. 2,621,458, Dec. 16.
Disk harrow construction. E. R. Gerber. 2,606,415, Aug. 12.
Disk harrow, Convertible. M. C. Brunt. 2,608,040, Aug. 26.
Disk harrow, Convertible. W. A. Scott. 2,621,459, Dec. 16.
Disk harrow, Flexible offset. W. R. Frank and L. A. Crosson. 2,604,746, July 29.
Disk harrow frame. C. H. White and W. P. Oehler. 2,604,745, July 29.
Disk harrow, Lift type. J. A. Love. 2,598,400, May 27.
Disk harrow locking device. A. E. Rutter. 2,587,387, Feb. 26.
Disk harrow, Offset. W. R. McKay and R. H. Mitchell. 2,597,121, May 20.
Disk harrow, Tractor borne. A. P. McKay. 2,596,579, May 13.
Disk harrow, Tractor mounted. J. A. Love. 2,609,647, Sept. 9.
Disk nozzle shower device. B. E. Prevost. 2,581,289, Jan. 1.
Disk platen, Rotary. T. J. Miller. 2,586,848. Feb. 26.
Disk recorder and playback device, Automatic. R. M. Cain. 2,601,501, June 24.
Disk ripper plow assembly. H. A. Mullin. 2,603,049, July 15.
Disk sharpener, Cultivator. C. R. Hodges. 2,597,325, May 20.
Disk, Sound record. W. Rabkin. 2,600,573, June 17.
Disk tiller. W. F. Dukes, Jr. 2,597,079, May 20.
Disk tiller, Power-operated. H. H. Zwemke. 2,601,818, July 1.
Disk tiller, Resiliently mounted. H. M. Johnston. 2,616,352, Nov. 4.
Disk to facilitate plow penetration, Rotary. W. D. Drummond. 2,596,991, May 20.
Disk wheel. H. F. Frazer. 2,606,076, Aug 5.
Dismountable case. H. E. E. Holst. 2,582,126, Jan. 8.
Dismounting implement for price tags. P. Hopp. 2,622,913, Dec. 23.
Dispatcher-controlled elevator system. J. Suozzo. 2,591,978, Apr. 8.

Dispenser: *See*—
- Adhesive tape dispenser.
- Adjustable automatic fluid dispenser.
- Artist's color dispenser.
- Automatic roll dispenser.
- Batter dispenser.
- Blade dispenser.
- Book match dispenser.
- Catchup dispenser.
- Cheese dispenser.
- Chewing gum dispenser.
- Cigarette dispenser.
- Cleansing tissue dispenser.
- Coffee dispenser.
- Coin dispenser.
- Condiment dispenser.
- Conductivity controlled dispenser.
- Continuous strip dispenser.
- Controllable spray dispenser.
- Conveyer lubricant dispenser.
- Cream dispenser.
- Cup dispenser.
- Doughnut dough dispenser.
- Draftsman's ink dispenser.
- Electrical coin dispenser.
- Fluid dispenser.
- Folded sheet dispenser.
- Grease dispenser.
- Gummed tape dispenser.
- Hairpin dispenser.
- Hot fudge dispenser.
- Insecticide dispenser.
- Label dispenser.
- Lather dispenser.
- Liquid dispenser.
- Liquid soap dispenser.
- Lotion dispenser.
- Match book dispenser.
- Matchbox dispenser.
- Measuring dispenser.
- Mustard and catsup dispenser.
- Package dispenser.
- Paper cup dispenser.
- Paper dispenser.
- Pie dispenser.
- Portable batter dispenser.
- Portable beverage dispenser.

Dispenser : *See*—Continued.
Powder dispenser.
Pull-out measuring tape dispenser.
Retractable ribbon dispenser.
Roll material dispenser.
Salt dispenser.
Sanitary adhesive tape dispenser.
Sanitary butter dispenser.
Screw actuated piston dispenser.
Self-leveling dispenser.
Sheet dispenser.
Sirup and water dispenser.
Soap dispenser.
Soft soap dispenser.
Spray dispenser.
Tape dispenser.
Tissue dispenser.
Tissue sheet dispenser.
Toilet paper dispenser.
Tooth powder dispenser.
Twine dispenser.
Variable-strength beverage dispenser.
Vertical feed butter dispenser.
Wall bracket supported liquid soap dispenser.
Wax paper dispenser.
Dispenser. W. H. Carr, Jr. 2,613,879, Oct. 14.
Dispenser. S. C. Willis. 2,590,138, Mar. 25.
Dispenser and applicator. W. G. Thompson. 2,590,661, Mar. 25.
Dispenser and applicator, Tape. G. H. Fritzinger. 2,582,980, Jan. 22.
Dispenser and drink mixer. L. Myers. 2,586,980, Feb. 26.
Dispenser and penetrable cartridge therefor, Aerosol. M. L. Folkman. 2,593,552, Apr. 22.
Dispenser and receptacle for cleansing dentures and other articles, Combined. H. Cohn. 2,612,291, Sept. 30.
Dispenser and spreader, Fluent material. R. W. Turner. 2,589,311, Mar. 18.
Dispenser and stopper, Condiment. E. W. Clark. 2,605,024, July 29.
Dispenser and toothbrush supporting means, Combination dentifrice. H. C. Blankenbiller. 2,582,671, Jan. 15.
Dispenser for an inverted container with means for locking said container thereto and a self-closing outlet element. H. W. S. Churchill and C. S. Schofield. 2,605,021, July 29.
Dispenser for canned liquids, Puncturing. H. M. Evans. 2,609,121, Sept. 2.
Dispenser for cartons, Measuring. O. L. Ely. 2,613,856, Oct. 14.
Dispenser for collapsible tube containers. G. Locke. 2,605,932, Aug. 5.
Dispenser for cutting and supporting tape. T. J. Di Cicco. 2,615,517, Oct. 28.
Dispenser for delivering a series of individual containers at one time. A. F. Miller. 2,618,394, Nov. 18.
Dispenser for disinfectants and the like, Plastic. R. W. Titmas. 2,620,097, Dec. 2.
Dispenser for food boxes, Sanitary. J. H. Malachick. 2,589,835, Mar. 18.
Dispenser for horizontally stacked cylindrical articles. B. A. Haydu. 2,623,800, Dec. 30.
Dispenser for individual items. S. P. Hitchings. 2,606,089, Aug. 5.
Dispenser for insect-repellent material. E. A. Eskola. 2,586,761, Feb. 19.
Dispenser for lard and similar semisolids. L. N. Duncan. 2,589,066, Mar. 11.
Dispenser for light-sensitized sheets. C. F. Galloway. 2,594,634, Apr. 29.
Dispenser for medicinal and other powders. D. H. Brooks. 2,622,594, Dec. 23.
Dispenser for nested bags. T. S. Skillman, L. J. Owen, and R. H. McGibbon. 2,622,953, Dec. 23.
Dispenser for pastelike substance having a vaned rotary extruding element. F. L. Eddy. 2,583,365, Jan. 22.
Dispenser for pressure-sensitive tape. T. W. Berridge and H. F. Nordheim. 2,582,813, Jan. 15.
Dispenser for pressure sensitive tape. T. H. Krueger. 2,591,559, Apr. 1.
Dispenser for products packaged in collapsible tubes. R. A. Merullo. 2,587,191, Feb. 26.
Dispenser for rolled paper with automatic holding brake. S. E. Weaklend and L. L. Simpson. 2,589,587, Mar. 18.
Dispenser for sliced bread. F. P. Palmos. 2,595,481, May 6.
Dispenser for viscous fluids, Hand-operated. O. G. Goodson. 2,602,572, July 8.
Dispenser for viscous liquids and valve therefor. J. Jarrett and H. C. Berggren. 2,613,016, Oct. 7.
Dispenser having a valve and plunger mechanism, Liquid soap. O. E. Martin. 2,622,539, Dec. 23.
Dispenser having an inlet and an outlet valve for measuring the quantities dispensed. V. R. Clark. 2,588,206, Mar. 4.
Dispenser having brush operated means for reciprocating the supply container and loosening the material contained therein. W. V. Eaton. 2,580,899, Jan. 1.
Dispenser having brush operated slidable closure, Tooth paste. M. E. Hatcher. 2,622,768, Dec. 23.
Dispenser having pressure jaws and brush holder, Paste and cream tube. R. R. Corson and H. Schlosser. 2,589,058, Mar. 11.
Dispenser having resiliently connected inlet and outlet valves, Takedown liquid measuring. A. G. Berwick. 2,601,359, June 24.
Dispenser having sliding valve for dispensing measured quantities of powder, Tooth powder. M. E. Cook. 2,585,299, Feb. 12.
Dispenser, Including a compressing roller and a pivoted valve element, Tooth paste. M. P. Hawkins. 2,596,683, May 13.
Dispenser, Including a pair of adjacent rollers, Collapsible tube. H. L. Ivins. 2,615,595, Oct. 28.
Dispenser of kitchen articles. E. K. Von Mertens. 2,596,312, May 13.
Dispenser of pasty substances from replaceable inner containers having threaded followers. J. Gabler. 2,605,936, Aug. 5.
Dispenser tube for confectionery on cakes and candies. C. A. Krens. 2,620,756, Dec. 9.
Dispenser with a longitudinal helical partition and a snap-on bottom closure strip, Salt-and-pepper. W. T. Dodson. 2,582,313, Jan. 15.
Dispenser with a reciproating valve having laterally extending bristles, Powder. A. D. Keene, Jr. 2,607,514, Aug. 19.
Dispenser with register having dispensing means operative only after a time interval elapses following completed zero setting of register, Liquid. R. R. Trexler. 2,592,622, Apr. 15.
Dispenser with slidable pressure plates for collapsible tubes. W. P. Halvorsen. 2,613,853, Oct. 14.
Dispenser with tension means for holding the tube in position, Tooth paste. W. H. De Moss. 2,586,922, Feb. 26.
Dispensing and atomizing container. L. D. Reimann. 2,609,235, Sept. 2.
Dispensing and closure device, Foldable. S. Miller. 2,617,563, Nov. 11.
Dispensing apparatus. T. F. Hamilton. 2,599,173, June 3.
Dispensing apparatus. N. O. Loven and J. T. Efford. 2,582,262, Jan. 15.
Dispensing apparatus. R. W. O'Shaughnessy. 2,582,352, Jan. 15.
Dispensing apparatus. E. A. Rudolph. 2,611,327, Sept. 23.
Dispensing apparatus and cartridge therefor. W. P. Peterson. 2,582,156, Jan. 8.
Dispensing apparatus, Bottle. G. F. Forsthoefel and C. H. Newton. 2,587,306, Feb. 26.
Dispensing apparatus, Bottle. E. C. Johnson. 2,585,011-12, Feb. 12.
Dispensing apparatus for carbonated beverages, Drink. H. G. Nissen. 2,612,304, Sept. 30.
Dispensing attachment for collapsible tubes, Including a reciprocating piston. K. A. Garvey. 2,591,145, Apr. 1.
Dispensing apparatus for dispensing measured amounts of beverages, Liquid. H. De Mille. 2,588,217, Mar. 4.
Dispensing apparatus for vending machines. L. W. McOmber. 2,584,726, Feb. 5.
Dispensing apparatus having rate of closing control for the flow contral valve, Liquid. A. G. McNeil. 2,605,930, Aug. 5.
Dispensing apparatus, Liquid. E. J. Svenson. 2,619,911, Dec. 2.
Dispensing apparatus, Popped corn. S. Pinanski. 2,608,004, Aug. 26.
Dispensing apparatus, Sand. B. S. Snow. 2,614,002, Oct. 14.
Dispensing applicator and massaging device. W. C. Pancoast. 2,584,735, Feb. 5.
Dispensing attachment for containers. J. D. Schofield. 2,593,803, Apr. 22.
Dispensing bottle closure. W. E. Schwimmer and L. Maullin. 2,582,566, Jan. 15.
Dispensing cap. T. J. Ryder, Jr. 2,587,388, Feb. 26.
Dispensing cap for collapsible tubes. H. Abrams. 2,598,482, May 27.
Dispensing cap for collapsible tubes. R. P. Wagner. 2,605,026, July 29.
Dispensing cap for containers. T. A. Tronson. 2,597,410, May 20.
Dispensing cap having cam actuated closure. V. Popoff. 2,591,465, Apr. 1.
Dispensing closure. T. M. McDonald. 2,619,266, Nov. 25.
Dispensing closure composed of two telescoping parts relatively movable between two positions by snap action. H. B. Ellefson. 2,618,415, Nov. 18.
Dispensing closure for paper powder containers. H. K. Dickerman and J. N. Brown. 2,585,373, Feb. 12.
Dispensing container. R. H. Casler. 2,581,237, Jan. 1.
Dispensing container. R. C. Goon. 2,602,567, July 8.
Dispensing container. A. E. Marshall. 2,605,933, Aug. 5.
Dispensing container. H. A. Tomarin. 2,616,610, Nov. 4.
Dispensing container. D. Waber and R. Braunstein, Jr. 2,605,892, Aug. 5.
Dispensing container for dusts. D. M. Altiere and R. A. Burton. 2,591,653, Apr. 1.
Dispensing container for granular materials with built-in measuring trap. W. J. Sprucinski. 2,619,264, Nov. 25.
Dispensing cover. E. Beldner. 2,611,516, Sept. 23.
Dispensing device. Y. L. Darnell. 2,591,516, Apr. 1.
Dispensing device. E. W. Miner. 2,606,696, Aug. 12.
Dispensing device and valve assembly therefor. A. T. Phillips. 2,613,017, Oct. 7.
Dispensing device, Beverage. C. F. Jarbeau. 2,613,988, Oct. 14.
Dispensing device, Corner cap. R. P. Phillips, Jr. 2,601,941, July 1.
Dispensing device for calking material and the like. W. A. Sherbondy. 2,602,571, July 8.

Dispensing device for cartridges of calking material and the like. W. A. Sherbondy. 2,602,570, July 8.
Dispensing device for collapsible tubes. L. Vita. 2,596,310, May 13.
Dispensing device for dispensing liquids, semiliquids, and powders. E. Gronemeyer and S. Cherba. 2,585,381, Feb. 12.
Dispensing device for tablets and the like. C. Habicht. 2,589,936, Mar. 18.
Dispensing device for tape. B. D. Morgan. 2,600,904, June 17.
Dispensing device for viscous materials. A. Matlas. 2,618,414, Nov. 18.
Dispensing device for volatile products. J. Henchert. 2,623,785, Dec. 30.
Dispensing device, Gas. L. L. Werner. 2,617,162, Nov. 11.
Dispensing device, Liquid. W. F. Andricks. 2,606,699, Aug. 12.
Dispensing device, Liquid. L. Du Bois. 2,613,851, Oct. 14.
Dispensing device, Paper. J. F. Siplor. 2,597,602, May 20.
Dispensing device, Toilet paper. J. S. Holmes. 2,603,427, July 15.
Dispensing gun, Liquid. D. D. Gregg and P. N. Smith. 2,607,627, Aug. 19.
Dispensing implement, Perfume. M. M. Alexander. 2,615,758, Oct. 28.
Dispensing liquids and apparatus therefor. H. V. Hansen. 2,606,690, Aug. 12.
Dispensing machine. F. O. Johnson. 2,593,151, Apr. 15.
Dispensing machine. W. C. Marsh. 2,601,159, June 17.
Dispensing machine. D. Neidig. 2,623,804, Dec. 30.
Dispensing machine, Beverage. L. Arnett. 2,583,461, Jan. 22.
Dispensing machine, Beverage. B. E. Mills. 2,614,738, Oct. 21.
Dispensing machine, Coin controlled. H. M. Merrill. 2,621,771, Dec. 16.
Dispensing machine, Coin-controlled. D. Neidig. 2,623,622, Dec. 30.
Dispensing machine, Coin-controlled beverage. G. A. H. E. Schulze. 2,601,118, June 17.
Dispensing machine, Fluid. R. W. Johnson. 2,609,982, Sept. 9.
Dispensing machine, Pressure-sensitive tape. A. L. Dixon, H. W. Gore and J. W. Rice. 2,595,060, Apr. 29.
Dispensing machine, Sliced bread. G. O. Guesmer and Catanzano. 2,597,063, May 20.
Dispensing mechanism. R. G. Birr. 2,592,786, Apr. 15.
Dispensing mechanism for cylindrical articles. C. W. Rilse. 2,611,673, Sept. 23.
Dispensing mechanism for planters. C. C. Haas and W. B. Behnen. 2,606,695, Aug. 12.
Dispensing milk container. J. P. Jones. 2,601,399, June 24.
Dispensing package. T. F. Onkey. 2,586,765, Feb. 19.
Dispensing package for interfolded sheet material. H. Nelson. 2,611,482, Sept. 23.
Dispensing spout and closure with adjustable sifter. P. Brooks. 2,618,413, Nov. 18.
Dispensing system, Article. P. L. Law. 2,611,540, Sept. 23
Dispensing tube. S. M. and P. D. Croce. 2,605,018, July 29.
Dispensing unit for slot insulation material. W. F. and H. Weirich. 2,595,375, May 6.
Dispensing unit for soda fountains, Sirup. J. A. Maxwell. 2,603,389, July 15.
Dispensing unit with vented trap, Liquid. J. Harr. 2,582,752, Jan. 15.
Dispensing valve for liquid and gas containers. H. F. Tomasek and F. Zimmer. 2,615,597, Oct. 28.
Dispersing and emulsifying compositions. L. A. Gruenwald. 2,584,123, Feb. 5.
Dispersing high-boiling liquids in gases. H. L. Richardson. 2,598,304, May 27.
Dispersing pigments in film-forming materials. S. Hochberg. 2,581,414, Jan. 8.
Dispersion apparatus. K. S. Valentine. 2,615,697, Oct. 28.
Dispersion method and apparatus. H. Jenett and E. Mittelmann. 2,620,172, Dec. 2.
Dispersion of gaseous treating agents in liquids. C. E. Thorp. 2,606,150, Aug. 5.
Dispersion or dissemination of insecticides, fungicides, weed killers, or the like. E. W. Bateman and W. Fletcher. 2,606,095, Aug. 5.
Dispersions of vinyl chloride resins. G. M. Powell, 3rd, and T. E. Mullen. 2,582,354, Jan. 15.
Dispersions of vinyl chloride resins in plasticizers containing polyglycol methacrylates. S. L. Burt. 2,618,621, Nov. 18.
Displaceable vehicle seat. S. H. Swift. 2,604,925, July 29.
Displacement indicating apparatus. D. W. Blancher. 2,596,361, May 13.
Displacement integrator. D. E. Williamson. 2,608,092, Aug. 26.
Display. M. and E. Ten Hoeve and P. De Korte. 2,608,011, Aug. 26.
Display and delivery device. L. P. Shield. 2,623,641, Dec. 30.
Display and dispensing device. J. M. Caswell. 2,606,665, Aug. 12.
Display and dispensing device. C. V. Hanson, Jr. 2,617,604, Nov. 11.
Display and packaging device for hardware articles. F. Gerson. 2,607,477, Aug. 19.
Display and storage cabinet. E. F. Bjoro. 2,597,435, May 20.
Display apparatus. E. W. Bellis. 2,611,201, Sept. 23.
Display bin assembly. W. G. Stewart. 2,584,755, Feb. 5.
Display binder. E. W. Ericson. 2,595,064, Apr. 29.
Display binder. E. W. Ericson. 2,617,665, Nov. 11.
Display box. H. Whitelaw. 2,581,615, Jan. 8.
Display box with interconnected tray and cover. M. L. Kramer. 2,622,935, Dec. 23.
Display card, Bobby pin. R. K. Weaver and L. E. Thatcher. 2,586,192, Feb. 19.
Display card for taped screws. H. F. Phipard, Jr. 2,599,011, June 3.
Display case. J. E. Steinberg. 2,621,097, Dec. 9.
Display container. V. G. Knudson. 2,606,653, Aug. 12.
Display container. C. W. and E. F. Middleton. 2,591,276, Apr. 1.
Display container. H. L. Myers. 2,593,333, Apr. 15.
Display container. W. J. Tyrseck. 2,586,886, Feb. 26.
Display container. W. J. Tyrseck. 2,609,090, Sept. 2.
Display device. J. H. Beyer. 2,583,926, Jan. 29.
Display device. T. H. Birch. 2,598,755, June 3.
Display device. G. A. and R. B. Bishop and C. E. Jones. 2,596,064, May 6.
Display device. J. C. Burris. 2,584,840, Feb. 5.
Display device L. Cisi and W. Dippel. 2,598,890, June 3.
Display device. J. S. Emmart. 2,603,441, July 15.
Display device. H. and S. Freedman. 2,594,903, Apr. 29.
Display device. F. S. Johnson. 2,618,390, Nov. 18.
Display device. N. R. Junkin. 2,588,635, Mar. 11.
Display device. W. A. Lang. 2,617,550, Nov. 11.
Display device. J. La Rocca. 2,611,572, Sept. 23.
Display device. J. A. MacHarg. 2,614,352, Oct. 21.
Display device. L. S. Naurison. 2,595,972, May 6.
Display device. F. W. Quelle. 2,617,501, Nov. 11.
Display device. D. Rosenthal, R. W. Adler, and J. Nathan. 2,598,019, May 27.
Display device. W. E. Teich. 2,621,429, Dec. 16.
Display device, Collapsible. L. J. Levinson and A. Shebel. 2,591,170, Apr. 1.
Display device, Counter. A. F. Reilly. 2,593,697, Apr. 22.
Display device for illuminated transparencies. J. Lawrence. 2,588,545, Mar. 11.
Display device for merchandise. J. Wallerowitz. 2,584,947, Feb. 5.
Display device, Motion-picture show time. W. W. Harris. 2,596,551, May 13.
Display device, Refrigerated meat. F. J. Petrini. 2,617,266, Nov. 11.
Display device, Shoe. H. Konikoff. 2,586,665, Feb. 19.
Display device with animation, Illuminated. F. Hotchner. 2,586,231, Feb. 19.
Display devices for fur scarves. C. W. Paul. 2,593,049, Apr. 15.
Display form for hosiery. W. J. Cox. 2,588,704, Mar. 11.
Display motor. S. M. Wengel. 2,598,954, June 3.
Display mount. S. L. Goldman. 2,614,353, Oct. 21.
Display or supporting board and attaching parts, Combination. E. J. Heggedal. 2,586,039, Feb. 19.
Display package and mound therefor. G. Harrison. 2,612,989, Oct. 7.
Display package for neckties. W. L. Stensgaard. 2,608,292, Aug. 26.
Display package with transparent wrapper. G. A. Moore. 2,604,983, July 29.
Display positioning device. E. H. Rendich. 2,621,807, Dec. 16.
Display rack. A. L. Zembrosky and J. and H. N. Yampol. 2,606,735, Aug. 12.
Display rack for cigar boxes and similar items, Collapsible. D. Lewis. 2,611,491, Sept. 23.
Display rack for cloth. W. M. Daines. 2,609,999, Sept. 9.
Display reflecting device. H. W. Lee. 2,607,142, Aug. 19.
Display shelf, Collapsible. G. Garland. 2,621,801, Dec. 16.
Display sign. S. W. Rutherford. 2,588,050, Mar. 4.
Display sign and silhouette letter therefor, Changeable. E. Wagner. 2,607,146, Aug. 19.
Display sign and supporting base, Combined. F. S. Mason. 2,600,791, June 17.
Display sign structure. W. A. Martin. 2,610,423, Sept. 16.
Display stand. J. F. Galvin. 2,599,380, June 3.
Display stand. E. W. Hoy. 2,597,731, May 20.
Display stand. R. J. Johnson. 2,615,583, Oct. 28.
Display stand. L. B. Morrison. 2,584,489, Feb. 5.
Display stand. K. A. Schneider. 2,595,002, Apr. 29.
Display system for radar navigation. R. W. Thresher and R. B. Parker. 2,586,743, Feb. 19.
Display system indicating craft position and movement. H. G. Busignies and P. R. Adams. 2,581,358, Jan. 8.
Disposable plastic valve. D. W. Brous. 2,609,974, Sept. 9.
Disposable toilet seat cover. I. Levin. 2,580,563, Jan. 1.
Disposable urinal with liquid trap. M. S. Pearcy. 2,593,051, Apr. 15.
Disposal device. H. W. McPherson. 2,604,633, July 29.
Disposal of radioactive cations. W. S. Ginell. 2,616,847, Nov. 4.

Disproportionation of rosin acids and fatty acids. D. E. Floyd. 2,617,792, Nov. 11.
Dissociation of ammonia. E. F. Rosenblatt and J. G. Cohn. 2,601,221, June 17.
Dissolution of chromium from chromite ores. R. R. Lloyd and W. T. Rawles. 2,601,306, June 24.
Dissolution of titaniferous materials. H. Espenschied. 2,617,724, Nov. 11.
Dissolving and slurrying tank. A. A. Kalinske. 2,603,460, July 15.
Dissolving apparatus. L. B. Johnson and E. Geh. 2,590,541, Mar. 25.
Dissolving soluble solids in liquids. C. H. Ohlwiler. 2,584,910, Feb. 5.
Distance comparator gauge. D. J. Baker. 2,596,519, May 13.
Distance meter. S. G. Å. Baumer. 2,606,367, Aug. 12.
Distance relay protective system. A. R. V. Warrington. 2,584,765, Feb. 5.
Distant control system. J. H. Homrighous. 2,603,780, July 15.
Distant reading liquid reservoir gauge. N. Marcus. 2,593,587, Apr. 22.
Distillation apparatus and method. A. Latham, Jr. 2,589,406, Mar. 18.
Distillation apparatus for refining fats and oils. J. E. Thompson. 2,611,741, Sept. 23.
Distillation column. J. F. Rollins and M. E. Brooks. 2,591,010, Apr. 1.
Distillation column tray construction. C. W. Blazer. 2,619,337, Nov. 25.
Distillation of aluminum from aluminum bearing material. E. Scheuer. 2,622,019, Dec. 16.
Distillation of carbonaceous solids. G. D. Creelman. 2,595,338, May 6.
Distillation of fatty acids. E. A. Lawrence. 2,610,142, Sept. 9.
Distillation of furfural. J. A. Berriman and J. C. Selbie. 2,611,740, Sept. 23.
Distillation of light hydrocarbons. R. Wylie. 2,601,077, June 17.
Distillation of liquid mixtures containing aldehydes and cobalt. A. W. C. Taylor and N. Ackroyd. 2,609,337, Sept. 2.
Distillation of low boiling point liquids. P. L. Kapitza. 2,608,070, Aug. 26.
Distillation of metals. T. R. A. Davey. 2,615,706, Oct. 28.
Distillation of metals. P. Gross. 2,607,675, Aug. 19.
Distillation of nitriles. G. B. Williams. 2,616,838, Nov. 4.
Distillation of oxo alcohols. C. E. Morrell, F. A. Birlbauer and C. S. Carlson. 2,589,018, Mar. 11.
Distillation of oxo alcohols in the presence of intermediate boiling diluents. J. E. Moise, J. S. Anderson, and F. B. Johnson. 2,614,071, Oct. 14.
Distillation of oxygenated organic compounds. C. E. Morrell, C. S. Carlson and P. V. Smith, Jr. 2,588,272, Mar. 4.
Distillation of tar, Continuous. A. Schmalenbach. 2,594,352, Apr. 29.
Distillation of wood carbonization products. C. Coutor. 2,623,845, Dec. 30.
Distillation tower. D. H. Relden. 2,580,646, Jan. 1.
Distilling hydrocarbons. H. E. Sullenger. 2,588,305, Mar. 4.
Distortable fastener. R. J. Miller. 2,585,485, Feb. 12.
Distortion compensating device for facsimile equipment. F. A. Hester. 2,587,617, Mar. 4.
Distortion image device. U. Torricelli. 2,619,870, Dec. 2.
Distortion indicator. O. E. De Lange. 2,618,680, Nov. 18.
Distortion weave fabric structure. I. O. Moberg. 2,613,695, Oct. 14.
Distortionless seismic wave filter. N. H. Ricker. 2,588,291, Mar. 4.
Distributed coincidence circuit. C. E. Wiegand and O. Chamberlain. 2,593,948, Apr. 22.
Distributing device for the charge of shaft furnaces. M. A. Brun and L. F. Sauvage. 2,586,298, Feb. 19.
Distributing solids in gases in catalytic apparatus. J. S. Palmer. 2,586,705, Feb. 19.
Distributing system for bituminous and like material. S. R. Etnyre. 2,599,704, June 10.
Distributing system for telephone calls. P. C. Borel, J. R. A. F. Escande, and M. R. Mauge. 2,617,889, Nov. 11.
Distributing valve. J. D. Robinson. 2,598,605, May 27.
Distribution unit for three-wire systems. R. P. Ballou. 2,623,930, Dec. 30.
Distribution unit for ventilating systems. T. E. McDowell. 2,585,666, Feb. 12.
Distributor. S. D., J. C., and D. A. Alley. 2,593,516, Apr. 22.
Distributor. C. P. Brooks. 2,622,162, Dec. 16.
Distributor. E. F. Haubert. 2,619,556, Nov. 25.
Distributor. J. F. Laffoon. 2,601,534, June 24.
Distributor. F. Nelson. 2,584,907, Feb. 5.
Distributor contact point gauge. J. C. Fisk. 2,583,936, Jan. 29
Distributor control system for liquids. R. B. Ziegler. 2,608,988, Sept. 2.
Distributor for dust and aggregate. R. K. Smith. 2,583,608, Jan. 29.
Distributor for fluid meters. J. G. A. M. J. Meyer. 2,603,971, July 22.
Distributor for loose material. J. H. Holben. 2,614,849, Oct. 21.
Distributor for particulate material. W. B. Hurlburt. 2,623,061, Dec. 30.
Distributor for spraying devices, Rotary. E. O. Norris. 2,587,514, Feb. 26.
Distributor for trickling filters. J. H. Knowles. 2,611,646, Sept. 23.
Distributor for watering plants. M. R. Jordan. 2,588,245, Mar. 4.
Distributor head, Moistureproof. M. Guiot. 2,598,162, May 27.
Distributor, Liquid. C. B. Schneible. 2,597,122, May 20.
Distributor means for pulverized fuel burners. J. J. Ragusan. 2,615,407, Oct. 28.
Distributor of the rotary type. R. B. Carter, Jr. 2,601,430, June 24.
Distributor plate. L. L. Brunk. 2,617,899, Nov. 11.
Distributor, Poultry feed. R. V. Page. 2,617,562, Nov. 11.
Distributor rotor. B. H. Short and J. T. Fitzsimmons. 2,593,205, Apr. 15.
Distributor tube construction. E. Labin. 2,607,903, Aug. 19.
Disubstituted cyanoalkanoylureas and thioureas and their production. V. Papesch and E. F. Schroeder. 2,598,936, June 3.
Disulfide compounds. A. H. Land. 2,584,081, Jan. 29.
Ditch digger. W. E. Sanner and R. W. Decker. 2,590,352, Mar. 25.
Ditch digging attachment for tractors. E. J. Stubr. 2,622,749, Dec. 23.
Ditch smoothing attachment for ditching plows. A. M. and R. Sinner. 2,618,081, Nov. 18.
Ditcher. T. J. Denning. 2,598,514, May 27.
Ditching machine of the boom type, Cable operated sideline. L. B. Babin. 2,609,621, Sept. 9.
Dithiocarbamate-aldehyde condensation polymers. O. Kardos. 2,589,209, Mar. 18.
Dithiophosphate esters as insecticides. E. O. Hook and P. H. Moss. 2,596,076, May 6.
Diuretic mercury compounds. A. Halpern. 2,592,418, Apr. 8.
Divan, Sectional. E. R. Miller. 2,582,555, Jan. 15.
Divergent plate, link supported, mop pressure actuated mop wringer. D. Jenkins. 2,610,348, Sept. 16.
Diversity receiver indicator circuit. A. D. Zappacosta. 2,620,437, Dec. 2.
Diversity receiving system. D. H. Pritchard. 2,600,919, June 17.
Diversity receiving system. B. A. Trevor. 2,619,587, Nov. 25.
Diversity reception. L. R. Kahn. 2,604,586, July 22.
Diverter valve. M. O. Thrush. 2,598,148, May 27.
Diverter valve with O ring seal. F. H. Mueller. 2,621,886, Dec. 16.
Diverting animal forms of life, Method and apparatus for. H. T. Burkey. 2,605,742, Aug. 5.
Divided car seat. E. D. Hadley. 2,591,426, Apr. 1.
Divider attachment for mowers. W. Gaterman, Sr. 2,618,114, Nov. 18.
Divider blade mechanism for materials separating machines. R. H. Johnson. 2,615,571, Oct. 28.
Dividing, generating, and transforming direct current voltages. L. L. Davis. 2,607,815, Aug. 19.
Dividing head for bottle conveyers. J. G. Plank. 2,602,531, July 8.
Diving apparatus. J. Y. Cousteau. 2,593,988, Apr. 22.
Diving apparatus. W. Wiggins, Jr. 2,585,712, Feb. 12.
Diving board. R. G. Larson, Jr. 2,594,459, Apr. 29.
Diving board. W. J. Nightingale. 2,590,563, Mar. 25.
Dockboard. M. Loomis and W. M. Sanderson. 2,592,919, Apr. 15.
Dockage and dust control for grain elevators. C. C. Palmer. 2,617,531, Nov. 11.
Docking light installation for marine craft. J. F. Morse. 2,619,582, Nov. 25.
Doctor blade mechanism. R. R. Richardson and W. H. Edmondson. 2,593,334, Apr. 15.
Doctoring means for gluing rollers. R. Minkow. 2,596,585, May 13.
Document feeding device. W. L. Cuthbert, Jr. 2,614,837, Oct. 21.
Dodecyl, dimethyl, -cinnamyl-ammonium halides. F. S. Crossley. 2,609,393, Sept. 2.
Doffer comb mechanism. G. P. Robinson, Jr. 2,594,497, Apr. 29.
Doffer for cotton pickers. L. A. Paradise. 2,619,784, Dec. 2.
Doffing arrangement for spinning buckets. H. J. McDermott. 2,580,571, Jan. 1.
Doffing mechanism for ring spinning, doubling, and twisting machines. J. J. Haythornthwaite. 2,582,696, Jan. 15.
Dog spindle assembly. F. M. Lambert. 2,610,079, Sept. 9.
Doll. E. Fraysur. 2,616,216, Nov. 4.
Doll. B. Kinberg. 2,596,491, May 13.
Doll and the like. H. Gerbaud. 2,598,781, June 3.
Doll body construction. C. L. Beal. 2,622,369, Dec. 23.
Doll, Burping. M. V. Graham. 2,606,399, Aug 12.
Doll, Dancing. O. V. Dyer. 2,592,669, Apr. 15.

Doll, Dancing. J. R. Zavala. 2,614,362, Oct. 21.
Doll, Extensible. A. Di Læva. 2,623,329, Dec. 30.
Doll eye assembly. J. H. Wilhelm. 2,618,898, Nov. 25.
Doll eye support. G. E. Canham. 2,618,897, Nov. 25.
Doll head and making it. F. D. Moos. 2,620,595, Dec. 9.
Doll head with movable eyes. D. Cohn and C. Kusold. 2,601,741, July 1.
Doll head with movable eyes. C. Kusold. 2,601,742, July 1.
Doll, Jointed. S. Herzog. 2,618,896, Nov. 25.
Doll, Jointed. H. Senior and G. Tomlinson. 2,611,998, Sept. 30.
Doll, Multiple faced. H. Goerditz. 2,584,798, Feb. 5.
Doll, Odor expelling. M. M. Locks and C. D. Gregory. 2,618,892, Nov. 25.
Doll, Rubber skin. D. J. Miller. 2,606,398, Aug. 12.
Doll stand. D. Ippolito. 2,622,835, Dec. 23.
Doll, Walking. H. M. Black. 2,621,443, Dec. 16.
Doll, Walking. M. Riechelson. 2,593,187, Apr. 15.
Doll, Walking and sitting. H. Gerbaud. 2,622,368, Dec. 23.
Doll with movable arms. Y. H. and J. A. Musselwhite. 2,614,365, Oct. 21.
Doll's eye. J. O. Wagner. 2,589,462, Mar. 18.
Dolly and trailer, Detachable. W. S. Gurton and H. Nyberg. 2,590,962, Apr. 1.
Dolly, Flat tire. L. V. Day. 2,608,312, Aug. 26.
Dolly for transporting tractor units, Four-wheeled. F. C. Wilson. 2,608,313, Aug. 26.
Dolly for transporting tripod cameras. R. J. Moludy. 2,613,083, Oct. 7.
Dolly, Trailer. J. L. Frost. 2,608,416, Aug. 26.
Dome lighting fixture. R. G. Nordquist. 2,602,135, July 1.
Dome mounting. R. W. Parker. 2,602,198, July 8.
Dome-shaped roof. R. Stemmons and W. L. Edel. 2,582,723, Jan. 15.
Domestic appliance. R. R. Candor. 2,608,252, Aug. 26.
Domestic appliance. F. H. McCormick. 2,587,187, Feb. 26.
Domestic appliance drive. K. Clark. 2,598,110, May 27.
Domestic autoclave. T. G. Hutchens. 2,622,186, Dec. 16.
Domestic electric furnace. C. L. Ayers and W. M. Murray. 2,600,044, June 10.
Domestic mixing apparatus. R. F. Laurence. 2,584,887, Feb. 5.

Door: *See*—

Adjustable door.
Airplane hangar doof.
Checking cabinet door.
Closed top side door.
Composite fire door.
Flush door.
Folding door.
Furnace door.
Garage door.
Insulated door.
Laterally movable car door.
Laterally movable door.
Load retaining door.
Metal door.
Railway car side door.
Refrigerator door.
Self-adjusting airtight door.
Sliding bulkhead door.
Sliding door.
Telescoping door.
Tilting door.
Vertically slidable vehicle door.
Vision light metal slat rolling door.
Weathertight sliding car door.
Wood core metal-sheathed door.

Door. J. W. Backman. 2,605,869, Aug. 5.
Door. E. T. Ball. 2,608,727, Sept. 2.
Door. H. W. Bascom. 2,607,408, Aug. 19.
Door. P. H. Sherron. 2,584,624, Feb. 5.
Door. J. Sylvan. 2,582,467, Jan. 15.
Door-actuated mailbox signal. T. F. Gensmer. 2,592,555, Apr. 15.
Door and gate latch. F. Dahlinghaus. 2,581,003, Jan. 1.
Door and hinge structure, Oven. H. M. Reeves. 2,592,333, Apr. 8.
Door and screen assembly. N. Lillethorup. 2,604,156, July 22.
Door and window structure for convertible bodies. J. W. J. Ackermans. 2,596,356, May 13.
Door and window trim. L. J. Brew. 2,582,765, Jan. 15.
Door assembly. M. H. Guenther. 2,611,159, Sept. 23.
Door assembly, Tilting. L. V. Robinson. 2,603,842, July 22.
Door brace construction, Adjustable. G. C. Harbison. 2,591,352, Apr. 1.
Doorcase. L. Peters. 2,584,045, Jan. 29.
Door catch, Magnetic. C. E. Schultz. 2,609,221, Sept. 2.
Door check. L. G. Allen. 2,592,230, Apr. 8.
Door check. H. V. Miller. 2,584,903, Feb. 5.
Door check and closer. C. Goderez. 2,596,076, May 13.
Door check and hold open. N. E. Putnam. 2,580,593, Jan. 1.
Door check and holding device. E. L. Allen. 2,603,820, July 22.
Door check and the like. J. G. Knipe. 2,602,181, July 8.
Door check mechanism. M. Carlson. 2,585,625, Feb. 12.
Door check mechanism. M. Carlson. 2,603,818, July 22.
Door check mechanism. G. H. Logan. 2,598,926, June 3.
Door closer. R. S. Sanford and P. F. Simpson. 2,607,948, Aug. 26.
Door closer. H. A. Simpson. 2,585,413, Feb. 12.
Door closer. B. H. Woodruff. 2,586,135, Feb. 19.
Door closing and locking means for coal cars. C. J. Koranda. 2,609,758, Sept. 9.
Door closure. L. Davidson. 2,586,792, Feb. 26.
Door construction. O. C. Eckel. 2,619,167, Nov. 25.
Door construction. C. B. Huizenga. 2,610,369, Sept. 16.
Door construction. J. Nothdurft. 2,595,975, May 6.
Door construction, Cabinet. B. J. Triller, 2,607,087, Aug. 19.
Door construction, Folding vehicle. J. F. Jordan. 2,581,797, Jan. 8.
Door construction for animal shipping crates. A. L. Williams. 2,608,248, Aug. 26.
Door construction, Refrigerator. R. Saunders. 2,607,086, Aug. 19.
Door construction, Sidewalk. J. W. Gruse. 2,582,540, Jan. 15.
Door construction, Two-way bulkhead. C. J. Roos. 2,622,283, Dec. 23.
Door controller. T. B. Ramsey and E. S. Gray. 2,595,291, May 6.
Door controlling mechanism. O. W. Wood. 2,598,958, June 3.
Door drive system. G. F. Richards. 2,588,880, Mar. 11.
Door fastener. R. W. Beadle. 2,588,077, Mar. 4.
Door for refrigerator cars. A. F. O'Connor. 2,612,659, Oct. 7.
Door for refrigerator cars. A. F. O'Connor. 2,614,294, Oct. 21.
Door for truck bodies. C. F. Hagerup. 2,592,027, Apr. 8.
Door for vehicles. E. H. Hickling, F. Cheffings, and W. Butlin. 2,604,162, July 22.
Door for vehicles. E. H. Hickling, F. Cheffings, and W. Butlin. 2,615,514, Oct. 28.
Doorframe. J. Raskin. 2,589,864, Mar. 18.
Doorframe construction, Pressed steel. J. R. Montgomery. 2,601,164, June 17.
Door frame for railway hopper cars. W. E. Wine. 2,589,468, Mar. 18.
Door frame mounting. C. Olsaan. 2,611,932, Sept. 30.
Doorframe trimming device, Unitary. R. S. Ferrara. 2,599,244, June 3.
Door frame with adjustable head. A. Kahn. 2,619,687, Dec. 2.
Door-gasket corner cutting tool. O. Altieri. 2,582,736, Jan. 15.
Door handle. G. V. Jakeway. 2,610,080, Sept. 9.
Door handle and lock shield, Automobile. M. V. King. 2,585,331, Feb. 12.
Door handle construction, Knob equipped. P. S. Winn. 2,592,095, Apr. 8.
Door handle mounting. G. V. Jakeway. 2,593,677, Apr. 22.
Door handle removing tool. G. A. Daoust. 2,618,847, Nov. 25.
Door hanger. M. R. Spence and N. O. A. Hayman. 2,618,808, Nov. 25.
Door having center support, Load retaining. L. Weiss. 2,581,991, Jan. 8.
Door hinge. M. J. Goulooze. 2,620,508, Dec. 9.
Door hinge. R. T. Keating. 2,620,509, Dec. 9.
Door hinge, Adjustable. T. A. Lowman. 2,588,258, Mar. 4.
Door hinge and check. L. Kennon. 2,588,010, Mar. 4.
Door hinge check. C. H. Wummel and E. V. Dubowski. 2,586,757, Feb. 19.
Door hinge operated switch. J. W. Lilley. 2,620,411, Dec. 2.
Door hinge, Waterproof. P. C. Helz. 2,618,010, Nov. 18.
Door holder. E. H. Wingate, Jr. 2,606,053, Aug. 5.
Door installation and operating means, Vertically reciprocating. C. E. Schlytern. 2,607,586, Aug. 19.
Door jamb, Adjustable. J. W. Backman. 2,595,506, May 6.
Door jamb metal reinforcement. R. M. Young. 2,616,531, Nov. 4.
Doorknob and lock set with inaccessible fastenings. R. C. Cerf, Jr. 2,622,431, Dec. 23.
Doorknob attachment. E. W. Broscoe. 2,587,285, Feb. 26.
Doorknob construction. S. J. Cronin. 2,601,596, June 24.
Doorknob construction. H. Young. 2,615,745, Oct. 28.
Doorknob lock and latch set of the turn-button spindle locking type. R. C. Cerf, Jr. 2,618,955, Nov. 25.
Doorknob spindle releasing means. R. C. Cerf, Jr. 2,593,264, Apr. 15.
Doorknob with bottle opener. P. Krupin. 2,608,889, Sept. 2.
Door latch. D. Acocello. 2,596,003, May 6.
Door latch. J. A. Buck. 2,621,954, Dec. 16.
Door latch. S. R. Fraim. 2,598,526, May 27.
Door latch. C. O. Goserud. 2,613,971, Oct. 14.
Door latch. S. A. Harkleroad. 2,606,782, Aug. 12.
Door latch. N. Kulbersh. 2,593,573, Apr. 22.
Door latch. B. A. Quinn. 2,604,344, July 22.
Door latch. A. Sorenson. 2,589,637, Mar. 18.
Door latch and adjustable keeper. A. R. Mitchell. 2,609,224, Sept 2.
Door latch for vehicles, Safety. E. Hodaly. 2,589,809, Mar. 18.
Door latching and locking units. H. H. Welsh and G. A. Besaw. 2,592,774, Apr. 15.

Door latching and starting apparatus. L. F. Schoelkopf. 2,601,983, July 1.
Door latching mechanism. F. A. Melzer. 2,598,582, May 27.
Door lock. J. P. Beelaerts van Blokland. 2,589,749, Mar. 18.
Door lock. R. C. Clark. 2,612,771, Oct. 7.
Door lock. E. D. Dall. 2,582,237, Jan. 15.
Door lock. E. D. Dall. 2,582,923–4, Jan. 15.
Door lock. E. D. Dall. 2,582,927–8, Jan. 15.
Door lock. T. C. Dingman. 2,581,838, Jan. 8.
Door lock. W. Floyd. 2,584,088, Jan. 29.
Door lock. F. McConnell. 2,620,646, Dec. 9.
Door lock. J. H. Roethel. 2,603,516, July 15.
Door lock. J. H. Roethel. 2,604,345, July 22.
Door lock. R. H. Wise. 2,608,429, Aug. 26.
Door locking astragal. K. P. Tschaepe. 2,610,368, Sept. 16.
Door mat for automobiles, Automatic. J. L. Shuck. 2,583,894, Jan. 29.
Door mounting. T. J. McClure. 2,596,706, May 13.
Door mounting. W. A. Smith. 2,601,565, June 24.
Door mounting mechanism. M. G. Bundy. 2,617,155, Nov. 11.
Door opener, Automatic. J. J. Gatesy. 2,591,693, Apr. 8.
Door opener, Car. O. E. Gonzales. 2,603,482, July 15.
Door opening detector device. E. B. Lewis. 2,621,998, Dec. 16.
Door operating device. C. S. Davidson. 2,619,345, Nov. 25.
Door operating device. W. F. Weathers. 2,619,346, Nov. 25.
Door operating device, Electric overhead. J. N. McNinch. 2,588,028, Mar. 4.
Door operating mechanism. M. M. Matchett. 2,605,100, July 29.
Door operation and control. J. H. Vander Veer and C. W. Bassett. 2,606,022, Aug. 5.
Door operation control. C. W. Bassett. 2,613,076, Oct. 7.
Door operator. G. A. Curtis. 2,589,479, Mar. 18.
Door operator. F. J. Warner. 2,593,710, Apr. 22.
Door operator, Automatic. G. A. Curtis. 2,589,480, Mar. 18.
Door operator for doghouses. G. Blatchford. 2,583,354, Jan. 22.
Door operator, Garage. G. A. Curtis. 2,589,478, Mar. 18.
Door operator, Overhead garage. H. H. Hall. 2,612,371, Sept. 30.
Door or closure. G. E. O'Hearn, Jr., and H. D. Hach. 2,598,419, May 27.
Door or window frame. A. J. Smith. 2,586,102, Feb. 19.
Door organization with pressure release, Balanced. W. S. Bates. 2,581,783, Jan. 8.
Door pivot. D. J. Seaman. 2,603,825, July 22.
Door post and tie strap anchor. W. F. Dietrichson. 2,583,257, Jan. 22.
Door pull. G. E. Curtiss, Jr. 2,616,122, Nov. 4.
Door pull and catch, Rotary. A. Colonna. 2,615,744, Oct. 28.
Door pull, Recessed. E. F. Bacon, C. S. Comey, and M. F. Saxton. 2,603,821, July 22.
Door pull-to and armrest, Combination. E. G. Wettlaufer. 2,601,677, June 24.
Door safety catch, Laterally movable. C. Lute. 2,587,348, Feb 26.
Door, sash and the like. W. Johnson. 2,609,573, Sept. 9.
Door seal construction. A. L. Higble. 2,603,528, July 15.
Door seal construction. A. L. Higble and C. A. Stamm. 2,588,628, Mar. 11.
Door sealing device. H. M. Dodge. 2,607,091, Aug. 19.
Door sealing structure. W. A. Close. 2,592,861, Apr. 15.
Doorsill seal. B. E. Hornor, Jr. 2,604,677, July 29.
Doorsill seal, All-weather. S. T. Oswald. 2,617,161, Nov. 11.
Doorsill seal, All-weather. J. Watson, S. T. Oswald, and S. S. Watkins. 2,602,973, July 15.
Doorstop. W. Desy. 2,617,140, Nov. 11.
Doorstop. F. W. Ofeldt. 2,602,201, July 8.
Door stop mechanism. E. Schwarzkopf. 2,592,073, Apr. 8.
Door structure, Tiltable. J. Wieland. 2,602,969, July 15.
Door support and clamp, Cam-actuated. R. H. Hartwell. 2,619,137, Nov. 25.
Door support for pressure vessels. W. H. Zollinger. 2,596,354, May 13.
Door supporting clamp. J. R. Dodson. 2,583,256, Jan. 22.
Door switch. R. C. Woofter. 2,606,980, Aug. 12.
Door wicket. A. Bloom. 2,581,234, Jan. 1.
Door window and panel fitting gauge. G. W. Dunn. 2,603,880, July 22.
Door with closing and protecting assembly. D. Bailey. 2,593,403, Apr. 22.
Door with slat therefor having windows, Rolling. R. H. Greegor. 2,592,888, Apr. 15.
Doppler radar system. R. H. Dicke. 2,611,125, Sept. 16.
Doppler traffic control system. R. L. Rather, Jr., and H. O. Lorenzen. 2,620,470, Dec. 2.
Dose time indicator. H. A. Guion and E. Arnold. 2,587,147, Feb. 26.
Dosimeter. A. O. Beckman, H. H. Herd, and A. D. Robinson. 2,613,327, Oct. 7.
Double-acting hot-gas engine having at least three closed thermodynamic cycles. F. L. van Weenen. 2,616,245, Nov. 4.
Double-acting hydraulic jack. R. J. Steinhoff. 2,584,820, Feb. 5.
Double-acting plunger press. H. W. Guettler. 2,587,997, Mar. 4.
Double-acting wood wool machine. E. A. A. Humelin. 2,605,793, Aug. 5.
Double action letoff. H. Emond. 2,619,126, Nov. 25.
Double-beam optical system applicable to spectrometers and other instruments. L. S. Backhouse, 2,604,810, July 29.
Double-calcination process of preparing an alumina-platinum-halogen catalyst. V. Haensel. 2,606,878, Aug. 12.
Double check quick filler valve. C. O. Henneman. 2,590,408, Mar. 25.
Double container. M. E. Mayer. 2,611,499, Sept. 23.
Double countershaft transmission. H. T. Youngren and S. V. Hettinger, Jr. 2,599,801, June 10.
Double countershaft transmission. H. T. Youngren and S. V. Hettinger, Jr. 2,612,787, Oct. 7.
Double-deck holder. E. E. Edwards. 2,603,168, July 15.
Double-decked stock truck cooling and ventilating system. H. L. McGan. 2,612,027, Sept. 30.
Double-diameter indicator gauge. E. R. Joynes. 2,604,701, July 29.
Double end turning machine. A. E. Drissner. 2,608,415, Aug. 26.
Double-ended journal air bearing. G. S. Perkins, P. R. Vogt, and R. R. Weber. 2,597,371, May 20.
Double-faced scare-bird owl. J. R. Swisher and J. A. Soules. 2,582,514, Jan. 15.
Double finish drawing die. J. H. Pfeiffer and D. A. Barry. 2,616,127, Nov. 4.
Double float-valve device. S. Greening. 2,602,464, July 8.
Double glazed panel. K. R. G. Fish and R. T. Gent. 2,620,522, Dec. 9.
Double grip collet-type chuck. E. R. Smith. 2,585,510, Feb. 12.
Double-impregnation method of producing a pelleted catalyst. W. F. Engel. 2,592,016, Apr. 8.
Double knothead twiner. H. P. Wilson. 2,599,597, June 10.
Double-lockout interconnecting system. E. Bruce. 2,594,389, Apr. 29.
Double nose coil spring. W. E. Wunderlich. 2,593,953, Apr. 22.
Double pole snap switch. H. M. Dressel. 2,618,714, Nov.
Double pulse generator. W. E. Frye. 2,589,240, Mar. 18.
Double rolling attachment for printing presses. D. S. Harnly, Jr. 2,584,266, Feb. 5.
Double rotary jet pump. W. J. Conery. 2,603,157, July 15.
Double row roller bearing. A. G. F. Wallgren. 2,586,406, Feb. 19.
Double row roller bearing. A. G. F. Wallgren. 2,615,767, Oct. 28.
Double row roller bearing. A. G. F. Wallgren. 2,622,947, Dec. 23.
Double shelf bracket. B. G. Setvate. 2,588,995, Mar. 11.
Double siphon. F. de Encico y Carnerero. 2,612,903, Oct. 7.
Double sulfate of sodium and zirconium and product resulting therefrom, Making. M. Kastner. 2,604,378, July 22.
Double-throw clamp tight switch. A. S. Caswell. 2,582,745, Jan. 15.
Double toggle gasket. W. C. Frehse. 2,609,070, Sept. 2.
Double tube trocar device. H. Harms. 2,604,685, July 29.
Double twist spindle. R. S. iley. 2,620,617, Dec. 9.
Double type of high chair. M. Foley. 2,604,929, July 29.
Double V stud section. S. Macomber. 2,610,711, Sept. 16.
Double winding for horological movements. F. Meyer. 2,620,619, Dec. 9.
Double wrapping die mechanism for cigar wrapping machines. W. J. Giles. 2,613,674, Oct. 14.
Douche nozzle. N. L. Watt and H. F. Fehlberg. 2,610,627, Sept. 16.
Dough cutting and spreading machine. P. Kellner. 2,619,052, Nov. 25.
Dough cutting machine. O. M. Clinton. 2,623,479, Dec. 30.
Dough divider. J. E. Pointon. 2,609,765, Sept. 9.
Dough divider for bakeries. C. D. Rice. 2,619,051, Nov. 25.
Dough kneader. B. Abruscato. 2,620,754, Dec. 9.
Dough mixer with dough gripping and refrigerated wall. M. A. Stiedber. 2,593,705, Apr. 22.
Dough molding and dough sheeting material. E. M. Crosland and J. F. Naylor. 2,615,404, Oct. 28.
Dough molding and the like machine. J. F. Naylor. 2,596,277, May 13.
Dough panning machine, Automatic. H. C. Rhodes. 2,590,823, Mar. 25.
Dough ring cutting machine. A. J. Bale, Jr. 2,612,853, Oct. 7.
Dough rolling apparatus. F. A. Anetsberger and D. H. Whitehead. 2,621,613, Dec. 16.
Dough shaper. M. M. Hammeratein. 2,616,376, Nov. 4.
Dough shaping machine. R. K. Wagoner. 2,596,313, May 13.
Dough sheeting roll. H. C. Rhodes. 2,586,089, Feb. 19.

Doughnut baking machine. J. Morley. 2,620,723, Dec. 9.
Doughnut cutter. W. A. Van Campen. 2,610,590, Sept. 16.
Doughnut dough dispenser. E. H. Nagel and A. O. Hubbell. 2,608,940, Sept. 2.
Doughnut former, Automatic. E. J. Roth. 2,600,075, June 10.
Doughnut forming gun. L. Bosa. 2,604,858, July 29.
Doughnut forming machine. J. C. Lunsford. 2,595,865, May 6.
Doughnut machine. F. W. Corbett. 2,590,157, Mar. 25.
Doughnut machine. J. C. Lunsford. 2,595,866, May 6.
Doughnut maker. S. J. Popeil. 2,599,012, June 3.
Dovetail construction. B. J. Craig. 2,613,097, Oct. 7.
Dovetailing attachment. F. H. Gillespie, H. C. Lucas and D. P. Motta. 2,607,375, Aug. 19.
Dovetailing machine. R. H. Weisner. 2,606,581, Aug. 12.
Dowel bar and joint sealing strip construction. J. E. Carter. 2,590,933, Apr. 1.
Dowel bar installing device. F. D. Carnes. 2,596,206, May 13.
Dowel cutting head. H. S. Newton. 2,584,492, Feb. 5.
Dowel structure. E. J. Webb. 2,589,464, Mar. 18.
Doweling jig. F. A. Volz. 2,583,283, Jan. 22.
Downdraft hot-air furnace. J. H. Beauchamp. 2,603,208, July 15.
Draft adjustment means for tractor pulled implements. F. M. Fraga. 2,618,211, Nov. 18.
Draft connection. E. P. Kinne. 2,589,264, Mar. 18.
Draft control. E. A. Field, Jr. 2,581,757, Jan. 8.
Draft control. W. B. Stephenson. 2,593,808, Apr. 22.
Draft control. O. E. Wadenstein. 2,612,319, Sept. 30.
Draft control for heating apparatus. A. H. Ziph. 2,604,887, July 29.
Draft coupling. R. E. Hawkins and G. E. Spaulding. 2,583,840, Jan. 29.
Draft device for increasing the loading on tractor wheels. J. L. O'Neill. 2,592,592, Apr. 15.
Draft fastener. J. J. Nelson. 2,607,604, Aug. 19.
Draft frame. N. R. Krause. 2,596,902, May 13.
Draft gear. R. B. Cottrell. 2,588,703, Mar. 11.
Draft gear. W. J. Preising and R. E. Stutske. 2,611,303, Sept. 23.
Draft head for refuse burners. C. H. Sparks and F. C. Turner. 2,608,169, Aug. 26.
Draft hood for combustion apparatus. G. A. Tuck. 2,622,589, Dec. 23.
Draft key retainer adapter. E. P. Smith. 2,605,908, Aug. 5.
Draft key retainer lock. E. P. Smith. 2,605,669, Aug. 5.
Draft operated combustion air inlet control device for combustion apparatus. P. S. Martin. 2,604,090, July 22.
Draft regulator. C. S. Greer, Jr. 2,619,286, Nov. 25.
Draft regulator. H. Hopton and L. T. Wahlstrom. 2,588,239, Mar. 4.
Draft rigging. H. J. Lounsbury. 2,596,262, May 13.
Draft rigging key. W. A. Byrd. 2,605,667, Aug. 5.
Drafting apparatus of textile spinning and analogous machines. J. B Arundale and J. J. Haythornthwaite. 2,597,278, May 20.
Drafting board. M. P. Hite. 2,614,360, Oct. 21.
Drafting lead point shaper. E. H. Rocks. 2,614,534, Oct. 21.
Drafting machine. A. L. Baker. 2,611,184, Sept. 23.
Drafting machine. F. E. Vaughan. 2,612,694, Oct. 7.
Drafting system for textile fibers. E. R. Goshawk. 2,621,373, Dec. 16.
Drafting table or the like, Pedestal. A. S. Murray. 2,601,998, July 1.
Draftsman's ink dispenser. F. I. Goodenow and J. F. Goodenow, Jr. 2,594,638, Apr. 29.
Drag bit. A. Arutunoff. 2,587,429, Feb. 26.
Drag bucket. G. G. Morin. 2,610,753, Sept. 16.
Drag hook. K. M. Rooker. 2,605,129, July 29.
Dragline ripper. G. Uotila and J. W. Sandusky. 2,610,047, Sept. 9.
Dragging equipment detector for railroads. G. H. Dryden. 2,581,084, Jan. 1.
Dragging equipment detector signaling system for railroads. J. J. Jacobus. 2,581,108, Jan. 1.
Drain. E. Hoerner. 2,591,432, Apr. 1.
Drain baffle in refrigerating apparatus. L. A. Philipp. 2,606,425, Aug. 12.
Drain cleaning device. R. R. Fulton. 2,583,694, Jan. 29.
Drain closure unit. O. F. Couchot. 2,589,540, Mar. 18.
Drain digger and cleaner. H. Barras. 2,615,263, Oct. 28.
Drain for floating roof tanks. F. D. Moyer. 2,601,316, June 24.
Drain hose. G. P. Johnson. 2,622,900, Dec. 23.
Drain mounting and sealing arrangement. G. C. Harbison. 2,582,031, Jan. 8.
Drain pan attachment for cooking vessels. W. H. Lonskey, Sr. 2,614,482, Oct. 21.
Drain trap. H. W. Carrier. 2,603,304, July 15.
Drain trap scraping and cleaning means. D. B. Mayberry. 2,610,696, Sept. 16.
Drain valve. R. R. Curtis. 2,584,188, Feb. 5.
Drain valve. K. Parker. 2,585,675, Feb. 12.
Drain valve. J. W. Richards and B. G. Harris. 2,612,904, Oct. 7.
Drain valve. V. P. Steele. 2,597,399, May 20.
Drainage receptor. S. P. Zaetz. 2,585,716, Feb. 12.
Drainage valve. M. Dach. 2,598,361, May 27.
Draining probe. I. Merenlender. 2,616,429, Nov. 4.
Drape rod hanging means. F. X. Ganter. 2,603,284, July 15.
Drape separating hanger. L. L. Ringler. 2,595,887, May 6.
Drapery control unit. W. L. Carter. 2,593,263, Apr. 15.
Drapery cornice dust board mounting. H. J. Ault. 2,602,499, July 8.
Drapery fitting. J. B. Krajewski. 2,606,733, Aug. 12.
Drapery hanging assembly. J. S. and W. C. Vance. 2,607,412, Aug. 19.
Drapery heading. J. Bernhard. 2,599,429, June 3.
Drapery hook. D. J. Handley. 2,623,583, Dec. 30.
Drapery mounting. A. E. Latham. 2,618,328, Nov. 18.
Drapery pleating. D. R. Falkenberg. 2,609,873, Sept. 9.
Drapery shaper. A. C. Anderson. 2,621,728, Dec. 16.
Drapery suspending device. G. B. Davis, Jr. 2,602,205, July 8.
Drapery track and roller assembly. C. S. Charron and A J Garvin. 2,597,224, May 20.
Draping means for curtains. B. Jitomir. 2,622,675, Dec. 23.
Drastic oxidation products of unsaturated fatty acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,389, Jan. 8.
Drawbar and support, Combination. S. E. Hill. 2,580,545, Jan. 1.
Draw bar control. E. T. Davis. 2,599,617, June 10.
Drawbar for harrows, Folding. A. L. Rogers. 2,597,533, May 20.
Drawbar operable transmission mechanism. J. E. Tom. 2,591,746, Apr. 8.
Drawbar stay for tractors. L. E. Hadlock. 2,617,660, Nov. 11.
Drawbench. J. W. Offutt. 2,598,190, May 27.
Drawbench. D. V. Strock. 2,607,474, Aug. 19.
Drawbench arm mechanism. W. E. Kerr. 2,605,890, Aug. 5.
Drawbench unloading arm mechanism. M. W. Mahns. 2,596,340, May 13.
Draw hook with lock cap for trailers. E. Wirz. 2,591,487, Apr. 1.
Draw-off cock and temperature compensated conductivity cell for distilled water. R. L. Jewell. 2,621,235, Dec. 9.
Drawoff tap for liquid-containing cartons. T. H. Daniels. 2,585,538, Feb. 12.
Drawplate made of removable elements for the mass production of various ceramic ware. R. Martin. 2,605,532, Aug. 5.
Drawer. C. C. White. 2,622,956, Dec. 23.
Drawer construction. W. A. Brewer. 2,587,691, Mar. 4.
Drawer fixture. G. E. Lundberg. 2,594,571, Apr. 29.
Drawer for refrigerators, Frozen food. R. E. Patten. 2,613,123, Oct. 7.
Drawer for typewriters, including elevating typewriter supports. C. H. Ristenpart and J. F. Detmayer. 2,588,163, Mar. 4.
Drawer front shaping and grooving machine. F. H. Gillespie. 2,593,745, Apr. 22.
Drawer hook. J. W. Stringe. 2,597,684, May 20.
Drawer pull. R. C. Seyforth. 2,608,712, Sept. 2.
Drawer pull gauge. D. Riddle. 2,582,606, Jan. 15.
Drawer skid for sink cabinets and base cabinets. L. G. Buchy and H. Marion. 2,606,091, Aug. 5.
Drawer slide. G. B. Kurtzon. 2,614,022, Oct. 14.
Drawer suspension. C. W. Straubel. 2,606,090, Aug. 5.
Drawer suspension. W. E. Woodin. 2,600,598, June 17.
Drawing board attachment. J. Schwefel. 2,603,908, July 22.
Drawing board clamp. E. Soref. 2,610,435, Sept. 16.
Drawing device. E. Jahncke. 2,583,334, Jan. 22.
Drawing fine fibers, Method and apparatus for. E. R. Powell. 2,605,499, Aug. 5.
Drawing frame assembly. R. B. Newton. 2,593,478, Apr. 22.
Drawing material. M. S. Schnell. 2,602,411, July 8.
Drawing mechanism for spinning machines. H. Lohfert, H. Gänsicke, and H. Bade. 2,623,346, Dec. 30.
Drawing mechanism for spinning machines. W. Stahlecker, 2,601,705, July 1.
Drawing mechanism for textile fibers. S. R. Walsh. 2,582,213, Jan. 8.
Drawing metal. J. A. Henricks. 2,588,234, Mar. 4.
Drawing of synthetic funicular structures, Method and apparatus for the. H. F. Hume. 2,611,923, Sept. 30.
Drawing off and discharging the hosiery in flat weft knitting frames and frames, designed for carrying out the method. J. Václavík and O. Bayer. 2,622,422, Dec. 23.
Drawing tubes. W. E. Kerr. 2,597,499, May 20.
Drawn poultry carcasses, Preparation of. S. S. Still. 2,613,391, Oct. 14.
Dredging apparatus. C. Wildi. 2,619,844, Dec. 2.
Dredging machine, Hydraulic. H. K. Dunning. 2,599,980, June 10.
Dress. M. M. Mettler. 2,582,643, Jan. 15.
Dress, Easily opened child's. Erma R. Killeen. 2,617,991, Nov. 18.
Dress forms, Making. E. Nyberg. 2,610,773, Sept. 16.
Dressmaker's form and basic pattern, Sectionalized. L. Cella. 2,605,029, July 29.
Dress separator for wardrobe trunks or suitcases. J. Staffa. 2,613,769, Oct. 14.

Dressing device for grinding wheels. M. Hrankowski. 2,591,434, Apr. 1.
Dressing grinding wheels, Method and apparatus for. E. Wildhaber. 2,587,261, Feb. 26.
Dressing room, Collapsible and portable. H. Treppa. 2,612,900, Oct. 7.
Dried eggs, Preparation of. L. Kline and T. T. Sonoda. 2,610,918, Sept. 16.
Dried honey-milk product. B. H. Webb and G. P. Walton. 2,621,128, Dec. 9.
Drier: *See*—
Air drier.
Automatic gas drier.
Bulkhead drier.
Closet drier.
Clothes drier.
Coal drier.
Continuous-type spaghetti drier.
Drum-type glossy print drier.
Egg drier.
Electrically heated drier.
Elevating clothes drier.
Folding clothes drier.
Garment drier.
Grain drier.
Hair drier.
Laundry drier.
Paper machine drier.
Seed drier.
Self-sterilizing hair drier.
Sock drier.
Tenter drier.
Tumbler clothes drier.
Drier. F. W. Grantham. 2,604,313, July 22.
Drier. M. M. Hurst. 2,592,902, Apr. 15.
Drier. W. L. Kauffman, II. 2,583,850, Jan. 29.
Drier. W. L. Kauffman, II. 2,623,299, Dec. 30.
Drier. O. D. Murray. 2,617,203, Nov. 11.
Drier. C. S. O'Neil. 2,587,646, Mar. 4.
Drier. C. S. O'Neil. 2,589,284, Mar. 18.
Drier. C. S. O'Neil. 2,608,769, Sept. 2.
Drier. A. L. Reiter and J. J. Haverstock. 2,611,976, Sept. 30.
Drier and disintegrator, Rotary. A. K. Brown. 2,595,509, May 6.
Drier and sterilizer. B. O. Goodin. 2,595,242, May 6.
Drier attachment, Washing machine. N. G. Tucker. 2,608,003, Aug. 26.
Drier device for boots and the like. R. E. Darbo. 2,614,337, Oct. 21.
Drier for footwear. H. B. Mann. 2,617,204, Nov. 11.
Drier for slashers. G. L. Ball. 2,596,358, May 13.
Drier for warp, Air. E. M. Holt. 2,583,427, Jan. 22.
Drier mechanism for envelope machines. V. E. Heywood. 2,604,829, July 29.
Drier or cooler, Rotary. J. L. Erisman. 2,581,756, Jan. 8.
Drier roll. W. Westphal. 2,582,365, Jan. 15.
Dry breading and batter mixes. D. K. Tressler and P. T. Breithaupt. 2,623,825, Dec. 30.
Dry cell. A. P. Drummond. 2,580,604, Jan. 1.
Dry cell. P. A. Marsal. 2,605,298, July 29.
Dry cell and dry battery produced thereof. L. Hoke. 2,623,082, Dec. 23.
Dry cell and separator therefor. J. J. Coleman. 2,598,226, May 27.
Dry cell assembly. E. C. Pitzer. 2,607,809, Aug. 19.
Dry cell seal closure. V. A. Lee. 2,592,439, Apr. 8.
Dry cell with improved thermoplastic seal. A. W. Simpson. 2,611,793, Sept. 23.
Dry cleaning apparatus. J. Longmuir. 2,598,571, May 27.
Dry cleaning method and apparatus. J. T. Lascari. 2,614,026, Oct. 14.
Dry cleaning washer. A. F. Widigen. 2,603,297, July 15.
Dry cooling cabinet. C. C. Turquette, Jr., and R. Gale. 2,601,765, July 1.
Dry dock. Side-haul railway. J. S. Crandall. 2,590,689, Mar. 25.
Dry drilling of diamonds and the like. C. G. Peters and F. K. Harris. 2,622,581, Dec. 23.
Dry gas meter with drainage means. E. Butterworth. 2,619,838, Dec. 2.
Dry gas meter with two bellows and two measuring chambers. O. Leroy. 2,619,940, Dec. 2.
Dry ice manufacture. W. H. Rupp. 2,608,838, Sept. 2.
Dry mix. E. B. Jaeger. 2,611,704, Sept. 23.
Dry mop cleaning apparatus. N. Feinen. 2,623,230, Dec. 30.
Dry pipe valve. W. B. Griffith. 2,597,474, May 20.
Dry pipe valve. A. C. Rowley. 2,586,720, Feb. 19.
Dry printing and developing machine. F. O. Trump. 2,589,748, Mar. 18.
Dry process for agglomerating wood particles. S. Glaubert. 2,587,992, Mar. 4.
Dry process for making composite consolidated products with controlled presteaming of the raw materials. E. G. Hallonquist. 2,581,654, Jan. 8.
Dry process manufacture of water-soluble derivatives of styrene-maleic anhydride type heteropolymers. A. H. Bowen. 2,607,762, Aug. 19.
Dry quenching coke. E. V. Harlow. 2,581,409, Jan. 8.
Dry rendering of sewer grease. N. E. Fazenbaker. 2,584,795, Feb. 5.
Dry seal gas holder. J. W. Allen. 2,606,824, Aug. 12.
Dry seal pressure type gasholder. J. H. Wiggins. 2,583,981, Jan. 29.
Dry seal pressure type gasholder. J. H. Wiggins. 2,585,203, Feb. 12.
Dry seal pressure type gasholder. J. H. Wiggins. 2,600,717, June 17.
Dry shaver. R. M. Hvid. 2,592,146, Apr. 8.
Dry shaver. G. Silverstein. 2,601,722, July 1.
Dry-shaving apparatus. R. Keblusek. 2,601,719, July 1.
Dry shaving apparatus. L. O'Russa. 2,598,292, May 27.
Dry shaving device. F. W. Knowles. 2,623,280, Dec. 30.
Dry spinning filaments, Method and apparatus for. H. Miller and W. H. Kreamer. 2,619,676, Dec. 2.
Dry spray equipment. C. W. Britcher. 2,614,528, Oct. 21.
Dry strip transfer, using same and article produced thereby. T. S. Reese and D. Galloway. 2,606,853, Aug. 12.
Drying. P. A. Shaw. 2,607,537, Aug. 19.
Drying a silica-zirconia hydrogel containing an alkali salt. T. H. Milliken, Jr., and I. H. Welinsky. 2,597,889, May 27.
Drying alcohols and ketones. G. H. Twigg. 2,582,214, Jan. 8.
Drying and defatting tissue. E. Levin. 2,619,425, Nov. 25.
Drying apparatus. F. W. Koster and L. A. Oberly. 2,589,400, Mar. 18.
Drying apparatus. C. E. W. Newman. 2,622,344, Dec. 23.
Drying apparatus. A. D. Saborsky. 2,606,644, Aug. 12.
Drying apparatus. E. D. Spierer. 2,606,274, Aug. 5.
Drying clayware and other goods. J. A. Johnson. 2,589,088, Mar. 11.
Drying, concentrating by evaporation, or distilling heat-sensitive substances. J. E. Nyrop. 2,585,825, Feb. 12.
Drying containers, Method and apparatus for. W. A. Webb. 2,596,800, May 13.
Drying equipment. L. P. Hopkins. 2,617,206, Nov. 11.
Drying fibrous sheet material. J. Dungler. 2,590,849, Apr. 1.
Drying films. L. Veyret. 2,622,340, Dec. 23.
Drying films. L. Veyret. 2,623,244, Dec. 30.
Drying floor for storage structures. M. R. Deyo. 2,587,978, Mar. 4.
Drying gelatine layers. C. J. Dippel, J. A. Lely and J. A. M. Dikhoff. 2,588,811, Mar. 11.
Drying leather to ultimate clean condition. A. R. Olson, E. B. McMillan, and W. H. Davis, III. 2,586,985, Feb. 26.
Drying machine for fabric and paper webs. P. Deck. 2,621,422, Dec. 16.
Drying machine for fabrics. J. Dungler. 2,582,241, Jan. 15.
Drying machine having centrifugal units. S. L. Vitale. 2,609,100, Sept. 2.
Drying of hollow yarn bodies. R. v. Nes and A. Lelij. 2,582,806, Jan. 15.
Drying of solid adsorbents. R. L. Weeks. 2,589,981, Mar. 18.
Drying oil composition. H. S. Bloch and E. M. Geiser. 2,616,863, Nov. 4.
Drying oils and making the same. W. E. Elwell. 2,623,056, Dec. 23.
Drying oils by HF-hydrocarbon processing, Production of. R. J. Lee and P. D. May. 2,588,639, Mar. 11.
Drying oils from diolefins, Preparation of. E. Arundale, A. H. Gleason, and F. W. Banes. 2,586,594, Feb. 19.
Drying oils, Preparation of. A. H. Gleason and S. E. Jaros. 2,581,094, Jan. 1.
Drying oils, Preparation of. H. M. Teeter. 2,598,729, June 3.
Drying oils, Production of. H. S. Bloch and R. C. Wackher. 2,590,923, Apr. 1.
Drying oils, Production of. H. S. Bloch and R. C. Wackher. 2,622,108-9, Dec. 16.
Drying oils, Production of. J. C. Hillyer and J. T. Edmonds. 2,581,413, Jan. 8.
Drying photographic emulsions. C. E. Rose. 2,620,285, Dec. 2.
Drying photographic material. C. J. Dippel, J. A. Lely and J. A. M. Dikhoff. 2,588,218, Mar. 4.
Drying warp sheets and the like, Method and apparatus for. J. R. Andrews, Jr. 2,601,080, June 17.
Drift eliminator. N. P. Green, P. A. Barrett, and E. L. Bass. 2,583,171, Jan. 22.
Drill: *See*—
Dental drill.
Flexible frame seed drill.
Glass drill.
Gun type drill.
Hollow drill.
Hydraulic rotary drill.
Lawn seed drill.
Masonry drill.
Mining drill.
Percussion rock drill.
Portable magnetic-base drill.
Rat hole drill.
Rock drill.
Rotary core drill.
Rotary percussion drill.
Turbine-impact drill.
Wagon drill.
Drill. H. R. Alexander. 2,608,384, Aug. 26.
Drill. E. C. Doepker. 2,587,980, Mar. 4.
Drill. V. S. Karbowski. 2,593,035, Apr. 15.
Drill. N. G. Melendy. 2,614,811, Oct. 21.
Drill bit. A. L. Bergstrom. 2,597,771, May 20.
Drill bit. J. L. Pilon and A. Beaulieu. 2,597,669, May 20.
Drill bit. C. V. Tilden. Re. 23,539, Aug. 26.
Drill bit. W. R. Wade. 2,602,641, July 8.
Drill bit. H. W. Wallace. 2,593,229, Apr. 15.
Drill bit. C. H. Welland. 2,600,286, June 10.
Drill case. O. W. and J. M. Anderson. 2,589,593, Mar. 18.
Drill collar, Laminated. E. G. Boice. 2,594,617, Apr. 29.
Drill cradle. H. A. Gillerstrom. 2,610,030, Sept. 9.
Drill end sharpening means. E. C. Kapnick. 2,614,370, Oct. 21.
Drill feed mechanism with reciprocating nonrotating feed cylinder. S. C. Moon. 2,610,029, Sept. 9.

Drier for microscope slides. E. C. Welskopf. 2,623,301, Dec. 30.
Drill grinder. A. M. Lohr. 2,601,748, July 1.
Drill grinder. W. E. Raney. 2,596,916, May 13.
Drill grinding apparatus. N. H. Swanson. 2,583,159, Jan. 22.
Drill grinding machine. H. F. B. Högfors. 2,598,055, May 27.
Drill guide for door lock recesses. H. L. Griffith. 2,609,021, Sept. 2.
Drill guiding assembly. R. Q. Buttolph. 2,589,534, Mar. 18.
Drill head. J. Moon. 2,595,401, May 6.
Drill hole locating apparatus. G. F. De La Mater. 2,600,857, June 17.
Drill hole magnetometer apparatus. A. A. Brant. 2,599,687, June 10.
Drill point gauge. T. Cuff. 2,597,300, May 20.
Drill press. R. A. Braswell. 2,580,308, Jan. 1.
Drill press. W. L. Gaskell. 2,613,556, Oct. 14.
Drill press. L. E. Torrey. 2,614,007, Oct. 14.
Drill remover. F. P. Bouchard. 2,596,809, May 13.
Drill sharpening apparatus. A. H. Bowman. 2,580,884, Jan. 1.
Drill steel retainer. A. Feucht. 2,604,328, July 22.
Drill stem testing device. D. Ragland. 2,582,718, Jan. 15.
Drill stem wiper. M. A. Bryan. 2,580,727, Jan. 1.
Drill supporting device. J. E. Thomas and C. D. Anderson. 2,623,739, Dec. 30.
Drill through tailstock spindle for wood-turning lathes. P. J. Lombard, Jr. 2,619,993, Dec. 2.
Drill turning mechanism of hammer drills. J. A. Larcén and S. L. Ytterfors. 2,618,241, Nov. 18.
Drillable packer. O. L. Morrisett. 2,589,506, Mar. 18.
Driller. J. W. Karwelt. 2,581,258, Jan. 1.
Driller. M. C. Taylor. 2,581,311, Jan. 1.
Drilling and centering attachment for turret lathes. O. Schultz. 2,613,555 Oct. 14.
Drilling apparatus. J. C. Curtis. 2,598,112, May 27.
Drilling apparatus. H. C. Johansen. 2,617,630, Nov. 11.
Drilling apparatus. R. A. McCallum. 2,586,842, Feb. 26.
Drilling apparatus. R. A. McCallum. 2,615,683, Oct. 28.
Drilling apparatus. E. A. Smith. 2,598,454, May 27.
Drilling apparatus. J. C. Staton. 2,586,878, Feb. 26.
Drilling apparatus. H. H. Vanderzee. 2,594,098, Apr. 22.
Drilling apparatus. E. Williams and J. W. Bogdanowski. 2,588,068, Mar. 4.
Drilling apparatus, Directional. J. G. Jackson. 2,586,662, Feb. 19.
Drilling apparatus, Portable. L. F. Wilson. 2,604,304, July 22.
Drilling attachment for riveting machines. F. A. Boyle. 2,598,106, May 27.
Drilling barge. W. A. Clark. 2,601,762, July 1.
Drilling barge. A. L. Smith. 2,589,153, Mar. 11.
Drilling device. A. Sulger. 2,587,923, Mar. 4.
Drilling fluid. W. M. Hutchinson. 2,614,979, Oct. 21.
Drilling fluid. A. C. Nestle. 2,601,050, June 17.
Drilling fluid. W. J. Weiss. 2,584,768, Feb. 5.
Drilling fluid compositions. V. G. Meadors. 2,587,501, Feb. 26.
Drilling fluid for use in well-boring operations. D. Ragland. 2,607,730, Aug. 19.
Drilling fluid, Oil base. H. Shinouda. 2,584,930, Feb. 5.
Drilling fluids. P. W. Fischer. 2,599,752, June 10.
Drilling fluids, Making. P. W. Fischer and R. A. Rogers. 2,606,151, Aug. 5.
Drilling fluids, Oil-base. P. W. Fischer. 2,607,731, Aug. 19.
Drilling gauge. M. O. Ellington. 2,592,877, Apr. 15.
Drilling joint. C. C. Brown. 2,585,995, Feb. 19.
Drilling machine. J. A. Cupler, II. 2,607,244, Aug. 19.
Drilling machine. H. F. Martin. 2,585,025, Feb. 12.
Drilling machine for shank button blanks. W. J. Witte. 2,618,181, Nov. 18.
Drilling mechanism. W. F. Clark. 2,599,696, June 10
Drilling mechanism, Hydraulic. C. M. O'Leary. 2,582,217, Jan. 15.
Drilling motion take-off. R. R. Crookston. 2,582,682, Jan. 15.
Drilling mud additive. R. J. Given. 2,620,300, Dec. 2.
Drilling mud resistivity meter. P. P. Reichertz. 2,599,413, June 3.
Drilling mud weight recorder. W. J. Bielstein. 2,609,681, Sept. 9.
Drilling overburden, unconsolidated rock formation or placer ground with low-temperature freezing fluids. J. D. Bardill. 2,621,022, Dec. 9.
Drilling procedure and apparatus. B. W. Sewell. 2,595,107, Apr. 29.
Drilling rig. F. J. Young. 2,602,635, July 8.
Drilling rig, Portable. H. W. Cardwell and G. G. Brown. 2,617,500, Nov. 11.
Drilling rig substructure. W. F. Bates, J. N. Gregory and C. S. Penfield. 2,594,847, Apr. 29.
Drilling sub for sidewall samplers. W. A. Stokesbary. 2,595,018, Apr. 29.
Drink measuring and registering device. A. Spruck. 2,602,576, July 8.
Drink mixer. F. C. Schwaneke. 2,586,101, Feb. 19.
Drink mixer agitator. F. C. Schwaneke. 2,595,985, May 6.
Drink mixing machine, Multiple. E. S. Prince and R. MacDougall. 2,619,332, Nov. 25.
Drinking fountain, Portable. H. Behrens. 2,621,073, Dec. 9.
Drinking fountain, Poultry. C. Norland. 2,616,444, Nov. 4.
Drinking glass coaster and straw guide, Combined. H. Feldman. 2,294,896, Apr. 29.
Drinking rim for beer cans. O. W. Carpenter. 2,614,406, Oct. 21.
Drip baffle and handle for refrigerator closures, Combined. O. I. De Graw. 2,619,806, Dec. 2.
Drip-catching spoon rack. E. E. McCoy. 2,594,473, Apr. 29.
Drip-evaporating unit for air conditioners. P. B. Moore. 2,617,637, Nov. 11.
Drip-feed device. A. J. Marek. 2,617,561, Nov. 11.
Drip pan and gas burner structure, Combined. R. Shelton and J. S. Rowden. 2,595,005, Apr. 29.
Drip pan for flush tanks. C. J. Wanke. 2,599,502, June 3.
Drip tray assembly. R. J. Carbary. 2,584,670, Feb. 5.
Drip tray guide wire and stop arrangement. W. R. Jewell. 2,582,038, Jan. 8.
Drive and control means for sheet feeding rollers in duplicating apparatus. H. P. Keil. 2,597,804, May 20.
Drive axle and track frame mounting for crawler tractors. W. F. Wilson. 2,588,333, Mar. 4.
Drive axle mounted for swinging and rocking motion. E. M. Tucker. 2,598,863, June 3.
Drive axle mounting for maintaining drive shaft alignment. G. D. Harrah. 2,597,481, May 20.
Drive axle mounting for swinging and rocking motion. F. P. Martin. 2,595,594, May 6.
Drive chains and chain drives adapted to use said chains. A. E. Jorgensen. 2,613,546, Oct. 14.
Drive clutch for regulating the torque imparted to a driven member, Adjustable. G. S. Elgin. 2,606,431, Aug. 12.
Drive construction. D. A. Wallace. 2,581,224, Jan. 1.
Drive construction for mechanical pencils. C. Merryman. 2,611,342, Sept. 23.
Drive control for motorized hand lift trucks. I. F. Schreck. 2,588,664, Mar. 11.
Drive control for tractor-trailer unit. G. E. Armington. 2,604,177, July 22.
Drive coupling. J. R. Snyder and F. A. Pease, Jr. 2,621,678, Dec. 16.
Drive coupling for centrifugal separators. W. H. Harstick and O. E. Hintz. 2,613,968, Oct. 14.
Drive fastener. O. J. Poupitch. 2,584,812, Feb. 5.
Drive fastener. O. J. Poupitch. 2,596,940, May 13.
Drive for a pendulum, swing or the like. J. F. Punzak. 2,617,247, Nov. 11.
Drive for a rotary member. J. E. Battersby. 2,623,397, Dec. 30.
Drive for bicycles, High-speed. I. J. and J. P. Riga. 2,588,047, Mar. 4.
Drive for cloth spreading machines. M. R. Katz. 2,590,773, Mar. 25.
Drive for continuous processing machines. H. W. Sachs and C. C. Borck. 2,584,293, Feb. 5.
Drive for flying knives. E. R. Overman. 2,605,841, Aug. 5.
Drive for pendulum swing for electric clocks. J. F. Punzak. 2,617,246, Nov. 11.
Drive for photographic material. E. H. Heyer. 2,590,699, Mar. 25.
Drive for rotary mechanical seals with O rings. G. E. Montgomery. 2,585,154, Feb. 12.
Drive for washer of mechanical rotary seals. C. E. Schmitz. 2,589,631, Mar. 18.
Drive-in service device. S. E. McClintock. 2,613,762, Oct. 14.
Drive interrupting means for suction cleaners. E. J. Balluff. 2,616,119, Nov. 4.
Drive means for socket wrenches, Flexible. B. G. Schellenger. 2,603,996, July 22.
Drive mechanism. L. P. Millard. 2,600,416, June 17.
Drive mechanism for circular saws. A. P. Smith. 2,590,898, Apr. 1.
Drive mechanism for endless bucket lines. H. M. Bird. 2,620,060, Dec. 2.
Drive mechanism for extendible antennas. J. Youhouse. 2,590,484, Mar. 25.
Drive mechanism for shedding disks. M. S. Curtis. 2,606,575, Aug. 12.
Drive mechanism for toys. A. A. Green. 2,588,109, Mar. 4.
Drive mechanism for washing machines and the like. G. W. Ruscoe. 2,609,697, Sept. 9.
Drive motor control for engine electric driven vehicles. B. M. Mathias. 2,600,897, June 17.
Drive pickup mechanism. W. B. Herndon. 2,606,461, Aug. 12.
Drive shaft assembly for rotary well-drilling apparatus. A. R. Maier. 2,600,555, June 17.
Drive shaft means for colloid mills. G. H. Rider. 2,591,966, Apr. 8.
Drive-through gate. S. E. Anderson. 2,608,010, Aug. 26.
Drive transmission for garden type tractors. F. V. Donald. 2,598,768, June 3.
Drive type rivet, Self-locking. J. A. Schroeder, A. W. Bower, and M. Graber. 2,587,907, Mar. 4.

Drive unit for domestic ironing machines or the like. J. C. Worst and C. S. Dayton. 2,599,308, June 3.
Drive washer. W. B. Ensinger. 2,605,121, July 29.
Driven dirigible dual front wheel unit for tractors. J. M. Halt. 2,590,174, Mar. 25.
Driven plate for friction clutches. F. Crutchley. 2,613,515, Oct. 14.
Driven steering wheel assembly for coal loaders. A. L. Lee. 2,600,663, June 17.
Driven steering wheels mounted for independent movement. H. H. W. Johnson. 2,608,260, Aug. 26.
Driven wheel assembly, including hydraulic transmission means. C. S. Ash. 2,598,876, June 3.
Driver coupler attachment. K. R. Larson. 2,613,780, Oct. 14.
Driving and recording mechanism for calipering devices. P. E. Chaney and W. E. Barnes. 2,615,779, Oct. 28.
Driving and scanning mechanism for magnetic tape handling equipment. C. C. Pond. 2,620,404, Dec. 2.
Driving and steering mechanism. O. H. Banker. 2,580,381, Jan. 1.
Driving arrangement for shoemaking machines. J. Zaoral and V. Ostrčil. 2,623,224, Dec. 30.
Driving means for detector rolls in grading machines. C. C. Thomas. 2,598,858, June 3.
Driving means for dynamohubs. O. Moen. 2,602,339, July 8.
Driving means for fluid seals. F. E. Payne. 2,610,874, Sept. 16.
Driving mechanism. H. L. Bone, J. W. Logan, Jr., and W. R. Gracey, Jr. 2,622,451, Dec. 23.
Driving mechanism and control system therefor. E. Orshansky, Jr., T. W. Southack, and B. Kahn. 2,580,946, Jan. 1.
Driving mechanism and supporting structure for machines. G. F. Wales and P. H. Taylor. 2,584,403, Feb. 5.
Driving mechanism for extensible antennas and the like. E. Carlson. 2,581,171, Jan. 1.
Driving mechanism for mining machines. M. G. Miller. 2,594,195, Apr. 22.
Driving mechanism for one revolution clutches. F. B. Kenll. 2,607,457, Aug. 19.
Driving mechanism for push-button tuners. C. W. Wandrey. 2,612,782, Oct. 7.
Driving mechanism for rolling doors and the like. N. Michelman. 2,622,452, Dec. 23.
Driving mechanism for sound picture systems. A. V. L. C. Debrie. 2,588,490, Mar. 11.
Driving mechanism for timepieces in vehicles. Z. Maar. 2,618,117, Nov. 18.
Driving rack mechanism. P. H. Karlsson and J. A. Lidford. 2,605,646, Aug. 5.
Driving rock tunnels. R. D. Budd. 2,622,403, Dec. 23.
Driving unit for electromagnetic vibration exciters. F. E. Stirnkorb. 2,586,881, Feb. 26.
Driving unit for motor vehicles. P. C. Vincent. 2,591,219, Apr. 1.
Driving unit for motor vehicles. P. C. Vincent. 2,612,148, Sept. 30.
Drone trap. J. Winklbauer. 2,602,940, July 15.
Drop box picker. H. M. Bacon. 2,621,681, Dec. 16.
Drop door mechanism, Automatic. G. D. Fraunfelder. 2,595,836, May 6.
Drop forged and welded brake head. L. L. Whitney. 2,593,374, Apr. 15.
Drop frame construction. S. G. Johnson. 2,603,506, July 15.
Drop hammer. G. Hartemann. 2,583,049, Jan. 22.
Drop hammer control. E. C. Clarke, Jr., and P. A. Rickrode. 2,619,072, Nov. 25.
Drop hammer of the gravity type. P. A. Rickrode. 2,604,071, July 22.
Drop hammer safety device. G. E. Barnhardtson. 2,584,534, Feb. 5.
Drop leaf support construction for a table or the like. H. Howe. 2,594,262, Apr. 22.
Dropout fuse construction. S. I. Lindell. 2,599,186, June 3.
Drop stretch forming. S. I. Vaughn and A. W. Tucker. 2,613,718, Oct. 14
Drop wire. T. E. Watson. 2,610,656, Sept. 16.
Dropper and bottle cap, Combined. J. A. Barosso. 2,619,262, Nov. 25.
Dropper, Ether. E. K. Bradley. 2,605,937, Aug. 5.
Drum. G. H. Way. 2,609,722, Sept. 9.
Drum and cymbal beating device. O. R. Christian. 2,581,515, Jan. 8.
Drum buoy. E. J. Haanstad. 2,588,830, Mar. 11.
Drum cap and spigot valve assembly. J. R. Snyder. 2,601,339, June 24.
Drum clamp device. J. G. Imparato. 2,615,220, Oct. 28.
Drum for inclined axis concrete mixers. C. I. Longenecker. 2,614,819, Oct. 21.
Drum for winding cable. P. J. M. T. Allard. 2,605,978, Aug. 5.
Drum-handling attachment for industrial trucks. W. W. Cushman. 2,581,364, Jan. 8.
Drum hoisting and conveying apparatus. B. E. Halloran. 2,620,937, Dec. 9.
Drum ring clamp. J. G. Imparato. 2,615,219, Oct. 28.
Drum stand. W. J. Sannebeck. 2,615,662, Oct. 28.
Drum tilting device. E. M. Gardner. 2,619,372, Nov. 25.
Drum-type glossy print drier. P. D. Dale. 2,588,966, Mar. 11
Drum winding apparatus. F. L. Le Bus. 2,599,926, June 10.
Drum with liquid bath, Rotatable. J. Hoekstra. 2,587,157 Feb. 26.
Dual action ball switch. G. R. Benak. 2,600,832, June 17.
Dual bridge motor control circuit. A. J. Hornfeck. 2,597,730, May 20.
Dual carburetor. D. E. Anderson. 2,611,592, Sept. 23.
Dual direction coupler. B. Stahmer. 2,623,401, Dec. 30.
Dual discharge pump. W. H. Tinker. 2,623,466, Dec. 30.
Dual electrode tuning units for electric bonding machines. R. L. Stevenson and J. A. Herr. 2,583,128, Jan. 22.
Dual engine manifold pressure balancing device. C. B. Hart. 2,584,872, Feb. 5.
Dual fuel engine. C. H. Schowalter. 2,612,880, Oct. 7.
Dual fuel injection pump control. F. E. Pelly and E. R. Cave. 2,587,376, Feb. 26.
Dual fuel valve. L. O. French. 2,607,366, Aug. 19.
Dual load balancing hoist. H. T. Platz. 2,613,903, Oct. 14.
Dual modulation of carrier wave. K. F. Ross. 2,619,547, Nov. 25.
Dual phase control. T. H. Whaley, Jr. 2,600,039, June 10.
Dual pressure gas burner. J. H. Flynn. 2,596,229, May 13.
Dual steam generating apparatus. S. Lafleur. 2,590,024. June 10.
Dual throttle control. C. D. Stewart. 2,613,547, Oct. 14.
Dual valve selective control handle assembly for combination faucets. F. Toop. 2,582,804, Jan. 15.
Duck and goose call. W. J. Wade. 2,583,400, Jan. 22.
Duck call. W. J. Meucci. 2,604,731, July 29.
Duck call, Variable tone. L. Bicocchi. 2,608,796, Sept. 2.
Duck caller. G. L. Kendrick. 2,598,268, May 27.
Duck hunter's drag. J. D. Caslor. 2,586,003, Feb. 19.
Duct rodding machine. C. Jasper and G. T. Hawk. 2,590,414, Mar. 25.
Duct static pressure control. R. E. Bailey. 2,598,208, May 27.
Ductile acrylonitrile copolymers. F. W. Banes and J. D. Garber. 2,621,170, Dec. 9.
Ductile bismuth alloy and a ductile wire formed therefrom. I. E. Aske and K. W. Fitzpatrick. 2,610,913, Sept. 16.
Dummy intruder for intruder detection systems. S. M. Bagno. 2,615,970, Oct. 28.
Dump bailer. W. C. Gipson. 2,612,223, Sept. 30.
Dump body construction. G. Maxon, Jr. 2,613,106, Oct. 7.
Dump body structure. J. H. Shipe. 2,615,753, Oct. 28.
Dump body tilting mechanism. C. E. Margala. 2,593,776, Apr. 22.
Dump box attachment for hydraulic fork lift. C. V. Sass. 2,582,759, Jan. 15.
Dump car. J. Vial. 2,623,651, Dec. 30.
Dump rake locking device. E. Huseby. 2,607,181, Aug. 19.
Dump wagon, Rear. R. G. Le Tourneau. 2,621,964, Dec. 16.
Dump wagon with adjustable body pivot, Tilting. C. M. Williams. 2,610,892, Sept. 16.
Dump valve. G. C. Parsons. 2,595,603, May 6.
Dumping box and supporting structure therefor with means for receiving contents of said box. B. D. and W. D. McIntyre. 2,596,908, May 13.
Dumping device. R. E. Miller. 2,601,163, June 17.
Dunnage apparatus. A. C. and G. W. Webster. 2,603,167, July 15.
Duplex adhesive display. R. J. Leander. 2,603,899, July 22.
Duplex brake. C. E. Tack. 2,584,940, Feb. 5.
Duplex double-acting steam pump. F. J. Davidson. 2,619,038, Nov. 25.
Duplex electrical wall receptacle. W. E. Parish and R. F. Lester. 2,618,677, Nov. 18.
Duplex steam condenser. J. Fanning. 2,586,016, Feb. 19.
Duplexing device for transceiver antenna systems. A. A. Varela and R. A. Herring, Jr. 2,611,079, Sept. 16.
Duplicating apparatus. H. P. Kell. 2,594,179, Apr. 22.
Duplicating attachment for contour shaping machines. E. B. Schon. 2,582,170, Jan. 8.
Duplicating device. D. J. Burke. 2,610,580, Sept. 16.
Duplicating machine. H. P. Sherman. 2,612,834, Oct. 7.
Duplicating machine, Automatic hydraulic. A. J. Curtis. 2,596,889, May 13.
Duplicating machine plate clamp. H. F. Bruns. 2,586,146, Feb. 19.
Duplicating machine with multiple feed trays, Rotary. R. M. Ford. 2,615,391, Oct. 28.
Duplicating method. R. B. Keller and H. B. Dawson. 2,611,313, Sept. 23.
Duplicating roll film cleaning device. E. F. Skinner. 2,612,105, Sept. 30.
Duplicating stencil matrix. A. A. Heath. 2,622,516, Dec. 23.
Duplicator attachment for lathes. H. J. Siekmann and G. J. Kasselmann. 2,587,542, Feb. 26.

Duplicator device. C. B. Runge. 2,607,290, Aug. 19.
Duplicator master sheet clamp and control means therefor. W. E. Denison and G. E. Wimmer. 2,622,517, Dec. 23.
Duroquinone, Making. B. R. M. Monnberg and A. J. Ora. 2,608,561, Aug. 26.
Dust adhesive for gas filters. R. D. Fine and W. L. Trowbridge. 2,620,044, Dec. 2.
Dust bag for vacuum cleaners. K. G. Zimmermann. 2,592,507, Apr. 8.
Dustbin, Automatically closing. E. J. Galotta and M. Di Paola. 2,602,176, July 8.
Dustbin with hinged cover. H. Linde. 2,622,761, Dec. 23.
Dust collector. G. A. Boesger. 2,583,039, Jan. 22.
Dust collector. R. B. Foley. 2,582,423, Jan. 15.
Dust collector. G. C. Francis and R. Browning. 2,596,670, May 13.
Dust collector. R. H. Goodrich. 2,590,958, Apr. 1.
Dust collector. E. H. R. Pegg and D. P. Ross. 2,622,696, Dec. 23.
Dust collector. J. W. Rasmussen. 2,583,881, Jan. 29.
Dust collector. W. O. Vedder. 2,587,416, Feb. 26.
Dust collector. W. O. Vedder. 2,603,351, July 15.
Dust collector. W. O. Vedder. 2,612,236, Sept. 30.
Dust collector for cargo loading and trimming device. R. J. McGrath. 2,584,037, Jan. 29.
Dust collector for paper machines. C. G. Dunphy. 2,586,014, Feb. 19.
Dust cover for books. A. W. Moon. 2,600,672, June 17.
Dust cover mounting for cylinder locks. E. N. Jacobi. 2,602,319, July 8.
Dust gun. M. M. Darley. 2,596,011, May 6.
Dust gun. A. Morsink. 2,618,883, Nov. 25.
Dust hood. G. J. Pipher. 2,583,304, Jan. 22.
Dust mop cleaner. E. Autry. 2,581,346, Jan. 8.
Dustpan. F. G. Jones. 2,617,281, Nov. 11.
Dustpan. J. Pape. 2,583,154, Jan. 22.
Dustpan. W. Strumbos. 2,601,069, June 17.
Dustproof leveling screw. W. D. Moore. 2,592,942, Apr. 15.
Dustproofed organic color compounds. A. E. Herrmann, Jr. 2,604,469, July 22.
Dust-sealed panel-mounted socket assembly. H. H. Clayton. 2,606,227, Aug. 5.
Dust separator. C. A. Martin. 2,607,436, Aug. 19.
Dust tight casing for cleaning dust mops. B. B. Smith. 2,619,664, Dec. 2.
Duster, Hand-operated. H. E. Brandt. 2,597,282, May 20.
Dusting and spraying machine, Combination. B. M. Gaddis. 2,583,560, Jan. 29.
Dusting cabinet. H. V. G. Medcalf. 2,602,417, July 8.
Dusting cloth and the like, Launderable wax-impregnated. J. Parmet. 2,618,803, Nov. 25.
Dustless composition for rubber compounding and making same. M. C. Throdahl. 2,598,319, May 27.
Dye bath composition. G. F. Jones. 2,614,086, Oct. 14.
Dyestuffs and making same. D. A. Berry. 2,593,406, Apr. 22.
Dyeing apparatus. G. V. Greaves. 2,611,258, Sept. 23.
Dyeing articles made of acrylonitrile polymers. J. Rampin. 2,622,959, Dec. 23.
Dyeing cellulose acetate articles using a bath comprising a dispersed acetate dye, ethylene glycol monobutyl ether, and an emulsion of polymethyl vinyl ketone. V. S. Salvin. 2,601,460, June 24.
Dyeing cellulose acetate fibers in a mixed acetate-nylon fabric using an aqueous solution of an acid dye, ethyl alcohol, acetic acid, and either sodium or ammonium thiocyanate. H. C. Olpin and D. L. Bell. 2,615,781, Oct. 28.
Dyeing cellulose derivative textile material by impregnating it with a swelling solution containing urea and an esterified leuco vat dye and subsequently steaming twice. H. C. Olpin and T. Jackson. 2,614,023, Oct. 14.
Dyeing cellulosic fibers with difficultly water-soluble copper compounds of dyestuffs using a copper-free dyestuff, an aliphatic amine, and a complex copper compound of an aliphatic hydroxycarboxylic acid. H. Riat, W. Anderau, J. Wegmann, H. Mayer, and K. Menzi. 2,594,803, Apr. 29.
Dyeing fabrics containing cellulose acetate fibers with a vat dye in reduced alkaline state and 30 to 80% of a liquid swelling agent. G. D. Sutton. 2,622,958, Dec. 23.
Dyeing furs using an aqueous alcohol solution of a complex metal compound of an azo dyestuff free from acid groups. R. Wittwer. 2,585,610, Feb. 12.
Dyeing machine with perforated cylinders, Open width. H. Haas. 2,590,407, Mar. 25.
Dyeing of cellulosic textile materials by forming lakes of basic dyes in the fibers. W. S. Miller. 2,589,953, Mar. 18.
Dyeing of organic derivative of cellulose textile material involving the steps of impregnating it with a free leuco vat-dyestuff, oxidation, and alkaline reduction of the oxidized dyestuff. W. T. Haggerty, Jr., and G. C. Ward. 2,598,786, June 3.
Dyeing of wool with high-affinity colloidal dyestuffs and di-ammonium phosphate. J. N. Dalton and J. P. Pioubides. 2,590,847, Apr. 1.
Dyeing of wool with metallized azo dyes in the presence of an aldehyde having an affinity for wool. W. Widmer, A. Buehler, and H. Roesti. 2,602,722, July 8.
Dyeing only the flesh side of chrome-tanned fur skins. E. Lüscher and A. Engeloch. 2,583,269, Jan. 22.
Dyeing processes for wool and preparations therefor. W. Widmer, F. Schuetz, and A. Heckendorn. 2,610,103, Sept. 9.
Dyeing with pigment coloring matter. G. F. Womble. 2,596,192, May 13.
Dynamic absorber. W. Hargreaves and P. F. Bechberger. 2,621,225, Dec. 9.
Dynamic braking circuits for electric motors. G. G. Thompson and A. J. Vail. 2,613,342, Oct. 7.
Dynamic braking control. R. M. Dilworth. 2,591,791, Apr. 8.
Dynamic braking control. T. O. Lilliquist. 2,624,029, Dec. 30.
Dynamic braking of electric motors. F. Y. Grepe. 2,605,454, July 29.
Dynamic braking system. L. S. Apple. 2,615,152, Oct. 21.
Dynamic flyer balancing apparatus. C. J. Costner. 2,596,762, May 13.
Dynamic motor braking and reversing circuit. J. R. Rogers. 2,606,312, Aug. 5.
Dynamically balanced rotor. E. L. Thearle. 2,584,942, Feb. 5.
Dynamoelectric apparatus. R. L. Jaeschke. 2,594,931, Apr. 29.
Dynamoelectric apparatus. P. Lebenbaum, Jr., and A. Fisher. 2,588,320, Mar. 4.
Dynamoelectric machine. W. L. Carlson. 2,615,944, Oct. 28.
Dynamoelectric machine. K. M. Feiertag and J. T. Donahoo. 2,589,999, Mar. 18.
Dynamoelectric machine. K. H. Fox. 2,595,349, May 6.
Dynamoelectric machine. R. L. Jaeschke. 2,616,069, Oct. 28.
Dynamoelectric machine. L. A. March. 2,620,449, Dec. 2.
Dynamoelectric machine. C. A. Thomas. 2,598,464, May 27.
Dynamoelectric machine. F. P. Vacha. 2,598,623, May 27.
Dynamoelectric machine. A. Valentin. 2,611,122, Sept. 16.
Dynamoelectric machine. V. J. Vickers and H. Willis. 2,621,223, Dec. 9.
Dynamoelectric machine. L. W. Wightman. 2,604,501, July 22.
Dynamoelectric machine and control. L. M. Hendrick and C. M. Wheeler. 2,592,522, Apr. 8.
Dynamoelectric machine and cooling means. J. M. Gaylord. 2,590,855, Apr. 1.
Dynamoelectric machine balanced rotor. H. M. Norman. 2,594,203, Apr. 22.
Dynamoelectric machine commutator. A. H. Labastie. 2,606,220, Aug. 5.
Dynamoelectric machine construction. R. W. Esarey. 2,590,525, Mar. 25.
Dynamoelectric machine cooling and brush lubrication. A. Fisher. 2,606,946, Aug. 12.
Dynamoelectric machine end shield and bearing housing. T. F. Worth. 2,597,094, May 20.
Dynamoelectric machine having an air cleaner, Self-ventilated. J. H. Crankshaw. 2,591,408, Apr. 1.
Dynamoelectric machine regulating system. A. Fisher. 2,588,319, Mar. 4.
Dynamoelectric machine ventilation. L. W. Wightman and G. D. Willits. 2,608,677, Aug. 26.
Dynamoelectric machine with resiliently supported stator. S. Beckwith and W. F. King. 2,611,797, Sept. 23.
Dynamoelectric machine with stator core secured in yoke by welded studs. J. J. De Windt and E. C. George. 2,593,857, Apr. 22.
Dynamoelectric power measuring cutoff. J. Stivin. 2,586,577, Feb. 19.
Dynamometer. W. Boyd and K. F. Tupper. 2,599,315, June 3.
Dynamometer, Spindle testing. E. H. Granberry. 2,608,858, Sept. 2.
Dynamometer, Torque. J. A. Bellizzi. 2,580,395, Jan. 1.
Dynamometric apparatus. B. J. Baecher. 2,601,780, July 1.
Dynamo testing plant. J. F. G. Petit. 2,622,235, Dec. 16.
Earcap for earphones. A. H. Kettler. 2,621,751, Dec. 16.
Ear clamp. J. J. Cleary. 2,587,966, Mar. 4.
Ear cleaning device. A. M. Jozefczyk. 2,617,420, Nov. 11.
Ear clip. R. G. Gloss. 2,618,831, Nov. 25.
Ear muff frame and mounting. R. E. Maxant. 2,615,169, Oct. 28.
Ear notching tool. E. A. Stone. 2,589,891, Mar. 18.
Ear pad for earpieces. S. K. Herman. 2,622,159, Dec. 16.
Earpiece. E. A. Kindel. 2,593,892, Apr. 22.
Earphone and operative subassembly therefor, Insert. D. E. Rutter, H. B. Shaper, and W. J. Brown. 2,595,489, May 6.
Earphone, Electromagnetic. H. B. Shaper. 2,582,287, Jan. 15.
Earplug. M. Fornet. 2,587,035, Feb. 26.
Ear protector. K. Kaufmann. 2,582,907, Jan. 15.
Ear protector. F. Majewski. 2,597,508, May 20.
Earring. J. McCann. 2,610,486, Sept. 16.
Earring construction. J. Conto and B. Alstadt. 2,586,787, Feb. 26.
Earring, Interchangeable or reversible. S. Friedman. 2,610,487, Sept. 16.

Earring, Nonpiercing. J. Guth. 2,611,251, Sept. 23.
Earring, Removable jewel. E. Postel. 2,600,310, June 10.
Ear severing device for corn harvesters. R. C. Fergason. 2,604,749, July 29.
Early factor mechanism. R. E. Boyden and E. P. Drake. 2,581,624, Jan. 8.
Early warning detector. C. E. Koonts and I. H. Page. 2,602,883, July 8.
Earth anchor. A. A. Hocher. 2,580,915, Jan. 1.
Earth auger. K. J. Browne. 2,591,233, Apr. 1.
Earth auger. N. M. Erdahl. 2,592,402, Apr. 8.
Earth auger with spirally arranged removable cutting bits. F. E. Henning. 2,594,261, Apr. 22.
Earth compacting roller implement. R. G. Le Tourneau. 2,589,829, Mar. 18.
Earth drill with fluid pressure feed, Rotary. W. L. Acker, Jr. 2,598,203, May 27.
Earth drilling bit. C. M. Harbert. 2,613,062, Oct. 7.
Earth induction system. P. A. Noxon. 2,597,125, May 20.
Earth induction system. A. A. Stuart, Jr. 2,597,135, May 20.
Earth leveling apparatus, Portable. O. R. Heavilin. 2,593,880, Apr. 22.
Earth mover and loader. C. L. Jeffrey. 2,597,496, May 20.
Earth pulverizer with rock separating means. L. Mullner. 2,619,294, Nov. 25.
Earth scraper, Hydraulically actuated carry-type. M. Flinn. 2,582,978, Jan. 22.
Earth strata cutting indicator. P. L. Alspaugh and G. Cook. 2,620,386, Dec. 2.
Earthworking attachment for cultivators. J. W. Rowan 2,597,821, May 20.
Earthworking implement. J. R. Clayton. 2,617,341, Nov. 11.
Earthworking implement. F. W. Schaller. 2,597,954, May 27.
Easel. L. T. Safer. 2,582,070, Jan. 8.
Easel, Drawing. L. L. Westcamp. 2,600,145, June 10.
Easel, Enlarging. A. B. Simmons. 2,600,809, June 17.
Easel for photographic enlargers. O. M. Carlson. 2,596,811, May 13.
Easel, Map supporting. C. W. Squyres. 2,596,302, May 13.
Easel, Water-color sketching. L. Scheu. 2,586,097, Feb. 19.
Easily processed polymeric compounds and making same. T. A. Te Grotenhuis. 2,610,163, Sept. 9.
Easy chair. J. D. Julian. 2,597,105, May 20.
Easy-out attachment for tractors. A. J. Starr. 2,604,301, July 22.
Eave gutter support or hanger, Adjustable. C. W. Henry. 2,596,553, May 13.
Eaves flashing for gutter-protecting device. C. H. Schraeder. 2,613,621, Oct. 14.
Eccentric adjustment for roll drive. W. Messinger. 2,586,975, Feb. 26.
Eccentric cyclic pitch control mechanism for rotors of aircraft. J. Šiechta. 2,611,441, Sept. 23.
Echo pulse system utilizing the first received echo for control purposes. M. J. Larsen. 2,580,560, Jan. 1.
Echo ranging and identification system. A. A. Varela. 2,586,888, Feb. 26.
Echo ranging circuit. La V. R. Philpott. 2,607,914, Aug. 19.
Echo ranging system. W. F. Meeker and F. H. Slaymaker. 2,611,445, Sept. 23.
Economizer mechanism for carburetors. R. H. Hieger. 2,617,640, Nov. 11.
Eddy current disk mechanism. W. L. Butler. 2,596,649. May 13.
Edge binding for use in the manufacture of boots and shoes. M. E. Duckoff. 2,622,633, Dec. 23.
Edge construction for furniture tops. C. R. Reitzel. 2,605,157, July 29.
Edge finding indicator. T. B. Hulsaple. 2,601,437. June 24.
Edge gluing wood veneer sheets, and edge glued product. J. G. Meiler, C. D. Stone, and R. J. Hilton. 2,616,824, Nov. 4.
Edge illuminated sign. P. E. Fuchs. 2,617,221, Nov. 11.
Edge illuminated sign. P. E. Fuchs. 2,623,313, Dec. 30.
Edge piling machine. F. H. Murphy. 2,586,172. Feb. 19.
Edge roll for spring structures. W. S. Cook and F. J. Hormuth. 2,615,504, Oct. 28.
Edge roll for use in upholstering parts such as spring assemblies. W. S. Cook. 2,621,713, Dec. 16.
Edge roll forming and sewing machine. J. A. Cash and J. A. Cash, Jr. 2,609,768, Sept. 9.
Edger and trimmer attachment for mowers. S. Velotta. 2,622,384, Dec. 23.
Edger for rug weaving machines. T. Nolte. 2,592,723, Apr. 15.
Edging strip. D. H. Goodwillie. 2,618,819, Nov. 25.
Edible fatty material. E. I. Valko. 2,610,125, Sept. 9.
Edible material container. P. A. Shoudy. 2,596,087, May 6.
Edible product, Preparing an. L. F. Ducker. 2,596,662, May 13.
Educational and amusement device. H. E. Lowe and H. Cazier. 2,581,492, Jan. 8.
Educational apparatus. J. W. Mioduski and R. H. Lesner. 2,581,595, Jan. 8.
Educational apparatus for simulating the operation of aircraft. J. E. Butler. 2,584,113, Feb. 5.
Educational device. C. S. Adams. 2,618,866, Nov. 25.
Educational device. L. H. Medlock. 2,618,868, Nov. 25.
Educational device. H. V. and D. D. Hobbs. 2,589,695, Mar. 18.
Educational device. A. Pick. 2,586,710, Feb. 19.
Educational device. R. F. Well. 2,618,078, Nov. 18.
Educational device. L. L. Witter and O. R. Deckert. 2,591,327, Apr. 1.
Educational device embodying a plurality of relatively movable alphabetic shapes for forming letters or word combinations. G. Rilling. 2,583,494, Jan. 22.
Eduction tube for steam iron tanks. W. E. Ellinwood and H. V. Ekstedt. 2,617,212, Nov. 11.
Eductor device. S. A. Hayes. 2,592,896. Apr. 15.
Effecting calibration of the tire inflator spring of tire inflating apparatus. D. S. Willson. 2,585,362, Feb. 12.
Effecting chemical reactions. N. N. Stephanoff. 2,590,219, Mar. 25.
Effecting combustion of paraffinic hydrocarbon gases and vapors. T. Nagel. 2,604,937, July 29.
Effecting coupling reactions. P. Pleth. 2,583,517, Jan. 22.
Effecting heat exchange between a rotating solid body and a gaseous medium, particularly for cooling fluid transmissions with rotating casings. K. G. Åhlén and T. A. Ödman. 2,611,248, Sept. 23.
Effecting end seals for condensers. S. O. Dorst. 2,596,134, May 13.
Effecting the conversion of organic reactant streams. F. W. Leffer. 2,597,346, May 20.
Effecting the fluidized catalytic conversion of a reactant stream, Method and apparatus for. C. G. Gerhold. 2,585,238, Feb. 12.
Effervescent drink concentrate. J. G. Alther and P. M. Van Arsdell. 2,603,569, July 15.
Effluent cleaner and saver. M. C. Stinson. 2,582,401, Jan. 15.
Egg breaker and separator. O. J. Le Boeuf. 2,589,408, Mar. 18.
Egg candler and grader. M. A. Richard. 2,613,808, Oct. 14.
Egg cleaner and polisher brush, Rotary. A. H. Wilde. 2,602,945, July 15.
Egg cleaning and sanitizing machine. W. L. Slocum and H. L. Haggard. 2,603,030, July 15.
Egg cleaning machine. H. A. Hutchinson and R. C. Patchett. 2,587,730, Mar. 4.
Egg container. H. C. Reeser. 2,597,848, May 27.
Egg crate lid. E. J. Dedman. 2,592,869, Apr. 15.
Egg drier. F. B. Wright. 2,588,787, Mar. 11.
Egg feeding device. O. C., H. O., and O. Niederer. 2,620,059, Dec. 2.
Egg grading machine comprising pneumatic lifting means supported by scale balance arms. C. K. Powell. 2,606,658, Aug. 12.
Egg handling apparatus. E. W. Fahey. 2,617,543, Nov. 11.
Egg packing material. A. W. Nelson and T. H. Alfreds. 2,588,150, Mar. 4.
Egg separator with thumb operable yolk trap. R. W. Berry. 2,614,592, Oct. 21.
Egg shell scoring device. G. F. Hodson and L. L. Campbell. 2,611,469, Sept. 23.
Egg shipping container. H. C. Reeser. 2,597,845, May 27.
Egg storage and dispensing device. V. P. Di Renzo. 2,588,618, Mar. 11.
Egg timing device. A. E. Waterling. 2,621,585, Dec. 16.
Egg washing and scrubbing apparatus. L. J. Bowler. 2,600,467, June 17.
8-chlorotheophylline, Preparation of. A. H. Homeyer and G. B. De La Mater. 2,614,105, Oct. 14.
8-haloxanthine salts of N-dialkylaminoalkyl-N-arylmethyl-α-aminopyridines. J. W. Cusic. 2,602,793, July 8.
8-hydroxy-1,2,3,4-tetrahydroquinoline as a silver halide developer. R. R. Burtner and R. T. Dillon. 2,596,978. May 20.
8-hydroxyquinolinium di-hydrogen phosphate and preparation. N. Grier and C. Casalbore. 2,606,189, Aug. 5.
Ejecting and feeding apparatus, Material. C. Herzog. 2,586,651, Feb. 19.
Ejecting means for machines for making frames. O. Conrad. 2,613,719, Oct. 14.
Ejecting mechanism. W. S. Sutowski. 2,584,168, Feb. 5.
Ejector cooling shroud for use on the exhaust systems of turbojet aircraft engines. H. H. Clayton, Jr. 2,591,676, Apr. 8.
Ejector mechanism for automatic bar feeds. G. H. J. Baule. 2,601,494, June 24.
Elastic and fibrous building composition. C. Mack. 2,585,806, Feb. 12.
Elastic assembly. L. Premoli. 2,623,745, Dec. 30.
Elastic copolyesters and process. M. D. Snyder. 2,628,033, Dec. 23.
Elastic cord exerciser. S. Farison. 2,590,951, Apr. 1.
Elastic closure fruit bag. F. Belmont. 2,585,214, Feb. 12.
Elastic fabric. G. H. Fox. 2,581,322, Jan. 1.
Elastic fluid engine control system responsive to a temperature factor of the motive fluid. D. W. Moore, Jr. 2,606,420, Aug. 12.
Elastic fluid turbine. A. Frankel. 2,620,158, Dec. 2.

Elastic hydrocarbon substituted polysiloxanes and aliphatic azo compounds as catalysts. P. A. Di Giorgio and M. M. Safford. 2,613,199, Oct. 7.
Elastic hydrocarbon-substituted polysiloxanes and ammonium carbonate as catalyst. W. J. Wormuth. 2,596,085, May 6.
Elastic linear copolyesters. M. D. Snyder. 2,623,031, Dec. 23.
Elastic rubber tires, Manufacture of. K. S. Hallgren. 2,612,461, Sept. 30.
Elastic thread laying attachment for sewing machines. R. S. Nogler and S. D. Menzies. 2,615,409, Oct. 28.
Elastic thread, Producing R. R. Dreisbach. 2,605,508–9, Aug. 5.
Elastic top for hosiery. N. H. Smith. 2,598,144, May 27.
Elastomer mold sealing device. E. E. Franz. 2,580,668, Jan. 1.
Elastomer product. H. Romeyn, Jr., and J. F. Petras. 2,600,024, June 10.
Elastomer stopper. W. F. Butler, T. P. Stafford and F. A. Cutter. 2,601,091, June 17.
Electret array sensitive to radio waves. R. H. Rines. 2,610,245, Sept. 9.
Electric accumulator. H. G. André. 2,594,713, Apr. 29.
Electric accumulators, Making. H. G. André. 2,611,792, Sept. 23.
Electric actuating device. J. A. Hassan. 2,609,463, Sept. 2.
Electric actuator. T. S. Briskin. 2,606,257, Aug. 5.
Electric and ultrahigh-frequency heating apparatus, Combination. G. W. Schroeder. 2,597,825, May 20.
Electric air heater. J. W. Cartinhour. 2,619,579, Nov. 25.
Electric air heater. M. H. Winner, Jr. 2,580,634, Jan. 1.
Electric altimeter. G. V. Rylsky and E. P. Anderson. 2,619,572, Nov. 25.
Electric ammunition assist feeder control. M. R. Ransom and A. H. Kuriloff. 2,608,133, Aug. 26.
Electric amplifier with negative feedback. A. H. Roche. 2,611,833, Sept. 23.
Electric appliance and stand assembly therefor. J. F. Frazier. 2,611,069, Sept. 16.
Electric appliance control. R. R. Candor. 2,606,991, Aug. 12.
Electric arc furnace. W. E. Moore. 2,596,708, May 13.
Electric arc lamp. G. Lobbé. 2,603,759, July 15.
Electric arc welding. W. Moerman. 2,587,195, Feb. 26.
Electric arc welding. A. Muller. 2,621,278, Dec. 9.
Electric arc welding. P. C. van der Willigen. 2,587,251. Feb. 26.
Electric-arc welding apparatus. T. L. H. Butterfield. 2,622,179, Dec. 16.
Electric ballast. H. W. Lord. 2,598,399, May 27.
Electric battery composed of flat elements. A. Héraud. 2,591,355. Apr. 1.
Electric bell tone generator mechanism. J. T. Kunz. 2,582,441, Jan. 15.
Electric blanket control. H. C. Sway. 2,598,081, May 27.
Electric blanket control. C. R. Turner. 2,611,855, Sept. 23.
Electric boiler. M. Eaton. 2,611,852, Sept. 23.
Electric brake. P. E. Bessiere. 2,617,052. Nov. 4.
Electric cable connector. M. D. Bergan. 2,587,095, Feb. 26.
Electric cable reel. S. C. Moon. 2,612,569, Sept. 30.
Electric cable sheathing. H. G. Johnstone. 2,589,700, Mar. 18.
Electric capacitor and making it. P. Eisler. 2,607,825, Aug. 19.
Electric circuit. L. Y. Lacy. 2,601,403, June 24.
Electric circuit. A. van de Wiel. 2,617,085, Nov. 4.
Electric circuit and component. J. D. Heibel. 2,613,252, Oct. 7.
Electric circuit assembly. J. C. Van Arsdell, Jr. 2,607,821, Aug. 19.
Electric circuit breaker. W. D. Boller, W. D. Berkley, W. Ernst, and E. W. Landmeier. 2,618,716, Nov. 18.
Electric circuit breaker. E. Lange. 2,612,576. Sept. 30.
Electric circuit components, Manufacture of. P. Eisler. 2,587,568, Feb. 26.
Electric circuit comprising electric discharge device. J. M. Ferguson and C. Brown. 2,597,980, May 27.
Electric circuit interrupter. W. E. Paul. 2,604,562, July 22.
Electric circuit make and break device for detecting unbalance in rotating bodies. H. E. Hermann. 2,604,558, July 22.
Electric circuit timing switch. C. J. Cadwell and F. M. Adamson. 2,593,727. Apr. 22.
Electric cladding. M. W. Marshall and J. H. Waxmeiler. 2,585,568. Feb. 12.
Electric clutch. A. Winther. 2,617,053. Nov. 4.
Electric coil. I. C. McKechnie. 2,592,817. Apr. 15.
Electric computing mechanism. S. M. Marco. 2,584,897. Feb. 5.
Electric condenser. H. F. Schwarz and W. J. O'Brien. 2,580,612, Jan. 1.
Electric connection and producing the same. K. J. Aversten. 2,604,570, July 22.
Electric connector. G. B. Benander and G. R. Lawson. 2,609,415, Sept. 2.
Electric connector. H. D. Cousins. 2,609,416, Sept. 2.
Electric connector adapter. A. W. Tonn. 2,598,862, June 3.
Electric connector block. F. H. Burgess. 2,597,286, May 20.
Electric connector female member. H. W. Batcheller. 2,600,190, June 10.
Electric control apparatus. G. H. Pohm. 2,595,099. Apr. 29.
Electric control circuits. B. Cooper and C. D. Cillié. 2,607,893, Aug. 19.
Electric control device. H. S. Chase. 2,606,237, Aug. 5.
Electric control for brake mechanisms. M. M. McCoy. 2,596,779, May 13.
Electric control for hangar telescopic canopy doors. F. D. Noble. 2,583,662, Jan. 29.
Electric control for phonographs. L. J. Andres. 2,614,674, Oct. 21.
Electric control for trailer brakes. C. R. Bacca. 2,615,103, Oct. 21.
Electric control system. E. T. Davis. 2,617,089, Nov. 4.
Electric control system. C. E. Greene. 2,609,524, Sept. 2.
Electric control system. J. Robinson. 2,613,346. Oct. 7.
Electric controlling apparatus. F. G. Logan. 2,585,332, Feb. 12.
Electric converting apparatus. F. Kesselring and E. Wettstein. 2,617,974, Nov. 11.
Electric converting device. J. Sieplan. 2,619,627, Nov. 25.
Electric cooking element and range top. H. Tillapaugh. 2,615,117. Oct. 21.
Electric cord housing. H. V. Martin. 2,582,787. Jan. 15.
Electric cord reel. A. H. Ringstad. 2,606,979, Aug. 12.
Electric cord slack storage device. F. J. Dever. 2,587,707. Mar. 4.
Electric counting and integrating system. E. H. Krause. 2,610,793. Sept. 16.
Electric current generating means. D. F. Shankle and J. E. Barkle. 2,608,680. Aug. 26.
Electric current generator. F. O'Connor. 2,583,589, Jan. 29.
Electric currents with cyclic wave form, Producing. H. E. Kallmann. 2,581,798, Jan. 8.
Electric data processor. G. L. Betts. 2,598,155. May 27.
Electric delay circuit. R. E. Collis and J. W. Dehn. 2,600,482, June 17.
Electric device. T. I. S. Vermeiren. 2,596,743, May 13.
Electric device continuity tester. A. G. Foote. 2,586,319, Feb. 19.
Electric device to bring earth-worms to the surface of the ground. W. C. Fenton. 2,607,164, Aug. 19.
Electric discharge apparatus. W. E. Large. 2,624,040, Dec. 30.
Electric discharge device. W. Elenbaas, D. Kolkman, and R. W. Van Der Wolf. 2,598,241, May 27.
Electric discharge device. E. D. McArthur. 2,613,332, Oct. 7.
Electric discharge device. A. H. Reeves. 2,603,765, July 15.
Electric discharge device. H. C. Steiner. 2,612,613, Sept. 30.
Electric discharge tube. E. T. Casellini. 2,611,109, Sept. 16.
Electric discharge tube. G. Diemer. 2,619,614, Nov. 25.
Electric discharge tube. J. L. H. Jonker and G. Diemer. 2,582,203, Jan. 8.
Electric discharge tube. A. H. Reeves. 2,593,486, Apr. 22.
Electric discharge tube. A. H. Reeves. 2,623,191, Dec. 23.
Electric discharge tube. A. J. W. M. van Overbeek. 2,617,078, Nov. 4.
Electric discharge tube comprising means for producing and deflecting an electron beam. A. J. W. M. van Overbeek. 2,617,075, Nov. 4.
Electric discharge tube containing an alkaline metal. W. H. L. Claessen. 2,615,140, Oct. 21.
Electric drill pipe cleaning attachment. A. C. Larsen. 2,617,135, Nov. 11.
Electric enamel furnace. R. E. Skinner and G. H. McIntyre. 2,610,217, Sept. 9.
Electric eye for automatically operating flushing valves. L. Bokser. 2,603,794, July 22.
Electric farm gate. C. E. Young. 2,582,666, Jan. 15.
Electric fence. H. W. Norris. 2,610,224. Sept. 9.
Electric fence energizer. L. J. Schilling. 2,602,844, July 8.
Electric field heat-treatment of liquids. J. W. Robertson. 2,582,281. Jan. 15.
Electric field strength measurement. R. S. Havenhill and L. E. Carlson. 2,587,156, Feb. 26.
Electric filter. H. H. Scott. 2,606,973, Aug. 12.
Electric fixture for elongated tubular lamps. T. Curzon. 2,595,771, May 6.
Electric flash welding. W. C. Heath. 2,617,004. Nov. 4.
Electric flasher switch. J. G. Mejean. 2,583,789, Jan. 29.
Electric flow heater. A. Gernd. 2,618,732, Nov. 18.
Electric furnace. G. T. Muehlenkamp. 2,594,972, Apr. 29.
Electric furnace. V. Rajtora. 2,599,779, June 10.
Electric glass furnace. E. Lubatti. 2,591,708, Apr. 8.
Electric glass melting process. R. Gallois. 2,585,761, Feb. 12.
Electric glow discharge tube. T. Hagenberg. 2,617,067, Nov. 4.

Electric graphitizing furnace. P. R. Jucknieas. 2,621,218, Dec. 9.
Electric hand lantern of the horizontally elongated type. G. G. Potekin. 2,611,072, Sept. 16.
Electric head bolt heater for internal-combustion engines. A. L. Freeman. 2,611,066, Sept. 16.
Electric heat shaver. J. R. Hunt. 2,622,319, Dec. 23.
Electric heat treating furnace. H. E. Koch. 2,611,790, Sept. 23.
Electric heater. D. B. Cox. 2,600,486, June 17.
Electric heater. R. Cox and H. Sipkes. 2,596,327, May 13.
Electric heater. F. E. Hasley. 2,617,002, Nov. 4.
Electric heater. P. Lovfald. 2,594,465, Apr. 29.
Electric heater. D. L. McFarland. 2,612,591, Sept. 30.
Electric heater. H. W. Suhr. 2,623,154, Dec. 23.
Electric heater. C. H. Turner and K. E. Koefoed. 2,599,029, June 3.
Electric heater. G. C. Wicks. 2,588,314, Mar. 4.
Electric heater control. P. J. Guillot and H. R. Karp. 2,616,019, Oct. 28.
Electric heating. F. E. Hasley. 2,617,001, Nov. 4.
Electric heating. R. L. Jones. 2,590,417, Mar. 25.
Electric heating device. R. L. Bergen and W. B. Johnson. 2,607,876, Aug. 19.
Electric heating device. F. E. Hasley. 2,617,009, Nov. 4.
Electric heating element. D. B. Cox. 2,610,286, Sept. 9.
Electric heating element and producing the same. T. W. Glynn. 2,622,178, Dec. 16.
Electric heating elements, Making. C. Lacy-Hulbert and A. V. Barton. 2,591,442, Apr. 1.
Electric heating of wash boilers and the like. C. Clegg. 2,582,103, Jan. 8.
Electric heating pad. D. B. MacKendrick. 2,617,011, Nov. 4.
Electric heating pad support. J. D'Albora. 2,608,636, Aug. 26.
Electric heating switch. H. F. Freeman. 2,599,171, June 3.
Electric high-frequency generator. L. Dreyfus. 2,609,412, Sept. 2.
Electric ignition and automatic pilot for gaseous fuel burners. S. G. Eskin. 2,614,622, Oct. 21.
Electric impulse collecting and registering installation. R. Milburn. 2,592,312, Apr. 8.
Electric impulse generator. J. L. Bisch. 2,617,851, Nov. 11.
Electric incandescent lamp. G. Riccomagno. 2,592,823, Apr. 15.
Electric incandescent lamp. J. Rijnders. 2,617,062, Nov. 4.
Electric incandescent lamp. R. E. Smith. 2,597,681, May 20.
Electric incandescent lamp. J. E. Stone and J. O. Geissbuhler. 2,605,436, July 29.
Electric induction motor with totally enclosed liquid-proof stator. A. Radice. 2,615,068, Oct. 21.
Electric integrating circuit. F. R. Milsom. 2,583,587, Jan. 29.
Electric internal-combustion engine head bolt heater. A. L. Freeman. Re. 23,449, Jan. 15.
Electric iron. J. H. Beach. 2,597,700, May 20.
Electric iron. E. Brauner and M. J. Denning. 2,589,040, Mar. 4.
Electric iron. G. S. Mattera. 2,606,378, Aug. 12.
Electric iron. M. A. Rollman. 2,593,194, Apr. 15.
Electric iron holder. O. Fjermestad. 2,585,758, Feb. 12.
Electric lamp holder for elongated tubular lamps having parallel contact pins. J. H. F. van Werd and C. H. J. Anderson. 2,616,943, Nov. 4.
Electric lighting arrester. G. Rydbeck. 2,611,107, Sept. 16.
Electric lighting fitting having the lamp and control elements therefor removable as a unit. F. L. Cator and F. W. Thorpe. 2,584,671, Feb. 5.
Electric line-up clamp. B. V. Elliott. 2,594,000, Apr. 22.
Electric liquid heater. L. G. Bowen. 2,607,878, Aug. 19.
Electric marking. L. Pessel. 2,606,807, Aug. 12.
Electric mat switch. S. S. Rohv. 2,611,049, Sept. 16.
Electric melting furnace. A. D. Smith. 2,589,301, Mar. 18.
Electric method and system for measuring impedance magnitude and phase angle. L. E. Packard and H. H. Scott. 2,593,175, Apr. 15.
Electric motor. C. F. Clifford and F. O. Horstmann. 2,606,222, Aug. 5.
Electric motor. L. A. Pfiffy. 2,584,365, Feb. 5.
Electric motor. F. A. Quick. 2,589,959, Mar. 18.
Electric motor. F. A. Ryder and R. D. Randall. 2,607,816, Aug. 19.
Electric motor and operation. S. S. Brown. 2,622,232, Dec. 16.
Electric motor brush holder connection and making same. E. L. Verhagen. 2,617,952, Nov. 11.
Electric motor control system. J. C. Ryder. 2,613,338, Oct. 7.
Electric motor control system. R. V. Werner. 2,585,710, Feb. 12.
Electric motor driven jig-saw unit. T. R. Bush. 2,609,016, Sept. 2.
Electric motor frame having coolant system incorporated therein. R. R. Hayes. 2,611,798, Sept. 23.
Electric motor load indicator. R. R. Proctor and L. E. Ellison. 2,605,304, July 29.
Electric motor shaft and bearing construction. R. W. Esarey. 2,619,391, Nov. 25.
Electric motor speed control system. E. E. Turner, Jr. 2,590,356, Mar. 25.
Electric motor suitable for use in dirty and dusty atmosphere. T. R. Wieseman and M. W. Osborn. 2,618,737, Nov. 18.
Electric motor support. O. A. Sutton. 2,607,819, Aug. 19.
Electric nerve stimulator. H. Nemec. 2,622,601, Dec. 23.
Electric oil well heater. F. Colby. 2,615,114, Oct. 21.
Electric oscillation generator. A. R. Warner and D. A. Ward. 2,598,473, May 27.
Electric oscillatory circuit device. H. G. Kehbel. 2,584,592, Feb. 5.
Electric outlet box. P. J. Glosier. 2,596,236, May 13.
Electric outlet for barber's chair. W. R. Ashby. 2,586,595, Feb. 19.
Electric outlet molding with movable outlet. E. N. and R. S. Wright. 2,617,849, Nov. 11.
Electric planer, Portable. W. F. Draper. 2,583,637, Jan. 29.
Electric plant thinning apparatus. E. C. Rainey. 2,607,165, Aug. 19.
Electric player for carillons, Disk operated. A. Marra. 2,598,574, May 27.
Electric plug. D. M. Morgenstern. 2,605,318, July 29.
Electric power apparatus for steering and the like. W. F. Penrose. 2,587,377, Feb. 26.
Electric power assistor. E. G. Staude. Re. 23,550, Sept. 9.
Electric power distribution system. J. F. Atkinson, H. W. Kelley, and J. M. McCutchen. 2,590,083, Mar. 25.
Electric power indicating switch. L. N. Benner. 2,610,237, Sept. 9.
Electric power supply system. F. M. Reed. 2,591,605, Apr. 1.
Electric power system. J. M. Pestarini. 2,587,648, Mar. 4.
Electric power system. J. M. Pestarini. 2,593,482-3, Apr. 22.
Electric printing. W. J. Hooper. 2,583,375, Jan. 22.
Electric proportioning controller with pneumatic reset. W. H. Wannamaker, Jr., and D. P. Eckman. 2,582,088, Apr. 8.
Electric prospection of the subsoil. G. Kunetz. 2,623,097, Dec. 23.
Electric protection and warp stop for looms, Combined. R. F. Dion. 2,586,311, Feb. 19.
Electric protection and warp stop for looms, Combined. F. W. Paul. 2,586,373, Feb. 19.
Electric protection for looms. C. W. Moss. 2,586,552, Feb. 19.
Electric protection for looms. C. W. Moss and W. A. Blanchard. 2,586,371, Feb. 19.
Electric protection means for looms. W. A. Blanchard. 2,609,010, Sept. 2.
Electric pulse delay circuit. D. H. Westwood. 2,599,305, June 3.
Electric pulse-forming shot-firing device. G. Muffly. 2,623,922, Dec. 30.
Electric pulse generator. A. H. Reeves. 2,581,442, Jan. 8.
Electric pulse secrecy communication system. E. M. Deloraine and E. Labin. 2,582,968, Jan. 22.
Electric range heating element supporting structure. E. A. Rutenber and H. Tillapaugh. 2,610,281, Sept. 9.
Electric recording apparatus. H. A. Stamper. 2,596,446, May 13.
Electric refrigeration and defroster controller. I. E. McCabe. 2,584,482, Feb. 5.
Electric regulating system responsive to currents in two load conductors. B. Volgovskoy. 2,604,498, July 22.
Electric relay. K. G. King. 2,613,254, Oct. 7.
Electric relays. H. E. Ashworth. 2,581,510, Jan. 8.
Electric resistance apparatus. L. A. Newnham. 2,596,503, May 13.
Electric resistance apparatus. H. Paul-Huhne. 2,613,300, Oct. 7.
Electric resistance heater. T. W. Glynn. 2,623,971, Dec. 30.
Electric rocker switch. W. H. Gilliland. 2,593,436, Apr. 22.
Electric room heater. E. A. Farr and J. P. Theisen. 2,590,600, Mar. 25.
Electric safety switch. P. B. and H. C. Richardson. 2,611,061, Sept. 16.
Electric safety wall box. F. R. Elmore. 2,590,391, Mar. 25.
Electric seat adjuster and the like. P. F. Rossmann. 2,588,165, Mar. 4.
Electric sequence and timing circuits. M. E. Bivens. 2,614,240, Oct. 14.
Electric service rack, particularly for low buildings. E. J. Fisher. 2,618,683, Nov. 18.
Electric shaver light. L. L. Perry. 2,595,287, May 6
Electric shock eliminator. F. L. Lippy. 2,614,155, Oct. 14.
Electric snap switch. F. J. Trainor. 2,592,357, Apr. 8.
Electric socket and receptacle. G. B. Benander. 2,620,374, Dec. 2.
Electric socket for miniature tubes. S. M. Del Camp. 2,613,244, Oct. 7.

Electric soldering iron. A. L. Johnson. 2,588,531, Mar. 11.
Electric space heater. J. Gaudette. 2,583,526, Jan. 29.
Electric steam generator and control means therefor. K. Toensfeldt. 2,623,980, Dec. 30.
Electric steaming iron. R. G. Boardman and A. P. Thomas. 2,589,921, Mar. 18.
Electric stop mechanism for jeeps. R. O. Brunsell. 2,598,757, June 3.
Electric strain gauge. J. N. Baker. 2,623,386, Dec. 30.
Electric switch. P. M. Christensen. 2,596,983, May 20.
Electric switch. F. H. Cole. 2,602,866, July 8.
Electric switch. A. E. Felton and F. H. Price. 2,595,569, May 6.
Electric switch. T. Finizie. 2,596,893, May 13.
Electric switch. M. N. Glickman. 2,597,080, May 20.
Electric switch. W. A. Gussow. 2,582,326, Jan. 15.
Electric switch. E. K. Haydon. 2,623,960, Dec. 30.
Electric switch. F. Houst. 2,598,546, May 27.
Electric switch. W. J. Hubbard. 2,601,142, June 17.
Electric switch. E. N. Jacobi. 2,601,398, June 24.
Electric switch. A. L. Judson. 2,598,556, May 27.
Electric switch. L. J. Karl. 2,623,142, Dec. 23.
Electric switch. A. G. Kling and R. L. Wolff. 2,622,174, Dec. 16.
Electric switch. M. F. Koenig. 2,617,903, Nov. 11.
Electric switch. E. F. Mekelburg and W. M. Shallcross. 2,623,136, Dec. 23.
Electric switch. E. E. Noyes. 2,585,824, Feb. 12.
Electric switch. H. V. Nye. 2,597,257, May 20.
Electric switch. C. A. Schaefer. 2,610,265, Sept. 9.
Electric switch. A. G. Seifried. Re. 23,530, July 29.
Electric switch. H. B. Speaker. 2,588,424, Mar. 11.
Electric switch. H. C. Swan. 2,616,005, Oct. 28.
Electric switch. H. L. Van Valkenburg and K. G. Sedgwick. 2,589,167, Mar. 11.
Electric switch. W. H. Vogelsberg. 2,623,137, Dec. 23.
Electric switch. C. A. Woodward. 2,606,263, Aug. 5.
Electric switch. J. W. Woolf. 2,587,948, Mar. 4.
Electric switch actuating mechanism for lamps. G. J. Hines. 2,608,645, Aug. 26.
Electric switch control station. C. A. Schaefer. 2,595,414, May 6.
Electric tape. J. Pinsky. 2,622,656, Dec. 23.
Electric terminal and conductor mounting. A. R. Liaci. 2,584,476, Feb. 5.
Electric terminal connector. F. S. Lamb. 2,615,950, Oct. 28.
Electric terminal for dry batteries. M. E. Wilke. 2,590,284, Mar. 25.
Electric test device. E. J. Fischer. 2,598,775, June 3.
Electric thread heater. A. A. Atkins. 2,617,007, Nov. 4.
Electric timing device. S. G. Crane. 2,588,908, Mar. 11.
Electric translating system. J. R. Gilmer. 2,618,774, Nov. 18.
Electric translating system. W. J. Holt, Jr. 2,590,319, Mar. 25.
Electric trigger circuits. C. de B. White. 2,624,016, Dec. 30.
Electric tunnel kiln. E. Van der Pyl. 2,582,855, Jan. 15.
Electric valve control circuits. M. E. Bivens. 2,611,863, Sept. 23.
Electric vehicle running between two charging stations without a contact-line. B. Storsand. 2,589,453, Mar. 18.
Electric wallpaper cutting tool. A. Dahowski 2,605,544, Aug. 5.
Electric water heater. D. M. McGinnis. 2,623,153, Dec. 23.
Electric water-heating system. F. G. Neth and J. F. Templeman. 2,589,566, Mar. 18.
Electric water-heating tap. J. L. Duprat. 2,597,713, May 20.
Electric wave filter. B. B. Jacobsen and W. J. Mitchell. 2,611,874, Sept. 23.
Electric wave filter. M. Morrison. 2,623,944, Dec. 30.
Electric wave filter. H. T. Prior and T. W. Fisher. 2,619,535, Nov. 25.
Electric weft detecting system for drop box looms. V. F. Sepavich and R. A. Donnan. 2,592,199, Apr. 8.
Electric weft detecting system for shifting shuttle box looms. R. A. Donnan. 2,592,126, Apr. 8.
Electric welding. M. Komers and H. Pötzl. 2,620,423, Dec. 2.
Electric welding control with phase shift. S. C. Rockafellow. 2,605,448, July 29.
Electric welding supply circuit. C. E. Slade and A. Kershaw. 2,591,972, Apr. 8.
Electric wire insulator support. D. D. Harding. 2,592,030, Apr. 8.
Electrical adapter unit. T. E. Carroll. 2,580,515, Jan. 1.
Electrical apparatus. A. W. Albrecht. 2,594,111, Apr. 22.
Electrical apparatus. D. F. Alexander. 2,608,067, Aug. 26.
Electrical apparatus. D. F. Alexander. 2,612,543, Sept. 30.
Electrical apparatus. A. Alford. 2,594,839, Apr. 29.
Electrical apparatus. C. G. Buckley. 2,604,499, July 22.
Electrical apparatus. J. V. Caputo and T. J. Crawford. 2,600,844, June 17.
Electrical apparatus. R. R. English. 2,610,299, Sept. 9.
Electrical apparatus. J. W. Jacobs. 2,611,275, Sept. 23.
Electrical apparatus. A. M. J. Janser and C. S. Townsend. 2,590,323, Mar. 25.
Electrical apparatus. C. A. P. Johnson and A. T. Morrison. 2,581,861, Jan. 8.
Electrical apparatus. J. D. Kraus. 2,583,953, Jan. 29.
Electrical apparatus. E. J. Mastney. 2,594,190, Apr. 22.
Electrical apparatus. T. A. Prugh and R. L. Beam. 2,616,954, Nov. 4.
Electrical apparatus. A. C. Ten Cate. 2,607,596, Aug. 19.
Electrical apparatus. G. E. Wickman. 2,606,218, Aug. 5.
Electrical apparatus for detecting the presence of moving objects. J. Collard. 2,591,919, Apr. 8.
Electrical apparatus for detecting unbalance in rotating bodies. J. C. Mesa. 2,616,288, Nov. 4.
Electrical apparatus for measuring angles. L. Fein. 2,614,171, Oct. 14.
Electrical apparatus for simulating the time dependent response characteristic of neutronic reactors. H. A. Straus, P. R. Bell, Jr., and F. H. Murray. 2,587,919, Mar. 4.
Electrical apparatus for testing radio equipment. R. E. Larson. 2,603,742, July 15.
Electrical apparatus for vacuum measurement. F. H. Townsend. 2,609,423, Sept. 2.
Electrical apparatus using metallized circuits and components therefor. T. Nieter. 2,593,479, Apr. 22.
Electrical appliance for producing oscillations or vibrations for laundry purposes. K. Volk, E. Holzbaur and E. Klemm. 2,623,376, Dec. 30.
Electrical bingo game board. B. C. Quimby. 2,591,869, Apr. 8.
Electrical breakdown device. C. W. Jacob. 2,582,202, Jan. 8.
Electrical breakdown testing apparatus. S. E. Frisbie and G. E. Weeks. 2,589,070, Mar. 11.
Electrical brush contact device. G. R. Lum. 2,581,266, Jan. 1.
Electrical cable with intermediate disconnect means. R. K. Schelke. 2,605,314, July 29.
Electrical capacitor. G. T. Kodama. 2,582,931, Jan. 15.
Electrical capacitor. P. Robinson. 2,623,096, Dec. 23.
Electrical capacitor and foil therefor. H. Arledter and R. Engelhardt. 2,593,829, Apr. 22.
Electrical capacitor containing a stabilizer. F. M. Clark. 2,594,873, Apr. 29.
Electrical cavity resonator for microwaves. R. W. Marshall. 2,587,055, Feb. 26.
Electrical cell apparatus for detecting chemical characteristics of liquids. C. F. Wallace. 2,585,059, Feb. 12.
Electrical cell apparatus for testing liquids. C. F. Wallace. 2,585,060, Feb. 12.
Electrical centrifugal switch. C. E. Sprague and A. L. Judson. 2,586,734, Feb. 19.
Electrical clasp connector. M. D. Bergan and M. A. Graham. 2,615,736, Oct. 28.
Electrical coin dispenser. L. Schlabach, Sr. 2,600,026, June 10.
Electrical communication cable. E. W. Smith. 2,623,093, Dec. 23.
Electrical components, Producing. P. Eisler. 2,582,685, Jan. 15.
Electrical computing system. R. H. Griest and D. E. Wooldridge. 2,616,625, Nov. 4.
Electrical condenser. G. G. Herrick. 2,606,955, Aug. 12.
Electrical condenser. A. Liechti. 2,589,831, Mar. 18.
Electrical condenser. P. Robinson and C. C. Reid. 2,590,650, Mar. 25.
Electrical condensers, Making. P. Robinson. 2,619,443, Nov. 25.
Electrical conducting means for relatively rotating structures. F. M. Price and R. M. Johnston. 2,588,410, Mar. 11.
Electrical-conductive rubbery composition and making same. J. H. Macey. 2,597,741, May 20.
Electrical conductivity testing apparatus. R. B. Hartman. 2,585,121, Feb. 12.
Electrical conductor. P. H. Sanborn. 2,590,894, Apr. 1.
Electrical conductors and making the same. E. A. J. Mol. 2,600,567, June 17.
Electrical connecting terminal strap. S. S. S. Hasselbohm. 2,583,530, Jan. 29.
Electrical connection box. J. E. Dieffenderfer. 2,581,755, Jan. 8.
Electrical connection fastener. F. S. Sampson. 2,599,488, June 3.
Electrical connection for strip conductors. F. S. Sampson. 2,623,086, Dec. 23.
Electrical connection plug. A. J. Roger. 2,597,262, May 20.
Electrical connector. E. R. Capita. 2,593,981, Apr. 22.
Electrical connector. J. C. Macy. 2,600,012, June 10.
Electrical connector. E. S. Miller. 2,623,092, Dec. 23.
Electrical connector. K. R. Runde. 2,597,037, May 20.
Electrical connector for well tools. G. F. Turechek and R. A. Phillips. 2,620,029, Dec. 2.
Electrical connector with adjustable cover. H. H. Burtt, W. W. Koenig and L. Gilbert. 2,610,222, Sept. 9.
Electrical contact. G. Deakin. 2,591,684, Apr. 8.
Electrical contact. R. U. Volterra. 2,600,175, June 10.
Electrical contact assembly. W. H. Kitto. 2,614,195, Oct. 14.
Electrical contact mounting. C. Savage. 2,619,569, Nov. 25.

Electrical contacting equipment. B. W. Benbow. 2,583,318, Jan. 22.
Electrical control. G. H. Lister. 2,613,253, Oct. 7.
Electrical control apparatus. E. D. Mead and O. S. A. Mesch. 2,590,263, Mar. 25.
Electrical control circuit. R. Golden. 2,590,606, Mar. 25.
Electrical control mechanism. R. H. Long. 2,598,184, May 27.
Electrical control means for driving mechanisms. D. I. Critoph. 2,615,148, Oct. 21.
Electrical control means for film driving mechanisms. R. C. Beitz. 2,610,540, Sept. 16.
Electrical control system. A. J. Hornfeck. 2,611,812, Sept. 23.
Electrical control system. J. W. Picking. 2,601,002, June 17.
Electrical control system. S. C. Rockafellow. 2,587,385, Feb. 26.
Electrical control system. G. E. Undy. 2,583,755, Jan. 29.
Electrical control system. G. E. Undy. 2,600,941, June 17.
Electrical control system for burners and control devices therefor. F. B. Aubert. 2,618,323, Nov. 18.
Electrical controlling apparatus. W. T. Marchment, J. R. Boundy, and S. A. Bergen. 2,608,678, Aug. 26.
Electrical conversion network. F. D. Greenleaf. 2,612,630, Sept. 30.
Electrical converter. W. M. Brubaker. 2,616,045, Oct. 28.
Electrical counter circuit. M. E. Mohr. 2,594,336, Apr. 29.
Electrical coupling for detachably connecting conductor ends. H. J. Modrey. 2,606,224, Aug. 5.
Electrical crystal-contact device. E. G. James and A. O. E. Lindell. 2,584,461, Feb. 5.
Electrical crystal contact device. E. G. James and A. O. E. Lindell. 2,597,734, May 20.
Electrical deepwell pump. P. W. Martin. 2,604,049, July 22.
Electrical device. J. F. Levers and R. V. Patchett. 2,582,341, Jan 15.
Electrical device and terminal therefor. J. R. Joyce. 2,581,024, Jan. 1.
Electrical device embodying ferro-electric substance. B. T. Matthias. 2,598,707, June 3.
Electrical device enclosed within envelopes, Thermally adjustable. A. H. Atherton. 2,591,907, Apr. 8.
Electrical device, Point-contact. E. W. Burke, Jr. 2,586,609, Feb. 19.
Electrical differentiating circuit. L. H. Bedford and L. Jofeh. 2,609,448, Sept. 2.
Electrical discharge lamp. H. E. Krefft. 2,596,697, May 13.
Electrical distribution box. E. G. Johansson. 2,583,105, Jan. 22.
Electrical driving circuit. J. W. Gray. 2,594,912, Apr. 29.
Electrical drying device. E. C. Landon. 2,590,021, Mar. 18.
Electrical dynamometer control system. E. H. Hornbarger. 2,618,969, Nov. 25.
Electrical energizing means for limit control devices and the like. P. L. Betz. Re. 23,470, Mar. 18.
Electrical energy measuring apparatus. D. R. Stewart. 2,595,373, May 6.
Electrical filter. E. S. Purington. 2,589,133, Mar. 11.
Electrical fire control calculating apparatus. L. H. Bedford, J. Bell, and E. M. Langham. 2,623,692, Dec. 30.
Electrical fuse cutout. R. A. Gesellschap. 2,585,003, Feb. 12.
Electrical generator. A. H. Barnes. 2,588,466, Mar. 11.
Electrical heating apparatus. C. L. Cowdrey and J. Kinsella. 2,590,944, Apr. 1.
Electrical heating device for poultry watering bowls. J. W. Goff. 2,613,311, Oct. 7.
Electrical heating element. H. N. Shaw. 2,602,130, July 1.
Electrical heating element for cooking range ovens. R. G. Sheldler. 2,622,181, Dec. 16.
Electrical heating unit. R. D. Bremer. 2,618,731, Nov. 18.
Electrical ignition control. C. Colvin. 2,596,840, May 13.
Electrical ignition system. W. B. Smits. 2,584,507, Feb. 5.
Electrical ignition system. W. B. Smits. 2,587,780, Mar. 4.
Electrical impedance unit. E. C. Altenberger. 2,618,740, Nov. 18.
Electrical impulse device. M. E. Miller. 2,610,583, Sept. 16.
Electrical indicating device. E. B. Moss and C. W. Cooper. 2,614,244, Oct. 14.
Electrical indicating device. J. A. Taylor and M. A. Knight. 2,585,974, Feb. 19.
Electrical indicating pin ball device. L. A. Durant. 2,618,486, Nov. 18.
Electrical indicating system. T. J. Smulski. 2,615,085, Oct. 21.
Electrical indicator of mechanical expansion. K. B. Blodgett and V. J. Schaefer. 2,589,983, Mar. 18.
Electrical inductor. A. E. Harrold. 2,592,802, Apr. 15.
Electrical instruction board. L. De Florez and D. K. Morrison. 2,592,552, Apr. 15.
Electrical instrument with permanent magnet core. K. M. Lederer. 2,607,812, Aug. 19.
Electrical integrating circuit arrangement. E. L. C. White. 2,621,292, Dec. 9.
Electrical integration circuit. W. A. Higinbotham. 2,589,807, Mar. 18.
Electrical interval timer. P. L. Caffier and M. Zuckerman. 2,623,584, Dec. 30.
Electrical investigation of the ground. G. Kunetz. 2,586,667, Feb. 19.
Electrical light-transmission controlling arrangement. H. Jaffe. 2,591,701, Apr. 8.
Electrical light-transmission controlling arrangement. H. Jaffe. 2,618,962, Nov. 4.
Electrical lighting arrester. G. Rydbeck. 2,611,108, Sept. 16.
Electrical logging. C. B. Aiken. 2,592,101, Apr. 8.
Electrical logging in well bores. T. R. Homer. 2,622,124, Dec. 16.
Electrical logging method and apparatus. J. M. Pearson. 2,587,518, Feb. 26.
Electrical measurement and recording of acceleration, velocity, and displacements of moving bodies. R. L. Barry and C. C. Boosewetter. 2,598,668, June 3.
Electrical measurement of physical effects, for example mechanical strains. J. G. Yates. 2,611,811, Sept. 23.
Electrical measuring apparatus. J. R. Cannon. 2,616,948, Nov. 4.
Electrical measuring circuits. E. M. S. McWhirter and R. H. Dunn. 2,607,528, Aug. 19.
Electrical measuring system. P. O. Farnham. 2,615,065, Oct. 21.
Electrical measuring system. A. B. Jacobsen. 2,609,533, Sept. 2.
Electrical measuring system. W. C. Welz. 2,623,916, Dec. 30.
Electrical moisture meter. F. B. Woestemeyer. 2,604,785, July 29.
Electrical networks for echo correction in electrical signaling systems. D. C. Espley. 2,597,781, May 20.
Electrical oscillation generator. N. M. Rust, G. E. Partington, D. L. Plaistowe, and D. J. Fewings. 2,618,748, Nov. 18.
Electrical oscillator circuit arrangement. C. E. G. Bailey. 2,617,040, Nov. 4.
Electrical oxidation of aralkyl hydrocarbon. W. J. Cotton. 2,595,227, May 6.
Electrical paint remover. T. B. Walter. 2,588,185, Mar. 4.
Electrical phonograph transducer with multiple styli. R. C. Angle, M. M. Palo, and P. V. Kelly. 2,617,895, Nov. 11.
Electrical pickup for string instruments. E. Grimshaw. 2,581,653, Jan. 8.
Electrical plug connector. H. W. Snyder. 2,603,680, July 15.
Electrical positioning mechanism. L. S. Williams. 2,584,957, Feb. 5.
Electrical power collector assembly. E. Mullen. 2,617,898, Nov. 11.
Electrical power line warning device for vehicles with extended booms. A. H. Albrecht. 2,615,969, Oct. 28.
Electrical precipitation. H. L. Richardson. 2,595,204, Apr. 29.
Electrical precipitation apparatus. R. G. Hanneman. 2,588,111, Mar. 4.
Electrical precipitator. G. E. Andrews. 2,598,337, May 27.
Electrical precipitator. G. Busfield. 2,596,526, May 13.
Electrical precipitator. J. Phyl. 2,592,508, Apr. 8.
Electrical precipitator. N. W. Sultzer. 2,614,652, Oct. 21.
Electrical preformed floor duct. A. M. Geist and R. R. Winders. 2,595,452, May 6.
Electrical probe. L. H. Tinker. 2,615,077, Oct. 21.
Electrical prospecting. W. M. Barret. 2,581,349, Jan. 8.
Electrical prospecting. C. R. Nichols. 2,619,520, Nov. 25.
Electrical protective device. G. F. Lincks. 2,600,305, June 10.
Electrical protective device. G. F. Lincks. 2,612,542, Sept. 30.
Electrical pulse generating circuits. E. L. C. White. 2,586,409, Feb. 19.
Electrical pulse generator. R. S. Stanton. 2,606,289, Aug. 5.
Electrical radiant heating panel. W. Boecher, Jr. and H. J. Harris. 2,623,150, Dec. 23.
Electrical recording. H. G. Greig. 2,619,401, Nov. 25.
Electrical regulating apparatus. G. A. Matthews. 2,617,978, Nov. 11.
Electrical regulator. O. C. Walley and C. F. Scheu. 2,590,223, Mar. 25.
Electrical regulator device and network therefor. M. J. Cohen. 2,617,088, Nov. 4.
Electrical relay. M. B. Robinson. 2,614,184, Oct. 14.
Electrical relay. C. S. Snavely. 2,584,749, Feb. 5.
Electrical relay and solenoid mechanism. J. F. O'Brien and J. B. Cataldo. 2,595,285, May 6.
Electrical relay system. M. Handschin. 2,608,608, Aug. 26.
Electrical relay system. D. B. Kendall. 2,596,900, May 13.
Electrical remote control for gas burners. R. J. Schaefer. 2,595,171, Apr. 29.
Electrical remote-control system. C. L. Goodwin. 2,580,539, Jan. 1.

Electrical resistance. A. Bol. 2,608,633, Aug. 26.
Electrical resistor. E. J. W. Verwey. 2,616,859, Nov. 4.
Electrical resistors, Making. J. J. Cerny. 2,596,325, May 13.
Electrical signal network. A. Cotsworth and W. J. Stroh. 2,619,536, Nov. 25.
Electrical signaling system. M. den Hertog and J. Kruithof. 2,610,255, Sept. 9.
Electrical signaling system. P. N. Roseby. 2,588,767, Mar. 11.
Electrical socket device. J. V. O'Neill and E. E. Overmier. 2,598,824, June 3.
Electrical sound recording, reproducing, and like apparatus. A. F. Sykes. 2,621,260, Dec. 9.
Electrical steel strip, Production of. J. M. Jackson and V. W. Carpenter. 2,582,382, Jan. 15.
Electrical storage battery. E. S. Chapman. 2,620,370, Dec. 2.
Electrical strain gauge and making same. W. L. Howland. 2,621,276, Dec. 9.
Electrical surge discharge power unit. C. C. Robinson. 2,590,069, Mar. 18.
Electrical switch. E. P. Bullard, III. 2,623,970, Dec. 30.
Electrical switch. W. P. Gallagher and C. Weber. 2,608,631, Aug. 26.
Electrical switch. R. A. Gesellschap. 2,620,410, Dec. 2.
Electrical switch. K. A. Harmon and G. A. Guernsey. 2,591,353, Apr. 1.
Electrical switch. A. Hood. 2,597,083, May 20.
Electrical switch. E. N. Jacobi. 2,604,554, July 22.
Electrical switch. M. A. Pastrick. 2,603,733, July 15.
Electrical switch. M. S. Snell. 2,622,163, Dec. 16.
Electrical switch mechanism. F. J. Pavitt. 2,599,657, June 10.
Electrical system. R. C. Moore. 2,606,304, Aug. 5.
Electrical system. C. F. Otis and W. H. Starks. 2,613,334, Oct. 7.
Electrical system for controlling the temperature of individual air streams. E. A. Russell, T. J. Lehane, and R. E. Pidgeon. 2,613,919, Oct. 14.
Electrical system for prolonging life of coated cathodes. C. W. Hansell. 2,616,040, Oct. 28.
Electrical system with output signal varying logarithmically with respect to the input signal. A. W. Nolle. 2,600,423, June 17.
Electrical terminal block. W. P. Rickabaugh. 2,610,996, Sept. 16.
Electrical terminals, Making. L. P. Locke. 2,610,390, Sept. 16.
Electrical test circuit. H. L. Messerschmidt. 2,582,499, Jan. 15.
Electrical test equipment. G. E. Armbruster and C. C. Cole. 2,603,683, July 15.
Electrical test prod. R. E. Kraft and G. Washington, Jr. 2,580,682, Jan. 1.
Electrical tester. M. M. Haslett. 2,583,424, Jan. 22.
Electrical testing apparatus. B. C. Hill and R. R. Stone. 2,609,509, Sept. 2.
Electrical testing apparatus. S. M. Lloyd. 2,603,686, July 15.
Electrical testing apparatus. J. B. Trevor, Jr. 2,619,619, Nov. 25.
Electrical testing device. M. Podell. 2,581,497, Jan. 8.
Electrical throttle control, Manually operated. D. J. Munson. 2,604,115, July 22.
Electrical time-delay network. S. V. Hart. 2,591,810, Apr. 8.
Electrical translating system and method. R. H. Varian. Re. 23,479, Apr. 8.
Electrical trigger circuits. M. C. Burns. 2,604,589, July 22.
Electrical unit, Making an. A. W. Franklin. 2,622,054, Dec. 16.
Electrical water gauge. H. O. Lee. 2,589,714, Mar. 18.
Electrical waveform generator. D. J. Hilferty. 2,596,149, May 13.
Electrical wave producing circuit. L. Y. Lacy. 2,621,295, Dec. 9.
Electrical wave transmission system. R. A. Meers. 2,621,253, Dec. 9.
Electrical well logging apparatus. J. E. Owen. 2,605,321, July 29.
Electrical well logging system. H. C. Waters. 2,617,852, Nov. 11.
Electrical wire attaching device. O. F. Tallman and R. G. Graham. 2,598,728, June 3.
Electrical wiring box. M. M. Lear, Jr. 2,620,081, Dec. 2.
Electrical wiring, Making. A. M. Hathaway. 2,599,710, June 10.
Electrical wiring panel. F. S. Waltersdorf, R. W. Scott, and F. T. Grothouse. 2,613,306, Oct. 7.
Electrically actuated closure operator. H. H. Hall. 2,592,891, Apr. 15.
Electrically coin-operated chair. J. D. Fowler and R. A. Vaughn. 2,602,492, July 8.
Electrically conducting coating on glass and other ceramic bodies. J. M. Mochel. Re. 23,555-6, Sept. 30.
Electrically conducting layer. K. B. Blodgett. 2,597,562, May 20.
Electrically conducting surface and producing same. R. A. Gaiser. 2,602,032, July 1.
Electrically controlled fuel burning automobile heater. J. S. Pace. 2,621,647, Dec. 16.
Electrically controlled indicator for scales. J. Anders. 2,617,871, Nov. 11.
Electrically controlled light filter. K. L. Bell. 2,623,109, Dec. 23.
Electrically controlled stop-motion system. F. A. Hayes. 2,612,127, Sept. 30.
Electrically controlled system and automatic machine for repetition work. G. M. Vale. 2,592,979, Apr. 15.
Electrically driven hospital chair. G. A. Steven. 2,586,273, Feb. 19.
Electrically driven portable appliance. C. H. Gemmill. 2,609,525, Sept. 2.
Electrically driven propeller pitch change system. A. G. Forsyth. 2,612,228, Sept. 30.
Electrically energized cooker. B. Ames. 2,617,008, Nov. 4.
Electrically heated apparatus. C. E. Weller. 2,593,947. Apr. 22.
Electrically heated appliance and stand therefor. C. A. Crawford and A. Miller. 2,609,478, Sept. 2.
Electrically heated chair. F. J. Irving. 2,587,731, Mar. 4.
Electrically heated crib bottom. M. C. Richardson. 2,621,279, Dec. 9.
Electrically heated drier. P. E. Geldhof and H. E. Morrison. 2,619,734, Dec. 2.
Electrically heated drying oven for yarn impregnating machines. W. Jones and J. J. Heslin. 2,612,589, Sept. 30.
Electrically heated fabric. D. C. Spooner, Jr. and M. S. Greenhalgh. 2,581,212, Jan. 1.
Electrically heated floor cover. S. M. Pontiere. 2,619,580, Nov. 25.
Electrically heated implement. G. D. Brock. 2,600,472, June 17.
Electrically heated implement. E. C. Weiskopf. 2,623,977, Dec. 30.
Electrically heated inspissator. S. N. Rosenthal. 2,622,183, Dec. 16.
Electrically heated paint and paper softening tool. P. P. and A. L. Berarducci. 2,612,586, Sept. 30.
Electrically heated paint removing tool. R. H. Green. 2,613,310, Oct. 7.
Electrically heated toilet seat. L. P. Baggett. 2,593,087, Apr. 15.
Electrically heated wire stripping tool. T. E. Marshall, III. 2,620,692, Dec. 9.
Electrically ignited match head and making the same. W. F. Mitcheltree. 2,606,475, Aug. 12.
Electrically operated accumulator. E. L. Triman. 2,613,791, Oct. 14.
Electrically-operated chuck or machine tool. A. H. Lloyd and C. H. Jinman. 2,583,299, Jan. 22.
Electrically operated fluid release valve. J. J. Slomer. 2,620,824, Dec. 9.
Electrically operated liquid level indicator. J. R. McKnight, Jr. 2,593,473, Apr. 22.
Electrically operated printer receiver. R. L. Thompson. 2,604,537, July 22.
Electrically operated propeller pitch change mechanism. R. K. Tiedeman, J. M. Mergen, and C. W. Chillson. 2,620,887, Dec. 9.
Electrically operated steam generator. H. Schmitz. 2,617,010, Nov. 4.
Electroacoustic converter. S. E. Karlsson and S. R. L. Skog. 2,621,261, Dec. 9.
Electroacoustic transducer. E. Klein. 2,601,300, June 24.
Electroacoustical transducer. R. B. Baker. 2,582,942, Jan. 22.
Electrocardiographic electrode. C. B. Leech. 2,621,657, Dec. 16.
Electrochemical method of automatically determining available chlorine in an aqueous liquid. H. C. Marks. 2,585,811, Feb. 12.
Electrochemical process. G. B. L. Smith and M. W. Leeds. 2,589,635, Mar. 18.
Electrochemical process. L. H. Smith. 2,583,899, Jan. 29.
Electroconductive article and production thereof. W. O. Lytle. 2,617,741, Nov. 11.
Electroconductive article and production thereof. E. R. Olson. 2,617,742, Nov. 11.
Electrocopy apparatus. L. E. Walkup, H. E. Copley and W. A. Beckdahl. 2,588,675, Mar. 11.
Electrode. C. L. Strong. 2,617,421, Nov. 11.
Electrode and electrolytic condenser. J. B. Brennan. 2,580,399, Jan. 1.
Electrode and making same. J. B. Brennan. 2,584,980, Feb. 12.
Electrode and terminal assembly for electrolytic devices and making same. J. B. Brennan. 2,604,517, July 22.
Electrode arrangement for fence welding machines. R. C. Vorderstrasse. 2,588,062, Mar. 4.
Electrode arrangements for facsimile recorders. W. H. Tribble. 2,591,640, Apr. 1.
Electrode assembly. A. A. Stuart. 2,602,910, July 8.
Electrode assembly for moisture meters. W. J. Delmhorst. 2,611,006, Sept. 16.
Electrode assemblies, Making. P. L. Reed. 2,589,961, Mar. 18.
Electrode boiler. A. Head. 2,605,381, July 29.
Electrode construction for radio-frequency heating of pneumatic tires, Air bag. R. S. Enabnit. 2,586,526, Feb. 19.
Electrode for air depolarized primary galvanic cells. E. A. Schumacher and R. J. Bennett. 2,597,119, May 20.
Electrode for chromium plating. L. G. De Quasie and R. F. Eisenberg. 2,594,881, Apr. 29.

Electrode for contact with molten glass. A. K. Lyle. 2,623,989, Dec. 30.
Electrode for determining cationic activity. H. W. Patnode and M. R. J. Wyllie. 2,614,976, Oct. 21.
Electrode for electric discharge devices. A. S. Vause. 2,619,706, Dec. 2.
Electrode for electrical systems. R. S. Dean. 2,605,297, July 29.
Electrode for electrostatic filters. G. F. Landgraf. 2,587,173, Feb. 26.
Electrode for electrotherapeutic treatments. F. Landauer. 2,590,876, Apr. 1.
Electrode for electrolytic devices and making same. J. B. Brennan. 2,616,165, Nov. 4.
Electrode for galvanic cells. G. E. Brandt. 2,616,938, Nov. 4.
Electrode holder. H. H. Peyreferry. 2,604,568, July 22.
Electrode holder for use in inert gas-shielded arc welding. N. E. Anderson. 2,616,017, Oct. 28.
Electrode retainer. J. Young. 2,623,080, Dec. 23.
Electrode saving attachment for carbon arc lamps. R. Hanover. 2,584,579, Feb. 5.
Electrode structure for electron discharge devices. H. Jacobs and G. Hees. 2,601,024, June 17.
Electrode structure for vacuum tubes. P. A. Kennebeck. 2,607,016, Aug. 12.
Electrode support for semiconductor devices. K. M. McLaughlin. 2,595,475, May 6.
Electrodepositing hard nickel plate. B. B. Knapp and D. S. Carr. 2,594,933, Apr. 29.
Electrodepositing uranium dioxide. M. Kahn. 2,581,863, Jan. 8.
Electrodeposition of alloys of molybdenum with cobalt, nickel, and iron. M. L. Holt and H. J. Seim. 2,599,178, June 3.
Electrodeposition of arsenic. A. E. Chester. 2,606,147, Aug. 5.
Electrodeposition of cadmium-tin alloy. R. D. Gray, Jr., and W. A. Faecht. 2,609,338, Sept. 2.
Electrodeposition of chromium. F. A. Rojas. 2,587,651, Mar. 4.
Electrodeposition of iron in the form of continuous strips. E. H. Konrad and W. E. C. Eustis. 2,587,630, Mar. 4.
Electrodeposition of metal salts. M. Kahn. 2,608,530, Aug. 26.
Electrodeposition of metals. P. S. Blickensderfer. 2,603,593, July 15.
Electrodeposition of zinc. E. I. Isherwood. 2,602,775, July 8.
Electrodynamic bifilar oscillograph for noiseless sound recording on films. H. Thiemann. 2,585,190, Feb. 12.
Electrodynamic reciprocation apparatus. P. C. Efromson and R. C. Lewis. 2,599,036, June 3.
Electrodynamic recording device. H. C. Arentzen. 2,617,894, Nov. 11.
Electrofilter. J. H. Lindbergh and G. Larsson. 2,616,516, Nov. 4.
Electroforming seamless tubes. A. W. Grant. 2,613,178, Oct. 7.
Electrohydraulic door operating system. E. M. Greer. 2,623,358, Dec. 30.
Electrohydraulic moving device. O. Grebe. 2,605,613, Aug. 5.
Electrohydraulic operating unit for adjustable bed frames. E. V. and N. F. Schnippel, and D. D. Miller. 2,582,565, Jan. 15.
Electrohydraulic ship steering gear. H. W. Link. 2,601,405, June 24.
Electrohydraulic trip device. C. H. Titus. 2,606,261, Aug. 5.
Electrohydraulic valve operating mechanism. C. Morey. 2,582,556, Jan. 15.
Electrokinetic transducing method and apparatus. M. Williams. 2,615,940, Oct. 28.
Electrolyte indicating and control apparatus. P. J. Cade and D. J. MacDougall. 2,611,113, Sept. 16.
Electrolyte level indicator and antisplash device for electric accumulators. R. Gray. 2,590,960, Apr. 1.
Electrolytic apparatus. R. B. Cox. 2,598,228, May 27.
Electrolytic bone decalcification process. M. Gelfand and I. M. Richman. 2,600,107, June 10.
Electrolytic capacitor. R. D. Bügel. 2,616,799, Nov. 4.
Electrolytic capacitor. G. H. Stinson. 2,617,863, Nov. 11.
Electrolytic cell. A. Bennett, D. H. Prince, and G. E. Edwards. 2,599,363, June 3.
Electrolytic cell. J. B. Brennan. 2,602,843, July 8.
Electrolytic cell. G. T. Melklejohn. 2,596,583, May 13.
Electrolytic cell. J. P. Oliver. 2,583,101, Jan. 1.
Electrolytic cell. R. J. Perret-Bit. 2,606,869, Aug. 12.
Electrolytic cell. F. E. Smith and H. B. Williams. 2,592,483, Apr. 8.
Electrolytic cell sealing means. J. B. Brennan. 2,602,832, July 8.
Electrolytic condenser. J. M. Booe. 2,616,953, Nov. 4.
Electrolytic condenser. R. D. Bügel. 2,609,426, Sept. 2.
Electrolytic deposition of iron in the form of powder. G Renman. 2,598,833, June 3.
Electrolytic method. M. C. Taylor. 2,597,545, May 20.
Electrolytic method and apparatus for the manufacture of tapered conductors. T. B. Gibbs, S. Dinerstein, and G. W. Gilman. 2,605,218, July 29.
Electrolytic method of removing burrs. W. H. Brandt, M. W. Rider and R. C. Westphal. 2,590,927, Apr. 1.
Electrolytic method of winding zinc. G. J. J. Mould. 2,602,776, July 8.
Electrolytic method to remove rust. A. A. G. Chapman. 2,615,840, Oct. 28.
Electrolytic polishing. S. B. Emery. 2,582,020, Jan. 8.
Electrolytic polishing apparatus. J. F. Kreml. 2,616,845, Nov. 4.
Electrolytic polishing of metals. P. A. Charlesworth. 2,594,124, Apr. 22.
Electrolytic polishing of stainless steel. J. F. Kreml. 2,607,722, Aug. 19.
Electrolytic preparation of alkali metal chlorites. L. Vanharen, M. Rossier, and L. Vandeur. 2,584,824, Feb. 5.
Electrolytic preparation of manganese dioxide. A. L. Fox. 2,608,531, Aug. 26.
Electrolytic preparation of vanadium oxide. M. J. Portanova and A. Rosinger. 2,606,148, Aug. 5.
Electrolytic process for recovering by-products from industrial waste liquors. G. J. Horvitz. 2,618,592, Nov. 18.
Electrolytic process for stripping copper. R. L. Peaslee. 2,588,566, Mar. 11.
Electrolytic process of preparing selenic acid from selenious acid. J. H. Schloen and L. V. Franchetto. 2,583,799, Jan. 29.
Electrolytic process of producing alkali and alkaline earth metals. L. J. Minnick and C. Presgrave. 2,615,838, Oct. 28.
Electrolytic process of stripping metallic coatings from a ferrous metal base. G. T. Larsen. 2,581,490, Jan. 8.
Electrolytic production of aluminum. L. Ferrand. 2,593,741, Apr. 22.
Electrolytic production of ammonium persulphate solutions. W. S. Wood, G. Clennett, and H. L. Hulland. 2,589,982, Mar. 18.
Electrolytic production of fatty acids. W. H. Groombridge and W. Hunter. 2,192,686, Apr. 15.
Electrolytic production of fluorine. W. N. Howell and H. Hill. 2,592,144, Apr. 8.
Electrolytic production of iron and iron alloys. E. G. R. Angel. 2,622,063, Dec. 16.
Electrolytic tin plating baths. J. W. Andrews. 2,598,486, May 27.
Electrolytic titrimeter. E. L. Eckfeldt. 2,621,671, Dec. 16.
Electrolytic treating apparatus. L. E. Lancy. 2,601,535, June 24.
Electrolytic water correction device and filter combination. E. M. Butler. 2,607,725, Aug. 19.
Electrolytically coating and etching bearing surfaces. S. C. Wilsdon. 2,620,296, Dec. 2.
Electrolytically processing metallic articles. J. B. Kushner. 2,592,810, Apr. 15.
Electrolytically producing manganese. F. W. Woodman and J. M. Crowell. 2,603,594, July 15.
Electrolytically recovering nickel. B. M. S. Kalling, R. S. M. Sundgren-Waliden, S. J. Waliden, and K. A. Sixander. 2,595,387, May 6.
Electrolytically refining aluminum. P. Torchet. 2,582,661, Jan. 15.
Electromagnet. A. W. Bedford, Jr. 2,595,755, May 6.
Electromagnet. J. Goldman. 2,597,476, May 20.
Electromagnet. H. Schaaf. 2,595,547, May 6.
Electromagnet for rail fissure detectors. C. W. and R. W. McKee. 2,602,840, July 8.
Electromagnet, Retarded. L. R. Ranson. 2,605,327, July 29.
Electromagnet with removable armature guide of hard material. C. R. Mikolic and G. D. Belling. 2,599,856, June 10.
Electromagnetic actuator for contactors and circuit breakers. A. Blanchet. 2,591,773, Apr. 8.
Electromagnetic apparatus. R. K. Mueller. 2,596,711–12. May 13.
Electromagnetic balance. W. C. Broekhuysen. 2,623,741, Dec. 30.
Electromagnetic balance accelerometer. R. L. Cosgriff and E. L. Walls, Jr. 2,591,921, Apr. 8.
Electromagnetic braking device. G. L. Du Rostu. 2,620,900, Dec. 9.
Electromagnetic circuit interrupter. E. R. Orsatti and D. A. Lace. 2,610,995, Sept. 16.
Electromagnetic clamping and division apparatus. K. Hrček. 2,611,969, Sept. 30.
Electromagnetic clutch. R. C. Russell. 2,606,638, Aug. 12.
Electromagnetic clutch. R. Sensaud de Lavaud. 2,597,388, May 20.
Electromagnetic compass. P. A. Drouin. 2,588,619, Mar. 11.
Electromagnetic control device. J. Hagen. 2,620,466, Dec. 2.
Electromagnetic control device. F. Kesselring. 2,619,563, Nov. 25.
Electromagnetic control means. W. J. Weinfurt. 2,617,050, Nov. 4.
Electromagnetic counting device. H. P. Boswau. 2,622,143, Dec. 16.
Electromagnetic device operable by alternating current. P. H. Durand. 2,587,983, Mar. 4.
Electromagnetic impulse generator. W. H. Bussey. 2,618,755, Nov. 18.

Electromagnetic induction apparatus. C. D. Cook, Jr. 2,618,680, Nov. 18.
Electromagnetic operating mechanism for typewriters. H. Jarmunn. 2,581,665, Jan. 8.
Electromagnetic pressure sensitive device. J. Clark. 2,581,359, Jan. 8.
Electromagnetic pulsing device. D. A. Lace. 2,617,950, Nov. 11.
Electromagnetic pump. K. E. Wakefield. 2,612,109, Sept. 30.
Electromagnetic recording head. M. F. Royston. 2,585,040, Feb. 12.
Electromagnetic relay. R. E. H. Carpenter. 2,611,063, Sept. 16.
Electromagnetic relay. G. F. Daly. 2,618,754, Nov. 18.
Electromagnetic relay operable upon alternate deenergization cycles. R. F. Stehlik. 2,617,906, Nov. 11.
Electromagnetic relay or contactor. W. de Fligué. 2,591,526, Apr. 1.
Electromagnetic relay with adjustable lever-relation. A. O. Jörgensen. 2,588,534, Mar. 11.
Electromagnetic relay with compensated contact pressure. Y. J. G. Juillard. 2,621,269, Dec. 9.
Electromagnetic reset valve. W. A. Ray. 2,589,573, Mar. 18.
Electromagnetic resolver. D. L. Herr. 2,608,682, Aug. 26.
Electromagnetic sound recorder and reproducer. L. Thurm. 2,609,457, Sept. 2.
Electromagnetic switch. J. Scheib, Jr. 2,616,010, Oct. 28.
Electromagnetic switching device for controlling electric circuits. F. Kesselring. 2,597,873, May 27.
Electromagnetic synchronizer. G. Duyck. 2,584,116, Feb. 5.
Electromagnetic system. A. S. Fitz Gerald. 2,584,856, Feb. 5.
Electromagnetic testing device for steel ropes. M. Jezewski and L. Szklarski. 2,582,437, Jan. 15.
Electromagnetic timing relay. C. T. Evans. 2,590,302, Mar. 25.
Electromagnetic trip device. T. Lindstrom, J. Sandin, and H. L. Rawlins. 2,611,013, Sept. 16.
Electromagnetic valve. C. A. Cobb. 2,608,353, Aug. 26.
Electromagnetic valve. W. A. Ray. 2,589,574, Mar. 18.
Electromagnetic vibratory device. J. S. P. Roberton. 2,610,259, Sept. 9.
Electromagnetic wave control structure. R. E. Clapp. 2,597,144, May 20.
Electromagnetic-wave energy-absorbing material. H. A. Wheeler. 2,610,250, Sept. 9.
Electromagnetic wave interceptor. J. D. Reid. 2,610,296, Sept. 9.
Electromagnetic wave transmissive structure. H. A. Affel, Jr. 2,607,009, Aug. 12.
Electromagnetically actuated sign structure. V. L. Watkins. 2,614,145, Oct. 14.
Electromagnetically controlled valve. E. I. Ghormley. 2,622,618, Dec. 23.
Electromagnetically driven self-regulating fluid compressor for use in refrigerating machines. J.-L. Reutter. 2,605,042, July 29.
Electromagnetically operable switch. W. G. Bourne. 2,611,844, Sept. 23.
Electromagnetically operated bell jingler. F. Pettit. 2,593,917, Apr. 22.
Electromagnetically operated mechanism using resonance effects. A. Bekey. 2,597,559, May 20.
Electromagnetically operated signal producing resonator device. R. A. Gougeon. 2,598,994, June 3.
Electromechanical change-speed transmission. P. T. Nims and A. Chadkewicz. 2,588,750, Mar. 11.
Electromechanical control and indicating system. C. G. Roper. 2,614,163, Oct. 14.
Electromechanical filter. M. L. Doels. 2,615,981, Oct. 28.
Electromechanical speed governor. C. P. Molyneux. 2,611,352, Sept. 23.
Electromechanical transducer. W. P. Mason. 2,607,858, Aug. 19.
Electromechanical transducer. A. L. W. Williams. 2,614,143, Oct. 14.
Electromechanical transducer unit. T. E. Lynch. 2,594,948, Apr. 29.
Electromechanical transmission. G. L. McCain, 2,588,751, Mar. 11.
Electromechanical trigonometric converter. H. G. Earls and W. B. Watson. 2,594,887, Apr. 29.
Electrometer for pocket chambers. T. A. Rich and J. E. Bigelow. 2,582,163, Jan. 8.
Electrometer transducer with dual mode of operation. H. W. Ashton. 2,581,066, Jan. 1.
Electron beam centering device for cathode-ray tubes. M. R. Heppner. 2,586,948, Feb. 26.
Electron beam deflection and rebalancing apparatus. W. H. Kliever. 2,613,340, Oct. 7.
Electron beam deflection system. A. W. Friend and F. H. Nicoll. 2,586,463, Feb. 19.
Electron beam device and system employing space charge neutralization. E. G. Linder. 2,622,225, Dec. 16.
Electron counter circuits. I. E. Grosdoff. 2,591,931, Apr. 8.
Electron diffraction detecting system. J. W. Coltman and R. L. Longini. 2,619,598, Nov. 25.
Electron discharge amplifier device employing hollow resonator. N. C. Barford. 2,591,910, Apr. 8.
Electron discharge apparatus. F. B. Llewellyn. 2,591,842, Apr. 8.
Electron discharge apparatus. A. I. Vangreen. 2,585,057, Feb. 12.
Electron discharge device. R. Adler. 2,606,300, Aug. 5.
Electron discharge device. R. Adler. 2,611,879, Sept. 23.
Electron discharge device. H. G. Anderson. 2,580,988, Jan. 1.
Electron discharge device. R. S. Bailey. 2,611,882, Sept. 23.
Electron discharge device. W. C. Brown. 2,608,673, Aug. 26.
Electron discharge device. C. S. Bull. 2,602,905, July 8.
Electron discharge device. J. W. Dawson. 2,609,497, Sept. 2.
Electron discharge device. C. E. Fay. 2,617,959, Nov. 11.
Electron discharge device. W. R. Ferris. 2,592,408, Apr. 8.
Electron discharge device. R. R. Law. 2,595,677, May 6.
Electron discharge device. G. D. O'Neill. 2,605,442, July 29.
Electron discharge device and associated circuit. A. C. Grimm and A. P. Sweet, Jr. 2,599,329, June 10.
Electron discharge device and associated circuit. R. W. Peter. 2,595,698, May 6.
Electron discharge device and circuit. L. S. Nergaard. 2,591,963, Apr. 8.
Electron discharge device, Centimeter wave velocity modulated. E. Rostas. 2,603,764, July 15.
Electron discharge device for high frequency. H. J. Dailey and L. C. Werner. 2,617,056, Nov. 4.
Electron discharge device of the beam deflection type. H. C. Thompson. 2,581,612, Jan. 8.
Electron discharge device of the cavity resonator type. W. J. Dodds. 2,607,019, Aug. 12.
Electron discharge device of the disk seal type. P. G. Bohlke and F. C. Breeden. 2,623,090, Dec. 23.
Electron discharge device of the electron velocity modulation type. J. H. Fremlin and R. N. Hall. 2,608,671, Aug. 26.
Electron discharge device of the magnetron type. W. C. Brown. 2,585,084, Feb. 12.
Electron discharge device suitable for use as television transmitting tubes. H. G. Lubszynski, J. D. McGee, W. E. Turk, and H. Cassmann. 2,598,401, May 27.
Electron discharge device, Ultrahigh-frequency. F. D. Goodchild. 2,603,762, July 15.
Electron discharge device utilizing cavity resonators. J. M. Stinchfield. 2,591,976, Apr. 8.
Electron-discharge tube. A. J. W. M. van Overbeek. 2,600,142, June 10.
Electron discharge tube apparatus. G. Diemer. 2,600,491, June 17.
Electron discharge tube circuits for generating electrical oscillations of saw-tooth wave form. K. G. Huntley. 2,621,237, Dec. 9.
Electron discharge tube having a disk-shaped cathode. C. P. Klöpping. 2,609,518, Sept. 2.
Electron discharge tube having a secondary emissive electrode. G. Diemer. 2,623,189, Dec. 23.
Electron emitter. H. Jacobs and G. Hees. 2,600,112, June 10.
Electron gun. J. R. Pierce. 2,585,582, Feb. 12.
Electron gun and mounting therefor. V. C. Campbell. 2,592,242, Apr. 8.
Electron gun for cathode-ray tubes. W. E. Phillips and C. S. Szegho. 2,596,508, May 13.
Electron multiplier. A. I. Vangeen. 2,581,460, Jan. 8.
Electron multiplying device. H. E. Kallmann. 2,617,948, Nov. 11.
Electron optical system for cathodes of electron beam tubes. A. Lerbs. 2,607,904, Aug. 19.
Electron prod. A. E. Ericson. 2,580,416, Jan. 1.
Electron ratchet tube. R. J. Moon. 2,597,360, May 20.
Electron source. H. W. Washburn. 2,611,875, Sept. 23.
Electron switching tubes and circuits therefor. E. S. Rittner, F. E. Grace, S. Fine and G. A. Beutel. 2,588,292, Mar. 4.
Electron tube apparatus. R. L. Norton and J. J. Woerner. 2,619,611, Nov. 25.
Electron tube circuit means responsive to a signal pulse of short duration. W. B. Coughlin. 2,607,023, Aug. 12.
Electron tube circuit means responsive to a signal pulse of short duration. P. N. Martin. 2,607,022, Aug. 12.
Electron tube counting device. J. R. Desch and R. E. Mumma. 2,598,764, June 3.
Electron tube device. N. E. G. Backmark. 2,591,997, Apr. 8.
Electron tube protective system. M. V. Hoover. 2,615,147, Oct. 21.
Electron tube structure and the manufacture thereof. J. E. Beggs. 2,581,997, Jan. 8.
Electron tube support and cooling device. D. B. Keim. 2,601,027, June 17.
Electronic accumulator. E. V. Gulden and J. A. Klopf. 2,591,541, Apr. 1.
Electronic accumulator. C. F. Rench. 2,591,008, Apr. 1.
Electronic air flow indicator. J. General and M. A. Bennett. 2,583,561, Jan. 29.
Electronic analyzer. J. H. Parsons. 2,605,332, July 29.

Electronic animated advertising sign system. R. H. Seaman. 2,594,357, Apr. 29.
Electronic apparatus. D. H. Fisher. 2,597,310, May 20.
Electronic blast gauge. H. J. Plumley and C. M. Ryerson. 2,618,962, Nov. 25.
Electronic bonding machine. H. Hacklander. 2,623,156, Dec. 23.
Electronic bonding machine. H. Hacklander. 2,623,985, Dec. 30.
Electronic bore gauge. J. J. Neff. 2,581,495, Jan. 8.
Electronic cathode gate. L. D. Hindall. 2,597,796, May 20.
Electronic circuit. J. L. Barker and B. J. Midlock. 2,594,276, Apr. 29.
Electronic circuit. R. M. Brink. 2,617,858, Nov. 11.
Electronic circuit chassis. J. Brown, B. L. Snavely and J. V. Atanasoff. 2,588,082, Mar. 4.
Electronic commutator. W. G. Tuller. 2,589,460, Mar. 18.
Electronic comparator. J. J. Neff. 2,583,791, Jan. 29.
Electronic comparator device. R. A. Edwards. 2,615,127, Oct. 21.
Electronic concentricity and groove parallel gauge. J. J. Neff. 2,601,447, June 24.
Electronic contactor. R. E. Fischer. 2,584,007, Jan. 29.
Electronic control circuit. R. W. Brown. 2,599,228, June 3.
Electronic control for filament wrapping machines. A. M. Dexter, Jr. 2,594,741, Apr. 29.
Electronic control for gravimetric feeders. G. Kast. 2,609,965, Sept. 9.
Electronic control for monorail hoists or the like. C. E. Dougherty and E. E. Minor. 2,589,998, Mar. 18.
Electronic control for toy electric railroads. J. L. Bonanno. 2,622,542, Dec. 23.
Electronic control mechanism, Automatic. D. C. Porter. 2,617,483, Nov. 11.
Electronic cooking. P. L. Spencer. 2,582,174, Jan. 8.
Electronic counter. W. A. Geohegan. 2,595,519, May 6.
Electronic counter. J. L. Lawson. 2,584,720, Feb. 5.
Electronic counting circuit. B. E. Phelps. 2,584,811, Feb. 5.
Electronic counting device. R. H. Baker and D. E. Eckdahl. 2,620,440, Dec. 2.
Electronic counting device. R. E. Mumma. 2,584,363, Feb. 5.
Electronic delay system. J. P. Smith. 2,599,206, June 3.
Electronic device. M. McMath. 2,589,720, Mar. 18.
Electronic device. O. G. Williams. 2,604,588, July 22.
Electronic differential relay system. D. L. Wylie. 2,601,354, June 24.
Electronic diplex keyer. G. L. Brewer. 2,611,034, Sept. 16.
Electronic discharge device. G. H. Rockwood, Jr., and R. L. Vance. 2,607,901, Aug. 19.
Electronic discharge device of the cavity resonator type. D. M. Powers. 2,611,110, Sept. 16.
Electronic discharge tube control. G. A. Bonadio. 2,612,618, Sept. 30.
Electronic discharge tube system for animated or flowing electric signs and display devices. R. H. Seaman. 2,591,729, Apr. 8.
Electronic discharge tube with a plurality of plate-grid systems. L. W. Koehler. 2,589,397, Mar. 18.
Electronic displacement measuring means. H. J. Osterman, A. G. K. Wilkens and C. B. Bryan. 2,593,339, Apr. 15.
Electronic distributor. T. A. Hansen. 2,614,217, Oct. 14.
Electronic divider. W. Woods-Hill and D. T. Davis. 2,623,171, Dec. 23.
Electronic duplexing device. J. L. Lawson. 2,603,743, July 15.
Electronic flash device. H. L. Parker. 2,606,308, Aug. 5.
Electronic frequency changer and stabilizing control means therefor. E. F. W. Alexanderson. 2,586,498, Feb. 19.
Electronic frequency eliminating apparatus. W. C. Michels. 2,609,446, Sept. 2.
Electronic frequency modulator. G. R. Clark. 2,610,318, Sept. 9.
Electronic gating circuits. H. Karp, R. R. Darden, Jr., and M. F. Kolodziej. 2,614,215, Oct. 14.
Electronic grounding apparatus. R. A. Riddle and T. J. Mesh. 2,611,862, Sept. 23.
Electronic heating. G. B. Sayre. 2,583,393, Jan. 22.
Electronic heating control system. R. M. Wilmotte. 2,609,510, Sept. 2.
Electronic impedance equalizer. M. K. Zinn. 2,589,184, Mar. 11.
Electronic impedance meter. E. H. Levy. 2,600,998, June 17.
Electronic indicator. D. L. Elam. 2,594,138, Apr. 22.
Electronic indicator and viewing means for two variables. W. T. O'Neil. 2,588,035, Mar. 4.
Electronic indicator tube. J. C. Ferguson. 2,603,418, July 15.
Electronic induction number group translator. T. L. Dimond. 2,614,176, Oct. 14.
Electronic inspection of glass containers. W. J. Fedorchak. 2,593,127, Apr. 15.
Electronic level-sensitive apparatus. H. F. Tapp and T. J. Mesh. 2,619,620, Nov. 25.
Electronic lobing. J. H. Greig. 2,597,862, May 27.
Electronic low-energy relay apparatus. J. M. Cochran. 2,608,653, Aug. 26.
Electronic marker circuit. R. W. Lee. 2,584,034, Jan. 29.
Electronic marker for cathode ray indicator tubes. R. R. Scoville. 2,594,078, Apr. 22.
Electronic motor control. F. D. Snyder. 2,597,136, May 20.
Electronic multiplex to start-stop extensor. R. D. Slayton. 2,585,282, Feb. 12.
Electronic multiplex to start-stop extensor. R. D. Slayton. 2,595,714, May 6.
Electronic multiplier. W. Woods-Hill and D. T. Davis. 2,623,115, Dec. 23.
Electronic optical correction mechanism for magnetic lenses. G. Weissenberg and O. Sänger. 2,587,942, Mar. 4.
Electronic oscillatory device. H. M. O'Neill. 2,616,043, Oct. 28.
Electronic phase shifting system. J. J. Coughlin. 2,617,932, Nov. 11.
Electronic physchrometer. H. J. Ewen. 2,600,396, June 17.
Electronic pickup control for gravimetric feeders. G. Kast. 2,618,406, Nov. 18.
Electronic pneumatic driving device for a mechanism having to make a reciprocating movement of limited length at arbitrary moments. B. J. van der Stigchel. 2,588,779, Mar. 11.
Electronic pulse-power supply. H. J. Dailey and J. J. Borzin. 2,587,290, Feb. 26.
Electronic rectifying circuits. A. S. Vitale. 2,590,805, Mar. 25.
Electronic recording and controlling apparatus. G. E. Beggs, Jr., and E. W. Yetter. 2,586,603, Feb. 19.
Electronic relay. P. C. Michel. 2,584,728, Feb. 5.
Electronic relay arrangement for protecting power systems. R. H. Macpherson. 2,581,196, Jan. 1.
Electronic relay circuit. L. G. Nierman. 2,596,956, May 13.
Electronic signal mixer. R. D. McCoy and T. J. Kusto. 2,620,441, Dec 2.
Electronic signal responsive predetermining circuit. J. C. Manley. 2,619,282, Nov. 25.
Electronic signal seeking receiver. H. C. Goodrich, Jr. 2,601,384, June 24.
Electronic solution control apparatus. J. G. Hodgens, Jr. 2,621,673, Dec. 16.
Electronic space unit humidifier. C. V. Runkle. 2,621,281, Dec. 9.
Electronic spectroscope. A. C. Schroeder and G. C. Sziklai. 2,593,616, Apr. 22.
Electronic start-stop to multiplex extensor. R. D. Slayton. 2,582,218, Jan. 15.
Electronic stepping switch. A. M. Skellett. 2,599,949, June 10.
Electronic strain indicating network. P. F. Byrne and J. C. Kyle. 2,619,833, Dec. 2.
Electronic switching. E. J. Costello. 2,586,151, Feb. 19.
Electronic switching apparatus for telephone systems. A. Lesti. 2,619,548, Nov. 25.
Electronic switching circuit. B. R. Lester. 2,599,266, June 3.
Electronic switching circuits. R. T. Clayden. 2,622,193, Dec. 16.
Electronic switching device. E. A. Goldberg. 2,619,504, Nov. 25.
Electronic switching device. S. Van Mierlo. 2,618,753, Nov. 18.
Electronic synchronization system. T. A. Hansen. 2,595,656, May 6.
Electronic synchronising system. F. A. Hester. 2,593,450, Apr. 22.
Electronic system. A. H. Dickinson, B. E. Phelps and C. A. Bergfors. 2,587,979, Mar. 4.
Electronic telegraph hub type repeater. W. T. Rea. 2,612,560, Sept. 30.
Electronic television shutter. R. W. Lee and L. L. Pourciau. 2,595,397, May 6.
Electronic temperature control. J. L. Bender. 2,586,291, Feb. 19.
Electronic thickness gauge. H. A. Wadman. 2,601,649, June 24.
Electronic time delay circuit. C. W. Clapp. 2,612,604, Sept. 30.
Electronic time-delay system. H. F. Mayer. 2,590,783, Mar. 25.
Electronic timing circuit. L. F. Mayle. 2,589,270, Mar. 18.
Electronic timing circuit. J. L. Solomon. 2,580,967, Jan. 1.
Electronic timing device. C. Marshall. 2,607,907, Aug. 19.
Electronic tone generator. R. E. Williams. 2,588,680, Mar. 11.
Electronic trigger circuit. M. L. Hecht. 2,588,924–5, Mar. 11.
Electronic tube. M. Ruderfer. 2,615,128, Oct. 21.
Electronic tube. C. H. Schlesman and C. I. Glassbrook. 2,602,914, July 8.
Electronic tube and circuits. W. H. Cherry. 2,621,308, Dec. 9.
Electronic tuning device. T. H. Long. 2,584,277, Feb. 5.

Electronic vibrator insulator. E. A. Wilson. 2,611,064, Sept. 16.
Electronic voltage regulator. J. F. Emerson. 2,611,121, Sept. 16.
Electronic wave chopping circuits. J. W. Gratian. 2,611,084, Sept. 16.
Electronically controlled low impedance phase shifting device. S. R. Rich. 2,592,738, Apr. 15.
Electronically operated advertising and sound reproducing apparatus. M. A. Carter. 2,615,993, Oct. 28.
Electronographic printing apparatus. W. C. Huebner. 2,586,047, Feb. 19.
Electro-optical device. B. T. Matthias. 2,597,589, May 20.
Electrooptical pulse generator. E. Ackerlind. 2,580,498, Jan. 1.
Electroosmotic apparatus. F. Pavelka. 2,593,915, Apr. 22.
Electrophotographic apparatus. C. F. Carlson. 2,588,699, Mar. 11.
Electrophotographic apparatus. E. R. Sabel and E. T. Macey. 2,600,580, June 17.
Electrophotographic plate. C. F. Carlson. 2,599,542, June 10.
Electrophotographic recording. C. F. Carlson. 2,583,546, Jan. 29.
Electrophotography. L. E. Walkup. 2,598,732, June 3.
Electroplating. A. B. Wilson. 2,610,145, Sept. 9.
Electroplating anode. F. W. Wagner. 2,619,457, Nov. 25.
Electroplating apparatus for moving strip. W. W. Kompart. 2,610,146, Sept. 9.
Electroplating bath and process. A. W. Liger. 2,615,837, Oct. 28.
Electroplating control system. M. L. Sands. 2,584,816, Feb. 5.
Electroplating copper. A. E. Chester and F. F. Reisinger. 2,582,233, Jan. 15.
Electroplating of zinc and electrolyte therefor. A. E. Chester. 2,614,975, Oct. 21.
Electropolishing. S. E. Eaton. 2,610,143–4, Sept. 9.
Electroresponsive device. H. L. Bernarde. 2,603,704, July 15.
Electrostatic air-cleaning system. G. W. Penney and G. W. Hewitt. 2,610,699, Sept. 16.
Electrostatic apparatus for measuring voltages. J. L. Blayney. 2,583,763, Jan. 29.
Electrostatic charge protected carbon dioxide dispensing shield. D. Mapes. 2,603,299, July 15.
Electrostatic deflection system. K. Schlesinger. 2,617,076, Nov. 4.
Electrostatic deflection system for cathode-ray tubes. K. Schlesinger. 2,617,077, Nov. 4.
Electrostatic dielectric heating apparatus. G. P. Dalger. 2,608,638, Aug. 26.
Electrostatic heating. R. D. Owen. 2,607,880, Aug. 19.
Electrostatic high-voltage generator. L. J. Giacoletto. 2,588,513, Mar. 11.
Electrostatic machine. N. Felici. Re. 23,460, Feb. 12.
Electrostatic machine. N. Felici. 2,617,976, Nov. 11.
Electrostatic precipitator. L. H. Carlson. 2,591,404, Apr. 1.
Electrostatic precipitator. E. Deglorgi. 2,588,364, Mar. 11.
Electrostatic precipitator. R. L. Lincoln. 2,615,529, Oct. 28.
Electrostatic precipitator. E. L. Richardson. 2,604,183, July 22.
Electrostatic precipitator. R. W. Warburton. 2,589,463, Mar. 18.
Electrostatic precipitator. R. W. Warburton and F. W. Morley. 2,604,184, July 22.
Electrostatic reproduction process and apparatus. P. J. Good. 2,584,695, Feb. 5.
Electrostatic seismometer. G. Peterson. 2,599,775, June 10.
Electrostatic spray painting method and apparatus. C. D. Tuttle, G. T. Larsen, and L. J. Lamm. 2,598,466, May 27.
Electrostatic transformer. J. M. Malpica. 2,620,447, Dec. 2.
Electrostatic voltage multiplier. C. Bosch and M. H. Shamos. 2,610,994, Sept. 16.
Electrostatically-focused rotary radial beam tube. P. W. Charton. 2,616,061, Oct. 28.
Electrostatically shielded magnetic well logging system. C. W. Zimmerman. 2,623,923, Dec. 30.
Electrostripping electrodeposited metals. R. S. Stuffer. 2,596,307, May 13.
Elementary induction coil instruction device. H. M. Tucker. 2,603,884, July 22.
Elements per unit length counter mechanism. H. C. Slechta. 2,589,741, Mar. 18.
Elevating and lowering device for baling presses and the like. I. Spitz. 2,600,587, June 17.
Elevating clothes drier. W. H. Butler. 2,598,502, May 27.
Elevating means for vehicle beds. R. O. Bill. 2,598,031, May 27.
Elevating mechanism for bowling alley pits. J. V. H. Whipple, and G. P. and E. P. Bentley. 2,620,187, Dec. 2.
Elevator. L. A. Camerota. 2,617,498, Nov. 11.
Elevator. M. W. Hild, Sr., and M. W. Hild, Jr. 2,619,239, Nov. 25.
Elevator. D. Santini. 2,589,292, Mar. 18.
Elevator apparatus. J. G. McKenzie. 2,609,112, Sept. 2.
Elevator, Auger type. E. G. Tidwell. 2,606,643, Aug. 12.
Elevator bucket cleaner. W. S. Tyler. 2,608,290, Aug. 26.
Elevator bucket with suction barrier. W. H. Kelsey. 2,584,025, Jan. 29.
Elevator car-borne mechanism for translating pin-engaging jaws. W. Armstrong. 2,604,191, July 22.
Elevator car switch. C. E. Orr. 2,581,969, Jan. 8.
Elevator control, Electromechanical automatic. A. W. Noon. 2,600,676, June 17.
Elevator control system. P. C. Keiper and W. H. Esselman. 2,597,586, May 20.
Elevator control system. A. Pinto. 2,586,859, Feb. 26.
Elevator dispatching and control system. W. F. Glaser and S. A. Hornung. 2,589,242, Mar. 18.
Elevator dispatching system. W. F. Eames. 2,581,245, Jan. 1.
Elevator for harvesters, Discharge. H. E. De Penning. 2,608,310, Aug. 26.
Elevator for harvesting machines. A. K. K. Andersen and T. Rosenstand. 2,606,647, Aug. 12.
Elevator for invalids. G. P. Scott. 2,619,195, Nov. 25.
Elevator for invalids. G. P. Scott. 2,619,196, Nov. 25.
Elevator for vehicles, Goods. J. Archer. 2,589,654, Mar. 18.
Elevator guide equalizer, Single rail. S. G. Hicks. 2,586,464, Feb. 19.
Elevator guide shoe mounting means. J. H. Cornish. 2,601,503, June 24.
Elevator having reinforcing truss rods. W. Vutz. 2,598,470, May 27.
Elevator motor control system. A. O. Lund. 2,620,898, Dec. 9.
Elevator or jack, Hydraulic. R. Lozano y Garcia de Vinuesa. 2,593,903, Apr. 22.
Elevator safety device. L. R. Rissler. 2,581,297, Jan. 1.
Elevator system. A. F. Angelicola. 2,612,238, Sept. 30.
Elevator system. W. F. Glaser and S. A. Hornung. 2,619,197, Nov. 25.
Elevator system having load measuring devices, Electric. L. R. Rissler and J. K. Kraft, 2,604,782, July 29.
Elevators, Hinged boot flap portable. B. M. Hyman. 2,603,345, July 15.
11-bromo steroid adducts. R. H. Levin and M. M. Wesner. 2,603,640, July 15.
Eliminating corrosion due to galvanic current set up by dissimilar metals in the presence of an ionized solution. P. W. Uhl. 2,589,461, Mar. 18.
Eliminating dust produced by pneumatic drills. L. A. J. Dautrebande. 2,581,943, Jan. 8.
Eliminating impurities during the separation of gas mixtures, Process and apparatus for. E. F. Yendall. 2,615,312, Oct. 28.
Eliminating impurities from metals which are in a fluid state, Method and apparatus for. H. W. and C. W. Nieman. 2,583,438, Jan. 22.
Eliminating interference between the optical trains of a photographic reproducing apparatus. L. R. Steinhardt. 2,621,560, Dec. 16.
Eliminating spurious frequencies. C. E. McClellan. 2,586,365, Feb. 19.
Elimination and irrigation equipment. E. R. Seymour and C. W. R. Russell. 2,591,208, Apr. 1.
Elimination of condenser and accumulator in a hydrocarbon conversion process. J. V. Jolly. 2,615,928, Oct. 28.
Elimination of corona in electrical apparatus. R. W. Wieseman. 2,613,238, Oct. 7.
Ellipsograph. J. H. Barker. 2,623,286, Dec. 30.
Ellipsograph. W. J. Fleetwood. 2,607,991, Aug. 26.
Ellipsograph. R. L. Fowler. 2,612,691, Oct. 7.
Ellipsograph with guide. W. W. Scott. 2,595,417, May 6.
Elliptical type street lighting reflector incorporating parabolic reflecting areas. P. H. Mitchell. 2,600,614, June 17.
Embalmer's headrest. J. F. Nelson. 2,618,041, Nov. 18.
Embalmer's tissue separator. J. W. Renfro. 2,612,678, Oct. 7.
Embossed pressure-sensitive tape, Making. L. M. Grimes. 2,596,546, May 13.
Embossing calender. P. R. Ilmer. 2,611,312, Sept. 23.
Embossing cutter for crackers and biscuit cutting and embossing machines. E. A. Weidenmiller. 2,589,908, Mar. 18.
Embossing machine. J. H. Gruver. 2,605,878, Aug. 5.
Embossing machine, Record controlled. A. Pentecost and A. E. Schniertshauer. 2,596,721, May 3.
Embroidering machine, Multiple needle. I. Farber. 2,604,860, July 29.
Emergency adapter for distributors. E. R. Scott. 2,605,368, July 29.
Emergency brake. C. H. Taylor. 2,604,192, July 22.
Emergency brake lock. A. B. Seppmann. 2,601,909, July 1.
Emergency brake reminder. V. W. Salmon. 2,604,066, July 22.
Emergency braking system. D. W. Shaw. 2,619,203, Nov. 25.
Emergency control apparatus for railway switches. J. R. Myers. 2,618,742, Nov. 18.
Emergency control for brakes. L. A. Woodsworth. 2,584,521, Feb. 5.
Emergency declutching mechanism for clothes wringers. C. W. Feher. 2,599,243, June 3.

Emergency differential device for motor vehicles. L. Fasulo. 2,620,055, Dec. 2.
Emergency display for toll ticketing. G. T. Baker. 2,581,900, Jan. 8.
Emergency door lock release. N. A. Schlesser. 2,618,498, Nov. 18.
Emergency fuel control. W. S. Bobier, Jr. 2,614,617, Oct. 21.
Emergency fuel supply device for motor vehicles, boats, etc. V. Fresolone. Re. 23,599, Dec. 23.
Emergency portable light. E. L. Tedeschi. 2,589,747, Mar. 18.
Emergency release mechanism for exit doors. J. H. Vander Veer. 2,594,253, Apr. 22.
Emergency release mechanism for power-driven wringers. G. C. Mapelsden. 2,603,961, July 22.
Emergency tire chain. W. L. McGuinness. 2,607,391, Aug. 19.
Emergency unchoking elevator. D. E. Krehbiel and E. Zerger. 2,619,218, Nov. 25.
Emergency valve. J. H. De Frees. 2,589,346, Mar. 18.
Emergency wheel. A. A. Oliveri. 2,617,689, Nov. 11.
Employment of nonaqueous well drilling fluids, D. H. Larsen. 2,597,085, May 20.
Employment of radiation from radioactive material in gauging, Method and apparatus for the. F. A. Fua. 2,582,981, Jan. 22.
Emptying pump for washing machines. A. G. Colston. 2,619,826, Dec. 2.
Emulsifiable oil compositions. R. V. White and P. S. Landis. 2,622,067, Dec. 16.
Emulsified ice cream composition. E. I. Valko. 2,606,838, Aug. 12.
Emulsified volatile hydrocarbon liquids as printing paste thickeners. L. Krause and J. A. Wainwright. 2,619,403, Nov. 25.
Emulsifier compositons. R. G. Mitchell, H. C. Tait, W. C. Webber, R. G. Aickin, P. A. Winsor, and A. V. Billinghame. 2,612,477, Sept. 30.
Emulsifying agents. J. M. Cross and C. R. Enyeart. 2,593,112, Apr. 15.
Emulsifying agents. H. D. Schoenfeld. 2,590,046, Mar. 18.
Emulsion coating compositions and preparing same. E. Schulte and P. C. Herzog. 2,587,657, Mar. 4.
Emulsion copolymerization of styrene with bodied oil or bodied oil modified alkyd. R. S. Robinson. 2,586,092, Feb. 19.
Emulsion copolymerization of sulfur dioxide and unsaturated organic compounds with recovery of uncontaminated unreacted sulfur dioxide. W. W. Crouch. 2,602,787, July 8.
Emulsion, including water, fuel oil, and finely divided solids for combustion, Method and apparatus for producing an. R. F. Leftwich. 2,584,805, Feb. 5.
Emulsion polymerization at low temperatures. W. M. St. John, Jr., and C. A. Uraneck. 2,615,009, Oct. 21.
Emulsion polymerization in systems containing an organic hydroperoxide. C. F. Fryling and C. A. Uraneck. 2,609,362, Sept. 2.
Emulsion polymerization in the presence of a dioxane. C. F. Fryling, J. E. Troyan, and J. E. Pritchard. 2,604,466, July 22.
Emulsion polymerization of a conjugated diene with a heavy hydroperoxide and a hyposulfite. C. A. Uraneck and S. H. Landes. 2,614,098, Oct. 14.
Emulsion polymerization of vinyl acetate. J. E. Bristol and N. Turnbull. 2,614,088, Oct. 14.
Emulsion polymerization of vinylidene compounds in the presence of hydrazine-alkylene-polyamine compositions. W. B. Reynolds, J. E. Wicklatz, and T. J. Kennedy. 2,606,893, Aug. 12.
Emulson polymerization of vinylidene compounds in the presence of hydroperoxides of alkyltetrahydronaphthalenes. W. B. Reynolds, J. E. Wicklatz, and T. J. Kennedy. 2,584,773, Feb. 5.
Emulsion polymerization process. H. Romeyn, Jr., and C. D. McCleary. 2,597,951, May 27.
Emulsion polymerization using ultrasonic vibrations to effect emulsification. I. M. Kolthoff and C. W. Carr. 2,606,174, Aug. 5.
Emulsion polymerization with a redox catalyst comprising a diazo thioether. W. B. Reynolds. 2,583,277, Jan. 22.
Emulsion sensitometry. E. A. Williford and M. H. Sweet. 2,590,830, Mar. 25.
Emulsion treater. I. W. Lovelady and S. P. Kroeker. 2,610,698, Sept. 16.
Emulsion treating methods and means. C. O. Glasgow. 2,598,988, June 3.
Emulsions, Colored, for coloring textile fabrics. R. H. Kienle and A. L. Pelker. 2,601,661, June 24.
Enamel coated articles and making same. R. Brown. 2,598,498, May 27.
Enameling metalware. H. M. Davis. 2,612,457, Sept. 30.
Enameling sheets, Making. J. C. Eckel. 2,602,034, July 1.
Enamels, Low-temperature vitreous. J. W. Donahey. 2,608,490, Aug. 26.
Encapsulating substances, Method of and apparatus for. A. M. Donofrio. 2,600,222, June 10.
Encased and hermetically sealed photocell. A. H. Lamb. 2,606,215, Aug. 5.
Enclosed internally heated electric discharge lamp luminaire for varinble temperature service. A. A. Brainerd. 2,610,289, Sept. 9.
Enclosed kite-type detector carrier. J. W. Flude. 2,580,537, Jan. 1.
Enclosed level-wind for fishing reels. E. P. Hurd and H. F. Dies. 2,600,774, June 17.
Enclosed rolling mill. R. D. Colinet. 2,603,114, July 15.
Enclosure for drinking containers, Protective. H. C. Lanpher. 2,589,098, Mar. 11.
End cap for glove holding devices. J. A. Doran. 2,599,321, June 3.
End casting and retrieving reel. E. Herbert. 2,588,524, Mar. 11.
End closure and latching mechanism therefor for suction cleaners. L. E. Segesman. 2,605,927, Aug. 5.
End connector for watch bracelets. O. R. Kostka. 2,614,307, Oct. 21.
End filler flash section. W. Gillett. 2,613,768, Oct. 14.
End fitting for furniture legs. G. A. Tinnerman. 2,618,009, Nov. 18.
End-folding machine. W. S. Cloud. 2,592,246, Apr. 8.
Endgate for pickup trucks. P. H. Thompson. 2,623,778, Dec. 30.
End guide for rug rolling machines. C. P. Dyken. 2,611,553, Sept. 23.
End lock for rings of mechanical bindings. C. D. Trussell. 2,612,166, Sept. 30.
Endmatcher, woodworking machine. D. L. Fair. 2,581,947, Jan. 8.
End mill cutter. S. P. G. Höglund. 2,584,449, Feb. 5.
End play adjusting arrangement. H. Konet. 2,584,472, Feb. 5.
End play take-up for rotary fluid coupling. G. P. Castner. 2,623,359, Dec. 30.
End thrust type rotary cutter head. H. D. Woodside. 2,582,574, Jan. 15.
End underframe for railway cars. A. G. Dean. 2,589,996, Mar. 18.
Endless belt snapping rolls. E. K. Karlsson. 2,587,857, Mar. 4.
Endless chain of counting relays. R. P. Boyer, Jr., and J. I. Bellamy. 2,600.729, June 17.
Endless driving belt. E. Pollard. 2,598,829, June 3.
Endless track. G. W. Curtis. 2,592,542, Apr. 15.
Endless track. R. J. Gray. 2,581,587, Jan. 8.
Endless traveler bands, tracks, and the like. G. Bonmartini. 2,621,085, Dec. 9.
Endless tread stair climbing truck. E. Z. and J. C. Chenette. 2,620,041, Dec. 2.
Enema appliance, Disposable. E. Wylde. 2,619,086, Nov. 25.
Energizers for aromatic triamino developing agents and suppression of proximity development in azine color developers. R. C. Gunther. 2,623,823, Dec. 30.
Energy-absorbing deceleration apparatus for parachute loads. W. D. Eakin. 2,587,448, Feb. 26.
Energy absorbing stop. E. A. Volk, Jr. 2,590,482, Mar. 25.
Energy storage counter. B. Adler. 2,619,618, Nov. 25.
Energy transfer system. C. G. Sontheimer. 2,611,030, Sept. 16.
Energy translating device. H. T. Hoffman. 2,598,258, May 27.
Engaging and holding means for drapery headings and the like. F. J. Schwartz. 2,580,849, Jan. 1.
Engine: *See*—
Aircraft engine.
Barrel engine.
Collapsible wall type expansion engine.
Dual fuel engine.
Expansion engine.
Fluid engine.
Free piston combustion engine.
Fuel injection internal-combustion engine.
Gas engine.
Gas-turbine engine.
Helical rotary engine.
Hot-gas reciprocating engine.
Internal - combustion engine.
Intermittent duct engine.
Jet engine.
Jet propulsion engine.
Multicylinder two-cycle internal - combustion engine.
Opposed piston engine.
Opposed piston internal-combustion engine.
Planetary type engine.
Pulse jet thrust engine.
Radial engine.
Resonating pulse jet engine.
Rotary internal-combustion engine.
Sliding abutment type rotary internal-combustion engine.
Supercharged internal-combustion engine.
Thermodynamic engine.
Two-cycle crankcase compression engine.
Two-cycle engine.
Two-cycle internal-combustion engine.
Two-stroke cycle internal-combustion engine.
Variable compression ratio internal-combustion engine.
Engine. W. L. Brown, 3rd, and W. L. Brown, 4th. 2,588,478, Mar. 11.
Engine. J. P. Butterfield. 2,610,615, Sept. 16.
Engine. J. P. Butterfield. 2,621,639, Dec. 16.
Engine. A. G. Herreshoff. 2,613,651, Oct. 14.
Engine accessory. M. H. de Bruin. 2,604,309, July 22.
Engine accessory for underwater operation. C. Wilde. 2,623,186, Dec. 23.
Engine air induction control system. F. C. Reggio. 2,581,334, Jan. 1.
Engine and cooling system therefor, Internal-combustion. E. C. Kiekhaefer. 2,609,801, Sept. 9.

Engine and fuel injection nozzle therefor, Internal-combustion. F. J. Villforth, Jr. 2,604,086, July 22.
Engine and pump, Two-cycle. O. H. Erickson. 2,582,536, Jan. 15.
Engine construction, Jordan. R. L. Draper. 2,604,824, July 29.
Engine control. H. A. Alexanderson and A. H. Le Febvre. 2,583,537, Jan. 29.
Engine control device. P. E. Drummond. 2,607,013, Aug. 12.
Engine control for model airplanes. H. T. Horner. 2,611,351, Sept. 23.
Engine control mechanism. T. C. Wallace. 2,606,542, Aug. 12.
Engine cooling and lubricating system. W. E. Brill. 2,609,799, Sept. 9.
Engine cooling system. C. F. Bachle. 2,581,996, Jan. 8.
Engine cowl for aircraft. L. M. Michard. 2,597,663, May 20.
Engine crankcase scavenging apparatus. M. W. Phillips. 2,585,495, Feb. 12.
Engine cutoff for tractors, Automatic. W. P. E. Smith. 2,613,756, Oct. 14.
Engine cylinder construction for cooling valve seat inserts. A. T. Gregory. 2,600,529, June 17.
Engine driven chain saw. E. C. Kiekhaefer. 2,610,657, Sept. 16.
Engine-driven electric generating plant. J. H. Abbink-Spaink. 2,583,131, Jan. 22.
Engine driving mechanism. R. Abell. 2,589,470, Mar. 18.
Engine exhaust condenser. R. E. Nelson. 2,591,187, Apr. 1.
Engine exhaust operated fluent material distributor. C. W. Loy and M. H. Mullis. 2,611,992, Sept. 30.
Engine fuel injection. P. Kollsman. 2,593,769, Apr. 22.
Engine fuel system. J. N. Novak. 2,580,696, Jan. 1.
Engine governor control means. C. D. Christie. 2,612,965, Oct. 7.
Engine governor dampener. J. C. Slonneger. 2,607,578, Aug. 19.
Engine governor for throttle valves. J. C. Slonneger. 2,606,752, Aug. 12.
Engine governor, Two-speed. A. W. Rickenbach. 2,622,576, Dec. 23.
Engine governor with modifier. C. L. Muszey and H. Carson. 2,605,095, July 29.
Engine having an electrically actuated valve mechanism, Heat. W. A. Ray. 2,604,079, July 22.
Engine having electric arc heating means, Valveless pulse jet. G. E. Mallinckrodt. 2,585,810, Feb. 12.
Engine having hydraulic means to connect turbine to engine output shaft at high load, Turbosupercharged internal-combustion. H. Schneider. 2,585,968, Feb. 19.
Engine including means for igniting the fuel within exhaust chambers exteriorly of the cylinders, Exhaust propulsion. H. G. Myhr. 2,609,657, Sept. 9.
Engine mount. C. J. Smith and F. J. Thoms. 2,588,171, Mar. 4.
Engine mount. E. Zoerlein, W. C. Vincent, and E. J. Luce. 2,598,632, May 27.
Engine mount attachment. B. C. Anderson. 2,591,393, Apr. 1.
Engine mounting. J. G. Else. 2,621,876, Dec. 16.
Engine of the oscillating cylinder type, Steam or air. H. E. Flory. 2,603,193. July 15.
Engine performance indicator. V. L. Waller. 2,607,314, Aug. 19.
Engine power analyzer, Internal-combustion. F. L. Richardson and P. R. Cronin. 2,622,441, Dec. 23.
Engine power control apparatus. S. Crum. 2,612,226, Sept. 30.
Engine pressure and speed control device. H. T. Sparrow. 2,612,225, Sept. 30.
Engine rocker arms, Making. J. M. Leake. 2,617,178, Nov. 11.
Engine speed control. J. D. Peterson and D. M. Lawrence. 2,604,615, July 22.
Engine starter. S. Gilbert. 2,592,271, Apr. 8.
Engine starter. B. H. Kellogg and C. D. Murdoch. 2,622,701, Dec. 23.
Engine starter. L. A. Morrison. 2,623,393, Dec. 30.
Engine starter control apparatus. P. L. Schneider, W. H. Taylor and H. J. Cromwell. 2,609,514, Sept. 2.
Engine starter drive. J. J. Digby. 2,606,449, Aug. 12.
Engine starter drive. J. J. Digby. 2,613,539, Oct. 14.
Engine starter drive. J. J. Digby. 2,620,671, Dec. 9.
Engine starter drive. D. L. Miller. 2,605,642, Aug. 5.
Engine starter drive. Y. Sekella. 2,609,696, Sept. 9.
Engine starter gearing. J. E. Buxton. 2,602,336, July 8.
Engine starter gearing. J. E. Buxton. 2,609,694–5, Sept. 9.
Engine starter gearing. J. J. Digby. 2,608,100, Aug. 26.
Engine starter gearing. D. L. Miller. 2,593,167, Apr. 15.
Engine starter gearing. D. L. Miller. 2,595,802, May 6.
Engine starter gearing. D. L. Miller. 2,602,335, July 8.
Engine starter gearing. A. R. Tobias. 2,620,670, Dec. 9.
Engine starter, Internal-combustion. W. H. Schnackle. 2,604,882, July 29.
Engine starter mechanism having a turbine as the prime mover. A. A. Rubbra. 2,614,798, Oct. 21.
Engine starter, Self-combustible solid charge operated. R. Wark. 2,590,432, Mar. 25.
Engine starting and propeller blade pitch adjusting apparatus. L. C. Dermond. 2,595,231, May 6.
Engine starting apparatus. T. W. Mills and C. C. Jones. 2,605,705, Aug. 5.
Engine starting apparatus. P. L. Schneider. 2,614,230, Oct. 14.
Engine starting device. A. H. Winkler. 2,597,606, May 20.
Engine stop device. F. J. St. Lucas. 2,600,810, June 17.
Engine switch with detent. L. D. Boyce. 2,611,841, Sept. 23.
Engine synchronization means. P. F. Bechberger and J. D. Peterson. 2,614,392, Oct. 21.
Engine with air filter, Air-coiled internal-combustion. K. Sonderegger. 2,595,175, Apr. 29.
Engine with power output control, Hot-gas piston. H. Rinia and H. de Brey. 2,602,288, July 8.
Engine with regenerator, Internal-combustion. F. R. Bell. 2,611,242, Sept. 23.
Engine with resonant combustion chamber and tangentially disposed exhaust tubes, Rotary pulse jet. W. L. Tenney and C. B. Marks. 2,599,209, June 3.
Engine with resonating combustion chambers, Gas turbine. L. A. J. Bauger. 2,593,523, Apr. 22.
Engine with rotary constant volume combustion chamber, Internal-combustion. J. F. Keys. 2,612,022, Sept. 30.
Engine with secondary taker-in, Carding. G. Clapperton. 2,600,969, June 17.
Engine with supercharger driven by an exhaust turbine, Internal-combustion. T. Shelley and N. H. Kent. 2,608,818, Sept. 2.
Engine with water injection, External-combustion. L. B. Patterson. 2,611,240, Sept. 23.
Engraving machine. W. H. Wellenstein. 2,619,877, Dec. 2.
Engraving machine, Mold. A. H. Kiehl. 2,614,464, Oct. 21.
Enhancing the whipping properties of egg albumen solutions and whippable egg albumen compositions. S. J. Werbin. 2,614,046, Oct. 14.
Enlargement photography. J. H. Troup. 2,605,447, July 29.
Enlarger and projector system, Combination. A. Evers. 2,603,125, July 15.
Enriching natural gas. H. M. Nelly, Jr., and T. E. Sullivan. 2,596,785, May 13.
Enrichment device and controlling the same. E. Bartholomew. 2,616,405, Nov. 4.
Enteric coated pyranisamine. W. C. Gakenheimer. 2,598,530, May 27.
Enteric coated sympatholytic composition. L. S. Goodman and M. Nickerson. 2,602,040, July 1.
Entrainment regulated fuel and air mixture forming apparatus. H. C. Stearns. 2,621,909, Dec. 16.
Entrance for chutes of coin-operated devices. J. B. Pillatsch. 2,598,010, May 27.
Entry guide for seamless tube plug rolling mills. A. F. Kritscher. 2,599,847, June 10.
Envelope. A. M. Broudy. 2,580,886, Jan. 1.
Envelope. A. I. Kegan and W. A. Neely. 2,601,530, June 24.
Envelope. H. M. Whitman. 2,600,146, June 10.
Envelope combination. V. J. Sawdon. 2,611,630, Sept. 23.
Envelope, Dry or pressure-sealing. V. E. Heywood. 2,601,946, July 1.
Envelope, Dual-purpose. J. G. Kerr. 2,600,114, June 10.
Envelope feeding mechanism. A. Novick. 2,584,730, Feb. 5.
Envelope for collapsible tubes, Resilient spring. E. Freedman. 2,600,631, June 17.
Envelope, Return. W. Woolsey. 2,588,950, Mar. 11.
Envelope structure. F. Gerson. 2,607,524, Aug. 19.
Envelope with hanger support. S. Robins. 2,590,273, Mar. 25.
Envelopes, Continuously attached. B. L. Henry. 2,610,784, Sept. 16.
Envelopes of electron discharge and other evacuated devices, Manufacture of the. E. Despois. Re. 23,492, May 20.
Enzymatic resolution of amino acids. L. Levintow and J. P. Greenstein. 2,610,828, Nov. 4.
Enzymatically deoxygenated product and process. D. L. Baker. Re. 23,523, July 22.
Epicyclic gear. A. G. Wilson and A. A. Miller. 2,612,792, Oct. 7.
Epicyclic helicopter rotor system. A. E. Larsen. 2,589,826, Mar. 18.
Episcopic optical projection apparatus. H. V. Briscoe and R. C. Byng. 2,583,409, Jan. 22.
Epoxide compositions. J. D. Zech. 2,581,464, Jan. 8.
Epoxide resin compositions. S. O. Greenlee. 2,615,008, Oct. 21.
Epoxide resins. S. O. Greenlee. 2,582,985, Jan. 22.
Epoxide resins. S. O. Greenlee. 2,615,007, Oct. 21.
Equalizer circuit. W. D. Goodale, Jr. 2,604,543, July 22.
Equalizer for artificial dentures. S. C. Robinson. 2,587,528, Feb. 26.
Equalizer system. L. L. Koros. 2,622,149, Dec. 16.
Equalizer winding for five-legged three-phase cores. K. D. Beardsley. 2,595,753, May 6.
Equalizing mechanism for feed rollers. R. F. Heinje. 2,621,778, Dec. 16.
Equatorial polishing generator. A. J. Holman. 2,586,334, Feb. 19.

Equilenin-3-monosulfate and alkaline salts thereof. G. A. Grant and W. L. Glen. 2,597,471, May 20.
Equilin-3-monosulfate and alkaline salts thereof. G. A. Grant and W. L. Glen. 2,597,723, May 20.
Equipment for measuring pressures normal to a body. J. Clark. 2,602,329, July 8.
Equipment for striking type characters. A. Bauer. 2,612,836, Oct. 7.
Equipment for use in the manufacture of drawing dies. W. E. Roux. 2,591,298, Apr. 1.
Equipment to be used in road construction. N. E. Parson. 2,622,494, Dec. 23.
Equipped portable drawing board. K. B. Gustafsson. 2,623,288, Dec. 30.
Erase head for use with commercial alternating current or equivalent. S. J. Begun. 2,604,550, July 22.
Eraser and cap assembly for pencils. L. H. Hansen. 2,613,644, Oct. 14.
Eraser device, Refillable. E. H. Metcalf. 2,601,544, June 24.
Eraser for electric typewriters, Power-operated. M. M. Alden. 2,593,515, Apr. 22.
Erasing head for magnetic record members. O. Kornei. 2,594,934, Apr. 29.
Erasing magnet assembly for magnetic recording and reproducing instruments. E. Barany and M. Sackter. 2,617,890, Nov. 11.
Erasure-debris collector on typewriters and like machines. W. Ettmüller. 2,583,259, Jan. 22.
Erecting concrete structures. W. E. Wread. 2,612,675, Oct. 7.
Erecting storage structures. J. A. Kroll and G. M. Smith. 2,605,540, Aug. 5.
Erector and ambulator device. W. F. Binschoff. 2,607,050, Aug. 19.
Error correction in sequential code pulse transmission. W. R. Bennett. 2,596,199, May 13.
Error-detecting and correcting system. R. W. Hamming and B. D. Holbrook. Re. 23,601, Dec. 23.
Error detector for telegraph printer codes. H. C. A. van Duuren. 2,622,148, Dec. 16.
Escalator cleaning means. O. Hohnecker. 2,617,515, Nov. 11.
Escape device. H. B. Tobias. 2,617,287, Nov. 11.
Escapement mechanism. C. F. Clifford. 2,616,298, Nov. 4.
Escapement mechanism. H. J. Graham and P. F. Powder. 2,611,911, Sept. 30.
Escapement mechanism. R. H. Scott and A. S. Hayward. 2,597,955, May 27.
Escapement mechanism of typographical composing machines. R. H. Scott and A. S. Hayward. 2,597,956, May 27.
Ester composition. H. S. Trigg, H. D. Norris and R. V. White. 2,610,205, Sept. 9.
Esterification of monohydric ether alcohols. C. J. Ryan. 2,587,904, Mar. 4.
Esterification of polyene acids. C. D. Robeson. 2,583,594, Jan. 29.
Esterification process. S. A. Harrison. 2,622,071, Dec. 16.
Esterified allyl ester-polycarboxylic acid copolymers. J. J. Gianmaria. 2,615,864, Oct. 28.
Esterified 4-vinylcyclohexene. H. L. Johnson and F. J. Bondhus. 2,598,263, May 27.
Esters and obtaining the same. E. M. Jones. 2,582,257, Jan. 15.
Esters of acridan-10-carboxylic acid and producing the same. J. W. Cusic. 2,623,046, Dec. 23.
Esters of acylated hydrocarboxylic acids. C. H. Fisher and M. L. Fein. 2,610,196, Sept. 9.
Esters of acylated lactic acid. M. L. Fein and C. H. Fisher. 2,590,852, Apr. 1.
Esters of aliphatic triols. R. R. Whetstone and D. E. Winkler. 2,585,884, Feb. 12.
Esters of alkane phosphonic acids. A. H. Lewis and R. D. Stayner. 2,587,340, Feb. 26.
Esters of α,β-dichloropropionic acid, Preparation of. W. O. Ney, Jr. 2,612,519, Sept. 30.
Esters of alpha-halogen carboxy acids with oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,382, Jan. 8.
Esters of alpha-piperidino aliphatic acids and their production. E. M. Jones. 2,582,255, Jan. 15.
Esters of alpha-piperidino alpha cyclohexyl acetic acid and their production. E. M. Jones. 2,582,256, Jan. 15.
Esters of blown hydroxy acetylated ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,372, Jan. 8.
Esters of certain oxyalkylated phenol-aldehyde resins with polyhydric alcohol-polybasic carboxy acid acyloxy acid esters. M. De Groote and B. Keiser. 2,581,381, Jan. 8.
Esters of chlorinated phenoxyacetic acids. W. W. Allen. 2,596,089, May 13.
Esters of cyclopentanoperhydrophenanthrene-3-malonic acids. E. Kaiser and J. Svars. 2,592,036, Apr. 8.
Esters of drastically oxidized castor oil fatty acids with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,379, Jan. 8.
Esters of drastically oxidized dehydrated castor oil fatty acids with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,378, Jan. 8.
Esters of hydroxy acetylated blown ricinoleic acid compounds with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,373–4, Jan. 8.
Esters of oxyalkylated phenol aldehyde resins with polyhydric alcohol-polybasic carboxy acid-monocarboxy acid esters. M. De Groote and B. Keiser. 2,581,380, Jan. 8.
Esters of polygalacturonic acid methylglycoside and salts thereof. J. Lee and L. Berger. 2,599,564, June 10.
Esters of polyhydroxy-benzoic acids and their preparation. W. C. Ault, G. C. Nutting, and J. K. Weil. 2,595,221, May 6.
Esters of polymers of maleic anhydride and beta-mercaptoethanol and process. M. Kosmin and J. M. Butler. 2,610,202, Sept. 9.
Esters of products from oxo synthesis, Production of. T. H. van Bavel and P. W. O. Wijga. 2,618,649, Nov. 18.
Esters of relatively strong organic and inorganic acids with aliphatic compounds having more than one carbon atom, Production of. E. P. Plueddemann. 2,612,514, Sept. 30.
Esters of sulfo high fatty acids with oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,375, Jan. 8.
Esters of thiophene-modified maleic anhydride-styrene copolymers and oil compositions containing the same. F. P. Otto and O. M. Reiff. 2,600,798, June 17.
Esters of thiophosphoric acid. G. Schrader and H. Kükenthal. 2,583,744, Jan. 29.
Esters of unsaturated acid-branched chain hexadiene polymer adducts. R. C. Morris and J. L. Van Winkle. Re. 23,518, July 1.
Esters, Preparing. J. T. Hackmann. 2,600,054, June 10.
Estradiol 17-cyclopentanepropionate. A. C. Ott. 2,611,773, Sept. 23.
Estrone, Manufacture of. M. Rubin, E. B. Hershberg, and E. Schwenk. 2,594,349, Apr. 29.
Etching apparatus. R. F. Hayms. 2,592,693, Apr. 15.
Etching ethylene diamine tartrate crystals. E. S. Pennell. 2,592,729, Apr. 15.
Etching glass block mold faces. R. A. Johnson. 2,621,114, Dec. 9.
Etching process. P. J. Hartauch and C. Wachtl. 2,599,914, June 10.
Ethanolamine, Production of. W. F. Gresham. 2,586,325, Feb. 19.
Ether esters of glycerol. D. S. Melstrom and S. A. Ballard. 2,604,489, July 22.
Ether-esters of polyhydroxy compounds. J. H. Schwartz, E. A. Talley, M. Zief, and C. H. Fisher. 2,602,789, July 8.
Etherification of hydroquinone. H. W. Grote. 2,615,051, Oct. 21.
Etherified phenyl aliphatic acids and their salts. D. Papa, E. Klingsberg, and E. Schwenk. 2,606,922, Aug. 12.
Ether-plasticized compositions. G. L. Goelling and K. H. Adams. 2,585,750, Feb. 12.
Ethers of allyl-type alcohols with halogen-containing substituted carbinols, and process. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,608,586, Aug. 26.
Ethers of polymerized epihalohydrin. H. Wittcoff. 2,599,799, June 10.
Ethyl alcohol, Producing and refining. R. L. Maycock and C. L. Dunn. Re. 23,507, May 27.
Ethyl-butylsulfamylbenzoic acid. C. Ziegler. 2,608,514, Aug. 26.
Ethyl cellulose composition containing di-tertiary-octyl diphenyloxide. E. L. Kropscott and P. H. Lipke, Jr. 2,604,413, July 22.
Ethyl dichlorophosphine, Preparing. M. S. Kharasch and S. Weinhouse. 2,615,043, Oct. 21.
Ethyl oxyethyl cellulose derivatives and preparation of the same. E. D. Klug. 2,610,180, Sept. 9.
Ethylxanthoylthioxy - dipiperidylphosphine sulfide. H. Tolkmith. 2,592,621, Apr. 15.
Ethylxanthoylthioxy-piperidyl-cyanophosphine oxide. H. Tolkmith. 2,592,620, Apr. 15.
Ethylene/butene-1,4-dioic acid monoester copolymers. D. M. McQueen. 2,599,119, June 3.
Ethyleneimino derivatives of phosphoric acid and preparing the same. R. P. Parker, D. R. Seeger, and E. Kuh. 2,606,902, Aug. 12.
Ethylene oxidation and silver on magnetite as catalyst therefor. F. W. Lamb. 2,593,156, Apr. 15.
Ethylene oxide process. R. L. Heider. 2,587,468, Feb. 26.
Ethylene oxide production and recovery. C. J. Thomas. 2,622,088, Dec. 16.
Ethylene oxide, Production of. F. C. Mawer. 2,585,483, Feb. 12.
Ethylene, Production of. L. Kniel. 2,588,323, Mar. 4.
Ethylene, Production of. R. W. White. 2,621,216, Dec. 9.
Ethylenesulfonic acid, Preparation of. J. A. Anthes and J. R. Dudley. 2,597,696, May 20.
Ethylene urea, Preparation of. L. J. Lutz. 2,615,025, Oct. 21.
Ethylidene bis-(allyl adipate) and other acylals. C. D. Hurd. 2,592,901, Apr. 15.
Etio-steroid acids, Preparation of. P. L. Julian and E. W. Meyer. 2,606,911, Aug. 12.
Evacuated drum drying machine. L. S. Overton. 2,602,498, July 8.
Evacuating and heat-sealing machine. J. Marziani. 2,608,333, Aug. 26.
Evaluating sanitary paper products. J. T. Sobota. 2,603,969, July 22.
Evaporating unit for heat exchange apparatus. G. Frie. 2,584,442, Feb. 5.

Evaporative condenser. A. E. Dempsey, Jr. 2,600,738, June 17.
Evaporative condenser. A. Lee and E. Lieberman. 2,595,580, May 6.
Evaporative cooler. R. N. Brookins. 2,588,612, Mar. 11.
Evaporative cooler. E. H. Osburn and R. Walklin. 2,580,826, Jan. 1.
Evaporative cooling system for internal-combustion engines. A. W. Pope, Jr. 2,586,562, Feb. 19.
Evaporative crystallization process and apparatus therefor. S. P. Robinson. 2,614,035, Oct. 14.
Evaporative fluid cooling apparatus. H. Malkoff. 2,583,149, Jan. 22.
Evaporative water cooler. W. M. Simpson. 2,612,359, Sept. 30.
Evaporator. C. O. Sandstrom. 2,602,644, July 8.
Evaporator for household refrigerators. H. A. Goldberg. 2,589,490, Mar. 18.
Evaporator, Regenerative. F. A. Loebel. 2,584,357, Feb. 5.
Evaporator structure in refrigerating apparatus. B. J. McGovern and S. P. Skoli. 2,617,264, Nov. 11.
Exact placing of printing plates, made of rubber or similar material, on printing cylinders or flat printing plate supports. E. Kreglewski. 2,609,749, Sept. 9.
Examining table with paper roll mounting structure, Physician's. H. R. Shampaine. 2,606,801, Aug. 12.
Excavating and loading plow with endless conveyer. R. Q. and G. E. Armington. 2,618,083, Nov. 18.
Excavating apparatus. B. O. Acker, Jr. 2,606,013, Aug. 5.
Excavating apparatus. C. E. Bannister. 2,599,042, June 3.
Excavator and loader. J. R. Kennedy. 2,603,894, July 22.
Excavator, Dragline. E. B. Nickles. 2,602,245, July 8.
Excavator, Drag line. A. N. Trask. 2,603,893, July 22.
Excavator, Pier hole. A. H. Beck, Jr. 2,594,720, Apr. 29.
Excavator, Self-loading. C. Bartsch. 2,587,092, Feb. 26.
Excess flow check valve. A. E. Horman. 2,590,250, Mar. 25.
Excess flow check valve. E. L. Mills and R. R. Zimmer. 2,586,691, Feb. 19.
Excess flow check valve. J. A. Neuhauer. 2,615,676, Oct. 28.
Excess flow control valve. O. L. Garretson. 2,591,060, Apr. 1.
Excess voltage grounding device. E. Vogelsanger. 2,618,765, Nov. 18.
Excitation system. M. A. Edwards. 2,604,616, July 22.
Excitation system. M. A. Edwards, D. E. Garr, and H. M. Ogle. 2,616,072, Oct. 28.
Exerciser, Push and pull. S. Hughes. 2,603,486, July 15.
Exercising apparatus. F. Manners. 2,613,932, Oct. 14.
Exercising apparatus. W. T. Mooney. 2,622,878, Dec. 23.
Exercising device. N. D. Lantry. 2,580,932, Jan. 1.
Exercising device, Push and pull. S. E. Olmstead. 2,621,043, Dec. 9.
Exhaust and induction system for internal-combustion engines. G. J. Allday. 2,611,353, Sept. 23.
Exhaust damper. A. G. Enander. 2,609,837, Sept. 9.
Exhaust discharge for outboard motors. H. P. Henry. 2,601,396, June 24.
Exhaust driven supercharger control. S. M. Udale. 2,621,472, Dec. 16.
Exhaust gas conditioning method. J. P. Ruth. 2,611,680, Sept. 23.
Exhaust gas conveyer, Portable. F. E. Brady, Jr. 2,598,884, June 3.
Exhaust induced cooling system for gas turbines. D. N. Walker. 2,599,879, June 10.
Exhaust manifold for internal-combustion engines. R. L. Fryer, Jr. 2,611,238, Sept. 23.
Exhaust muffler with frustro-conical body, Air-cooled. W. W. Cushman. 2,586,788, Feb. 26.
Exhaust nozzle tip for locomotives. C. W. Baker. 2,609,986, Sept. 9.
Exhaust pipe extension of deflector form. C. W. Chester. 2,587,115, Feb. 26.
Exhaust system for grinding wheels and the like. L. Oftedal. 2,618,916, Nov. 25.
Exhibiting device, Portable. C. C. Shinn. 2,602,252, July 8.
Exothermically reacting sleeve for risers. K. Strauss and R. F. Boddey. 2,591,105, Apr. 1.
Expanded, cellular, resinous products containing polyepoxides and aconitic acid. J. E. Koroly. 2,623,023, Dec. 23.
Expanded electrical transmission cable. M. E. Noyes. 2,589,507, Mar. 18.
Expanded metal gratings, Making. F. A. Gruetjen. 2,609,781, Sept. 9.
Expanded polyvinyl alcohol-formaldehyde reaction product and product resulting therefrom, Making. C. L. Wilson. 2,609,347, Sept. 2.
Expanded rice products, Production of. R. L. Roberts. 2,616,808, Nov. 4.
Expanded rubber container and making same. H. Pfleumer. 2,622,645, Dec. 23.
Expanded scale timer. H. A. Wyman. 2,620,872, Dec. 9.
Expander and applicator for pipe protector collars. J. H. Goode. 2,607,984, Aug. 26.
Expander and oil check for piston rings, Combined. S. S. Slyk. 2,614,010, Oct. 14.
Expander device. A. R. Hedberg. 2,594,164, Apr. 22.
Expander for brakes and clutches. R. J. Keller. 2,612,909, Oct. 7.
Expanding folder and manufacturing same. M. Flament. 2,610,868, Sept. 16.
Expanding mandrel. V. E. Enz. 2,615,644, Oct. 28.
Expanding mandrel. H. C. Spahn. 2,601,419, June 24.
Expanding mouth filter for suction cleaning devices. U. A. Whitaker. 2,613,760, Oct. 14.
Expanding perlite, Method and apparatus for. E. D. Zoradi. 2,602,782, July 8.
Expanding perlitic minerals. W. E. Johnson and H. Reintjes. 2,621,160, Dec. 9.
Expanding-pulley variable-speed gear. G. Ruegenberg. 2,607,235, Aug. 19.
Expansible chamber rotary fluid displacement device. J. M. Clark. 2,582,413, Jan. 15.
Expansible holder. T. C. Kane. 2,621,053, Dec. 9.
Expansible last. E. W. Stacey. 2,597,197, May 20.
Expansible mandrel. K. E. L. Grettve. 2,621,867, Dec. 16.
Expansible mandrel. H. D. Paxson. 2,587,885, Mar. 4.
Expansible mold for casting concrete beams. G. B. Price. 2,614,309, Oct. 21.
Expansible molding core. K. P. Billner. 2,612,673, Oct. 7.
Expansible pulley. J. Mitchell. 2,611,277, Sept. 23.
Expansible rotary drill bit. A. W. Kammerer. 2,599,060, June 3.
Expansible sleeve type valve. D. H. Annin. 2,621,889, Dec. 16.
Expansible tube tensilizing apparatus. H. Rosenfeld. 2,582,165, Jan. 8.
Expansible wall receptacle. I. E. Dearsley. 2,584,431, Feb. 5.
Expansion and safety device for hydraulic brake systems. G. C. Goodell, Jr. 2,581,792, Jan. 8.
Expansion arbor. H. Wollner. 2,612,376, Sept. 30.
Expansion compensated countercurrent heat exchanger. W. L. Stadler. 2,612,350, Sept. 30.
Expansion control for hay balers. H. C. Schaefer. 2,613,593, Oct. 14.
Expansion engine. S. C. Collins. 2,607,322, Aug. 19.
Expansion head for torpedoes. T. C. Boyle. 2,582,226, Jan. 15.
Expansion insert. E. C. Crowther. 2,596,952, May 13.
Expansion joint. R. Smith-Johannsen. 2,602,408, July 8.
Expansion joint cleaner. G. D. Eder. 2,584,993, Feb. 12.
Expansion lease comb. T. E. Watson. 2,610,383, Sept. 16.
Expansion of compressed cork particles by steaming. C. J. Schaller. 2,588,418, Mar. 11.
Expansion valve. W. A. Ray. 2,622,408, Dec. 23.
Expediting the drilling of wells, Method of and apparatus for. J. I. Sloan. 2,595,715, May 6.
Expendible cartridge filter and making same. F. B. Harvuot. 2,584,387, Feb. 5.
Exploration of troposphere stratification. G. W. Gilman. 2,606,443, Aug. 12.
Explosion engine ignition. N. Felici. 2,590,168, Mar. 25.
Explosion gas turbine plant. J. H. Anderson. 2,617,254, Nov. 11.
Explosion-proof dynamoelectric machine. H. D. Else and P. J. Weber. 2,594,003, Apr. 22.
Explosion-proof gasoline tank. A. Fashay. 2,611,512, Sept. 23.
Explosion-proof heater. L. R. Mast. 2,590,336, Mar. 25.
Explosive booster. H. R. Wright and R. W. Martyn. 2,583,802, Jan. 29.
Explosive cartridge. R. W. Lawrence. 2,622,528, Dec. 23.
Explosive cartridge assembly. A. W. Baker. 2,590,671, Mar. 25.
Explosive composition. J. E. Riley. 2,594,996, Apr. 29.
Explosive device. R. W. Lawrence. 2,595,960, May 6.
Explosive dump shell. P. F. Lewis. 2,594,780, Apr. 29.
Explosive primer. G. Morris. 2,617,326, Nov. 11.
Explosive rivet gun tip assembly. P. B. Rakowski, Jr. 2,581,815, Jan. 8.
Explosively actuated bonding tool. R. Temple. 2,590,583, Mar. 25.
Explosively actuated mine roof bolt anchor. R. Temple. 2,618,192, Nov. 18.
Exposed mixing chamber, mask, retainer, and valve control assembly. S. A. Young. 2,591,991, Apr. 8.
Exposing apparatus for photographic contact printing. L. P. F. van der Grinten. 2,585,519, Feb. 12.
Exposure apparatus for photographic contact printing on rotary cylinders. T. P. C. Breuers and T. H. Linthout. 2,600,469, June 17.
Exposure meter. M. E. Fogle. 2,584,440, Feb. 5.
Exposure meter dial structure. F. P. Willcox. 2,584,406, Feb. 5.
Exposure meter for incident light measurements, Photoelectric. F. P. Willcox. 2,612,817, Oct. 7.
Expulsion gap lightning arrester. T. I. Eiridge, Jr. and W. H. Young. 2,619,610, Nov. 25.
Expulsion type arrester. C. W. Petersen. 2,620,452, Dec. 2.
Extended article-gripping device. C. H. Ziese. 1,616,741, Nov. 4.
Extended door latch. H. C. Ross. 2,601,459, June 24.
Extended surface heat exchangers, Making. D. Dalin. 2,584,189, Feb. 5.
Extendible and collapsible filter bag. E. Anderson. 2,621,757, Dec. 16.

Extensible bolster roll. V. M. Sage and I. C. Plant. 2,593,056, Apr. 15.
Extensible cord for electrical appliance. C. H. MacFarland. 2,607,863, Aug. 19.
Extensible crank for motion-picture cameras. A. Perrot. 2,620,682, Dec. 9.
Extensible draft tongue for trailers and the like. J. H. Stees. 2,591,312, Apr. 1.
Extensible drop-leaf table. L. G. Larson. 2,598,804, June 3.
Extensible garment hanger. F. H. Bremer. 2,620,102, Dec. 2.
Extensible gate lock. W. Saber. 2,592,956, Apr. 15.
Extensible hack saw frame. G. A. Lindenau. 2,616,465, Nov. 4.
Extensible shutter construction. U. Cochetti. 2,621,727, Dec. 16.
Extensible strut for reshaping deformed automobile bodies. J. W. Geddes and T. C. Porter. 2,621,948, Dec. 16.
Extensible thread for winding about objects, Preparation of. H. N. Huse. 2,599,390, June 3.
Extension cord tap. S. M. Weisberg. 2,609,414, Sept. 2.
Extension device. P. F. Volk. 2,596,186, May 13.
Extension end table leaf elevator with latching means. G. L'Heureux. 2,621,991, Dec. 16.
Extension for bed rails. G. Hill. 2,582,035, Jan. 8.
Extension ladder and lock therefor. R. O. Balogh and E. G. Humpal. 2,615,609, Oct. 28.
Extensometer. J. Rebman. 2,611,966, Sept. 30.
Exterminator, Insect and rodent. C. B. Taff. 2,588,894, Mar. 11.
Exterminator. Rat and mouse. F. U. Smith. 2,587,397, Feb. 26.
External memory device for electronic digital computers. A. W. Tyler and R. D. O'Neal. 2,596,741, May 13.
External powder scarfing process and apparatus. F. Moesinger, Jr. 2,622,048, Dec. 16.
Extracting and concentrating juices. G. L. Cunningham. 2,602,750, July 8.
Extracting aromatic oils from vanilla beans. L. Romagnan. 2,601,635, June 24.
Extracting cardioactive glycosides from Bovlea volubilis. G. Schenck and F. Rattinger. 2,615,016, Oct. 21.
Extracting cores of soil from the ground. W. Kjellman and T. K. E. Kallstenius. 2,615,680, Oct. 28.
Extracting fatty matters from cork. A. Guillemonat. 2,617,814, Nov. 11.
Extracting lubricating oil fractions. J. A. Anderson, Jr., C. M. Floyd, and E. F. Wadley. 2,603,590, July 15.
Extracting of globulins. M. E. Mackay and R. A Kekwick. 2,606,180, Aug. 5.
Extracting oxygen compounds from hydrocarbon mixtures. W. Rottig. 2,581,712, Jan. 8.
Extracting potassium from dilute solutions. J. Kielland and H. Harang. 2,617,710, Nov. 11.
Extracting proteins from yeast. R. S. Aries. 2,603,630, July 15.
Extracting uranium from bituminous shales and shale culm containing uranium. M. Larsson. 2,597,504, May 20.
Extracting vegetable protein. B. Vassel. 2,607,767, Aug. 19.
Extraction and treatment of fruit products. E. P. Wenzelberger. 2,614,048, Oct. 14.
Extraction apparatus and method. A. B. Kennedy. 2,585,473, Feb. 12.
Extraction from Irish moss. E. K. Nielsen and N. R. Pellicani. 2,620,334–5, Dec. 2.
Extraction of aromatic hydrocarbons with esters of thiolsulfonic acid. W. F. Wolff and C. E. Johnson. 2,615,057, Oct. 21.
Extraction of beet sugar, Process and apparatus for the. B. Langen. 2,602,762, July 8.
Extraction of cerium with an organic solvent. E. C. Pitzer. 2,615,798, Oct. 28.
Extraction of citrus juice. W. P. Arndt. 2,608,486, Aug. 26.
Extraction of cycloheximide. B. E. Leach. 2,612,502, Sept. 30.
Extraction of dimethylacetamide. R. L. Helder. 2,602,817, July 8.
Extraction of high acidic concentrations from gases. I. C. Bechtold and A. L. Kohl. 2,607,657, Aug. 19.
Extraction of pectic substances from vegetable matter. C. L. Walsh and B. A. Adams. 2,586,407, Feb. 19.
Extraction of valuable constituents from unexposed oil-bearing shales not spent by oxidation. E. J. Schabelitz. 2,596,793, May 13.
Extraction process. C. L. Read. 2,610,942, Sept. 16.
Extractive distillation of alcohol-aldehyde solutions. C. E. Morrell, J. Stewart, and C. S. Carlson. 2,614,970, Oct. 21.
Extractive distillation of alcohol-containing mixtures. C. E. Morrell, C. S. Carlson, and P. V. Smith, Jr. 2,591,713, Apr. 8.
Extractive distillation of alcohols with phenol solvent. C. S. Carlson and P. V. Smith, Jr. 2,583,412, Jan. 22.
Extractive distillation of close-boiling alcohols. C. S. Carlson. 2,620,294, Dec. 2.
Extractive distillation of close-boiling alcohols having partial immiscibility with water. C. E. Morrell, N. C. Robertson, and C. S. Carlson. 2,595,805, May 6.
Extractive distillation of close-boiling organic compounds from their liquid mixtures. C. E. Morrell and N. C. Robertson. 2,591,712, Apr. 8.
Extractive distillation of ethanol contaminated by n-propanol. C. E. Morrell, C. S. Carlson, and N. C. Robertson. 2,612,467, Sept. 30.
Extractive distillation of isoprene with dimethyl sulfolane. H. W. Scheeline. 2,623,844, Dec. 30.
Extractive distillation of oxygenated organic compounds. T. Q. Eliot, C. S. Goodin, Jr., and J. C. Weaver, Jr. 2,607,719, Aug. 19.
Extractive distillation process. W. M. Drout, Jr. 2,610,141, Sept. 9.
Extractive distillation with salt solutions. C. E. Morrell and E. R. Gilliland. 2,612,468, Sept. 30.
Extractive tractionation process. L. C. Fetterly. 2,588,506, Mar. 11.
Extractor: *See*—
Bone extractor.
Broken pipe extractor.
Citrus fruit juice extractor.
Fishhook extactor.
Fruit juice extractor.
Juice extractor.
Magnetic extractor.
Orange juice extractor.
Pipe extractor.
Pneumatic juice extractor.
Small tree and plant extractor.
Staple extractor.
Stud extractor.
Extractor. M. M. Berger. 2,586,292, Feb. 19.
Extractor. E. W. Flosdorf and E. C. Distler. 2,619,024, Nov. 25.
Extractor claw construction for firearms. L. Elkas. 2,603,019, July 15.
Extractor device for pipe cleaners. C. W. Hewitt. 2,602,454, July 8.
Extractor for firearms. C. E. Simpson. 2,591,733, Apr. 8.
Extractor for guns with pivoted breech-blocks. C. A. Perry. 2,606,384, Aug. 12.
Extreme pressure greases. J. E. Schott and E. L. Armstrong. 2,583,394, Jan. 22.
Extreme pressure lubricant. E. B. Cyphers and A. H. Popkin. 2,623,018, Dec. 23.
Extreme pressure lubricant. C. Jouandet and J. Riegert. 2,619,463, Nov. 25.
Extreme pressure lubricant. W. E. Waddey and E. B. Cyphers. 2,592,397, Apr. 8.
Extruder. E. E. Heaton. 2,595,455, May 6.
Extruder injector combination for use in the attachment of heels to shoes. J. W. Ashley and J. F. Leahy. 2,589,323, Mar. 18.
Extruding and briquetting coal and other materials, Method and apparatus for. W. V. Johnson. 2,617,167, Nov. 11.
Extruding flanges around holes in metal sheets and welding nuts thereto. F. M. Prucha. 2,623,974, Dec. 30.
Extruding porous material. E. A. Bodkin. 2,617,169, Nov. 11.
Extruding rubber-like material, Method and apparatus for. T. O. Mathues. 2,612,655, Oct. 7.
Extruding tubes from thermoplastic compositions, Method and apparatus for. D. A. Barry and J. H. Pfeiffer. 2,616,128, Nov. 4.
Extrusion apparatus. G. S. Brown. 2,591,508, Apr. 1.
Extrusion apparatus. J. A. Hjulian. 2,598,913, June 3.
Extrusion apparatus. A. B. F. G. Richardson, E. Tunnicliff, and I. K. Fisher. 2,607,953, Aug. 26.
Extrusion coating machine. R. C. Sturken. 2,607,712, Aug. 19.
Extrusion device and process. L. L. Gillett. 2,591,662, Apr. 1.
Extrusion die. M. W. Olson. 2,581,769, Jan. 8.
Extrusion die for solventless powder. H. E. Higbie. 2,597,638, May 20.
Extrusion head for molding synthetic resins. R. Colombo. 2,592,658, Apr. 15.
Extrusion method and apparatus. M. W. Olson. 2,620,515, Dec. 9.
Extrusion mill. E. N. Meakin. 2,603,170, July 15.
Extrusion of inorganic oxide hydrogels. E. A. Bodkin. 2,604,662, July 29.
Eyecup attachment for containers. H. L. Mock. 2,585,264, Feb. 12.
Eyecup set, Adjustable twin. J. Raschkind. 2,600,920, June 17.
Eye examining device having concave mirror. F. W. Brady. 2,582,227, Jan. 15.
Eye exercising device. R. W. Ryan. 2,589,145, Mar. 11.
Eyeglass case. I. J. Gershen. 2,590,955, Apr. 1.
Eyeglass frame construction, Two-piece. C. Castelli. 2,594,395, Apr. 29.
Eyeglass holder. J. L. Glunt and C. T. Brown. 2,623,722, Dec. 30.
Eyeglass rim-stretching apparatus. J. F. Schwebel, Sr 2,613,561, Oct. 14.
Eyeglass lens frame. J. L. Rooney. 2,604,010, July 22.
Eyeglasses having improved temple pivot structure. G. R. Hoffmaster. 2,587,472, Feb. 26.
Eyelash brush and comb holder, Combined. O. G. Babion. 2,611,375, Sept. 23.
Eyelash curler. C. M. Palmer. 2,598,718–19, June 3.
Eyeleting machine. S. L. Dookin. 2,612,282, Sept. 30.
Eyepiece for telescopes. A. A. Levin. 2,620,706, Dec. 9.
Eyepiece mounting means. D. E. Davidson. 2,610,545, Sept. 16.
Eye patch, Child's. A. F. Landry. 2,586,064, Feb. 19.

Eye protection device. C. A. Ellis. 2,608,687, Sept. 2.
Eye protection device. E. M. Splaine. 2,584,934, Feb. 5.
Eye protection device. E. M. Splaine. 2,603,785, July 22.
Eye protective device. C. A. Ellis. 2,614,255, Oct. 21.
Eye protective device. G. H. Schauweker. 2,580,605, Jan. 1.
Eyeshade. A. M. Brown and N. M. Earl. 2,601,084, June 17.
Eyeshade. J. A. Gilmartin. 2,603,783, July 22.
Eyeshade and sunglasses, Combination. F. S. Creighton. 2,616,082, Nov. 4.
Eyeshield. F. G. Gay, Jr., and D. J. McCulloch. 2,590,397, Mar. 25.
Eyeshield. R. F. E. Stegeman. 2,607,919, Aug. 26.
Eyeshield for automobile drivers, Antiglare. H. Gruber. 2,607,918, Aug. 26.
Eyeshield for headgears. H. Vaca. 2,619,641, Dec. 2.
Eye shield, Optical. W. C. Moeller. 2,617,100, Nov. 11.
Eyeshield, Protective. H. M. Richardson and W. S. Larson. 2,589,575, Mar. 18.
Eyeshield structure. W. C. Moeller. 2,582,345. Jan. 15.
Eye-stay assembly for fabric fastening. L. Markin. 2,593,162, Apr. 15.
Eyewire construction for spectacle frames. R. F. E. Stegeman. 2,599,074, June 3.
Fabric: *See*—
Cellulosic textile fabric.
Elastic fabric.
Electrically heated fabric.
Heat treated glass fabric.
Knitted fabric.
Marking out fabric.
Radiant energy opaque fabric.
Soil-resistant pile fabric.
Stiffened woven fabric.
Tear-resistant fabric.
Textile fabric.
Tubular knitted fabric.
Water-repellent glass fiber fabric.
Woven elastic fabric.
Woven fabric.
Fabric adapted for use as upholstery covers and the like, Woven. F. M. Merrill. 2,590,995, Apr. 1.
Fabric and garment made of same, Pleated. S. Feldman. 2,599,168, June 3.
Fabric and making same, Pile. B. K. Symonds. 2,599,293, June 3.
Fabric and making the same, Corrugated. B. H. Foster. 2,607,104, Aug. 19.
Fabric and making the same, Decorated flexible. L. Kaphan. 2,582,132, Jan. 8.
Fabric and making the same, Knitted. E. S. Barsby and A. P. Saunders. 2,580,506, Jan. 1.
Fabric belt hoist. F. W. Coming. 2,596,326, May 13.
Fabric cover. J. F. Rohs and O. W. Davidson. Re. 23,603, Dec. 23.
Fabric cover. J. F. Rohs and O. W. Davidson. 2,601,326, June 24.
Fabric cutter. V. Mittelstaedt. 2,601,414, June 24.
Fabric edge-folding and pressing machine. D. Goldberg. 2,609,129, Sept. 2.
Fabric guide for sewing machines. L. Schwartz. 2,588,886, Mar. 11.
Fabric material provided with paraffin coating. K. A. Fischer. 2,594,547, Apr. 29.
Fabric panel clamp. W. R. Swanson. 2,597,401, May 20.
Fabric-reinforced bowling pin. W. L. Hunt. 2,610,057, Sept. 9.
Fabric roll take-up for knitting machines. R. H. Lawson. 2,586,470, Feb. 19.
Fabric slitting apparatus. J. M. Volpi. 2,623,586, Dec. 30.
Fabric strip and holder therefor. A. B. Wester, Jr. 2,585,061, Feb. 12.
Fabric take-off device for full-fashioned knitting machines and operating same. H. E. Haehnel. 2,601,768, July 1.
Fabric take-up device on straight-bar knitting machines. H. Diem. 2,610,495, Sept. 16.
Fabric tension control means for knitting machines. H. E. Haehnel. 2,605,626, Aug. 5.
Fabric treating thermoplastic resin-rosin composition. R. J. B. Elissabide. 2,603,612, July 15.
Fabric wear tester. H. F. Clapham. 2,590,839, Apr. 1.
Fabric weaving with groups of elastic and relatively inelastic warps. M. E. Duckoff. 2,595,778, May 6.
Fabrics having a support backing and upstanding pile, Manufacturing. G. C. Ahler, A. V. Champagnat, and J. F. M. Tirmont. 2,602,765, July 8.
Fabricated press. R. K. Sedgwick. 2,599,022, June 3.
Fabricated terminal board. I. R. Latta. 2,623,087, Dec. 23.
Fabricating a double-wall container. E. M. Beekman. 2,604,426, July 22.
Fabricating filled capsules, Process of and mechanism for. R. P. and J. O. Scherer. 2,584,622, Feb. 5.
Fabricating mechanism. W. S. Touchman. 2,610,550, Sept. 16.
Fabricating multicomponent glass articles. E. J. Jobling-Purser, S. M. Cox, P. L. Kirby, and K. A. Murdoch. 2,620,598, Dec. 9.
Fabricating plastic Venetian blind ladders. J. L. Hunter and T. A. Martin. 2,614,956, Oct. 21.
Fabrication of garment fastening element. L. Markin. 2,597,654, May 20.
Face mask. J. Rosen and F. P. Nadel. 2,617,415, Nov. 11.
Face mask for protection against dust and the like. T. T. MacLean. 2,591,953, Apr. 8.
Face powder dispensing receptacle. W. Majewski. 2,581,267, Jan. 1.
Face protecting mask. J. N. Weaver and G. W. Davis. 2,616,081, Nov. 4.
Face protective device. J. O. Johnson. 2,610,323, Sept. 16.
Facial iron and vibrator. M. Grunwald. 2,593,875, Apr. 22.
Facilitating the laying of masonry units. P. H. Sommers. 2,585,283, Feb. 12.
Facsimile apparatus employing a stylus. A. G. Cooley. 2,591,138, Apr. 1.
Facsimile machine. W. P. Asten. 2,601,236, June 24.
Facsimile recorder with styli actuated or propelled by a belt. A. G. Cooley and G. B. Busch. 2,613,124, Oct. 7.
Facsimile scanner. C. J. Young. 2,581,616, Jan. 8.
Facsimile scanner, Continuous. B. F. Grib. 2,587,145, Feb. 26.
Facsimile system. K. W. Pfleger. 2,608,616, Aug. 26.
Facsimile transmission copies for degraded reception, Preparing. M. Morrison. 2,604,532, July 22.
Factory building. A. Horowitz and H. Koekebakker. 2,604,670, July 29.
Fader for radio receiving or other apparatus. F. H. Owens. 2,584,155, Feb. 5.
Fading compensation radio signaling system. D. S. Bond and L. E. Thomson. 2,610,292, Sept. 9.
Faller bar and making same. A. J. Craig. 2,606,269, Aug. 5.
Faller bar synchronizing and cross-drive. R. G. Denton, Jr. 2,621,370, Dec. 16.
Falling-film fractionation. C. Pyle and J. A. Lane. 2,609,334, Sept. 2.
Falling film type of vacuum still with rotating partial condenser. A. W. Goldsbarry and M. S. Agruss. 2,613,176, Oct. 7.
False twister. O. W. Schlums. 2,620,517, Dec. 9.
Fan. R. D. Moore. 2,596,781, May 13.
Fan and compressor, Axial flow. G. A. Dean. 2,595,829, May 6.
Fan and delivery tube, Reversible. D. D. Herrman and H. K. Monroe. 2,611,533, Sept. 23.
Fan and heater, electric. J. P. Theisen. 2,583,754, Jan. 29.
Fan and power supply means therefor, Oscillating electric. F. G. Andersen. 2,615,619, Oct. 28.
Fan and pump drive for engine cooling. L. Lee, II. 2,607,327, Aug. 19.
Fan assembly. O. C. Palmer and E. E. Mix. 2,620,970, Dec. 9.
Fan, Axial flow. J. G. Sawyer. 2,592,471, Apr. 8.
Fan belt tool. R. H. Ross. 2,615,345, Oct. 28.
Fan blade and its formation. W. E. Morrison. 2,581,873, Jan. 8.
Fan blade structure. G. L. Moeller. 2,585,265, Feb. 12.
Fan-cooled motor. L. R. Ludwig, T. C. Fockler, W. H. Forinhals, and H. T. Walton. 2,615,937, Oct. 28.
Fan drive clutch. A. Y. Dodge. 2,588,495, Mar. 11.
Fan, Electric. G. A. Dean. 2,582,532, Jan. 15.
Fan, Electric. C. A. Lindberg. 2,590,877, Apr. 1.
Fan, Electric. G. J. Reisch. 2,605,959, Aug. 5.
Fan, Electric. G. C. Tulk. 2,582,572, Jan. 15.
Fan, Enclosed oscillating. G. J. Reisch. 2,600,325, June 10.
Fan, Exhaust. F. J. Hoffman. 2,583,374, Jan. 22.
Fan, Flashlight. J. E. Popovich. 2,595,406, May 6.
Fan-folded stack of corrugated board for tubular containers. C. W. Apgar. 2,604,984, July 29.
Fan, Folding. P. R. Francis. 2,581,643, Jan. 8.
Fan for aircraft propeller spinners. G. A. Dean. 2,607,430, Aug. 19.
Fan for cooling induction motors. L. E. Aske. 2,586,452, Feb. 19.
Fan for humidifying, deodorizing, or the like. O. A. Sutton. 2,603,468, July 15.
Fan guard. G. C. Kemler. 2,617,583, Nov. 11.
Fan motor mount on ventilating panel. A. D. Goettl. 2,615,620, Oct. 28.
Fan or ventilator, Reversible window. C. Krauss. 2,620,721, Dec. 9.
Fan, Oscillating. G. J. Reisch. 2,599,284, June 3.
Fan oscillating device, Electric. L. Farnsworth. 2,618,434, Nov. 18.
Fan oscillating mechanism. K. A. Ellis. 2,590,762, Mar. 25.
Fan, Overhead. H. J. Bordé and H. O. Fuchs. 2,619,020, Nov. 25.
Fan, Portable electric. A. F. Fukal. 2,590,952, Apr. 1.
Fan, Reversible rotary. A. P. Allen. 2,620,039, Dec. 2.
Fan, Self-feathering. S. D. Bell. 2,601,495, June 24.
Fan, Two-speed engine cooling. H. M. Geyer and H. Carson. 2,609,054, Sept. 2.
Fan, Wall box. G. H. Koch. 2,580,797, Jan. 1.
Fan wheel. R. B. Beranek. 2,592,851, Apr. 15.
Fan with heating attachment, Electric. P. Varis. 2,614,201, Oct. 14.
Fans, Air-conditioning and vaporizing. J. L. Baughman. 2,608,436, Aug. 26.
Fare register having photoelectric fare sensing mechanism. A. M. Gordon. 2,594,422, Apr. 29.
Farm implement lift and frame. P. L. Morton. 2,607,276, Aug. 19.
Fashioned weft knit fabric, Making. C. S. Bennington. 2,616,275, Nov. 4.
Fast neutron dosimeter. G. S. Hurst. 2,616,052, Oct. 28.

Fastener: *See*—
- Automatically releasable flank strap fastener.
- Blind fastener.
- Button fastener.
- Carpet fastener.
- Chain fastener.
- Closure fastener.
- Compressable fastener.
- Cover fastener.
- Cowl fastener.
- Crypt fastener.
- Distortable fastener.
- Door fastener.
- Draft fastener.
- Drive fastener.
- Electrical connection fastener.
- Garment safety pin fastener.
- High shear blind fastener.
- Hookless slide fastener.
- Insert fastener.
- Key fastener.
- Lading tie fastener.
- Lateral moving table leg fastener.
- License plate fastener.
- Lid fastener.
- Metal plate rotary fastener.
- Molding fastener.
- One-way detachable snap fastener.
- Pane fastener.
- Paper fastener.
- Plug fastener.
- Quick-acting, self-locking fastener.
- Quick detachable toilet hinge post fastener.
- Quick release fastener.
- Quickly operable fastener.
- Recessed head fastener.
- Resilient screw fastener.
- Safety window guard fastener.
- Separable fastener.
- Separable pin fastener.
- Separable slide fastener.
- Sheet metal fastener.
- Slide fastener.
- Sliding clasp fastener.
- Snap fastener.
- Store front pane fastener.
- Storm window fastener.
- Temporary button fastener.
- Tire chain fastener.
- Toggle fastener.
- Turn-in stud mounting molding snap fastener.
- Upholstery tuft fastener.
- Windowpane fastener.
- Wood fastener.

Fastener. W. A. Bedford, Jr. 2,582,579, Jan. 15.
Fastener. K. C. Bugg. 2,610,379, Sept. 16.
Fastener. R. D. Bullard. 2,616,377, Nov. 4.
Fastener. H. J. Dorgelys. 2,613,419, Oct. 14.
Fastener. H. V. Kingsmore. 2,616,328, Nov. 4.
Fastener. D. A. Lingner. 2,607,097, Aug. 19.
Fastener. J. B. O'Connor. 2,595,695, Apr. 29.
Fastener. J. A. C. Silberman. 2,593,084, Apr. 15.
Fastener. O. S. Tuttle. 2,607,447, Aug. 19.
Fastener and making the same, Driven. J. C. Lang. 2,597,344, May 20.
Fastener and washer assembling. H. Z. Gora. 2,613,374, Oct. 14.
Fastener applying device. H. J. Spencer. 2,603,782, July 22.
Fastener applying device. H. J. Spencer. 2,617,097, Nov. 11.
Fastener assembly, Separable. N. A. Wahl. 2,586,891, Feb. 26.
Fastener assembly for garments. J. M. Schaye. 2,622,248, Dec. 23.
Fastener clip. W. A. Bedford, Jr. 2,620,532, Dec. 9.
Fastener device. W. A. Bedford, Jr. 2,610,377, Sept. 16.
Fastener device. R. N. Green. 2,599,105, June 3.
Fastener device. O. J. Poupitch. 2,620,539, Dec. 9.
Fastener device, Hookless. S. J. Lackritz. 2,590,107, Mar. 25.
Fastener device, Panel. W. A. Bedford, Jr. 2,607,971, Aug. 26.
Fastener driving tool for two-step operation, Triggered. P. D. Becker. 2,582,578, Jan. 15.
Fastener for apertured panels. H. W. Kost. 2,588,251, Mar. 4.
Fastener for butt joints. E. Schlueter. 2,581,816, Jan. 8.
Fastener for furniture legs and frames, Separable. H. Mutchnik. 2,620,248, Dec. 2.
Fastener for pin-up drawings, Art-style. W. A. Worth, Jr. 2,583,129, Jan. 22.
Fastener for securing molding trims. O. J. Poupitch. 2,584,813, Feb. 5.
Fastener for securing objects to panels, Rotary attached. L. H. Flora and C. A. Kelley. 2,596,332, May 13.
Fastener for show windows. W. Hallauer. 2,602,528, July 8.
Fastener for sliding closures. A. G. Dean. 2,599,511, June 3.
Fastener forming and driving device. J. C. Lang. 2,580,444, Jan. 1.
Fastener guiding attachment for sewing machines. V. Ostertag. 2,605,728, Aug. 5.
Fastener guiding attachment for sewing machines. A. M. Schweda. 2,603,174, July 15.
Fastener having clamping head. O. J. Poupitch. 2,594,211, Apr. 22.
Fastener insert, Expandible. T. A. McCollum. 2,591,575, Apr. 1.
Fastener, Making headed. H. F. Phipard, Jr. 2,609,550, Sept. 9.
Fastener receptacle. C. J. Gunther. 2,585,241, Feb. 12.
Fastener stud. W. Dsus. 2,614,306, Oct. 21.
Fastening arrangement for skis. G. Windahl. 2,581,824, Jan. 8.
Fastening device. W. H. Budd. 2,616,643, Nov. 4.
Fastening device. W. L. Bush and J. G. Veatch. 2,616,642, Nov. 4.
Fastening device. E. T. Churchman. 2,615,362, Oct. 28.
Fastening device. G. H. Erb. 2,588,372, Mar. 11.
Fastening device. J. Hajdu. 2,590,175, Mar. 25.
Fastening device. R. A. Hartman and L. H. Flora. 2,581,481, Jan. 8.
Fastening device. H. C. Holden. 2,616,135, Nov. 4.
Fastening device. N. O. Holmsten. 2,613,970, Oct. 14.
Fastening device. J. H. Jensen and D. J. Rust. 2,587,853, Mar. 4.
Fastening device. G. H. Kress and A. W. Kapfer. 2,605,871, Aug. 5.
Fastening device. D. Mackey and A. G. Lassery. 2,610,012, Sept. 9.
Fastening device. E. T. Morton and C. L. Geever. 2,581,692, Jan. 8.
Fastening device. R. Niva. 2,615,743, Oct. 28.
Fastening device. C. H. Pfaffko. 2,584,224, Feb. 5.
Fastening device. S. J. Podvinecs and W. J. Papa. 2,620,705, Dec. 9.
Fastening device. O. J. Poupitch. 2,596,596, May 13.
Fastening device. O. J. Poupitch. 2,612,245, Sept. 30.
Fastening device. J. Strange. 2,616,733, Nov. 4.
Fastening device. G. A. Tinnerman. 2,602,209, July 8.
Fastening device. G. A. Tinnerman. 2,605,806, Aug. 5.
Fastening device, Adjustable. N. Statham. 2,580,477, Jan. 1.
Fastening device and making same. H. G. Muenchinger. 2,588,404, Mar. 11.
Fastening device for brake linings. J. M. and J. J. Buccino. 2,590,749, Mar. 25.
Fastening device for garments, shoes, tents, and the like. H. Wende. 2,606,352, Aug. 12.
Fastening device for straps and the like. A. T. Jespersen. 2,595,264, May 6.
Fastening for containers, cases, bags, and the like. C. W. Cheney. 2,599,372, June 3.
Fastening inserting machine. C. D. Knowlton. 2,584,273, Feb. 5.
Fastening means. A. B. Hammitt and H. L. Birum, Jr. 2,611,459, Sept. 23.
Fastening means. L. Newman. 2,601,803, July 1.
Fastening means for nether garments, Adjustable. F. B. Sheldon. 2,621,335, Dec. 16.
Fastening means for roofing and siding material. A. B. Hammitt and H. L. Birum, Jr. 2,611,458, Sept. 23.
Fastening means for sheet material. A. B. Hammitt and H. L. Birum, Jr. 2,604,194, July 22.
Fastening means for structural sandwiches. R. Kreimendahl. 2,585,557, Feb. 12.
Fastening means for tail gates and the like. T. H. Ware. 2,621,064, Dec. 9.
Fastening means for telescoping tubular members. C. J. Oliver and J. Kupski. 2,584,283, Feb. 5.
Fastening means for the ends of spring members used in furniture and the like. A. M. Bank. 2,593,831, Apr. 22.
Fastening member for perforated sheet material members. J. E. Bales. 2,601,201, June 17.
Fat composition for infants' food. F. W. Bernhart and J. B. Hassinen. 2,611,706, Sept. 23.
Fat emulsion and manufacture. D. D. Peebles and M. D. Girvin. 2,622,984, Dec. 23.
Fat saver. P. Jepson. 2,583,335, Jan. 22.
Fatty acid-alkoxypolyglycol aliphatic amine combinations useful as textile surface agents. A. A. Cook and I. Sapers. 2,593,413, Apr. 22.
Fatty acid polyglycol-aliphatic amine combinations useful as textile softeners and producing the same. A. A. Cook and I. Sapers. 2,596,985, May 20.
Fatty acids, Manufacture of. F. E. Lacey and W. M. Leaders. 2,602,808, July 8.
Fatty acrylate-styrene copolymers. S. A. Harrison. 2,593,444, Apr. 22.
Fatty alcohols, Production of. E. C. Kunz and A. T. Fiore. 2,590,105, Mar. 25.
Fatty compounds, Preparing. A. I. Gebhart and J. Ross. 2,585,129, Feb. 12.
Fatty ester-amide sulfonates. R. A. Henry. 2,604,481, July 22.
Fatigue testing machine. B. J. Lazan. 2,591,444, Apr. 1.
Faucet. O. Clonts. 2,598,224, May 27.
Faucet. E. Faucheux. 2,610,063, Sept. 9.
Faucet. G. E. Franck and J. H. Zales. 2,595,350, May 6.
Faucet. S. M. Kass. 2,595,856, May 6.
Faucet. E. W. Lowe and E. M. Reedy. 2,596,419, May 13.
Faucet. A. C. Mack. 2,607,598, Aug. 19.
Faucet. A. M. Moen. 2,609,205, Sept. 2.
Faucet. E. J. Wagner. 2,622,839, Dec. 23.
Faucet attached laundry spray. F. Thomas. 2,584,943, Feb. 5.
Faucet, Automatic. H. W. Beall. 2,610,019, Sept. 9.
Faucet construction. G. Hinderer. 2,608,378, Aug. 26.
Faucet construction. C. W. Schulze. 2,596,795, May 13.
Faucet drill and faucet seat reamer. W. J. Lachmund. 2,606,463, Aug. 12.
Faucet handle connection. C. S. Krucki. 2,587,862, Mar. 4.
Faucet, Mixing. J. L. Hudson. 2,585,247, Feb. 12.
Faucet, Mixing. A. M. Moen. 2,609,206, Sept. 2.
Faucet, Mixing. R. W. Woodruff. 2,616,710, Nov. 2.
Fauset spout. H. Bruewer. 2,585,997, Feb. 19.
Faucet spout connector. L. and H. Osrow. 2,584,044, Jan. 29.
Faucet, Water. O. Schopp. 2,610,650, Sept. 16.
Faucet with single handle, Hot and cold water mixing. C. W. Banberger. 2,596,464, May 13.

Fault responsive indicating control apparatus preferably for textile machinery. F. T. Bailey. 2,611,017, Sept. 16.
Fault signaling system. W. H. T. Holden. 2,623,108, Dec. 23.
Fault signaling system for amplifier circuits. F. Job. 2,605,333, July 29.
Featheredge. E. A. Whalen. 2,608,852, Sept. 2.
Feather plucking apparatus. F. Fisher. 2,587,453, Feb. 26.
Feather plucking apparatus for poultry. G. W. Johnson. 2,607,072, Aug. 19.
Feed and transfer mechanism for book-trimming machines. C. L. Moyer. 2,590,195, Mar. 25.
Feed and rammer arrangement at automatic firearms. V. Hammar and G. Dahlbäck. 2,594,770, Apr. 29.
Feedback amplifier circuit. H. A. Broos. 2,591,915, Apr. 8.
Feed clutch for cold headers. J. H. Friedman. 2,613,776, Oct. 14.
Feed composition, Making a. J. V. Rice. 2,607,687, Aug. 19.
Feed control for automatic weighers. E. J. Vagim. 2,592,083, Apr. 8
Feed control for counting machines. A. R. Buchholz and W. A. Barganz. 2,581,074, Jan. 1.
Feed control for hammer mills. T. M. Moore. 2,609,153, Sept. 2.
Feed control mechanism for lathes. K. C. Johnson. 2,610,535, Sept. 16.
Feed device for fruit peelers. A. A. Boswell. 2,605,798, Aug. 5.
Feed for cable tool drill, Automatic. J. H. Meier. 2,587,638, Mar. 4.
Feed for drawbenches or the like. L. Holmes and V. F. Harris. 2,605,889, Aug. 5.
Feed for hay balers, Wire. M. Ronning and K. M. Keith. 2,604,845, July 29.
Feed for power presses. G. I. Danly and V. Georgeff. 2,618,840, Nov. 25.
Feed grinding and die expressing machine. A. B. Schreiber. 2,583,600, Jan. 29.
Feed hopper and feed mechanism. J. A. Kaserman. 2,584,406, Feb. 5.
Feed mechanism. E. Martin. 2,582,709, Jan. 15.
Feed mechanism and control system for bar feeds for screw machines. B. C. Harney. 2,595,522, May 6.
Feed mechanism for firearms. C. E. Brush. 2,601,735, July 1.
Feed mechanism for flexible sheets such as envelopes. J. R. Lauffer. 2,621,928, Dec. 16.
Feed mechanism for pressure cookers. A. R. Thompson. 2,609,079, Sept. 2.
Feed mechanism for tabulating cards. W. Wockenfuss. 2,606,762, Aug. 12.
Feed plate for gyratory crushers. O. C. Gruender. 2,621,860, Dec. 16.
Feed preparation device. J. O. Allstott. 2,592,231, Apr. 8.
Feed regulator for paper machinery. S. A. Staege. 2,598,852, June 3.
Feed roll for woodworking machines, Weighted. O. P. Smith. 2,613,706, Oct. 14.
Feed roller. C. Johnston. 2,588,121, Mar. 4.
Feed roller for packaging machines. L. L. and C. M. Salfisberg. 2,608,405, Aug. 26.
Feed rolls for log peeling or rossing machines, Angularly adjustable. R. J. Carpenter. 2,601,261, June 24.
Feed saving attachment. W. O. Cumming. 2,592,012, Apr. 8.
Feed screw releasing means. L. R. Gray and H. P. Smith, Jr. 2,612,057, Sept. 30.
Feed shield for milker stalls, Movable. F. G. Hodsdon. 2,587,846, Mar. 4.
Feed spreader. W. Burkart. 2,602,670, July 8.
Feed supplement. H. R. Stiles. 2,603,567, July 15.
Feed table for rolled sheet stock, Adjustable. B. E. Rockhoff. 2,592,469, Apr. 8.
Feeder: *See*—
- Adjustable apron feeder.
- Animal feeder.
- Automatic flock feeder.
- Automatic poultry feeder.
- Bar feeder.
- Bee feeder.
- Bird feeder.
- Bromine water feeder.
- Chemical solution feeder.
- Chicken and hog feeder.
- Continuous feeder.
- Filter aid feeder.
- Glass feeder.
- Lathe stock feeder.
- Live stock feeder.
- Mechanical chicken feeder.
- Moated dog feeder.
- Oscillating feeder.
- Pin feeder.
- Poultry feeder.
- Premature infant feeder.
- Rotary feeder.
- Self-clearing star feeder.
- Sheet feeder.
- Slow speed glass feeder.
- Volumetric feeder.
- Weigh feeder.

Feeder. E. Martin. 2,604,216, July 22.
Feeder. E. Martin. 2,604,218, July 22.
Feeder. E. C. Reynolds. 2,582,505, Jan. 15.
Feeder and impression cylinder control for printing presses. J. F. Banthin. 2,592,998, Apr. 15.
Feeder and waterer, Combined poultry. M. L. Lambeth. 2,583,218, Jan. 22.
Feeder and waterer, Poultry. J. Ludi. 2,588,737, Mar. 11.
Feeder apparatus for spreader stokers. H. G. Meissner and G. P. Jackson. 2,581,037, Jan. 1.
Feeder booster. M. R. Floyd. 2,603,144, July 15.
Feeder control for hydraulic pumps. M. W. Huber. 2,590,622, Mar. 25.
Feeder for envelope stuffing machines. A. Van Veen. 2,590,222, Mar. 25.
Feeder for fowl. C. M. Morton. 2,585,400, Feb. 12.
Feeder for hay baling machines. F. Bolton, Sr. 2,593,721, Apr. 22.
Feeder for livestock or poultry. H. A. Andrew. 2,592,638, Apr. 15.
Feeder for oscillating conveyers. A. Musachoot and H. W. Regensburger. 2,588,030, Mar. 4.
Feeder for short articles. C. C. W. Williams. 2,615,184, Oct. 28.
Feeder for solid materials. H. F. Hill. 2,590,968, Apr. 1.
Feeder for whole citrus fruit. W. A. Pipkin and H. L. Smith. 2,622,733, Dec. 23.
Feeder means for hay balers. L. A. Paradise and J. H. Berry. 2,608,929, Sept. 2.
Feeder structure. C. H. Otto. 2,608,179, Aug. 26.
Feeding and cutting means for forming fasteners. A. and R. Adler. 2,593,715, Apr. 22.
Feeding and refuse separating apparatus for cotton ginning mechanism. W. G. Doss. 2,585,301, Feb. 12.
Feeding and stacking means for address printing plates. H. Hennink. 2,594,166, Apr. 22.
Feeding apparatus. R. S. Hood. 2,604,246, July 22.
Feeding apparatus. H. F. Suthers. 2,601,570, June 24.
Feeding apparatus for plastic extruders. W. T. Eppler. 2,604,659, July 29.
Feeding apparatus for straightening machines. D. J. Perdue and C. B. Richards. 2,613,801, Oct. 14.
Feeding apparatus, including injectors adapted to supply combustion liquids under pressure to a combustion chamber. R. H. Goddard. 2,612,752, Oct. 7.
Feeding appliance. B. Hill. 2,608,072, Aug. 26.
Feeding comminuted board-forming material for pressing, Method and apparatus for. W. J. Fischbein. 2,623,239, Dec. 30.
Feeding device. L. A. Maxson. 2,581,805, Jan. 8.
Feeding device. E. Travis. 2,618,238, Nov. 18.
Feeding device for box-part assembling machines. C. A. Burkholder. 2,589,600, Mar. 18.
Feeding device for ensilage cutters. A. Dion. 2,587,122, Feb. 26.
Feeding device for pliable sheet material. R. E. J. Nordquist. 2,593,480, Apr. 22.
Feeding device for rivets or similar articles. M. S. Springate. 2,595,551, May 6.
Feeding device for sheet material. E. C. Sauerman. 2,615,390, Oct. 28.
Feeding device for sewing machines. C. R. Nelson. 2,586,764, Feb. 19.
Feeding device for wood grinders. E. A. Worm, Jr., and A. G. Raymond. 2,588,448, Mar. 11.
Feeding device, Infant's. S. Baracate. 2,594,114, Apr. 22.
Feeding doll with biting action C. A. Philippi. 2,586,081, Feb. 19.
Feeding filter aid. L. S. Farrell. 2,621,156, Dec. 9.
Feeding means for tube and other long workpieces. A. W. Payne. 2,603,343, July 15.
Feeding means for variable width edge jointers. M. Pasquier. 2,595,879, May 6.
Feeding mechanism. H. E. Dickerman. 2,621,041, Dec. 9.
Feeding mechanism for automatic guns. R. S. Sanford. 2,590,214, Mar. 25.
Feeding mechanism for folding machines. A. F. Shields. 2,583,713, Jan. 29.
Feeding mechanism for nailing machines. V. Chmelař. 2,611,896, Sept. 30.
Feeding mechanism for rock drills. J. A. Larcén and S. L. Ytterfors. 2,617,388, Nov. 11.
Feeding mechanism for woodworking machines. G. M. Gustin. 2,623,559, Dec. 30.
Feeding mechanism with gripping device. L. N. Brager and F. F. Borkmann. 2,609,946, Sept. 9.
Feeding of collapsed cartons and the like. A. G. Rose and J. Page. 2,611,299, Sept. 23.
Feeding of internal-combustion engines. M. C. Carbonaro. 2,589,536, Mar. 18.
Feeding of powder and like fluent materials in equal quantities. A. G. Rose, J. A. Kay, and J. Page. 2,616,652, Nov. 4.
Feeding of tapered articles. J. Klopak. 2,590,710, Mar. 25.
Feeding, positioning, and orienting mechanism. M. J. Kofold. 2,609,942, Sept. 9.
Feeding, printing, and stacking means in address printers. W. T. Gollwitzer and D. B. Brewster. 2,619,898, Dec. 2.
Feeding set, Infant's. C. S. La Tour. 2,596,255, May 13.
Feeding subdivided solids. H. J. Ogorzaly and W. A. Rex. 2,613,832, Oct. 14.
Feeding trough attachment. E. H. Whittington. 2,619,313, Nov. 25.
Feeding trough for hogs and the like. L. M. Kounkel. 2,599,844, June 10.
Feeler mechanism for looms. G. M. Lane. 2,595,958, May 6.
Felt hardening machine. H. P. Boeddinghaus, B. Freyer, and G. J. Sanford. 2,616,154, Nov. 4.
Felt hardening machine. B. Freyer and G. J. Sanford. 2,616,153, Nov. 4.

Felt hardening machine. R. I. Robbins and B. Freyer. 2,616,152, Nov. 4.
Felt punching machine. A. L. Clements. 2,601,432, June 24.
Felting machine. J. W. Young. 2,590,142, Mar. 25.
Female urinal. F. E. Siegenthal. 2,582,398, Jan. 15.
Fence. W. M. Martensen. 2,600,666, June 17.
Fence. P. W. Ruopp. 2,603,456, July 15.
Fence construction, Metallic. L. L. Rochester. 2,607,563, Aug. 19.
Fence for jointers. W. B. Boice. 2,592,384, Apr. 8.
Fence, Portable. J. J. Zimel. 2,599,967, June 10.
Fence post mold. E. B. Miller. 2,618,037, Nov. 18.
Fence post settling and pulling rig. J. W. Jordan. 2,613,912, Oct. 14.
Fence stapling tool. H. W. Hill. 2,622,634, Dec. 23.
Fence structure. J. L. Morris. 2,588,147, Mar. 4.
Fence supporting bracket. W. A. Hart. 2,608,386, Aug. 26.
Fencing structure. J. Campbell. 2,622,848, Dec. 23.
Fender and fender shield assembly. D. C. Ludwig and G. W. Schatzman. 2,611,629, Sept. 23.
Fender and fender shield assembly. G. W. Schatzman. 2,606,773, Aug. 12.
Fender and fender shield assembly and attaching means therefor. G. W. Schatzman. 2,621,944, Dec. 16.
Fender and fender shield construction. G. W. Schatzman. 2,616,721, Nov. 4.
Fender guard. A. M. Persons. 2,594,491, Apr. 29.
Fender mounted directed-beam automobile head lamp. W. J. Patton. 2,587,374, Feb. 26.
Fender shield. A. J. Hammond. 2,620,204, Dec. 2.
Fender shield. G. W. Schatzman. 2,611,628, Sept. 23.
Fender shield attaching means. G. W. Schatzman. 2,603,511–12, July 15.
Fender shield attaching means. G. W. Schatzman. 2,603,514, July 15.
Fender shield construction. G. W. Schatzman. 2,603,510, July 15.
Fender shield latching device. G. W. Schatzman. 2,613,092, Oct. 7.
Fender shield latching mechanism. G. W. Schatzman. 2,608,427, Aug. 26.
Fender shield mounting. G. W. Schatzman. 2,610,866, Sept. 16.
Fender welt. G. G. Barr. 2,616,724, Nov. 4.
Fenders, Making. D. J. Dunlop. 2,606,517, Aug. 12.
Fermentation process. J. W. Foster and L. E. McDaniel. 2,584,009, Jan. 29.
Fermentation process. Herman and Henry Knaust. 2,592,711, Apr. 15.
Fermentation process for producing grisein. D. Hendlin. 2,596,969, May 20.
Ferric dimethyl dithiocarbamate and bismuth salt of 5-chloro-2-mercaptobenzothiazole fungicidal composition. A. A. Somerville. 2,614,960, Oct. 21.
Ferric salt of mercaptobenzothiazole and zinc dimethyl dithiocarbamate fungicidal composition. A. A. Somerville. 2,614,959, Oct. 21.
Ferro-calcium-citrate, Manufacture of. A. C. J. Opfermann. 2,621,201, Dec. 9 —
Ferrochrome-silicon-aluminum alloy. J. H. Brennan. 2,608,482, Aug. 26.
Fertilizer agitator and aerator. D. Sherman. 2,580,854, Jan. 1.
Fertilizer and seed broadcasting apparatus. D. E. Jones. 2,600,167, June 10.
Fertilizer and seed distributor. M. E., R. E., and W. Dow. 2,621,935, Dec. 16.
Fertilizer beater and spreader. E. V. Barker. 2,597,052, May 20.
Fertilizer dissolving and spraying device. F. L. Gatchet. 2,601,672, June 24.
Fertilizer distributor. J. Blue. 2,615,596, Oct. 28.
Fertilizer distributor. L. J. Bonacor. 2,606,068, Aug. 5.
Fertilizer distributor. G. W. Giles and R. E. Wicker. 2,619,260, Nov. 25.
Fertilizer distributor. W. H. Givenrod. 2,602,669, July 8.
Fertilizer distributor. W. A. Hyland and R. R. Borngraeber. 2,614,850, Oct. 21.
Fertilizer distributor. F. Long. 2,604,234, July 22.
Fertilizer distributor. J. P. McMillan. 2,599,118, June 3.
Fertilizer distributor. G. W. Wood. 2,609,127, Sept. 2.
Fertilizer distributor, Ground wheel operated. J. J. Huitema. 2,605,935, Aug. 5.
Fertilizer manufacture. C. H. Davenport. 2,618,546, Nov. 18.
Fertilizer manufacture. W. A. Lutz. 2,600,253, June 10.
Fertilizer, Organic. M. A. Ellingson. 2,587,125, Feb. 26.
Fertilizer separator for barns and like structures. J. Volmer. 2,591,643, Apr. 1.
Fertilizer spreader. L. A. Bergstrom. 2,609,124, Sept. 2.
Fertilizer spreader. J. S. Kaller. 2,623,751, Dec. 30.
Fertilizer spreader hood. S. D. Ulrich. 2,586,492, Feb. 19.
Fertilizers. K. H. Hennenberger. 2,609,287, Sept. 2.
Fertilizers, Vegetable. C. J. Dew. 2,600,218, June 10.
Fery-prism monochromator. W. C. Miller. 2,594,334, Apr. 29.
Festoon holder. W. C. Kenney. 2,588,246, Mar. 4.
Festooning device. J. H. Kyle, J. Q. Adams, and W. C. Brunner. 2,620,183, Dec. 2.
Festooning device. E. I. Leed. 2,596,157, May 13.
Fiber beater for the liberation of cellulose fibers. A. M. Spencer, A. Jacobson, and K. Sixt. 2,592,481, Apr. 8.
Fiberboard construction. G. E. Babcock, V. L. Johnsen, and A. K. Smith. 2,580,391, Jan. 1.
Fiber conditioning machine. R. E. Getchell. 2,589,797–8, Mar. 18.
Fiber container with improved tearing strip. G. E. Eckman. 2,608,341, Aug. 26.
Fiber doffing device. R. A. Rusca and R. C. Young. 2,607,958, Aug. 26.
Fiber-forming apparatus. A. Cresswell and I. Wizon. 2,614,289, Oct. 21.
Fiber forming composition containing polymerized acrylonitrile. A. B. Craig and E. W. Gluesenkamp. 2,603,621, July 15.
Fiber-forming copolymers of 1,3-butadienes with dialkyl methylenemalonates. K. W. Doak and K. E. Wilzbach. 2,610,963, Sept. 16.
Fiber forming solutions. A. B. Craig. 2,613,194, Oct. 7.
Fiber gasket material, Manufacture of. J. W. Baymiller. 2,588,340, Mar. 11.
Fiber products, Making. G. A. Gerard. 2,584,693, Feb. 5.
Fiber spinning composition comprising solutions of vinylidene chloride polymers in tris (N,N-dimethylamino) phosphene oxide. G. E. Ham. 2,587,464, Feb. 26.
Fiber spinning method and apparatus. D. E. O'Connor. 2,612,654, Oct. 7.
Fiber spinning solutions. A. B. Craig. 2,613,195, Oct. 7.
Fiberizing lignocellulose steamed under pressure and apparatus. R. D. Kehoe, A. Surino, and R. G. Goodwin. 2,616,802, Nov. 4.
Fibrous filter media, Production of. W. I. Taylor and J. W. Grebby. 2,620,283, Dec. 2.
Fibrous strip having absorbing sections alternating with nonabsorbing sections, and apparatus and method of producing same. H. C. Riordan. 2,601,633, June 24.
Fibrous synthetic material of improved whiteness or color. D. J. Fry and J. D. Kendall. 2,620,282, Dec. 2.
Fid hook with safety latch. R. Gray. 2,605,529, Aug. 5.
Field check forming machine. C. F. and M. L. Rhyno. 2,605,562, Aug. 5.
Field compressor. F. S. Young. 2,615,615, Oct. 28.
Field control of electromagnetic couplings. R. L. Jaeschke. 2,615,945, Oct. 28.
Field mapping machine. K. O. Straney. 2,612,627, Sept. 30.
Field microscope, Polarizing and optically staining dark. K. A. Fischer. 2,594,756, Apr. 29.
Fifth wheel. F. H. Kayler. 2,621,056, Dec. 9.
Fifth wheel handle. E. J. Greenawalt. 2,581,254, Jan. 1.
Fifth wheel locking means. R. A. Braunberger. 2,610,862, Sept. 16.
Fifth wheel locking mechanism. M. B. Johnson. 2,612,381, Sept. 30.
Fifth wheel side release locking mechanism. H. Ketel. 2,610,069, Sept. 9.
Fifth wheel stabilizing device. C. M. Harris. 2,602,674, July 8.
Filament crusher and circuit breaker for safety hand lamps, Combination. E. J. Garland. 2,613,314, Oct. 7.
Filament failure device. L. L. Helterline, Jr., M. Best, Jr., and A. Bunblasky. 2,621,322, Dec. 9.
Filament forming apparatus. W. C. Huebner. 2,586,046, Feb. 19.
Filament heating transformer having a variable output voltage. G. L. Usselman. 2,598,321, May 27.
Filament mounting for high power electron discharge devices. E. G. Shower. 2,602,907, July 8.
Filament package and producing same. G. Shaw. 2,581,561, Jan. 8.
Filament storing and advancing reel. H. A. Kuljian. 2,603,853, July 22.
Filament storing and advancing reel. H. A. Kuljian. 2,609,587, Sept. 9.
Filament support. D. C. Pulliam. 2,599,411, June 3.
Filament temperature compensating device. W. H. Kohl. 2,599,395, June 3.
Filament transfer and mounting apparatus for lamp stems. H. B. Maloney. 2,597,354, May 20.
Filamentary articles, Manufacture of. A. O. Ryan. 2,581,559, Jan. 8.
Filamentary material, Preparation of. F. M. Culpepper and L. W. Latta. 2,605,502, Aug. 5.
Filamentary product and preparing same. G. E. Rumscheidt and J. M. Goppel. 2,622,962, Dec. 23.
Filaments containing fillers. R. K. Kadisch. 2,612,679, Oct. 7.
Filaments from acrylonitrile-2-methallyl alcohol polymer, Production of. J. R. Caldwell. 2,591,670, Apr. 8.
Filaments, Producing. W. L. J. de Nie and G. E. Rumscheidt. 2,593,397, Apr. 22.
Filaments, threads or the like from liquid material, Manufacture of. A. O. Ryan. 2,619,677, Dec. 2.
File body. J. Kern. 2,622,311, Dec. 23.
File compressor member. H. Bader. 2,605,526, Aug. 5.
File, fingernail clipper, and pocket clip, Combination fingernail. R. J. Franklin. 2,615,242, Oct. 28.
File holder for saw filing machines. C. C. Bornholdt. 2,587,102, Feb. 26.
File, Rotary horizontal. E. N. Yzetta. 2,599,802, June 10.
File support. V. Drengberg. 2,586,925, Feb. 26.

Filer, Saw. A. P. Shebel. 2,601,227, June 24.
Filing aid. E. A. Dahlgren. 2,615,576, Oct. 28.
Filing and joining gauge for saw chains. A. F. Stone, E. A. Hayden, and H. W. Parker. 2,594,821, Apr. 29.
Filing apparatus. R. B. Holt. 2,589,383, Mar. 18.
Filing appliance. J. H. Talmage and R. W. Finley. 2,581,730, Jan. 8.
Filing cabinet. O. E. Nabholz. 2,590,341, Mar. 25.
Filing cabinet. E. C. Reinheimer and E. R. Davis. 2,617,055, Nov. 4.
Filing cabinet construction, Insulated. H. C. Behrens. 2,613,623, Oct. 14.
Filing case and sequential extractor means for photo slides, cards, and the like. W. L. Kramer. 2,620,249, Dec. 2.
Filing gauge. J. B. Cox. 2,622,338, Dec. 23.
Filing machine. J. Rock, Jr. 2,601,717, July 1.
Filing machine, Portable. S. T. Romeo. 2,602,216, July 8.
Filing, milling, and grinding machines, Portable. K. Patzak. 2,612,784, Oct. 7.
Filing tool. E. Luchsinger. 2,622,310, Dec. 23.
Filled can handling apparatus. J. Simpson. 2,621,841, Dec. 16.
Filled cooky cutter. W. L. Lewis. 2,620,755, Dec. 9.
Fillercap and adapter for liquid containers. H. Noyes. Re. 23,611, Dec. 30.
Filler cap assembly. W. B. Condit and D. L. Getz. 2,616,585, Nov. 4.
Filler cap assembly. L. E. Rausenberger. 2,616,583, Nov. 4.
Filler cap assembly. L. E. Rausenberger and D. L. Getz. 2,616,584, Nov. 4.
Filler cap for gasoline tanks. O. H. Griswold. 2,611,503, Sept. 23.
Filler feed for cigar machines. S. Clausen. 2,619,090, Nov. 25.
Filler machine. R. M. Lehman. 2,620,767, Dec. 9.
Filler neck and air vent unit for water tanks. P. E. Van Pelt. 2,613,013, Oct. 7.
Filler opening for containers. E. H. Benson. 2,612,285, Sept. 30.
Filler pad for ground working tools. W. T. Graham. 2,595,353, May 6.
Filler valve. G. L. N. Meyer. 2,621,845, Dec. 16.
Filling and capping equipment. L. M. Cooper. 2,599,319, June 3.
Filling and packing containers, Method of and apparatus for. F. B. Fishburne, C. H. Hinnant, Jr., and T. A. Ricks. 2,596,018, May 6.
Filling and weighing device, Automatic. R. B. Brown. 2,605,075, July 29.
Filling and weighing device for bins. C. W. Scott. 2,596,824, May 13.
Filling apparatus. A. J. Dowling and E. Urbanski. 2,596,135, May 13.
Filling apparatus for containers. W. Tuttle and N. O. Loven. 2,608,373, Aug. 26.
Filling backed water resistant, air permeable textile weave. L. Love. 2,621,684, Dec. 16.
Filling body for gas-liquid contact towers. E. Berl. 2,591,497, Apr. 1.
Filling-body for surgical use. J. H. Bing. 2,609,545, Sept. 9.
Filling containers, Method and apparatus for. R. S. Hood. 2,595,262, May 6.
Filling detecting device for looms. J. H. Chapman. 2,598,353, May 27.
Filling device for electric storage batteries. J. Rule. 2,592,748, Apr. 15.
Filling device for grease guns. S. W. Graham. 2,620,114, Dec. 2.
Filling fitting. L. K. Wells and S. X. Willard. 2,593,712, Apr. 22.
Filling for the fuel compartments of lighters. A. F. Reilly. 2,580,463, Jan. 1.
Filling machine. B. S. Harrington. 2,620,960, Dec. 9.
Filling machine. A. T. Phillips. 2,606,693, Aug. 12.
Filling machine. R. J. Stewart and F. S. Bell. 2,591,739, Apr. 8.
Filling machine control mechanism. P. E. Fischer and M. B. Sturdevant. 2,603,398, July 15.
Filling machine for liquid containers. H. G. Mojonnier. 2,617,575, Nov. 11.
Filling machine with constant drawback. F. J. Cozzoli. 2,605,036, July 29.
Filling machine with controlled drawback. F. J. Cozzoli. 2,605,025, July 29.
Filling machine with rotary valve. L. McGihon. 2,601,542, June 24.
Filling mechanism for automatic weighing machinery. W. E. Smith. 2,581,562, Jan. 8.
Filling pressuretight containers with a liquid product and a volatile propellant. I. Reich. 2,613,023, Oct. 7.
Filling replenishing mechanism for automatic filling replenishing looms. E. L. Roullard. 2,597,599, May 20.
Filling spout. H. C. and R. J. Bentley. 2,598,670, June 3.
Fillet and cylinder gauge, caliper, protractor, and compass, Combined. H. T. Jones. 2,603,872, July 22.
Film advance mechanism for projectors. R. H. Larson and M. C. Supitilov. 2,607,262, Aug. 19.
Film advancing means for cameras, including film pawls or curtain shutters. C. H. Jacobson. 2,584,964, Feb. 5.
Film advancing mechanism in slide film projectors. C. H. and C. D. Dunning. 2,587,123, Feb. 26.
Film applicator for liquid or viscous material. T. C. Patton. 2,603,809, July 22.
Film casting surfaces, Preparation of. L. Eckler and W. P. Moeller. 2,622,278, Dec. 23.
Film cleaning device. L. Frankel. 2,623,225, Dec. 30.
Film clip. R. J. Eyre. 2,600,980, June 17.
Film developing apparatus. A. N. Brown. 2,588,696, Mar. 11.
Film developing rack. J. Stoiber. 2,592,354, Apr. 8.
Film developing reel. F. E. Bartholy. 2,619,300, Nov. 25.
Film developing reel. F. M. Siedenburg. 2,595,898, May 6.
Film-developing tank. R. G. Miller, Jr. 2,606,485, Aug. 12.
Film gate for film handling apparatus. J. W. Spalding. 2,621,558, Dec. 16.
Film gate for motion-picture projectors. R. F. A. d'Avitaya. 2,598,364, May 27.
Film gate for projection apparatus. R. M. Gile. 2,614,455, Oct. 21.
Film handling apparatus for projection devices. D. I. Critoph. 2,591,139, Apr. 1.
Film hanger. H. L. Fitch. 2,611,300, Sept. 23.
Film holder. W. J. Carroll. 2,587,109, Feb. 26.
Film holder. E. J. Lewis. 2,613,040, Oct. 7.
Film holder. P. D. Merrill. 2,603,017, July 15.
Film holder. H. S. Wolf. 2,613,580, Oct. 14.
Film holder for cameras, Magnetic. V. H. Fraenckel. 2,604,831, July 29.
Film identifying device. R. Rothweiler. 2,615,366, Oct. 28.
Film leader. J. W. Smith. 2,602,974, July 15.
Film loading guide. J. L. Brearton. 2,608,357, Aug. 26.
Film magazine. O. D. Melkon. 2,616,634, Nov. 4.
Film metering mechanism. D. C. Harvey. 2,621,866, Dec. 16.
Film opaquing device and process. J. F. Gantt. 2,605,162, July 29.
Film or plate holder for cameras. S. E. Helberg. 2,598,911, June 3.
Film packet for use with dental X-ray machines. I. Shapiro. 2,614,225, Oct. 14.
Film, Photographic roll. L. Caim. 2,590,678, Mar. 25.
Film pressure shoe and aperture plate assembly for motion-picture projecting apparatus. E. W. D'Arcy. 2,617,327, Nov. 11.
Film printing machine. J. H. Coote and A. P. Jenkins. 2,596,373, May 13.
Film processing hanger. D. A. Gilkerson. 2,617,339, Nov. 11.
Film processing machine. B. E. Luboshes. 2,621,572, Dec. 16.
Film-processing tank. R. D. Chambers. 2,603,135, July 15.
Film processor drying control. J. W. Gillon. 2,587,138, Feb. 26.
Film projector for television. R. V. Anderson. 2,612,554, Sept. 30.
Film projector housing construction. D. I. Critoph, J. F. Herrmann, and F. H. Wolford. 2,614,458, Oct. 21.
Film pulldown method. E. W. Kellogg and W. R. Isom. 2,612,075, Sept. 30.
Film rack. C. S. Hurlbut, Jr. 2,590,705, Mar. 25.
Film record cards, Making. J. F. Langan. 2,587,022, Feb. 26.
Film reel drive. A. C. Albee. 2,611,284, Sept. 23.
Film reeling apparatus. B. and S. Rose. 2,595,545, May 6.
Film reeling assembly. R. C. Bradley. 2,609,158, Sept. 2.
Film registering and mounting device. D. A. Decker. 2,591,519, Apr. 1.
Film registering and printing apparatus. J. M. Andreas. 2,586,286, Feb. 19.
Film rewind, Automatic. F. L. Waggoner. 2,583,675, Jan. 29.
Film rewinding apparatus. P. F. Glenn. 2,590,005, Mar. 18.
Film rewinding apparatus. P. F. Glenn. 2,590,005, Mar. 18.
Film shrinkage compensatory driving sprocket. K. J. Magnusson. 2,601,790, July 1.
Film speed control for aerial cameras. A. Raspet. 2,590,517, June 3.
Film splicer. B. Aboltin. 2,611,723, Sept. 23.
Film splicer. S. L. Wittenberg. 2,611,724, Sept. 23.
Film splicing apparatus. A. V. Jirouch. 2,621,706, Dec. 16.
Filmstrip transporting mechanism. F. J. Perillo and D. Pollan. 2,595,978, May 6.
Film stripper-stop for extrusion-loading apparatus. W. H. Horton and P. J. Ernisse. 2,614,763, Oct. 21.
Film supply and take-up apparatus. J. L. Pettus. 2,597,176, May 20.
Film to television translator. F. N. Gillette. 2,584,265, Feb. 5.
Film toner apparatus. W. E. Jackson. 2,619,015, Nov. 25.
Film transfer machine. J. H. McMahon. 2,617,338, Nov. 11.
Film transport means for motion-picture projectors. M. R. Hutchison, Jr. 2,592,285, Apr. 8.
Film transporting mechanism for automatic photographic apparatus. P. S. Allen. 2,623,650, Dec. 30.

Film treating tank with hydraulically driven film spools. J. W. Smith. 2,586,444, Feb. 19.
Film trimming machine. W. Vestorsky. 2,601,898, July 1.
Film viewer. F. T. Coffey, Sr. 2,588,803, Mar. 11.
Film winding control for cameras. C. E. Smith. 2,588,054, Mar. 4.
Film winding mechanism, Automatically operated. W. E. Miller. 2,583,385, Jan. 22.
Filter: *See*—
Air filter.
Antenna filter.
Cathode-ray tube screen filter.
Center screw filter.
Continuous imbricated panel type filter.
Continuous rotary filter.
Crankcase ventilator filter.
Distortionless seismic wave filter.
Electric filter.
Electric wave filter.
Electrical filter.
Electrically controlled light filter.
Electromechanical filter.
Frustrated total reflection Gas filter.
High-capacity oil bath filter.
High-pressure filter.
Horizontal plate filter.
Interference filter.
Liquid filter.
Low pass filter.
Maximal flatness filter.
Mechanical filter.
Microwave filter.
Multichannel filter.
Multiple disk filter.
Multiple sheet expanded metal air filter.
Multiple unit self-cleaning dust filter.
Oil-bath intake-air filter.
Oil filter.
Plastic edge type filter.
Plate filter.
Polyethylene air filter.
Porous filter.
Pseudohybrid microwave filter.
Pulse width separation filter.
Recirculation filter.
Reflection interference filter.
Rotary drum vacuum filter.
Rubber hydrochloride air filter.
Selective wave filter.
Self-cleaning filter.
Stack-type oil bath filter.
Tray filter.
Tunable narrow band optical filter.
Two-stage filter.
Ultrahigh-frequency filter.
Unit type filter.
Water filter.
Filter. F. J. Armstrong. 2,592,527, Apr. 15.
Filter. E. W. Baily. 2,595,913, May 6.
Filter. R. A. Bailey. 2,592,849, Apr. 15.
Filter. R. A. Bailey. 2,622,737, Dec. 23.
Filter. T. E. Beacham. 2,598,210, May 27.
Filter. G. E. Burks and R. R. Robinson. 2,587,693, Mar. 4.
Filter. R. R. Curtis. 2,605,902, Aug. 5.
Filter. R. P. Dunmire. 2,596,384, May 13.
Filter. J. B. Dyer. 2,606,662, Aug. 12.
Filter. G. R. Ericson. 2,591,056, Apr. 1.
Filter. G. R. Ericson. 2,597,235, May 20.
Filter. E. A. Fallmezger. 2,592,528, Apr. 15.
Filter. C. Fuhrmeister, Jr. 2,588,976, Mar. 11.
Filter. C. F. Hasselwander. 2,606,628, Aug. 12.
Filter. M. B. Heftler. 2,601,521, June 24.
Filter. E. H. Manafield. 2,582,388, Jan. 15.
Filter. H. E. Marvel. 2,584,394, Feb. 5.
Filter. J. Mattel, Jr. 2,608,302, Aug. 26.
Filter. L. L. Moore. 2,613,814, Oct. 14.
Filter. S. Morel. 2,586,692, Feb. 19.
Filter. J. Muirhead. 2,598,818, June 3.
Filter. J. P. O'Meara. 2,583,963, Jan. 29.
Filter. C. L. Peterson, E. Kroff, and C. J. Peterson. 2,582,273, Jan. 15.
Filter. M. Ross. 2,609,933, Sept. 9.
Filter. A. A. Schuller. 2,605,903, Aug. 5.
Filter unit. J. B. Sebok. 2,582,915, Jan. 15.
Filter. F. W. Strassheim. 2,592,972, Apr. 15.
Filter. P. H. Wagner. 2,593,228, Apr. 15.
Filter. T. B. Walker. 2,593,707, Apr. 22.
Filter. B. Whitehouse. 2,593,639, Apr. 22.
Filter. R. D. Wiley. 2,595,740, May 6.
Filter. C. A. Winslow, W. G. Nostrand and L. L. Moore. 2,599,734, June 10.
Filter aerator for aquaria. T. H. Hansen. 2,614,529, Oct. 21.
Filter aid feeder. H. E. Marvel. 2,584,395, Feb. 5.
Filter and drip meter, Blood. W. F. Butler. 2,586,513, Feb. 19.
Filter and temperature control. S. O. Morrison. 2,581,125, Jan. 1.
Filter and vapor lock controller. W. J. Linn. 2,585,797, Feb. 12.
Filter apparatus. R. G. Zenick. 2,597,217, May 20.
Filter assembly. L. G. Alexander. 2,604,992, July 29.
Filter assembly, Fiber disk. J. Vocelka. 2,604,994, July 29.
Filter attachment for cameras, Color. J. Neller. 2,604,819, July 29.
Filter attachment for suction cleaners. N. W. La Briere. 2,594,458, Apr. 29.
Filter bag coupling. G. A. Brace. 2,594,285, Apr. 29.
Filter bed. J. F. Bolton. 2,588,475, Mar. 11.
Filter cartridges, Making. J. W. Wilkinson. 2,584,771, Feb. 5.
Filter construction. G. C. Huppertz. 2,594,650, Apr. 29.
Filter element. J. V. Bauer and R. H. Curtis. 2,599,604, June 10.
Filter element. J. E. Valente and K. R. Wink. 2,607,494, Aug. 19.
Filter for cooking fats. R. F. Hunter. 2,610,740, Sept. 16.
Filter for exhaust pipes of internal-combustion engines. R. B. Holt and C. H. Rountree. 2,620,893, Dec. 9.
Filter for fluid lines, Magnetic. J. L. Cooney. 2,603,353, July 15.
Filter for internal-combustion engines. C. Bellios. 2,588,474, Mar. 11.
Filter for radio receivers, High-frequency. J. M. Dyer. 2,586,926, Feb. 26.
Filter for removable cartridges. S. O. Morrison and J. G. Wehrwein. 2,605,901, Aug. 5.
Filter for seismic prospecting. J. P. Minton. 2,590,822, Mar. 25.
Filter housing. E. A. Creswick and T. F. Johnson. 2,582,311, Jan. 15.
Filter including automatic reconditioning device. E. H. Howland and R. G. Tessmer. 2,609,101, Sept. 2.
Filter mat for evaporative coolers. L. B. Summerhill. 2,604,311, July 22.
Filter material. S. H. Katz. 2,614,655, Oct. 21.
Filter mechanism. M. Lax. 2,601,156, June 17.
Filter media. W. P. Crawley. 2,615,477, Oct. 28.
Filter pack. C. T. Pamp, Jr. 2,582,272, Jan. 15.
Filter paper holder. J. V. Smithson. 2,589,156, Mar. 11.
Filter press plate. H. A. Teale. 2,594,518, Apr. 29.
Filter replacement mechanism for vacuum cleaners. E. P. Senné. 2,621,756, Dec. 16.
Filter shaker for suction cleaners. D. G. Smellie. 2,585,508, Feb. 12.
Filter sheet. D. C. Knowlton. 2,598,061, May 27.
Filter-tip cigarettes, Production of. H. Policansky. 2,604,099, July 22.
Filter tip feed mechanism for filter tip cigarette-making machines. F. R. Treble. 2,602,453, July 8.
Filter underdrain. J. P. Lawlor. 2,594,568, Apr. 29.
Filter unit. F. W. Cloedy and C. E. Holt. 2,600,480, June 17.
Filter unit. M. H. Hamilton. 2,617,535, Nov. 11.
Filter unit. J. E. Valente. 2,607,495, Aug. 19.
Filter unit, Concentric. L. H. De Haven. 2,593,855, Apr. 22.
Filter unit for air cleaners. J. B. Sebok, W. H. Browne, and A. E. Pavlish. 2,587,234, Feb. 26.
Filter unit, Rotary leaf. C. L. Peterson. 2,591,720, Apr. 8.
Filter using magnetostrictive rings. E. E. Mott. 2,592,721, Apr. 15.
Filtering. C. A. Rodman and N. L. Tewksbury. 2,609,931, Sept. 9.
Filtering apparatus. H. I. Chambers and L. B. Ehrlich. 2,584,551, Feb. 5.
Filtering apparatus. J. A. Maslin. 2,604,995, July 29.
Filtering apparatus. C. L. Peterson. 2,602,549, July 8.
Filtering by attracting sludge particles. C. A. Rodman and N. L. Tewksbury. 2,613,813, Oct. 14.
Filtering element, Liquid. H. M. Arakelian. 2,592,104, Apr. 8.
Filtering liquid level gauge. C. A. and W. D. Pickens. 2,616,294, Nov. 4.
Filtration of oils and waxes with bauxite. D. W. Robertson and C. F. Duchacek. 2,596,942, May 13.
Filtration of sewage, Two stage. J. Gunz. 2,580,764, Jan. 1.
Filtration plant flow control responsive to demand. P. Hardy. 2,601,137, June 17.
Fin elements, Making. M. P. Penn. 2,598,191, May 27.
Final-shaping attachment for wire-drawing machines. E. W. Johnston. 2,612,797, Oct. 7.
Fine tuner for turret type tuners. E. P. Thias. 2,620,378, Dec. 2.
Finely crystalline aluminum oxide, Producing. B. Eliasson. 2,610,110, Sept. 9.
Finger applicator or massaging device. C. R. Woodbury. 2,584,649, Feb. 5.
Finger for chicken pickers. S. S. Barker. 2,603,830, July 22.
Finger hook. H. C. Ziemke. 2,614,878, Oct. 21.
Finger magnet device. J. E. Hauser. 2,600,647, June 17.
Fingernail guard. A. D. Okonski. 2,591,092, Apr. 1.
Fingernail mounting for writing instruments. S. W. Sam. 2,603,519, July 15.
Fingerprint corrosion inhibiting compositions. D. I. Walker and E. A. Dieman. 2,598,949, June 3.
Finger release latch. H. Ter Meer and W. W. Peterson. 2,588,307, Mar. 4.
Finger ring holder. L. G. Hunter. 2,618,382, Nov. 18.
Finger shield device. A. B. Dee. 2,580,893, Jan. 1.
Finger tip moistener. R. P. Ingraham. 2,621,356, Dec. 16.
Finger type circuit regulator. A. M. Cohen. 2,580,732, Jan. 1.
Finishing annular grooves. J. E. Kline. 2,604,735, July 29.
Finishing cutter. K. B. Kaiser. 2,586,955, Feb. 26.
Finishing gears. W. S. Praeg. 2,581,701, Jan. 8.
Finishing gears. W. S. Praeg. 2,613,486, Oct. 14.
Finishing knitted fabric. R. Evans, 2nd. 2,588,624, Mar. 11.
Finishing machine for concrete slabs. A. E. Miller, R. F. Lindow, and S. Shafer, Jr. 2,603,132, July 15.
Finishing machine for elongated tapered articles. D. M. Kitterman. 2,589,616, Mar. 18.

Finishing of textile fabrics. J. B. Speakman and A. Crummett. 2,586,106, Feb. 19.
Finishing varnish for application over lithographic ink. P. W. Greubel. 2,602,072, July 1.
Fire alarm. C. H. Fink. 2,609,785, Sept. 9.
Fire alarm. S. Kuzmich, Jr. 2,600,006, June 10.
Fire alarm. G. L. Moreland. 2,587,506, Feb. 26.
Fire alarm and extinguisher holder, Combined. A. J. Paladino. 2,614,519, Oct. 21.
Fire alarm and spray system. A. A. Trudeau. 2,590,298, June 3.
Fire alarm apparatus. M. P. Reece. 2,587,762, Mar. 4.
Fire alarm, Automatic. A. Hirschle. 2,590,770, Mar. 25.
Fire alarm, Protective. N. O. Turner. 2,609,786, Sept. 9.
Fire alarm signal station box. L. L. Verkuil and J. E. Russo. 2,594,369, Apr. 29.
Fire alarm system. J. D. Constantino. 2,58,964, Mar. 11.
Fire alarm system. S. D. Spurling. 2,605,342, July 29.
Fire alarm unit, Portable. S. Nuccio. 2,611,016, Sept. 16.
Firearm bolt, Two-piece. W. A. Schaich. 2,606,382, Aug. 12.
Firearm, Lever action. L. A. Jensen. 2,606,383, Aug. 12.
Firearm magazine. E. M. Stukas. 2,620,582, Dec. 9.
Firearm with compass in stock. E. F. White and M. J. La Viano. 2,597,212, May 20.
Firearm with time delay firing means. G. W. Hammar. 2,601,135, June 17.
Fire control. C. H. Shaw. 2,581,149, Jan. 1.
Fire-control apparatus for direct-aiming antiaircraft firearms. G. P. A. Allec. 2,623,287, Dec. 30.
Fire-control mechanism for firearms. H. H. Sefried, II. 2,584,299, Feb. 5.
Fire control pilot. C. R. Bowland and L. H. Crick, Jr. 2,593,004, Apr. 15.
Fire detector element. M. F. Peters. 2,586,252, Feb. 19.
Fire escape. F. A. Thoennes. 2,585,876, Feb. 12.
Fire extinguisher. T. Beauregard. 2,621,746, Dec. 16.
Fire extinguisher. V. E. Ferguson. 2,582,112, Jan. 8.
Fire extinguisher. G. C. MacDonald. 2,618,347, Nov. 18.
Fire extinguisher. H. J. Schnorr. 2,607,429, Aug. 19.
Fire extinguisher. E. E. Seaberg. 2,610,692, Sept. 16.
Fire extinguisher. C. H. Somers and S. C. Willis. 2,620,038, Dec. 2.
Fire extinguisher. E. J. Sweetland. 2,588,587, Mar. 11.
Fire extinguisher. C. L. Zabriskie. 2,612,224, Sept. 30.
Fire extinguisher, Automatic. D. W. Hartzell. 2,581,324, Jan. 1.
Fire extinguisher, Automatic. A. P. Kromer. 2,598,273, May 27.
Fire extinguisher, Automatically actuated. P. R. Zell. 2,588,788, Mar. 11.
Fire extinguisher carrier. C. K. Huthsing. 2,606,701, Aug. 12.
Fire extinguisher discharge device. H. Ensminger. 2,604,173, July 22.
Fire extinguisher discharge head and carrying handle. F. B. Allen. 2,610,693, Sept. 16.
Fire extinguisher, Dry chemical. P. M. Carter. 2,605,848, Aug. 5.
Fire extinguisher, Dry powder. E. H. Hansen. 2,592,029, Apr. 8.
Fire extinguisher for motor vehicles. J. Carpani. 2,596,761, May 13.
Fire extinguisher, Leakproof. F. L. Reeves. 2,586,088, Feb. 19.
Fire extinguisher multiple horn assembly. F. B. Allen. 2,599,533, June 10.
Fire extinguishing apparatus. H. E. Bedford and A. Hall. 2,603,469, July 15.
Fire-extinguishing apparatus. N. S. Griggs. 2,580,419, Jan. 1.
Fire extinguishing apparatus. H. R. Hammett. 2,596,399, May 13.
Fire-extinguishing apparatus. A. Smye. 2,586,575, Feb. 19.
Fire extinguishing apparatus, Portable. D. Mapes and W. A. V. Thomsen. 2,580,448, Jan. 1.
Fire extinguishing foam stabilizer. J. M. Perri. 2,594,985, Apr. 29.
Fire-extinguishing installation. H. E. Bedford and T. A. M. Mills. 2,618,346, Nov. 10.
Fire extinguishing system, Local automatic. G. F. Rooke. 2,585,039, Feb. 12.
Fire fighting apparatus. H. G. Freeman. 2,604,948, July 29.
Fire fighting apparatus. C. C. Watson. 2,603,298, July 15.
Fire hose. T. G. Smith. 2,598,022, May 27.
Fire hose samson. G. Wallis. 2,599,958, June 10.
Fire kindling device. C. C. Bramhall and E. F. Sutherland. 2,622,017, Dec. 16.
Fire or temperature rise detecting appliance. D. A. Hansard. 2,594,921, Apr. 29.
Fireplace chimney damper construction with water catching means. J. Koberling, Sr. 2,622,588, Dec. 23.
Fireplace damper. A. P. Robinson. 2,595,543, May 6.
Fireplace screen. J. H. Babros and J. Komada. 2,601,489, June 24.
Fireplace screen. H. B. Eckles. 2,616,499, Nov. 4.
Fireplace screen. L. J. Gaetano. 2,604,157, July 22.
Fireproof door construction. J. O. Fugelstad. 2,622,547, Dec. 23.
Fireproof laminated resins. R. G. Nelb. 2,602,037, July 1.
Fireproof, waterproof, flexible sheeting resistant to penetration by chemical warfare vesicant agents. W. H. Aiken and A. L. James. 2,606,131, Aug. 5.
Fireproofing compositions. J. J. Rakos. 2,593,400, Apr. 22.
Fireproofing compositions containing water-insoluble phosphorylamides, and articles fireproofed therewith. J. Truhlar and A. A. Pantsios. 2,582,181, Jan. 8.
Fire protection system. J. Dunlop and E. F. Durang. 2,586,797, Feb. 26.
Fire resistant sheet material. H. L. Becher. 2,611,694, Sept. 23.
Fire retardant. W. Juda. 2,616,866, Nov. 4.
Fire-retardant compositions. I. V. Wilson and R. Marotta. 2,600,455, June 17.
Fire retarding coating composition composed of a nitrogen-phosphorus compound with an aldehyde resin and polyhydroxy alcohol. M. L. Nielsen and P. E. Marling. 2,596,939, May 13.
Fire tool. R. M. Shearer and P. R. Adams. 2,595,712, May 6.
Fire-tube boiler and boiler operation, High rating. J. J. Wolfersperger. 2,581,316, Jan. 1.
Firing indicator attachment for distributors of internal-combustion engines. G. J. Worel. 2,620,765, Dec. 9.
Firing mechanism for automatic firearms with nonaxial rectilinear breechblock motion. C. E. Simpson. 2,594,359, Apr. 29.
Firing mechanism for guns. B. Belleri. 2,622,359, Dec. 23.
Firing mechanism for semi-automatic firearms and safety therefor. C. H. Benson. 2,585,620, Feb. 12.
Firing of molded powdered glass articles. L. F. Goodrich. 2,618,104, Nov. 18.
Firing pin for mortars, Replaceable. C. N. Hickman. 2,586,229, Feb. 19.
Firing unit control for heating systems. L. J. Smith. 2,621,856, Dec. 16.
Fish and game cleaning device. R. D. Wertz and G. W. McCourtie. 2,607,070, Aug. 19.
Fish ax. G. W. Coulter. 2,611,181, Sept. 23.
Fish bait. P. P. Cieslik. 2,589,343, Mar. 18.
Fish bait. E. L. Farley. 2,589,932, Mar. 18.
Fish bait. O. J. Thomas. 2,610,429, Sept. 16.
Fish bait. W. W. Thompson and G. F. Whitston. 2,593,220, Apr. 15.
Fish bait. D. A. Wing. 2,599,035, June 3.
Fish bait, Artificial. J. Eslinger. 2,613,470, Oct. 14.
Fish bait, Artificial. A. L. Nelson. 2,593,476, Apr. 22.
Fish bait catching apparatus. J. J. Brown. 2,604,715, July 29.
Fish baiter. J. L. Moore. 2,605,580, Aug. 5.
Fish bobber. F. A. Lambach. 2,607,153, Aug. 19.
Fish canning process and composition. H. D. Dakis. 2,602,030, July 1.
Fish cleaning machine. J. S. M. Harrison and S. W. Roach. 2,602,184, July 8.
Fish cutting and cleaning machine. A. L. Christiansen. 2,599,694, June 10.
Fish directing machine. A. L. Christiansen. 2,602,183, July 8.
Fish diverting apparatus. H. T. Burkey. 2,612,861, Oct. 7.
Fish egg hatching device. R. Vibert. 2,611,337, Sept. 23.
Fish food, Preparing. H. S. Otter. 2,583,964, Jan. 29.
Fish gaff. B. L. Herrington. 2,589,612, Mar. 18.
Fish grading apparatus. A. L. Christiansen. 2,582,007, Jan. 8.
Fishholder. L. E. and E. W. Southward. 2,587,007, Feb. 26.
Fish holding implement. A. F. Siskoff. 2,603,829, July 22.
Fishhook. W. A. Crowder. 2,582,418, Jan. 15.
Fishhook. A. C. Freire. 2,619,758, Dec. 2.
Fishhook. H. N. Gorrias. 2,618,881, Nov. 25.
Fishhook. J. Johnstone. 2,618,097, Nov. 18.
Fishhook. K. V. Lysen. 2,583,863, Jan. 29.
Fishhook. L. S. Penninger. 2,619,759, Dec. 2.
Fishhook. C. T. Sampson. 2,591,013, Apr. 1.
Fishhook. P. L. Wentz. 2,608,791, Sept. 2.
Fishhook and leader carrier. V. S. Dillingham. 2,597,304, May 20.
Fishhook and leader holder, including slidable anchor member. F. R. Casciano. 2,604,721, July 29.
Fishhook and lure, Weed-free. R. K. Igo. 2,618,095, Nov. 18.
Fishhook assembly. C. P. Helin. 2,621,438, Dec. 16.
Fishhook assembly, Expanding. C. H. Wolf. 2,597,832, May 20.
Fishhook, Automatic. A. F. Pamer. 2,592,727, Apr. 15.
Fishhook baiter. F. G. Schmidt. 2,584,231, Feb. 5.
Fishhook construction with pull actuated release means. P. J. Schwartz. 2,608,786, Sept. 2.
Fishhook container. M. J. Lester. 2,600,665, June 17.
Fishhook disengaging device. E. P. Cox. 2,597,229, May 20.
Fishhook disgorging device. C. C. Barber. 2,603,027, July 15.
Fishhook dislodging and extracting tool. R. J. Peronto. 2,619,859, Dec. 2.

Fishhook, Expanding. W. E. Kautenberg. 2,596,564, May 13.
Fishhook extractor. P. L. Krichbaum. 2,586,431, Feb. 19.
Fishhook guard. E. H. Roeben. 2,589,435, Mar. 18.
Fishhook holder. E. B. Dayton and A. P. Swem. 2,584,430, Feb. 5.
Fishhook holder. A. C. De Mello. 2,615,275, Oct. 28.
Fishhook holder. F. Stogermayr. 2,616,208, Nov. 4.
Fishhook leader carrier. B. M. McClain. 2,594,472, Apr. 29.
Fishhook rack. W. G. Galbraith, W. T. Williams and C. T. Abraham. 2,614,359, Oct. 21.
Fishhook releaser. J. K. Hall. 2,608,785, Sept. 2.
Fishhook remover. R. N. Steele. 2,589,976, Mar. 18.
Fishhook, Sparkler. H. H. Bakken. 2,599,684, June 10.
Fishhook support and sinker. S. J. Ripich. 2,591,294, Apr. 1.
Fishhook tying fixture. B. G. Fulvio. 2,601,605, June 24.
Fishhook, Weedless. P. Mattieson. 2,601,160, June 17.
Fish impaling pin. K. T. Lehmann. 2,594,661, Apr. 29.
Fish landing net. F. C. Hungerford. 2,600,773, June 17.
Fishline casting device. D. Kronhaus and L. Lifschutz. 2,605,569, Aug. 5.
Fishline dobber, Adjustable. J. Bechik. 2,593,524, Apr. 22.
Fishline float. J. C. Golnick. 2,587,311, Feb. 26.
Fishline leader holder. J. Kamps. 2,595,403, May 6.
Fishline sinker. A. Neja and L. Weber. 2,601,737, July 1.
Fishline sinker, Slip-on. F. Bujaky. 2,599,973, June 10.
Fish lure. G. Alexath. 2,611,208, Sept. 23.
Fish lure. O. R. Angell. 2,586,141, Feb. 19.
Fish lure. J. C. Bain. 2,598,965, June 3.
Fish lure. J. A. Brown. 2,603,025, July 15.
Fish lure. W. E. Bunker. 2,605,573, Aug. 5.
Fish lure G. A. Cummins. 2,598,360, May 27.
Fish lure. J. F. Fitzgerald. 2,597,982, May 27.
Fish lure. E. C. Fortmann. 2,606,389, Aug. 12.
Fish lure. J. A. Gaylord. 2,582,627, Jan. 15.
Fish lure. G. L. Green. 2,620,587, Dec. 9.
Fish lure. M. J. Haberkorn. 2,613,469, Oct. 14.
Fish lure. A. R. Hagen. 2,611,987, Sept. 30.
Fish lure. J. J. Hardy. 2,597,792, May 20.
Fish lure. I. Heino. 2,593,027, Apr. 15.
Fish lure. W. S. Johnston. 2,585,783, Feb. 12.
Fish lure. J. P. Knox. 2,622,361, Dec. 23.
Fish lure. E. L. Krogue. 2,608,787, Sept. 2.
Fish lure. H. A. Kuehnel. 2,612,717, Oct. 7.
Fish lure. S. E. McCarthy. 2,592,445, Apr. 8.
Fish lure. R. J. McFarland. 2,608,790, Sept. 2.
Fish lure. W. H. Moore. 2,582,646, Jan. 15.
Fish lure. A. L. Oberbeck and D. V. Mason. 2,589,117, Mar. 11.
Fish lure. E. T. Pedranti. 2,621,437, Dec. 16.
Fish lure. A. Pelto. 2,585,494, Feb. 12.
Fish lure. L. E. Rasch. 2,590,461, Mar. 25.
Fish lure. L. L. Reckler. 2,593,792, Apr. 22.
Fish lure. J. E. Roberts. 2,599,128, June 3.
Fish lure. P. F. Slough. 2,615,274, Oct. 28.
Fish lure. E. J. Stanwyck. 2,603,902, July 22.
Fish lure. C. W. Waddell. 2,583,616, Jan. 29.
Fish lure. C. L. Wagner. 2,618,096, Nov. 18.
Fish lure. G. E. Wise. 2,596,883, May 13.
Fish lure. H. M. Wood. 2,587,264, Feb. 26.
Fish lure, Adjustable depth vane. F. L. Shipley. 2,608,016, Aug. 26.
Fish lure and constructing same. T. H. Riner. 2,594,264, Apr. 22.
Fish lure and manufacture. J. W. Harvey. 2,583,942, Jan. 29.
Fish lure, Artificial. C. E. Helwig. 2,623,319, Dec. 30.
Fish lure, Artificial. E. A. Prieur. 2,598,012, May 27.
Fish lure, Artificial. E. H. Rolf. 2,605,574, Aug. 5.
Fish lure, Deep-running. J. W. Harvey. 2,611,206, Sept. 23.
Fish lure, Interchangeable. P. J. Kindscher. 2,587,736, Mar. 4.
Fish lure, Metal. A. A. Garner. 2,606,387, Aug 12.
Fish lure of the swimming type, Darting. W. F. Niemi. 2,608,788, Sept. 2.
Fish lure, Oscillating. C. W. Roes. 2,596,959, May 18.
Fish lure, Plug-type. L. A. Cracker. 2,609,633, Sept. 9.
Fish lure, Quick-change bait casting. A. R. Munson, Sr. 2,592,171, Apr. 8.
Fish lure releaser. H. G. McKee. 2,586,073, Feb. 19.
Fish lure, Spinning. A. Montali. 2,587,366, Feb. 26.
Fish lure, Whistling artificial. L. W. Shahan. 2,589,970, Mar. 18.
Fishmouth holding tool. H. H. Smeltz. 2,595,989, May 6.
Fishnet. B. C. Anderson. 2,584,530, Feb. 5.
Fish net formed of synthetic resin strands and strands therefor and producing same. W. E. Thompson, Jr., and R. W. Taylor. 2,590,586, Mar. 25.
Fish processing apparatus. W. A. Fonken and E. Auer. 2,584,567, Feb. 5.
Fish product and forming same. A. Osbourne. 2,605,184, July 29.
Fish reel with level winding mechanism, Casting. S. H. Breedlove. 2,610,809, Sept. 16.
Fish sack hoop and support therefor. S. G. Longenberger. 2,605,068, July 29.
Fish scaler and skinner. E. W. Fishburne. 2,618,810, Nov. 25.
Fish scaler with scale guard. F. J. Wunderlich. 2,618,011, Nov. 18.
Fish scaling device. G. E. Corbin. 2,598,509, May 27.
Fish-scaling equipment. O. L. Sohler. 2,586,732, Feb. 19.
Fish separating machine. O. Anhanger. 2,583,762, Jan. 29.
Fish skinning machine. J. W. Daniels. 2,605,495, Aug. 5.
Fish skinning machine. G. E. Hube. 2,601,292, June 24.
Fish spear. R. Radiker. 2,616,201, Nov. 4.
Fish spoon bait. E. A. Ebert. 2,605,575, Aug. 5.
Fish stringer. L. M. Butler. 2,612,303, Sept. 30.
Fish stringer. F. Jarabek. 2,599,057, June 3.
Fish stringer. A. J. John. 2,604,243, July 22.
Fish stringer. R. R. Rosenberg. 2,588,768, Mar. 11.
Fish tape puller. J. A. Wright. 2,606,466, Aug. 12.
Fisherman's gripping device. A. V. Alston. 2,616,745, Nov. 4.
Fishing apparatus. M. J. and E. F. Fasano. 2,617,228, Nov. 11.
Fishing apparatus. A. C. Freire. 2,619,757, Dec. 2.
Fishing apparatus. N. and J. F. Jaworowski. 2,603,429, July 15.
Fishing apparatus. A. A. Kruze. 2,612,712, Oct. 7.
Fishing apparatus. C. H. Muth. 2,590,721, Mar. 25.
Fishing apparatus, Automatic. C. A. Airey. 2,587,675, Mar. 4.
Fishing appliance. M. J. and E. F. Fasano. 2,605,571, Aug. 5.
Fishing arrowhead. R. A. Gottschalk and R. W. Warner. 2,599,626, June 10.
Fishing bait aerating device. C. C. Willson. 2,601,198, June 17.
Fishing bait and hook holder, Live. J. W. Duty. 2,603,026, July 15.
Fishing bait, Artificial. C. O. Smith. 2,588,300, Mar. 4.
Fishing bait, Artificial frog. M. U. Morris and H. J. Westerfield. 2,607,151, Aug. 19.
Fishing bait, Illuminable artificial. C. W. Waite. 2,598,471, May 27.
Fishing bait or lure. J. H. McCormick. 2,590,990, Apr. 1.
Fishing bobber. W. Blockinger. 2,582,619, Jan. 15.
Fishing bobber. D. H. Hodges. 2,598,378, May 27.
Fishing bobber. A. H. D. Klie. 2,597,836, May 20.
Fishing bobber. E. Sokolik. Re. 23,567, Oct. 21.
Fishing buoy. H. J. Neef. 2,600,797, June 17.
Fishing creel. P. H. Scherer. 2,610,758, Sept. 16.
Fishing device. R. E. Allen. 2,593,716, Apr. 22.
Fishing device. W. R. H. Breuer. 2,594,387, Apr. 29.
Fishing device, Automatic. G. M. Jenkins. 2,612,713, Oct. 7.
Fishing device, Semiautomatic. R. Deskin and C. W. Savitz. 2,593,995, Apr. 22.
Fishing equipment. A. R. Klein. 2,600,002, June 10.
Fishing float. J. A. Behensky. 2,591,332, Apr. 1.
Fishing float. W. P. Brzesinski. 2,603,905, July 22.
Fishing float. W. L. Keen. 2,581,260, Jan. 1.
Fishing float. A. E. Merriweather. 2,587,190, Feb. 26.
Fishing float. F. T. Stockton. 2,611,211, Sept. 23.
Fishing float and reel. N. W. Fisher. 2,601,736, July 1.
Fishing float, Automatic. P. J. Laurito. 2,606,385, Aug. 12.
Fishing float, Controlled. M. R. Caldwell. 2,597,288, May 20.
Fishing float, Variable depth remote-controlled. B. C. Kay and I. B. Hagar. 2,597,737, May 20.
Fishing fly. T. F. Lloyd, Jr. 2,611,985, Sept. 30.
Fishing gaff. J. T. Shackel. 2,584,371, Feb. 5.
Fishing gear. J. Abrey. 2,605,570, Aug. 5.
Fishing hook. F. Schwarzer. 2,597,679, May 20.
Fishing hook and grip, Combined. B. Shaw. 2,620,590, Dec. 9.
Fishing hook guard. G. Wineinger. 2,582,090, Jan. 8.
Fishing leader holder. P. J. Gond. 2,596,896, May 13.
Fishing leader, Resilient. G. E. Farmer. 2,606,390, Aug. 12.
Fishing line. D. Lippey. 2,614,451, Oct. 21.
Fishing line clamp. J. W. Riley. 2,605,568, Aug. 5.
Fishing line cleat and rod support. J. Cohen. 2,602,618, July 8.
Fishing line float. E. H. Kramer. 2,591,558, Apr. 1.
Fishing line float, Automatic hooksetting. M. Shukites. 2,598,140, May 27.
Fishing line holder. M. G. Woodard. 2,604,720, July 29.
Fishing line hook protector. N. Granger. 2,594,011, Apr. 22.
Fishing line oiling, greasing, and drying reel. J. K. McKelvey. 2,613,048, Oct. 7.
Fishing line package, Multiple spool. D. Lippey. 2,603,348, July 15.
Fishing line reel. P. C. Palmer and H. W. James. 2,615,647, Oct. 28.
Fishing line reel device. O. E. Delphon. 2,586,921, Feb. 26.
Fishing line sinker. L. R. Young, Jr., and J. W. Laster. 2,605,576, Aug. 5.
Fishing line snap actuator. A. D. Rose. 2,582,758, Jan. 15.
Fishing line spreader. G. N. Ristine. 2,592,741, Apr. 15.
Fishing line washing and drying apparatus. G. F. Holtz and S. Bernstein. 2,592,143, Apr. 8.
Fishing lure. D. M. Croft, Jr., and J. D. Barefield. 2,606,388, Aug. 12.

Fishing lure. J. F. Eder. 2,598,771, June 3.
Fishing lure. G. B. Espey and G. D. Waite. 2,596,474, May 13.
Fishing lure. M. J. and E. F. Fasano. 2,590,167, Mar. 25.
Fishing lure. W. E. Gautsche, Jr. 2,611,984, Sept. 30.
Fishing lure. H. A. Hedland. 2,612,716, Oct. 7.
Fishing lure. F. P. Holmgren. 2,605,572, Aug. 5.
Fishing lure. S. L. Jezerski. 2,603,901, July 22.
Fishing lure. R. C. Lauterwasser. 2,594,038, Apr. 22.
Fishing lure. R. G. Mason. 2,616,205, Nov. 4.
Fishing lure. L. J. Mickelson. 2,590,558, Mar. 25.
Fishing lure. M. F. Murray. 2,600,673, June 17.
Fishing lure. M. L. Nichols. 2,594,673, Apr. 29.
Fishing lure. F. C. Pollard. 2,603,024, July 15.
Fishing lure. R. B. Pond. 2,611,209, Sept. 23.
Fishing lure. P. H. Rainey. 2,587,218, Feb. 26.
Fishing lure. W. H. Rickard. 2,597,035, May 20.
Fishing lure. I. G. Roth. 2,595,168, Apr. 29.
Fishing lure. L. Senbeck. 2,600,386, Aug. 12.
Fishing lure. J. P. Siepe. 2,600,437, June 17.
Fishing lure. A. W. Silva. 2,611,986, Sept. 30.
Fishing lure. F. R. Steel. 2,611,205, Sept. 23.
Fishing lure. M. E. Walsh. 2,591,391, Apr. 1.
Fishing lure. C. F. Weigandt. 2,623,318, Dec. 30.
Fishing lure, Artificial. J. W. Brown. 2,603,903, July 22.
Fishing lure for use in connection with haul seine systems. T. P. Duncan, Jr. 2,582,015, Jan. 8.
Fishing lure, including fish actuated impaling means. W. F. Hunicke and W. Haseman. 2,619,756, Dec. 2.
Fishing lure, including hook mounting means. H. A. Le Master and P. J. Schriner. 2,602,256, July 8.
Fishing lure, Two-piece. T. Yoshii. 2,617,226, Nov. 11.
Fishing lure with a combined weed guard and skirt clamp. J. M. Kneece and I. B. Harkey, Jr. 2,617,227, Nov. 11.
Fishing lure with clevis for replaceable spinners. G. A. Parish. 2,603,023, July 15.
Fishing net. H. E. Schatz. 2,587,770, Mar. 4.
Fishing net attachment. A. Hörgård. 2,590,249, Mar. 25.
Fishing plug. J. G. Ammon. 2,616,206, Nov. 4.
Fishing plug. H. D. Chaffee. 2,590,752, Mar. 25.
Fishing plug. R. B. Pond. 2,611,207, Sept. 23.
Fishing plug. W. A. Sleness. 2,587,658, Mar. 4.
Fishing plug with guarded hook. T. A. Herkenham. 2,581,485, Jan. 8.
Fishing pole attachment. A. E. Peterson. 2,608,015, Aug. 26.
Fishing pole holder. P. A. Halfpap and E. P. McDermott. 2,592,688, Apr. 15.
Fishing pole holder. P. V. Maze. 2,592,306, Apr. 8.
Fishing pole holder. E. W. Schwanke. 2,598,021, May 27.
Fishing pole signal. J. Kucewicz. 2,601,839, July 1.
Fishing reel. B. Bannister. 2,580,990, Jan. 1.
Fishline reel. G. R. Brown. 2,583,465, Jan. 22.
Fishing reel. R. D. Colgrove. 2,589,776, Mar. 18.
Fishing reel. L. Cooper. 2,591,338, Apr. 1.
Fishing reel. J. M. Goldberg. 2,587,462, Feb. 26.
Fishing reel. J. M. Goldberg. 2,593,748–9, Apr. 22.
Fishing reel. J. B. Hand. 2,613,468, Oct. 14.
Fishing reel. J. H. Hayes. 2,604,273, July 22.
Fishing reel. R. H. Hewlett. 2,580,777, Jan. 1.
Fishing reel. A. A. Hollander. 2,607,548, Aug. 19.
Fishing reel. R. A. Johnson. 2,612,325, Sept. 30.
Fishing reel. D. A. Kester. 2,613,045, Oct. 7.
Fishing reel. C. B. Limpright. 2,613,883, Oct. 14.
Fishing reel. H. I. Mandolf and H. R. Chapin. 2,617,612, Nov. 11.
Fishing reel. M. Maroshick. 2,593,045, Apr. 15.
Fishing reel. E. Meierjohan. 2,617,611, Nov. 11.
Fishing reel. E. L. Olsen. 2,604,272, July 22.
Fishing reel. J. R. Penzol y Vijande. 2,602,602, July 8.
Fishing reel. D. and E. J. Perinoni. 2,622,824, Dec. 23.
Fishing reel. E. J. and D. Perinoni. 2,600,685, June 17.
Fishing reel. R. F. Redding. 2,613,046, Oct. 7.
Fishing reel. E. Rosner. 2,593,700, Apr. 22.
Fishing reel. F. W. Schnepel. 2,591,204, Apr. 1.
Fishing reel. W. Shakespeare, Jr. 2,614,768, Oct. 21.
Fishing reel. E. F. Small. 2,613,882, Oct. 14.
Fishing reel. C. A. Smith. 2,582,289, Jan. 15.
Fishing reel. O. B. Surber. 2,610,002, Sept. 9.
Fishing reel. E. J. Von Pein. 2,623,706, Dec. 30.
Fishing reel. J. J. Zetts. 2,613,044, Oct. 7.
Fishing reel. E. L. Zientowski. 2,601,582, June 24.
Fishing reel brake. L. W. Gobde. 2,593,872, Apr. 22.
Fishing reel brake. I. Weisblatt. 2,587,257, Feb. 26.
Fishing reel for fishing rods. S. G. Bergman and J. A. I. Öhlund. 2,623,704, Dec. 30.
Fishing reel lock. M. C. Godfrey. 2,593,747, Apr. 22.
Fishing reel seat. W. P. Bennett. 2,616,204, Nov. 4.
Fishing reel seat. J. C. Coleman. 2,612,714, Oct. 7.
Fishing reel seat. R. J. Esposito. 2,592,878, Apr. 15.
Fishing reel with nonrotary bobbin. P. Mauborgne. 2,600,558, June 17.
Fishing rod. R. H. Beyer. 2,594,586, Apr. 29.
Fishing rod. H. G. Caroland. 2,610,427, Sept. 16.
Fishing rod. P. C. Palmer. 2,600,259, June 10.
Fishing rod. F. G. Romberger. 2,616,202, Nov. 4.
Fishing rod. C. F. Seifert. 2,620,586, Dec. 9.
Fishing rod anchor. J. Delamere. 2,612,334, Sept. 30.
Fishing rod and reel. J. Berchak. 2,599,219, June 3.
Fishing rod and reel. I. B. Humphreys. 2,584,020, Jan. 29.
Fishing rod carrying case. W. R. Chalker. 2,591,674, Apr. 8.
Fishing rod case. J. G. Daviau. 2,595,230, May 6.
Fishing rod handle. W. C. Warth. 2,583,909, Jan. 29.
Fishing rod handle and holder therefor. P. J. Kacsor. 2,596,247, May 13.
Fishing rod holder. J. M. Folker. 2,599,099, June 3.
Fishing rod holder. O. L. Guestinger. 2,619,308, Nov. 25.
Fishing rod holder. L. Hoffman. 2,596,403, May 13.
Fishing rod holder. J. L. Lavender. 2,617,616, Nov. 11.
Fishing rod holder. J. C. Mitchell. 2,593,783, Apr. 22.
Fishing rod holder. S. E. Robbins and F. L. Larson. 2,604,287, July 22.
Fishing rod holder. C. A. Waltz. 2,580,625, Jan. 1.
Fishing rod joint. L. B. Felerabend. 2,600,629, June 17.
Fishing rod stand. C. A. Waltz. 2,622,829, Dec. 23.
Fishing rod support. W. F. Brauer. 2,599,160, June 3.
Fishing rod tender. R. H. Grigsby. 2,621,877, Dec. 16.
Fishing rod wrapping device. B. S. Fosnaugh. 2,609,155, Sept. 2.
Fishing signal. J. W. Fowler. 2,589,610, Mar. 18.
Fishing signal. J. A. Kellett. 2,603,900, July 22.
Fishing signal. E. E. Sheraski. 2,618,091, Nov. 18.
Fishing sinker. C. L. Hinkson. 2,608,017, Aug. 26.
Fishing sinker. T. H. and L. G. Knott. 2,623,323, Dec. 30.
Fishing sinker. W. L. Snapps. 2,592,967, Apr. 15.
Fishing spinner lure. A. G. Homa. 2,619,761, Dec. 2.
Fishing spoon. A. H. Heiland. 2,588,720, Mar. 11.
Fishing spoon hook mounting. C. W. Roes. 2,590,723, Mar. 25.
Fishing tackle. W. J. B. Brown. 2,623,322, Dec. 30.
Fishing tackle. A. C. De Mello. 2,592,664, Apr. 15.
Fishing tackle assembly. O. Lawrenz. 2,586,170, Feb. 19.
Fishing tip-up signal. F. O. Rogers. 2,608,783, Sept. 2.
Fishing tool. C. A. Dean. 2,593,994, Apr. 22.
Fishing tool. C. L. Deely. 2,606,620, Aug. 12.
Fishing tool. K. C. Hawkins. 2,613,980, Oct. 14.
Fishing tool. D. A. Siracusa. Re. 23,557, Sept. 30.
Fishing trap. W. Haseman. 2,603,031, July 15.
Fission indicator. C. E. Wiegand. 2,595,622, May 6.
Fitting. D. P. Hynes. 2,586,950, Feb. 26.
Fitting and sealing means therefor. J. G. Livingstone. 2,601,040, June 17.
Fitting for flexible elements. J. B. Rishel. 2,602,206, July 8.
Fitting for sanitary fixtures. C. R. Morris. 2,607,045, Aug. 19.
Fitting for wire rope and strands. W. J. Gilmore. 2,621,385, Dec. 16.
Fittings for coupling the ends of tubes, Making. O. P. Hadley. 2,615,235, Oct. 28.
5-hydroxy-3-(6-hydroxy-2-naphthyl) pentanoic acid lactones. M. N. Huffman. 2,607,780, Aug. 19.
5-keto-1:3:4:5-tetrahydrobenz-(cd)-indol, Manufacture of. C. Grob. 2,621,186, Dec. 9.
5-nitro-2-furfurylidene acetone semicarbazone. F. L. Austin and H. B. Hastie. 2,599,509, June 3.
5,7-bisdehydrosteroids, Preparation of. J. S. Buck and B. F. Tullar. 2,615,904, Oct. 28.
5-substituted-5-(2-thienyl) hydantoins. J. J. Spurlock. 2,591,103, Apr. 1.
Fixed electrical resistance element and manufacturing the same. J. N. Coates. 2,597,226, May 20.
Fixed message inserter. R. A. Lake. 2,586,669, Feb. 19.
Fixing hollow rivets and the like. J. Gobin. 2,597,984, May 27.
Fixing photograph on glass. L. R. D. Beck. 2,593,396, Apr. 22.
Fixture and holder for fluorescent lamps. A. P. Leinen. 2,596,336–7, May 13.
Fixture for cameras or other similar apparatus. T. J. H. Wallenius. 2,589,520, Mar. 18.
Fixture for machine tools. E. E. Powell. 2,592,821, Apr. 15.
Fixture for Venetian blinds. H. S. Rosenbaum. 2,620,866, Dec. 9.
Fixture holding means. H. M. Knoch. 2,604,285, July 22.
Fixture reflector aligner. R. E. Kingston and R. G. Marchisio. 2,600,884, June 17.
Fixture with wall receiving portion. A. L. Lindstrom. 2,587,181, Feb. 26.
Flagstaff, Detachable. M. W. Burgess. 2,601,088, June 17.
Flaking fused crystalline solids. D. B. Montgomery and E. V. Hegg. 2,613,396, Oct. 14.
Flame control apparatus. G. W. Nagel. 2,594,059, Apr. 22.
Flame control for burners of the solidified normally liquid fuel burning type. A. J. Laliberte. 2,610,674, Sept. 16.
Flame control means for oil burners. H. K. Winters. 2,616,493, Nov. 4.
Flame cutting machine. G. Maxon, Jr. 2,583,002, Jan. 22.
Flame detection apparatus. R. W. Russell. 2,619,595, Nov. 25.
Flame detector. P. T. Semm. 2,600,928, June 17.
Flame failure safeguard. E. C. Thomson and P. J. Cade. 2,621,299, Dec. 9.
Flame glossing rod-shaped single crystals of corundum. M. H. Barnes and E. L. McCandless. 2,608,031, Aug. 26.
Flame gun. F. W. Funke. 2,601,893, July 1.
Flame method of cutting metal. W. E. Brill. 2,582,946, Jan. 22.

Flameproof thermoplastic molding compositions. G. F. Rugar. 2,590,211, Mar. 25.
Flameproofing. M. L. Nielsen and H. K. Nason. 2,603,614, July 15.
Flameproofing composition. H. Hopkinson. 2,610,920, Sept. 16.
Flame retaining atmospheric gas burner. E. R. Downe. 2,610,675, Sept. 16.
Flame retardant polyethylene and lignin containing composition. R. C. Danison. 2,588,362, Mar. 11.
Flame retarding composition. E. A. Lauring. 2,594,937, Apr. 29.
Flame sensitive fuel cutoff device. C. A. Cobb. 2,612,946, Oct. 7.
Flame synthesis of hydrogen cyanide. A. C. McKinnis. 2,596,421, May 13.
Flammable gas detector. C. M. Page. 2,581,812, Jan. 8.
Flange beams of wood. K. H. Brosenius. 2,607,959, Aug. 26.
Flange holding clamp. G. R. Newlon, Jr. 2,585,343, Feb. 12.
Flange rolling mill. C. E. Stenson and A. W. Kelly. 2,594,819, Apr. 29.
Flapalleron for airplanes. F. W. Ross. 2,580,841, Jan. 1.
Flap holder. R. J. Nagler. 2,582,502, Jan. 15.
Flap mechanism. R. F. Donovan. 2,614,774, Oct. 21.
Flap operating means. J. A. Phillips. 2,589,026, Mar. 11.
Flap positioning control system. R. F. Hill. 2,609,165, Sept. 2.
Flapping wing flier for individual flying. M. Macklewicz. 2,611,558, Sept. 23.
Flare housing with simultaneously operated wick hood capping means on closure. W. O. Pajuoja. 2,615,561, Oct. 28.
Flaring tool. G. E. Franck. 2,604,139, July 22.
Flash analyzer. B. M. Jaffe. 2,597,001, May 20.
Flashback arrester. E. H. Smith. 2,609,281, Sept. 2.
Flashback-proof gas burner. L. D. Conta and J. Tetl. 2,618,322, Nov. 18.
Flashback-proof gas mixer. L. D. Conta and J. Tetl. 2,618,539, Nov. 18.
Flashbulb. J. Poelma and C. A. Lamberts. 2,611,255, Sept. 23.
Flash cutter for rubber heels. G. Eaton. 2,620,873, Dec. 9.
Flash holder bracket attachment for cameras with resiliently held latches. A. B. Fox. 2,600,748, June 17.
Flash lamp. H. P. Keukens and L. H. Verbeek. 2,599,644, June 10.
Flash lamp ejector socket assembly. L. A. Wilkinson. 2,595,318, May 6.
Flash lamp firing circuit. H. L. Malone and E. S. Marvin. 2,614,409, Oct. 21.
Flash lamp socket with ejector. M. Schwartz and W. Castedello. 2,615,071, Oct. 21.
Flashlight and circuit tester, Combined. B. Sill. 2,588,772, Mar. 11.
Flashlight and continuity fuse tester, Combination. S. P. Needham. 2,588,559, Mar. 11.
Flashlight and hearing aid battery booster. T. Carlson. 2,588,962, Mar. 11.
Flashlight assembly having combined support and visor means. D. Goad. 2,614,206, Oct. 14.
Flashlight attachment for guns. D. G. Chandler and W. W. Bryson. 2,597,565, May 20.
Flashlight attachment for guns. H. H. Jahncke. 2,601,613, June 24.
Flashlight casing, including a readily attachable lamp contact means, Angular head. J. A. Gits. 2,599,253, June 3.
Flashlight casing, including a readily attachable reflector contact means, Angular head. J. A. and J. P. Gits. 2,599,254, June 3.
Flashlight comprising permanently assembled lamp, cell, housing, and switch structure. F. H. Müller. 2,600,418, June 17.
Flashlight device. H. L. Malone and G. C. Underwood. 2,600,789, June 17.
Flashlight for use in a combined flashlight, cigarette lighter, and writing implement. S. Berkowitz. 2,607,883, Aug. 19.
Flashlight having a reversible contact plate for establishing either series or series-parallel connections. J. L. Cunningham. 2,597,073, May 20.
Flashlight having separable casing parts and trigger operated switch, Pistol type. R. E. Van Vliet and C. A. Lesoine. 2,593,942, Apr. 22.
Flashlight, including electric system and lock subassembly, Vest pocket. A. Zwierzynski. 2,591,112, Apr. 1.
Flashlight, Multicolored electric. E. G. De Bow and H. S. Golland. 2,623,934, Dec. 30.
Flashlight, Multicolored electric. H. B. Mitchell. 2,606,242, Aug. 5.
Flashlight structure. C. E. Nyberg. 2,593,784, Apr. 22.
Flashlight with H-shaped frame forming opposed holders for dry cells and lamp head. F. Berman. 2,612,598, Sept. 30.
Flashlight with movable varicolored light filter. N. D. Gheorghiu. 2,591,419, Apr. 1.
Flashlight with retractable mount for auxiliary lamps, Portable electric. B. F. Muldoon. 2,581,129, Jan. 1.
Flashover indicator. K. R. Steen. 2,609,432, Sept. 2.
Flash removing apparatus. R. Bailis. 2,592,640, Apr. 15.
Flash removing machine. H. E. Morton. 2,580,817, Jan. 1.
Flash sight for shotguns. S. J. Procos. 2,585,345, Feb. 12.
Flash synchronizer for cameras. C. E. Johnson, G. Haraden and R. F. McCammon. 2,614,467, Oct. 21.
Flash tube. P. I. Hollman. 2,605,822, Aug. 5.
Flash tube circuit. H. W. Lord. 2,622,229, Dec. 16.
Flash tube igniter for burners at different levels. R. S. Taylor. 2,604,150, July 22.
Flasher type traffic signal. D. D. Grissinger. 2,604,523, July 22.
Flashing lamp for halftone cameras. C. Q. Glassey. 2,621,569, Dec. 16.
Flask handling device. R. J. Hines. 2,596,401, May 13.
Flask, Sectional molder's. R. O. Mayer. 2,590,720, Mar. 25.
Flask turnover for foundry molding machines. S. J. Gedris. 2,615,588, Oct. 28.
Flatcar endgates. J. A. Schroeder and A. W. Bower. 2,596,295, May 13.
Flat glass insert assembly. F. W. Miller. 2,608,095, Aug. 26.
Flatiron. W. J. Russell. 2,607,138, Aug. 19.
Flatiron and producing same. F. W. Carpenter. 2,605,378, July 29.
Flatiron, Electric. N. T. Almquist. 2,613,459, Oct. 14.
Flatiron, Electric. J. A. Guerra. 2,612,587, Sept. 30.
Flatiron having a retractable support. A. G. Swenson. 2,582,082, Jan. 8.
Flatiron, Steaming and pressing. H. L. Gordon. 2,597,314, May 20.
Flatiron support. P. M. Wallis, Jr. 2,584,071, Jan. 29.
Flatiron supporting and cleaning device. C. Butera. 2,598,347, May 27.
Flat mold for bathing caps. J. E. Feldman. 2,605,504, Aug. 5.
Flat rotary pump. F. C. Byram and S. S. L. Chang. 2,590,751, Mar. 25.
Flat rotary pump. S. S. L. Chang. 2,590,435, Mar. 25.
Flat screen for pulp screening. B. and E. Cowan. 2,594,400, Apr. 29.
Flat tank water heater. W. G. Cartter. 2,619,955, Dec. 2.
Flat terminal element for condenser foil. J. Katzman. 2,615,946, Oct. 28.
Flat tire indicator. J. Franks. 2,590,394, Mar. 25.
Flat wire conveyer belt. C. J. Van Lake. 2,619,306, Nov. 25.
Flatwire conveyer belt and cover plate therefor. N. S. Harter. 2,621,779, Dec. 16.
Flavor development and ennoblement of chocolate. H. K. Wiemer. 2,602,743, July 8.
Flavoring material for baked farinaceous goods and manufacturing baked farinaceous goods. G. W. Kirby. 2,609,298, Sept. 2.
Flavoring materials and preparing the same. W. E. Barch. 2,594,379, Apr. 29.
Flavoring spike. E. T. and I. M. Pedranti. 2,602,391, July 8.
Flaw detection method and means for carrying out the method. T. de Forest. 2,587,705, Mar. 4.
Flaw detection pickup. J. C. Dionne. 2,602,108, July 1.
Flaw detector carriage. W. C. Barnes and J. C. Dionne. 2,602,109, July 1.
Fleecelike stripping for boot tops or the like. L. S. Brown. 2,597,285, May 20.
Flexible abrasive articles, Making. N. P. Robie. 2,592,954, Apr. 15.
Flexible and extensible membrane. C. C. Raines. 2,606,442, Aug. 12.
Flexible bridge. C. H. Deringer. 2,613,364, Oct. 14.
Flexible chain coupling. O. Burawoy. 2,620,639, Dec. 9.
Flexible chamber pressure gauge. C. F. Wallace. 2,603,973, July 22.
Flexible coating composition from a copolymer of an acrylonitrile, alpha methyl styrene and ethyl acrylate. G. S. Schaffel and A. S. Wollilson. 2,617,788, Nov. 11.
Flexible conduit joint. J. S. Alford. 2,613,087, Oct. 7.
Flexible connection. G. J. Kirchner and H. Ottinger. 2,598,181, May 27.
Flexible cork compositions having a rubberlike binder and making the same. J. W. Wiley. 2,607,748, Aug. 19.
Flexible corrugated tubes, Making. R. E. Roberts. 2,584,501, Feb. 5.
Flexible coupling. M. G. Bales. 2,620,640, Dec. 9.
Flexible coupling. J. S. Heechler. 2,591,769, Apr. 8.
Flexible coupling. W. B. Bennett. 2,586,604, Feb. 19.
Flexible coupling. L. W. Falk. 2,618,135, Nov. 18.
Flexible coupling. E. Hagenlocher. 2,593,877, Apr. 22.
Flexible coupling. J. A. Hendel. 2,582,249, Jan. 15.
Flexible coupling. H. H. Langdon. 2,595,393, May 6.
Flexible coupling. D. R. Meier. 2,592,309, Apr. 8.
Flexible coupling. J. W. Pringle. 2,616,273, Nov. 4.
Flexible coupling. C. C. Scheele. 2,586,567, Feb. 19.
Flexible coupling and overload clutch, Combined. E. N. Natkins. 2,600,674, June 17.
Flexible coupling housing. G. G. Mize. 2,587,365, Feb. 26.
Flexible diaphragm type of laundry apparatus. T. S. Watson. 2,616,279, Nov. 4.
Flexible drive coupling. J. F. Hoffer. 2,580,781, Jan. 1.
Flexible drive means for concrete vibrators. H. Dreyer. 2,598,895, June 3.
Flexible electric heater. P. Loewe. 2,609,479, Sept. 2.
Flexible exhaust pipe joint. P. A. Pitt. 2,616,728, Nov. 4.
Flexible, extensible, and compressible tube with regular passage section. A. Michaudet. 2,622,623, Dec. 23.

Flexible frame seed drill. T. S. Moffett. 2,586,246, Feb. 19.
Flexible hose. C. P. Krupp. 2,612,910, Oct. 7.
Flexible hose end connection. P. R. Allison. 2,610,869, Sept. 16.
Flexible hose, Manufacture of. H. Klaue. 2,622,657, Dec. 23.
Flexible hydraulic tube and auger for cleaning clogged pipes. L. W. Schnepp. 2,608,421, Aug. 26.
Flexible insert for forming recesses in walls and the like. R. M. James. 2,596,028, May 6.
Flexible joint. J. A. Brazukas. 2,587,962, Mar. 4.
Flexible key form for forming recesses in concrete structures. R. M. James. 2,593,456, Apr. 22.
Flexible leaf hinge. A. V. Frohnapel. 2,592,411, Apr. 8.
Flexible mattress support. Z. Szulce. 2,581,611, Jan. 8.
Flexible metal compounds. J. F. Joy. 2,589,394, Mar. 18.
Flexible pin clutch. W. I. Belden. 2,619,211, Nov. 25.
Flexible pipe. A. E. Quest. 2,595,408, May 6.
Flexible power transmission belts, Making. J. Adams, Jr. 2,620,016, Dec. 2.
Flexible pressure-sensitive adhesive products. E. W. Engel, E. J. Giolito, J. A. McGarry, V. N. Morris, and C. L. Weidner. 2,592,550, Apr. 15.
Flexible resinous replicas, Making. C. L. Milton, Jr., and C. A. Nielson. 2,599,573, June 10.
Flexible rotary reaming apparatus. J. E. Turnbaugh. 2,600,707, June 17.
Flexible rotary shaft. H. Nield. 2,603,073, July 15.
Flexible shaft. F. A. Monahan. 2,592,055, Apr. 8.
Flexible shaft coupling. A. W. Mall. 2,586,359–60, Feb. 19.
Flexible shaft coupling with overload release. E. J. Wellauer. 2,618,136, Nov. 18.
Flexible shaft handpiece coupling. A. Wyzenbeek. 2,618,940, Nov. 25.
Flexible shaft remote-control switch. R. D. Lightfoot. 2,614,197, Oct. 14.
Flexible siliceous sheet material, making, and composition therefor. L. J. Berberich and O. E. Anderson. 2,590,493, Mar. 25.
Flexible spring tooth harrow. H. W. Harmsen. 2,617,241, Nov. 11.
Flexible steering wheel mounting. J. S. Yohn. 2,580,986, Jan. 1.
Flexible suture tube package with embedded tear string. C. C. Adams. 2,611,483, Sept. 23.
Flexible tool with predetermined overload yielding means. R. E. Gray, Jr. 2,619,860, Dec. 2.
Flexible tubing. W. E. Meissner. 2,609,002, Sept. 2.
Flexible unwoven fabric, Making. P. Modigliani. 2,609,320, Sept. 2.
Flexible V band tube coupling. G. A. Mahoff and R. O. Jessup. 2,602,678, July 8.
Flexible wave guide matching section. J. M. Lamb. 2,600,169, June 10.
Flexible web coated with an ethyl cellulose composition. M. H. Pintell. 2,605,328, July 29.
Flexible window screen. S. F. Drozt. 2,598,770, June 3.
Flexibly mounting panels. J. P. Pearse. 2,608,279, Aug. 26.
Filer. M. C. McDermott. 2,583,516, Jan. 22.
Flier. F. W. Wild. 2,599,356, June 3.
Flier construction. M. J. McHale. 2,588,266, Mar. 4.
Filer for unwinding cakes and other packages. W. C. Hanse. 2,602,606, July 8.
Flier mechanism for toroidal coil winding machines. R. H. McCarthy. 2,588,139, Mar. 4.
Flight component for ground vehicles adapted to be airborne. T. P. Hall. 2,619,301, Nov. 25.
Flight control apparatus. G. L. Von Eschen. 2,617,615, Nov. 11.
Flight control apparatus for aircraft. J. M. Slater. 2,595,309, May 6.
Flight controller for automatic pilot. F. H. S. Rossire. 2,614,776, Oct. 21.
Flight controller for automatic pilots. F. H. S. Rossire. 2,616,305, Nov. 4.
Flight conveyer installation. H. W. Hapman. 2,616,438, Nov. 4.
Flight indicating system for dirigible craft. S. Kellogg. 2nd. 2,613,350, Oct. 7.
Flight trainer. H. P. Wicklund. 2,591,752, Apr. 8.
Flight training apparatus. C. W. Soule. 2,592,968, Apr. 15.
Fly ash arrester. W. B. McBurney. 2,588,138, Mar. 4.
Fly box. D. C. Corkran. 2,596,214, May 13.
Fly construction for garments. S. F. Stein. 2,607,922, Aug. 26.
Fly holder. W. T. Neiman. 2,610,430, Sept. 16.
Fly rod reel. P. A. Smith and L. Hopps. 2,598,846, June 3.
Fly rod spinning reel. H. B. Haase. 2,597,318, May 20.
Fly screen. J. Bell. 2,600,192, June 10.
Fly swatter. T. C. Martin. 2,618,882, Nov. 25.
Flywheel energy storage system, particularly for electric vehicles. B. Storsand. 2,589,454, Mar. 18.
Flywheel housing. O. E. Glover. 2,593,020, Apr. 15.
Flywheel magneto. A. L. Brownlee. 2,583,466, Jan. 22.
Flywheel rotating device. H. Stuwe. 2,586,185, Feb. 19.
Flywheel system. S. D. Livingston. 2,600,552, June 17.
Flywheel tool. J. A. Riordan. 2,597,376, May 20.
Flying spot scanning of continuously moving film. G. E. Condliffe, M. G. Harker, and W. P. Lucas. 2,622,147, Dec. 16.
Flying target. C. R. Livermon. 2,620,189, Dec. 2.
Flint holder. G. J. Maurice. 2,605,944, Aug. 5.
Flip-flop circuit for operating a switch. R. B. Buchner. 2,616,980, Nov. 4.
Flip-flop stage control circuits. C. M. E. Masson. 2,611,085, Sept. 16.
Flip-open disconnecting switch. G. F. Lincks. 2,617,908, Nov. 11.
Float and line retriever. F. J. Busher. 2,594,120, Apr. 22.
Float and mercury switch, Combined. C. J. Koch, Jr. 2,600,659, June 17.
Float device. R. F. Edgar and L. Levine. 2,596,666, May 13.
Float drive mechanism for liquid level indicators. W. O. Davis. 2,586,619, Feb. 19.
Float marker. J. E. Lawson. 2,595,531, May 6.
Float operated control. W. S. Stutzman. 2,588,667, Mar. 11.
Float-operated draining device. A. Bienaimé. 2,590,495, Mar. 25.
Float operated measuring valve. J. C. Parson. 2,613,686, Oct. 14.
Float-operated mechanism. L. C. Barling and G. R. Beith. 2,615,174, Oct. 28.
Float operated switch. A. T. McNea. 2,613,294, Oct. 7.
Float operated valve. T. E. Crockett. 2,614,579, Oct. 21.
Float-switch assembly. D. H. MacDonald. 2,616,003, Oct. 28.
Floatable breakwater. P. L. Guarin. 2,584,867, Feb. 5.
Floater lock chamber. A. Černocký. 2,608,827, Sept 2.
Floating cooling device for bulk liquids. P. Minghetti. 2,612,762, Oct. 7.
Floating cover. M. A. Lamb. 2,616,586, Nov. 4.
Floating cutter bar for harvesters. R. D. Downing and C. C. Evers. 2,599,438, June 3.
Floating drive connection for metering pumps. A. A. Nichols. 2,588,653, Mar. 11.
Floating expansion reamer. C. W. Harris. 2,623,420, Dec. 30.
Floating fish bag. W. E. Roberts. 2,603,028, July 15.
Floating liquid-liquid separator. W. O. Small. 2,608,300, Aug. 26.
Floating roof, Double-deck. C. M. Orr and F. L. Goldsby. 2,586,856, Feb. 26.
Floating roof seal. F. L. Goldsby and C. M. Orr. 2,586,813, Feb. 26.
Floating roof tank gauge. H. A. Quist. 2,587,525–6, Feb. 26.
Floating tank roof. J. H. Wiggins. 2,606,684, Aug. 12.
Floating tank roof. J. H. Wiggins. 2,614,717, Oct. 21.
Flotation apparatus. K. L. Tatman. 2,614,821, Oct. 21.
Flotation machine. R. Dering. 2,609,097, Sept. 2.
Flotation of siliceous impurities from mineral-bearing material. W. A. Hodges. 2,599,530, June 10.
Flocculating system. F. E. Stuart. 2,596,082, May 6.
Floodlight with watertight passageway for wiring, Pivoted. P. G. Stone. 2,587,917, Mar. 4.
Flooding control for ships. W. R. Laurenson. 2,596,417, May 13.
Floor chipping machine. J. H. Meyer. 2,606,012, Aug. 5.
Floor cleaning device employing liquid, Suction operated. F. K. Minerley. 2,607,068, Aug. 19.
Floor covering rubber composition. R. Houwink and W. J. K. Schönlau. 2,603,668, July 15.
Floor cutting heater and method. M. A. Yakubik. 2,622,680, Dec. 23.
Floor drive line conveyer. J. Boyko and E. W. McCaul. 2,621,610, Dec. 16.
Floor furnace. H. L. Giwosky. 2,614,554, Oct. 21.
Floor furnace in partition space. O. N. Simmons and V. R. Van Zandt. 2,622,806, Dec. 23.
Floor furnace valve. C. S. Stuckenholt. 2,584,937, Feb. 5.
Floor hoist, Portable. R. R. Dague. 2,610,744, Sept. 16.
Floor illuminating fixture having a hinged lamp support and a hinged reflector, Built-in. P. W. Nettesheim. 2,587,371, Feb. 26.
Floor jack. M. Wiggins. 2,582,065, Jan. 15.
Floor-laying tool. W. A. Miller. 2,588,401, Mar. 11.
Floor mopping machine, Endless mop belt type. J. N. Georgas. 2,601,690, July 1.
Floor polishing compositions. E. C. Chapin and L. E. Weeks. 2,606,165, Aug. 5.
Floor processing apparatus. W. S. Finnell. 2,600,233, June 10.
Floor rack. E. C. Jahn. 2,603,169, July 15.
Floor rack. J. S. Lundvall. 2,607,301, Aug. 19.
Floor sander. G. F. Dwyer. 2,588,707, Mar. 11.
Floor sanding machine. W. E. Holt. 2,596,689, May 13
Floor sanding machine. D. M. Rose. 2,618,914, Nov. 25
Floor section for refrigerator vehicles, Extruded. J. J. Black. 2,615,751, Oct. 28.
Floor structure. J. C. Leemhuis. 2,602,323, July 8.
Floor structure for railway freight cars. H. E. Osborn. 2,587,754, Mar. 4.
Floor truck overhead conveyer drive. J. B. Webb and E. W. McCaul. 2,601,477, June 24.

Floor washing, sanding, oiling, and polishing machine, Combination. O. L. Bye. 2,621,350, Dec. 16.
Floor waxing device. C. M. Sinnard. 2,583,446, Jan. 22.
Flooring. G. Kahr. 2,605,513, Aug. 5.
Flooring composition of blown petroleum residue and asbestos fiber. H. W. Lawson. 2,599,264, June 3.
Flooring jack. L. H. Lab. 2,589,404, Mar. 18.
Flooring sanding machine. J. E. Swalinkavich, Jr. 2,598,080, May 27.
Flooring strip finishing machine. I. F. Dittmar. 2,594,746, Apr. 29.
Floral display, Immersed. C. E. Bussert. 2,601,658, June 24.
Floral spray. F. C. Braun. 2,618,901, Nov. 25.
Flow control. W. W. Walton and R. C. Bowers. 2,610,300, Sept. 9.
Flow control assembly for closed hydraulic conduits. C. S. Brown. 2,603,451, July 15.
Flow control device. H. L. Blum. 2,581,748, Jan. 8.
Flow control device. C. E. Golden and O. L. Notley. 2,622,615, Dec. 23.
Flow control device. E. J. Kraft. 2,593,315, Apr. 15.
Flow control device. W. C. Miller. 2,607,369, Aug. 19.
Flow control device. W. J. Stampfl. 2,589,888, Mar. 18.
Flow control means for pulse jet combustion units. G. F. Wislicenus. 2,618,925, Nov. 25.
Flow control unit. H. Allen. 2,614,795, Oct. 21.
Flow control valve. R. A. Arthur. 2,608,985, Sept. 2.
Flow control valve. A. U. Bryant. 2,608,209, Aug. 26.
Flow control valve. H. Kirkham. 2,603,235, July 15.
Flow control valve. W. B. Mahoney, Jr. 2,591,274, Apr. 1.
Flow controlled water heater. A. J. Burklin. 2,583,814, Jan. 29.
Flow controlling device. G. E. Renfro. 2,580,595, Jan. 1.
Flow distribution apparatus. P. R. Babcock. 2,619,892, Dec. 2.
Flow dividing apparatus. J. Hoekstra. 2,583,177, Jan. 22.
Flow equalizing system. M. R. Rowe and F. J. Wiegand. 2,622,610, Dec. 23.
Flow indicator. A. Kehm. 2,580,928, Jan. 1.
Flow line sampler. R. M. Langsenkamp and J. M. Trimble. 2,589,712, Mar. 18.
Flow measuring device. J. Agin. 2,619,076, Nov. 25.
Flowmeter. E. C. Babson, R. R. Ormsby, and M. C. Turner. 2,607,221, Aug. 19.
Flowmeter. C. E. Cox. 2,604,784, July 29.
Flowmeter. W. J. Kinderman. 2,617,300, Nov. 11.
Flowmeter. C. Mannal. 2,594,668, Apr. 29.
Flowmeter. J. M. Pearson. 2,605,638, Aug. 5.
Flowmeter. T. van Oosterom. 2,623,389, Dec. 30.
Flowmeter, Fluid. D. H. Greene. 2,581,588, Jan. 8.
Flowmeter, Magnetic. R. A. Broding. 2,583,724, Jan. 29.
Flowmeter, Mass rate. J. B. Turner, Jr. 2,591,478, Apr. 1.
Flowmeter, Pressure. W. D. Macgeorge. 2,609,831, Sept. 9.
Flowmeter, Thermal. E. T. Booth, Jr. 2,594,618, Apr. 29.
Flowmeter, Thermal. M. A. Picciano. 2,591,195, Apr. 1.
Flow metering device. J. B. Meriam. 2,621,515, Dec. 16.
Flow proportioning apparatus. W. E. Renick. 2,593,185, Apr. 15.
Flow regulating valve. F. T. Harrington. 2,583,296, Jan. 22.
Flow regulator. J. Mercier. 2,583,384, Jan. 22.
Flow regulator and float valve assembly. R. H. Hunter. 2,619,122, Nov. 25.
Flow regulator, pressure relief valve and the like. R. E. Krueger, III. 2,598,274, May 27.
Flow-responsive electrical switch means. D. H. MacDonald and E. A. Poe. 2,600,309, June 10.
Flow restrictor. G. W. Allen and V. N. Tramontini. 2,602,468, July 8.
Flow tube differential pressure producer. V. Gentile, Jr. 2,605,639, Aug. 5.
Flow tube differential pressure producer. V. Gentile, Jr. 2,617,301, Nov. 11.
Flower box. W. M. Perdue. 2,615,589, Oct. 28.
Flower box and house marker, Combination. C. Goyette. 2,580,671, Jan. 1.
Flower display package. I. W. Bianchi. 2,583,927, Jan. 29.
Flower snips. J. D. Arrowsmith. 2,582,472, Jan. 15.
Flower mounting. A. A. Robbins. 2,593,797, Apr. 22.
Flowerpot cover. R. H. Albertson. 2,606,106, Aug. 5.
Flowerpot stand. R. M. Koch. 2,591,362, Apr. 1.
Flue cooling arrangement for cooling refrigeration units. L. W. Atchison. 2,606,429, Aug. 12.
Fluid actuated clutch. R. E. Sanford. 2,589,291, Mar. 18.
Fluid actuated control valve. G. O. Kimmell. 2,601,531, June 24.
Fluid actuated double-acting submersible pump. B. F. Schmidt. 2,606,500, Aug. 12.
Fluid actuated electric circuit breaker. H. N. Schneider. 2,598,446, May 27.
Fluid actuated motor control valving. G. T. Randol. 2,590,122, Mar. 25.
Fluid actuated pressure device. J. Dungler. 2,623,361, Dec. 30.
Fluid-actuated reciprocating shower. S. Mahon. 2,612,876, Oct. 7.
Fluid actuated regulator. A. R. Worster. 2,602,429, July 8.
Fluid actuated sawmill dogging mechanism. B. W. Taube. 2,604,911, July 29.
Fluid-actuated servomotor control valve system. G. T. Randol. 2,592,600, Apr. 15.
Fluid actuated suspension device for vehicles, aircraft, and the like. W. W. Marston and F. Neale. 2,620,182, Dec. 2.
Fluid applicator, Manually operated. C. E. Vanasse. 2,611,914, Sept. 30.
Fluid bed operation. H. M. Cyr, C. W. Siller, and T. F. Steele. 2,621,118, Dec. 9.
Fluid bladeless turbine. B. W. Dennis. 2,598,678, June 3.
Fluid circulation controls for rotary pump and turbine fluid couplings. J. E. Becker. 2,582,952, Jan. 22.
Fluid clutch with servo engagement. R. Lapsley. 2,597,502, May 20.
Fluid compressing apparatus. B. S. Aikman. 2,608,342, Aug. 26.
Fluid conducting means. H. Warp. 2,582,515, Jan. 15.
Fluid conduit heating means. R. A. Thompson. 2,599,671, June 10.
Fluid contact apparatus. E. G. Gettins. 2,622,859, Dec. 23.
Fluid content indicator for cigarette lighters. H. Lewis. 2,605,634, Aug. 5.
Fluid control apparatus. C. F. Abresch. 2,587,080, Feb. 26.
Fluid control apparatus. C. G. Moller. 2,622,609, Dec. 23.
Fluid control apparatus. R. M. Witt. 2,582,091, Jan. 8.
Fluid control device. F. R. McFarland, H. L. Misch and J. E. Foley. 2,588,140, Mar. 4.
Fluid control mechanism for driving winding machines. J. H. White. 2,599,795, June 10.
Flow control of particles in fluidized processing. J. Beam. 2,584,378, Feb. 5.
Fluid control system. R. R. Crookston. 2,587,444, Feb. 26.
Fluid control system. A. J. Miller. 2,580,691, Jan. 1.
Fluid control valve. S. E. Campbell. 2,583,357, Jan. 22.
Fluid control valve. L. H. Gardner. 2,606,739, Aug. 12.
Fluid control valve. W. L. Harbaugh. 2,593,538, Apr. 22.
Fluid control valve. H. E. Henriksen. 2,600,872, June 17.
Fluid control valve. E. Paille. 2,586,249, Feb. 19.
Fluid control valve. W. A. Ray. 2,613,682, Oct. 14.
Fluid control valve. W. A. Ray. 2,622,622, Dec. 23.
Fluid controlled retarding apparatus. A. O. Grooms. 2,606,631, Aug. 12.
Fluid controlled switch. M. T. Richards. 2,616,004, Oct. 28.
Fluid-cooled and insulated windings. J. L. Boyer. 2,605,312, July 29.
Fluid cooling of reciprocating piston. E. E. Chatterton. 2,621,638, Dec. 16.
Fluid coupling element. O. M. Koskinen. 2,599,461, June 3.
Fluid coupling mounting. A. J. Syrovy. 2,588,668, Mar. 11.
Fluid damped resilient mounting. N. E. Lee. 2,582,998, Jan. 22.
Fluid directing device for reaction jet nozzle. R. J. Imbert. 2,620,623, Dec. 9.
Fluid dispenser. G. F. Kraus. 2,613,108, Oct. 7.
Fluid dispensing apparatus. D. S. Willson and J. C. Woodford. 2,617,234, Nov. 11.
Fluid dispensing container. P. A. MacPhee. 2,603,387, July 15.
Fluid dispensing device. H. W. Taylor. 2,606,064, Aug. 5.
Fluid dispensing valve. H. C. Olson. 2,603,397, July 15.
Fluid displacement device. V. D. Barker. 2,617,360, Nov. 11.
Fluid distributing apparatus. L. Lee, II. 2,601,849, July 1.
Fluid distribution system. R. R. Freund and W. H. Creel. 2,594,762, Apr. 29.
Fluid distributor for vessels. R. J. Yoder. 2,611,685, Sept. 23.
Fluid driven actuator for tools. L. C. Miller. 2,612,140, Sept. 30.
Fluid ejector system and valve therefor. G. F. Smedes. 2,605,708, Aug. 5.
Fluid engaged and spring released clutch. F. E. Munschauer. 2,620,054, Dec. 2.
Fluid engine. E. E. Bidwell. 2,588,342, Mar. 11.
Fluid feeding apparatus. A. E. Geiger and H. Onall. 2,619,274, Nov. 25.
Fluid filtering and metering unit. W. Kasten. 2,601,616, June 24.
Fluid flow control. D. K. Busick. 2,601,966, July 1.
Fluid flow control apparatus. D. H. Annin. 2,599,534, June 10.
Fluid flow control apparatus. L. Lee, II. 2,623,539, Dec. 30.
Fluid-flow control device and system. S. Crum and H. T. Sparrow. 2,611,542, Sept. 23.
Fluid flow control system. C. B. Graham. 2,619,107, Nov. 25.
Fluid flow control valve. W. T. Stephens. 2,608,986, Sept. 2.
Fluid flow gauge. G. R. Gilbert. 2,618,974, Nov. 25.
Fluid flow measuring apparatus. D. P. Eckman. 2,606,445, Aug. 12.
Fluid flowmeter. J. Johnston and J. C. Vaaler. 2,595,385, May 6.

Fluid-flow responsive electrical switch device. D. H. MacDonald and E. A. Poe. 2,600,011, June 10.
Fluid flow sight glass. J. Askin. 2,594,113, Apr. 22.
Fluid for drilling wells. G. K. Jones. 2,605,222, July 29.
Fluid friction reducer. P. Kollsman. 2,609,139, Sept. 2.
Fluid fuse. A. J. Mellert. 2,615,675, Oct. 28.
Fluid gasket sealing composition. C. M. White. 2,613,161, Oct. 7.
Fluid handling conduit, Adjustable. D. C. Warren. 2,587,938, Mar. 4.
Fluid handling mechanism. J. W. Overbeke. 2,620,736, Dec. 9.
Fluid handling swivel joint. D. C. Warren. 2,580,626, Jan. 1.
Fluid heater. T. H. Sherman. 2,604,084, July 22.
Fluid heater control. P. R. Grossman. 2,616,678, Nov. 4.
Fluid heater control system. I. Harter. 2,607,576, Aug. 19.
Fluid heater unit. G. A. Taylor. 2,599,594, June 10.
Fluid heating system, including a heat pump. D. W. McLenegan. 2,619,326, Nov. 25.
Fluid impact pulverizer. W. A. Thomas. 2,602,595, July 8.
Fluid impervious carbon article and making same. L. L. Winter. 2,597,963–4, May 27.
Fluid ingress location in wells. R. E. Hartline and R. P. Murphy. 2,595,578, May 6.
Fluid ingress location in wells. D. Silverman and R. E. Hartline. 2,595,610, May 6.
Fluid leakage gauging device. W. F. Aller. 2,593,957, Apr. 22.
Fluid level control. A. A. Ashton and H. C. C. Lammermann. 2,619,984, Dec. 2.
Fluid level indicator. D. Sebastian, B. J. Heggen, and R. H. Hampton. 2,602,848, July 8.
Fluid level responsive device. L. J. Kmiecik. 2,583,952, Jan. 29.
Fluid magnetic clutch. B. A. Waderlow and W. S. Horton. 2,614,668, Oct. 21.
Fluid measuring and dispensing apparatus. J. G. A. M. J. Meyer and R. L. Rambert. 2,590,440, Mar. 25.
Fluid meter. R. Menkemeller. 2,599,514, June 3.
Fluid meter. F. A. Ryder and M. H. Weeks. 2,590,275, Mar. 25.
Fluid meter temperature compensating means. A. J. Granberg. 2,607,224, Aug. 19.
Fluid mixing device. C. L. Barker. 2,585,726, Feb. 12.
Fluid mixing valve. F. E. Obermaier. 2,620,134, Dec. 2.
Fluid-modified mounting. L. F. Thiry. 2,582,363, Jan. 15.
Fluid motor. V. E. Anderson. 2,595,119, Apr. 29.
Fluid motor. F. A. Bluhm. 2,594,856, Apr. 29.
Fluid motor. R. Deibel. 2,612,874, Oct. 7.
Fluid motor and expansible gas engine, Combined. C. B. Bright. 2,601,756, July 1.
Fluid motor assembly. C. R. Button. 2,594,288, Apr. 29.
Fluid motor mechanism for windshield wiper systems. R. B. Bell. 2,602,430, July 8.
Fluid motor mechanism with reversing means. J. A. Blair. 2,616,401, Nov. 4.
Fluid motor operated toy vehicle. G. Weiss. 2,596,000, May 6.
Fluid-operable control mechanism for variable delivery fluid pumps. W. R. Tucker. 2,614,500, Oct. 21.
Fluid operable motor embodying annular series of opposed coaxial cylinders and pistons. J. E. Morton. 2,614,540, Oct. 21.
Fluid operable shutter release. K. C. De Groff. 2,615,379, Oct. 28.
Fluid operated clutch. C. F. Ball. 2,593,521, Apr. 22.
Fluid operated clutch. C. Gerst. 2,586,220, Feb. 19.
Fluid-operated means for regulating the supply of liquid fuel from a pump to a prime mover. R. J. Ifield. 2,621,630, Dec. 16.
Fluid operated measuring or control apparatus. W. B. Heinz. 2,589,251, Mar. 18.
Fluid-operated power system. E. M. Greer and J. Mercier. 2,583,295, Jan. 22.
Fluid operated press construction. A. McDonald. 2,608,064, Aug. 26.
Fluid operated pump head. C. J. Coberly. 2,620,739, Dec. 9.
Fluid operated reciprocating piston type windshield wiper motor. C. R. Sacchini. 2,584,229, Feb. 5.
Fluid operated speed governor. J. G. Sharp and R. E. Ingham. 2,594,689, Apr. 29.
Fluid operated windshield wiper motor. L. J. Carey. 2,621,634, Dec. 16.
Fluid packing seal. F. E. Bonner and H. Nack. 2,606,046, Aug. 5.
Fluid power actuator. M. V. Groves. 2,596,238, May 13.
Fluid power conversion apparatus. J. G. Walter. 2,612,873, Oct. 7.
Fluid power transmission. S. Mayner. 2,601,045, June 17.
Fluid power transmission. S. Mayner. 2,623,407, Dec. 30.
Fluid power transmission. E. J. Thurber. 2,616,534, Nov. 4.
Fluid power transmitting device. J. R. Lemon. 2,599,336, June 3.
Fluid pressure actuated clutch. W. G. Wilson. 2,583,919, Jan. 29.
Fluid pressure actuated motor. L. Larson and B. T. Berge. 2,619,938, Dec. 2.
Fluid pressure actuated reversing valve for hydraulic rams. W. Ernst. 2,614,539, Oct. 21.
Fluid pressure actuated switch. G. H. Hansen. 2,598,536, May 27.
Fluid pressure actuated valve. J. S. Page and J. S. Page, Jr. 2,619,120, Nov. 25.
Fluid pressure and mechanical bearing for gas turbine engines, Combined. P. Gérard. 2,623,353, Dec. 30.
Fluid pressure apparatus and valve means therefor. H. L. Burns. 2,615,463, Oct. 28.
Fluid pressure assembly. B. P. Baker, E. Frisch, and H. M. Wilcox. 2,602,868, July 8.
Fluid pressure booster through differential lever and equivalent structure. J. W. Rowland. 2,610,469, Sept. 16.
Fluid pressure brake apparatus. E. G. Erson. 2,584,794, Feb. 5.
Fluid pressure brake equipment. S. L. Williams and J. W. Rush. 2,591,224, Apr. 1.
Fluid pressure clutch-actuating means for motor vehicles. R. H. Hill. 2,590,012, Mar. 18.
Fluid pressure compensating means for hydraulic governors. A. H. Rodeck and A. G. Massey. 2,623,504, Dec. 30.
Fluid pressure control apparatus. H. C. May and R. R. Stevens. 2,594,576, Apr. 29.
Fluid pressure control apparatus. B. R. Nichols. 2,612,838, Oct. 7.
Fluid pressure control apparatus for free piston machines. A. J. Bent. 2,608,052, Aug. 26.
Fluid pressure control mechanism. R. H. Casler. 2,593,103, Apr. 15.
Fluid pressure control valve. W. Ernst. 2,600,746, June 17.
Fluid pressure controlled flexible tube valve. D. H. Annin. 2,622,620, Dec. 23.
Fluid pressure controlled switch mechanism. M. Garancher. 2,617,905, Nov. 11.
Fluid pressure controlling mechanism. B. Jorgensen. 2,591,827, Apr. 8.
Fluid pressure device for cleaning rifled gun bores and chambers. M. R. Dyer. 2,601,691, July 1.
Fluid pressure differential responsive cutoff valve. H. C. Otis. 2,588,284, Mar. 4.
Fluid pressure discharge apparatus. C. Weber. 2,599,304, June 3.
Fluid pressure indicator. J. L. Gratzmuller. 2,597,724, May 20.
Fluid pressure measurement. J. R. Keeling, Jr. 2,618,157, Nov. 18.
Fluid pressure measuring apparatus. J. H. Moore. 2,593,169, Apr. 15.
Fluid pressure measuring apparatus. M. B. Rappaport. 2,600,324, June 10.
Fluid pressure motor. R. R. Stevens. 2,604,878, July 29.
Fluid pressure multiple clutch control equipment. R. R. Stevens. 2,598,023, May 27.
Fluid pressure operated actuator. F. W. Meredith and D. W. Righton. 2,605,615, Aug. 5.
Fluid pressure operated flow control valve. W. B. Bolger. 2,612,186, Sept. 30.
Fluid pressure operated inflation control valve. A. W. Spicer. 2,623,533, Dec. 30.
Fluid pressure operated motor. W. A. Ray. 2,620,628, Dec. 9.
Fluid pressure operated motor. W. Stelzer. 2,587,403, Feb. 26.
Fluid pressure operated multiway valve. F. J. Warcup. 2,619,119, Nov. 25.
Fluid pressure-operated piston assembly. A. E. Weigele. 2,612,871, Oct. 7.
Fluid pressure operated portable compressing tool. H. P. Dupre. 2,600,860, June 17.
Fluid pressure power control valve mechanism for two-way systems. F. C. Eastman. 2,602,671, July 8.
Fluid pressure producing device. G. Mattersdorf. 2,585,953, Feb. 19.
Fluid pressure regulating apparatus. D. W. Rau. 2,591,197, Apr. 1.
Fluid pressure regulator. W. J. Jacobsson. 2,612,728, Oct. 7.
Fluid pressure regulator. H. E. Karig. 2,601,439, June 24.
Fluid pressure regulator. F. Niesemann. 2,583,006, Jan. 22.
Fluid pressure regulator. M. J. Smith. 2,609,832, Sept. 9.
Fluid pressure relay. E. W. Fitch. 2,586,637, Feb. 19.
Fluid pressure relay for brake mechanisms. H. W. Trevaskis. 2,590,587, Mar. 25.
Fluid pressure released brake. P. H. and G. I. Danly, and V. Georgeff. 2,584,192, Feb. 5.
Fluid pressure sealing means. J. Skopic. 2,601,995, July 1.
Fluid pressure sensitive gauge. E. X. Schmidt. 2,620,666, Dec. 9.
Fluid pressure surge device. C. D. Helm. 2,583,215, Jan. 22.
Fluid pressure system. F. E. Brady, Jr. 2,622,531, Dec. 23.
Fluid pressure timed cycle control apparatus. R. C. Brooks and F. S. Whaley. 2,619,073, Nov. 25.

Fluid pressure tool slide control assembly. R. D. Perry and R. H. Baumgardner. 2,605,751, Aug. 5.
Fluid processing apparatus. P. L. Pendleton. 2,612,860, Oct. 7.
Fluid proportioning apparatus. L. E. Mills. 2,618,510, Nov. 18.
Fluid proportioning device. A. J. Lubeley. 2,592,304, Apr. 8.
Fluid pulverizing apparatus. R. G. Anderson. 2,591,330, Apr. 1.
Fluid pump. T. M. Mock. 2,615,401, Oct. 28.
Fluid pump. J. H. O'Brien. 2,601,829, July 1.
Fluid pump drive. W. W. Paget. 2,603,980, July 22.
Fluid purifier. C. A. Winslow and J. J. Meyer. 2,583,522, Jan. 22.
Fluid purifying device. G. C. Fricke. 2,609,932, Sept. 9.
Fluid receptacle. E. W. Erikson. 2,597,715, May 20.
Fluid regulator. S. A. Jacques. 2,601,207, June 17.
Fluid sampler for well bores. M. W. Kriegel. 2,595,084, Apr. 29.
Fluid sampling equipment. H. B. Breedlove and H. G. Abbott. 2,608,866, Sept. 2.
Fluid seal. F. A. Helfrecht. 2,614,874, Oct. 21.
Fluid seal assembly. E. F. Jirsa. 2,611,671, Sept. 23.
Fluid seal for rotatable shafts. M. J. Neuner. 2,616,730, Nov. 4.
Fluid seal packing. K. H. Knight. 2,590,017, Mar. 18.
Fluid stabilizing means for hydraulic control systems. J. B. Whitted. 2,592,221, Apr. 8.
Fluid swept ball mill with ball moving rotor and stationary drum. E. D. Phillips. 2,621,859, Dec. 16.
Fluid temperature control device. V. L. Streeter. 2,610,795, Sept. 16.
Fluidtight casing, especially for watches. H. Colomb. 2,621,468, Dec. 16.
Fluidtight vertical bearing. G. H. Trede 2,601,731, July 1.
Fluid transfer system and apparatus. W. J. Turenne and C. W. Walter. 2,602,628, July 8.
Fluid transmission. J. R. Cook. 2,618,367, Nov. 18.
Fluid transmission. W. F. Grattan. 2,616,537, Nov. 4.
Fluid transmission. J. Jandasek. 2,607,456, Aug. 19.
Fluid treating helically advancing threads. T. S. Mayner. 2,583,515, Jan. 22.
Fluid turning blade. D. J. Clarke. 2,613,911, Oct. 14.
Fluid type catalytic reaction chamber and operating same. L. B. Goodson and J. A. Guyer. 2,606,097, Aug. 5.
Fluid valve. L. S. Barksdale. 2,606,569, Aug. 12.
Fluid valve. V. A. Larsen. 2,601,967, July 1.
Fluid valve. D. H. Reeves. 2,591,292–3, Apr. 1.
Fluidifying mixtures mainly comprising highly polymerized polyvinyl acetates. K. Elias. 2,584,852, Feb. 5.
Fluidized carbonization of solids. F. A. Howard. 2,582,712, Jan. 15.
Fluidized carbonization process. K. J. Nelson. 2,582,711, Jan. 15.
Fluidized conversion and coking of heavy petroleums. F. W. Leffer. 2,606,144, Aug. 5.
Fluidized distillation of shale. H. Z. Martin and F. T. Barr. 2,589,109, Mar. 11.
Fluidized shale distillation. C. E. Jahnig. 2,618,588, Nov. 18.
Fluidized solids contacting apparatus. E. V. Murphree. 2,612,438, Sept. 30.
Fluidizing slag in the manufacture of steel by open-hearth and electric furnace processes. J. J. Bowden. 2,597,851, May 27.
Fluorescent agents. P. E. Hoch and W. H. Libby. 2,589,519, Mar. 18.
Fluorescent agents. W. W. Williams and H. B. Freyermuth. 2,623,064, Dec. 23.
Fluorescent coating method. H. R. Schoenfeldt. 2,619,472, Nov. 25.
Fluorescent discharge lamp. N. C. Beese. 2,622,221, Dec. 16.
Fluorescent lamp. A. F. Koehler. 2,581,959, Jan. 8.
Fluorescent lamp bulb breaking device. E. H. Tellier. 2,620,988, Dec. 9.
Fluorescent lamp circuit. L. G. Legorreta, E. Posada, and F. Camarena. 2,593,576, Apr. 22.
Fluorescent lamp coating. J. J. Benes, Jr. 2,621,997, Dec. 16.
Fluorescent lamp retainer. L. C. Doane. 2,595,515, May 6.
Fluorescent light screen. E. Yellin. 2,607,455, Aug. 19.
Fluorescent optical bleaching agents. S. E. Krahler. 2,600,004, June 10.
Fluorescent screen. H. W. Goodrick. 2,623,181, Dec. 23.
Fluorescent screens, Producing. P. L. Spencer. 2,601,178, June 17.
Fluorescent tube lighting system and apparatus. J. H. Bridges. 2,611,885, Sept. 23.
Fluorescent zinc oxide, Making. B. L. Hirsch. 2,585,461, Feb. 12.
Fluorinated chlorocarbon compounds, Preparation of. J. K. Wolfe. 2,601,014, June 17.
Fluorinated compounds and producing same. P. E. Weimer. 2,596,084, May 6.
Fluorination process. R. D. Fowler and H. C. Anderson. 2,608,593, Aug. 26.
Fluorine-containing lubricant. A. N. Sachanen. 2,582,283, Jan. 15.
Fluorine-containing organosilicon compounds. L. W. Frost. 2,596,907, May 20.
Fluoroalkylphosphoric compounds. A. F. Benning. 2,597,702, May 20.
Fluorocarbon mono-iodides and method of making. J. H. Simons and T. J. Brice. 2,614,131, Oct. 14.
Fluorocarbon ortho esters. T. Holm. 2,611,787, Sept. 23.
Fluorocarbon tertiary amines. E. A. Kauck and J. H. Simons. 2,616,927, Nov. 4.
Fluorocarbon vinyl esters and polymers. T. S. Reid. 2,592,069, Apr. 8.
Fluorocarbons, Producing. R. D. Fowler, W. B. Burford, III, and H. C. Anderson. 2,585,644, Feb. 12.
Fluorometer for measurement of fluorescence of uneven surfaces. E. E. Bray. 2,593,391, Apr. 15.
Flush ball control tank. B. D. Stuvel. 2,585,513, Feb. 12.
Flush door. S. A. Fleet. 2,620,521, Dec. 9.
Flush handle type trailer door lock. A. R. Adams, E. D. Grizzard, and F. R. Collar. 2,622,430, Dec. 23.
Flush system for specific gravity measuring devices equipped with bubble tubes. C. M. Marquardt. 2,604,778, July 29.
Flush tank ball operator. G. R. Driskill. 2,580,531, Jan. 1.
Flush tank ball valve. H. F. Meltsner. 2,589,110, Mar. 11.
Flush tank deodorizer. R. T. Addlesburger. 2,620,486, Dec. 9.
Flush tank inlet valve. H. F. Smith. 2,598,195, May 27.
Flush tank inlet valve. H. F. Smith. 2,609,830, Sept. 9.
Flush tank lever. H. F. Smith. 2,584,931, Feb. 5.
Flush tank repair seat. S. M. Kass. 2,614,263, Oct. 21.
Flush tank valve. Y. H. Kurkjian. 2,607,924, Aug. 26.
Flush tank valve operating mechanism. H. Bachli and H. S. Shapiro. 2,588,072, Mar. 4.
Flush tank with float outlet valve, Hydropneumatic. C. Griffon. 2,589,691, Mar. 18.
Flush type toggle latch. A. F. Gander. 2,621,952, Dec. 16.
Flush valve. O. F. Culver. 2,583,999, Jan. 29.
Flush valve. L. E. Deruette. 2,613,690, Oct. 14.
Flush valve. C. D. Myer. 2,604,905, July 29.
Flush valve arrangement and installation. J. I. Bellamy. 2,590,147, Mar. 25.
Flush valve operating arrangement. J. J. Filliung. 2,612,179, Sept. 30.
Flushing cistern. J. L. Pegler. 2,615,173, Oct. 28.
Flushing cistern. B. Schrage, J. Wijsman, and H. van den Steenhoven. 2,593,061, Apr. 15.
Flushing device for outboard motors. O. B. Benson. 2,611,631, Sept. 23.
Flushing device for toilets. K. Beyrodt. 2,597,560, May 20.
Flushing tank. A. Dumigrón y Alzugary. 2,580,898, Jan. 1.
Flushing valve. E. M. Denham. 2,613,367, Oct. 14.
Flushing valve. S. O. Johns. 2,620,826, Dec. 9.
Fluted lamp shade construction having unitary fastening and shape-forming rings. H. E. Flint. 2,608,644, Aug. 26.
Flux dam for galvanizing kettles. L. W. Bechter. 2,580,394, Jan. 1.
Flux feed mechanism for cutting torches. J. B. La Pota. 2,608,446, Aug. 26.
Flux for lead burning and making same. J. H. Bowden. 2,596,466, May 13.
Fluxmeter and probe therefor. R. Fraser. 2,599,550, June 10.
Fluxmeter, Drift controlled. P. F. Elarde. 2,586,799, Feb. 26.
Flux powder control for flame cutting. A. F. Chouinard and J. F. Dove. 2,622,548, Dec. 23.
Fluxing apparatus. G. Komarek. 2,600,408, June 17.
Fluxing mechanism with movable flux applying tank. W. W. Maher. 2,619,064, Nov. 25.
Fluxing stick. F. D. McBride. 2,616,384, Nov. 4.
Foam breaker for submerged culture fermentor. H. Humfeld, E. Aeschlimann and J. R. Hoffman. 2,610,155, Sept. 9.
Foam generating apparatus. D. Conto. 2,585,092, Feb. 12.
Foam injection sprinkler system. H. N. Rider. 2,590,348, Mar. 25.
Foam injection sprinkler system with anticontamination 2,588,378, Mar. 11.
Foam-producing composition and preparing same. S. I. Kalkstein. 2,618,594, Nov. 18.
Foam stabilization. A. Frieden and H. H. Geller. connections. H. N. Rider. 2,590,349, Mar. 25.
Foam stabilizer and stabilizing foams. A. Frieden and H. H. Geller. 2,588,379, Mar. 11.
Foamed gypsum composition. F. L. Chappell, Jr. 2,593,008, Apr. 15.
Foaming apparatus. G. A. Spencer. 2,581,918, Jan. 8.
Focused radial beam electron tubes. A. M. Skellett. 2,620,454, Dec. 2.
Focusing adjustment for binoculars. H. M. Harford. 2,602,371, July 8.
Focusing and centering device for cathode ray tubes. M. R. Heppner. 2,581,657, Jan. 8.
Focusing and illuminating device for cameras. E. J. Rossman and B. F. Bower. 2,581,300, Jan. 1.
Focusing arrangement, Automatic. K. G. Macleish. 2,596,702, May 13.

Focusing coil for cathode-ray tubes. B. C. Van Gilder. 2,594,099, Apr. 22.
Focusing device. J. P. Quam. 2,592,185, Apr. 8.
Focusing device. J. Von Berg and W. Volk. 2,595,495, May 6.
Focusing device for cathode-ray tubes, Magnetic. P. R. J. Court. 2,606,301, Aug. 5.
Focusing device, Permanent magnet. R. J. Parker. 2,608,665, Aug. 26.
Focusing view finder system. J. H. McLeod. 2,589,014, Mar. 11.
Foil feeder for printing or embossing machines. H. K. Wagar. 2,598,323, May 27.
Foil feeding and embossing mechanism for bottle capping and like machines. N. V. Burdin. 2,621,842, Dec. 16.
Fold catching mechanism for cloth piling machines. H. W. Springer. 2,615,712, Oct. 28.
Foldable and packagable window screen. S. J. Leverence. 2,619,168, Nov. 25.
Foldable basket carrier. I. A. Grimes. 2,583,644, Jan. 29.
Foldable cardboard bottle carrier. E. N. Castle. 2,586,301, Feb. 19.
Foldable chair. C. O. Larson. 2,587,176, Feb. 26.
Foldable chair. F. H. McClernon. 2,603,274, July 15.
Foldable chair. V. K. Wiesztort. 2,598,872, June 3.
Foldable closure. R. A. Brenner and M. J. Planeaux. 2,584,111, Feb. 5.
Foldable closure. M. J. Planeaux. 2,599,860, June 10.
Foldable door supporting clamp. W. J. Fordon. 2,621,687, Dec. 16.
Foldable gaff hook. R. E. Sly. 2,601,999, July 1.
Foldable ironing board. R. M. Cater. 2,594,123, Apr. 22.
Foldable pocket tool. J. Hopta. 2,617,187, Nov. 11.
Foldable reclining chair. G. K. Odén. 2,591,284, Apr. 1.
Foldable serving table. B. Mayer. 2,593,471, Apr. 22.
Foldable smoking pipe. J. A. Smith. 2,601,857, July 1.
Folded bag. A. G. F. Ramboid. 2,593,608, Apr. 22.
Folded delay line. N. W. Hancock and D. O. McCoy. 2,589,076, Mar. 11.
Folded sheet dispenser. A. F. Amerslav. 2,602,013, July 1.
Folder: *See*—
Miniature tube folder.
Folder, Advertising. S. R. Larzelere. 2,582,908, Jan. 15.
Folder, Carbon paper. G. R. Steele. 2,609,924, Sept. 9.
Folder, Filing. W. F. Losch, Jr. 2,599,768, June 10.
Folder for bills or the like and pocket construction. H. M. Herbener. 2,589,546, Mar. 18.
Folder for perforated tape. C. A. Tincher. 2,592,766, Apr. 15.
Folder for sewing machines. N. Bufardeci. 2,607,308, Aug. 19.
Folder shutter slat and folder shutter made thereby. G. Poggi. 2,586,561, Feb. 19.
Folding and filling machine. S. F. Anderson. 2,612,016, Sept. 30.
Folding and gathering means for books. E. K. Smith, Jr. 2,613,077, Oct. 7.
Folding and stacking chair. E. D. Oakes. 2,587,881, Mar. 4.
Folding auxiliary tray provided seat. A. Z. Boyajian. 2,604,143, July 22.
Folding box. W. A. Adams. 2,588,455, Mar. 11.
Folding box employing nonscorable sheeting. R. M. Bergstein. 2,619,275, Nov. 25.
Folding chair. E. W. and A. J. Anderson. 2,613,729–30, Oct. 14.
Folding chair. E. C. Booth. 2,608,240, Aug. 26.
Folding chair. R. G. Cudini. 2,590,164, June 3.
Folding chair. E. C. Hake. 2,589,372, Mar. 18.
Folding chair. L. L. and T. S. Kundtz. 2,620,859, Dec. 9.
Folding chair. R. K. Merrill, A. C. Hoven, and W. E. Nordmark. 2,620,019, Dec. 2.
Folding chair. G. B. Morse. 2,596,424, May 13.
Folding chair. A. F. Vanderminden. 2,618,317, Nov. 18.
Folding classification table. O. S. Allbritton. 2,601,357, June 24.
Folding clothes drier. V. E. Gleasman. 2,597,788, May 20.
Folding clothes drier. H. L. Griffin. 2,598,686, June 3.
Folding device. C. Kemp. 2,591,553, Apr. 1.
Folding device for carriages, applicable in particular to perambulators. P. Ollagnon. 2,582,152, Jan. 8.
Folding door. R. E. Miller. 2,614,627, Oct. 21.
Folding electric food mixer. T. F. Nelson. 2,599,275, June 3.
Folding extensible table. B. F. Hager. 2,609,263, Sept. 2.
Folding front section for trailer bodies. E. S. Grilley. 2,583,643, Jan. 29.
Folding gaff hook. E. Lisignoli. 2,600,510, June 17.
Folding lawn chair. A. E. Ellingson. 2,600,626, June 17.
Folding lunch box table. P. K. Raasch. 2,595,883, May 6.
Folding machine. C. Hess. 2,608,917, Sept. 2.
Folding machine. A. F. Shields. 2,583,712, Jan. 29.
Folding machine. A. F. Shields. 2,622,493, Dec. 23.
Folding machine, Box blank. W. P. Fergnani. 2,584,855, Feb. 5.
Folding metal deck chair. R. A. O'Neill. 2,600,374, June 10.
Folding metallic case. D. Cohen and E. Schreiner. 2,582,189, Jan. 8.
Folding pick. W. Johnson. 2,614,004, Oct. 14.
Folding push chair. G. Thomas. 2,588,896, Mar. 11.
Folding seat. D. E. Austin. 2,620,020, Dec. 2.
Folding seat. H. Wickham, E. F. Burton and E. G. Mason. 2,596,750, May 13.
Folding table. S. Aja and E. Quijano. 2,583,247, Jan. 22.
Folding table. E. C. Boyce. 2,618,523, Nov. 18.
Folding table. N. W. Munger. 2,588,405, Mar. 11.
Folding table. A. Wessig. 2,592,839, Apr. 15.
Folding tail gate. H. G. Troth and F. G. Dammann. 2,603,529, July 15.
Folding top extension table. A. Novick. 2,602,717, July 8.
Folding wing for aircraft. R. A. Robert. 2,596,436, May 13.
Foliage removing machine. J. A. Iucker and H. Huff. 2,618,112, Nov. 18.
Folic acid intermediates, Preparing. B. J. Magerlein and D. I. Weisblat. 2,606,905, Aug. 12.
Follow-focus system for cameras and the like. H. C. Silent. 2,618,209, Nov. 18.
Follow-up apparatus and system. R. Adler. 2,583,720, Jan. 29.
Follow-up apparatus and system. R. Adler. 2,623,943, Dec. 30.
Follow-up control. R. D. Owen. 2,595,165, Apr. 29.
Follower for card filing trays. C. M. Abrahamson. 2,585,612, Feb. 12.
Follower for file drawer. W. A. Dunlap. 2,607,352, Aug. 19.
Follower for posting trays. O. J. Larson. 2,616,432, Nov. 4.
Food can and heater attachment, Combination. A. F. Peyser. 2,604,089, July 22.
Food carrier assembly. C. F. Graff. 2,598,995, June 3.
Food catching apron for chairs. G. H. Caponera. 2,585,434, Feb. 12.
Food compositions and producing same. D. Melnick. 2,598,282, May 27.
Food container. H. J. Barnhard. 2,618,563, Nov. 18.
Food cooking apparatus. F. M. McBeth. 2,601,823, July 1.
Food cutting apparatus. A. Rodel and K. E. Schukraft. 2,583,595, Jan. 29.
Food dicer. W. G. Weeks. 2,611,404, Sept. 23.
Food dispensing device. M. Stranak and E. B. Linn. 2,619,117, Nov. 25.
Food guard. O. L. Landaal. 2,605,009, July 29.
Food handling device. C. V. Riddell and C. A. Niedrach. 2,601,766, July 1.
Food mixer. J. N. Polivka and G. T. Scharfenberg. 2,616,674, Nov. 4.
Food mixer. F. C. Schwaneke. 2,599,070, June 3.
Food mixer. W. van Guilder. 2,616,673, Nov. 4.
Food molding device. A. R. Rodacker. 2,611,250, Sept. 23.
Food package. F. W. Lindsey. 2,609,301, Sept. 2.
Food package. W. L. Morrison. 2,600,069, June 10.
Food packing rack and packing food articles. G. W. Stiehm. 2,605,187, July 29.
Food placer, Child's. R. A. Raines. 2,602,686, July 8.
Food preparing device. J. A. Russ. 2,609,024, Sept. 2.
Food processing apparatus. F. W. Krueger. 2,584,473–4, Feb. 5.
Food processing apparatus. W. A. Webb. 2,587,939, Mar. 4.
Food product from whey. J. P. Malkames, Jr. 2,585,951, Feb. 19.
Food saver. W. J. Schacht. 2,591,301, Apr. 1.
Food-slicing machine. N. M. Peterson. 2,604,132, July 22.
Food spear. J. J. Kroenlein. 2,619,371, Nov. 25.
Food supplement for animals and poultry. R. W. Hayes. 2,608,483, Aug 26.
Food tray rack. V. Lipari. 2,590,630, Mar. 25.
Food warmer, Electric. J. W. O'Brien. 2,616,021, Oct. 28.
Foot and leg rest. E. E. Enge. 2,615,503, Oct. 28.
Foot and leg rest for row seats. J. J. Mayer. 2,583,223, Jan. 22.
Foot and spring supported caster, Combined. R. A. Cramer. 2,613,389, Oct. 14.
Football practice apparatus. W. F. Burke and R. Connor. 2,602,666, July 8.
Foot conditioning apparatus. A. Hyde. 2,594,024, Apr. 22.
Foot dimmer switch operating mechanism. G. S. Ellithorpe. 2,604,793, July 29.
Foot enclosing device. W. T. Mattes. 2,619,744, Dec. 2.
Foot fastening device for garments. M. J. McGory. 2,605,472, Aug. 5.
Footgear, Antislipping. A. De Nitzio. 2,611,194, Sept. 23.
Foot lounge, Combination. W. A. Gross. 2,600,759, June 17.
Foot measuring device. E. Bowen. 2,618,066, Nov. 18.
Footrest, Adjustable. R. N. Owler. 2,591,598, Apr. 1.
Footrest and auxiliary throttle pedal for vehicles. G. C. Curtis. 2,618,171, Nov. 18.
Footrest attachment for chairs, Extensible. J. R. Martin. 2,604,146, July 22.
Footrest, Automobile. R. F. Kaeintz. 2,595,526, May 6.

Footrest for wheel chairs and the like, Adjustable. H. A. Everest and H. C. Jennings. 2,591,246, Apr. 1.
Footrest for wheel chairs, Detachable. H. A. Everest and H. C. Jennings. 2,601,889, July 1.
Footrest for wheel chairs, Removable. J. C. Miller. 2,592,449, Apr. 8.
Footrest, Horizontally movable. H. J. Earl. 2,602,490, July 8.
Footrest, Invalid's. A. H. Jones. 2,609,035, Sept. 2.
Footstool, ladder, seat, and storage chest, Combination. E. J. Knipper. 2,592,912, Apr. 15.
Foot support. F. F. Fisher. 2,601,509, June 24.
Foot support. W. M. Fuller. 2,600,864, June 17.
Foot-supporting means. H. C. Knellwolf. 2,586,057, Feb. 19.
Foot traction hitch. J. R. Siebrandt. 2,583,895, Jan. 29.
Footwear. L. M. Brunet. 2,588,801, Mar. 11.
Footwear. H. A. Webb. 2,596,188, May 13.
Footwear and making same. P. H. Margulis. 2,590,116, June 3.
Footwear having reflex light-reflecting areas, Rubber. R. R. Peterson. 2,607,130, Aug. 19.
Footwear identification plate. W. F. Smith. 2,616,189, Nov. 4.
Footwear, Knitted. M. E. Schaefer. 2,613,520, Oct. 14.
Footwear, Rubber. J. J. Marx and E. M. Davis. 2,617,208, Nov. 11.
Footwear, Sock-type. J. Hoza. 2,586,045, Feb. 19.
Footwear, Ventilated. R. T. Manning. 2,591,454, Apr. 1.
Footage indicator for motion-picture apparatus. E. S. McKee. 2,614,752, Oct. 21.
Footage indicator in a motion-picture camera viewer. L. Frankel. 2,585,451, Feb. 12.
Forage blower with pivoted feed trough. Q. C. Delsman and K. L. Surfus. 2,591,411, Apr. 1.
Forage unloader. C. J. Judeking. 2,600,008, June 10.
Force amplifying nut. G. G. Hyde. 2,583,775, Jan. 29.
Force cup for cleaning drain pipes and the like. E. L. Scott. 2,607,927, Aug. 26.
Force fitted case for single cells. W. C. Conklin. 2,608,595, Aug. 26.
Force gauge. T. H. Wiancko. 2,611,266, Sept. 23.
Force measuring apparatus. J. R. Stovall, Jr. 2,620,657, Dec. 9.
Force measuring device. H. G. Busignies. 2,601,259, June 24.
Force measuring device. P. C. Clarke. 2,612,042, Sept. 30.
Force measuring device. L. La Coste and A. Romberg. 2,589,709, Mar. 18.
Force measuring device. L. La Coste and J. B. and A. Romberg. 2,589,710, Mar. 18.
Force measuring device of the diaphragm type provided with a valve for automatically applying a balancing pressure to the diaphragm. A. A. Markson. 2,593,906, Apr. 22.
Force measuring system employing piezocapacitors. H. B. Hollmann. 2,614,416, Oct. 21.
Force transmission apparatus. W. H. D. Brouse. 2,601,083, June 17.
Force transmitting mechanism. E. R. Price. 2,620,674, Dec. 9.
Forced air flow air-heating furnace. A. J. Horn. 2,593,759, Apr. 22.
Forced air flow air heating furnace. P. Mueller. 2,619,082, Nov. 25.
Forced air flow air-heating furnace. H. A. Pietsch. 2,600,020, June 10.
Forced air flow unit air heating furnace. C. A. Scogin. 2,611,359, Sept. 23.
Forced air flow unit air-heating furnace. J. S. Zink. 2,620,787, Dec. 9.
Forced-air ventilating system for electrical devices. W. H. Cuttino. 2,619,521, Nov. 25.
Forced circulation boiler. J. W. Hood. 2,614,543, Oct. 21.
Forced draft gas burner. J. H. Jackson. 2,594,562, Apr. 29.
Forceps, Hysterectomy. M. Shellhouse. 2,583,892, Jan. 29.
Forceps with interchangeable beaks, Dental extracting. T. F. Prather. 2,600,803, June 17.
Forearm fracture traction applicator. R. K. Hart. 2,584,203, Feb. 5.
Forehearth construction. M. M. Cannon, Jr. 2,583,629, Jan. 29.
Forehearth cooled refractory channel joint. M. M. Cannon, Jr. 2,582,477, Jan. 15.
Forehearth roof structure. T. W. Griffin. 2,616,380, Nov. 4.
Forging. J. H. Friedman. 2,599,706, June 10.
Forging. M. P. Lefere. 2,587,864, Mar. 4.
Forging apparatus and control thereof. R. L. Alcorn, Jr. 2,615,306, Oct. 28.
Forging die. A. K. Nowak. 2,603,988, July 22.
Forging lubricant and using same. W. E. Ferner, G. Alexander, J. Robinson, and W. E. Streeter. 2,588,625, Mar. 11.
Fork and gripper, Culinary. R. E. Malone. 2,600,013, June 10.
Fork, Lobster. L. A. Williams. 2,607,988, Aug. 26.
Fork, Revolving spaghetti. P. Piche. 2,602,996, July 15.
Fork, Roasting. W. H. Ross. 2,619,896, Dec. 2.
Fork structure for lift trucks and hoists. L. D. Huffman. 2,609,113, Sept. 2.
Forked connecting member. F. Schaefer. 2,581,048, Jan. 1.
Form clamp. H. P. Neptune. 2,583,962, Jan. 29.
Form compensating means. H. R. Retter and C. R. Greene. 2,613,602, Oct. 14.
Form disjointer. C. E. Morris. 2,595,807, May 6.
Form dressing device. L. A. Beauchemin. 2,617,403, Nov. 11.
Form feeding mechanism for typewriters. A. H. Sharpe. 2,615,550, Oct. 28.
Form for and method of attaching garment sleeves. M. Rose. 2,618,417, Nov. 18.
Form for casting concrete walls. W. Hyre. 2,618,039, Nov. 18.
Form for molding concrete footings and walls. C. H. Shook. 2,614,311, Oct. 21.
Form for use in making brick packs. C. R. Friesner. 2,616,361, Nov. 4.
Form for use in making cement-fiber boards. A. Elmendorf. 2,591,414, Apr. 1.
Form for windings and the like. W. F. Stahl. 2,589,640, Mar. 18.
Form issuing apparatus. W. W. Harper and L. E. Gilbert. 2,612,976, Oct. 7.
Form-stable, rubberlike polyvinyl N-butyl ethers, Production of. A. O. Zoss. 2,609,364, Sept. 2.
Form tie for wall structures. J. L. Bracewell. 2,612,674, Oct. 7.
Formation and casing tester. T. B. Dunn. 2,589,606, Mar. 18.
Formation of an attrition-resistant Fischer-Tropsch catalyst. S. B. Sweetser, F. R. Russell, and E. R. Bucker. 2,623,021, Dec. 23.
Formation of a sulfurized halogenated aliphatic hydrocarbon. N. M. Schneider and R. M. Dean. 2,611,766, Sept. 23.
Formation of glass and other thermoplastic tubes. S. J. Everett. 2,601,744, July 1.
Formation of hot dip coatings, Method and apparatus for the. M. G. Whitfield and V. Sheshunoff. 2,604,415, July 22.
Formation of streptomycin azo salt from streptomycin fermentation broth. P. P. Regna and I. A. Solomons, III. 2,604,472, July 22.
Formation of terpene aryl ethers. L. J. Kitchen. 2,581,916, Jan. 8.
Formation tester. R. H. Blood. 2,581,070, Jan. 1.
Formation tester. J. H. Lane. 2,607,222, Aug. 19.
Formation tester. B. W. Sewell and G. H. Ramsey. 2,600,173, June 10.
Formation tester and pipe perforator. B. R. McKinley. 2,588,746, Mar. 11.
Formation tester and pipe perforator with control means therefor. B. R. McKinley. 2,601,122, June 17.
Formed counter construction for ballet slippers. L. Harris. 2,619,743, Dec. 2.
Formed stock flash removing machine. H. E. Morton. 2,602,378, July 8.
Forming a cavity resonator. D. Alpert, S. Krasik, and T. D. Holstein. 2,584,717, Feb. 5.
Forming a composite plastic structure. E. L. Danielson and F. J. Dofsen. 2,607,957, Aug. 26.
Forming a composite structure comprising a chrome-containing member. F. H. Mason. 2,609,598, Sept. 9.
Forming a food package. W. B. Kunz. 2,607,696, Aug. 19.
Forming a glaze on carbon. C. H. Prescott, Jr. 2,587,523, Feb. 26.
Forming a machining lubricant upon molybdenum. D. B. Bowen. 2,591,777, Apr. 8.
Forming a multipart plastic article. E. L. Danielson and F. J. Dofsen. 2,609,570, Sept. 9.
Forming a seam for uniting plies of sheet material. F. J. Bartosz. 2,593,090, Apr. 15.
Forming a sprayable synthetic rubber solution. C. H. Hempel. 2,582,991, Jan. 22.
Forming and applying thermoplastic closures to containers. L. T. Knocke. 2,608,334, Aug. 26.
Forming and curing plastic compounds. S. Du Pree. 2,615,203, Oct. 28.
Forming and utilizing electron-beams of noncircular cross section. L. E. Flory. 2,609,516, Sept. 2.
Forming and welding pins to metal parts. A. F. Pityo and H. Butterfield. 2,606,268, Aug. 5.
Forming apparatus for edible food products. G. J. Campbell. 2,599,894, June 10.
Forming articles such as patty pans from paper or other thin material. J. T. Williamson. 2,594,241, Apr. 22.
Forming articles such as spectacle frames. L. J. Moncrieff. 2,589,419, Mar. 18.
Forming beaded structure. M. F. Peters. 2,596,285, May 13.
Forming channels in thermoplastic materials. P. A. Williams. 2,582,368, Jan. 15.
Forming channels in thermoplastic materials. P. A. Williams. 2,622,279, Dec. 23.
Forming cigarette paper. M. O. Schur and R. M. Levy. 2,580,608, Jan. 1.

Forming circular cutters. M. J. Steffes. 2,589,451, Mar. 18.
Forming concrete pipes, Method and apparatus for. H. X. Eschenbrenner. 2,585,756, Feb. 12.
Forming continuous pipes. J. L. Reynolds. 2,605,202, July 29.
Forming damping structures. F. M. Le Compte. 2,581,193, Jan. 1.
Forming diaphragm valve bodies. J. B. Tiedemann. 2,616,164, Nov. 4.
Forming diaphragms. I. E. Coffey. 2,595,127, Apr. 29.
Forming dies. N. T. Hermann. 2,623,417, Dec. 30.
Forming dispersions. H. P. Wood. 2,597,422, May 20.
Forming electric accumulators. H. G. André. 2,594,714, Apr. 29.
Forming embossed rug cushions. J. C. Gordon. 2,585,108, Feb. 12.
Forming extensible and retractable cords. C. H. Judisch. 2,586,763, Feb. 19.
Forming fibers, Method and apparatus for. E. R. Powell. 2,605,500, Aug. 5.
Forming fibers, Method and apparatus for. G. Slayter and C. J. Stalego. 2,609,566, Sept. 9.
Forming fibers, Method and apparatus for. C. J. Stalego and W. W. Drummond. 2,603,833, July 22.
Forming filamentary articles. A. O. Ryan. 2,617,148, Nov. 11.
Forming filaments of metal salts of cellulose sulfate. J. B. Caldwell. 2,603,839, July 22.
Forming films. E. H. Land. 2,590,186, Mar. 25.
Forming fin vibration damper. P. N. Elliott. 2,581,845, Jan. 8.
Forming fine fibers, Method and apparatus for. E. R. Powell. 2,605,503, Aug. 5.
Forming fishing lures, flies, nymphs, and the product. L. Wulff. 2,596,457, May 13.
Forming flexible endless tubes. R. C. Bremer. 2,589,041, Mar. 11.
Forming flexible joints in belting. B. Tocci-Guilbert. 2,596,513, May 13.
Forming floor and ceiling structures. A. W. Bailey. 2,611,944, Sept. 30.
Forming foundry cores. R. S. Wolf. 2,583,036, Jan. 22.
Forming gel-free thermoplastic films, Method and apparatus for. G. Schneider and B. Andersen. 2,607,954, Aug. 26.
Forming glass beads, Method and apparatus for. C. C. Bland. 2,600,963, June 17.
Forming grinding wheels. C. L. Garrison. 2,584,862, Feb. 5.
Forming head for bread roll machines. J. Marziani. 2,612,850, Oct. 7.
Forming hollow articles. S. Porter. 2,588,571, Mar. 11.
Forming hollow cellulose ester articles. P. R. Hawtin. 2,597,098, May 20.
Forming hollow plastic. H. C. Engel, R. Raab and T. Pajak. 2,589,786, Mar. 18.
Forming ladder web slat supports for Venetian blinds, Method and apparatus for. H. W. Honeyman, Jr., and H. W. Honeyman, 3rd. 2,586,822, Feb. 26.
Forming laminated pressure vessels. D. B. Rossheim. 2,609,595, Sept. 9.
Forming laminated quilted material. B. Messing. 2,621,138, Dec. 9.
Forming lined container closures. D. L. Shanklin and R. C. Adams. 2,610,131, Sept. 9.
Forming machine. E. H. Schane. 2,588,663, Mar. 11.
Forming markings in tubular braided covers for vacuum cleaner tubes. E. Handel. 2,592,892, Apr. 15.
Forming means for profile grinding wheels. C. B. A. Porter. 2,591,964, Apr. 8.
Forming means for profile grinding wheels. C. B. A. Porter. 2,601,456, June 24.
Forming mechanism for composite sealing strips. W. S. Baker. 2,613,720, Oct. 14.
Forming nylon strip stock. E. E. Montross. 2,585,156, Feb. 12.
Forming paper can bodies. R. M. Dunning and R. Guyer. 2,580,665, Jan. 1.
Forming paper closure members for paper containers. W. E. Amberg. 2,595,046, Apr. 29.
Forming paper from modified calcium alginate fibers. A. Johnson and E. G. Millatt. 2,600,504, June 17.
Forming pigment in cellulose fiber and paper containing the pigmented fiber. W. L. Craig. 2,599,091, June 3.
Forming plastic castings with metallic inserts. L. H. Morin. 2,580,816, Jan. 1.
Forming plastisols. A. W. Meyer and W. A. Hermonat. 2,600,122, June 10.
Forming raised characters and lines, Method and apparatus for. H. P. Sewell. 2,616,198, Nov. 4.
Forming reinforced hollow plastic articles. R. J. Francis. 2,614,058, Oct. 14.
Forming ringlike bodies. J. Henchert. 2,621,622, Dec. 16.
Forming rings for bearings. J. J. Dierbeck. 2,613,429, Oct. 14.
Forming roll machine. P. P. M. Dubosclard. 2,612,934, Oct. 7.
Forming sanitary napkin attachment loops, Method and apparatus for. G. E. Klock. 2,601,617, June 24.
Forming sawing wires, Method and apparatus for. P. de V. d'Avaucourt. 2,616,478, Nov. 4.
Forming sensitive record track on cinematographic film. E. E. Griffith and L. E. Clark. 2,595,136, Apr. 29.
Forming sheer open-mesh material and apparatus therefor. H. F. Goldsmith. 2,601,770, July 1.
Forming sheet metal with low-melting dies. F. A. Klemach. 2,593,571, Apr. 22.
Forming sheets from perfluorochlorocarbon plastic. L. C. Rubin. 2,617,149, Nov. 11.
Forming side seams in metal can bodies. F. L. Chase, Jr. and H. G. Maeder, Jr. 2,581,751, Jan. 8.
Forming silica-containing gel particles into strong tablets. G. C. Connolly. 2,618,615, Nov. 18.
Forming spliced sector cables. M. D. Bergan. 2,622,314, Dec. 23.
Forming starting sheets for electrolytic refining of nickel. W. J. Cook and J. H. Tuck. 2,597,296, May 20.
Forming stripes on capsules and the like. R. P. Scherer. 2,596,176, May 13.
Forming the bottoms of glass ampoules or bottles or the like. G. Coby. 2,580,658, Jan. 1.
Forming thermistor by impregnation. M. F. Peters. 2,596,284, May 13.
Forming tire bands and band so formed, Method of and apparatus for. H. T. Kraft. 2,614,056, Oct. 14.
Forming tobacco bunches, Process and apparatus for. P. Peterson. 2,611,372, Sept. 23.
Forming tool. L. J. Auer. 2,584,321, Feb. 5.
Forming tool blanks. T. F. Githens. 2,590,766, Mar. 25.
Forming undercut sockets in a material in a hot plastic state, Method of and apparatus for. J. E. Wilcock. 2,602,269, July 8.
Forming welding projections on nuts. E. E. Howe. 2,612,647, Oct. 7.
Forming wire filling for regenerators. F. L. van Weenen and H. de Brey. 2,587,252, Feb. 26.
Forms for the manufacture of dipped rubber goods or other articles, Making. R. V. Gans. 2,581,248, Jan. 1.
Formaldehyde and uranyl salt treatment of protein filaments. G. K. Simpson and J. Brooks. 2,614,025, Oct. 14.
Formaldehyde-urea adhesives and coating compounds. W. C. Dearing. 2,612,483, Sept. 30.
Formic esters, Preparing. S. Soloveichik. 2,617,821, Nov. 11.
Formylating and reducing nonalpha tocopherols. L. Weisler. 2,592,629, Apr. 15.
Formylating tetrahydro pteroic acid and amine acid amides thereof. M. J. Fahrenbach. 2,594,271, Apr. 29.
Formylating tocopherol material. J. G. Baxter. 2,592,531, Apr. 15.
Formylating tocopherol material. L. Weisler. 2,592,630, Apr. 15.
Fortified cellular glass, Making. W. D. Ford. 2,596,669, May 13.
Forwardly mounted tractor sod cutter. H. Provost. 2,617,347, Nov. 11.
Foundation for use with soft surface formation. M. H. Parks. 2,607,198, Aug. 19.
Foundation frame for parade floats. R. W. Knight. 2,617,570, Nov. 11.
Foundation structure. H. P. Burrell. 2,608,830, Sept. 2.
Foundation structure for derricks. F. R. Harris. 2,580,911, Jan. 1.
Foundry flask. W. Ernst and O. J. Fleck. 2,611,162, Sept. 23.
Foundry machine. L. C. Young. 2,601,656, June 24.
Foundry sand cooler. H. Dok. 2,602,242, July 8.
Fountain, Animal. R. C. Lindemann. 2,612,138, Sept. 30.
Fountain brush implement. I. L. Tucker. 2,613,381, Oct. 14.
Fountain brush pen with reciprocal pin feed. W. G. Woo. 2,601,132, June 17.
Fountain curling rod. J. S., E. L., and O. A. Berman. 2,600,727, June 17.
Fountain, Double walled. J. R. Berry. 2,615,425, Oct. 28.
Fountain, Fowl drinking. J. F. Feck. 2,584,383, Feb. 5.
Fountain interrupter. M. Ras. 2,586,382, Feb. 19.
Fountain pressure supply car washer. B. Leverock. 2,583,432, Jan. 22.
Fountain, Printing press ink. A. Taylor. 2,585,598, Feb. 12.
Fountain spigot. R. F. Poultney. 2,586,083, Feb. 19.
Fountain sponge having expansible discharge orifice. J. T. Bowman and T. H. Eickhoff. 2,618,002, Nov. 18.
Fountain sponge washer. W. E. Kautenberg. 2,602,948, July 15.
4 - acetylamino - N - n - butyl-1,8-naphthalimide. M. O. Shrader. 2,600,080, June 10.
4-amino-5-arylpyrimidines, Preparation of. G. H. Hitchings, P. B. Russell, and E. A. Falco. 2,602,794, July 8.
4-aryl-4-acyl-oxy-piperidines. K. A. Jensen. 2,589,943, Mar. 18.
4 - chlorobutane - 1 - sulfonyl chloride, Producing. J. B. Wilkes. 2,623,069, Dec. 23.
Four-component objective composed of six lenses. L. Bertele. 2,622,480, Dec. 23.
Four-component objectives having two divergent compound meniscus components positioned between two single convergent components. G. H. Cook. 2,601,368, June 24.
Four component objectives with second component a convergent cemented doublet having a dispersive internal contact surface. G. H. Cook. 2,600,208, June 10.

Four-component optical objectives. G. H. Cook. 2,601,367, June 24.
Four component optical objectives having four internal contact surfaces. G. H. Cook. 2,600,207, June 10.
Four component photographic objective, High-speed. H. Lowenthal. 2,587,347, Feb. 26.
Four cylinder four-cycle unitary combustion motor with cylinders in H-disposition. C. Monleone. 2,619,943, Dec. 2.
4-dialkylaminophthalic anhydride. C. S. Adams. 2,597,965, May 27.
4,4 - Di(chloromethyl) - 2 - pantanone. K. E. Wilzbach. 2,606,209, Aug. 5.
4,4-diphenyl - 6 - dimethylamino - heptanone - 3, Preparing. W. B. Reid, Jr., and A. W. Schneider. 2,601,323, June 24.
4,4'-isopropylidenediphenol, Making. W. C. Stoesser and E. H. Sommerfield. 2,623,908, Dec. 30.
4,5 diphenylglyoxalone-disulfonyl chloride and producing the same. M. L. Hoefle and W. W. Williams. 2,602,798, July 8.
4(5)-p-menthen-3-one, Making. C. H. Bibb and H. E. McLaughlin. 2,619,504, Nov. 25.
4-halogen-2-butenoic acids, Preparation of. E. C. Ladd. 2,618,654, Nov. 18.
4-nitro-2,6-di(trifluoromethyl)-benzene-azo - N - fluoroalkyl-N-hydroxyalkylaniline dye compounds. J. B. Dickey. 2,594,297, Apr. 29.
4-nitro - 2 - trifluoromethyl - benzeneazo - N - hydroxyethyl-aniline dye compounds. J. B. Dickey. 2,618,631, Nov. 18.
4-(1,2-dihydroxyethyl)-1,3-dioxane. O. C. Dermer and W. J. Nelson. 2,598,040, May 27.
4-quinazoline sulfenamides. A. J. Beber. 2,594,381, Apr. 29.
Four-speed countershaft and planetary transmission. C. L. Swift. 2,593,629, Apr. 22.
4-tertiary alkyl chlorophenoxyacetic acids and the use thereof as plant hormone synergists. M. W. Swaney and L. Z. Jasion. 2,585,875, Feb. 12.
4-Tertiary-butylphenyl salicylate, Making. W. C. Stoesser and E. H. Sommerfield. 2,606,920, Aug. 12.
4-thiazolidone derivatives and preparing the same. L. M. Long and H. D. Troutman. 2,623,048, Dec. 23.
4-thiazolidone-2-n-caproates and preparation thereof. J. R. Schenck and R. K. Clark, Jr. 2,617,808, Nov. 11.
Four-wheel steering assembly. A. L. Lee. 2,618,491, Nov. 18.
Four wheel trailer vehicle. J. J. Black. 2,588,078, Mar. 4.
Fowl identification marker. H. W. Dryden. 2,594,623, Apr. 29.
Fowl-picking apparatus. J. A. Galamb. 2,581,183, Jan. 1.
Fowl scalding apparatus. F. C. Valenta. 2,594,829, Apr. 29.
Fractional crystallization. H. J. Pankratz, H. A. Dutcher, and C. E. Alleman. 2,603,667, July 15.
Fractional crystallization process and apparatus. S. C. Carney. 2,622,114, Dec. 16.
Fractional distillation. L. Kniel. 2,619,814, Dec. 2.
Fractional distillation apparatus. D. G. Randall. 2,608,387, Aug. 26.
Fractional distillation method. K. H. Hachmuth. 2,600,110, June 10.
Fractional distillation process and apparatus. K. C. D. Hickman. 2,609,335, Sept. 2.
Fractional fusion apparatus. J. G. Aston and S. V. R. Mastrangelo. 2,614,909, Oct. 21.
Fractional separation of crystalline solids. R. L. Macklin. 2,620,263, Dec. 2.
Fractionating apparatus. J. A. Ridgway, Jr. 2,594,585, Apr. 29.
Fractionation control. D. M. Boyd, Jr. 2,580,651, Jan. 1.
Fractionation of amino acid mixtures. E. J. Roberts. 2,590,209, Mar. 25.
Fractionation of dibasic acids. A. I. Smith. 2,592,964, Apr. 15.
Fractionation of gaseous mixtures. L. D. Etherington and H. W. Scheeline. 2,581,088, Jan. 1.
Fractionation of organic compounds by adduct formation. C. E. Adams and R. A. Dinerstein. 2,588,602, Mar. 11.
Fractionation process. H. A. Newey, E. C. Shokal and T. F. Bradley. 2,596,344, May 13.
Fractionator reflux control method. C. P. Stanley. 2,588,303, Mar. 4.
Fracturable seal. A. H. Taylor, Jr. 2,588,306, Mar. 4.
Fracture nail. A. E. Gallant and A. C. and R. F. Markkula. 2,602,445, July 8.
Fracture nail guide, Adjustable. J. W. Price. 2,607,339, Aug. 19.
Fracture reducing device. H. Briggs. 2,621,653, Dec. 16.
Fracture supporting device. E. S. Lovell. 2,614,558, Oct. 21.
Fracture-traction splint, Portable. J. F. Maher. 2,606,550, Aug. 12.
Fracturing formations in wells. R. F. Farris. 2,596,843, May 13.
Fragrant sintered metallic article. K. Iwase and K. Ogawa. 2,620,227, Dec. 2.
Frame: *See*—
Adjustable bed frame.
Adjustable brassière frame.
Advertising poster frame.
Auxiliary vehicle frame.
Bathtub curtain frame.
Bed frame.
Beehive honeycomb frame.
Closure frame.
Collapsible saw frame.
Corsage frame.
Crochet frame.
Disk harrow frame.
Door or window frame.
Draft frame.
Extensible hack saw frame.
Eyeglass lens frame.
Game racket frame.
Gill drawing frame.
Hacksaw frame.
Hammer frame.
Hoist supporting frame.
Insulated sash frame.
Key holder frame.
Machine frame.
Narrowing frame.
Ornamented ophthalmic frame.
Panel-supporting frame.
Picture frame.
Railway car truck side frame.
Razor blade holder frame.
Rod positioning frame.
Scaffold end frame.
Shoulder frame.
Skewer roaster frame.
Spectacle frame.
Spinning frame.
Tamping roller frame.
Textile fiber drafting frame.
Tie frame.
Tillage implement frame.
Vacuum printing frame.
Variable composite picture frame.
Ventilator window frame.
Window frame.
Frame and supporting structure for grain elevating machines and the like. L. B. Neighbour and O. P. Lance. 2,604,203, July 22.
Frame building dismantling tool. H. P. Fehler. 2,581,090, Jan. 1.
Frame clamping press for handbags. J. B. Rosenthal. 2,620,847, Dec. 9.
Frame construction around openings of trailers and other vehicles and structures. E. T. Ridgway. 2,597,841, May 20.
Frame construction for chairs or the like. W. H. Murphy. 2,608,244, Aug. 26.
Frame diffusion apparatus. E. V. Harlow. 2,618,357, Nov. 18.
Frame for light motorcycles or motor-bicycles. C. Gilardi. 2,604,179, July 22.
Frame for masonry wall openings. J. C. Gates. 2,618,029, Nov. 18.
Frame for motor vehicle license plates, Adjustable. L. L. Sherwood. 2,603,013, July 15.
Frame for photographs and pictures. G. P. Woodbury. 2,590,744, Mar. 25.
Frame for rotary ground pulverizers. Z. H. Moores. 2,595,091, Apr. 29.
Frame for securing display windowpanes. W. Hallauer. 2,620,905, Dec. 9.
Frame for street-type lanterns. G. F. Dennis. 2,608,641, Aug. 26.
Frame for vehicles. W. M. Brewen. 2,589,043, Mar. 11.
Frame made of paper. E. W. Weiller. 2,590,357, Mar. 25.
Frame member locating device. D. G. G. Ford. 2,584,263, Feb. 5.
Frame straightening device. J. L. Elam. 2,597,234, May 20.
Frame structure for gyratory crushers. S. W. Traylor, Jr. 2,597,548, May 20.
Frame structure for hay balers. J. B. Kelley, Jr. 2,593,569, Apr. 22.
Frame structure for mobile viners. R. and W. Ritter. 2,583,016, Jan. 22.
Frame structure, Sectional. C. R. Athy and C. R. Konkle. 2,580,503, Jan. 1.
Frame suspension arrangement for vehicles. E. E. Smith and F. A. Manning. 2,606,019, Aug. 5.
Framework for playground apparatus, including swing sets from pipes. C. A. Rowand. 2,603,272, July 15.
Framing light and control for motion-picture machines. E. C. Manderfeld. 2,605,673, Aug. 5.
Frameless screen and storm window top rail securing means. F. J. Burns. 2,583,627, Jan. 29.
Frangible plate securing means for bed and cylinder printing machines. A. Schaller. 2,590,044, Mar. 18.
Free-flowing ammonium nitrate and production of same. J. Whetstone. 2,616,787, Nov. 4.
Free-flowing starch esters. C. G. Caldwell. 2,613,206, Oct. 7.
Free lift hoist. W. W. MacDonald. 2,618,360, Nov. 18.
Free piston combustion engine. C. B. Bright. 2,584,981, Feb. 12.
Free piston impulse blast gauge. W. E. Gordon. 2,601,778, July 1.
Freeing and ejecting die castings formed on cores. O. Gries and L. H. Morin. 2,581,854, Jan. 8.
Freezer, Blast. H. W. Kleist. 2,607,201, Aug. 19.
Freezer, Commercial ice-cream. H. F. Swenson. 2,604,307, July 22.
Freezer defroster. H. H. Mellion. 2,583,271, Jan. 22.
Freezer, Ice-cream. W. F. Baird. 2,619,808, Dec. 2.
Freezer, Ice-cream. G. Muffly. 2,596,274, May 13.
Freezer, Portable ice-cream. F. Se Bastian. 2,599,021, June 3.
Freezer with refrigerant control, Ice-cream. J. W. Lofstedt. 2,610,478, Sept. 16.
Freezing and drying liquids and semisolids. T. R. Folsom. 2,616,604, Nov. 4.
Freezing apparatus. P. Amerio. 2,608,069, Aug. 26.
Freezing apparatus, Food. W. L. Morrison. 2,582,789, Jan. 15.

Freezing container. J. E. Layton. 2,621,488, Dec. 16.
Freezing device. R. S. Gaugler. 2,613,512, Oct. 14.
Freezing device. E. F. Schweller. 2,587,233, Feb. 26.
Freezing food. W. L. Morrison. 2,618,939, Nov. 25.
Freezing ice in small masses. A. Lee and E. Lieberman. 2,597,008, May 20.
Freezing machine. E. Wilbushewich. 2,594,529, Apr. 29.
Freight car. H. Black. 2,587,027, Feb. 26.
Freight car construction. C. E. Johansson. Re. 23,585, Nov. 18.
Freight car construction. C. E. Johansson. 2,602,405, July 8.
Freight car end construction. K. F. Nystrom. 2,609,762, Sept. 9.
Freight car unloading machine. T. A. Clarke. 2,597,974, May 27.
Freight handling apparatus. M. B. McKee and A. R. Bohn. 2,619,917, Dec. 2.
Freight handling equipment. E. C. Seward. 2,593,494, Apr. 22.
Freight loading. S. M. Nampa. 2,613,615, Oct. 14.
Freight stabilizing cleat. W. T. Peyton. 2,598,068, May 27.
Freight support structure for trucking vans and the like. E. W. Shreve. 2,584,506, Feb. 5.
Freight vehicle side wall with anchoring means for lading strapping. F. H. Pletzsch. 2,610,587, Sept. 16.
French seaming attachment for sewing machines. R. J. Sailer. 2,612,855, Oct. 7.
French window lock. N. O. Holmsten. 2,597,583, May 20.
Freon 12 dehydrator and manifold. S. A. Shapiro. 2,600,435, June 17.
Frequency analyzer system. H. R. Foster and E. E. Crump. 2,615,078, Oct. 21.
Frequency band and channel selecting mechanism. J. Yavitch. 2,623,394, Dec. 30.
Frequency band generator. S. Edelman and A. London. 2,623,605, Dec. 30.
Frequency changing circuit arrangement. M. J. O. Strutt and A. van der Ziel. 2,582,725, Jan. 15.
Frequency changing pulse repeater employing phase modulation. C. C. Cutler. 2,619,543, Nov. 25.
Frequency changing regenerative pulse repeater. C. C. Cutler. 2,617,885, Nov. 11.
Frequency changing system. G. W. Gray. 2,621,289, Dec. 9.
Frequency control apparatus. E. H. Hugenholtz. 2,601,436, June 24.
Frequency control circuit. J. G. Beard and N. J. Oman. 2,584,780, Feb. 5.
Frequency control device. E. Chamagne and A. Charbonnier. 2,586,916, Feb. 26.
Frequency control device. P. Moll. 2,614,221, Oct. 14.
Frequency control system. A. A. Collins. 2,617,985, Nov. 11.
Frequency controlled radio relaying system. W. M. Goodall. 2,614,211, Oct. 14.
Frequency conversion system for superheterodyne radio receivers. R. B. Dome. 2,581,177, Jan. 1.
Frequency converter. W. W. Hansen and R. H. Varian. 2,616,038, Oct. 28.
Frequency converter control. J. R. Parsons. 2,619,625, Nov. 25.
Frequency converter for AM-FM receivers. B. S. Vlikomerson. 2,601,475, June 24.
Frequency converter for radio receiving systems. E. O. Willoughby. 2,586,895, Feb. 26.
Frequency converter system. J. F. Bell and A. Cotsworth, III. 2,596,117, May 13.
Frequency converter system for radio receivers. B. D. Loughlin. 2,614,212, Oct. 14.
Frequency converting device. J. C. Ferguson. 2,582,977, Jan. 22.
Frequency detector. P. R. Bell, Jr. 2,603,748, July 15.
Frequency difference indicator. A. Rutenberg. 2,592,825, Apr. 15.
Frequency discriminating circuit. V. R. Briggs. 2,585,532, Feb. 12.
Frequency discriminator. R. P. Graef. 2,609,447, Sept. 2.
Frequency discriminator. E. J. Stachura. 2,601,340, June 24.
Frequency discriminator circuit. P. D. Heath. 2,600,292, June 10.
Frequency discriminator network. D. Mackey. 2,606,250, Aug. 5.
Frequency distinguishing device. L. W. Boothby. 2,598,671, June 3.
Frequency divider. W. C. Anderson. 2,591,114, Apr. 1.
Frequency divider. J. A. Baird. 2,585,722, Feb. 12.
Frequency divider. D. H. Campbell. 2,595,124, Apr. 29.
Frequency divider. H. N. Hansen and J. A. Greefkes. 2,617,036, Nov. 4.
Frequency generator employing a magnetic double cross valve. H. J. McCreary. 2,611,119, Sept. 16.
Frequency measuring device. J. W. Gray. 2,584,866, Feb. 5.
Frequency measuring or indicating apparatus. D. Packard and N. B. Schrock. 2,587,755, Mar. 4.
Frequency meter. H. Conviser. 2,609,512, Sept. 2.
Frequency modulated magnetic recording and reproducing. J. P. Arndt, Jr., and J. E. Shomer, Jr. 2,583,983, Jan. 29.
Frequency modulated tone units. I. Molnar. 2,589,113, Mar. 11.
Frequency modulation. M. A. McCoy. 2,588,551, Mar. 11.
Frequency modulation detector. J. C. Tellier and A. R. Alter. 2,586,119, Feb. 19.
Frequency modulation generator. W. H. Wirkler. 2,602,159, July 1.
Frequency modulation of electron discharge devices. L. P. Smith. 2,615,156, Oct. 21.
Frequency modulation radar systems with directional couplers or the like. R. A. Braden. 2,618,744, Nov. 18.
Frequency modulation receiver for overlapping signals. R. M. Wilmotte. 2,609,493, Sept. 2.
Frequency modulation reflex limiting circuit. R. B. Dome. 2,597,575, May 20.
Frequency modulation system. H. K. Richards. 2,598,722, June 3.
Frequency modulation system. E. K. Stodola. 2,613,348, Oct. 7.
Frequency modulation system for receiving one of two overlapping waves. R. M. Wilmotte. 2,609,494, Sept. 2.
Frequency modulator. J. M. Carter and J. R. Boykin. 2,583,138, Jan. 22.
Frequency multiplier circuit. H. P. Thomas. 2,583,801, Jan. 29.
Frequency receiving bell with an elecastically yieldable diaphragm extending across its mouth. W. S. Eaton. 2,614,646, Oct. 21.
Frequency relay. W. Few, J. D. Sauter, and W. F. Szabo. 2,590,393, Mar. 25.
Frequency response analysis. B. Fox. 2,588,376, Mar. 11.
Frequency response measurement, Method and apparatus for. W. R. Johnson. 2,588,730, Mar. 11.
Frequency responsive relay. C. B. Shields and W. P. Quintin, Jr. 2,622,168, Dec. 16.
Frequency selective device. R. C. Cheek. 2,605,396, July 29.
Frequency selective repeater device. T. S. Skillman. 2,607,860, Aug. 19.
Frequency shift apparatus. C. J. Madsen. 2,605,359, July 29.
Frequency shift monitor. H. A. Musk. 2,590,641, Mar. 25.
Frequency shift radio telegraph receiver. G. J. Makl. 2,616,969, Nov. 4.
Frequency signaling system. R. H. Herrick. 2,617,872, Nov. 11.
Frequency stabilization by molecularly resonant gases. W. D. Hershberger. 2,591,258, Apr. 1.
Frequency stabilization of radio frequency generators. H. L. Donley. 2,591,792, Apr. 8.
Frequency stabilizing apparatus. P. Zylstra. 2,600,288, June 10.
Frequency transposing device. M. Colas. 2,582,768, Jan. 15.
Freshening apparatus for baked food. M. W. Tucker. 2,617,349, Nov. 11.
Fretting corrosion-preventing means. R. A. Baudry and P. R. Heller. 2,597,055, May 20.
Friction and positive clutch. T. Hindmarch. 2,592,695, Apr. 15.
Friction box structure for straight knitting machines. C. R. Fegley. 2,598,986, June 3.
Friction clutch. L. D. Stripling. 2,609,902, Sept. 9.
Friction clutch and brake. H. F. Hobbs and J. A. Thompson. 2,588,724, Mar. 11.
Friction clutch, brake, and coupling. C. W. Chapman. 2,588,482, Mar. 11.
Friction clutch plate. W. V. Thelander. 2,597,911, May 27.
Friction device for holding wind wings open. H. D. Carbiener. 2,582,584, Jan. 15.
Friction disk and making same. H. Wirth. 2,587,945, Mar. 4.
Friction disk separator for double disk clutches. C. B. Spase. 2,600,520, June 17.
Friction drive. E. Wildhaber. 2,593,510, Apr. 22.
Friction drum winding machine. C. A. Dickhaut. 2,581,242, Jan. 1.
Friction elements. F. J. Groten and R. J. Reid. 2,581,926, Jan. 8.
Friction elements from the reaction product of melamine, formaldehyde, and toluene sulfonamide. E. S. Bauer, Jr. 2,614,091, Oct. 14.
Friction gearing. T. S. Bartlett. 2,596,359, May 13.
Friction grip lug strap support. W. Herron. 2,593,754, Apr. 22.
Friction hinge. P. D. Becker. 2,610,355, Sept. 16.
Friction material and making same. H. J. Cofek. 2,586,150, Feb. 19.
Friction material, Production of. I. J. Novak and H. J. Cofek. 2,620,320, Dec. 2.
Friction shock absorber for railway car truck springs. G. E. Dath. 2,581,520, Jan. 8.
Friction shock absorber for railway car truck springs. G. E. Dath. 2,583,635, Jan. 29.
Friction shock absorber for railway car truck springs. E. H. Lehman. 2,620,178, Dec. 2.
Friction shock absorber for railway car trucks. V. S. Danielson. 2,592,661, Apr. 15.
Friction shock absorber for railway car trucks. G. E. Dath. 2,591,922, Apr. 8.

Friction shock absorber for railway car trucks. G. E. Dath. 2,602,663, July 8.
Friction shock absorber for railway car trucks. G. E. Dath. 2,616,685, Nov. 4.
Friction shock absorber for railway car trucks. G. E. Dath. 2,620,180, Dec. 2.
Friction shock absorber for railway car trucks. E. H. Lehman. 2,581,543, Jan. 8.
Friction shock absorber for railway car trucks. E. H. Lehman. 2,594,462, Apr. 29.
Friction shock absorber for railway car trucks. H. W. Mulcahy. 2,623,743, Dec. 30.
Friction shock absorber for railway car trucks. W. E. Withall. 2,597,768, May 20.
Friction shock absorber for railway draft riggings. G. E. Dath. 2,588,488, Mar. 11.
Friction shock absorber for trucks of railway cars. W. E. Withall. 2,614,831, Oct. 21.
Friction shock absorbing mechanism for railway car draft riggings. G. E. Dath and A. G. Peterson. 2,592,663, Apr. 15.
Friction shock absorbing mechanism for railway car trucks. S. B. Haseltine. 2,581,531, Jan. 8.
Friction shock absorbing mechanism for railway cars. G. E. Dath and A. G. Peterson. 2,592,662, Apr. 15.
Friction shock absorbing mechanism for railway cars. A. G. Peterson. 2,592,731, Apr. 15.
Friction shock absorbing mechanisms for draft riggings of railway cars. A. G. Peterson. 2,592,732, Apr. 15.
Friction snubber for railway car truck springs. W. E. Withall. Re. 23,515, June 24.
Friction snubber for railway car trucks. R. J. Olander. 2,606,018, Aug. 5.
Friction type clutch. C. C. De Pew. 2,587,823, Mar. 4.
Friction wedge. J. C. Settles and L. E. Furniss. 2,587,392, Feb. 26.
Frictional gear mechanism. S. J. Mikina. 2,583,790, Jan. 29.
Frier, Electric deep fat. S. J. Budlane and R. Dusek. 2,593,392, Apr. 15.
Frier, French. L. E. Finch. 2,593,549, Apr. 22.
Fry shield. H. K. Loop. 2,614,718, Oct. 21.
Frying apparatus. O. P. Pierson. 2,616,359, Nov. 4.
Frying hood. A. J. Salem. 2,623,516, Dec. 30.
Frying machine, Pastry shell. G. E. Saenz. 2,603,143, July 15.
Fringe forming apparatus. G. Manzano. 2,600,014, June 10.
Frog gaff. N. G. Odneal. 2,616,753, Nov. 4.
Frog holder. J. E. Cook. 2,603,184, July 15.
Frog making machine. N. E. Branson. 2,594,119, Apr. 22.
Front-digging rear-dumping earth-moving scraper. G. W. Mork. 2,606,376, Aug. 12.
Front-drive and multidrive shuttle. H. Pelcé. 2,619,988, Dec. 2.
Front feed carriage for typing, printing, and computing machines. C. K. Rainey. 2,598,939, June 3.
Front setting means for clocks. E. Bourquin. 2,607,188, Aug. 19.
Frost indicator for refrigerators. R. J. Carbary. 2,619,067, Nov. 25.
Frost prevention means. T. Gugliotta. 2,605,516, Aug. 5.
Frostproof deep well pump arrangement. P. M. Van Ackeren. 2,604,168, July 22.
Frost removing arrangement for refrigerator cabinets. L. W. Atchison. 2,592,233, Apr. 8.
Froth breaking apparatus. V. C. Lorenz. 2,613,810, Oct. 14.
Froth flotation concentration of sylvite from sylvinite ores. A. J. Weinig. 2,588,443, Mar. 11.
Froth flotation of monazite from heavy gravity minerals. R. E. Cuthbertson. 2,610,738, Sept. 16.
Froth flotation of potassium chloride from sodium chloride. J. Colin, R. Burr, R. Friedrich, and X. Herrgott. 2,604,988, July 29.
Froth flotation of sulfide minerals with di-alkyl thiophosphoryl chlorides. R. B. Booth and C. L. Morris, Jr. 2,621,789, Dec. 16.
Frothing agents for flotation of ores. E. C. Tveter. 2,611,485, Sept. 23.
Frothing agents for use in froth flotation processes. R. F. Powell and H. M. Stanley. 2,591,289, Apr. 1.
Frothing rubber latex. C. F. Eckert. 2,617,840, Nov. 11.
Frozen confection apparatus. C. Erickson and E. Spellman. 2,587,127, Feb. 26.
Frozen confection on a stick. T. W. Turner. 2,614,047, Oct. 14.
Frozen custard machine. B. H. Woodruff. 2,608,833, Sept. 2.
Frozen food locker partition device. E. H. Slade. 2,610,759, Sept. 16.
Frozen meat packages, Preparing. C. K. Wiesman, G. H. Whetzell, and G. T. Schjeldahl. 2,595,498, May 6.
Frozen prune process. J. M. Mills, Jr., and J. M. Mills, III. 2,618,564, Nov. 18.
Fruit and vegetable slicer. U. J. Brualdi. 2,621,691, Dec. 16.
Fruit coring machine. W. de Back, S. Puccinelli and R. A. McCloud. 2,614,595, Oct. 21.
Fruit gatherer, Pole supported. P. B. Mellinger and M. E. Lehman. 2,603,056, July 15.
Fruit halving and pitting device. B. H. Rollins, Jr. 2,588,575, Mar. 11.
Fruit handling apparatus. J. A. Amori. 2,622,719, Dec. 23.
Fruit holder. C. H. Olson. 2,613,984, Oct. 14.
Fruit inspection and grading system. R. C. Paulus. 2,618,387, Nov. 18.
Fruit juice blend and producing same. J. A. Bruce. 2,599,431, June 3.
Fruit juice extraction. E. R. Odom and H. T. Lannen. 2,598,418, May 27.
Fruit juice extractor. A. O. Goldstein 2,601,606, June 24.
Fruit juice extractor. F. R. Higley. 2,623,561, Dec. 30.
Fruit juice extractor. A. B. Smith. 2,622,644, Dec. 23.
Fruit orientation machine. W. A. Doering and W. E. Koenig. 2,609,913, Sept. 9.
Fruit picker's bag. E. P. Merrion. 2,586,974, Feb. 26.
Fruit picking device. F. Denman. Re. 23,524, July 22.
Fruit pitter. V. C. Giordano. 2,612,197, Sept. 30.
Fruit pitting and peeling apparatus. H. A. Skog. 2,594,362, Apr. 29.
Fruit pitting chuck. G. W. Ashlock, Jr. 2,589,324, Mar. 18.
Fruit pitting machine. P. E. Luther. 2,623,562, Dec. 30.
Fruit pitting method and apparatus. R. L. Ewald and H. A. Skog. 2,623,564, Dec. 30.
Fruit press. A. Crot. 2,584,333, Feb. 5.
Fruit press. R. S. Miller. 2,589,724, Mar. 18.
Fruit reamer. J. L. Murray. 2,610,663, Sept. 16.
Fruit sauce products, Preparing. W. A. Rooker. 2,582,396, Jan. 15.
Fruit stemming machine. W. E. Urschel. 2,621,690, Dec. 16.
Fruit stuffing machine. W. Hungate. 2,597,933, May 27.
Fruit weighing and sorting machine. E. A. White. 2,607,483, Aug. 19.
Fruit whip. D. K. Tressler. 2,588,308, Mar. 4.
Frustrated total reflection interference filter. A. F. Turner. 2,601,806, July 1.
Fuel-air mixing device. B. O. Buckland and A. J. Nerad. 2,602,292, July 8.
Fuel and air mixing device. K. C. Agar. 2,618,474, Nov. 18.
Fuel and brake control for automobiles, Combined. A. St. Maurice and J. S. Candella. 2,586,111, Feb. 19.
Fuel and combustion supporting medium control for turbine engine starters using excess fuel for cooling. A. T. Briggs. 2,611,239, Sept. 23.
Fuel and torque control apparatus for internal-combustion engines. M. E. Chandler. 2,618,927, Nov. 25.
Fuel burner. H. Cowan. 2,587,700, Mar. 4.
Fuel burner. G. F. Olsen. 2,616,488, Nov. 4.
Fuel burner control system and apparatus therefor, Electrical. F. B. Aubert. 2,593,518, Apr. 22.
Fuel burner controller. P. F. Shivers. 2,585,278, Feb. 12.
Fuel burner safety control apparatus. F. E. Lange. 2,610,677, Sept. 16.
Fuel burner safety control apparatus. J. M. Wilson and R. S. Feigal. 2,616,490, Nov. 4.
Fuel burner structure for vehicle heaters, Liquid. H. Korshak. 2,619,160, Nov. 25.
Fuel burner system. R. L. Harris and M. Lothrop. 2,586,224, Feb. 19.
Fuel burning air and liquid heater. C. M. Backus. 2,616,412, Nov. 4.
Fuel burning air heater. A. R. Collins, F. A. Ryder, and R. D. Randall. 2,581,942, Jan. 8.
Fuel burning apparatus. H. J. Kerr, J. Fletcher, L. Kooistra, and G. A. Watts. 2,594,312, Apr. 29.
Fuel burning means. J. L. Harvey. 2,588,833, Mar. 11.
Fuel-burning panel heater. W. G. Cartter. 2,594,608, Apr. 29.
Fuel burning space heater. G. M. Schueder. 2,603,205, July 15.
Fuel carbureting apparatus. S. P. Jones. 2,597,335, May 20.
Fuel control for combustion apparatus. J. W. Miller. 2,600,123, June 10.
Fuel control for exhaust turbine power plants having internal-combustion gas generators. R. J. Coar. 2,583,470, Jan. 22.
Fuel control system. C. O. Everhart. 2,619,285, Nov. 25.
Fuel control system. L. Lee, II. 2,588,547, Mar. 11.
Fuel control with temperature datum shifter. S. G. Best. 2,623,354, Dec. 30.
Fuel distribution system. H. Hersch. 2,599,915, June 10.
Fuel duration meter. V. E. Payne. 2,614,422, Oct. 21.
Fuel feed and power control system for gas turbines, jet propulsion, and the like. F. C. Mock. 2,581,276, Jan. 1.
Fuel feed responsive to air pressure and temperature, fuel flow, and speed for gas turbines. F. C. Mock. 2,581,275, Jan. 1.
Fuel feeder for flame ring burners, Rotary. W. J. Smith, Jr. 2,592,612, Apr. 15.
Fuel feeding and distributing apparatus for internal-combustion engines. H. L. Knudsen. 2,618,252, Nov. 18.
Fuel feeding apparatus. E. C. Miller and W. B. Hewitt. 2,602,706, July 8.
Fuel feeding of engines arranged at the ends of the blades of a rotary wing. P. Morain. 2,594,788, Apr. 29.
Fuel feeding system. G. L. Tescher. 2,598,147, May 27.

Fuel feeding system for heaters. S. J. Budlane. 2,588,348, Mar. 11.
Fuel gas by cracking propane, Production of. L. W. Pollock. 2,608,478, Aug. 26.
Fuel gas from carbonaceous solid fuels, Production of. D. Eastman. 2,595,234, May 6.
Fuel gases, Production of. W. K. Lewis. 2,623,817, Dec. 30.
Fuel homogenizer. E. D. Aleman and G. S. Valdez. 2,618,541, Nov. 18.
Fuel ignition system. W. G. See. 2,596,729, May 13.
Fuel injection apparatus. T. S. Chmura and G. B. Wood, Jr. 2,595,639, May 6.
Fuel injection apparatus. L. O. French. 2,598,528, May 27.
Fuel injection apparatus. H. T. Pyk and H. G. Camner. 2,605,141, July 29.
Fuel injection device. H. G. Camner. 2,591,401, Apr. 1.
Fuel injection device. S. Lemanski. 2,605,706, Aug. 5.
Fuel injection internal-combustion engine. J. B. Mailn. 2,606,538, Aug. 12.
Fuel injection pump. G. C. Drouot. 2,582,535, Jan. 15.
Fuel injection pump. N. Fodor. 2,593,551, Apr. 22.
Fuel injection pump. C. F. High. 2,592,281, Apr. 8.
Fuel injection pump. F. C. Reggio. 2,612,884, Oct. 7.
Fuel-injection pump. J. M. R. Retel. 2,622,577, Dec. 23.
Fuel injection pump. G. Steven and R. R. Fruehauf. 2,612,842, Oct. 7.
Fuel injection pump. G. Steven and R. R. Fruehauf. 2,623,468, Dec. 30.
Fuel injection pump for diesel engines. A. Pischinger. 2,619,042, Nov. 25.
Fuel injection system. J. H. Booth. 2,598,754, June 3.
Fuel injection system. L. E. Johnson. 2,603,159, July 15.
Fuel injection system. R. A. Lasley. 2,612,840, Oct. 7.
Fuel injection system. G. B. Wood, Jr. 2,592,367, Apr. 8.
Fuel injection system for compression ignition engines. J. Weber. 2,619,080, Nov. 25.
Fuel injection system for reversible internal-combustion engines. P. E. Wiene. 2,614,495, Oct. 21.
Fuel injection valve. H. G. Camner. 2,602,703, July 8.
Fuel injector. W. M. Nichols. 2,614,888, Oct. 21.
Fuel injector. G. M. Rogers. 2,590,575, Mar. 25.
Fuel injector. G. M. Rogers. 2,599,018, June 3.
Fuel injector for starting internal-combustion engines. T. C. Leake. 2,582,637, Jan. 15.
Fuel injector pump mechanism. M. E. Chandler. 2,588,481, Mar. 11.
Fuel issuing machine, Coin-operated. G. Looser. 2,582,549, Jan. 15.
Fuel line valve lock. L. M. Hopkins. 2,594,559, Apr. 29.
Fuel metering and airscrew pitch control mechanism. R. H. D. Chamberlin, C. H. L. Wynne, and J. Skellern. 2,593,536, Apr. 22.
Fuel metering and spraying system, Liquid. C. D. Fulton. 2,590,853, Apr. 1.
Fuel metering control. E. A. Mallck. 2,621,642, Dec. 16.
Fuel metering device. E. O. Wirth and F. Barfod. 2,617,397, Nov. 11.
Fuel metering jet adjustment. E. O. Wirth and F. Barfod. 2,610,024, Sept. 9.
Fuel metering means for gas-turbine engine fuel systems. A. Jubb. 2,605,709, Aug. 5.
Fuel mixer for internal-combustion engines. J. Reindl. 2,598,832, June 3.
Fuel mixing device. A. D. Cremean. 2,609,280, Sept. 2.
Fuel oil carbureter burner. J. Sontag. 2,616,492, Nov. 4.
Fuel oil composition. G. W. Duncan. 2,607,665, Aug. 19.
Fuel oil control system. C. D. MacCracken and C. W. Wood. 2,590,111, Mar. 25.
Fuel pump. R. S. Blakeway. 2,596,360, May 13.
Fuel pump. F. S. Coe. 2,599,522, June 3.
Fuel pump. W. Friedlander. 2,585,544, Feb. 12.
Fuel pump. B. G. Parsons. 2,593,788, Apr. 22.
Fuel pump cylinder and piston. C. E. Summers. 2,583,974, Jan. 29.
Fuel regulating and safety shutoff valve. R. R. Waterman. 2,580,866, Jan. 1.
Fuel regulating apparatus for aircraft gas turbine power plants. M. A. Edwards, D. E. Garr, and H. M. Ogle. 2,622,393, Dec. 23.
Fuel saving furnace. S. Wald. 2,613,653, Oct. 14.
Fuel supply control for gas turbines. F. H. Carey. 2,609,868, Sept. 9.
Fuel supply system. J. C. Balsch. 2,588,952, Mar. 11.
Fuel supply system. A. H. Morey. 2,608,246, Aug. 26.
Fuel supply system. J. A. Templeton. 2,596,736, May 13.
Fuel supply system. M. A. Trisler. 2,580,706, Jan. 1.
Fuel supply system for helicopter with jet-driven rotor. V. Isacco. 2,585,468, Feb. 12.
Fuel supply system for internal-combustion engines. R. H. D. Chamberlin. 2,586,004, Feb. 19.
Fuel supply system for internal-combustion engines. L. S. Greenland. 2,604,756, July 29.
Fuel supply system for internal-combustion engines. M. C. Wilks. 2,619,947, Dec. 2.
Fuel supply system for spill type burners. F. H. Carey. 2,608,247, Aug. 26.
Fuel tank for captive model airplanes. H. E. Daebelliehn. 2,583,932, Jan. 29.
Fuel treating device. W. M. Malouf. 2,613,143, Oct. 7.
Fuel system. R. A. Neal. 2,617,361, Nov. 11.
Fuel system. A. Rappl. 2,606,543, Aug. 12.
Fuel system for combustion apparatus. T. B. Dilworth and M. M. Schalla. 2,599,699, June 10.
Fuel system for compressor gas turbine plants. G. B. R. Feilden. 2,619,162, Nov. 25.
Fuel system for gas-turbine engines. K. R. Davies and K. Herbstritt. 2,618,222, Nov. 18.
Fuel system for internal-combustion engines. C. G. Morley. 2,594,790, Apr. 29.
Fuel system for thermal power plants. N. Burgess. 2,598,674, June 3.
Fuel tank construction. W. C. Bombardt and E. H. Sorg. 2,591,044, Apr. 1.
Fuel, Turbojet. K. G. Morris and R. A. Van Sweringen, Jr. 2,609,279, Sept. 2.
Fuel valve for rotating combustion products generators, Centrifugal balance. T. B. Murdock and R. H. Ball. 2,622,394, Dec. 23.
Fuel vaporizing apparatus for an afterburner. J. S. Clarke and E. S. Collinson. 2,622,396, Dec. 23.
Fuel vaporizing device. Z. O. Cantrell. 2,623,978, Dec. 30.
Fueling aircraft in flight. F. I. Steele. 2,582,609, Jan. 15.
Fugitive tint for cellulose acetate. W. E. Davis. 2,590,236, Mar. 25.
Fulcrum type bottle cap lifter. R. C. Dreier. 2,612,800, Oct. 7.
Fulcrum type cap lifter. L. M. Bach. 2,621,550, Dec. 16.
Full flow oil filter. C. W. Floss and J. K. Gilbert. 2,602,547, July 8.
Full power hydraulic safety system. T. A. Feeney and W. L. Parker. 2,619,304, Nov. 25.
Full span flap and aileron control. R. T. Youngman. 2,583,405, Jan. 22.
Full throw mechanism for nailing machines. H. A. Granfield. 2,618,778, Nov. 25.
Full-view concentric indicator. L. A. Maybarduk. 2,613,629, Oct. 14.
Fully balanced combination overdrive and hydraulic transmission. O. J. Elsele. 2,598,896, June 3.
Fulvene hydrocarbons, Production of. H. G. Schutze and E. F. Wadley. 2,589,969, Mar. 18.
Fume eliminator and fuel saver for internal-combustion engines. G. J. Taber. 2,617,398, Nov. 11.
Fume exhauster for tiltable furnaces. K. S. Lindh and K. T. Tureson. 2,606,016, Aug. 5.
Fuming nitric acid, Producing. J. E. Rothrock. 2,594,588, Apr. 29.
Fumigating apparatus, Soil. L. D. Funk. 2,580,755, Jan. 1.
Fumigating compositions. J. Gillies and J. Rowe. 2,590,529, Mar. 25.
Fumigating with ethylene bromide and methyl bromide. J. C. Dawson. 2,606,857, Aug. 12.
Function printer. A. F. Fairbanks. 2,592,018, Apr. 8.
Function recorder. L. G. Gitzendanner and D. F. Langenwalter. 2,610,102, Sept. 9.
Fundus camera, including eye fixation means. J. H. McMillin. 2,586,973, Feb. 26.
Fungi and bacteria resistant papermakers' felts and preparing same. P. G. Benignus. 2,594,384, Apr. 29.
Fungicidal and insecticidal preparations. A. J. Shmidl. 2,615,827, Oct. 28.
Fungicidal composition containing chlorinated isophorone. R. S. Hawley. 2,583,425, Jan. 22.
Fungicidal preparation. L. A. Brooks. 2,582,857, Jan. 15.
Fungicidal use of certain furfuryl carbanilates. D. T. Mowry. 2,591,588, Apr. 1.
Fungistatic copolymers of butadiene-1,3 and organic nitriles. P. G. Benignus. 2,608,551, Aug. 26.
Fungistatic preparations. H. Gysin and E. Hodel. 2,617,753, Nov. 11.
Funnel guide alignment indicator. C. W. Derk. 2,607,184, Aug. 19.
Funnel support. S. W. Taylor. 2,620,957, Dec. 9.
Funnel with spout and vent closure. G. H. Morrison. 2,584,216, Feb. 5.
Fur seaming apparatus. I. H. Koniger. 2,598,923, June 3.
Fur sewing machine. F. L. Olday. 2,588,281, Mar. 4.
Fur shaping table. H. Hansen and F. X. Velten. 2,608,322, Aug. 26.
Fur steam glazer. H. W. Moss. 2,602,317, July 8.
Furfural recovery. C. E. Ockert. 2,613,174, Oct. 7.
Furfuryl alcohol-ammonium thiocyanatealdehyde resins. A. P. Dunlop and P. R. Stout. 2,589,683, Mar. 18.
Furfuryl alcohol resins. L. H. Brown. 2,601,497, June 24.
Furfuryl urea-formaldehyde thermosetting resins, Production of. J. K. Simons. Re. 23,588, Nov. 25.
Furfuryl urea-formaldehyde thermosetting resins, Production of. J. K. Simons. 2,595,492, May 6.
Furnace: *See*—
- Absorbent-covered furnace.
- Air-heating furnace.
- Annealing furnace.
- Armature soldering furnace.
- Billet heating furnace.
- Blast furnace.
- Chemical furnace.
- Circular open hearth melting furnace.
- Closed electric furnace.
- Continuous furnace.
- Continuous type furnace.
- Convection and forced air flow warm air space heating furnace.
- Cupola furnace.
- Domestic electric furnace.
- Downdraft hot-air furnace.
- Electric arc furnace.

Furnace: *See*—Continued.
Electric enamel furnace.
Electric furnace.
Electric graphitising furnace.
Electric heat treating furnace.
Electric glass furnace.
Electric melting furnace.
Floor furnace.
Forced air flow air-heating furnace.
Fuel saving furnace.
Gas-fired hot-air furnace.
Gas furnace.
Glass melting furnace.
Heat-treating furnace.
High-frequency furnace.
Horizontal forced air flow air-heating furnace.
Hot-air heating furnace.
Induction metal melting furnace.
Induction pouring furnace.
Industrial bath furnace.
Melting furnace.
Multiple element forced air flow air heating furnace.
Nitrogen fixation furnace.
Nonsmoke-back solid fuel furnace.
Oil burning hot-air furnace.
Open-hearth furnace.
Reactor furnace.
Rotary hearth furnace.
Snow melting furnace.
Suspended air-heating furnace.
Tiltable induction furnace.
Vibrating-hearth furnace.

Furnace. F. W. Harris. 2,606,821, Aug. 12.
Furnace and burner therefor, Gas-producing. R. C. Perkins. 2,592,730, Apr. 15.
Furnace and heat retaining unit therefor. S. E. Navarro. 2,601,167, June 17.
Furnace and lead electrode, Electric. G. T. Muehlenkamp. 2,594,973, Apr. 29.
Furnace and tube support, Split. F. O. Hess and K. W. Fleischer. 2,606,536, Aug. 12.
Furnace brazing compositions. L. G. Klinker. 2,594,313, Apr. 29.
Furnace bridge wall cooling and air feeding construction. J. T. Bailey. 2,606,513, Aug. 12.
Furnace chamber. R. H. Evans and L. P. Purple. 2,596,953, May 13.
Furnace charging device. F. W. Gumpp. 2,591,424, Apr. 1.
Furnace control device. F. Harbin, Jr. 2,615,634, Oct. 28.
Furnace damper control. C. F. Alban and R. H. Matthews. 2,617,595, Nov. 11.
Furnace discharge apparatus. N. W. F. Phillips. 2,580,700, Jan. 1.
Furnace door. J. D. O'Connor. 2,617,372, Nov. 11.
Furnace door structure with spring and cam retention means. E. C. Webb. 2,584,404, Feb. 5.
Furnace draft automatic release. R. G. Hughes. 2,602,333, July 8.
Furnace draft regulator. E. A. Lucas. 2,596,907, May 13.
Furnace electrode. R. K. Hopkins. 2,599,179, June 3.
Furnace electrode. E. Lubatti. 2,591,709, Apr. 8.
Furnace element. F. E. Bash. 2,587,275, Feb. 26.
Furnace for burning wet fuels. E. L. Dennis. 2,602,409, July 8.
Furnace for grain dehydration, Air-heating. M. Muhlenkort. 2,603,207, July 15.
Furnace for heating fluids. E. R. Kilsby. 2,609,814, Sept. 9
Furnace for heating metal bars. M. Morgan. 2,616,679, Nov. 4.
Furnace for producing carbon black. G. F. Frianf. 2,606,819, Aug. 12.
Furnace for the recovery of metal oxides. H.-J. Hellwig. 2,613,137, Oct. 7.
Furnace heat exchanger. W. R. Teller. 2,586,118, Feb. 19.
Furnace lift and translation mechanism. L. B. Rosseau. 2,583,967, Jan. 29.
Furnace lighter with mechanically interlocked controls. R. Shellenberger and A. J. Poole. 2,596,944, May 13.
Furnace, particularly of the forced-draft type, Hot-air. J. A. Dahlstrom. 2,592,396, Apr. 8.
Furnace reactor. V. F. Parry. 2,600,425, June 17.
Furnace roof and wall structure. L. S. Longenecker. 2,606,017, Aug. 5.
Furnace roof or arch. J. E. Pluck. 2,592,184, Apr. 8.
Furnace roof structure. L. S. Longenecker. 2,612,124, Sept. 30.
Furnace shell construction. R. R. Thomas. 2,596,738, May 13.
Furnace tilt lift door and seal. L. S. Longenecker. 2,594,188, Apr. 22.
Furnace wall. H. Jones. 2,622,433, Dec. 23.
Furnace wall. G. P. Reintjes. 2,601,631, June 24.
Furnace wall. T. H. Sherman. 2,596,180, May 13.
Furnace wall. D. W. Williamson. 2,618,961, Nov. 25.
Furnace wall, Lined. W. Sampson. 2,591,723, Apr. 8.
Furnace wall port closure and operating means therefor. J. C. Singleton, Jr. 2,619,922, Dec. 2.
Furnace wall structure. H. W. Weber. 2,581,989, Jan. 8.
Furnace with door latching means and combustion gas by-pass controlled thereby. J. W. Norris. 2,608,944, Sept. 2.
Furnace with flue gas turbulator, Fire tube. W. B. Brock. 2,591,398, Apr. 1.
Furnace with forced flow air circulating means, Air-heating. P. K. Russell. 2,587,228, Feb. 26.
Furnace with removable heating unit, Floor. H. W. Kelly. 2,589,702, Mar. 18.
Furnace with sectional radiant tube. E. W. Weaver. 2,598,474, May 27.
Furniture. L. E. Himelreich. 2,609,266, Sept. 2.
Furniture, Article of. S. T. Anderson. 2,597,277, May 20.
Furniture, Article of. W. L. Clifton. 2,593,270, Apr. 15.
Furniture construction. C. Kramer. 2,619,400, Nov. 25.
Furniture construction featuring leg structures and mounting means therefor. P. Schladermundt and C. L. Metsler. 2,588,417, Mar. 11.
Furniture, Convertible. J. A. Arton. 2,588,071, Mar. 4.
Furniture cover. S. M. Slosberg, H. Beeten, and E. Frank. 2,588,940, Mar. 11.
Furniture frame construction. P. L. Way. 2,618,316, Nov. 18.
Furniture frame construction, Steel and wood. G. L. Gerber and H. E. Lee. 2,597,860, May 27.
Furniture, Knockdown metal armed. C. P. Molla. 2,620,023, Dec. 2.
Furniture made of laminations or sections. L. G. Simjian. 2,612,942, Oct. 7.
Furniture unit, Foldable. B. Levitin, J. G. Brown, I. W. and M. B. Peeples. 2,593,819, Apr. 15.
Furrowing attachment. W. P. Oehler and C. H. Youngberg. 2,621,983, Dec. 16.
Fuse. E. W. Brandt. 2,595,757, May 6.
Fuse. E. W. Brandt. 2,601,827, July 1.
Fuse. H. H. Fahnoe. 2,605,371, July 29.
Fuse. J. B. MacLean. 2,593,775, Apr. 22.
Fuse. J. S. Messer and D. L. Davis. 2,595,688, May 6.
Fuse, Centrifugally armed. G. M. O'Rear. 2,594,340, Apr. 29.
Fuse clip device. H. H. McMahon. 2,621,227, Dec. 9.
Fuse, Current-limiting. F. J. Kozacka. 2,594,315, Apr. 29.
Fuse, Current-limiting. F. J. Kozacka. 2,599,646, June 10.
Fuse cutout. A. W. Edwards. 2,621,270, Dec. 9.
Fuse detonating mechanism. F. L. Everett. 2,598,157, May 27.
Fuse drop-out cutout. D. C. Hubbard. 2,584,586, Feb. 5.
Fuse functioning mechanism. H. L. Rosenberg. 2,609,753, Sept. 9.
Fuse guiding and mounting means. J. J. Kojis. 2,606,949, Aug. 12.
Fuse housing construction. S. I. Lindell and C. E. Schultheiss. 2,591,949, Apr. 8.
Fuse igniting and connecting device. J. B. Chalmers and F. H. G. McCaffrey. 2,587,694, Mar. 4.
Fuse-link. G. Appleman. 2,614,192, Oct. 14.
Fuse system. R. B. Buchner. 2,601,429, June 24.
Fuse testing terminal. F. J. McNamara. 2,586,366, Feb. 19.
Fuse type hydraulic valve. C. A. Ratkoviak. 2,589,731, Mar. 18.
Fuse valve. H. E. Rose. 2,593,612, Apr. 22.
Fused bath electrolytic cell for the production and refining of metals. L. Ferrand. 2,584,565, Feb. 5.
Fused cyclic thiophene compounds, Production of. R. F. McCleary and L. W. Devaney. 2,591,710, Apr. 8.
Fused drop-out cutout. D. C. Hubbard. 2,611,054, Sept. 16.
Fused drop-out cutouts. D. C. Hubbard and W. L. Hollander. 2,581,954, Jan. 8.
Fused electrical connector. J. F. Conrad. 2,614,190, Oct. 14.
Fused ore agglomerates. L. B. Lindemuth. 2,605,179, July 29.
Fuseless circuit interrupting device. G. F. Lincks and S. R. Smith, Jr. 2,587,342, Feb. 26.
Fuses and composition therefor, Manufacture of. H. Zenftman and J. E. Forlin. 2,590,060, Mar. 18.
Fuses and releasable connectors, Electric. A. G. H. and D. A. J. Oxley. 2,583,440, Jan. 22.
Fusible means for securing instrument parts during shipment. H. L. Ross. 2,600,330, June 10.
Fusing device. E. R. Sabel and F. I. Galbrecht. 2,586,484, Feb. 19.
Fusion joining. J. Weir and C. H. Dulin. 2,598,027, May 27
Gaff hook. E. E. and R. E. Brown. 2,603,520, July 15.
Gaff hook. C. E. and G. O. Johnson. 2,584,881, Feb. 5.
Gaff hook. H. R. Ziebell. 2,590,595, Mar. 25.
Gaff hook and movable hook holding means therefor. C. B. P. Myers. 2,623,777, Dec. 30.
Gaff hook and scale, Combination. D. K. McRae. 2,586,245, Feb. 19.
Gain control apparatus. R. W. Sanders. 2,585,044, Feb. 12.
Gain control circuit utilizing keyed magnetic amplifier. G. C. Sziklai and F. J. Darke, Jr. 2,615,977, Oct. 28.
Gain control device for radio receivers. J. A. Pierce. 2,599,777, June 10.
Gallic acid esters of alcohols having at least 7 carbon atoms, Preparation of. G. J. M. van der Kerk. 2,623,897, Dec. 30.
Gallic esters, Preparing. H. Von Bramer and M. L. Clemens, Jr. 2,615,042, Oct. 21.
Gallium, Producing. R. W. Brown. 2,582,378, Jan. 15.
Gallium, Producing. F. C. Frary. 2,582,376, Jan. 15.
Galvanic anode. W. W. Harris and W. Brown. 2,619,455, Nov. 25.
Galvanic primary cell. A. E. Grusell, H. O. A. Sandmark, and E. G. Hysing. 2,586,426, Feb. 19.
Galvanic water correction device. T. C. Jones. 2,591,826, Apr. 8.

Galvanized muffler with concavo-convex baffles. F. C. Brightly, Jr., and J. F. Herbert. 2,598,756, June 3.
Galvanometer, Liquid damped. J. L. Fisher. 2,596,019, May 6.
Galvanometer, Ratio type. C. M. Hathaway. 2,605,303, July 29.
Galvanometer with adjustable damping. C. E. Hendricks. 2,622,118, Dec. 16.
Gambrel. D. O. Elling and A. L. Slye. 2,622,914, Dec. 23.
Gambrel, Foldable. E. J. Nederostek. 2,592,059, Apr. 8.
Gambrel, Foldable and adjustable. W. H. Ferguson. 2,582,322, Jan. 15.
Game. H. H. Freedman. 2,586,017, Feb. 19.
Game. B. H. Freedman and E. J. Heggedal. 2,585,924, Feb. 19.
Game apparatus. G. W. Gray. 2,607,865, Aug. 19.
Game apparatus, Air actuated racing. J. R. Christian. 2,603,488, July 15.
Game apparatus, Ball. J. P. Hornig. 2,606,025, Aug. 5.
Game apparatus, Baseball. A. Rose. 2,596,439, May 13.
Game apparatus, Bingo. J. S. Hofseta. 2,594,434, Apr. 29.
Game apparatus, Board. E. E. Kloss. 2,611,616, Sept. 23.
Game apparatus, Disk. H. E. Gillespie. 2,595,669, May 6.
Game apparatus, Football. J. M. Spiegel. 2,580,616, Jan. 1.
Game apparatus for chance-selected indications. C. Tognetti. 2,593,631, Apr. 22.
Game apparatus for teaching the use of the multiplication table. J. E. I. Gordon. 2,585,458, Feb. 12.
Game apparatus, Pneumatically actuated marble. C. L. Mourfield. 2,582,844, Jan. 15.
Game, Ball. M. M. Tilley. 2,607,591, Aug. 19.
Game board. T. P. Housley. 2,620,192, Dec. 2.
Game board. R. L. Robbins, Jr. 2,615,718, Oct. 28.
Game board and multiple elements therefor. P. Olsen. 2,585,268, Feb. 12.
Game board and playing disk, Combination. W. E. Baumberger. 2,603,489, July 15.
Game board and playing pieces. C. S. Horine. 2,585,463, Feb. 12.
Game board and table, Coin-operated. J. P. Lewis, Sr. 2,596,259, May 13.
Game board pocket with ball removing device. E. W. Kummer. 2,623,749, Dec. 30.
Game board with chance means and cards. C. A. Poarch. 2,602,667, July 8.
Game board with sliding panel, Baseball. B. V. Marschke. 2,585,259, Feb. 12.
Game, Boxing. C. L. Hubbard. 2,593,147, Apr. 15.
Game device, Ball-actuated racing. W. A. Malkan. 2,591,956–7, Apr. 8.
Game device, Electrically actuated target. I. Tilson. 2,586,121, Feb. 19.
Game device, Football. J. M. Tullio. 2,600,940, June 17.
Game device, Gravity projector ball. M. F. Finnerty. 2,607,592, Aug. 19.
Game device, Prize dispensing target. S. P. Hitchings. 2,593,756, Apr. 22.
Game device, Punchboard. J. J. Petro and M. A. Mattis. 2,607,593, Aug. 19.
Game device, Reciprocal actuated rotating spinner. S. M. Klyver. 2,608,410, Aug. 26.
Game device, Rotatable disk number. W. W. Marseille. 2,606,024, Aug. 5.
Game device simulating a western rodeo. K. F. Card. 2,610,854, Sept. 16.
Game device with multiple cylinder, Whirling. Q. Wee. 2,614,843, Oct. 21.
Game, Educational card. C. H. Mathes. 2,607,595, Aug. 19.
Game, Fishing. L. J. Anechiarico. 2,598,487, May 27.
Game, Fishing. E. J. Strohm. 2,611,617, Sept. 23.
Game, Inclined plane magnetic. G. E. Frazier. 2,590,002, Mar. 18.
Game net and making the same. L. A. Ederer. 2,610,852, Sept. 16.
Game, Parlor baseball. O. W. Esch. 2,606,029, Aug. 5.
Game, Parlor baseball. R. H. Fish. 2,588,972, Mar. 11.
Game, Parlor bowling. C. H. Goodyear. 2,610,055, Sept. 9.
Game piece, Pyramidal. P. T. Astle. 2,583,805, Jan. 29.
Game: Pin ball. J. C. Koci. 2,610,059, Sept. 9.
Game, Puzzle. J. R. O'Neil. 2,583,229, Jan. 22.
Game racket frame. C. A. Lovell. 2,610,056, Sept. 9.
Game, Rotating disk automatic Lotto. W. A. Hanf. 2,594,159, Apr. 22.
Game, Simulated basketball. W. J. and W. J., Jr., Watson. 2,611,615, Sept. 23.
Game skinning rack. R. L. Holton. 2,610,356, Sept. 16.
Game, Spiral. R. C. Hinsen. 2,596,688, May 13.
Game table top having two playing surfaces. R. L. Slattery. 2,608,454, Aug. 26.
Game wicket device. J. M. Prentice and J. R. Umbach. 2,583,493, Jan. 22.
Game with rollable game piece, Enclosed. J. A. Yerkes. 2,601,985, July 1.
Gamma-ethyl-gamma-methylpimelates, Preparing. M. I. Robinson and R. W. Auten. 2,585,409, Feb. 12.
Gamma - nitroalkyl - alpha,beta-dichloro-gamma-crotonolactones. D. T. Mowry. 2,591,589, Apr. 1.
Gamma-nitro-gamma-carbalkoxy butyraldehydes and process. O. A. Moe and D. T. Warner. 2,599,653, June 10.
Gamma-sulfonyl carboxylic acids, Production of. F. Haniisch. 2,603,658, July 15.
Gangplank, Movable. D. S. Whiteman. 2,597,213, May 20.
Gang punching machine. C. E. Emmer. 2,601,108, June 17.
Gang volume control bank. W. H. Knowles, Jr., and W. P. Pegram. 2,620,418, Dec. 2.
Garage door. R. L. Fontaine. 2,597,786, May 20.
Garage door. R. L. Hanrahan. 2,589,938, Mar. 18.
Garage door. P. R. Schreiber. 2,597,824, May 20.
Garage door. S. Siperek. 2,594,360, Apr. 29.
Garage door hanger. W. A. Caldwell. 2,589,049, Mar. 11.
Garage door locking mechanism. R. E. Nowak. 2,580,584, Jan. 1.
Garage door operator. L. A. Boyd. 2,621,038, Dec. 9.
Garbage can and support therefor. D. R. Atkinson. 2,613,010, Oct. 7.
Garbage can cover holder or handle. E. H. Felerabend. 2,610,015, Sept. 9.
Garbage can rack. R. C. Heldenbrand. 2,582,906, Jan. 15.
Garbage can support. G. D. Farquharson. 2,596,541, May 13.
Garbage container and elevated support for same, tiltable. D. J. Hilferty. 2,622,832, Dec. 23.
Garbage disposal and sink soil fitting. W. J. Collison. 2,584,423, Feb. 5.
Garbage disposal apparatus. F. R. Chester. 2,583,997, Jan. 29.
Garbage disposal apparatus. P. V. McNamara and R. B. Nicholson. 2,594,054, Apr. 22.
Garbage disposal unit, Portable. L. E. Gamaunt, Sr. 2,594,635, Apr. 29.
Garbage disposer. J. C. Trotter. 2,591,388, Apr. 1.
Garbarge grinder apparatus. G. R. Coss. 2,619,654, Dec. 2.
Garden hose reel assembly. R. L. Moonshower. 2,583,151, Jan. 22.
Garden implement. E. C. Peach. 2,618,500, Nov. 18.
Garden tool. C. A. Parker. 2,610,886, Sept. 16.
Garden tool. G. M. Timmins. 2,594,598, Apr. 29.
Garden tractor. H. W. Cesan. 2,583,358, Jan. 22.
Garden tractor attachment. W. Burrows. 2,619,887, Dec. 2.
Garden tractor tiller transmission. A. C. Howard. 2,595,854, May 6.
Garment. E. Y. Calde. 2,598,759, June 3.
Garment. R. O. Granert. 2,584,577, Feb. 5.
Garment. L. L. Keefer. 2,594,032, Apr. 22.
Garment. M. A. Kelsall. 2,620,476, Dec. 9.
Garment. M. T. Page. 2,603,788, July 22.
Garment. H. L. Williams. 2,582,811, Jan. 15.
Garment, Adjustable. H. Rosenblatt. 2,607,348, Aug. 19.
Garment, Adjustable. J. W. Thielman. 2,588,453, Mar. 11.
Garment, Adjustable foundation. G. A. Barcley. 2,593,832, Apr. 22.
Garment, Apparel. M. G. Rosenfeld. 2,581,206, Jan. 1.
Garment and cover, Infant's sleeping. M. L. Klein. 2,586,961, Feb. 26.
Garment and brassière, Combination. H. Robins. 2,612,642, Oct. 7.
Garment and element therefor, Foundation. C. R. Anderson. 2,608,078, Aug. 26.
Garment, Baby. A. K. Stepp. 2,599,355, June 3.
Garment bag. I. L. Braverman. 2,606,636, Aug. 12.
Garment bag. B. A. Levitt. 2,594,569, Apr. 29.
Garment bagging machine with bag feeding rollers. J. A. Blake. 2,618,423, Nov. 18.
Garment bagging machine with cutting mechanism for tubular material. J. J. Denton. 2,609,983, Sept. 9.
Garment bagger, Home. C. R. Lendle. 2,584,035, Jan. 29.
Garment belt. E. Krieger. 2,587,490, Feb. 26.
Garment, Bifurcated nether. M. D. Neilson. 2,617,112, Nov. 11.
Garment, Body supporting. A. H. Searles. 2,614,256, Oct. 21.
Garment, Breast supporting. E. W. Duchnofskey. 2,621,328, Dec. 16.
Garment checking bag. H. R. Lefebvre. 2,581,675, Jan. 8.
Garment, Child's one-piece bifurcated winter. J. Weingarten. 2,597,211, May 20.
Garment, Child's sleeping. M. S. Heeter. 2,611,131, Sept. 23.
Garment, Child's sleeping. L. Wendroff. 2,621,336, Dec. 16.
Garment closure. F. Perry. 2,612,643, Oct. 7.
Garment, Colostomy. L. G. Beede. 2,583,721, Jan. 29.
Garment, Combination. M. Egbert. 2,582,772, Jan. 15.
Garment, Combination. L. Pritzker. 2,617,106, Nov. 11.
Garment, Combined skirted and bifurcated. M. C. Helbig. 2,580,774, Jan. 1.
Garment construction. M. Breier. 2,614,258, Oct. 21.
Garment construction. J. Clyne. 2,583,089, Jan. 22.
Garment construction. A. R. Fitch. 2,594,259, Apr. 22.
Garment construction. A. A. Goldstein. 2,589,367, Mar. 18.
Garment construction. H. M. McDonald. 2,601,046, June 17.
Garment construction, Union overall. J. F. Reynolds. 2,585,840, Feb. 12.
Garment, Convertible. K. R. Strauss. 2,598,462, May 27.

Garment, Coverall. A. W. Kunz. 2,588,542, Mar. 11.
Garment drier. R. H. Roberts. 2,599,199, June 3.
Garment, Drop seat. R. A. Moeller. 2,611,132, Sept. 23.
Garment drying rack support. H. W. Hurley. 2,590,410, Mar. 25.
Garment, Fashioned or shaped knitted. L. Silman. 2,618,139, Nov. 18.
Garment finisher, Selectively operated. E. C. Maurer. 2,587,745, Mar. 4.
Garment folding device. A. Arruda. 2,616,595, Nov. 4.
Garment folding equipment. J. W. Steele. 2,610,772, Sept. 16.
Garment form and hanger, Combined. R. R. Walton. 2,584,218, Feb. 5.
Garment form and hanger, Combined. R. R. Walton. 2,617,566, Nov. 11.
Garment, Form constricting and molding. I. Rosner. 2,582,166, Jan. 8.
Garment, Foundation. A. Bayer. 2,620,473, Dec. 9.
Garment, Foundation. M. Kahn. 2,607,037, Aug. 19.
Garment, Foundation. F. Sider. 2,587,911, Mar. 4.
Garment guard. L. Peters. 2,619,688, Dec. 2.
Garment handling means. C. Dahlberg. 2,620,917, Dec. 9.
Garment hanger. B. J. Antolini. 2,620,103, Dec. 2.
Garment hanger. R. Battle. 2,582,669, Jan. 15.
Garment hanger. G. H. Bugenhagen. 2,618,418, Nov. 18.
Garment hanger. G. H. Bugenhagen. 2,620,952, Dec. 9.
Garment hanger. D. L. Carta. 2,581,631, Jan. 8.
Garment hanger. J. J. Cavanagh. 2,583,996, Jan. 29.
Garment hanger. H. C. Cook, Sr. 2,589,926, Mar. 18.
Garment hanger. W. P. Crockett, Jr. 2,588,965, Mar. 11.
Garment hanger. W. P. Crockett, Jr. 2,607,517, Aug. 19.
Garment hanger. W. P. Crockett, Jr. 2,608,325, Aug. 26.
Garment hanger. A. T. Crossland. 2,619,269, Nov. 25.
Garment hanger. A. D'Ambrosio. 2,585,094, Feb. 12.
Garment hanger. F. L. Durr. 2,615,603, Oct. 28.
Garment hanger. H. D. Evans. 2,582,320, Jan. 15.
Garment hanger. H. Fischer. 2,605,030, July 29.
Garment hanger. C. Gold. 2,604,241, July 22.
Garment hanger. B. Heilman. 2,607,516, Aug. 19.
Garment hanger. R. H. Herrick. 2,588,235, Mar. 4.
Garment hanger. W. Houghton. 2,599,260, June 3.
Garment hanger. W. Ludwig. 2,582,495, Jan. 15.
Garment hanger. W. Ludwig. 2,596,263, May 13.
Garment hanger. B. E. Lundman. 2,620,954, Dec. 9.
Garment hanger. W. E. Martin. 2,620,953, Dec. 9.
Garment hanger. A. P. Masciana. 2,594,958, Apr. 29.
Garment hanger. J. A. Moore. 2,589,564, Mar. 18.
Garment hanger. R. K. Odor. 2,622,773, Dec. 23.
Garment hanger. J. Oldham. 2,622,742, Dec. 23.
Garment hanger. W. G. Olpe. 2,591,001, Apr. 1.
Garment hanger. V. H. Pechtel. 2,613,857, Oct. 14.
Garment hanger. V. H. Pechtel. 2,617,568, Nov. 11.
Garment hanger. F. W. Pooley. 2,605,031, July 29.
Garment hanger. R. M. Sprague. 2,613,858, Oct. 14.
Garment hanger. A. K. Stiles. 2,621,835, Dec. 16.
Garment hanger. C. Warren and V. W. Silverman. 2,605,942, Aug. 5.
Garment hanger. C. B. Williams. 2,614,735, Oct. 21.
Garment hanger. E. F. Wyatt. 2,596,001, May 6.
Garment hanging fixture. A. A. Curtis. 2,590,297, Mar. 25.
Garment hanger and form board. E. S. Thompson and N. A. Weitz. 2,615,602, Oct. 28.
Garment hanger track offset. C. Dahlberg. 2,599,614, June 10.
Garment hanger with theft alarm. J. E. Towler. 2,620,761, Dec. 9.
Garment having girth adjusting fastener means, Body. J. L. Wyner. 2,589,916, Mar. 18.
Garment holder. C. Brodkey. 2,580,885, Jan. 1.
Garment, Inner and outer combined bifurcated. J. Deutsch and E. Simon. 2,592,665, Apr. 15.
Garment, Insulated life preserver. B. Berkman. 2,618,257, Nov. 18.
Garment, Knitted. S. Feldman. 2,619,819, Dec. 2.
Garment, Knitted. S. Feldman. 2,622,423, Dec. 23.
Garment, Knitted. M. A. Mintz and G. W. Loveland. 2,615,170, Oct. 28.
Garment, Lady's. A. Licht. 2,605,469, Aug. 5.
Garment, Lady's sleeveless. C. G. Schnurer. 2,593,059, Apr. 15.
Garment, Lengthenable. B. E. Davenport. 2,602,163, July 8.
Garment, Man's apparel. A. P. Rowan. 2,615,166, Oct. 28.
Garment, Maternity. F. E. Allard. 2,617,990, Nov. 18.
Garment or the like, Athletic. S. N. Friedland and W. F. Feinbloom. 2,613,360, Oct. 14.
Garment, Outer. P. C. Kolb and E. A. Byrne. 2,608,690, Sept. 2.
Garment, Overall. J. Werber. 2,616,087, Nov. 4.
Garment, Pedal skirt. G. T. Morgan. 2,613,363, Oct. 14.
Garment protecting attachment for garment hangers. L. M. Jacomini. 2,582,633, Jan. 15.
Garment protecting bag. A. J. Rassenfoss. 2,590,462, Mar. 25.
Garment, Protective. J. Bottolfsen. 2,616,085, Nov. 4.
Garment rack. R. A. Magnuson and N. M. Christiansen. 2,589,269, Mar. 18.
Garment rack. R. A. Magnuson and N. M. Christiansen. 2,589,947, Mar. 18.
Garment reinforcement. W. G. Murphy, Jr. 2,583,225, Jan. 22.
Garment retainer. L. Peters. 2,584,046, Jan. 29.
Garment retaining means. P. H. Simonsen. 2,611,517–18, Sept. 23.
Garment, Safety. G. Ballhe. 2,607,934, Aug. 26.
Garment, Safety. M. R. Koster. 2,589,708, Mar. 18.
Garment safety pin fastener. T. Yanagihara. 2,592,506, Apr. 8.
Garment, Sanitary. N. S. Beck. 2,595,507, May 6.
Garment, Shooting. H. O. Smith. 2,589,636, Mar. 18.
Garment, Sportsman's. L. G. Buck. 2,620,479, Dec. 9.
Garment stay. W. M. Golden. 2,595,133, Apr. 29.
Garment support. C. W. Gregg. 2,617,567, Nov. 11.
Garment support. R. A. Magnuson. 2,606,734, Aug. 12.
Garment-supporting fixture. W. E. Zamboni and K. E. Luger. 2,611,520, Sept. 23.
Garment, Surgical. E. K. McDowell. 2,584,279, Feb. 5.
Garment suspension. S. Eisenberg. 2,597,462, May 20.
Garment tensioning means. M. M. Isaacs. 2,592,148, Apr. 8.
Garment trimming machine. J. Rubin. 2,584,620, Feb. 5.
Garment, Underwear. J. A. S. de Guyot, N. G. de Uribe, and L. P. de Spinelli. 2,622,600, Dec. 23.
Garment with attached diaper tab, Child's. D. E. Shea. 2,620,480, Dec. 9.
Garment with attached shaped feet, Sleeping. S. M. Kephart. 2,605,471, Aug. 5.
Garment with side reinforcements and making same, Side seamed shoulder supported. W. D. Humphlett. 2,598,172, May 27
Garment with sounding novelty, Child's. A. Jelasso, M. Wexler, and M. Hertzberg. 2,582,699, Jan. 15.
Garment, Woman's. B. J. Christensen. 2,613,357, Oct. 14.
Garter. E. R. Visconti. 2,601,681, July 1.
Garter belt, Adjustable. P. J. Morano. 2,618,785, Nov. 25.
Garter belt. P. Blatt. 2,619,645, Dec. 2.
Gas alarm device. G. Mancini. 2,594,951, Apr. 29.
Gas analysis apparatus. L. S. Hazeltine and L. A. Stanfield. 2,585,314, Feb. 12.
Gas analysis apparatus. F. F. Yanikoski. 2,586,899, Feb. 26.
Gas analysis apparatus. W. M. Zaikowsky. 2,591,760, Apr. 8.
Gas analysis apparatus. W. M. Zaikowsky. 2,591,762, Apr. 8.
Gas analyzer and smoke detector. P. E. Cotton. 2,583,930, Jan. 29.
Gas analyzer, Thermal conductivity. W. M. Zaikowsky. 2,591,759, Apr. 8.
Gas and liquid contact pad. H. W. Collins and T. E. Philipps. 2,610,893, Sept. 16.
Gas and liquid separating apparatus. C. W. Hayes and V. G. Martin. 2,619,187, Nov. 25.
Gas and liquid separator apparatus. I. W. Lovelady and S. P. Kroeker. 2,610,697, Sept. 16.
Gas and liquids separator. M. L. Edwards. 2,610,788, Sept. 16.
Gas and steam generator for systems for obtaining fuel gases and other products from natural gas and the like. W. S. Patterson. 2,603,559, July 15.
Gas and steam turbine plant using burner in gas turbine exhaust to heat steam, Combined. V. F. A. Nordström and D. A. Morosoff. 2,604,755, July 29.
Gas and vapor measuring apparatus. W. J. Willenborg. 2,618,150, Nov. 18.
Gas arc torch. G. K. Medicus. 2,594,333, Apr. 29.
Gas atmosphere generating means for heat-treating furnaces. W. H. Holcroft. 2,589,811, Mar. 18.
Gas atmosphere, Preparing. W. H. Holcroft. 2,589,810, Mar. 18.
Gas blanketed arc welding. F. J. Pilia. 2,583,665, Jan. 29.
Gas blanketed metal arc welding. T. McElrath, Jr. 2,606,267, Aug. 5.
Gas blast circuit breaker having parallel connected impedance. H. Thommen and H. Meyer. 2,581,822, Jan. 8.
Gas bubble elimination in liquid-cooled electrical apparatus. K. K. Palnev. 2,615,075, Oct. 21.
Gas burner. R. B. Plass and E. M. Bingham. 2,594,797, Apr. 29.
Gas burner. C. A. Weseman. 2,595,739, May 6.
Gas burner. R. C. Wright. 2,609,866, Sept. 9.
Gas burner. R. C. Wright. 2,612,943, Oct. 7.
Gas burner and cap for supplying secondary air. D. E. Du Perow. 2,590,948, Apr. 1.
Gas burner and flame deflector. V. R. Abrams. 2,587,802, Mar. 4.
Gas burner and sectional hearth. P. Ketelsen. 2,592,911, Apr. 15.
Gas burner and valve operator, Laboratory. L. Riebman and S. Lambert. 2,609,870, Sept. 9.
Gas burner controlling means. E. J. Dillman and J. E. Fleury. 2,582,419, Jan. 15.
Gas burner having multiple primary air inlets. J. A. Whittington. 2,615,509, Oct. 28.
Gas burner having radiant foraminous combustion chamber walls. J. Manteria. 2,621,721, Dec. 16.
Gas burner having removable port-forming grid. L. M. Welnandy. 2,607,405, Aug. 19.
Gas burner head. R. E. James and A. J. Lampert. 2,615,510, Oct. 28.

Gas burner, including combustion tunnel. R. M. Buck. 2,581,075, Jan. 1.
Gas burner jet flash tube and connector. P. S. Harper. 2,597,480, May 20.
Gas burner system utilizing safety push button. W. A. Ray. 2,601,321, June 24.
Gas burner with flame retaining ports. E. E. Tavener. 2,588,895, Mar. 11.
Gas burner with flame retention ports. F. Todd. 2,594,094, Apr. 22.
Gas burner with secondary air feed. C. M. Wheelock. 2,610,676, Sept. 16.
Gas burner with secondary air supply. L. R. Poschadel. 2,588,759, Mar. 11.
Gas burner with vertically spaced outlet slots. V. R. Abrams. 2,621,722, Dec. 16.
Gas burner with vertically spaced ports and interior baffle. I. V. Brumbaugh. 2,609,871, Sept. 9.
Gas burning heating apparatus. J. N. Loughner. 2,622,586, Dec. 23.
Gas burning metal tire heater. A. J. Corns. 2,589,778, Mar. 18.
Gas-burning torch. R. M. Varley. 2,600,709, June 17.
Gas-burning wall heater. J. H. Hollingsworth and K. L. Bedell. 2,602,441, July 8.
Gas by-pass for crude oil storage tanks. W. C. Sanders. 2,592,072, Apr. 8.
Gas carbureting apparatus. S. P. Jones. 2,587,165, Feb. 26.
Gas cleaning. P. H. Karlsson. 2,582,133, Jan. 8.
Gas cleaning apparatus. H. A. Wintermute. 2,593,377, Apr. 15.
Gas control for cooking ranges. A. G. Sherman. 2,597,266, May 20.
Gas control valve. R. W. Johnson and F. F. Heiser. 2,587,480, Feb. 26.
Gas control valve. C. S. Stuckenholt. 2,584,936, Feb. 5.
Gas conversion apparatus. D. F. Buckley. 2,586,416, Feb. 19.
Gas discharge device for gas bombs. S. H. Petry. 2,608,319, Aug. 26.
Gas discharge tube with movable electrode. E. M. Delorraine and A. H. Reeves. 2,624,025, Dec. 30.
Gas disengaging combination for catalytic contacting apparatus. D. D. McKinney. 2,599,568, June 10.
Gas-driven engine starting motor using solid fuel cartridges. R. M. Nardone. 2,620,627, Dec. 9.
Gas ejector apparatus for a catalyst regenerator. G. A. Worn. 2,620,967, Dec. 9.
Gas engine. C. H. Schowalter. 2,594,224, Apr. 22.
Gas engine of the bellows type, Hot. J. W. L. Köhler, C. O. Jonkers, W. H. Stigter and A. A. Liebe. 2,611,236, Sept. 23.
Gas escape reaction propulsion device. A. C. Hutchison and M. Wilson. 2,617,251, Nov. 11.
Gas expanded plastic materials, Preparation of. R. L. Schlessinger. 2,588,885, Mar. 11.
Gas-expanded plastic materials, Preparation of. R. L. Stander. 2,598,077–8, May 27.
Gas extraction apparatus. R. C. Pryor. 2,622,694, Dec. 23.
Gas-filled discharge tube circuits. D. S. Ridler and D. A. Weir. 2,623,199, Dec. 23.
Gas filled electric discharge device. C. H. Foulkes. 2,593,429, Apr. 22.
Gas filled thyratron. H. D. Doolittle. 2,613,336, Oct. 7.
Gas filter. G. Gerson. 2,586,935, Feb. 26.
Gas-fired hot-air furnace. W. V. Rifle. 2,622,585, Dec. 23
Gas flow control apparatus. W. C. Conkling. 2,619,114, Nov. 25.
Gas flow control for electrical precipitators and the like. H. A. Wintermute. 2,608,266, Aug. 26.
Gas fueled lighter mechanism. A. L. Flamm. 2,612,033, Sept. 30.
Gas fueled simmer burner with flame retaining ports. P. S. Harper and V. C. Peterson. 2,619,164, Nov. 25.
Gas furnace. J. N. Ross. 2,604,935, July 29.
Gas generator. R. L. Mayhew. 2,594,329–30, Apr. 29.
Gas generator and waste heat boiler. W. S. Patterson. 2,601,001, June 17.
Gas hammer. S. B. Maurer and H. P. Ebert. 2,609,813, Sept. 9.
Gas heater. F. O. Hess. 2,583,736, Jan. 29.
Gasholder. H. C. Brinkman and K. R. Weber. 2,596,066, May 6.
Gas igniter tube for burners, Automatic. S. A. Sloan. 2,591,626, Apr. 1.
Gas leak detector. O. Centofanti. 2,582,859, Jan. 15.
Gas lift. G. A. Humason. 2,612,111, Sept. 30.
Gas-liquid admixing apparatus. C. V. De Wees. 2,610,839, Sept. 16.
Gas manifold and valve for analyzing gas mixtures. L. V. Guild. 2,613,082, Oct. 7.
Gas, Manufacture of. W. O. Keeling. 2,590,869, Apr. 1.
Gas mask. G. M. Glidden. 2,588,516, Mar. 11.
Gas mixer. J. Teti. 2,618,540, Nov. 18.
Gas mixing apparatus. T. L. Clift. 2,600,733, June 17.
Gas mixing control method and apparatus. E. X. Schmidt and C. W. Warner. 2,608,199, Aug. 26.
Gas mixing method and blowpipe apparatus. J. Villoresi and A. P. Scheller. 2,614,616, Oct. 21.
Gas mixture containing carbon monoxide and hydrogen, Manufacture of. F. T. Barr and H. Z. Martin. 2,592,377, Apr. 8.
Gas mixtures containing carbon monoxide and hydrogen, Production of. W. K. Lewis, Jr. 2,607,670, Aug. 19.
Gas mixtures rich in ammonia in generators, Manufacture of. Z. von Gálocsy. 2,582,936, Jan. 15.
Gas nozzle and horizontal mixing tube for gas burners, Inclined. H. H. Nadasdy. 2,604,151, July 22.
Gas plating. O. F. Davis and H. G. Belitz. 2,619,433, Nov. 25.
Gas, piston for firearms. E. M. Harvey. 2,582,989, Jan. 22.
Gas piston operated firearm. J. A. Elfstrom. 2,581,395, Jan. 8.
Gas pressure operated oil well pump. P. G. Carpenter. 2,622,535, Dec. 23.
Gas pressure operated well apparatus. M. B. Conrad. 2,618,343, Nov. 18.
Gas pressure regulator. J. S. Senesky. 2,615,287, Oct. 28.
Gas producer and method of operation. R. W. Bailey. 2,622,972, Dec. 23.
Gas-producing nondetonating composition. J. Taylor and A. C. Hutchison. 2,604,391, July 22.
Gas purifying method and apparatus. D. Aronson. 2,590,145, Mar. 25.
Gas range. R. S. Taylor. 2,611,358, Sept. 23.
Gas rectifier tube employing magnetic field. J. H. Coleman. 2,615,139, Oct. 21.
Gas reciprocating engine comprising a device for varying the amount of working medium in such engines, Hot. H. de Brey and F. L. van Weenen. 2,611,237, Sept. 23.
Gas saving device. P. R. Rowland. 2,603,197, July 15.
Gas saving device and starting auxiliary fuel injector for internal-combustion engines. T. G. Leake. 2,623,512, Dec. 30.
Gas scrubber. H. Doyle. 2,621,754, Dec. 16.
Gas scrubber, Horizontal. R. C. Ortgies. 2,608,267, Aug. 26.
Gas scrubber provided with rotary spraying device and indicator. E. Schellenburg. 2,621,032, Dec. 9.
Gas scrubber, Submerged blast. J. F. Alcock. 2,608,399, Aug. 26.
Gas scrubbing device. W. R. Edwards. 2,593,548, Apr. 22.
Gas seal. O. N. Summers. 2,586,739, Feb. 19.
Gas separation. L. W. Royer. 2,614,904, Oct. 21.
Gas separation apparatus. C. J. Schilling. 2,619,336, Nov. 25.
Gas separation apparatus with liquid level controller. H. E. Shobe. 2,616,514, Nov. 4.
Gas separator. J. A. Campbell. 2,590,681, Mar. 25.
Gas shutoff device for printing presses, Automatic. W. F. Burke and R. L. Essex. 2,598,346, May 27.
Gas-solid contact reactor. W. van Loon. 2,613,138, Oct. 7.
Gas stove with burner and combustion control assembly. G. P. Prather. 2,617,404, Nov. 11.
Gas torch machine for cutting structural shapes. J. M. Tyrner. 2,600,754, Aug. 12.
Gas treatment and apparatus therefor. G. F. Russell, Jr. 2,588,296, Mar. 4.
Gas tube. W. J. O'Brien. 2,620,460, Dec. 2.
Gas tube circuit. E. O. Johnson and W. M. Webster, Jr. 2,591,825, Apr. 8.
Gas tube input circuit. J. Kurshan. 2,603,766, July 15.
Gas turbine. A. Frankel and A. B. Mitchell. 2,618,461, Nov. 18.
Gas turbine. J. A. Rawlins. 2,605,995, Aug. 5.
Gas turbine aircraft propulsion installation with auxiliary air intake. W. E. P. Johnson. 2,604,278, July 22.
Gas turbine-driven auxiliary power and air conditioning system. K. M. Brown and F. H. Green. 2,618,470, Nov. 18.
Gas-turbine engine. F. W. W. Morley and T. E. G. Gardiner. 2,620,157, Dec. 2.
Gas turbine engine associated with a gas producer under pressure. M. H. L. Sédille and P. H. Ménard. 2,592,749, Apr. 15.
Gas turbine engine driving a propeller. L. Haworth. 2,619,797, Dec. 2.
Gas turbine engine with starting device and automatic fuel control means. D. H. Ballantyne and H. E. W. West. 2,610,466, Sept. 16.
Gas turbine fuel control having both a normal speed and an emergency control. L. W. Keil. 2,596,815, May 13.
Gas turbine installation operating on gaseous fuels. M. H. L. Sédille. 2,621,476, Dec. 16.
Gas turbine motor of reduced dimensions. R. J. Imbert and M. H. L. Sédille. 2,601,612, June 24.
Gas turbine nozzle and bucket shroud structure. A. Howard. 2,606,741, Aug. 12.
Gas turbine nozzle box. W. Boyd and J. T. Purvis. 2,608,057, Aug. 26.
Gas turbine plant having a dynamic compressor for normal and high load operation and a positive displacement compressor for low load operation. E. G. Sterland. 2,619,796, Dec. 2.
Gas turbine plant having a plurality of flame tubes and axially slidable means to expose same. G. B. R. Feilden. 2,614,384, Oct. 21.
Gas turbine plant, including multiple fluid operated motors with treatment between stages. R. J. Welsh. 2,608,055, Aug. 26.

Gas turbine plant using solid ash-containing fuel. C. H. Davy and T. B. Webb. 2,616,256, Nov. 4.
Gas turbine power plant and boundary layer control system for aircraft. E. A. Stalker. 2,605,983, Aug. 5.
Gas turbine power plant having auxiliary turbine driven by fuel gas being supplied to the combustion chamber. H. Pfenninger. 2,599,480, June 3.
Gas turbine power plant having fuel cut-off valve actuated by an overspeed governor. D. M. Poole. 2,609,656, Sept. 9.
Gas turbine power plant having means for joint control of the fuel and the air supply. A. Lysholm. 2,613,500, Oct. 14.
Gas turbine power plant having means to cool and means to compress combustion products passing through the turbine. R. Birmann. 2,623,357, Dec. 30.
Gas turbine power plant having means to reduce air supply in response to sudden load decrease. H. Pfenninger. 2,618,926, Nov. 25.
Gas turbine power plant having propeller drive. N. C. Price. 2,613,749, Oct. 14.
Gas turbine power plant, including means to treat combustion products between successive stages of expansion. M. H. L. Sédille. 2,584,232, Feb. 5.
Gas turbine power plant, including planetary gearing between a compressor, turbine, and power consumer. P. P. Newcomb. 2,583,872, Jan. 29.
Gas turbine power plant with tank supplied by long conduit having volume over six times that of the intermittent combustion gas generator. M. Kadenacy. 2,581,669, Jan. 8.
Gas turbine propulsion unit for aircraft. A. Lysholm. 2,620,626, Dec. 9.
Gas turbine rotor cooling means. J. A. N. Galliot. 2,600,235, June 10.
Gas turbine system with means providing for expansion and contraction. H. A. Altorfer. 2,592,372, Apr. 8.
Gas turbine unit for driving electric generators. C. Nicolin, O. A. Wiberg, and F. E. O. Östmar. 2,585,576, Feb. 12.
Gas turbine with fluid-driven auxiliary drive. A. A. Griffith. 2,612,020, Sept. 30.
Gas valve. C. M. Garner. 2,598,902, June 3.
Gas valve. P. S. Harper. 2,590,535, Mar. 25.
Gas valve. C. C. Lamar. 2,590,550, Mar. 25.
Gas valve. V. C. Peterson. 2,590,569, Mar. 25.
Gas valve assembly for oil wells. L. O. Wharton, Jr. 2,595,824, May 6.
Gas-washing apparatus. A. J. Ebner. 2,600,743, June 17.
Gas welding and cutting tip. I. Cowles. 2,623,577, Dec. 30.
Gaseous curtain for ventilating exhaust. C. B. Schnelble. 2,593,702, Apr. 22.
Gaseous-discharge device. K. J. Germeshausen. 2,592,556, Apr. 15.
Gaseous discharge device. J. Rothstein. 2,582,282, Jan. 15.
Gaseous discharge device. C. G. Smith. 2,595,716, May 6.
Gaseous discharge device. P. W. Stutsman. 2,584,758, Feb. 5.
Gaseous discharge device. P. W. Stutsman. 2,605,438, July 29.
Gaseous discharge device. M. A. Townsend. 2,607,902, Aug. 19.
Gaseous discharge device, Electric. J. A. Roy and R. S. Ives. 2,607,014, Aug. 12.
Gaseous-discharge make-alive device. J. L. Boyer and J. Slepian. 2,600,196, June 10.
Gaseous discharge tube. E. W. Hullegård. 2,612,625, Sept. 30.
Gaseous electric discharge device. W. J. Scott. 2,617,957, Nov. 11.
Gaseous electric discharge device circuits. N. O. Clark 2,614,243, Oct. 14.
Gaseous electron tube circuits. E. O. Johnson. 2,619,622, Nov. 25.
Gaseous flow regulator. S. H. Christensen. 2,614,747, Oct. 21.
Gaseous fuel, Preparation of. C. E. Hemminger. 2,605,178, July 29.
Gaseous mixture rich in hydrogen, Manufacture of a. C. Alexander and G. H. Palmer. 2,618,542, Nov. 18.
Gaseous phase photohalogenation of hydrocarbons. J. A. Pianfetti and R. W. Timmerman. 2,606,867, Aug. 12.
Gaseous treatment of filamentary textile material at supersonic and subsonic gas velocities and apparatus therefor. D. Finlayson and M. W. Alford. 2,622,961, Dec. 23.
Gaseous tube selecting switch for use in automatic telephony. K. Käell and E. W. Hullegård. 2,598,392, May 27.
Gasification of carbonaceous materials. H. G. M. Fischer and A. B. Welty, Jr. 2,618,544, Nov. 18.
Gasifier for heavy fuels in internal-combustion engines. W. van den Bosch. 2,617,633, Nov. 11.
Gasifying carbonaceous fuels. F. T. Barr, B. E. Roethell, and W. G. Scharmann. 2,588,075, Mar. 4.
Gasifying fuels. E. J. Gohr. 2,588,076, Mar. 4.
Gasifying solid fuels. F. T. Barr. 2,622,973, Dec. 23.
Gasket. E. Cousins. 2,597,976, May 27.
Gasket. T. L. Smith. 2,616,736, Nov. 4.
Gasket and seal, Refrigerator. H. G. Beck. 2,607,966, Aug. 26.
Gasket clip. A. J. Aukers and R. A. Church. 2,593,648, Apr. 22.
Gasket cutter. W. Wagner. 2,612,686, Oct. 7.
Gasket for cabinets, Magnetic. G. S. Hill. 2,603,843, July 22.
Gasket for pipe joints. R. E. Risley and A. J. Whitehill. 2,610,078, Sept. 9.
Gasket for pressure cookers. M. B. Wenscott and C. O. Strom. 2,600,714, June 17.
Gasket, Jacketed. C. M. Hobson, Jr. 2,580,546, Jan. 1.
Gasket type sealing structure having deformable metal rings. C. L. Scheer. 2,616,946, Nov. 4.
Gasketed cover for isolated phase bus. N. Swerdlow and G. G. Abel. 2,613,845, Oct. 14.
Gasoline container. C. W. Taylor. 2,594,235, Apr. 22.
Gasoline economiser. L. Gaddoni. 2,616,445, Nov. 4.
Gasoline economizer valve. L. Gaddoni. 2,581,478, Jan. 8.
Gasoline-electric drive for vehicles. O. F. Quartullo. 2,589,863, Mar. 18.
Gasoline or other liquid dispensing means. C. C. Morrison. 2,611,320, Sept. 23.
Gate: *See*—
- Adjustable width gate.
- All stock control gate.
- Automatic farm gate.
- Automatic gate.
- Automatically opening head gate.
- Automatic return farm gate.
- Automatic vertically pivoted gate.
- Control gate.
- Drive-through gate.
- Electronic cathode gate.
- Electric farm gate.
- Folding tail gate.
- Hydraulic gate.
- Pouring gate.
- Removable gate.
- Self-closing gate.
- Side-plug hydraulic cellar gate.
- Sluice gate.
- Spillway gate.
- Starting gate.
- Traffic gate.
- Variable-speed signaling crossing gate.
- Vehicle actuated gate.

Gate. J. B. Merchant. 2,585,152, Feb. 12.
Gate. L. C. Tilbury 2,599,211, June 3.
Gate and latch, Intermediate pivot. S. W. Webb. 2,583,070, Jan. 22.
Gate construction. B. S. Hardy. 2,603,895, July 22.
Gate construction, Electrified. A. H. Meyer, Jr. 2,605,565, Aug. 5.
Gate control, Automatic. J. V. L. Kemp. 2,594,033, Apr. 22.
Gate control for filling columns. F. C. Simon. 2,611,465, Sept. 23.
Gate for material-handling hoppers, Feed control. M. W. Roscoe and R. L. Beldin. 2,597,186, May 20.
Gate hinge. H. W. Steward. 2,602,954, July 15.
Gate latch. W. B. Adams. 2,609,223, Sept. 2.
Gate latch. C. E. Dole. 2,592,871, Apr. 15.
Gate latch. L. E. Heldenbrand. 2,593,560, Apr. 22.
Gate latch. J. W. Kelley. 2,587,167, Feb. 26.
Gate latch. G. W. Schweitzer. 2,585,177, Feb. 12.
Gate mechanism for cigar bunch machines. S. T. Gustavson. 2,611,371, Sept. 23.
Gate moving means for vehicles. W. C. Anthony and L. W. Wachter. 2,593,240, Apr. 15.
Gate of barrage, Hydraulic. F. Jermáf. 2,592,287, Apr. 8.
Gate operator. G. D. Wueste. 2,593,379, Apr. 15.
Gate or the like. S. G. Buckland and G. E. Hopkins. 2,594,864, Apr. 29.
Gate structure. B. W. Haskett. 2,582,122, Jan. 8.
Gate valve. H. Allen. 2,591,038, Apr. 1.
Gate valve. P. Y. Duffee. 2,589,784, Mar. 18.
Gate valve. L. S. Hamer. 2,616,655, Nov. 4.
Gate valve. G. S. Lane. 2,601,304, June 24.
Gate valve. M. P. Laurent. 2,583,512, Jan. 22.
Gate valve. D. S. Mellett. 2,584,083, Jan. 29.
Gated amplifier circuit. E. O. Keizer. 2,586,957, Feb. 26.
Gathering table. H. H. Talbot. 2,602,537, July 8.
Gauge: *See*—
- Adjustable and retractable internal thread gauge.
- Adjustable gauge.
- Adjustable bore gauge.
- Adjustable liquid gauge.
- Adjustable ring and thread gauge.
- Adjustable ring gauge.
- Adjustable thread ring gauge.
- Alarm gauge.
- Aligned thread gauge.
- Ammunition cartridge gauge.
- Analyzer gauge.
- Automatic fuel gauge.
- Axle alignment gauge.
- Bore gauge.
- Brake shoe gauge.
- Calibrated liquid level gauge.
- Caliper gauge.
- Capacitance type liquid quantity gauge.
- Combination offset and straight internal bore gauge.
- Center gauge.
- Centering gauge.
- Chain saw depth gauge.
- Chain saw gauge.
- Color correction gauge.
- Compression checking gauge.
- Continuous maximum-reading damped pressure gauge.
- Contour gauge.
- Crutch gauge.
- Crystal pressure gauge.
- Cylinder bore contour gauge.
- Depth-of-groove gauge.
- Dial bore gauge.
- Differential measuring gauge.
- Dimension gauge.
- Dimensional tolerance gauge.
- Distance comparator gauge.
- Distant reading liquid reservoir gauge.
- Distributor contact point gauge.
- Door window and panel fitting gauge.
- Double-diameter indicator gauge.
- Drawer pull gauge.

Gauge: *See*—Continued.
- Drill point gauge.
- Drilling gauge.
- Electric strain gauge.
- Electrical water gauge.
- Electronic blast gauge.
- Electronic bore gauge.
- Electronic concentricity and groove parallel gauge.
- Electronic thickness gauge.
- Filling gauge.
- Filtering liquid level gauge.
- Flexible chamber pressure gauge.
- Floating roof tank gauge.
- Fluid flow gauge.
- Fluid pressure sensitive gauge.
- Force gauge.
- Free piston impulse blast gauge.
- Glass cutting gauge.
- Gun trigger pull gauge.
- Inside gauge.
- Interferometer gauge.
- Internal dimension gauge.
- Ionization gauge.
- Ionization vacuum gauge.
- Keyway location gauge.
- Lapping thread ring gauge.
- Liquid level gauge.
- Liquid level tank gauge.
- Magnetic gauge.
- Measuring gauge.
- Metal scribing gauge.
- Micrometer height gauge.
- Miter gauge.
- Mud pressure gauge.
- Parallel wedge gauge.
- Pellet crusher pressure gauge.
- Phosphorizing apparatus flow gauge.
- Pilot gauge.
- Pipe layout gauge.
- Plug gauge.
- Pneumatic inspection gauge.
- Portable air gauge.
- Precision gauge.
- Pressure gauge.
- Radiation type thickness gauge.
- Rain gauge.
- Resonance type capacitance responsive gauge.
- Rotary liquid level gauge.
- Ruler gauge.
- Ruling pen gauge.
- Self-leveling tiltable vacuum gauge.
- Setback gauge.
- Shaft gauge.
- Slip rod gauge.
- Snap gauge.
- Strain responsive gauge.
- Strain wire gauge.
- Taper gauge.
- Temperature compensated gauge.
- Thickness gauge.
- Three-wire screw thread gauge.
- Tide gauge.
- Tire gauge.
- Tire pressure gauge.
- Tire tread gauge.
- Toe in or toe out wheel alignment gauge.
- Turn gauge.
- Twist drill gauge.
- Underwater explosion gauge.
- Universal scratch gauge.
- Vacuum gauge.
- Valve clearance gauge.
- Wall thickness gauge.
- Water gauge.
- Wedge parallel gauge.
- Well pressure gauge.
- Wheel alignment gauge.
- Wheel gauge.
- Wheel track gauge.
- Wheel type screw thread gauge.
- Wood planer blade setting gauge.

Gauge. W. Ames. 2,608,947, Sept. 2.
Gauge. A. Brandt. 2,616,182, Nov. 4.
Gauge. H. H. Gates and P. A. Grobey. 2,588,820, Mar. 11.
Gauge. R. D. Hubbs. 2,599,180, June 3.
Gauge. G. N. Levesque. 2,581,264, Jan. 1.
Gauge. L. R. Pistoles. 2,597,030, May 20.
Gauge. L. R. Pistoles. 2,610,409, Sept. 16.
Gauge. J. Samotey. 2,617,199, Nov. 11.
Gauge. V. J. Zalanskas. 2,596,637, May 13.
Gauge adapter for vehicle lifts, Narrow. T. E. Reedy. 2,602,633, July 8.
Gauge and fixture set, Combination. C. A. Comstock. 2,593,986, Apr. 22.
Gauge and grooving device for dowel pins and the like, Combined. K. A. Springer. 2,612,193, Sept. 30.
Gauge and guide, Pie cutting. J. B. Tweeten. 2,605,547, Aug. 5.
Gauge assembly for rip saw, Rip. A. V. Neal. 2,587,199, Feb. 26.
Gauge attachment for saw machines. L. C. West. 2,619,134, Nov. 25.
Gauge block finishing. R. Gaerlich. 2,588,227, Mar. 4.
Gauge controlled grinding wheel feed mechanism. M. Bontemps. 2,603,043, July 15.
Gauge for ballast tanks, Liquid level. J. N. Matthews. 2,581,427, Jan. 8.
Gauge for checking parts of cylindrical articles. E. C. Moss. 2,609,609, Sept. 9.
Gauge for circular form tools, Scribing and inspecting. H. R. and H. J. Somma. 2,608,764, Sept. 2.
Gauge for cone tipped tools. G. E. Hall. 2,608,767, Sept. 2.
Gauge for drill presses, Depth. C. F. Deane. 2,584,676, Feb. 5.
Gauge for indicating pressure increase caused by heat in tires. D. H. Welsh and E. A. Means. 2,614,429, Oct. 21.
Gauge for internal tapered threads. J. Raout. 2,622,336, Dec. 23.
Gauge for lighters, Fluid content. E. L. Ahlgren. 2,609,692, Sept. 9.
Gauge for marking garment belts. E. A. Maxant. 2,601,621, June 24.
Gauge for measuring curved surfaces. E. C. Moss. 2,592,316, Apr. 8.
Gauge for measuring thickness of thin films, Step. K. B. Blodgett. 2,587,282, Feb. 26.
Gauge for oil drums, Oil. A. Neumann. 2,593,172, Apr. 15.
Gauge for pressure tanks, Liquid level. H. A. Quist. 2,585,680, Feb. 12.
Gauge for roll crowns. J. A. Elmes. 2,609,610, Sept. 9.
Gauge for sawing machines. G. M. Gustin. 2,622,637, Dec. 23.
Gauge for sheet feeders, Side. F. R. Belluche. 2,595,630, May 6.
Gauge for thread rolling dies, Aligning. A. J. Coutu. 2,603,879, July 22.
Gauge for vehicle wheels. J. L. Wilson. 2,590,590, Mar. 25.
Gauge having pivoted elements. P. W. Johnson. 2,601,119, June 17.
Gauge having pivoted jaws, Snap-ring. P. W. Johnson. 2,593,309, Apr. 15.
Gauge head for pneumatic gauges. R. S. Fox. 2,623,294, Dec. 30.
Gauge holder. W. E. Carroll. 2,582,679, Jan. 15.
Gauge stop for glass tables. O. M. Itaya. 2,595,079, Apr. 29.
Gauge with contact pressure indicator, Micrometric thickness. A. D. Neal, H. D. Peet, and G. J. Dell. 2,595,477, May 6.
Gauge with pivotal and laterally movable gauge member. P. W. Johnson. 2,611,965, Sept. 30.
Gauging and assorting device, Automatic. G. H. Kendall. 2,592,157, Apr. 8.
Gauging and marking device. A. T. Shack and W. L. Zemberry. 2,587,774, Mar. 4.
Gauging and sampling hatch. H. A. Quist. 2,588,876, Mar. 11.
Gauging apparatus. J. H. Worthen. 2,615,254, Oct. 28.
Gauging device. L. J. Schulze. 2,594,077, Apr. 22.
Gauging device for checking axis relationship. L. J. Mahlmeister. 2,594,046, Apr. 22.
Gauging fixture. S. H. Norton. 2,621,414, Dec. 16.
Gauging of articles for diameter. T. A. Jagen. 2,607,481, Aug. 19.
Gauging or checking screw threads. A. Scrivener. 2,620,569, Dec. 9.
Gauss meter. L. I. Mendelsohn. 2,588,143, Mar. 4.
Gear: *See*—
- Air spring dual wheel running gear.
- Continuous change-speed gear.
- Draft gear.
- Electrohydraulic ship steering gear.
- Epicyclic gear.
- Expanding-pulley variable-speed gear.
- Fishing gear.
- Hauling and hoisting gear.
- Hydropneumatic suspension gear.
- Infinitely variable friction wheel gear.
- Infinitely variable gear.
- Landing gear.
- Planetary change-speed gear.
- Retractable landing gear.
- Screw and nut actuating gear.
- Toy ground-controlled landing gear.
- Traveling coil lifting gear.
- Variable-speed changing gear.
- Variable-speed gear.
- Variable-speed transmission gear.

Gear alignment fixture for gear shapers. C. S. Davis, Jr., S. Humphries, and C. A. Ricard. 2,618,071, Nov. 18.
Gear and motor, Sanitary. W. P. Schmitter. 2,600,697, June 17.
Gear arrangement for transmissions. R. G. Le Tourneau. 2,616,301, Nov. 4.
Gear assembly for totalizators. A. F. and G. A. Julius. 2,580,790, Jan. 1.
Gear box. A. Brewster. 2,591,127, Apr. 1.
Gear box. H. G. Kirkpatrick. 2,603,110, July 15.
Gear case and drive axle mounting for tractors. J. A. Blazier. 2,608,261, Aug. 26.
Gear case and propeller shaft bearing for outboard motors. E. C. Kiekhaefer. 2,609,783, Sept. 9.
Gear case with magnetic lubricant purifying means. K. N. Mills. 2,622,699, Dec. 23.
Gear casing. B. J. Merkle. 2,581,123, Jan. 1.
Gear chamfering hob. N. C. Remich. 2,597,129, May 20.
Gear checking apparatus. A. S. Oriandi. 2,623,295, Dec. 30.
Gear clutch mechanism. R. Lapsley. 2,588,855, Mar. 11.
Gear construction, Planetary. N. A. Smith and K. L. Darrah. 2,591,734, Apr. 8.
Gear cover or guard for textile drafting apparatus. F. G. De Santis. 2,618,025, Nov. 18.
Gear cutter. H. G. Hartman. 2,586,428, Feb. 19.
Gear-cutting apparatus. A. F. Zamis. 2,589,759, Mar. 18.
Gear cutting machine. E. Matera. 2,606,481, Aug. 12.
Gear device for motorcars. J. Madsen. 2,603,111, July 15.
Gear drive. R. R. English and N. Cappelle. 2,607,238, Aug. 19.
Gear finishing. D. D. Austin, Sr. 2,617,331, Nov. 11.
Gear finishing machine. K. J. Davis. 2,612,080, Sept. 30.
Gear finishing machine. W. S. Praeg. 2,585,271, Feb. 12.
Gear finishing machine, Automatic. W. S. Praeg. 2,585,272, Feb. 12.
Gear-finishing method. M. B. Mentley. 2,585,261, Feb. 12.
Gear for cycles and the like, Change-speed. L. Juy. 2,590,975, Apr. 1.
Gear for motor vehicles, Steering. J. Köpfli. 2,600,885, June 17.
Gearing for power transmissions. E. Woydt. 2,618,988, Nov. 25.
Gear for route or destination indicators, Driving. G. Hayes. 2,608,882, Sept. 2.

Gear for suspension cranes, Monorail running. A. Gräf. 2,583,833, Jan. 29.
Gear for swinging axles, Fluid power steering. F. P. Martin. 2,582,142, Jan. 8.
Gear grinding machine. J. Riley. 2,620,599, Dec. 9.
Gear hardening machine. G. O. Gridley. 2,582,929, Jan. 15.
Gear member. S. P. De Mato. 2,584,793, Feb. 5.
Gear-operated crankcase drain plug wrench. W. C. Jenson. 2,583,266, Jan. 22.
Gear-operated socket wrench. P. Isaac. 2,590,706, Mar. 25.
Gear power take-off drive for hammer mills. A. H. Bottorff. 2,590,675, Mar. 25.
Gear pump. J. E. Cintron. 2,601,004, June 17.
Gear pump. R. J. Gray. 2,623,469, Dec. 30.
Gear pump. J. P. Johnson. 2,622,534, Dec. 23.
Gear pump. G. W. Pontius, III. 2,601,003, June 17.
Gear shaper. W. S. Praeg. 2,604,016, July 22.
Gear shaping machine with eccentric cutter relief. E. W. Miller. 2,596,343, May 13.
Gear shift for toy steering wheels. L. Solomon. 2,581,976, Jan. 8.
Gear shift, Motorcycle. G. A. Tatge. 2,617,505, Nov. 11.
Gear shifting attachment. P. M. Koch. 2,623,402, Dec. 30.
Gear shifting in high-power manifold units. M. A. J. Honnoré and P. M. F. Zens. 2,590,861, Apr. 1.
Gear testing and finishing machine. W. H. Petit. 2,590,203, Mar. 25.
Gear testing apparatus. W. A. Schulte. 2,621,417, Dec. 16.
Gear testing machine. O. F. Bauer. 2,582,408, Jan. 15.
Gear tooth lead testing device. G. C. Razor. 2,612,701, Oct. 7.
Gear train. K. W. Mozur. 2,581,128, Jan. 1.
Gear transmission system. J. L. Christmann. 2,615,341, Oct. 28.
Gear unit, Reduction. R. B. Tharpe and H. A. McAninch. 2,605,645, Aug. 5.
Gear wheel testing apparatus. K. Müller. 2,602,236, July 8.
Gear with multiple friction, Gradual change-speed. G. Rougelot. 2,583,496, Jan. 22.
Gearing. T. A. Kestell. 2,589,090, Mar. 11.
Gearing. W. W. Sloane. 2,585,971, Feb. 19.
Gearing and locking means. H. C. Warner. 2,620,698, Dec. 9.
Gearing for grain drills. R. R. Borngraeber. 2,585,218, Feb. 12.
Gearing for tractors, Travel-speed reduction. A. C. Howard. 2,608,877, Sept. 2.
Gearing of accessories for gas turbines. W. L. Gross and J. O. P. Hughes. 2,594,642, Apr. 29.
Geiger tube radiation meter. J. M. Constable. 2,584,844, Feb. 5.
Gel bead forming method and apparatus. H. A. Shabaker. 2,616,857, Nov. 4.
Gel-type fuel and making same. J. V. Hunn. 2,618,536, Nov. 18.
Gel-type grease. W. B. Whitney. 2,623,017, Dec. 23.
Gels of carboxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,599,771, June 10.
Gelatin derivative, Producing. D. H. Campbell, J. B. Koepfli, and L. Pauling. 2,591,133, Apr. 1.
Gelatin silver halide emulsion layer containing a dihydroxy diphenyl tanning developing agent. E. C. Yackel. 2,592,368, Apr. 8.
Gem setting and articles of jewelry made therefrom. C. Holl. 2,584,207, Feb. 5.
Gem settings, Making. M. Manne. 2,610,385, Sept. 16.
Gem stone for articles of jewelry. G. W. Crise. 2,587,972, Mar. 4.
Gem vise. J. J. Lea. 2,612,735, Oct. 7.
General utility clamp. H. D. Ahlstrom and E. N. Foltz. 2,596,111, May 13.
General utility gripping tool. H. R. Elliott. 2,585,098, Feb. 12.
General utility lamp. J. Campo. 2,618,451, Nov. 18.
Generating an accurately focused beam of charged particles. R. J. Van de Graaff and W. W. Buechner. 2,608,664, Aug. 26.
Generating electric traction and control system. T. O. Lilliquist. 2,591,840, Apr. 8.
Generating electrical energy from a radioactive source. E. G. Linder. 2,598,925, June 3.
Generating gases within plastic materials. P. J. Carpentier. 2,589,537, Mar. 18.
Generating helical grooves, Method and apparatus for. J. Jabour. 2,595,460, May 6.
Generating supersonic waves. F. A. Firestone. 2,601,779, July 1.
Generating V-block, Adjustable. G. E. Snyder. 2,585,594, Feb. 12.
Generation and transmission of sound pulses. G. C. Seavey. 2,620,766, Dec. 9.
Generator: *See*—
Acetylene generator.
Aerosol generator.
Carrier wave generator.
Catalytic gas generator.
Cathode-ray wave generator.
Condensation nuclei generator.
Continuous combustion type rotating combustion products generator.
Control signal generator.
Double pulse generator.
Equatorial polishing generator.
Electric current generator.
Electric high-frequency generator.
Electric impulse generator.
Electric oscillation generator.
Electric pulse generator.
Electrical generator.
Electrical oscillation generator.
Electrical pulse generator.
Electrical waveform generator.
Electrically operated steam generator.
Electromagnetic impulse generator.
Electronic tone generator.
Electrooptical pulse generator.
Electrostatic high-voltage generator.
Frequency band generator.
Frequency modulation generator.
Harmonic generator.
High-intensity sonic generator.
Impulse generator.
Linear sweep generator.
Low-frequency generator.
Magnetron generator.
Marker signal generator.
Mechanical aerosol generator.
Microwave generator.
Mobile steam generator.
Modulated microwave generator.
Modulated signal generator.
Multivibrator and impulse generator.
Multivibrator saw-tooth generator.
Negative resistance pulse generator.
Noise generator.
Oscillation generator.
Ozone generator.
Peaked pulse generator.
Piston type sound generator.
Pulse generator.
Random impulse signal generator.
Range marker generator.
Rapid, response, direct-current generator.
Regenerative pulse generator.
Roller type sonic generator.
Saw tooth voltage generator.
Sawtooth wave generator
Sawtooth wave voltage generator.
Sectional demountable steam generator.
Signal generator.
Single pulse generator.
Smoke generator.
Spark gap generator.
Speed responsive generator.
Spray generator.
Standard impulse noise generator.
Starter generator.
Steam generator.
Television test signal generator.
Thermoelectric generator.
Thermoelectric power generator.
Timing pulse generator.
Triangular pulse generator.
Triangular wave generator.
Tube generator.
Ultrahigh-frequency noise generator.
Ultrasonic generator.
Vapor generator.
Vertical sweep generator.
Voltage pulse generator.
Waste heat vapor generator.
Wind-operated power generator.
Generator. W. B. Boast and J. D. Ryder. 2,588,797, Mar. 11.
Generator and system utilizing it, Saw-tooth. R. E. Graham. 2,580,672–3, Jan. 1.
Generator armature test. F. J. Foust, O. W. Childress, Jr., D. O. Crim, and R. A. Thompson. 2,593,131, Apr. 15.
Generator assembly apparatus for uniform pressure absorption type refrigerators. W. L. Edel. 2,623,366, Dec. 30.
Generator control. W. J. Rady. 2,616,054, Oct. 28.
Generator control for battery charging systems. C. A. Lucien. 2,607,026, Aug. 12.
Generator drive for railway vehicles. E. J. Schmidt. 2,608,936, Sept. 2.
Generator for flickering beam photometers, Reference signal. J. W. Gabel and S. A. Loukomsky. 2,590,693, Mar. 25.
Generator for form fitters and other apparatus, Vapor. F. M. Platt. 2,606,272, Aug. 5.
Generator for gas turbine power plants, Free piston type combustion products. R. Lee. 2,595,396, May 6.
Generator for multiple lens grinding, Equatorial. A. J. Holman. 2,595,360, May 6.
Generator for producing a combustible oil gas. W. J. van Heeckeren, G. J. H. Vermeer, and J. L. Baartman. 2,607,671, Aug. 19.
Generator of ultra short electromagnetic waves. R. Warnecke. 2,591,322, Apr. 1.
Generator regulator. R. J. Cassidy. 2,594,730, Apr. 29.
Generator regulator. B. H. Short, R. A. Wilkins, G. B. Shaw, and J. W. Dyer. 2,616,073, Oct. 28.
Generator speed control. H. L. McCormick. 2,597,357, May 20.
Generator, turbine, and compressor, Coaxial combustion products. C. F. Bachle. 2,595,505, May 6.
Generator with double outlet furnace, Steam. J. A. Lacerenza. 2,590,712, Mar. 25.
Geneva gearing. H. F. Heidegger. 2,607,236, Aug. 19.
Gentisic acid and its alkali metal and ammonium salts, Preparation of. D. J. Harvey and F. B. Zienty. 2,608,579, Aug. 26.
Geochemical prospecting. E. McDermott. 2,590,113, Mar. 25.
Geophone. W. A. Alexander. 2,581,063, Jan. 1.
Geophone, Horizontal component low-frequency. G. B. Loper and S. N. Heaps. 2,587,346, Feb. 26.
Geophysical exploration. A. A. Brant and E. A. Gilbert. 2,611,004, Sept. 16.
Geophysical exploration. C. A. Heiland and M. T. Murray. 2,601,522, June 24.

Geophysical exploration. G. Herzog. 2,581,412, Jan. 8.
Geophysical prospecting. F. W. Lee. 2,613,247, Oct. 7.
German silver electrocardiograph contact electrode. L. J. Pecora. 2,611,368, Sept. 23.
Germanium crystal rectifiers and producing the crystal element thereof. D. E. Jones and J. W. Ryde. 2,588,008, Mar. 4.
Germanium pellets, Producing. W. C. Dunlap, Jr. 2,595,780, May 6.
Germicidal cabinet. E. H. Ficken. 2,587,131, Feb. 26.
Germicidal compositions. D. F. Rogers. 2,614,060, Oct. 14.
Gill drawing frame. R. C. Berker. 2,621,371, Dec. 16.
Gill-drawing machine. R. C. Berker. 2,618,022, Nov. 18.
Girdle. J. L. Kleinman. 2,596,155, May 13.
Girdle. S. T. Metz. 2,585,262, Feb. 12.
Girdle. E. G. Paola. 2,598,720, June 3.
Girdle. J. J. Vandercook. Re. 23,541, Aug. 26.
Girdle, Maternity. K. L. Vraciu. 2,606,322, Aug. 12.
Giving an internal gloss finish to a tube of heat plastic material, Method and apparatus for. J. S. Eckert. 2,583,329, Jan. 22.
Giving paristaltic enemas. M. E. Stack. 2,606,557, Aug. 12.
Glandless seal for centrifugal pumps. E. R. Wilfley. 2,620,207, Dec. 2.
Glare prevention device for automobiles. G. I. Wahnish. 2,596,627, May 13.
Glare reducing lens for headlights. W. Komasa. 2,623,159, Dec. 23.
Glare screen. J. D. Ryan and P. T. Mattimoe. 2,609,269, Sept. 2.
Glare shield. L. R. Bruhl. 2,596,836, May 13.
Glare shield. C. D. Schroeder. 2,622,922, Dec. 23.
Glare shield for automotive vehicles. F. D. Knoblock. 2,617,680, Nov. 11.
Glare shield support. N. G. Koppinger. 2,583,857, Jan. 29.
Glass ampoules, Manufacturing. G. Coby. 2,582,818, Jan. 15.
Glass and dish breakage protector for sinks. J. J. Meyer. 2,583,702, Jan. 29.
Glass beveling machine. H. H. Heffley. 2,612,006, Sept. 30.
Glass cleaning composition. H. E. Heideman. 2,611,747, Sept. 23.
Glass cleaning device having a wiping member with metal wool embedded therein. G. E. Kearns, Jr. 2,616,110, Nov. 4.
Glass coffee maker guard. G. A. Charlston. 2,607,285, Aug. 19.
Glass color composition and the vehicle therefor. C. C. Jessen. 2,607,702, Aug. 19.
Glass compositions. J. E. Stanworth and A. E. Dale. 2,615,817, Oct. 28.
Glass condenser. H. L. Dinsmore. 2,582,969, Jan. 22.
Glass container. C. Welhart. 2,589,005, Mar. 11.
Glass controlled dispensing valve. J. A. Hopwood. 2,590,177, Mar. 25.
Glass-cutting apparatus. S. Frank. 2,597,311, May 20.
Glass cutting apparatus. T. Solum and H. C. Franson. 2,582,078, Jan. 8.
Glass cutting board. C. K. Judd, Jr. 2,619,775, Dec. 2.
Glass cutting device. C. K. Judd, Jr. 2,591,828, Apr. 8.
Glass cutting device. E. J. Lavander. 2,595,862, May 6.
Glass cutting gauge. A. L. Shaw. 2,603,873, July 22.
Glass-cutting machine. G. Henry, E. Brichard, and M. Delacuvellerie. 2,601,725, July 1.
Glass door guard. H. G. Parrott. 2,619,689, Dec. 2.
Glass drill. W. C. Palmer. 2,594,487, Apr. 29.
Glass feeder. R. N. Sundstrom. 2,593,499, Apr. 22.
Glass feeder and feeding mold charges. J. D. Clark and G. J. Montopoli. 2,594,125, Apr. 22.
Glass feeder spout heating structure. T. W. Griffin. 2,623,330, Dec. 30.
Glass fiber mats, Method and apparatus for the production of. H. R. Hogendobler. 2,584,702, Feb. 5.
Glass fiber products and producing them, Colored. J. H. Waggoner. 2,584,763, Feb. 5.
Glass fibers coated with Werner type complex and making same. R. Steinman. 2,611,718, Sept. 23.
Glass furnace charging. J. B. Whitmore and F. A. Newcombe. 2,585,607, Feb. 12.
Glass grinding machine. A. Marchand. 2,598,405, May 27.
Glass header manufacturing machine. S. J. Gartner. 2,618,904, Nov. 25.
Glass level recording mechanism. M. A. Helmick. 2,613,443, Oct. 14.
Glass melting furnace. J. R. Hanson. 2,616,221, Nov. 4.
Glass melting furnace. F. O. Hess. 2,618,906, Nov. 25.
Glass melting method. C. F. De Voe. 2,600,490, June 17.
Glass melting method. G. E. Howard. 2,597,640, May 20.
Glass melting method and apparatus. G. E. Howard. 2,597,585, May 20.
Glass reheating and reshaping. G. E. Stong. 2,613,479, Oct. 14.
Glass run channel for vehicle windows. D. C. Bailey. 2,594,717, Apr. 29.
Glass sampling pump. F. M. Archibald. 2,604,851, July 29.
Glass setting device. B. H. Chapin. 2,595,927, May 6.
Glass setting device. J. P. Pearse. 2,612,663, Oct. 7.
Glass severing apparatus. L. N. Pond and N. M. Wisner. 2,597,373, May 20.
Glass severing method and apparatus. R. B. Randels. 2,607,169, Aug. 19.
Glass solder. A. P. Dovey, M. Manners, and J. H. Partridge. 2,615,816, Oct. 28.
Glass stand. W. C. Sverkerson. 2,601,571, June 24.
Glass to metal seal and glass composition. J. E. Duncan and J. J. Smith. 2,581,639, Jan. 8.
Glass tube bending apparatus. P. A. Dell. 2,593,854, Apr. 22.
Glass tube reshaping apparatus. R. E. Gosnell and A. F. Casler. 2,615,285, Oct. 28.
Glass tubing and cane, Manufacture of. A. H. Laidig and H. K. Richardson. 2,583,431, Jan. 22.
Glass tubulature for feeding mercury. M. Pipkin. 2,615,472, Oct. 28.
Glass valve. R. Forman. 2,608,996, Sept. 2.
Glassware inspecting machine. E. H. Lorenz. 2,582,494, Jan. 15.
Glassware spacing device. H. A. Youkers. 2,612,256, Sept. 30.
Glassware transfer apparatus. G. E. Rowe. 2,623,648, Dec. 30.
Glassware transfer mechanism. G. E. Rowe. 2,616,550, Nov. 4.
Glass washing machine. P. T. D'Aurora. 2,610,642, Sept. 16.
Glass welding method. R. R. Kegg. 2,596,694, May 13.
Glassworking methods. C. W. Doyle. 2,596,990, May 20.
Glasses of high resistivity and low dielectric losses. A. Dansin. 2,580,662, Jan. 1.
Glassy molecular dehydrated phosphates. G. B. Hatch. 2,601,395, June 24.
Glazing and polishing machine. W. C. Burt. 2,612,005, Sept. 30.
Glazing strip. R. C. Cole. 2,605,518, Aug. 5.
Glide control means for drawers. R. C. Read and F. J. Gregor. 2,620,253, Dec. 2.
Glide path control for aircraft. D. Blitz. 2,599,223, June 3.
Globe changer. F. R. Negley. 2,616,743, Nov. 4.
Globular protein solutions, Preparation of. J. R. Caldwell. 2,592,120, Apr. 8.
Glove. L. Dumas. 2,582,240, Jan. 15.
Glove. B. Kennedy. 2,590,015, Mar. 18.
Glove. B. Kennedy. 2,591,905, Apr. 8.
Glove. F. Tatar. 2,583,902, Jan. 29.
Glove. W. W. Tayler. 2,602,930, July 15.
Glove holder. G. and I. Bloom. 2,584,251, Feb. 5.
Glove or mitten construction. M. Neider. 2,611,901, Sept. 30.
Glove or mitten, Hunter's. A. L. Farrell. 2,609,543, Sept. 9.
Glove, Seamless palm. L. M. Thurlow and W. E. Newell. 2,596,349, May 13.
Glove turning machine. O. C. Cripe. 2,601,504, June 24.
Glove, Welder's. I. E. Sabin. 2,610,326, Sept. 16.
Glove with improved gunn. M. L. Slimovitz. 2,617,109, Nov. 11.
Glow discharge device. M. A. Townsend. 2,606,309, Aug. 5.
Glow discharge switch. P. Lemaigre-Voreaux. 2,601,917, July 1.
Glow lamp mounting. T. F. Peterson. 2,596,166, May 13.
Glow plug ignition system. W. L. Church and W. A. Bychinsky. 2,606,544, Aug. 12.
Glowproofing composition comprising phenol-aldehyde resins and water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia. M. L. Nielsen and H. K. Nason. 2,596,936, May 13.
Glow transfer storage device. R. K. Steinberg. 2,621,313, Dec. 9.
Glow tube anode construction. R. D. Hancock, C. R. Williams, G. E. Hagen, and C. S. Andersen. 2,618,760, Nov. 18.
Glucuronic acid and derivatives thereof, Preparation of. D. M. Gallagher. 2,592,[illegible]6, Apr. 8.
Glue applying machine for glue presses. L. Quick. 2,588,874, Mar. 11.
Glue block cutting machine attachment for band saws. G. P. Williams. 2,603,250, July 15.
Glue drying process. A. W. De Vout. 2,581,081, Jan. 1.
Glue-setting platen. J. W. Mann. 2,599,930, June 10.
Glue-spotting apparatus. F. G. Pasotti. 2,608,949, Sept. 2.
Glue-spotting containers, Method and apparatus for. F. G. Pasotti. 2,609,306, Sept. 2.
Gluing a plurality of wooden elements comprising curing a urea formaldehyde adhesive by means of high-frequency heating. E. E. Bergey. 2,591,771, Apr. 8.
Gluing device. R. E. Ackley. 2,615,422, Oct. 28.
Gluing machine, Automatic. R. F. Onarud. 2,593,691, Apr. 22.
Gluing machine, Lumber. V. J. Winkel. 2,617,456, Nov. 11.
Gluing press for making playboards. D. C. Rockola. 2,618,302, Nov. 18.
Glutamic acid synthesis. D. I. Weisblat and D. A. Lyttle. 2,606,921, Aug. 12.
Glutamyl histidine, Preparation of. A. A. Plenti. 2,581,814, Jan. 8.

Gluten hydrolysis. C. L. Royal. 2,593,487, Apr. 22.
Glycerine, Producing. B. T. Brooks. 2,614,904, Oct. 21.
Glycerine, Production of. F. T. Tymstra. 2,605,293, July 29.
Glyceryl amines, Preparation of. H. J. Wright and A. B. Cramer. 2,618,659, Nov. 18.
Glycol esters of alkyl-mercapto-carboxylic acids. P. V. Smith, Jr., L. A. Mikeska, and A. H. Popkin. 2,601,063, June 17.
Glycol esters of benzyl acid phthalate, Preparation of. W. E. Weesner. 2,607,799, Aug. 19.
Glycol ethers, Manufacture of. E. C. Britton and A. R. Sexton. 2,620,360, Dec. 2.
Glycol ethers of alpha-phenylethyl alcohol. E. C. Britton and A. R. Sexton. 2,620,359, Dec. 2.
Glyoxal and polyglyoxal, Manufacture of. R. L. Lehmann and J. Lintner. 2,599,335, June 3.
Glyoxal treatment of absorbent paper to improve wet strength. W. E. Woods and W. A. Schenck. 2,622,960, Dec. 23.
Gocart, Folding. N. H. Person. 2,615,725, Oct. 28.
Goggle. A. K. Jones. 2,598,265, May 27.
Goggles. H. A. Jackson. 2,609,538, Sept. 9.
Goggles. W. L. Seidel. 2,589,439, Mar. 18.
Goggles, Antifogging and antifrosting. E. D. Palmes. 2,612,640, Oct. 7.
Goggles, Cold weather. W. R. Christensen and C. E. Cross. 2,615,162, Oct. 28.
Goggles, Cold weather. W. R. Christensen and C. E. Cross. 2,619,643-4, Dec. 2.
Goggles structure. W. R. Christensen and C. E. Cross. 2,618,782, Nov. 25.
Goggles structure. W. R. Christensen and C. E. Cross. 2,619,642, Dec. 2.
Goggles structure, Closed. W. R. Christensen and C. E. Cross. 2,612,639, Oct. 7.
Goggles structure, Closed. W. R. Christensen and C. E. Cross. 2,617,099, Nov. 11.
Gold alloys. J. M. Williams. 2,596,454, May 13.
Gold separator. B. P. Tuggle. 2,587,012, Feb. 26.
Golf bag. J. R. Burton, Jr., and H. N. McLean, Sr. 2,587,029, Feb. 26.
Golf bag. R. E. Thompson. 2,591,217, Apr. 1.
Golf bag carriage, Foldable. J. L. Stubleford. 2,599,354, June 3.
Golf bag carrier. J. P. Lannon. 2,613,952, Oct. 14.
Golf bag cart, Collapsible. V. M. Frey. 2,598,046, May 27.
Golf bag construction. A. Hotze. 2,599,635, June 10.
Golf bag divider. C. K. Le Vine. 2,607,382, Aug. 19.
Golf bag support. D. S. Wells. 2,600,713, June 17.
Golf bag trundle. F. Alter. 2,619,360, Nov. 25.
Golf bag with built in supporting wheel and automatically retractable legs. R. C. Fieldhouse. 2,602,676, July 8.
Golf ball cleaner. J. R. Duff. 2,608,705, Sept. 2.
Golf ball cleaner. R. D. Lemonds and A. V. McMurray. 2,622,257, Dec. 23.
Golf ball marking die. J. D. Lyon. 2,603,146, July 15.
Golf ball marking machine. E. J. Russell and A. E. Wilde. 2,594,685, Apr. 29.
Golf ball retriever. C. P. Kegley, Sr. 2,623,769, Dec. 30.
Golf ball retrieving device. W. Wenzel and E. Greenwald. 2,605,005, July 29.
Golf ball teeing apparatus. E. E. Williams. 2,618,480, Nov. 18.
Golf ball washer. J. J. Goller. 2,617,132, Nov. 11.
Golf cart seat. R. B. Head. 2,610,072, Sept. 9.
Golf club. T. F. Curley. 2,592,013, Apr. 8.
Golf club, Adjustable. J. Verderber. 2,593,368, Apr. 15.
Golf club and equipment case and cart, Combination convertible. L. D. Jamison. 2,590,178, Mar. 25.
Golf club attachment, Practice swing. G. A. Beeaff, Jr. 2,620,186, Dec. 2.
Golf club box. C. D. Welshenbach. 2,604,255, July 22.
Golf club carrier. C. E. Burns. 2,590,154, Mar. 25.
Golf club holder. D. E. Shears. 2,595,987, May 6.
Golf club holding clip. C. B. Payne. 2,589,126, Mar. 11.
Golf game. E. E. Williams. 2,581,738, Jan. 8.
Golf hole simulating device. A. J. O'Malley. 2,594,982, Apr. 29.
Golf instruction device. B. F. Young. 2,606,026, Aug. 5.
Golf practicing machine. C. R. Wagner. 2,608,864, Sept. 2.
Golf puppet ball projector. J. H. Munro. 2,616,700, Nov. 4.
Golf putting game device. R. F. Koener. 2,609,199, Sept. 2.
Golf putting practice device. G. A. Hartung. 2,596,682, May 13.
Golf scorer. E. D. Ryden. 2,617,592, Nov. 11.
Golf swing trainer. D. F. Pinkerton. 2,608,409, Aug. 26.
Golf tee. J. F. Barrett. 2,589,763, Mar. 18.
Golf tee. M. C. Pierce. 2,612,373, Sept. 30.
Golf-tee holder. A. Lynskey. 2,593,042, Apr. 15.
Golf tee setting device. R. L. Mason. 2,606,764, Aug. 12.
Gondola car top chord angle and lading tie anchor. E. P. Smith. 2,605,720, Aug. 5.
Goniometer, X-ray single crystal. H. T. Evans, Jr. 2,615,136, Oct. 21.
Goose call. P. S., P. E., R. J. and A. E. Olt. 2,606,400, Aug. 12.
Gooseneck for trailers, Detachable fluid pressure operated. H. L. Rogers. 2,590,210, Mar. 25.
Gopher trap. W. T. Conrad. 2,598,974, June 3.
Gopher trap. P. C. Vigness. 2,593,816, Apr. 22.
Governing apparatus. A. F. Schwendner. 2,621,301, Dec. 9.
Governing of free piston gas generator power plant. R. J. Welsh. 2,585,200, Feb. 12.
Governing mechanism for engine-driven compressors. A. H. Repscha and H. Fox. 2,595,369, May 6.
Governor. G. E. Parker. 2,602,654, July 8.
Governor. O. L. R. Schram and F. E. Smith. 2,586,867, Feb. 26.
Governor. R. W. Sloane, M. J. Thomas, and G. C. Fricke. 2,613,657, Oct. 14.
Governor-controlled compressor and the like. J. S. Dale. 2,600,855, June 17.
Governor for gas turbines automatically modified by fuel pressure, Semiisochronous. A. W. Orr, Jr. 2,612,944, Oct. 7.
Governor for helicopter rotor blades. H. L. Hosterman, Jr. 2,595,195, Apr. 29.
Governor for internal-combustion engines. H. G. Adler. 2,603,472, July 15.
Governor for internal-combustion engines. C. E. Ervin, Jr. 2,617,396, Nov. 11.
Governor for internal-combustion engines. A. Schweitzer. 2,623,510, Dec. 30.
Governor for plows, Load and depth. W. J. Preising and C. T. Ray. 2,606,487, Aug. 12.
Governor for the automatic control of brakes of motor vehicles or the like. J. and A. Weiss. 2,603,731, July 15.
Governor having spring load and means for adjustably controlling spring scale. J. H. Holloway. 2,619,075, Nov. 25.
Governor mechanism. B. O. Burritt. 2,594,866, Apr. 29.
Governor mechanism. R. H. Thorner. 2,584,170, Feb. 5.
Governor switch mechanism. W. Van Guilder. 2,610,269, Sept. 9.
Governor with common servo, Multiple. C. A. Gesner. 2,602,655, July 8.
Gown, Infant's. M. C. Boyce. 2,613,359, Oct. 14.
Gown, Surgeon's. H. C. Cookman. 2,597,568, May 20.
Grab. W. J. Olson. 2,615,747-8, Oct. 28.
Grab bucket unit for hoist lines, Self-contained. V. R. Browning. 2,605,563, Aug. 5.
Grab driving motions. L. R. Martin. 2,621,534, Dec. 16.
Grab mechanism for industrial trucks. J. A. Frischmann. 2,604,220, July 22.
Grade striker. A. W. Gardner and P. Wrockoff. 2,609,620, Sept. 9.
Grading and corona shield, Combined. R. L. McCoy. 2,597,590, May 20.
Grading apparatus. C. L. Key. 2,597,108, May 20.
Grading copper for use in copper oxide rectifiers. H. L. Taylor. 2,592,975, Apr. 15.
Grading machine, Egg. J. A. Hill. 2,585,124, Feb. 12.
Graduated level. A. P. Gubrud. 2,611,972, Sept. 30.
Grain and weed reclaiming accessory. A. King. 2,609,929, Sept. 9.
Grain cleaning machine. A. Schär. 2,621,794, Dec. 16.
Grain combine. S. C. Heth. 2,612,742, Oct. 7.
Grain conditioner. R. F. Marken. 2,591,173, Apr. 1.
Grain cooling and screening means. M. J. Kuss. 2,623,634, Dec. 30.
Grain cutter. E. P. Symons. 2,589,307, Mar. 18.
Grain drier. R. D. Applegate. 2,600,603, June 17.
Grain dusting apparatus. R. F. Berkner. 2,606,096, Aug. 5.
Grain flow control. R. B. Dodds. 2,596,220, May 13.
Grain grinding mill with adjustable nonrotary member. A. B. Grönberg. 2,606,722, Aug. 12.
Grain handling. R. Moen and M. S. Dalquist. 2,585,026, Feb. 12.
Grain harvesting machine. F. W. McConnel and D. R. Bomford. 2,620,614, Dec. 9.
Grain puffing machine. R. H. Ernest. 2,598,242, May 27.
Grain saving device for threshing machines. S. F. McPhail. 2,581,198, Jan. 1.
Grain scalper, Multiple. A. H. Shepardson. 2,597,390, May 20.
Grain treating device. I. H. Lehman. 2,596,568, May 13.
Grain unloader for trucks and the like. J. E. Senstock. 2,607,472, Aug. 19.
Grain unloader having a feed auger with an adjustable cover. E. K. Hansen. 2,601,608, June 24.
Grain unloading machine. A. P. W. Buck. 2,613,003, Oct. 7.
Gramophone record. W. E. Lord. 2,619,440, Nov. 25.
Gramophone tone arm moving device. J. S. Martin. 2,585,396, Feb. 12.
Grandstand. C. H. Wetzel. 2,588,783, Mar. 11.
Grandstand, Portable. C. J. Holmes. 2,587,159, Feb. 26.
Grandstand seat planks, Demountable. J. F. Roney. 2,611,422, Sept. 23.
Grandstand superstructure. G. E. Rhodes. 2,606,345, Aug. 12.
Granular clusters of crystalline matter, Producing. R. P. J. Berteaux. 2,594,723, Apr. 29.
Granular polymers, Preparation of. W. C. Mast and C. H. Fisher. 2,588,398, Mar. 11.
Granular silicon carbide and making same. C. B. Proudfoot. 2,614,946, Oct. 21.

Granulation of phosphatic fertilizers. J. T. Procter and A. Ogilvie. 2,598,658, May 27.
Granulation of salt cake. A. P. Giraitis. 2,587,309, Feb. 26.
Granule type acoustic transducer. D. E. Skelton. 2,585,052, Feb. 12.
Graph duplication. W. F. Brundage and G. O. Huntzinger. 2,600,201, June 10.
Graph tracker and method, Automatic. C. L. Hubbard and A. Capecelatro. 2,588,386, Mar. 11.
Graphic indicator responsive to a plurality of conditions in a continuous processing system. E. Utterback, W. A. Hagerbaumer, and R. E. Dooley. 2,593,224, Apr. 15.
Graphic method of teaching music. M. Church. 2,600,968, June 17.
Graphite molding composition. F. A. Shirland, Jr. 2,605,300, July 29.
Grapple. J. Breslav. 2,618,502, Nov. 18.
Grapple. J. Breslav. 2,623,776, Dec. 30.
Grapple. H. K. Bushnell, Jr. 2,613,103, Oct. 7.
Grapple. W. H. Elsey. 2,584,853, Feb. 5.
Grapple for handling barrels. D. Anderson. 2,589,918, Mar. 18.
Grapple fork. R. P. Horn. 2,622,915, Dec. 23.
Grapple hook means. L. H. and F. J. Gaulke. 2,594,908, Apr. 29.
Grappling attachment for loaders and stackers. C. Christiansen. 2,620,935, Dec. 9.
Grappling device. P. de Anguera. 2,621,069, Dec. 9.
Grass and other agricultural green crop drying plant. E. W. Borrow. 2,597,441-2, May 20.
Grass catcher for lawn mowers. J. O. Holden. 2,598,382, May 27.
Grass catcher for lawn mowers. P. J. Smola. 2,595,420, May 6.
Grass cutter. A. S. Mogel. 2,583,113, Jan. 22.
Grass elevator and container attachment for lawn mowers. L. R. Provost. 2,597,819, May 20.
Grass trimmer. E. F. Britten, III. 2,597,774, May 20.
Grass trimmer. B. H. Shaffer. 2,587,393, Feb. 26.
Grass trimming tool. L. G. Brown. 2,617,189, Nov. 11.
Grate bar. C. M. Hazelton. 2,608,958, Sept. 2.
Grate divider, Water-cooled shaker. R. M. Losch. 2,583,433, Jan. 22.
Grate fired fluid heating unit. R. C. Huston. 2,583,265, Jan. 22.
Grate, Stove top. M. Resek. 2,594,215, Apr. 22.
Grating. H. S. Nagin. 2,617,503, Nov. 11.
Grater having rotatable feed means. L. J. Faith-Ell. 2,582,244, Jan. 15.
Grater operating by means of a drum, Household. J. Mantelet. 2,587,186, Feb. 26.
Grater, Vegetable. W. Marcus. 2,615,486, Oct. 28.
Grave marker. O. A. Marsh. 2,593,468, Apr. 22.
Grave marker and flower vase, Combined. F. V. Ross. 2,608,028, Aug. 26.
Gravel pack completion method. T. S. West. 2,597,554, May 20.
Gravitometer, Recording liquid. W. A. Schlueter. 2,607,214, Aug. 19.
Gravity actuated door mounting. J. V. Miller. 2,590,028, Mar. 18.
Gravity and density gradiometer for boreholes. F. G. Boucher. 2,618,156, Nov. 18.
Gravity buoyancy pump. J. Beam. 2,613,608, Oct. 14.
Gravity conveyer for cartons with bottom adhesive appliers. M. C. Faust. 2,600,747, June 17.
Gravity conveyer section. J. J. McLaughlin. 2,613,789, Oct. 14.
Gravity drive. G. Wixson. 2,588,681, Mar. 11.
Gravity filling machine with pneumatically discharge controlling cutoff. W. E. Gross. 2,614,741, Oct. 21.
Gravity meter. F. G. Boucher. 2,610,507, Sept. 16.
Gravity meter. R. T. Cloud. 2,614,432, Oct. 21.
Gravity meter. J. J. Jakosky. 2,613,536, Oct. 14.
Gravity meter. P. J. Walsh. 2,590,740, Mar. 25.
Gravity operated closure with means to form an opening in a container. H. C. Allen. 2,581,897, Jan. 8.
Grease. J. W. Nelson. 2,590,786, Mar. 25.
Grease and grease base. W. C. Bryant and H. Frost, Jr. 2,594,286, Apr. 29.
Grease applying machine for greasing bun pans and the like at spaced points for providing uniforms layers. K. J. Klinck. 2,616,390, Nov. 4.
Grease composition. S. T. Abrams and F. H. Stross. 2,599,683, June 10.
Grease composition. R. J. Moore and W. Saarni. 2,614,077, Oct. 14.
Grease composition. J. W. Teter and J. W. Nelson. 2,590,801, Mar. 25.
Grease compositions. J. L. Dreher and C. F. Carter. 2,614,987, Oct. 21.
Grease compositions. G. D. McLeod. 2,620,301, Dec. 2.
Grease compositions. R. J. Moore and W. Saarni. 2,614,076, Oct. 14.
Grease compositions. F. H. Stross. 2,623,853, Dec. 30.
Grease compositions, Manufacture of. R. J. Moore and W. Saarni. 2,588,556, Mar. 11.
Grease dispenser. A. Pansegrau. 2,613,855, Oct. 14.
Grease dispersion. G. V. Browning. 2,580,654, Jan. 1.
Grease gun. E. P. Sundholm. 2,596,447, May 13.
Grease gun having reservoir cover and automatic locking means therefor. C. C. S. Le Clair. 2,610,768, Sept. 16.
Grease lubricant. S. Sterman. 2,585,182, Feb. 12.
Grease, Lubricating. A. J. Morway and L. A. Mikeska. 2,586,693, Feb. 19.
Grease, Making. G. C. Bailey and W. B. Whitney. 2,598,154, May 27.
Grease preparation. G. V. Browning. 2,616,850, Nov. 4.
Grease pump and reservoir, Combined. T. A. Campbell and M. Harris. 2,612,296, Sept. 30.
Grease shield for antifriction bearings. F. O. Hickling. 2,613,090, Oct. 7.
Grease shield for skillets. H. H. Willits. 2,611,510, Sept. 23.
Grease trap. S. F. Resan. 2,611,488, Sept. 23.
Greases and compounds for making same and other compositions. W. C. Bryant and A. Giordano. 2,604,449, July 22.
Greases based on finely divided inorganic material. A. Beerbower and A. J. Morway. 2,614,986, Oct. 21.
Greases, Preparation of. F. H. Stross, S. T. Abrams, and R. J. Moore. 2,594,822, Apr. 29.
Greasing apparatus. R. G. Ivie. 2,599,456, June 3.
Green coffee, Preparation of. W. R. Johnston and H. E. Foote. 2,607,690, Aug. 19.
Green-colored opal glass. R. W. Ricker. 2,599,349, June 3.
Greeting and gift bearing folder, Combined. J. E. Williams. 2,623,687, Dec. 30.
Greeting card. S. Robins. 2,616,199, Nov. 4.
Greeting card, Animated. J. B. O'Hara. 2,604,729, July 29.
Greeting card, Illuminated. W. B. Pope. 2,607,145, Aug. 19.
Grenade launcher valve. J. C. Garand. 2,587,611, Mar. 4.
Grey cast iron containing graphite in spherulitic form. J. F. Jordan. 2,606,112, Aug. 5.
Grid assemblies, Making. E. E. Borland, G. A. Hobart III, C. Z. Nawrocki, and H. V. Neher. 2,610,387, Sept. 16.
Grid bearing. A. W. Schluchter. 2,615,768, Oct. 28.
Grid bearings, Making. A. W. Schluchter. 2,599,726, June 10.
Grid-controlled electron tube. A. H. Mankin and D. E. Sunstein. 2,593,044, Apr. 15.
Grid-controlled gaseous discharge device. P. W. Stutsman. 2,617,958, Nov. 11.
Grid gas anchor, Heated. R. L. Koch. 2,601,533, June 24.
Grid gas burner. R. E. James and A. J. Lampert. 2,591,263, Apr. 1.
Gridiron or broiling rack. C. J. Davis. 2,604,843, July 29.
Grid panel unit for radiant heat and like installations. J. Graham, Jr. 2,603,458, July 15.
Grid seal for fluidized solids contacting systems. J. H. Johnsen and N. H. Snyder, Jr. 2,595,384, May 6.
Grid structure for electron discharge devices. W. N. Parker. 2,581,876, Jan. 8.
Grid structure for electron tubes. R. R. Law. 2,621,303, Dec. 9.
Grid structure, Making a. S. F. and R. H. Varian. 2,619,438, Nov. 25.
Grid-type display sign. F. E. Tuttle and O. Wittel. 2,600,816, June 17.
Grill. R. D. Miller. 2,593,592, Apr. 22.
Grill, Electric. H. E. Price. 2,607,287, Aug. 19.
Grill for ventilating fans. W. A. Spear. 2,584,933, Feb. 5.
Grill, Frankfurter. A. Panken. 2,602,392, July 8.
Grill, Portable barbecue. A. Kahn. 2,619,951, Dec. 2.
Grill, Sandwich. L. J. Funke. 2,582,692, Jan. 15.
Grill, Sandwich. M. A. Hall. 2,587,314, Feb. 26.
Grill, Sausage. L. C. Dolce. 2,604,842, July 29.
Grill structure. A. J. Fitzgerald. 2,591,346, Apr. 1.
Grille. W. C. De Roo. 2,598,763, June 3.
Grille, Adjustable air distribution. W. W. Kennedy. 2,612,095-6, Sept. 30.
Grille guard. L. C. and T. R. Helms, G. Tungett and J. K. Noonan. 2,580,775, Jan. 1.
Grille, Multibumper. N. Bennett. 2,585,530, Feb. 12.
Grindstone wheel dresser. A. J. Engle. 2,598,637, May 27.
Grinder. E. Margolin. 2,588,025, Mar. 4.
Grinder, Bench. J. E. Bernard, Jr. 2,592,785, Apr. 15.
Grinder, Chain saw. J. A. Toy and P. Rethoret. 2,589,165, Mar. 11.
Grinder, Crankshaft. F. P. Zwick. 2,600,824, June 17.
Grinder, Drill point. J. Becker. 2,612,012, Sept. 30.
Grinder for rock drills. N. H. B. Kristenson. 2,619,779, Dec. 2.
Grinder, Garbage. C. W. Van Ranst. 2,588,182, Mar. 4.
Grinder, including means preventing the entrance of material between the rotor and housing thereof. L. K. Knight. 2,591,076, Apr. 1.
Grinder, Jig. H. E. Durkee. 2,603,040, July 15.
Grinder, Precision hole. A. Nilsen and K. Rohrer. 2,608,807, Sept. 2.
Grinder rotor. E. R. Brake. 2,583,319, Jan. 22.
Grinder, Saw. A. P. Clark. 2,608,110, Aug. 26.
Grinder, Sickle. C. B. Webber. 2,583,758, Jan. 29.
Grinder, Surface. A. J. Bowen. 2,603,041, July 15.
Grinding and sharpening machine. L. R. Higgins. 2,615,354, Oct. 28.
Grinding apparatus. E. A. Nichols. 2,601,747, July 1.
Grinding apparatus. E. Stephansen. 2,615,638, Oct. 28.

Grinding by the use of grinding bodies subjected to centrifugal force. Method and apparatus for. N. Ahlmann. 2,592,994, Apr. 15.
Grinding device, Centerless. W. Stahlecker and H. Grill. 2,622,373, Dec. 23.
Grinding eyeglass lenses. R. Lanius. 2,607,174, Aug. 19.
Grinding fixture. G. W. Soderman. 2,613,484, Oct. 14.
Grinding fixture for single point tools. J. J. Sanders. 2,600,432, June 17.
Grinding fixture for welded tubing. J. A. Clyde. 2,600,481, June 17.
Grinding intricate contours. W. G. Baldenhofer. 2,585,990, Feb. 19.
Grinding lobed forms. M. H. Arms. 2,580,989, Jan. 1.
Grinding machine. A. D. Appleby. 2,587,952, Mar. 4.
Grinding machine. W. Beer. 2,621,447, Dec. 16.
Grinding machine. A. H. Dall. 2,599,698, June 10.
Grinding machine. A. H. Dall. 2,622,376, Dec. 23.
Grinding machine. F. S. Haas and W. Trible. 2,622,375, Dec. 23.
Grinding machine. O. E. Hill. 2,599,992, June 10.
Grinding machine. O. E. Hill. 2,618,909, Nov. 25.
Grinding machine. W. S. Klay and R. E. Price. 2,615,288, Oct. 28.
Grinding machine. S. S. Mader. 2,610,448, Sept. 16.
Grinding machine. J. G. Moohl. 2,619,851, Dec. 2.
Grinding machine. J. H. Twombly. 2,612,733, Oct. 7.
Grinding machine, Car wheel. O. E. Hill. 2,605,591, Aug. 5.
Grinding machine, Centerless. O. E. Hill. 2,597,242, May 20.
Grinding machine, Helical spline. J. L. Jessup. 2,596,814, May 13.
Grinding machine, Rotary edge. W. A. Reaser, E. A. Ziems, and J. M. Christman. 2,597,180, May 20.
Grinding machine, Spring tension. A. R. Johnson. 2,601,749, July 1.
Grinding machine with automatic air gauge sizing, Internal. W. J. Bryant, T. H. Ljunggren, and W. F. Moore. 2,585,533, Feb. 12.
Grinding method. C. L. Garrison. 2,607,173, Aug. 19.
Grinding, Method and apparatus for. J. C. Wilson. 2,586,755, Feb. 19.
Grinding mill. C. E. Pegg. 2,599,719, June 10.
Grinding mill. R. Zückert. 2,589,917, Mar. 18.
Grinding of longitudinally curved rollers. F. P. Hegeman. 2,597,795, May 20.
Grinding unit for use on surface grinders and the like. J. R Evans. 2,604,739, July 29.
Grinding wheel. W. A. Belcher, Jr. 2,589,661, Mar. 18.
Grinding wheel. A. J. Doermann. 2,594,137, Apr. 22.
Grinding wheel blower. W. Strayer. 2,599,952, June 10.
Grinding wheel dresser. C. M. Griffin. 2,614,552, Oct. 21.
Grinding wheel dresser. E. V. Statla, Sr. 2,608,189, Aug. 26.
Grinding-wheel dressing fixture. H. H. Gotberg and J. Silvagi. 2,586,937, Feb. 26.
Grinding wheel dressing mechanism. S. P. Bruce. 2,597,616, May 20.
Grinding wheel feeding mechanism. H. L. Swainey. 2,582,610, Jan. 15.
Grinding wheel profile dressing device. N. Engelmann. 2,584,003, Jan. 29.
Grinding wheel truing apparatus. C. G. Flygare and R. D. Ellison. 2,611,356, Sept. 23.
Grinding wheel truing apparatus. L. J. Lalime. 2,600,548, June 17.
Grip insulator. L. Glaser and M. M. Hahn. 8,619,672, Dec. 2.
Grip structure. R. J. Axton, Jr. 2,583,198, Jan. 22.
Gripper bar mechanism. A. J. Albrecht. 2,619,903, Dec. 2.
Gripper, Shoulder strap. M. A. Spector. 2,608,326, Aug. 26.
Gripping device. A. Dugnay. 2,595,120, Apr. 29.
Gripping device. H. C. Otis. 2,591,859, Apr. 8.
Gripping means for specimens in pulsating testing machines. M. Russenberger. 2,583,885, Jan. 29.
Gripping tool. A. M. Oliveri. 2,607,620, Aug. 19.
Grit blasting device for cleaning pipes and the like. R. S. Russell. 2,621,446, Dec. 16.
Grommet. H. A. White. 2,583,719, Jan. 29.
Grommet for umbrellas. J. Levin. 2,590,332, Mar. 25.
Groove dressing tool. C. A. Laase. 2,589,191, Mar. 11.
Grooving attachment for resawing machines. J. E. Breanahan. 2,596,365, May 13.
Grooving machine. E. E. Barkstrom. 2,614,463, Oct. 21.
Grooving of index cards. W. Schempers. 2,581,049, Jan. 1.
Grass clipping guide for lawn mowers. I. E. Aske. 2,599,883, June 10.
Ground anchor. F. A. Dyche. 2,603,319, July 15.
Ground connection clip for motor mounts. R. K. Shewmon. 2,583,189, Jan. 22.
Ground detecting apparatus. G. W. Baughman. 2,623,107, Dec. 23.
Ground detecting apparatus. A. E. Dodd. 2,622,139, Dec. 16.
Ground detector circuit. T. A. Rich. 2,594,994, Apr. 29.
Ground leveling attachment for tractor cultivators. J. M. Dejoy. 2,591,522, Apr. 1.
Ground parts of Ryania plant as insecticides. R. E. Heal. 2,590,536, Mar. 25.
Ground rod bond. F. G. Ridgers. 2,611,001, Sept. 16.
Ground speed indicator. A. G. Thomas. 2,584,641, Feb. 5.
Ground speed plotter. J. S. Youtcheff. 2,615,625, Oct. 28.
Ground trainer for aircraft crew. R. C. Davis, E. J. Fogarty, and R. O. Rippere. 2,584,261, Feb. 5.
Ground working implement, Dual purpose. R. B. Laird. 2,608,772, Sept. 2.
Grounding device. A. S. Caswell. 2,617,862, Nov. 11.
Grounding system. D. L. Greene and C. A. Badeau. 2,623,089, Dec. 23.
Group of nozzles for treating material. J. Dungler. 2,594,299, Apr. 29.
Growing a crystal. L. B. Chambers. 2,604,385, July 22.
Growing ethylenediamine tartrate crystals. A. C. Walker. 2,591,032, Apr. 1.
Growing piezoelectric crystals. M. Bruzau. 2,615,797, Oct. 28.
Growth promoting agent. R. Gaudry. 2,623,824, Dec. 30.
Growler type testing device. P. E. Chapman. 2,622,128, Dec. 16.
Grubbing attachment for tractors. T. A. Guess. 2,584,868, Feb. 5.
Guaiacyl compounds from lignin, Preparing. I. A. Pearl. 2,602,089, July 1.
Guanamines, Preparation of. D. W. Kaiser. 2,606,904, Aug. 12.
Guanide-formaldehyde condensation products for tanning and bleaching leather. J. T. Thurston. 2,591,218, Apr. 1.
Guanidine and melnamine, Preparation of. W. J. Klapproth, Jr. 2,615,019, Oct. 21.
Guanidine synthesis. J. S. Mackay. 2,590,257, Mar. 25.
Guanidine thiocyanate, Preparation of. N. H. Marsh. 2,615,044, Oct. 21.
Guanidino fatty acids, Production of. B. Vassel and W. D. Janssens. 2,620,354, Dec. 2.
Guard and locater for electrical outlet boxes. F. M. Tomlin. 2,620,080, Dec. 2.
Guard device for axle-embracing gear housing. O. C. Gruenberg. 2,590,309, Mar. 25.
Guard for cigarette holders. T. C. Luton. 2,583,109, Jan. 22.
Guard for electric lamps. I. E. Wright. 2,602,882, July 8.
Guard for feeding dishes. P. L. Clark. 2,617,385, Nov. 11.
Guard for groove-top containers. J. W. Brown. 2,611,508, Sept. 23.
Guard for knives, Spray. G. Kahn. 2,590,709, Mar. 25.
Guard for nail clippers. H. H. Bahr. 2,620,560, Dec. 9.
Guard for power-driven conveyers. J. B. Long. 2,614,686, Oct. 21.
Guard for receptacle covers. D. A. Freeman. 2,610,765, Sept. 16.
Guard for saws. C. C. Petersen. 2,603,252, July 15.
Guard for sewing machines. O. M. Holmes. 2,589,382, Mar. 18.
Guard for the rotating portions of air-moving devices. C. M. Buttner. 2,601,947, July 1.
Guard for toilet bowls. H. and L. Hoffman. 2,597,543, May 27.
Guard for toilet bowls. H. and L. Hoffman. 2,617,996, Nov. 18.
Guard mounting for jointer cutters. W. B. Boice. 2,611,402, Sept. 23.
Guard or protector for poultry service utensils. A. H. Beckman. 2,584,782, Feb. 5.
Guard rail. E. Welch. 2,603,455, July 15.
Guardrail bracket for ladder staging. G. S. Marchessault. 2,618,515, Nov. 18.
Guard rail clamp. H. R. Akers. 2,599,599, June 10.
Guard rail for folding berths. E. E. Woller. 2,583,760, Jan. 29.
Guide and clamp for vehicle body curtains. G. L. Harper. 2,621,963, Dec. 16.
Guide and routing device for portable woodworking machines. E. J. Gregory. 2,587,994, Mar. 4.
Guide bar attachment. H. O. Cadman. 2,618,910, Nov. 25.
Guide bar for chain saws. N. C. Bye. 2,599,608, June 10.
Guide bearing and shaft. R. J. Terrey. 2,582,084, Jan. 8.
Guide device for hand or electric drills. C. C. Jenkins. 2,622,458, Dec. 23.
Guide device for portable power saws. E. R. McConnell. 2,581,766, Jan. 8.
Guide for centrifugal spinning. J. A. Miles. 2,603,939, July 22.
Guide for drawers or shelves. N. A. Gussack. Re. 23,461, Feb. 12.
Guide for hypodermic syringes. K. V. Chrigström. 2,608,972, Sept. 2.
Guide for indicating the fecundity rhythm in women. G. Van Houtte and A. Demeuse. 2,612,317, Sept. 30.
Guide for oscillatory loading head. C. N. Rebinger. 2,614,677, Oct. 21.
Guide for portable cutoff saws. R. O. Barnhart. 2,620,835, Dec. 9.
Guide for sawing machines having reciprocating carriages. G. V. Jackson. 2,594,651, Apr. 29.
Guideline supporting apparatus for bricklaying. E. Kampel. 2,623,289, Dec. 30.
Guide link for silent chains. N. C. Bremer. 2,602,344, July 8.
Guide means for wood shapers. C. H. Kemmerer. 2,597,646, May 20.

Guide mechanism for tank balls. S. Cole. 2,591,137, Apr. 1.
Guide plate for latches. F. Mastrangelo. 2,612,399, Sept. 30.
Guide roller device for protective caps for the outlet openings of glass-melting furnaces. A. Wyss. 2,594,837, Apr. 29.
Guide shell. W. J. Delp. 2,592,253, Apr. 8.
Guide spring for combination storm windows and screens. J. A. Robinson and V. Agnifilo. 2,587,902, Mar. 4.
Guide tube. L. Barrett. 2,580,991, Jan. 1.
Guide tube mechanism for glass machinery. S. E. Winder. 2,598,955, June 3.
Guiding and feeding mechanism for endless typewriter ribbons. A. L. Pessoa. 2,614,676, Oct. 21.
Guiding device for contact leads of electrical elements under test. H. T. Chouljian. 2,606,228, Aug. 5.
Guiding filaments, Method of and apparatus for. E. W. Hertenstein, Jr. 2,588,525, Mar. 11.
Guiding means for heated press platen. R. K. Sedgwick. 2,582,889, Jan. 15.
Guiding support for reciprocating saws. F. Haynes. 2,606,579, Aug. 12.
Gum massager. M. Staunt. 2,614,556, Oct. 21.
Gum massager and tooth cleaner. R. A. Birch. 2,583,038, Jan. 22.
Gum reaction product and processes. K. M. Gaver, E. P. Lasure and L. M. Thomas. 2,609,367, Sept. 2.
Gummed tape dispenser. C. R. Taylor. 2,584,065, Jan. 29.
Gummed tape serving and moistening mechanism. R. A. Havemann, D. S. Bruce and C. B. MacRae. 2,614,523, Oct. 21.
Gumming and pasting machine. C. A. Surridge. 2,599,666, June 10.
Gun. E. L. Ahlgren. 2,621,732, Dec. 16.
Gun adapter. D. M. Richey. 2,601,457, June 24.
Gun bore measuring device. D. H. Newhall. 2,607,128, Aug. 19.
Gun carrier. E. L. Barney. 2,588,467, Mar. 11.
Gun computer having target rate integrating means for determining target position. D. C. Bomberger, W. E. Ingerson, and H. G. Och. 2,582,474, Jan. 15.
Gun control system, Manually operated telemetric. E. C. Cunningham. 2,596,130, May 13.
Gun firing mechanism with cutout device. V. C. Bowser and G. W. Kinzelman. 2,582,225, Jan. 15.
Gun for discharging plastic composition. H. S. Pietrzak. 2,617,560, Nov. 11.
Gun, Internally fired perforating. J. O. Tow. 2,597,409, May 20.
Gun loading mechanism. C. F. Brereton. 2,592,790, Apr. 15.
Gun loading mechanism. P. H. Dixon. 2,598,766, June 3.
Gun loading mechanism. J. E. Walsh and C. W. Greene. 2,591,896, Apr. 8.
Gun mount. Q. C. Johnson. 2,612,819, Oct. 7.
Gun muzzle protector. A. G. Lampe. 2,607,147, Aug. 19.
Gun perforator. J. H. Castel. 2,607,417, Aug. 19.
Gun perforator. O. W. Githens, T. W. Smith, and D. C. Whitaker. 2,587,723, Mar. 4.
Gun perforator. L. Spencer. 2,593,620, Apr. 22.
Gun perforator. L. Spencer. 2,598,651, May 27.
Gunrack. J. P. Aitchison and A. C. Bonkemeyer. 2,593,402, Apr. 22.
Gunrack. W. G. Levy. 2,616,506, Nov 4.
Gunrack, Locking type. W. G. Levy. 2,623,639, Dec. 30.
Gun rammer. G. A. Chadwick and P. W. Burk. 2,593,412, Apr. 22.
Gun recoil absorbing mechanism. G. O. Rockwell. 2,598,017, May 27.
Gun repair tool. V. G. Walsh. 2,620,012, Dec. 2.
Gun sight. W. M. Austin. 2,613,442, Oct. 14.
Gun sight. J. L. Fluty. 2,600,985, June 17.
Gun sight. O. S. Fowler. 2,586,807, Feb. 26.
Gun sight. D. V. Gallery, Jr. 2,600,400, June 17.
Gun sight. G. C. McKay. 2,607,993, Aug. 26.
Gun sight. A. M. Pasquarella. 2,600,801, June 12.
Gun sight. W. L. Stewart. 2,603,874, July 22.
Gun sight. R. R. Williams. 2,607,120, Aug. 19.
Gun sight. D. A. Wing. 2,615,252, Oct. 28.
Gun sight and range finder, Combination. T. S. Dayton. 2,583,042, Jan. 22.
Gun sight, Demountable. O. W. Boughton and R. S. Filsinger. 2,602,230, July 8.
Gun sight having a plurality of illuminated reticles. R. Tonsey. 2,584,171, Feb. 5.
Gunsight having lead computing device. C. S. Draper and E. P. Bentley. 2,609,606, Sept. 9.
Gun sight, Illuminated. C. E. Bethke. 2,596,522, May 13.
Gun sight mounting. E. J. Martin and J. E. Wilson. 2,585,395, Feb. 12.
Gun-sighting device. R. M. Burley. 2,583,815, Jan. 29.
Gun sling. A. B. Wilber. 2,608,733, Sept. 2.
Gun sling securing device. H. O. Smith. 2,598,143, May 27.
Gun, Spray. F. Schumacher. 2,620,229, Dec. 2.
Gun, Tear gas. H. H. Holroyd. 2,599,177, June 3.
Gun telescope mounting. D. T. Street. 2,621,410, Dec. 16.
Gun trigger pull gauge. S. T. Williams. 2,596,456, May 13.
Gun type drill. J. Fleischer. 2,606,464, Aug. 12.
Gust alleviating control means for airplanes. G. E. Bockrath. 2,584,667, Feb. 5.
Gyratory crusher. H. H. Rumpel. 2,590,795, Mar. 25.
Gyratory crusher. R. R. Shafter. 2,594,080, Apr. 22.
Gyratory crusher. S. W. Traylor, Jr. 2,586,122, Feb. 19.
Gyratory processing apparatus. J. T. Coghill and H. S. Hill. 2,599,543, June 10.
Gyrocompass. L. F. Carter. 2,611,973, Sept. 30.
Gyro erecting mechanism. C. E. Barkalow. 2,603,095, July 15.
Gyroerection system. R. R. Seliger. 2,589,874, Mar. 18.
Gyromagnetic compass apparatus. H. C. Pritchard, I. L. Thomas and G. E. Roberts. 2,599,124, June 3.
Gyroprecessing means. A. W. Fischer and A. D. McDuffie. 2,581,476, Jan. 8.
Gyro precessing system. G. F. Roush. 2,608,099, Aug. 26.
Gyrostabilizing system. H. E. Hale. 2,592,417, Apr. 8.
Gyrostatic stabilizer. H. Eriksson. 2,581,846, Jan. 8.
Gyro vertical. W. T. Buhl. 2,608,868, Sept. 2.
Gyro vertical, Inclined. H. H. Thompson. 2,608,869, Sept. 2.
Gyroscope. J. W. Barnes. 2,592,643, Apr. 15.
Gyroscope. J. W. Barnes. 2,610,509, Sept. 16.
Gyroscope. J. F. Schoeppel and W. A. Stone. 2,607,231, Aug. 19.
Gyroscope, Angular rate. H. H. Haglund. 2,584,125, Feb. 5.
Gyroscope control system for dirigible craft. C. R. Hanna. 2,623,716, Dec. 30.
Gyroscope control system for dirigible craft. I. M. Holliday. 2,591,938, Apr. 8.
Gyroscope, Directional. M. H. Axler. 2,590,837, Apr. 1.
Gyroscope, Floated. F. V. Johnson and F. R. Fowler. 2,618,159, Nov. 18.
Gyroscope, Low precession. M. I. Edelstein. 2,613,538, Oct. 14.
Gyroscope, Rate. W. A. Stone. 2,607,230, Aug. 19.
Gyroscope system, Compensated vertical. H. Konet. 2,597,151, May 20.
Gyroscope system, Master. C. L. Norden and W. C. Coulbourn. 2,606,448, Aug. 12.
Gyroscope, Temperature compensated floated. J. E. Lundberg. 2,585,024, Feb. 12.
Gyroscopic apparatus. W. L. Tracy. 2,602,334, July 8.
Gyroscopic artificial horizon. W. Wrigley. 2,603,094, July 15.
Gyroscopic direction indicator. A. T. Sinks, R. A. Pfuntner, and S. Gabrielson. 2,585,693, Feb. 12.
Gyroscopic direction indicator. A. T. Sinks, R. A. Pfuntner, and S. Gabrielson. 2,590,798, Mar. 25.
Gyroscopic gun sight. H. K. Weiss. 2,612,692, Oct. 7.
Gyroscopic slaving apparatus. W. A. Stone. 2,609,693, Sept. 9.
Gyroscopic stabilizing apparatus. A. W. Kuyvenhoven. 2,586,469, Feb. 19.
Gyroscopically controlled dirigible lamp. W. C. Tostevin. 2,606,999, Aug. 12.
H-plane horn. L. J. Chu. 2,599,895, June 10.
Hacksaw. F. F. Williams. 2,612,920, Oct. 7.
Hacksaw blade tensioning device. D. E. Gommel. 2,598,784, June 3.
Hacksaw frame. F. Collura. 2,606,585, Aug. 12.
Hack saw frame. J. H. Dohner. 2,580,896, Jan. 1.
Hacksaw frame. G. B. Graham. 2,622,641, Dec. 23.
Hacksaw lift. W. L. Hatch. 2,623,270, Dec. 30.
Hacksaw machine. G. S. Lodwick. 2,600,787, June 17.
Hack saw, Power-operated. A. M. Roberts. Re. 23,581, Nov. 11.
Hackamore. H. O. Jones. 2,597,736, May 20.
Hackle pliers with locking means. F. F. Poetker. 2,622,462, Dec. 23.
Hair applicator device, Liquid. T. R. Laing. 2,604,102, July 22.
Hair band. B. L. Harmon. 2,595,657, May 6.
Hairbrush or duster, Sanitary. F. C. Hergert. 2,582,992, Jan. 22.
Hairbrush with closure therefor. S. E. Peters. 2,611,916, Sept. 30.
Hairbrush with removable head, Sanitary. M. H. Storch. 2,589,746, Mar. 18.
Hairbrushes, Making. H. Gantz, H. H. Schwartz, and C. Iasillo. 2,621,369, Dec. 16.
Hair brushing and massaging implement. E. J. Sullivan and A. B. Snyder. 2,607,064, Aug. 19.
Hair cap for bald or sparsely haired heads. G. F. Hull. 2,602,460, July 8.
Hair clamp. I. Meohas. 2,597,254, May 20.
Hair clip. E. Sprinkle. 2,584,637, Feb. 5.
Hair clipper attachment. C. Mueller. 2,614,323, Oct. 21.
Hair clipper guide. C. W. Monyhan. 2,593,168, Apr. 15.
Hair clipper machine. H. P. Bergen. 2,608,184, Aug. 26.
Hair comb and cutter, Combined. W. S. Lefebre. 2,623,277, Dec. 30.
Hair combing, cleaning, and training device. A. C. Scheithe. 2,587,389, Feb. 26.
Hair curler. T. Boyko. 2,617,277, Nov. 18.
Hair curler. L. C. Brandel. 2,620,807, Dec. 9.
Hair curler. A. Caldora. 2,619,970, Dec. 2.
Hair curler. T. M. Cruce and F. O. Bateman. 2,601,860, July 1.
Hair curler. M. B. Forcey. 2,619,095, Nov. 25.
Hair curler. F. L. Giordano. 2,619,971, Dec. 2.

Hair curler. E. F. Ledbetter. 2,608,195, Aug. 26.
Hair curler. D. D. Loewenstein. 2,589,832, Mar. 18.
Hair curler. A. H. Madore. 2,582,550, Jan. 15.
Hair curler. N. L. Ralston. 2,619,094, Nov. 25.
Hair curler. E. Ratner and A. Pastore. 2,589,510, Mar. 18.
Hair curler. N. Schepis. 2,598,837, June 3.
Hair curler. N. L. Solomon. 2,598,943, June 3.
Hair curler. N. L. Solomon. 2,623,530, Dec. 30.
Hair curler. S. Solop. 2,593,929, Apr. 22.
Hair curler. H. P. R. Sommers. 2,599,874, June 10.
Hair curler. C. D. Vaughn. 2,613,679, Oct. 14.
Hair curler. R. K. Weaver and P. T. Hahn. 2,619,972, Dec. 2.
Hair curler. A. Zachary. 2,590,669, Mar. 25.
Hair curler. A. Zachary. 2,601,859, July 1.
Hair curler, Electrically operated. V. P. Smith. 2,586,103, Feb. 19.
Hair curler with rotatably adjustable barrel. A. E. Vaughn. 2,610,639, Sept. 16.
Hair curling device. E. T. Barnes. 2,611,377, Sept. 23.
Hair curling device. R. V. Brothers. 2,600,730, June 17.
Hair curling device. W. H. H. Davis and F. V. Schleimer. 2,593,544, Apr. 22.
Hair curling device. W. H. H. Davis and F. V. Schleimer. 2,595,645, May 6.
Hair-curling device. E. L. Keene. 2,604,892, July 29.
Hair curling device. E. E. King and D. P. Tatu. 2,611,378, Sept. 23.
Hair curling device. T. C. McCormack and C. G. Clark. 2,609,822, Sept. 9.
Haircutting and collecting device. P. L. Hammond. 2,610,393, Sept. 16.
Hair cutting and curling device. M. E. McIntyre. 2,611,376, Sept. 23.
Haircutting and trimming device. P. P. Burns. 2,587,964, Mar. 4.
Haircutting device. H. A. Davidson. 2,602,219, July 8.
Haircutting device. H. Elliott. 2,623,278, Dec. 30.
Haircutting method. R. R. Reno. 2,581,704, Jan. 8.
Hair dresser's guide. R. Budd. 2,595,564, May 6.
Hair drier. W. H. Bucknell and E. Miessmer. 2,591,669, Apr. 8.
Hair drier. A. L. Bunting. 2,585,735, Feb. 12.
Hair drier. E. Hedin. 2,586,036, Feb. 19.
Hair drying attachment for vacuum cleaners. M. O. O'Neil. 2,618,864, Nov. 25.
Hair drying equipment. D. H. Thomas. 2,580,619, Jan. 1.
Hair-dye compositions. E. Schueller. 2,610,941, Sept. 16.
Hair dyeing apparatus. L. O. and I. T. Kittle. 2,608,976, Sept. 2.
Hair extracting device. H. Orner. 2,586,855, Feb. 26.
Hair grooming device. B. Weissberger. 2,609,821, Sept. 9.
Hair parting device. E. Helfgott. 2,604,101, July 22.
Hair parting device. J. Lakeland. 2,591,835, Apr. 8.
Hair piece and clip. G. Rosen. 2,620,809, Dec. 9.
Hairpin. B. Einhorn and B. Peskin. 2,601,435, June 24.
Hairpin. F. G. Hall. Re. 23,574, Nov 11.
Hair pin. F. G. Hall. 2,599,447, June 3.
Hairpin. F. G. Hall. 2,614,570, Oct. 21.
Hairpin. A. V. Richetti. 2,609,825, Sept. 9.
Hairpin dispenser. N. Bulk. 2,623,802, Dec. 30.
Hairpin dispenser. B. Steinberg. 2,602,720, July 8.
Hairpin holder. R. E. Ratliff. 2,592,186, Apr. 8.
Hairpin receptacle. P. N. Boudreau. 2,613,859, Oct. 14.
Hair pushing attachment for electric hair clippers. F. L. Bush. 2,607,985, Aug. 26.
Hair remover with central feed of skin lotion. A. Masters. 2,594,959, Apr. 29.
Hair spring and balance wheel timing mechanism. F. J. Caldwell. 2,609,680, Sept. 9.
Hairspring vibrating stand. L. M. Grether, H. A. Turner, and F. R. Schweigler. 2,597,316, May 20.
Hair-restraining appliance. M. D. Neff. 2,609,823–4, Sept. 9.
Hair retaining device. F. C. Witmer. 2,599,505, June 3.
Hair straightening machine. B. A. Dodd. 2,584,434, Feb. 5.
Hair tonic and curling fluid dispensing comb. D. M. Ackerman. 2,601,858, July 1.
Hair-treating implement. J. Gaspari. 2,617,431, Nov. 11.
Hair trimmer. R. M. Brown. 2,615,243, Oct. 28.
Hair trimmer. P. J. Seferlis. 2,587,235, Feb. 26.
Hair trimmer, Razor type. W. M. Mansfield. 2,597,653, May 20.
Hair trimmer, Reversible. W. M. Mansfield. 2,615,244, Oct. 28.
Hair trimming attachment for shears. A. E. La Crosse. 2,593,574, Apr. 22.
Hair trimming device. R. P. M. Davis and N. Shaeffer. 2,589,230, Mar. 18.
Hair waver. T. R. Judd. 2,621,280, Dec. 9.
Hair-waving composition. M. Del Zoppo. 2,600,624, June 17.
Hair-waving device. B. Brandt. 2,617,430, Nov. 11.
Hair-waving device. E. M. Carney. 2,617,433, Nov. 11.
Hair-waving device. L. I. Fink. 2,620,806, Dec. 9.
Half-duplex telegraph repeater. W. T. Rea. 2,612,561, Sept. 30.
Half-life determining method. C. E. Wiegand. 2,590,057, Mar. 18.
Hall effect alternating current volt-ampere meter. R. A. Warner. 2,585,707, Feb. 12.
Hall effect converter construction. B. D. Leete. 2,594,939, Apr. 29.
Hall effect device. W. C. Dunlap, Jr. 2,592,257, Apr. 8.
Haloalkane sulfonates and toluidine derivatives thereof, Preparation of. J. E. Wicklatz. 2,600,287, June 10.
Halo-alkoxy-hexene-ynes. M. S. Newman. 2,581,283, Jan. 1.
Halogen containing organic compounds of phosphorus, Production of. W. M. Lanham. 2,610,978, Sept. 16.
Halogen containing resin stabilized with an acetylene alcohol. H. Berger and R. Linke. 2,603,622, July 15.
Halogen-containing resins stabilized with polymeric organo-tin dialkoxides. G. P. Mack and E. Parker. 2,592,926, Apr. 15.
Halogen-substituted acetyl peroxide catalyst for haloolefin polymerization. W. T. Miller, A. L. Dittman, and S. K. Reed. 2,586,550, Feb. 19.
Halogen-substituted pyrazolone couplers for color photography. A. Loria, A. Weissberger, and P. W. Vittum. 2,600,788, June 17.
Halogenated and nitro halogenated thiophenes as agricultural fungicides. K. G. Nolan and J. H. Fletcher. 2,600,126, June 10.
Halogenated aromatic compounds. S. D. Ross and M. Markarian. 2,600,691, June 17.
Halogenated aryl fatty acid, Production of. D. Papa and E. Schwenk. 2,580,459, Jan. 1.
Halogenated esters, Preparation of. E. Arundale. 2,607,800, Aug. 19.
Halogenated olefin pyridine derivatives. J. M. Smith, Jr. 2,616,890, Nov. 4.
Halogenated trifluoromethylstyrene materials and making same. G. B. Bachman and L. L. Lewis. 2,580,504, Jan. 1.
Halogenation of 2-aminopyrimidines. C. Ziegler. 2,609,372, Sept. 2.
Halogenoalkanenitriles. E. C. Ladd. 2,615,915, Oct. 28.
Halo-hydroxy-naphthoyl-alkanoic acids and the production thereof. R. R. Burtner and J. M. Brown. 2,610,210, Sept. 9.
Halophenoxy acetic acids, Production of. V. C. Fusco. 2,599,250, June 3.
Halophenoxysilanes. J. L. Speier, Jr. 2,611,778, Sept. 23.
Halophosphate phosphors. G. R. Fonda. 2,592,261, Apr. 8.
Halosteroid acid derivatives and preparation of same. R. B. Wagner and J. A. Moore. 2,606,197, Aug. 5.
Halosteroid alcohols and preparation of same. R. B. Wagner and J. A. Moore. 2,606,198, Aug. 5.
Halothenyl halides, Preparation of. H. D. Norris. 2,623,049, Dec. 23.
Halo-thiouracils. H. W. Barrett. 2,585,615, Feb. 12.
Halter and brassière. H. Lee. 2,585,257, Feb. 12.
Halter, Lady's. F. H. Engelman. 2,611,130, Sept. 23.
Hammer actuating mechanism. A. R. Filippi. 2,588,816, Mar. 11.
Hammer, Automatic magnetic tack. H. G. Anderson. 2,605,466, Aug. 5.
Hammer for feed mills, Rotary. G. L. Ball. 2,602,597, July 8.
Hammer frame. R. A. Kropp. 2,589,402, Mar. 18.
Hammer having shock-absorbing handle. A. E. Floren. 2,603,260, July 15.
Hammer head for rotary beaters, Detachable. A. J. Roubal. 2,587,767, Mar. 4.
Hammer head having rebound-preventing means. J. W. Kahlen. 2,604,914, July 29.
Hammer holster. J. G. Vanish. 2,618,419, Nov. 18.
Hammer knife mower. C. W. Mott. 2,589,845, Mar. 18.
Hammer, Magnetic nail-holding. Y. H. Kurkjian. 2,597,876, May 27.
Hammer mechanism for use in straightening automobile bodies and fenders. E. Uberti. 2,595,207, Apr. 29.
Hammer-mill bed plate and teeth therefor. W. M. Perry. 2,595,810, May 6.
Hammer mill feed delivery chute, including dust guard. A. J. Layberger. 2,609,996, Sept. 9.
Hammer mill for grinding feed. J. H. Oliver. 2,587,372, Feb. 26.
Hammer mill with adjustable grater. V. Jindfich. 2,597, 333, May 20.
Hammer mill with material deflecting feed structure. Reversible. J. G. Wilson. Re. 23,468, Mar. 4.
Hammer, Pneumatic. W. H. Peck. 2,608,413, Aug. 26.
Hammer, Pneumatic. J. E. Terry. 2,585,975, Feb. 19.
Hammer, Pneumatic drop. R. P. Fitzgerald. 2,612,868, Oct. 7.
Hammer, Pneumatic sheet metal. G. C. Current. 2,605,808, Aug. 5.
Hammer pocket device. H. B. Behnke. 2,594,614, Apr. 29.
Hammer, Power-driven. S. Thompson. 2,594,522, Apr. 29.
Hammer safety for automatic guns, Automatic. A. F. Gaidos. 2,590,854, Apr. 1.
Hammer, Sheet metal working. R. A. Daniels. 2,623,426, Dec. 30.
Hammer, Sheet metalworking. A. M. Hexdall. 2,606,468, Aug. 12.
Hammer, Soft-headed. W. K. Jahn, J. A. Carmien and J. E. Mullings. 2,601,294, June 24.

Hammer, Soft metal. F. Piampiano and A. H. Bennett. 2,607,379, Aug. 19.
Hammer spring and trigger spring for firearms, Unitary. D. M. Williams. 2,600,176, June 10.
Hammer type rotary rock-drilling bit. H. Pennington. 2,620,162, Dec. 2.
Hammer with rectifier in handle, Electric. C. S. Weyandt. 2,613,241, Oct. 7.
Hammock stand. C. F. Benjamin. 2,581,623, Jan. 8.
Hammock supporting assembly. J. P. Cole and W. A. Winters, Sr. 2,618,788, Nov. 25.
Hamper, Clothes. C. Fuerst. 2,607,653, Aug. 19.
Hand and power operated means. P. F. Rossmann. 2,621,543, Dec. 16.
Hand and power operated mechanism. E. E. Hosea. 2,619,847, Dec. 2.
Handbag. M. Arnthal. 2,622,647, Dec. 23.
Handbag. W. H. Carroll. 2,603,266, July 15.
Handbag. H. Meyers. 2,582,447, Jan. 15.
Handbag. W. J. Reilly. 2,604,917, July 29.
Handbag. C. M. Rose. 2,608,228, Aug. 26.
Handbag. S. Starr. 2,612,925, Oct. 7.
Handbag and umbrella holder, Combined. C. Feigl and B. Halpert. 2,616,471, Nov. 4.
Handbag for women, Washable. M. U. Barnes. 2,621,696, Dec. 16.
Handbag, Lady's. L. Kaufman. 2,606,588, Aug. 12.
Handbag, Snap front. A. Schocket. 2,612,199, Sept. 30.
Handbag, Woman's. E. A. Ingram. 2,622,648, Dec. 23.
Hand brake control. N. E. Wahlberg and J. F. Sladky. 2,615,350, Oct. 28.
Hand brake for railway cars. F. E. Bretz, Jr. 2,620,681, Dec. 9.
Hand brake mechanism. E. C. Mersereau. 2,618,169, Nov. 18.
Hand carried power tool. B. B. Butz. 2,621,685, Dec. 16.
Hand control for automotive vehicles. R. K. Wilson. 2,602,348, July 8.
Hand covering. R. Boehm-Myro. 2,603,790, July 22.
Hand die. P. J. Huhn. 2,586,823, Feb. 26.
Hand electric plane. R. Drysdale. 2,600,859, June 17.
Handgrip operated switch. W. M. Royer. 2,593,488, Apr. 22.
Handkerchief, Pocket. B. G. Hicks. 2,592,033, Apr. 8.
Handkerchief, Simulated. S. E. Ginal, Jr. 2,597,146, May 20.
Hand loom. T. H. Clack. 2,582,008, Jan. 8.
Hand loom. J. C. Iwald. 2,588,843, Mar. 11.
Hand loom. W. G. Throop. 2,607,979, Aug. 26.
Hand metal stamping tool. C. A. Royer. 2,581,715, Jan. 8.
Hand notching tool. L. P. Glick and F. E. Norman. 2,595,841, May 6.
Hand-operated motor-driven radial machine tool. C. F. Duerr, Jr. 2,590,093, Mar. 25.
Hand-operated oscillating and laterally moving cutter. G. J. Zwiesler. 2,598,873, June 3.
Hand-operated web cutting apparatus. C. G. Axworthy. 2,599,601, June 10.
Hand or power transmitting apparatus. W. G. Hoelscher. 2,608,109, Aug. 26.
Hand printing type collocator. T. Wold. 2,621,419, Dec. 16.
Hand propelled vehicle. H. F. Bloomstran. 2,582,000, Jan. 8.
Hand protector grip. C. W. Dick. 2,591,523, Apr. 1.
Hand rail and shelf construction for stepladders. M. Hedglon. 2,614,744, Oct. 21.
Hand sander. C. D. Trussell. 2,595,429, May 6.
Handsaw. B. A. Derr. 2,606,584, Aug. 12.
Handsaw and gauge, Combined. C. Auckland. 2,602,240, July 8.
Hand scraping tool. G. R. Morris. 2,599,193, June 3.
Hand stamp device. B. K. Slonneger. 2,620,731, Dec. 9.
Hand stamp, Selective folding. G. T. Brown, Jr. 2,597,919, May 27.
Hand support for automobiles. C. E. Orrison. 2,586,986, Feb. 26.
Hand tool. J. E. Penkauskas. 2,583,876, Jan. 29.
Hand tool drive. T. J. Parker. 2,601,788, July 1.
Hand trap. L. C. Marley. 2,586,547, Feb. 19.

Handle: *See*—
- Auxiliary adjustable pot handle.
- Baggage handle.
- Boat handle.
- Box and container handle.
- Box spring handle.
- Carafe handle.
- Casket handle.
- Container handle.
- Detachable camera handle.
- Detachable handle.
- Dipper handle.
- Door handle.
- Fifth wheel handle.
- Fishing rod handle.
- Hubcap removing handle.
- Insulated handle.
- Insulating handle.
- Latch releasing door handle.
- Lawn mower handle.
- Magazine tool handle.
- Mattress handle.
- Operating handle.
- Removable handle.
- Retractable door handle.
- Safety handle.
- Safety locking motor vehicle door handle.
- Saw handle.
- Ski pole handle.
- Starter handle.
- Takedown metal bow handle.
- Telescoping handle.
- Unitary self - adjusting handle.
- Tool handle.

Handle. E. H. Sieling. 2,605,010, July 29.
Handle. F. P. Stanley. 2,602,687, July 8.
Handle and clip for containers, Combination. R. C. Potts. 2,612,309, Sept. 30.
Handle and operating lever assembly for flushing tanks. D. E. Gulick. 2,609,546, Sept. 9.
Handle assembly, Door. J. H. Roethel. 2,606,783, Aug. 12.
Handle attachment for brushes. A. La Barre. 2,598,063,
Handle bar grip. D. C. Hungerford. 2,618,986, Nov. 25.
Handle bar mounting. W. A. Keetch. 2,583,947, Jan. 29.
Handle connection. C. L. Davis. 2,594,878, Apr. 29.
Handle connection. A. Rhodes. 2,593,609, Apr. 22.
Handle construction for mirrors and toilet set articles. W. Steinen. 2,597,905, May 27.
Handle-container for different size hexagonal wrenches. R. G. Arey. 2,593,828, Apr. 22.
Handle fastener for brushes and the like. L. McGuire. 2,611,658, Sept. 23.
Handle for football dummies. H. D. Wynn. 2,586,283, Feb. 19.
Handle for box springs or the like. S. Blake. 2,617,143, Nov. 11.
Handle for boxes. C. A. Brunk. 2,602,688, July 8.
Handle for brief cases, Slide-in. H. Schneider. 2,589,438, Mar. 18.
Handle for bucksaws. J. W. Canter. 2,615,485, Oct. 28.
Handle for carton carriers. L. S. Nolan. 2,591,593, Apr. 1.
Handle for cartons or the like. G. G. Simmonds. 2,612,401, Sept. 30.
Handle for containers. E. M. Oliver and B. F. Malherbe. 2,580,824, Jan. 1.
Handle for crochet needles, Removable and replaceable. E. H. Suessman. 2,608,077, Aug. 26.
Handle for cryptorium, Removable. K. J. King. 2,623,235, Dec. 30.
Handle for cupcake pans and the like, Detachable. E. C. Marulli. 2,613,978, Oct. 14.
Handle for door locks. K. G. H. Ström. 2,621,065, Dec. 9.
Handle for doors and the like, Locking. R. H. Osborne. 2,620,647, Dec. 9.
Handle for frozen products. V. V. Bond. 2,583,355, Jan. 22.
Handle for heated vessels, Detachable insulated. G. Lemetre. 2,598,568, May 27.
Handle for mattresses and the like. M. Bechik. Re. 23,590, Dec. 2.
Handle for model airplanes, Control. H. Stewart. 2,592,971, Apr. 15.
Handle for portable fire extinguishers. L. Gordon. 2,581,013, Jan. 1.
Handle for screw drivers and similar tools. J. M. Hadfield. 2,609,851, Sept. 9.
Handle for sensory aid instrument having light projecting means. R. E. Ulrich. 2,600,708, June 17.
Handle for shovels or the like, Detachable. S. J. Citso. 2,614,879, Oct. 21.
Handle for suction cleaner casing. L. E. Segesman. 2,591,305, Apr. 1.
Handle for suitcase type containers. C. D. Welshenbach. 2,605,041, July 29.
Handle for toothbrushes, Adjustable. F. R. Haupt. 2,609,251, Sept. 2.
Handle for valve stems and the like. L. R. Davidson. 2,607,616, Aug. 19.
Handle for vessels. A. R. Backus. 2,586,199, Feb. 19.
Handle grip. J. A. Chrisman. 2,621,358, Dec. 16.
Handle means and support structure for power lawn mowers. C. E. Brockman. 2,592,856, Apr. 15.
Handle means for simultaneous operation of double-ended pliers. J. D. Keenan. 2,591,360, Apr. 1.
Handle mounting means. J. B. Stuman. 2,621,357, Dec. 16.
Handle structure. A. E. Allen. 2,581,062, Jan. 1.
Handle with cord control mechanism. E. P. Turner. 2,622,706, Dec. 23.
Handled container. J. D. Crary. 2,603,409, July 15.
Handling and varnishing electrical windings. N. B. Ornitz. 2,620,769, Dec. 9.
Handling apparatus. P. J. M. T. Allard. 2,623,644, Dec. 30.
Handling apparatus for hollow coils and the like. S. F. Jackes and R. H. Sheets. 2,600,538, June 17.
Handling articles, Means for. G. E. Rowe. 2,623,649, Dec. 30.
Handling continuously spun artificial threads or the like, Method and apparatus for. K. M. McLellan and R. W. Stanley. 2,611,924, Sept. 30.
Handling device. G. A. M. Gamet and L. J. H. Bromet. 2,623,775, Dec. 30.
Handling finely divided materials, Method and apparatus for. G. Niemitz. 2,580,581, Jan. 1.
Handling fluidized solids, Method and apparatus for. J. W. Packie. 2,589,124, Mar. 11.
Handling freight. N. J. Van Nes. 2,606,508, Aug. 12.
Handling glass batch, Method and apparatus for. M. M. Cannon, Jr. 2,593,535, Apr. 22.
Handling material. G. L. Turner. 2,583,977, Jan. 29.
Handling material. G. L. Turner. 2,601,932, July 1.
Handling of building boards. W. H. Maclennan, E. C. Clark, and W. J. D. Lowrie. 2,623,627, Dec. 30.

Handling of continuous materials, Method and apparatus for the. H. von Kohorn. 2,618,042, Nov. 18.
Handling of fluoboric acid. J. W. Sprauer and O. S. Sprout, Jr. 2,584,819, Feb. 5.
Handling of pins. L. C. Collyer. 2,604,576, July 22.
Handling pipes or conduits. L. E. Smith. 2,580,471, Jan. 1.
Handling railroad ties, Method and apparatus for. G. F. Stewart, F. E. Houck, and J. D. Boyer, Jr. 2,622,540, Dec. 23.
Handling waste sulfite liquor. T. W. Stewart. 2,596,875, May 13.
Handling yarns, Method and apparatus for. H. J. McDermott. 2,623,240, Dec. 30.
Handy memo. S. Segal. 2,616,726, Nov. 4.
Hanger: *See*—
- Adjustable clothes hanger.
- Adjustable shaft hanger.
- Adjustable width single-piece garment hanger.
- All-purpose garment hanger.
- Antifriction curtain hanger.
- Ball bearing swing hanger.
- Belt hanger.
- Bobbin hanger.
- **Broom hanger.**
- Clothes hanger.
- Coat hanger.
- Collapsible clothes hanger.
- Collapsible curtain hanger.
- Collapsible garment hanger.
- Combination coat and trousers hanger.
- Combination jacket, trouser, and tie hanger.
- Convector core hanger.
- Door hanger.
- Drape separating hanger.
- Extensible garment hanger.
- Film hanger.
- Film processing hanger.
- Garage door hanger.
- Garment hanger.
- **Inflatable garment hanger.**
- Lavatory hanger.
- Liner hanger.
- Milking machine hanger.
- Motor driven lamp hanger.
- Multiple garment hanger.
- Necktie hanger.
- Pants hanger.
- Pinless skirt hanger.
- **Pipe hanger.**
- Plate hanger.
- Polish rod hanger.
- **Portable clothes hanger.**
- Retracting hanger.
- **Roadway load hanger.**
- Rotatable tubing hanger.
- Sash hanger.
- **Self-locking twin garment hanger.**
- Shoe hanger.
- Skirt hanger.
- Spring hanger.
- Telescopic hanger.
- Trouser and skirt hanger.
- Trouser hanger.
- Universal electric fixture hanger.

Hanger. A. D. Carpenter and C. A. Slater. 2,586,001, Feb. 19.
Hanger. H. M. Habel. 2,583,563, Jan. 29.
Hanger. L. Martin. 2,617,538, Nov. 11.
Hanger. J. F. Pontius. 2,605,906, Aug. 5.
Hanger. R. B. Tallman. 2,596,054, May 6.
Hanger and clamp for supporting electrical conductors, Combination. A. H. Genter. 2,596,022, May 6.
Hanger and rod, Combination. A. E. Henley. 2,617,537, Nov. 11.
Hanger and sleeve wrinkle remover, Coat. E. L. Blackman. 2,586,909, Feb. 26.
Hanger arrangement for supplemental windows. W. F. Barnard. 2,580,877, Jan. 1.
Hanger attachment, Garment. W. L. Taub. 2,591,387, Apr. 1.
Hanger clamping mechanism, Garment. G. M. Lane. 2,581,800, Jan. 8.
Hanger construction for supporting meat hooks. A. A. Hamer. 2,590,533, Mar. 25.
Hanger construction, Garment. J. K. Burns. 2,591,234, Apr. 1.
Hanger fitting. W. B. Crawford. 2,600,974, June 17.
Hanger for electric conductors. W. J. Lewis. 2,616,827, Nov. 4.
Hanger for floating roofs. W. E. Busse and C. M. Orr. 2,611,504, Sept. 23.
Hanger for sliding doors. A. Nordahl. 2,610,367, Sept. 16.
Hanger for supporting electric trolley wires. L. H. Hawkes. 2,620,408, Dec. 2.
Hanger for the frames of pictures, mirrors, and the like. J. G. Bryn. 2,606,730, Aug. 12.
Hanger for window screens and storm windows. J. H. Schmitt. 2,621,361, Dec. 16.
Hanger in strip form. I. B. Watts. 2,611,492, Sept. 23.
Hanger means for Venetian blinds. F. X. Ganter. 2,597,578, May 20.
Hanger or rack attachment for beds, Slipper. S. D. Davies. 2,614,268, Oct. 21.
Hanger with trouser support, Garment. S. D'Alro. 2,620,101, Dec. 2.
Hanging bracket for illuminating tubes. E. Wiles. 2,626,028, Oct. 28.
Hanging support. D. A. Hansen and C. R. Lyseng. 2,587,150, Feb. 26.
Hard and soft bass drum beater ball, Combination. G. F. Helderich and C. Tappan. 2,586,163, Feb. 19.
Hardboard and the like containing furfuryl alcohol resins, Making. O. Spence. 2,612,445, Sept. 30.
Hard-faced metal, Producing. G. J. Gibson. 2,592,414, Apr. 8.
Hard metal compositions. J. Kurtz. 2,607,676, Aug. 19.
Hard rock drill head. O. A. Letts. 2,595,962, May 6.
Hardened particle mixed grain photographic emulsion. H. Baines, E. P. Davey, and E. F. Teal. 2,618,553, Nov. 18.
Hardened photographic film of improved photographic properties. B. R. Harriman. 2,591,542, Apr. 1.
Hardened self-lubricating radial and thrust bearing. S. M. Scully. 2,600,079, June 10.
Hardening bath. C. Albrecht. 2,620,310, Dec. 2.
Hardening bauxite with calcium sulfate. H. Heinemann. 2,595,943, May 6.
Hardening gelatin and photographic gelatin emulsions. F. J. Kaszuba. 2,586,168, Feb. 19.
Hardening rolls. J. S. Rennick. 2,619,439, Nov. 25.
Hardness tester as a function of time. D. F. Sklar. 2,619,831, Dec. 2.
Hardware attachment. E. H. McLaughlin. 2,609,069, Sept. 2.
Hardware insulator for vehicles. C. C. Talley. 2,583,901, Jan. 29.
Harmonic frequency selector. K. A. Young. 2,617,039, Nov. 4.
Harmonic generator. C. A. Lovell and D. B. Parkinson. 2,580,446, Jan. 1.
Harmonica. A. La Paglia. 2,608,898. Sept. 2.
Harness, Body. L. Twyman. 2,594,097, Apr. 22.
Harness control. A. Moessinger. 2,592,820, Apr. 15.
Harness, Dog. C. Urbanski. 2,605,744, Aug. 5.
Harness frame for looms. P. C. Consoletti. 2,618,296, Nov. 18.
Harness frame for looms. L. M. Dorman. 2,593,997, Apr. 22.
Harp for electric light lamp shades, Adjustable. J. Smurik. 2,593,704, Apr. 22.
Harpoon cannon. J. B. Balliano and J. R. Grigg. 2,581,758, Jan. 8.
Harrow attachment for tractors. R. Udy. 2,591,028, Apr. 1.
Harrow tooth. T. Gray. 2,606,413, Aug. 12.
Harrow trailer, Foldable. E. J. Anderson. 2,620,200, Dec. 2.
Harrow, Wheeled. R. W. Garrett. 2,599,251, June 3.
Harvester, Asparagus. A. J. Matteoli. 2,581,119, Jan. 1.
Harvester, Bean. J. Sisko. 2,615,295, Oct. 28.
Harvester, Beet. L. Botimer. 2,619,785, Dec. 2.
Harvester, Beet. J. A. Diethelm. 2,595,340, May 6.
Harvester, Beet. E. J. Floeter and E. V. Waack. 2,589,361, Mar. 18.
Harvester, Beet. E. V. Waack and E. J. Floeter. Re. 23,565, Oct. 14.
Harvester, Broomcorn. F. H. Thompson. 2,599,143, June 3.
Harvester, Cane. R. L. Larson. 2,609,648, Sept. 9.
Harvester, Celery. F. P., J. G., and J. E. Weid. 2,585,416, Feb. 12.
Harvester, Corn. J. D. Barnard and A. Leverson. 2,614,378, Oct. 21.
Harvester, Corn. R. C. Fergason. 2,604,750, July 29.
Harvester, Cotton. F. E. Godwin. 2,616,235, Nov. 4.
Harvester, Cranberry. J. A., M. S., and M. M. Stankavich. 2,607,180, Aug. 19.
Harvester, Floating pickup wheel type beet. J. B. Bingham and T. H. Herberg. 2,582,945, Jan. 22.
Harvester for pea vines and the like. W. W. Porter. 2,614,379, Oct. 21.
Harvester, Peanut. G. C. Kearse. 2,600,992, June 17.
Harvester, Potato. E. H. Holden. 2,610,457, Sept. 16.
Harvester, Reciprocating spindle type cotton. A. W. Weems. 2,585,062, Feb. 12.
Harvester, Self-leveling bean and pea. R. and W. Ritter. 2,597,673, May 20.
Harvester, Sugar beet. W. A. Evans. 2,617,243, Nov. 11.
Harvester support mechanism. H. D. Hume. 2,603,054, July 15.
Harvester, Vegetable. R. R. Richmond. 2,588,764, Mar. 11.
Harvester with lifter, Beet. T. H. Jensen. 2,580,432, Jan. 1.
Harvesting and threshing machine, Pea. B. C. Coons. 2,608,373, Sept. 2.
Harvesting apparatus, Hay. H. L. Whitley. 2,597,962, May 27.
Harvesting machine. J. M. Dietrich. 2,597,076, May 20.
Harvesting machine. C. V. Morine. 2,584,361, Feb. 5.
Harvesting machine, Fruit, nut, and olive. W. G. Leighton. 2,602,279, July 8.
Harvesting machine, Grain. L. L. Kill. 2,616,579, Nov. 4.
Harvesting machine, Onion. N. Perry and S. Schultz. 2,592,328, Apr. 8.
Harvesting machine, Peanut. D. C. Deal. 2,620,616, Dec. 9.
Harvesting machine with coupling mechanism to a tractor. J. M. Martin. 2,592,928, Apr. 15.
Hasp. W. O. Kirkpatrick. 2,593,570, Apr. 22.
Hassock. H. H. Isaacson. 2,595,144, Apr. 29.
Hassock and storage box, Combination. E. Doern. 2,608,241, Aug. 26.
Hassock, Convertible. J. J. Pagano. 2,620,018, Dec. 2.
Hassock, Sectional. J. W. Santosuosso. 2,606,599, Aug. 12.
Hat. H. Lev. 2,582,492, Jan. 15.
Hat. W. G. Luttge. 2,616,091, Nov. 4.
Hat anchor. D. Sigler and F. E. Walsky. 2,594,814, Apr. 29.
Hatband. S. D. Rosenblatt. 2,617,110, Nov. 11.
Hatband, Fisherman's. E. L. Sherman. 2,597,601, May 20.
Hatbox. G. R. Roos. 2,581,710, Jan. 8.

Hat construction P. J. Xeros. 2,616,090, Nov. 4.
Hat construction, Novelty. N. Rikelman. 2,593,188, Apr. 15.
Hat cover with perforated brim. R. J. Welkert. 2,591,324, Apr. 1.
Hat holder. R. D. Gordon. 2,590,401, Mar. 25.
Hat holder. H. L. Richardson. 2,596,287, May 13.
Hat, Paper. I. Gardner. 2,594,906, Apr. 29.
Hat protecting device. J. G. Reinhard. 2,620,483, Dec. 9.
Hat retainer means. H. M. Birch. 2,615,452, Oct. 28.
Hat, Safety. G. C. Johnson and A. A. Perelman. 2,585,937, Feb. 19.
Hat, Separable two-piece. C. Waring. 2,604,630, July 29.
Hat shaping apparatus. C. H. Marris. 2,609,128, Sept. 2.
Hat size adjuster. L. Widder. 2,597,555, May 20.
Hat stacking device. M. B. Sorensen. 2,595,722, May 6.
Hat, Sun. A. and A. T. Provitola. 2,623,213, Dec. 30.
Hatch construction for railway car roofs. J. S. Swann. 2,602,407, July 8.
Hatch construction for railway cars. J. S. Lundvall. 2,612,849, Oct. 7.
Hatch cover. C. G. Guthrie. 2,599,106, June 3.
Hatch cover and ventilator for storage tanks, Combined. W. F. Wagner. 2,600,947, June 17.
Hatch frame and insulation supporting pan for refrigerator cars. V. E. West. 2,620,749, Dec. 9.
Hatch plug. K. T. Nystrom. 2,607,302, Aug. 19.
Hatch skirt and insulation pan support. E. S. Cisco. 2,613,616, Oct. 14.
Haulage apparatus for mining machines. J. C. Sproul. 2,581,052, Jan. 1.
Hauling and hoisting gear. S. Faure. 2,585,101, Feb. 12.
Hay baler. B. J., M. K., R. A., and M. A. Baskerville, and F. A. B. Lennon and W. J. Baskerville. 2,585,425, Feb. 12.
Hay baler feed mechanism. B. J. Baskerville. Re. 23,582, Nov. 18.
Hay baler sleeve. G. Almquist. 2,600,827, June 17.
Hay cutter and loader. L. R. Graessle. 2,599,255, June 3.
Hay drying device. H. C. Erfurth. 2,601,728, July 1.
Hay drying machine. B. C. Adams. 2,593,401, Apr. 22.
Hay feed cutoff for bailing machines. A. J. and L. G. Seegers. 2,591,970, Apr. 8.
Hay fork. L. E. Smith. 2,586,875, Feb. 26.
Hayfork and boom, Hydraulic. D. C. Shattuck. 2,605,919, Aug. 5.
Hayfork, Hydraulic. W. A. Henggeler. 2,591,431, Apr. 1.
Hay handling apparatus. A. W. Fahrenkrog. 2,596,668, May 13.
Hay harvester and loading press. C. Randall. 2,622,386, Dec. 23.
Hay hoist. A. Pehrson. 2,580,856, Mar. 18.
Hay loader. L. E. Worsdell. 2,585,891, Feb. 12.
Hay loading attachment. C. C. Graves. 2,586,324, Feb. 19.
Hay-shocking apparatus. R. A. Jamieson. 2,581,486, Jan. 8.
Hay storage and feeding barn. D. Cameron. 2,613,640, Oct. 14.
Hay tool. A. W. Johnson. 2,623,772, Dec. 30.
Head and shell joint for drier drums. L. Hornbostel. 2,603,380, July 15.
Head ballast blowing valve mechanism for automobile torpedoes. L. Jones. 2,620,827, Dec. 9.
Head block for two-line operated grapples or the like. G. J. Ehrhardt. 2,618,506, Nov. 18.
Head covering. E. Berg. 2,616,089, Nov. 4.
Head covering. E. Berg. 2,616,092, Nov. 4.
Head covering with vision portions, Protective. D. I. Shaw. 2,601,680, July 1.
Head for magnetic recorders. C. F. E. Garreau. 2,594,414, Apr. 29.
Headlight for suction cleaners. J. E. Vance. 2,594,524, Apr. 29.
Headlight marker, Motor vehicle. D. E. Warren and P. Branson. 2,596,879, May 13.
Headlight mounting and adjusting arrangement. P. Cibié. 2,608,642, Aug. 26.
Headlight tester. H. E. Hermann and R. S. Krause. 2,604,003, July 22.
Headlight with resiliently mounted sealed-beam bulb. G. E. Edmunds. 2,620,434, Dec. 2.
Head-of-rail bond. F. C. Lavarack. 2,622,903, Dec. 23.
Head protector and temple guard for baseball players. R. McCoy. 2,607,036, Aug. 19.
Headrest. P. Challis. 2,623,575, Dec. 30.
Headrest. C. W. Johnson and J. T. Clark. 2,586,952, Feb. 26.
Headrest. A. J. Lyons. 2,581,802, Jan. 8.
Headrest. J. S. Roginski. 2,613,731, Oct. 14.
Headrest. A. M. Thoma. 2,582,571, Jan. 15.
Headrest, Bathtub. J. Kunes. 2,592,160, Apr. 8.
Headrest for creepers. R. H. Neil. 2,614,271, Oct. 21.
Headrest for medical practice chairs. N. E. Lauterbach. 2,612,212, Sept. 30.
Head section for elevating machinery. E. Rahlson. 2,618,375, Nov. 18.
Headset. R. C. Gilbert. 2,586,644, Feb. 19.
Head spacing mechanism. E. L. Von Hofen. 2,600,285, June 10.
Headstock mounting. E. E. Hosea. 2,597,328, May 20.
Headwear. F. Schlesinger. 2,586,181, Feb. 19.
Header and tubes of a forced circulation steam generator. W. S. Patterson and E. C. Witzke. 2,615,434, Oct. 28.
Header block for oil well masts. E. Van Cleve. 2,606,000, Aug. 5.
Heald raising device for weaving looms. B. Schiavon. 2,596,177, May 13.
Hearing aid apparatus having sectional casing. R. E. Treslse and P. D. Kendall. 2,585,191, Feb. 12.
Hearing aid earpiece. L. G. Weaver. 2,596,351, May 13.
Hearing aid device. M. W. Levy. 2,616,985, Nov. 4.
Hearing aid hat construction, Lady's. A. Maffris. 2,584,896, Feb. 5.
Hearing aid, Spectacle type. A. M. Scaife. 2,613,282, Oct. 7.
Hearth kit. L. R. Nelson. 2,587,880, Mar. 4.
Heat accumulator. A. Escher. 2,580,534, Jan. 1.
Heat-activatable delayed-setting adhesive products. C. M. Wiswell. 2,608,543, Aug. 26.
Heat actuated container mounted pump. W. K. Davis. 2,618,412, Nov. 18.
Heat-and-quench hardening irregular objects such as gears. A. W. Herbenar. 2,598,694, June 3.
Heat applicator device. E. A. K. Burger. 2,619,575, Nov. 25.
Heat control circuit. C. B. Stadum, E. C. Hartwig, and W. E. Large. 2,623,168, Dec. 23.
Heat control for engine manifolds, Automatic. E. S. Dahl. 2,597,977, May 27.
Heat converter, Solar. M. H. Moseley. 2,608,968, Sept. 2.
Heat-curable mixtures of butadiene-acrylonitrile copolymers and phenol-aldehyde resins and making. C. F. Fisk. 2,605,248, July 29.
Heat detecting cable. D. R. Squier. 2,587,916, Mar. 4.
Heat detector for aircraft. P. J. Cade and D. J. MacDougall. 2,621,239, Dec. 9.
Heat dried detergent compositions containing form II sodium triphosphate, Making. E. S. Hizer. 2,622,068, Dec. 16.
Heat exchange apparatus. J. A. Jost and E. Vogt. 2,590,866, Apr. 1.
Heat exchange apparatus. L. J. Marshall. 2,594,471, Apr. 29.
Heat exchange apparatus. C. S. Martel. 2,602,648, July 8.
Heat exchange apparatus and support therefor. B. G. Newhall. 2,619,329, Nov. 25.
Heat exchange core. S. Przyborowski. 2,592,950, Apr. 15.
Heat exchange device. H. T. Booth. 2,591,774, Apr. 8.
Heat exchange device. L. H. Fritzberg. 2,587,720, Mar. 4.
Heat exchange fin and assembly. M. Dubin and M. Goldstein. 2,620,171, Dec. 2.
Heat exchange method. C. C. Brumbaugh. 2,615,688, Oct. 28.
Heat exchange method and apparatus. W. L. and F. J. Kaehni. 2,605,377, July 29.
Heat exchange roll, Multijet. L. R. D. Bishop. 2,603,457, July 15.
Heat exchange screw conveyer. C. A. Rietz. 2,610,033, Sept. 9.
Heat exchange tubing. I. H. Cohler. 2,621,903, Dec. 16.
Heat exchange unit. G. A. Borg. 2,621,900, Dec. 16.
Heat exchange unit. F. M. Young. 2,599,965, June 10.
Heat exchange unit having a trough. L. R. Burr. 2,585,736, Feb. 12.
Heat exchanger. R. W. Avery and K. J. Dangerfield. 2,614,198, Oct. 14.
Heat exchanger. H. A. Bendfelt. 2,622,854, Dec. 23.
Heat exchanger. J. Blizard. 2,609,597, Sept. 9.
Heat exchanger. G. K. W. Boestad. 2,596,642, May 13.
Heat exchanger. C. Boling. 2,611,585, Sept. 23.
Heat exchanger. C. Boling. 2,611,587, Sept. 23.
Heat exchanger. S. C. Collins. 2,596,008, May 6.
Heat exchanger. S. C. Collins. 2,611,586, Sept. 23.
Heat exchanger. F. C. Dawson. 2,602,877, July 8.
Heat exchanger. A. H. Fletcher, F. H. Stark, R. W. Corbitt, and W. Sherlaw. 2,594,761, Apr. 29.
Heat exchanger. K. H. Flint. 2,613,920, Oct. 14.
Heat exchanger. M. Frenkel. 2,597,091, May 20.
Heat exchanger. M. Frenkel. 2,609,184, Sept. 2.
Heat exchanger. J. C. Hobbs. 2,607,567, Aug. 19.
Heat exchanger. A. Horowitz. 2,616,530, Nov. 4.
Heat exchanger. G. Jendrassik. 2,617,634, Nov. 11.
Heat exchanger. P. C. Keith. 2,589,262, Mar. 18.
Heat exchanger. E. K. Kintner. 2,582,871, Jan. 15.
Heat exchanger. O. A. Labus. 2,611,584, Sept. 23.
Heat exchanger. A. J. J. Lambeek. 2,616,672, Nov. 4.
Heat exchanger. L. U. Larkin. 2,595,472, May 6.
Heat exchanger. D. M. McBean. 2,591,179, Apr. 1.
Heat exchanger. L. Parker. 2,586,250, Feb. 19.
Heat exchanger. A. C. Rathkey. 2,589,730, Mar. 18.
Heat exchanger. K. B. Ris. 2,590,465, Mar. 25.
Heat exchanger. R. A. Sandberg. 2,585,043, Feb. 12.
Heat exchanger. L. L. Simmons. 2,615,687, Oct. 28.
Heat exchanger. C. S. Simpelaar. 2,606,007, Aug. 5.
Heat exchanger. P. G. Vicard. 2,622,857, Dec. 23.
Heat exchanger. J. R. Wilson. 2,600,595, June 17.
Heat exchanger baffle structure for air-heating furnaces. R. F. Gibler. 2,612,153, Sept. 30.
Heat exchanger bearing arrangement. P. Kolb. 2,598,182, May 27.
Heat exchanger control. P. S. Dickey. 2,601,102, June 17.
Heat exchanger for hot gas piston engines. P. H. Clay. 2,590,611, June 10.
Heat exchanger for refrigerating systems. L. L. Arbuckle. 2,596,195, May 13.

Heat exchanger for reheating of precooked foods. H. R. Gregory. 2,620,789, Dec. 9.
Heat exchanger, Gas-to-gas. C. S. Simpelaar. 2,595,308, May 8.
Heat exchanger made from punched plates. W. W. Austin. 2,595,440, May 6.
Heat exchanger of the counterflow type for gaseous media, Recuperative. T. Vannérus. 2,596,622, May 13.
Heat exchanger, Pin fin. S. Holm and A. Jensen. 2,595,457, May 6.
Heat exchangers, Making. H. C. Dugan. 2,588,500, Mar. 11.
Heat exchanging device. P. H. Clay. 2,587,116, Feb. 26.
Heat fixture. P. O. Jordan. 2,619,577, Nov. 25.
Heat insulating material. M. Baxter. 2,598,102, May 27.
Heat insulating receptacle. P. A. Siple. 2,586,873, Feb. 26.
Heat lamp safety fixture for brooders. M. V. Schubert, Jr., B. E. Langohr, J. B. Manago, Jr., and L. J. Badskey. 2,612,594, Sept. 30.
Heat pump apparatus. R. H. Burgess. 2,619,812, Dec. 2.
Heat radiator and antenna. H. E. Goldstine. 2,596,479, May 13.
Heat radiator for electron discharge devices. R. C. Fortin. 2,616,055, Oct. 28.
Heat resistant magnetic cores and making. W. J. Polydoroff. 2,601,212, June 17.
Heat resistant panel. C. B. Hemming and R. L. Overholt. 2,601,284, June 24.
Heat sealing. R. C. Hurrey and H. R. Montague. 2,606,856, Aug. 12.
Heat-sealing apparatus. F. G. Dobbs and S. H. Dobbs. 2,587,034, Feb. 26.
Heat sealing apparatus, code printer, and punch, Combined. J. J. Grevich. 2,597,634, May 20.
Heat sealing device. J. Frye. 2,598,900, June 3.
Heat sealing device. N. Langer. 2,621,704, Dec. 16.
Heat-sealing element. J. A. Anglada. 2,614,953, Oct. 21.
Heat sealing element for thermoplastic film. T. W. Winstead. 2,606,987, Aug. 12.
Heat-sealing machine. H. F. Waters. 2,589,756, Mar. 18.
Heat-sealing tool. J. Frye. 2,615,113, Oct. 21.
Heat seamer. J. M. Humphrey and J. J. Grevich. 2,611,725, Sept. 23.
Heat-set inks comprising polyvinyl terpene ethers. W. S. Ropp. 2,595,983, May 6.
Heat setting and temperature indication in flatirons. F. E. Finlayson. 2,582,024, Jan. 8.
Heat stabilization of a chlorine containing polymer with a mercapto acid amide. T. H. Shelley, Jr. 2,614,095, Oct. 14.
Heat-transfer container. C. T. Bowen. 2,595,328, May 6.
Heat transfer device. J. Davidson. 2,615,686, Oct. 28.
Heat transfer device. E. P. Whitlow. 2,610,481, Sept. 16.
Heat transfer element. B. Spieth. 2,584,239, Feb. 5.
Heat transfer member. F. E. Sanborn. 2,607,519, Aug. 19.
Heat transfer pebble. A. H. Schutte and V. O. Bowles. 2,600,078, June 10.
Heat transfer unit. A. E. Brickman. 2,620,170, Dec. 2.
Heat treat tray. M. B Hutchinson and R. J. Shillum. 2,605,092, July 29.
Heat treated glass fabric. C. J. Straka. 2,608,499, Aug. 26.
Heat-treating a swellable bentonite to increase its thickening power. F. E. Hutchins and C. J. Golding.
Heat-treating and burning pulverised materials, Method of and apparatus for. D. Dalin. 2,604,083, July 22.
Heat treating and distillation of oxo alcohols. W. M. Smith. 2,614,070, Oct. 14.
2,610,951, Sept. 16.
Heat-treating cobalt-platinum magnets. D. L. Martin and A. H. Geisler. 2,622,050, Dec. 16.
Heat-treating electrical resistance alloy. V. O. Allen. 2,585,613, Feb. 12.
Heat-treating furnace. N. W. Huckestein. 2,596,027, May 6.
Heat-treating furnace. H. N. Ipsen. 2,615,701, Oct. 28.
Heat-treating furnace. J. Wallerius. 2,619,341, Nov. 25.
Heat-treating machine for textile material. W. P. Rose. 2,599,486, June 3.
Heat-treating rack. H. R. Strohecker. 2,586,578, Feb. 19.
Heat-treating solids. P. H. Royster. 2,608,481, Aug. 26.
Heat-treating strip. C. H. Verwohlt. 2,613,070, Oct. 7.
Heat-treating surface hardened articles. A. W. Herbenar. 2,604,419, July 22.
Heat-treatment of hardenable steel. C. G. Purnell. 2,618,284, Nov. 18.
Heat-treatment of irregular metallic objects. H. F. Kincaid, J. D. Graham, and J. A. Redmond. 2,590,546, Mar. 25.
Heat-treatment of metals. A. G. E. Robiette. 2,587,900, Mar. 4.
Heated anode gaseous electric discharge device. W. Dällenbach. 2,620,451, Dec. 2.
Heated carrying case. D. A. Lagan, Jr. 2,615,112, Oct. 21.
Heated chair. G. F. Butler. 2,583,816, Jan. 29.
Heated drum for warm air furnaces. P. B. Patton. 2,597,026, May 20.
Heated intake component for gas turbine engines. W. Boyd. 2,594,118, Apr. 22.
Heated mixing apparatus. C. A. Olcott. 2,616,669, Nov. 4.
Heated plunger structure for meat filling machines. A. Treff. 2,623,677, Dec. 30.
Heated toilet seat. J. S. Ryland. 2,611,415, Sept. 23.
Heater: *See*—
Air heater.
Automobile-body heater.
Automobile heater.
Battery heater.
Booster water heater.
Convection heater.
Crop drying type air heater.
Electric air heater.
Electric flow heater.
Electric heater.
Electric internal-combustion engine head bolt heater.
Electric liquid heater.
Electric oil well heater.
Electric resistance heater.
Electric room heater.
Electric space heater.
Electric thread heater.
Electric water heater.
Electrically controlled fuel burning automobile heater.
Explosion-proof heater.
Flat tank water heater.
Flexible electric heater.
Flow controlled water heater.
Fluid heater.
Fuel burning air and liquid heater.
Fuel burning air heater.
Fuel-burning panel heater.
Fuel burning space heater.
Gas burning metal tire heater.
Gas-burning wall heater.
Gas heater.
High-frequency dielectric heater.
High temperature fluid heater.
Immersion heater.
Individual vertical-type fuel-burning heater.
Instant liquid heater.
Internal-combustion heater.
Liquid heater.
Magazine heater.
Magazine type solid fuel burner heater.
Oil heater.
Orchard heater.
Panel-type heater.
Pebble heater.
Pipe line heater.
Portable crop heater.
Portable fan-type air heater.
Portable two-directional agricultural heater.
Rail track heater.
Recirculating air heater.
Self-regulating fluid heater.
Space heater.
Steam water heater.
Tankless water heater.
Ultrahigh-frequency heater.
Unit heater.
Vehicle body heater.
Vehicle engine heater.
Vehicular heater.
Water heater.
Water pipe heater.
Heater. R. D. Drew and E. V. Bergstrom. 2,613,924, Oct. 14.
Heater. F. W. Edwards. 2,592,460, Apr. 8.
Heater. G. F. Shaver. 2,615,444, Oct. 28.
Heater. T. H. Sherman. 2,592,608, Apr. 15.
Heater. R. Sigerist. 2,594,507, Apr. 29.
Heater. W. Wheeler and W. C. Wicke. 2,589,521, Mar. 18.
Heater. S. A. Wright and L. E. Beadles. 2,597,215, May 20.
Heater and controlling radiation effects therein, Tubular. K. Permann. 2,603,195, July 15.
Heater and shunt mechanism for overload relays. R. P. Ballou. 2,598,878, June 3.
Heater and thermostat selector shield therefor. W. G. Cartter. 2,600,616, June 17.
Heater and thermostatic control means therefor, Electric. N. Morris. 2,606,271, Aug. 5.
Heater and tray, Radiant. W. La Mirand. 2,613,308, Oct. 7.
Heater and vibrator, Combination. W. August. 2,582,617, Jan. 15.
Heater based on utilization of jet propulsion units. B. Lindenbaum. 2,590,109, Mar. 25.
Heater booster brake. H. J. Findley. 2,588,507, Mar. 11.
Heater combustion control system. F. A. Ryder and D. A. Potter. 2,596,290, May 13.
Heater control. W. J. F. O'Connor and F. A. Rowen, Jr. 2,618,668, Nov. 18
Heater control apparatus. S. J. Budlane. 2,588,350, Mar. 11.
Heater element. G. Calvert. 2,596,837, May 13.
Heater exchanger with scraper, Rotary cylinder. R. S. Edmunds, Jr. 2,589,350, Mar. 18.
Heater, fan and air circulator, Combination space. B. Franklin. 2,606,273, Aug. 5.
Heater for automatic choke carburetors, Air. L. D. Boyce. 2,608,389, Aug. 26.
Heater for electric toasters. H. L. Olson, W. F. Hale and R. A. Miller. 2,598,592, May 27.
Heater for enclosed spaces. C. D. MacCracken. 2,611,599, Sept. 23.
Heater for fluids, Indirect. G. O. Kimmell and H. L. Chenault. 2,582,134, Jan. 8.
Heater for hot gas reciprocating engines, Multitube. A. A. Dros and A. Koopmans. 2,621,474, Dec. 16.
Heater for hydrocarbon fluid. A. H. Schutte. 2,598,840, June 3.
Heater for internal-combustion engines. T. W. Cox. 2,612,885, Oct. 7.
Heater for moving electrolytes. C. R. Alden. 2,584,654, Feb. 5.
Heater for oil well treating apparatus, Fluid. A. C. Russell. 2,591,879, Apr. 8.
Heater for oil wells and pipe lines. D. T. Matthews. 2,608,256, Aug. 26.
Heater for percussion drums. C. A. Astle. 2,617,325, Nov. 11.

Heater for refrigerator cars, Alcohol. L. A. Benedict and W. J. Klauer. 2,582,900, Jan. 15.
Heater for stock watering tanks. C. W. Johnson. 2,617,407, Nov. 11.
Heater for wort kettles. W. Heller. 2,610,036, Sept. 9.
Heater or stove. S. D. Periman. 2,607,334, Aug. 19.
Heater structure, Automobile. M. A. Mieras and A. F. Millington. 2,586,689, Feb. 19.
Heater unit. P. D. Kilbury. 2,606,994, Aug. 12.
Heater with means for draining spilled oil, Oil-burning air. E. B. Barnes. 2,591,039, Apr. 1.
Heater with means for preventing entrainment of fuel oil with the circulating medium, Fuel oil. H. F. and R. W. Yula. 2,610,267, Sept. 9.
Heater with tumbling feature, Suspendible brooder. W. Rusnak and W. G. Stoll. 2,610,285, Sept. 9.
Heater with window-accommodated air duct and flue, Wall-mounted combustion space. M. Resek. 2,582,066, Jan. 8.
Heating and cooling air conditioning system. W. G. Zimmerman. 2,581,744, Jan. 8.
Heating and cooling system for beds. W. R. Tolen. 2,585,517, Feb. 12.
Heating and ventilating apparatus. G. B. Cunningham. 2,616,356, Nov. 4.
Heating and ventilating apparatus, Automobile. J. J. Holody. 2,602,878, July 8.
Heating and ventilating system. L. E. Blue. 2,593,094, Apr. 15.
Heating and work handling apparatus. H. A. Strickland, Jr., and D. W. Riddell. 2,604,577, July 22.
Heating apparatus. G. E. Andrews. 2,595,748, May 6.
Heating apparatus. M. W. Barnes. 2,598,879, June 3.
Heating apparatus. H. A. Becker. 2,622,853, Dec. 23.
Heating apparatus. W. M. Hall. 2,618,735, Nov. 18.
Heating apparatus. E. H. Haugen. 2,616,402, Nov. 4.
Heating apparatus. G. M. Schueder, R. M. Krokus, and M. Nichols, Jr. 2,617,390, Nov. 11.
Heating apparatus. V. D. Thurston. 2,613,312, Oct. 7.
Heating apparatus. C. A. Wilcox. 2,601,011, June 17.
Heating apparatus. A. W. Ziegler. 2,588,315, Mar. 4.
Heating apparatus and radiation relay therefor. S. H. Ledin. 2,598,808, June 3.
Heating apparatus, Combustion tube. E. A. Corns. 2,602,440, July 8.
Heating apparatus, Dielectric. J. M. Cage. 2,610,288, Sept. 9.
Heating apparatus for the coating containing tanks of pipe conditioning machines. O. R. Smith. 2,606,549, Aug. 12.
Heating apparatus, High-frequency. E. C. Witsenburg and H. A. Teunissen. 2,623,176, Dec. 23.
Heating apparatus, Internal-combustion. R. Dusek and S. J. Budlane. 2,588,349, Mar. 11.
Heating apparatus, Vehicular. R. J. White. 2,588,351, Mar. 11.
Heating arrangement for closed automotive bodies. E. E. Hans. 2,611,544, Sept. 23.
Heating boiler with heating surface reduced by improved convection. J. A. Rydberg. 2,619,941, Dec. 2.
Heating clip for permanent hair waving. J. Leclabart. 2,621,664, Dec. 16.
Heating control apparatus. P. G. Frerer. 2,599,101, June 3.
Heating device. G. W. and F. S. Miller. 2,590,442, Mar. 25.
Heating device. E. Reich. 2,602,131, July 1.
Heating device, Electric. S. Stein. 2,584,302, Feb. 5.
Heating device for electric discharge tubes. P. Lemaigre-Voreaux. 2,598,567, May 27.
Heating device for liquids, Electric resistance. R. E. L. Trubert. 2,606,995, Aug. 12.
Heating dielectric materials and apparatus therefor. M. Batiuk and H. G. Shively. 2,599,360, June 3.
Heating element, Multiple coil tubular. C. B. Backer. 2,600,605, June 17.
Heating equipment, Self-gasifying. R. Martiri. 2,611,425, Sept. 23.
Heating fluids, Method and apparatus for. T. M. Shaw. 2,585,970, Feb. 19.
Heating frozen food packages. F. W. Moffett, Jr. 2,600,566, June 17.
Heating materials dielectrically, Method and apparatus for. G. E. Gard. 2,602,133, July 1.
Heating means for internal-combustion engines. G. J. O. Welin-Berger. 2,623,511, Dec. 30.
Heating of coffee beans. R. O. Blench. 2,594,385, Apr. 29.
Heating of fluids. H. A. Becker. 2,613,654, Oct. 14.
Heating oil, Preparing. L. J. Blatz. 2,592,383, Apr. 8.
Heating pad. A. O. Samuels. 2,590,212, Mar. 25.
Heating pad for the feet and lower limbs, Radiant. B. P. McCann. 2,612,585, Sept. 30.
Heating pad in a sleeve form. R. J. Neldnig. 2,617,916, Nov. 11.
Heating plug. J. Langerman. 2,592,042, Apr. 8.
Heating system. J. T. Norman. 2,594,063, Apr. 22.
Heating system. C. T. Piermatteo. 2,622,185, Dec. 16.
Heating system. J. H. Roper. 2,585,591, Feb. 12.
Heating system. R. P. Shade. 2,619,288, Nov. 25.
Heating system. L. J. Smith. 2,596,300, May 13.
Heating system. E. F. Stevens. 2,607,877, Aug. 19.
Heating system, Aircraft. R. L. Linforth and S. D. Hage. 2,592,049, Apr. 8.
Heating system and heating apparatus. W. Behm. 2,602,875, July 8.
Heating system and heating buildings, Radiant. H. S. Kehm. 2,603,140, July 15.
Heating system, Basement. L. L. Scott. 2,595,105, Apr. 29.
Heating system control apparatus. V. D. Wissmiller and R. A. Beveridge. 2,583,524, Jan. 22.
Heating system for buildings. R. Skagerberg. 2,604,268, July 22.
Heating system for drinking fountains, Automatic. E. B. Johnson. 2,593,459, Apr. 22.
Heating system, Hollow door. F. H. Edgerly. 2,593,424, Apr. 22.
Heating system, Hot-water. G. Frenger. 2,592,887, Apr. 15.
Heating system, Hot-water. R. E. Moore. 2,607,535, Aug. 19.
Heating system, Liquid circulating. L. H. Gillick, T. J. Lehane and N. O. Kirkby. 2,604,269, July 22.
Heating unit, Electric. D. B. Cox. 2,585,443, Feb. 12.
Heating unit for cooking devices. L. J. Koci. 2,590,328, Mar. 25.
Heating unit, Fuel burning hot air. E. G. Wilson. 2,594,834, Apr. 29.
Heating unit, Room. R. R. Dupler. 2,622,587, Dec. 23.
Heavy duty gas depolarized dry battery. M. R. Hatfield. 2,615,931, Oct. 28.
Heavy duty lubricant. D. R. Oberlink and W. C. Fredericks. 2,607,733, Aug. 19.
Heavy-duty lubricating grease. A. J. Morway and E. W. Ball. 2,583,436, Jan. 22.
Heavy-duty shipping container. W. C. George. 2,611,526, Sept. 23.
Heavy media separation apparatus and method. E. C. Bitzer. 2,621,791, Dec. 16.
Hectograph blanket. I. Kramsky and N. F. Toussaint. 2,616,812, Nov. 4.
Hectograph master sheet. M. H. Lustbader. 2,582,932, Jan. 15.
Hectographic copying device. D. N. Grundberg. 2,585,311, Feb. 12.
Heddle for weaving devices. P. A. Sperry. 2,596,445, May 13.
Hedge and shrubbery trimmer. J. H. Maylen. 2,594,961, Apr. 29.
Hedge cutter. J. Hodgkinson and H. Roberts. 2,616,238, Nov. 4.
Hedge trimmer. W. McFee. 2,618,059, Nov. 18.
Heel and shank lock for shoes. F. L. Brandt. 2,614,343, Oct. 21.
Heel, Cushion. V. Šlampa. 2,597,393, May 20.
Heel for shoes, Interchangeable. G. Lövy. 2,600,511, June 17.
Heel plate and brace for shoes, Combined. S. S. Hogeboom. 2,618,080, Nov. 18.
Heel, Shoe. W. J. Walsh. 2,600,819, June 17.
Heel, Walking. C. A. Wiltrout. 2,605,761, Aug. 5.
Heel with elastic chambers, Shoe. V. Šlampa, K. Čepelák and F. Vrága. 2,599,871, June 10.
Helical gear pump with nonrigid casing. F. C. Byram and G. H. Zimmer, Jr. 2,612,845, Oct. 7.
Helical linear reactance. R. D. Reed. 2,599,126, June 3.
Helical rotary engine. H. R. Nilsson. 2,622,787, Dec. 23.
Helically preformed elements on stranded line. T. F. Peterson. 2,609,653, Sept. 9.
Helically wound brush and holder therefor. E. Losiewicz and G. Brocklehurst. 2,603,807, July 22.
Helically wound tubes, Manufacture of. E. B. Robinson. 2,623,443, Dec. 30.
Helicopter-airplane. D. C. Prince. 2,622,826, Dec. 23.
Helicopter blade pitch control mechanism. D. T. Dobbins. 2,596,378, May 13.
Helicopter control. M. D. Bulvid and R. P. Alex. 2,599,690, June 10.
Helicopter control. S. J. Burwell. 2,601,090, June 17.
Helicopter control. A. F. Donovan and H. Hirsch. 2,613,751, Oct. 14.
Helicopter control. J. E. McDonald. 2,604,949, July 29.
Helicopter control. I. I. Sikorsky. 2,600,930, June 17.
Helicopter control apparatus. M. F. Bates. 2,606,622, Aug. 12.
Helicopter control system. S. J. Mikina. 2,597,164, May 20.
Helicopter engine-rotor support. A. M. Young and B. Kelley. 2,615,657, Oct. 28.
Helicopter rotor. C. O. Sipe. 2,604,950, July 29.
Helicopter rotor. E. G. Vanderlip and E. Daland. 2,611,344, Sept. 23.
Helicopter rotor blade. R. A. Young. 2,591,757, Apr. 8.
Helicopter rotor construction. J. A. J. Bennett. 2,589,527, Mar. 18.
Helicopter rotor construction. P. M. Lewis. 2,612,962, Oct. 7.
Helicopter rotor control system. J. S. Neale. 2,606,621, Aug. 12.
Helicopter rotor system. M. W. Alde. 2,589,030, Mar. 11.
Helicopter rotor vibration reducing means. A. F. Donovan. 2,611,557, Sept. 23.
Helicopter transmission. A. E. Kilpela. 2,603,106, July 15.
Helicopter with auxiliary rotor. C. G. Pullin and J. S. Shapiro. 2,613,748, Oct. 14.

Helicopter with jet-operated rotor. W. Brzozowski. 2,601,258, June 24.
Helicopter with jet-propelled rotor. P. H. L. Morain. 2,620,882, Dec. 9.
Helix former. H. L. Kitselman. 2,591,943, Apr. 8.
Helix mounting system. P. W. Rohrberg. 2,580,464, Jan. 1.
Helmet. D. Le Grand. 2,610,322, Sept. 16.
Helmet, Crash. C. Tucker and L. A. Lyle, Jr. 2,597,764, May 20.
Helmet, Fireman's. E. Cairns. 2,619,638, Dec. 2.
Helmet for high-speed aircraft, Protective. E. Hendler. 2,619,639, Dec. 2.
Helmet having retractible transparent visor, Fire. R. E. Jamison, Jr. 2,601,149, June 17.
Helmet, Pneumatic. C. A. Cushman. 2,618,780, Nov. 25.
Helmet, Shallow-water diving. J. R. Lindinger. 2,618,262, Nov. 18.
Helmet, Swimming. D. J. and R. L. Douglas. 2,581,007, Jan. 1.
Helmet with face guarding means. J. R. Adams. 2,611,897, Sept. 30.
Hem garment construction, Extensible. B. Caplan. Re. 23,491, May 20.
Hem marker. D. Sewell. 2,584,929, Feb. 5.
Hemmed article and making the same. J. P. Enos. 2,598,638, May 27.
Hemming attachment for sewing machines. J. P. Enos. 2,621,619, Dec. 16.
Hemispherical combustion chamber end dome having cooling air deflecting means. W. L. Blatz. 2,581,999, Jan. 8.
Hemorrhoidal clamp. R. L. Powers. 2,620,800, Dec. 9.
Hen's nest. W. Bartelt. 2,619,934, Dec. 2.
Hen's nest. H. E. Smith. 2,591,021, Apr. 1.
Hen's nest. F. R. Tjaden and R. Oestenstad, Jr. 2,617,384, Nov. 11.
Heparin, Producing. E. M. Taylor and P. J. Moloney. 2,587,924, Mar. 4.
Herbicidal composition. F. J. Sowa. 2,580,474, Jan. 1.
Herbicidal composition. W. D. Stewart and J. H. Standen. 2,615,804, Oct. 28.
Herbicidal composition and method. H. E. Bruner. 2,615,802, Oct. 28.
Herbicidal composition and weed control. R. Blondeau, J. V. Overbeek, and R. R. Whetstone. 2,600,045, June 10.
Herbicidal composition of matter, Making. J. C. R. Warren and F. M. M. J. Hager. 2,614,919, Oct. 21.
Herbicidal compositions containing chlorinated aryl esters of aliphatic monocarboxylic acids. L. L. Baumgartner. 2,594,278, Apr. 29.
Herbicidal compositions containing still bottoms from alcohol synthesis by the "Oxo" process. J. F. McKay, Jr., H. L. Yowell, and L. Z. Jasion. 2,586,681, Feb. 19.
Herbicidal oil solutions of sodium trichloroacetate. H. L. Yowell, J. F. McKay, Jr., and L. Z. Jasion. 2,615,803, Oct. 28.
Herbicide. E. E. Gilbert. 2,581,852, Jan. 8.
Herbicide. L. J. King. 2,619,416, Nov. 25.
Herbicide. A. W. Swezey. 2,622,974, Dec. 23.
Herbicide. J. P. Taylor. 2,589,162, Mar. 11.
Herbicide. P. W. Zimmerman and A. E. Hitchcock. 2,622,975, Dec. 23.
Herbicide and defoliant. L. D. Goodhue and C. E. Tissot. 2,610,116, Sept. 9.
Herbicides. A. H. Schlesinger and D. T. Mowry. 2,617,721, Nov. 11.
Herbicides. A. H. Schlesinger and D. T. Mowry. 2,620,266, Dec. 2.
Hermetic sealing machine with vacuum control means. F. Z. Fouse. 2,610,779, Sept. 16.
Hermetic sealing means between inner and outer casings of refrigerator cabinets. H. W. Whitmore. 2,599,733, June 10.
Hermetically sealed electrical device. Jerome J. and Joseps J. Kurland. 2,623,101, Dec. 23.
Hermetically sealed insulator bushing assembly. R. A. Schoenlaub. 2,591,205, Apr. 1.
Hermetically sealed meal compact. I. Como. 2,597,567, May 20.
Hernia stay. T. Geffas. 2,586,219, Feb. 19.
Hernia support. J. Calabrese. 2,593,262, Apr. 15.
Herring rig. G. L. Morgan. 2,602,257, July 8.
Heterocyclic alkylamines as accelerators for photographic developers. I. V. Runyan. 2,605,183, July 29.
Heterocyclic compounds, Preparation of. L. Schmerling. 2,603,650, July 15.
Heterocyclic compounds, Substituted. J. M. Sprague and A. H. Land. 2,580,476, Jan. 1.
Heterocyclic nitrogen compounds. G. Schwarz and P. F. De Smet. 2,592,195, Apr. 8.
Heterocyclic polynuclear keto alkenoic acids and the production thereof. R. R. Burtner. 2,604,478, July 22.
Heterocyclic quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,383, Jan. 8.
Heterocyclic sulfonamides and preparing the same. J. W. Clapp and R. O. Roblin, Jr. 2,603,649, July 15.
Heterodyne frequency modulator with automatic deviation control. S. W. Moulton. 2,590,784, Mar. 25.
Heterogeneous, acidic hydrolysis of polymeric esters with alkyl phosphoric acid esters. R. C. Blume. 2,583,991, Jan. 29.
Heterogeneous, basic hydrolysis of carboxylic acid esters of polyvinyl alcohol with quaternary ammonium bases. R. C. Blume. 2,581,832, Jan. 8.
Heteropoly acids or salts thereof as catalysts. R. N. Fleck. 2,608,534, Aug. 26.
Hexaalkoxydisilanes, Preparation of. B. A. Orkin. 2,612,511, Sept. 30.
Hexachlorocyclohexane, Production of. J. A. Pianfetti, M. Y. Seaton, and D. Williams. 2,607,723, Aug. 19.
Hexahydrobenzylamine salt of penicillin. D. E. Cooper. 2,598,508, May 27.
Hexahydrophenanthrene carboxylic acid esters and process. K. Miescher, J. Heer, J.-R. Billeter, and G. Anner. 2,621,208, Dec. 9.
Hexahydrophenanthrene carboxylic acids. K. Miescher, J. Heer, J.-R. Billeter, and G. Anner. 2,621,210, Dec. 9.
Hexamethylcyclotrisiloxane, Preparation of. B. A. Bluestein. 2,618,648, Nov. 18.
Hexose ureides and thioureides, Manufacture of. H. W. Meijer. 2,612,497, Sept. 30.
Hickey for canopy switches. J. A. Wasselle. 2,584,767, Feb. 5.
Hide and leather working machine. R. J. Stehling. 2,586,879, Feb. 26.
High and low pressure shut off valve with manual reset. P. L. Born. 2,620,820, Dec. 9.
High-aperture and high-transmission three component objective. L. J. Bertele. 2,600,010, June 17.
High aperture five-component objective. W. Schade. 2,586,866, Feb. 26.
High attenuation coaxial cable. S. J. Rosch. 2,622,152, Dec. 16.
High-back heel structure for seamless hose and method. R. A. Torgersen. 2,608,847, Sept. 2.
High-boiling esters as solvents for polychlorotrifluoroethylene. M. M. Sprung. 2,581,453, Jan. 8.
High boiling mercaptan production. W. A. Proell and W. F. Wolff. 2,615,786, Oct. 28.
High butyryl cellulose esters, Manufacture of. G. A. Richter, E. L. Perkins, and L. E. Herdle. 2,622,080, Dec. 16.
High-capacity oil bath filter. J. K. Brixius and R. G. Hanneman. 2,598,673, June 3.
High chair and ladder, Combined. P. R. Schilling. 2,584,742, Feb. 5.
High concentration alkaline lyes, Production of. A. Basilewsky. 2,588,409, Mar. 11.
High contrast photographic developers. M. Schwarcz. 2,599,518, June 3.
High-density beam control. L. M. Field. 2,591,689, Apr. 8.
High-efficiency ionization chamber. S. A. Scherbatskoy. 2,606,295, Aug. 5.
High fidelity sound reproducing unit with resiliently suspended baffle plate. M. K. Hodge. 2,580,916, Jan. 1.
High-frequency alternating current bridge. R. Calvert. 2,589,535, Mar. 18.
High-frequency amplifier circuit. M. L. Thompson. 2,603,723, July 15.
High-frequency apparatus. W. W. Hansen. 2,603,754, July 15.
High-frequency apparatus. R. R. Law. 2,591,947, Apr. 8.
High-frequency apparatus. W. J. Polydoroff and J. E. Johanson. 2,611,123, Sept. 16.
High-frequency apparatus. P. L. Spencer. 2,593,067, Apr. 15.
High-frequency apparatus. N. R. Wild. 2,599,033, June 3.
High-frequency apparatus for severing vitreous articles. M. Descarsin. 2,615,286, Oct. 28.
High-frequency attenuating device. W. W. Hansen. 2,597,867, May 27.
High-frequency coaxial cable outer conductor. W. K. Weston. 2,606,953, Aug. 12.
High-frequency coil. F. H. Gusdorf, H. Simons, L. Verhoeven, and H. M. Visch. 2,603,774, July 15.
High-frequency control system for traffic signals. J. Müller, J. Patry, W. Baumberger, and A. Klein. 2,622,140, Dec. 16.
High-frequency converter apparatus. W. W. Hansen. 2,602,137, July 1.
High-frequency delay device. H. Kihn. 2,619,537, Nov. 25.
High-frequency dielectric heater. R. B. Nelson. 2,602,134, July 1.
High-frequency dielectric waveguide coupling. H. Iams. 2,617,880, Nov. 11.
High-frequency directional coupler apparatus. W. W. Hansen. 2,580,679, Jan. 1.
High-frequency discharge device. L. U. Hamvas. 2,617,956, Nov. 11.
High-frequency dissipating load. S. B. Cohn and H. C. Early. 2,594,874, Apr. 29.
High-frequency electric discharge device. H. W. Jamieson and J. R. Whinnery. 2,601,025, June 17.
High-frequency electric heating apparatus. M. F. Ashley. 2,623,984, Dec. 30.
High-frequency electrical apparatus. J. F. Frese. 2,580,418, Jan. 1.
High-frequency electrical heating method and apparatus. J. P. Jordan. 2,587,331, Feb. 26.

High-frequency electron discharge device. D. R. Hamilton. 2,581,408, Jan. 8.
High-frequency electron discharge device and circuits therefor. C. W. Hansell. 2,590,612, Mar. 25.
High-frequency electron discharge tube of the traveling wave type. C. W. Hansell. 2,615,141, Oct. 21.
High-frequency electron tube structure. W. W. Hansen. 2,591,690, Apr. 8.
High-frequency energy transfer circuit. C. W. Hansell. 2,588,831, Mar. 11.
High-frequency furnace. K. Posthumus. 2,589,027, Mar. 11.
High-frequency gas discharge device. W. M. Webster, E. O. Johnson, and L. Malter. 2,588,065, Mar. 4.
High-frequency heating. A. G. Seifried and W. L. Jenkins. 2,603,741, July 15.
High-frequency heating tool. I. Becklus and H. Lindström. 2,606,997, Aug. 12.
High-frequency induction-heating apparatus. A. C. Body. 2,582,955, Jan. 22.
High-frequency induction heating apparatus. A. A. Lyness, Jr., and T. P. Kinn. 2,623,983, Dec. 30.
High-frequency induction heating apparatus. H. F. Storm. 2,588,304, Mar. 4.
High-frequency jig. F. P. Smith. 2,586,574, Feb. 19.
High-frequency measuring apparatus. W. W. Hansen and T. Moreno. 2,580,678, Jan. 1.
High-frequency mixer circuit. B. F. Wheeler and H. R. Mathwich. 2,616,037, Oct. 28.
High-frequency modulating system. W. W. Hansen and R. H. Varian. 2,586,816, Feb. 26.
High-frequency modulator apparatus. E. L. Ginzton. 2,581,404, Jan. 8.
High-frequency phase angle responsive circuit. J. Vahle, F. E. Goodness, and P. D. Heath. 2,588,181, Mar. 4.
High-frequency phase measuring system. S. D. Robertson. 2,590,288, May 13.
High-frequency power measurement utilizing a dynamometer having currents proportional to peak voltage swing and average current. J. C. Frommer. 2,606,216, Aug. 5.
High-frequency power measuring device. M. C. Jones. 2,588,390, Mar. 11.
High-frequency power supply system. G. W. Demuth. 2,623,203, Dec. 23.
High-frequency preemphasis for pulse code modulation. P. R. Algrain. 2,621,251, Dec. 9.
High-frequency radiator apparatus and resonator. W. W. Hansen. 2,591,695, Apr. 8.
High-frequency radio apparatus. E. A. Johnson. 2,590,864, Apr. 1.
High-frequency relay. P. M. G. Toulon. 2,581,984, Jan. 8.
High-frequency resonant circuit. A. E. Chelgren. 2,595,764, May 6.
High-frequency short-circuiting arrangement. G. E. Felker, Jr. 2,594,895, Apr. 29.
High-frequency superregenerative apparatus. W. W. Hansen. 2,596,996, May 20.
High-frequency transmission line and wave-guide. E. C. Cork. 2,620,397, Dec. 2.
High-frequency transmission line, Making. H. C. Menes. 2,585,484, Feb. 12.
High-frequency transmission system. W. E. Bradley. Re. 23,598, Dec. 23.
High-frequency tube structure. E. L. Ginzton. 2,608,670, Aug. 26.
High-frequency tuning apparatus particularly adapted to seamers. W. C. Rykert. 2,596,727, May 13.
High-gain directionalized antenna. K. H. Lippitt. 2,598,005, May 27.
High heating value fuel gas, Production of. J. C. Kalbach. 2,623,816, Dec. 30.
High impedance shielded twin conductor cable. E. W. Greenfield and A. E. Widmer. 2,614,172, Oct. 14.
High-intensity airport runway marker light. W. A. Pennow. 2,586,374, Feb. 19.
High-intensity sonic generator. G. C. Seavey and C. B. Horsley. 2,608,391, Aug. 26.
High lift wing channel with movable wing. W. R. Custer. 2,589,994, Mar. 18.
High melting point calcium grease of low soap content. L. F. King and W. C. Pattenden. 2,618,599, Nov. 18.
High molal amine quaternary ammonium derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,386–7, Jan. 8.
High molecular weight carboxylic acids and their derivatives, Production of. O. L. Polly and O. D. Cunningham. 2,606,890, Aug. 12.
High-molecular weight halogenated materials stabilized with a mixture of an epoxy compound and a carboxylic acid salt. D. E. Winkler. 2,590,059, Mar. 18.
High molecular weight resinous and plastic materials having an aromatic structure, Production of. R. B. Thompson and L. Schmerling. 2,591,890, Apr. 8.
High performance amplidyne servomechanism. N. E. Ward, R. W. Mayer, and W. Mersman. 2,605,451, July 29.
High-power high-frequency electron discharge apparatus. R. H. Varian. Re. 23,534, Aug. 5.
High-power vacuum tube. S. M. Duke. 2,615,137, Oct. 21.
High-pressure closure. O. E. Uecker. 2,584,100, Jan. 29.
High-pressure diaphragm pump. G. F. Bowman. 2,593,255, Apr. 15.
High-pressure faucet type valve. J. Roberts. 2,592,953, Apr. 15.
High-pressure filter. W. W. Hallinan. 2,583,423, Jan. 22.
High pressure inflatable packer. J. Lynes. 2,611,437, Sept. 23.
High-pressure mercury vapor lamp. E. B. Noel. 2,611,883, Sept. 23.
High-pressure pump. F. H. Carey. 2,599,609, June 10.
High-pressure reaction of carbon monoxide with hydrazine. H. J. Sampson, Jr. 2,589,289, Mar. 18.
High-pressure sealed structure. R. G. Smith. 2,617,554, Nov. 11.
High-pressure test plug. B. Tuttle. 2,621,679, Dec. 16.
High-pressure valve. B. B. Holmes and J. L. Pauly. 2,590,702, Mar. 25.
High-pressure valve seal. T. R. Smith. 2,621,011, Dec. 9.
High purity dicyclopentadiene. R. T. Businger and H. L. Gerhart. 2,582,920, Jan. 15.
High purity tanning extracts, Production of. T. C. Cordon and L. J. Wickerham. 2,594,291, Apr. 29.
High-quality heating oils, Production of. E. J. Niehaus, Jr., and H. F. Whitney, Jr. 2,608,522, Aug. 26.
High shear blind fastener. K. I. Stubbs. 2,609,723, Sept. 9.
High solids content, low viscosity butadiene-styrene copolymer latex for emulsion paint base. J. L. Betts, Jr., E. A. McCracken, H. J. Rose, and R. E. Wood. 2,605,242, July 29.
High-speed bearing and turbine. J. T. Serduke and R. O. Webster. 2,602,632, July 8.
High-speed braker arrangement for protection of valve converter circuits. B. D. Bedford. 2,587,276, Feb. 26.
High-speed brightness switching for static type constant current regulators. A. J. Hauck. 2,602,150, July 1.
High-speed contactor. A. L. Holcomb and M. A. Leavitt. 2,609,461, Sept. 2.
High-speed electric switching apparatus. P. Duffing and F. Gieffers. 2,618,718, Nov. 18.
High-speed machining of ferrous materials. T. S. See. 2,581,449, Jan. 8.
High-speed magnetic fluid clutch. J. Rabinow. 2,622,713, Dec. 23.
High-speed photographic silver halide emulsions supersensitized with palladium salts. R. E. Stauffer and W. F. Smith. 2,598,079, May 27.
High-speed propeller train ship attachment. H. H. Hoke, Jr. 2,619,929, Dec. 2.
High-speed reclosing circuit breaker. R. O. Bonine and S. H. Boden. 2,619,523, Nov. 25.
High-speed rotor. O. C. Brewster. 2,603,539, July 15.
High-speed slewing. D. O. McCoy. 2,611,893, Sept. 23.
High-speed sensitive relay. E. O. Roggenstein. 2,585,684, Feb. 12.
High-speed spindle. R. Annen. 2,588,459, Mar. 11.
High-speed telegraphic system. G. Valensi. 2,620,394, Dec. 2.
High stability radio wave frequency converter. E. F. McClain, Jr. 2,605,400, July 29.
High-temperature box annealing process for ferrous vitreous enameling sheet stock. J. C. Eckel. 2,603,577, July 15.
High-temperature electric insulating construction. D. A. Gustafson. 2,620,426, Dec. 2.
High-temperature electric resistance oven. S. Klein. 2,585,791, Feb. 12.
High temperature fluid heater. W. H. Armacost and D. M. Schoenfeld. 2,614,541, Oct. 21.
High-temperature grease. R. A. Butcosk. 2,585,321, Feb. 12.
High-temperature grease. A. J. Morway. 2,583,435, Jan. 22.
High-temperature heat insulating material, Production of. H. Abraham. 2,602,754, July 8.
High temperature high strength alloys. P. Payson. 2,587,613, Mar. 4.
High-temperature lubricating grease. A. J. Morway and P. V. Smith, Jr. 2,618,598, Nov. 18.
High-temperature quick action thermocouple. A. J. Battey. 2,581,229, Jan. 1.
High-temperature solid material-fluid contact apparatus and method of operation. L. C. Bearer and G. Hill. 2,621,105, Dec. 9.
High-temperature steel. P. A. Jennings. 2,602,738, July 8.
High tenacity artificial yarn and cord, Producing. H. D. Merion and H. J. McDermott. 2,611,928, Sept. 30.
High-vacuum multistage distillation method and apparatus. D. B. Luten, Jr. 2,606,146, Aug. 5.
High-vacuum pump. R. B. Lawrance and J. L. Middleton, Jr. 2,585,139, Feb. 12.
High-vacuum seal. W. M. Hickam. 2,624,008, Dec. 30.
High viscosity hyaluronic acid, Production of. Z. Hadidian and N. W. Pirie. 2,583,096, Jan. 22.
High viscosity hyaluronic acid, Production of. Z. Hadidian and N. W. Pirie. 2,585,546, Feb. 12.
High viscosity low freezing organo-siloxane fluids. M. J. Hunter and H. J. Fletcher. 2,614,989, Oct. 21.
High-visibility traffic signal. J. C. Thiem, Sr. 2,616,957, Nov. 4.
High-voltage breaker and recloser. B. C. Rogers. 2,614,191, Oct. 14.

High-voltage choked filament feed. W. H. Bostick. 2,599,890, June 10.
High voltage circuit breaker. E. Goessel. 2,611,838, Sept. 23.
High voltage measuring apparatus. L. Mackta. 2,615,934, Oct. 28.
High-voltage multiple core transformer. Q. A. Kerns. 2,600,057, June 10.
High-voltage power supply. A. W. Friend. 2,586,018, Feb. 19.
High voltage protective gap device. R. E. Marbury. 2,597,012, May 20.
High-voltage regulator. W. H. Nelson. 2,613,344, Oct. 7.
High-voltage rectifier disk. M. O. Juvrud. 2,585,014, Feb. 12.
High-voltage regulator. J. Friedlgkelt. 2,585,679, Feb. 12.
High-voltage supply. M. B. Knight. 2,601,153, June 17.
High-voltage supply. M. D. Nelson. 2,588,652, Mar. 11.
High-voltage supply. W. A. Pond. 2,588,659, Mar. 11.
High-voltage supply. D. E. Thompson. 2,588,777, Mar. 11.
High-voltage switch. L. C. Hart. 2,601,138, June 17.
High water signal. B. E. Bonar. 2,607,835, Aug. 19.
Higher alcohols from aldehydes. E. Field and B. L. Hill. 2,587 576, Mar. 4.
Higher alkyl esters of inorganic acids, Production of. E. A. M. F. Dahmen. 2,623,894, Dec. 30.
Higher molecular weight fluorine-containing compounds. C. F. Feasley. 2,612,529, Sept. 30.
Highly active magnesia from magnesium hydroxide, Producing. A. C. Zettlemoyer, W. C. Walker and W. J. Riley. 2,606,816, Aug. 12.
Highly corrected four component photographic objective. H. Lowenthal. 2,601,805, July 1.
Highly polymeric linear polymethylene terephthalates in solution and precipitation thereof, Manufacture of. E. F. Izard and L. A. Auspos. 2,597,643, May 20.
Highly selective receiver circuit. K. Nowak. 2,619,588, Nov. 25.
Highly sweptback wing for flying machines. P. H. Satre. 2,603,437, July 15.
Highway painted line marker. F. E. Ballew. 2,610,422, Sept. 16.
Highway sign. W. J. Taylor, J. H. Worsham and J. L. Davis. 2,611,203, Sept. 23.
Hilling attachment for rotary tilling machines. J. D. and K. D. Roth. 2,610,561, Sept. 16.
Hinge. N. L. Lieberman. 2,596,816, May 13.
Hinge. J. W. Patton and R. G. Cudini. 2,597,174, May 20.
Hinge. H. Quigley. 2,585,836, Feb. 12.
Hinge. B. Shwayder. 2,581,151, Jan. 1.
Hinge. W. A. Snell. 2,614,285, Oct. 21.
Hinge. T. K. Stehle. 2,622,266, Dec. 23.
Hinge. E. Swedman. 2,584,372, Feb. 5.
Hinge. D. H. Walsh. 2,591,984, Apr. 8.
Hinge, Adjustable. G. W. Houlsby, Jr. 2,581,104, Jan. 1.
Hinge, Adjustable. H. E. Kirschner. 2,583,950, Jan. 29.
Hinge, Adjustable. S. J. Kreiner. 2,615,194, Oct. 28.
Hinge and latch for playpens, Combination. W. A. Hildreth. 2,597,639, May 20.
Hinge and latch mechanism for motor car hoods. C. E. McCormick. 2,620,889, Dec. 9.
Hinge, Antifriction. W. T. Rossell. 2,603,823, July 22.
Hinge arrangement, Closure. P. Johnson. 2,604,674, July 29.
Hinge assembly for swinging doors. T. F. Anderson and K. W. Benham. 2,604,653–4, July 29.
Hinge construction. L. L. Anderson. 2,602,957, July 15.
Hinge construction. J. R. Schuyler. 2,621,359, Dec. 16.
Hinge construction for parking meter doors, Disconnectible. T. J. Morgan and C. M. Moore. 2,588,271, Mar. 4.
Hinge construction, Separable. A. L. Rubinoff. 2,618,809, Nov. 25.
Hinge, Door. R. E. Slopa. 2,586,573, Feb. 19.
Hinge for doors and swingable closures. F. J. Kornmayer. 2,596,416, May 13.
Hinge for molded boxes or other molded articles. P. A. Derham. 2,601,101. June 17.
Hinge for overhead doors, Multiple pintle. W. J. Bobisch. 2,603,826, July 22.
Hinge for steam table covers. D. B. and I. Shaffer. 2,606,339, Aug. 12.
Hinge, Friction-catch. S. Soss. 2,608,713, Sept. 2.
Hinge latch. R. K. Nottingham. 2,587,200, Feb. 26.
Hinge mechanism. M. C. Jenkins. 2,599,834, June 10.
Hinge mechanism for swinging barriers. J. F. Monger. 2,584,904, Feb. 5.
Hinge mounting structure, Insertable. V. J. Catalano. 2,599,231, June 3.
Hinge, Sofa bed. P. P. Bebry and F. J. Jetter. 2,601,683, July 1.
Hinge structure. J. O. Howard. 2,608,714, Sept. 2.
Hinge system for refrigerated cabinets. P. D. Van Vliet. 2,607,411, Aug. 19.
Hinge, Three-piece. F. S. Evans. 2,603,822, July 22.
Hinge with mutually displaceable members for adjustment thereof. G. A. Weidelstam. 2,611,921, Sept. 30.
Hinge with removable sleeve. F. S. Evans. 2,603,824, July 22.
Hinged box. E. M. Morin. 2,605,925, Aug. 5.
Hinged box. H. J. Witzgall. 2,583,350, Jan. 22.
Hinged-clamp for applying antiskid chains. I. Shapiro. 2,613,563, Oct. 14.
Hinged closure control. A. J. Swanson. 2,591,476, Apr. 1.
Hinged cover for bulkheads. G. W., Jr., and R. J. Lyons. 2,605,494, Aug. 5.
Hinged door and motor support for window coolers. E. Shapiro. 2,594,688, Apr. 29.
Hinged fins for providing directional control and stability in tailless airplanes. J. G. Lee. 2,595,363, May 6.
Hinged fixture supporting bracket. P. F. Simpson. 2,587,912, Mar. 4.
Hinged paddle and tethered projectile. H. Singer. 2,616,698, Nov. 4.
Hinged section power steered vehicle. N. C. Storey. 2,594,695, Apr. 29.
Hinged sectional ironing board. A. P. Lantz. 2,617,214, Nov. 11.
Hinged structure. W. C. Moeller. 2,594,335, Apr. 29.
Hinges, Making. B. M. Guthrie. 2,618,838, Nov. 25.
Hitch. J. C. Bender. 2,600,959, June 17.
Hitch. C. M. Harris. 2,580,770, Jan. 1.
Hitch. C. M. Harris. 2,597,096, May 20.
Hitch. J. J. Ravers, Jr. 2,595,100, Apr. 29.
Hitch and trailer guard, Combined. J. F. McCall. 2,601,993, July 1.
Hitch for direct connected implements, Adjustable. E. J. Rimple. 2,587,763, Mar. 4.
Hitch for ganging a plurality of implements in squadron arrangement. F. A. D'Artenay. 2,590,158, Mar. 25.
Hitch for implements and vehicles. W. J. Coultas, N. D. Colvin, and W. B. Palmer. 2,610,560, Sept. 16.
Hitch for tractor drawn implements. R. B. Temple and E. M. Spohn. 2,619,019, Nov. 25.
Hitch for tractor-drawn plows. J. F. Brown. 2,585,085, Feb. 12.
Hitch for two-way plows or the like, Adjustable. O. W. Oerman. 2,620,718, Dec. 9.
Hitch including manually operated sliding latch mechanism. S. L. Miller. 2,611,461, Sept. 23.
Hitch, Tractor-implement. R. W. Hagedorn. 2,600,642, June 17.
Hive tool. W. H. Howard. 2,593,304, Apr. 15.
Hobbing attachment for lathes. A. A. Sorenson. 2,617,332, Nov. 11.
Hobbing grinder and wheel dresser. J. J. Osplack. 2,587,202, Feb. 26.
Hobbyhorse. A. C. Creasey. 2,604,330, July 22.
Hoe attachment for tractors. O. C. Lytle. 2,604,833, July 29.
Hoe, Grape. W. D. Flory. 2,601,380, June 24.
Hoe, Laterally adjustable oscillating. O. C. Lytle. 2,580,936, Jan. 1.
Hoe, Rotary. W. E. Latta. 2,604,026, July 22.
Hoe, Rotary. P. H. Thomas. 2,603,136, July 15.
Hoe, Rotary hand. R. L. Phipps. 2,593,341, Apr. 15.
Hog cholera vaccine and preparing the same. E. F. Sanders and E. L. Mundell. 2,618,585, Nov. 18.
Hog farrowing crate, house, and feeder, Combined. G. W. Johnson. 2,602,419, July 8.
Hog holder. H. H. Reents. 2,587,383, Feb. 26.
Hog ring clinching device. A. C. Lind and B. M. Zuhn. 2,605,467, Aug. 5.
Hog waterer. C. H. Nelson. 2,590,266, Mar. 25.
Hoist. L. McGihon. 2,614,802, Oct. 21.
Hoist. P. E. Miller. 2,586,369, Feb. 19.
Hoist. H. F. Minnis. 2,601,970, July 1.
Hoist. E. O'Sullivan. 2,621,820, Dec. 16.
Hoist. H. F. H. Shields. 2,601,228, June 24.
Hoist and jack, Combined. T. L. Grady. 2,604,303, July 22.
Hoist attachment for jacks. J. Schmieder. 2,585,856, Feb. 12.
Hoist control. R. L. Jaeschke. 2,609,181, Sept. 2.
Hoist controller. W. H. Elliot. 2,583,731. Jan. 29.
Hoist drum control. J. Moon. 2,620,909, Dec. 9.
Hoist, Electric. J. P. Lannen. 2,600,887, June 17.
Hoist for conveying loads to moving platforms. C. F. Brereton. 2,587,690, Mar. 4.
Hoist for motor vehicles. A. G. Campling. 2,622,746, Dec. 23.
Hoist for transporting invalids. R. K. Lewis. 2,598,570, May 27.
Hoist for truck bodies, Hydraulic. T. L. and H. [illegible] Workman. 2,617,684, Nov. 11.
Hoist for vehicle dump bodies. F. Hels. 2,622,9[illegible] Dec. 23.
Hoist, Hydraulic. E. J. Adams. 2,615,584, Oct. 28.
Hoist jack. F. W. Coffing. 2,581,577, Jan. 8.
Hoist, Portable. P. A. Ketchned. 2,603,372 July 15.
Hoist supporting frame. F. W. Coffing. 2,616,651, Nov. 4.
Hoist swivel. H. B. Madder. 2,594,950, Apr. 29.
Hoisting and dumping apparatus for oyster dredges or the like. T. G. Bennett. 2,605,917, Aug. 5.
Hoisting apparatus. L. L. Eakin. 2,581,087, Jan. 1.
Hoisting apparatus. L. L. Eakin. 2,582,111, Jan. 8.
Hoisting apparatus. W. Guier and R. E. Carter. 2,590,172, Mar. 25.
Hoisting apparatus. D. A. Wallace. 2,598,200, May 27.
Hoisting apparatus. D. A. Wallace. 2,598,625, May 27.
Hoisting apparatus. D. A. Wallace. 2,613,914, Oct. 14.
Hoisting apparatus, Automotive vehicle. B. S. Aikman. 2,594,531, Apr. 29.

Hoisting apparatus, Detachable. F. E. Kaunitz, Jr. 2,593,764, Apr. 22.
Hoisting device. A. L. Stone. 2,613,915, Oct. 14.
Hoisting drum. J. P. Harkrader. 2,584,099, Jan. 29.
Hoisting equipment. W. H. Thompson. 2,588,178, Mar. 4.
Hoisting mechanism. M. A. English and R. O. Borst. 2,610,743, Sept. 16.
Hoisting plug for drills. L. Libin and J. E. Spalding. 2,622,916, Dec. 23.
Hold-down for bows of collapsible tops. G. R. Urquhart. 2,602,692, July 8.
Hold-down slip assembly. A. L. Stone. 2,589,159, Mar. 11.
Holder: *See*—
Adjustable broach holder.
Adjustable flag holder.
Adjustable indicator holder.
Adjustable tie holder.
Air-brush holder.
Angle computer and work holder.
Arc welding electrode holder.
Article holder.
Automatic door holder.
Automobile license plate holder.
Bait holder.
Bath sponge holder.
Battery holder.
Bedclothes holder.
Binder or loose sheet holder.
Blade holder.
Blanket holder.
Blouse holder.
Bobbin holder.
Body supported flashlight holder.
Boring bar holder.
Brush holder.
Cabinet record holder.
Camera holder.
Carbon filament holder.
Card deck holder.
Card holder.
Casing stick holder.
Chart holder.
Chicken holder.
Christmas tree holder.
Cigar and cigarette holder.
Cigar holder.
Cigarette holder.
Cleaning mop holder.
Clothes hanger holder.
Clothespin holder.
Coaster type holder.
Collapsible copy holder.
Cooking spoon holder.
Condiment holder.
Conveyer skirt and apron holder.
Corsage holder.
Cotton roll holder.
Cravat holder.
Crystal holder.
Cue holder.
Cutoff tool holder.
Cutting implement holder.
Cylinder type rubber oarlock holder.
Dental floss holder.
Dental instrument holder.
Derby and mute rack holder.
Desk pad holder.
Diaper holder.
Door holder.
Double-deck holder.
Dry seal gas holder.
Electric iron holder.
Electrode holder.
Expansible holder.
Eyeglass holder.
Festoon holder.
Film holder.
Filter paper holder.
Finger ring holder.
Fishline leader holder.
Fishing line holder.
Fishing pole holder.
Fishing rod holder.
Fishhook holder.
Flap holder.
Flint holder.
Fly holder.
Frog holder.
Garment holder.
Gauge holder.
Glove holder.
Golf club holder.
Golf-tee holder.
Hairpin holder.
Hat holder.
Hog holder.
Hose end holder.
Hypodermic needle holder.
Illuminated automobile license plate holder.
Illuminated key holder.
Illuminated license plate holder.
Initial or insignia holder.
Instrument holder.
Iron holder.
Jaw holder.
Key holder.
Kitchen utensil holder.
Knitting machine jack holder.
Lathe tool holder.
License plate holder.
License tag holder.
Lift front lens holder.
Line holder.
Lipstick holder.
Magnetic necktie holder.
Magnetic work holder.
Map holder.
Mason's trig line holder.
Mattress holder.
Milk bottle holder.
Milk can holder.
Nail holder.
Nasal tube holder.
Necktie holder.
Note pad and note sheet holder.
Nursing bottle holder.
Nut holder.
Paintbrush holder.
Paper holder.
Paper roll holder.
Pie holder.
Pipe holder.
Plastic milk carton holder.
Pocket attached holder.
Price tag or ticket holder.
Quick disconnect key holder.
Razor blade holder.
Receipt holder.
Reed holder.
Releasing tap and die holder.
Rod and reel holder.
Rod holder.
Roll toilet paper holder.
Sack holder.
Safety pin holder.
Safety tag holder.
Sandpaper holder.
Sanitary toothbrush holder.
Sash cord holder.
Saw holder.
Scissors type cigarette holder.
Sheathed razor blade holder.
Sheet pack holder.
Shelf toothbrush holder.
Shoulder protector and garment strap holder.
Skein holder.
Slide holder.
Sliding window sash holder.
Soap cake holder,
Soap holder.
Spice can holder.
Sponge counter holder.
Spool holder.
Spoon holder.
Spring coin holder.
Spring holder.
Sprinkler hose holder.
Stamping die holder.
Steel wool holder.
Step and repeat film holder.
Strip holder.
Surgeon's prethreaded needle holder.
Suture holder.
Suture package holder.
Swab holder.
Tackle holder.
Tank clamp support holder.
Tap holder.
Tape spool holder.
Tea bag holder.
Telephone base accessory holder.
Telephone card holder.
Telephone holder.
Telephone receiver holder.
Thermometer holder.
Thread holder.
Tie holder.
Tilt bar tape holder.
Time indicating key holder.
Tire chain holder.
Tobacco pouch holder.
Toilet paper holder.
Tone arm holder.
Toothbrush and antiseptic holder.
Toothbrush and article holder.
Toothbrush holder.
Tool holder.
Towel or cloth holder.
Tree holder.
Turret type slim line lamp holder.
Twine holder.
Unitary work holder.
Wallpaper holder.
Water-cooled arc lamp carbon holder.
Welding rod holder.
Whaler holder.
Wind instrument mute holder.
Wire insulator holder.
Work holder.
Xerographic plate holder.
X-ray film exposure holder
X-ray film holder.
Yarn or thread holder.
Zone ticket holder.
Holder and bracket, License plate. J. D. Knipple. 2,603,015, July 15.
Holder and carrier for containers. F. A. Hoffman. 2,613,860, Oct. 14.
Holder and cutter, Portable large roll paper. S. J. Bina. 2,596,095, May 13.
Holder and dispenser, Combination condiment and toothpick. O. F. Couchot. 2,580,521, Jan. 1.
Holder and dispenser for coiled goods. H. W. King. 2,586,346 Feb. 19.
Holder and form duplicator for flame cutting hand torches. E. F. Krohn. 2,622,328, Dec. 23.
Holder and kit, Nursing bottle. F. L. Turner. 2,592,212, Apr. 8.
Holder and locking means therefor, Key loop. M. V. Duell. 2,583,360, Jan. 22.
Holder and opener, Bobby pin. W. E. Roberts. 2,582,457, Jan. 15.
Holder and post therefore, Sign. F. Hesse. 2,581,762, Jan. 8.
Holder construction for refillable writing or erasing instruments. C. Kostka. 2,619,937, Dec. 2.
Holder device for end-capped electrical discharge tubes provided with starter switches. E. G. Holm. 2,592,142, Apr. 8.
Holder for a pad and a pencil, Combined. W. C. Watts 2,604,724, July 29.
Holder for ash trays and the like, Adjustable. A. Robins. 2,584,050, Jan. 29.
Holder for baby nursing units, Sanitary. J. H. Scharf. 2,618,499, Nov. 18.
Holder for band-saw guides. R. L. Crane. 2,601,095, June 17.
Holder for books. C. H. Lipa. 2,595,682, May 6.
Holder for bottles or the like, Detachable. T. K. Irwin. 2,597,642, May 20.
Holder for bottles or the like, Dispensing. E. F. Bushman 2,610,081, Sept. 9.
Holder for broom handles, Releasable. L. R. Miller. 2,598,065, May 27.
Holder for carbons used in projecting machines. J. E. Marr. 2,598,006, May 27.
Holder for catamenial bandage or the like. M. O. Pettit. 2,616,427, Nov. 4.
Holder for circular tools. D. H. Montgomery. 2,617,177, Nov. 11.
Holder for collapsible tooth paste tube and the like. W. D. Winslow. 2,619,310, Nov. 25.
Holder for cooking wieners by conduction of electricity, Adjustable. M. Savio. 2,621,587, Dec. 16.
Holder for cut film. C. D. Sullivan. 2,617,699, Nov. 11.
Holder for diamond dressing tools. F. E. Koebel and O. E. Olivieri. 2,587,172, Feb. 26.
Holder for dispensing cartons and the like. J. P. Haskell. 2,620,153, Dec. 2.
Holder for dispensing paper bags. O. J. Aubertin. 2,586,197, Feb. 19.
Holder for drinking glasses. C. G. Fowler. 2,593,868, Apr. 22.
Holder for feeding and watering containers. L. A. H. Ruch. 2,586,565, Feb. 19.
Holder for flower baskets or containers, Portable. A. B. Levitt. 2,594,187, Apr. 22.
Holder for fuses and the like. P. H. Griffith. 2,595,939. May 6.
Holder for generator pulleys. E. F. Conrad. 2,622,463, Dec. 23.
Holder for gramophone records, files, cards, and the like. G. Gallia. 2,619,966, Dec. 2.
Holder for grinding metallurgical samples. F. E. Richardson. 2,618,108, Nov. 18.
Holder for hypodermic needle. G. W. Jacoby, Jr. 2,613,485, Oct. 14.
Holder for implements. H. E. Gossett. 2,591,805, Apr. 8.

Holder for keys. A. Zaccardo. 2,617,463, Nov. 11.
Holder for lady's make-up articles. S. S. Andary. 2,609,578, Sept. 9.
Holder for landing nets, Collapsible. D. S. Wells. 2,615,272, Oct. 28.
Holder for liquid containers with means for puncturing said containers, Dispensing. E. L. Thomas. 2,582,660, Jan. 15.
Holder for magazine type razors. G. D. Jones and L. C. Miller. 2,587,625, Mar. 4.
Holder for mops and other devices. I. Hertzberg. 2,602,949, July 15.
Holder for neckties, Slide. D. B. Hickman. 2,594,169, Apr. 22.
Holder for newspapers and the like, Adjustable. S. T. Zurawski. 2,616,618, Nov. 4.
Holder for paper cups. H. Carew. 2,610,491–2, Sept. 16.
Holder for pencils, Magnetic. A. A. Markowitz. 2,594,955, Apr. 29.
Holder for press type cameras, Roll film. L. G. Tatro. 2,609,739, Sept. 9.
Holder for purses, Detachable card. E. C. Henderson. 2,607,385, Aug. 19.
Holder for radio on vehicle handle bars. D. Tringali. 2,588,671, Mar. 11.
Holder for roll toilet tissue. F. J. Moore. 2,614,762, Oct. 21.
Holder for rolls of tape with inserts. F. McCormick. 2,591,576, Apr. 1.
Holder for safety razor blades, Booklike. S. W. Wathon. 2,598,324, May 27.
Holder for set screw wrenches and the like. G. J. Steine. 2,604,211, July 22.
Holder for shanks having protuberances. B. K. Murchison. 2,616,647, Nov. 4.
Holder for sticks. G. P. Peterson and E. Noyack. 2,592,064, Apr. 8.
Holder for sticks. G. P. Peterson and E. Noyack. 2,592,183, Apr. 8.
Holder for telephone handsets. E. A. McCorkell. 2,598,928, June 3.
Holder for textile machines, Thread guide. W. Hoffmann. 2,582,778, Jan. 15.
Holder for towels and the like. G. C. Leimer. 2,597,112, May 20.
Holder for waste receptacles, Tiltable. H. J. M. Lambert, G. P. Mongin. 2,606,804, Aug. 12.
Holder for yarn and the like. K. G. Cloud. 2,620,144, Dec. 2.
Holder, Paper, especially adapted for toilet papers. A. F. Carlin. 2,583,411, Jan. 22.
Holding and extruding paste and liquid materials. W. S. Harris. 2,591,354, Apr. 1.
Holding and guide means for mortising drills. F. J. Kornmayer. 2,597,152, May 20.
Holding and packaging means for pharmaceutical phials and the like. J. Boss. 2,598,492, May 27.
Holding apparatus for testing cable. O. G. Nelson. 2,584,282, Feb. 5.
Holding for invoice books. F. C. Hodkin. 2,590,618, Mar. 25.
Holding means for loom bushings. W. W. Usry. 2,612,911, Oct. 7.
Holding means for operating lever arms of door fasteners. S. B. Haseltine. 2,595,357, May 6.
Holding means for preparing artificial silk cakes foldable reel. A. Bruegger. 2,600,840, June 17.
Holding nut with offset threaded end portions. E. J. Cole. 2,586,786, Feb. 26.
Hole boring machine. G. H. Connors. 2,614,806, Oct. 21.
Hole cutter for use with fragile bodies. L. L. Dritz. 2,598,042, May 27.
Hole digging attachment for tractors. H. F. Jackson. 2,581,535, Jan. 8.
Hole locating device. J. W. Hill. 2,591,814, Apr. 8
Hole spacing and centering device. H. Timpner. 2,612,793, Oct. 7.
Hollow ceramic bodies, Producing. R. Maculan. 2,599,268, June 3.
Hollow circular article and making same. F. H. Smith. 2,594,693, Apr. 29.
Hollow device cleaning apparatus employing air impulse-generated surges of flowing liquids. H. B. Fechter. 2,604,895, July 29.
Hollow drill. C. V. Pevey and M. F. Smith. 2,606,615, Aug. 12.
Hollow fluorescent character and mounting. J. Vigon. 2,588,183, Mar. 4.
Hollow magnetite bead catalyst, Manufacture of. R. N. Watts and W. E. Spicer. 2,583,452, Jan. 22.
Hollow paint containing and applying roller. C. H. Bugg. 2,605,488, Aug. 5.
Hollow panels, Manufacture of. M. Pasquier. 2,610,938, Sept. 16.
Hollow shapes, making. M. S. Roush and C. C. Clark. 2,609,576, Sept. 9.
Hollow structural element for vehicles and more especially for aircraft. E. Benoit. 2,604,280, July 22.
Hollow threaded rivet. R. F. Taylor. 2,612,073, Sept. 30.
Hollow wall carton formed of two blanks. W. P. Frankenstein. 2,605,894, Aug. 5.
Hollow-walled box. M. I. Williamson. 2,605,953–4, Aug. 5.
Holster. L. J. Brice. 2,601,586, June 24.
Holster, Pistol. B. A. Spann. 2,609,979, Sept. 9.
Home bar. D. C. Rockola. 2,585,590, Feb. 12.
Home hospital unit for poliomyelitis victim and invalids. L. H. Lynch. 2,591,082, Apr. 1.
Homogeneous polymerization of vinylidene compounds using a hydroperoxide catalyst and a basic nitrogen compound. E. J. Vandenberg. 2,610,965, Sept. 16.
Homogeneous polymerization of vinylidene compounds with an α,α-dialkylarylmethyl hydroperoxide and a heavy metal compound as catalyst. C. W. Gould. 2,612,490, Sept. 30.
Homogeneous sulfuric acid gel. H. H. Roth. 2,596,046, May 6.
Homogenizing apparatus. E. H. Reeb. 2,586,258, Feb. 19.
Homogenising device. A. G. Borck. 2,612,356, Sept. 30.
Homogenizing liquids. F. H. Daniell. 2,621,905, Dec. 16.
Homokinetic joint. G. L. A. Devos. 2,614,404, Oct. 21.
Hone. J. J. Palotsee. 2,599,009, June 3.
Hone driving machine. J. F., and J. F. Smole. 2,616,225, Nov. 4.
Honing and lapping machine, Combined. T. M. Moulden. 2,622,372, Dec. 23.
Honing device. G. F. Wagstaff. 2,603,920, July 22.
Honing tool. D. T. Peden and J. E. Kline. 2,581,601, Jan. 8.
Honing tool. J. F. Smole. 2,596,961, May 13.
Honey bottling tank. H. L. Eckdahl. 2,602,546, July 8.
Honeycomb. J. Yanik. 2,591,328, Apr. 1.
Honeycomb core doors, Making. M. G. Faussner. 2,622,999, Dec. 23.
Honeycomb core material, Making. H. C. Engel, W. W. Troxell and T. P. Pajak. 2,609,315, Sept. 2.
Honeycomb structure and making same. H. R. Merriman. 2,608,502, Aug. 26.
Hood for conveyers. G. H. Frank. 2,585,105, Feb. 12.
Hood for divers' suits. A. Belloni. 2,587,958, Mar. 4.
Hood for tanks and the like. A. H. Fine. 2,611,509, Sept. 23.
Hood forming machine. E. M. Wheeler. 2,614,515, Oct. 21.
Hood gathering means. J. De Grazia. 2,581,366, Jan. 8.
Hood hinge spring remover. W. E. Brenneman. 2,589,042, Mar. 11.
Hood ornament construction. R. L. Logue. 2,611,687, Sept. 23.
Hook: *See*—
Baling hook.
Ceiling suspension clasp hook.
Choker hook.
Crochet hook.
Drag hook.
Drapery hook.
Drawer hook.
Finger hook.
Fishing hook.
Folding gaff hook.
Gaff hook.
Lineman's climbing hook.
Pintle hook.
Pull actuated trap hook.
Releasable fishing hook.
Releasing type hook.
Resilient snap hook.
Roller type arresting hook.
Safety hook.
Snap hook.
Spring actuated slide snap hook.
Stock dipping hook.
Truck safety hook.
Window screen hook.
Hook. G. T. Brummel. 2,583,320, Jan. 22.
Hook. B. S. Minor. 2,613,981, Oct. 14.
Hook device, Drop. F. W. Coffing. 2,608,432, Aug. 26.
Hook for curtains. H. Sherman. 2,592,478, Apr. 8.
Hook for wrist watch bands, Snap. J. L. Hajos and G. Vollet. 2,582,828, Jan. 15.
Hook having releasable safety locking means. A. F. Amelung. 2,603,524, July 15.
Hook latch operating mechanism. C. M. Roberson. 2,613,101, Oct. 7.
Hook of hook and eye. A. Dovica. 2,603,848, July 22.
Hook setter for fishing tackle. C. F. Meller. 2,615,273, Oct. 28.
Hook structure, Collapsible. K. O. Matz. 2,602,689, July 8.
Hookup for tractor plows. J. L. Beamer. 2,619,885, Dec. 2.
Hooping railway sleepers. A. P. and M. J. M. Streit. 2,592,077, Apr. 8.
Hop picking mechanism. E. Thys. 2,599,080, June 3.
Hop stem remover. E. Thys. 2,620,064, Dec. 2.
Hopper and delivery conveyer, Combined. G. O. Hoffstetter. 2,620,916, Dec. 9.
Hopper bottom load discharging car. A. E. Zimmer. 2,588,316, Mar. 4.
Hopper car frame structure, Manufacture. G. B. Dorey. 2,591,924, Apr. 8.
Hopper construction and means for accurately filling measuring chambers of food packing machines. E. H. Carruthers. 2,602,579, July 8.
Hopper discharge control. E. O. Martinson. 2,603,342, July 15.
Hopper door regulator. E. J. Corrigan and R. L. Wilson. 2,623,476, Dec. 30.
Hopper door unit and material spreader assembly for airplanes. W. H. Anderson. 2,614,733, Oct. 21.
Hopper for selectively dispensing tube bases. W. T. Engel. 2,609,912, Sept. 9.
Hopper with bottom discharge opening and means for metering the passage of granular material through said opening into a delivery conduit. I. M. Ridley. 2,594,072, Apr. 22.

Horizontal axis movable eyeset. D. Ippolito. 2,618,100, Nov. 18.
Horizontal fire tube welded boiler. H. L. Hosking. 2,587,849, Mar. 4.
Horizontal forced air flow air-heating furnace. W. A. King and A. J. Bailey. 2,589,555, Mar. 18.
Horizontal gyratory roll crusher. C. A. Adams. 2,582,734, Jan. 15.
Horizontal oil and gas separator. S. A. Wilson. 2,614,648, Oct. 21.
Horizontal plate filter. A. C. Kracklauer. 2,615,574, Oct. 28.
Horizontal retort with reciprocating agitator. F. E. Poindexter and F. W. Lowe. 2,615,834, Oct. 28.
Horizontal return fire tube boiler having a central furnace with double outlet. A. S. Weldy. 2,593,946, Apr. 22.
Horizontal separator. C. O. Glasgow. 2,586,221, Feb. 19.
Horizontal tray type oil burner. C. A. Miller. 2,587,361, Feb. 26.
Horizontally discharging pot-type burner. G. M. Schueder and H. P. Zimmer. 2,603,282, July 15.
Horizontally fired gas-oil burner. C. C. Young. 2,619,159, Nov. 25.
Horizontally hinged wheeled disk harrow. R. T. Evans and J. H. Clasen. 2,613,491, Oct. 14.
Horizontally swinging bracket supported seat. J. O. Templeton, Jr. 2,586,120, Feb. 19.
Horn, Biconical electromagnetic. W. L. Barrow. 2,602,894, July 8.
Horn blowing apparatus for motor vehicles. F. M. Stella. 2,610,235, Sept. 9.
Horn, Dielectric. C. A. Wiley. 2,596,190, May 13.
Horn, Dual tone reed. H. Hahn. 2,594,013, Apr. 22.
Horn, Electric. R. C. and P. Nielsen. 2,587,513, Feb. 26.
Horological apparatus. J. C. Packard. 2,603,940, July 22.
Horological balance wheel holding and rotating device. V. L. Emanuel. 2,583,418, Jan. 22.
Horsepower indicator. T. B. Thomson and H. A. Curtis. 2,595,425, May 6.
Horticultural compositions. S. L. Hopperstead. 2,600,245, June 10.
Hose-attachable washing implement. L. G. Simms. 2,619,385, Nov. 25.
Hose attachment. E. R. Doepke. 2,607,622, Aug. 19.
Hose attachment. H. Harkey. 2,591,427, Apr. 1.
Hose attachment for faucet outlets and the like. C. L. Hyser. 2,593,454, Apr. 22.
Hose carrier. H. B. Crawford. 2,609,231, Sept. 2.
Hose clamp. J. W. Schukraft. 2,622,290, Dec. 23.
Hose clamp. W. V. Stackhouse. 2,601,420, June 24.
Hose clamp structure. T. B. Tresidder and A. E. Moore. 2,621,383, Dec. 16.
Hose clip. H. Oetiker. 2,614,304, Oct. 21.
Hose coupling. E. H. Fletcher and L. D. Ethington. 2,596,020, May 6.
Hose coupling. H. A. Maiman. 2,613,089, Oct. 7.
Hose coupling. J. Soos. 2,595,900, May 6.
Hose coupling unit, Making a. G. L. Butler. 2,623,837, Dec. 30.
Hose, Dispensing. E. E. Eickmeyer and H. H. Wolfe. 2,619,125, Nov. 25.
Hose end holder. C. B. Yoder. 2,611,568, Sept. 23.
Hose ends, Making. A. J. Weatherhead, Jr. 2,584,948, Feb. 5.
Hose guide. C. W. Ginter. 2,589,544, Mar. 18.
Hose guide. I. Paulsen. 2,603,432, July 15.
Hose guide for lift trucks. W. M. Shaffer. 2,622,751, Dec. 23.
Hose holding clip. J. A. Megla. 2,592,053, Apr. 8.
Hose, Load-sustaining and fluid-conducting. C. E. Bannister. 2,600,607, June 17.
Hose nozzle recoil eliminating coupling. R. S. Walter. 2,602,701, July 8.
Hose reel. H. B. Crawford. 2,615,755, Oct. 28.
Hose reel. A. J. Granberg. 2,615,756, Oct. 28.
Hose reel. C. B. Hannay. 2,595,655, May 6.
Hose reel. F. G. Schweisthal. 2,612,326, Sept. 30.
Hose reel and combined handle and support therefor. R. D. Bond and G. J. Hungerford. 2,610,003, Sept. 9.
Hose reel and lawn sprinkler, Combined. D. C. Salatin. 2,602,696, July 8.
Hose reel assembly. B. D. Barton. 2,621,870, Dec. 16.
Hose reel construction. R. Hannay. 2,590,963, Apr. 1.
Hose reel installation for tank trucks. J. E. Wieschel. 2,603,384, July 15.
Hose reeling apparatus. J. P. Pavlak. 2,614,434, Oct. 21.
Hose reeling apparatus. C. A. Rostine. 2,598,306, May 27.
Hose reeling mechanism. R. B. Ziegler. 2,599,423, June 3.
Hose shutoff. L. M. Goodman. 2,622,837, Dec. 23.
Hose support and feeder, Adjustable. A. R. Hutt. 2,588,842, Mar. 11.
Hose supports for plastic tubes. J. Costello and H. S. Price, Jr. 2,589,780, Mar. 18.
Hosiery. G. N. Cooper. 2,600,851, June 17.
Hosiery. A. E. Ischinger. 2,604,770, July 29.
Hosiery drying form. H. Richter. 2,586,994, Feb. 26.
Hosiery form. I. Goodfellow. 2,606,700, Aug. 12.
Hosiery form attachment. S. Nettler. 2,600,258, June 10.
Hosiery inspection and mending form. F. R. Shoaf and J. R. Livengood, Jr. 2,601,229, June 24.
Hosiery package. W. W. Sharp, Jr. 2,622,730, Dec. 23.
Hosiery preboarding form. G. L. Vogt and J. H. Vogt, Jr. 2,617,564, Nov. 11.
Hosiery protecting insert for shoes. D. S. Veatch. 2,584,516, Feb. 5.
Hosiery seam construction, Full-fashioned. S. D. Sanson. 2,617,114, Nov. 11.
Hosiery supporting means. K. Schafler. 2,585,853, Feb. 12.
Hospital bed adjusting mechanism. L. E. Holm. 2,620,489, Dec. 9.
Hospital chair. M. L. Pratt. 2,609,862, Sept. 9.
Hospital colostomy guard. H. E. Smith. 2,604,096, July 22.
Hot-air dryer for slashers. G. L. Ball. 2,586,200, Feb. 19.
Hot-air heating furnace. J. D. Harsh. 2,612,890, Oct. 7.
Hot and cold pack. N. J. Poux. 2,606,005, Aug. 5.
Hotbed. H. R. Rawson. 2,608,797, Sept. 2.
Hotbox detector for railway cars and the like. D. R. Kempf. 2,619,586, Nov. 25.
Hot die printing machine. L. and G. E. Packer. 2,620,727, Dec. 9.
Hot fudge dispenser. G. B. Henry. 2,609,966, Sept. 9.
Hot-gas engine or refrigerator. F. K. du Pré. 2,590,519, Mar. 25.
Hot-gas engine with displacer cap safety venting means. F. L. van Weenen. 2,596,058, May 6.
Hot-gas piston apparatus having cylinder means and axially arranged piston bodies, heat exchangers, and regenerator therein. W. H. Stigter. 2,596,051, May 6.
Hot-gas piston engine cylinder and mounting plate assembly. A. Horowitz and H. A. Bosscher. 2,616,242, Nov. 4.
Hot-gas reciprocating engine. H. de Brey and F. L. van Weenen. 2,616,248, Nov. 4.
Hot-gas reciprocating engine. A. Koopmans. 2,618,923, Nov. 25.
Hot-gas reciprocating engine. F. L. van Weenen. 2,616,246, Nov. 4.
Hot-gas reciprocating engine of the kind comprising one or more closed cycles. H. de Brey. 2,616,249, Nov. 4.
Hot gas reciprocating engine with working medium augmenting means. J. W. L. Köhler. 2,607,190, Aug. 19.
Hot-gas valve. F. M. MacDougall. 2,596,036, May 6.
Hothouse, hotbed, and domestic heating system. J. T. Norman. 2,615,635, Oct. 28.
Hot-moldable compositions comprising melamine-formaldehyde resin and acrylonitrile copolymer. H. P. Wohnsiedler and E. L. Kropa. 2,582,303, Jan. 15.
Hot-moldable copolymeric acrylonitrile compositions and molded products. E. L. Kropa and J. P. Dunne. 2,602,074, July 1.
Hot-molded articles from wood sawdust, Production of. F. Weyerhaeuser. 2,583,618, Jan. 29.
Hot plate. A. L. Alaj. 2,582,735, Jan. 15.
Hot plate, Electric. H. S. Perlman. 2,580,698, Jan. 1.
Hot pressurized gas producing means. G. Boulet. 2,623,355, Dec. 30.
Hot top electrode tip. C. L. Zaccagnini. 2,600,823, June 17.
Hot-water heating device and method. B. H. Blondeau. 2,594,616, Apr. 29.
Hot workable nickel alloy. J. H. Jackson and O. W. Simmons. 2,597,495, May 20.
House heating. F. W. Gay. 2,584,573, Feb. 5.
House marker. A. H. Johnson. 2,597,003, May 20.
House number indicating device. C. M. Durey. 2,601,733, July 1.
House Number, Ornamental. D. F. Hansen. 2,584,699, Feb. 5.
House trailer heating system. J. and J. C. May. 2,587,871, Mar. 4.
Household food mixer. W. F. Bisley. 2,615,691, Oct. 28.
Household implement for comminuting foodstuff. R. C. Rol. 2,612,923, Oct. 7.
Housing for antifriction bearings. J. Lanvermeyer. 2,613,120, Oct. 7.
Housing for apparatus installed in subaqueous cables. A. H. Roche and F. O. Roe. 2,613,284, Oct. 7.
Housing for electrical switches and the like. C. A. Woodward. 2,585,887, Feb. 12.
Housing for head lamps, Antiglare. W. C. Bauman. 2,584,181, Feb. 5.
Housing for scale mechanism. E. W. Schellentrager. 2,611,605, Sept. 23.
Housing structure for use either as an incubator or brooder. G. H. Wade, Sr. 2,612,863, Oct. 7.
Hub. J. M. Leake. 2,615,764, Oct. 28.
Hub adapter for truck axles. L. L. James. 2,619,389, Nov. 25.
Hub and brake assembly. W. L. Pringle. 2,599,013, June 3.
Hubcap. P. D. Becker. 2,615,759, Oct. 28.
Hubcap. P. Dandurand. 2,593,274, Apr. 15.
Hubcap. G. A. Lyon. 2,597,882, May 27.
Hub cap clip and mounting. W. A. Mulhern. 2,595,873, May 6.
Hubcap lock. W. W. Earnest. 2,594,407, Apr. 29.
Hubcap removing handle. J. H. Miller, Jr. 2,621,980, Dec. 16.
Hubcap removing tool. S. S. Gaubert. 2,620,556, Dec. 9.
Hubcap retainer. P. H. Herrick. 2,601,017, June 17.
Hub construction for wheels. R. W. Phelps. 2,622,934, Dec. 23.

Hub motor with coupling. J. J. Geesink. 2,588,229, Mar. 4.
Hub structure. L. H. Ponnequin. 2,609,243, Sept. 2.
Hull arrangement for sailboats, Spaced. V. C. Tchetchet. 2,585,599, Feb. 12.
Hull construction. D. D. Brush. 2,619,065, Nov. 25.
Hum bucking circuit. R. H. Dreisbach and C. L. Hardwick. 2,623,127, Dec. 23.
Humidifier. A. Guzda. 2,594,636, Apr. 29.
Humidifier. M. Perlman. 2,588,567, Mar. 11.
Humidifier and air cleaner. M. F. Hall. 2,605,752, Aug. 5.
Humidifier and evaporative cooler. R. A. Roble. 2,584,618, Feb. 5.
Humidifier for cigarette packs, Disposable. B. A. Hagan. 2,623,781, Dec. 30.
Humidifier for heated air ducts. C. A. Woodruff. 2,584,650, Feb. 5.
Humidifier for the hot-air chambers of air-heating systems. D. L. Getz. 2,585,764, Feb. 12.
Humidifier head. H. F. Hill. 2,596,687, May 13.
Humidifier, Self-cleaning. A. H. Bahnson, Jr. 2,610,045, Sept. 9.
Humidifier structure. W. Feldermann. 2,591,057, Apr. 1.
Humidifying blanket. S. B. Ellis. 2,590,301, Mar. 25.
Humidity controlling hygrometer. J. J. Steinmetz. 2,598,727, June 3.
Humidity controlling system. G. W. Basinger. 2,602,589, July 8.
Humidity indicator. A. M. Gurewitsch. 2,613,302, Oct. 7.
Humidity selector switch. L. B. Butterfield. 2,610,275, Sept. 9.
Humidity sensitive device. S. Larach. 2,609,688, Sept. 9.
Hunter's blind. L. P. Feldpausch. 2,594,410, Apr. 29.
Hurdle. S. J. Marzucco. 2,583,786, Jan. 29.
Husk clearing device for corn shellers. C. M. Weinhold. 2,601,348, June 24.
Hybrid transformer coupling network for very high frequencies. D. Weighton. 2,581,156, Jan. 1.
Hydantoins containing basic substituents. W. Persch and A. P. C. Schmidt. 2,615,897, Oct. 28.
Hydracrylamides by the aminolysis of beta-lactone polymers, Preparation of. J. E. Jansen. 2,623,070, Dec. 23.
Hydrant. E. W. N. Boosey. 2,598,968, June 3.
Hydrant. J. H. Schmid, J. P. Tansey and F. J. Seigel. 2,605,781, Aug. 5.
Hydrant for railroad yards, Sanitary water. C. E. Sisson. 2,585,694, Feb. 12.
Hydrating dates. P. J. Stupin and L. Adams. 2,591,213. Apr. 1.
Hydration of lime. N. V. S. Knibbs. 2,611,683, Sept. 23.
Hydration of olefins. C. B. Linn. 2,616,933, Nov. 4.
Hydration of olefins. J. E. Woodbridge. 2,617,834, Nov. 11.
Hydraulic acceleration integrator switch. W. B. McLean. 2,603,726, July 15.
Hydraulic accumulator. E. M. Greer. 2,604,118, July 22.
Hydraulic accumulator and valve therefor. D. C. Green. 2,616,453, Nov. 4.
Hydraulic actuating mechanism for machining implements. R. G. Hall and S. M. Hill. 2,582,328, Jan. 15.
Hydraulic actuator. K. J. Alward. 2,590,144, Mar. 25.
Hydraulic adapter. J. D. Bennett. 2,590,362, Mar. 25.
Hydraulic adjusting mechanism for harvesting machines. C. H. Watson. 2,609,649, Sept. 9.
Hydraulic agitator. D. M. Jackson. 2,592,904, Apr. 15.
Hydraulic and electrical system for operating presses. R. K. Sedgwick. 2,602,294, July 8.
Hydraulic anticipator for variable pitch propellers. T. B. Rhines and W. Gerstenberger. 2,623,600, Dec. 30.
Hydraulic apparatus. C. E. Adams. 2,618,933, Nov. 25.
Hydraulic apparatus. E. H. Born. 2,608,159, Aug. 26.
Hydraulic apparatus. E. H. Born. 2,619,041, Nov. 25.
Hydraulic apparatus. F. J. Sowa. 2,610,949, Sept. 16.
Hydraulic apparatus for controlling relative movement between associated bodies. J. Love and W. M. Sutherland. 2,607,581, Aug. 19.
Hydraulic assembly for adjustable ladder leg extension. R. J. Anderson. 2,598,875, June 3.
Hydraulic automatic drive and control. M. J. Dikeman. 2,583,209, Jan. 22.
Hydraulic automatic selective transmission, including tilt plates. G. P. Lay. 2,583,656, Jan. 29.
Hydraulic automobile lifting device. J. E. Lucas. 2,619,319, Nov. 25.
Hydraulic booster and lever means for conveying speed control signals to a control lever for speed governors, throttles, or the like. H. H. Platts. 2,597,815, May 20.
Hydraulic booster brake system. W. Stelzer. 2,618,123, Nov. 18.
Hydraulic booster for controlling operational parts of aircraft. H. P. Kupiec. 2,605,750, Aug. 5.
Hydraulic brake adjuster. W. W. Brannen. 2,588,955, Mar. 11.
Hydraulic brake booster unit. F. A. Tann. 2,596,348, May 13.
Hydraulic brake fluid warning device. F. J. Marks. 2,613,293, Oct. 7.
Hydraulic brake master cylinder reservoir float switch. D. M. Whitney. 2,615,105, Oct. 21.
Hydraulic brake safety device. A. J. Felt. 2,583,825, Jan. 29.
Hydraulic brake system. R. Blafield. 2,609,067, Sept. 2.
Hydraulic by-pass control. D. Grant and L. V. Hall. 2,616,264, Nov. 4.
Hydraulic by-pass system and valve therefor. J. S. Pilch. 2,590,454, Mar. 25.
Hydraulic cement composition and indurating composition therefor. E. W. Scripture, Jr. 2,593,492, Apr. 22.
Hydraulic cementitious mixtures and making. A. Klein. 2,588,248, Mar. 4.
Hydraulic centering reel. F. M. Littell and R. A. Skriba. 2,598,398, May 27.
Hydraulic clutch mechanism. J. B. Armitage and H. L. Heywood. 2,600,043, June 10.
Hydraulic compensating and balancing device for reciprocal hydraulic remote-control circuits. A. Wulleman. 2,604,757, July 29.
Hydraulic control. H. H. Kehrl. 2,585,389, Feb. 12.
Hydraulic control apparatus for adjusting and locking mechanism. H. F. Silver and C. R. Steele. 2,608,823, Sept. 2.
Hydraulic control apparatus for spreader stokers. D. J. Mosshart. 2,603,421, July 15.
Hydraulic control for automatic washing machines. C. D. Branson. 2,607,207, Aug. 19.
Hydraulic control for drill feeding units. C. E. Broders. 2,618,179, Nov. 18.
Hydraulic control for finishing rolls of terne plate rigs. E. A. Matteson. 2,585,482, Feb. 12.
Hydraulic control for mechanisms. W. T. Blake. 2,615,534, Oct. 28.
Hydraulic control for windows and the like. A. Cuthill and J. C. McBroom. 2,607,195, Aug. 19.
Hydraulic control mechanism. A. L. Lado. 2,607,321, Aug. 19.
Hydraulic control system. R. Détrez. 2,586,623, Feb. 19.
Hydraulic control system. F. L. Erickson. 2,589,067, Mar. 11.
Hydraulic control system. A. P. Schneider. 2,583,307, Jan. 22.
Hydraulic control system for hydraulic piston type control valves. J. M. and F. H. Towler. 2,620,777, Dec. 9.
Hydraulic control system with automatic stop. A. A. Meddock. 2,615,432, Oct. 28.
Hydraulic control unit. C. E. Deardorff and A. A. Meddock. 2,615,433, Oct. 28.
Hydraulic control valve. G. Carr. 2,586,785, Feb. 26.
Hydraulic control valve. N. Fenger. 2,592,798, Apr. 15.
Hydraulic control valve. D. B. Gardiner. 2,591,800, Apr. 8.
Hydraulic control valve. H. C. Weimar. 2,613,906, Oct. 14.
Hydraulic coupler valve construction. R. M. Ulrich. 2,614,866, Oct. 21.
Hydraulic coupling for use between a driving and a driven element. H. L. Foster. 2,589,362, Mar. 18.
Hydraulic coupling valve. C. A. Strayer. 2,612,872, Oct. 7.
Hydraulic crane structure. W. G. Frenzel. 2,601,927, July 1.
Hydraulic cylinder construction and mounting arrangement. R. E. Cross. 2,584,428, Feb. 5.
Hydraulic cylinder piston. C. A. Samuel. 2,598,609, May 27.
Hydraulic cylinders with plungers, Making. L. T. McGee. 2,613,431, Oct. 14.
Hydraulic debarker. J. E. Holveck and A. G. Rockwood. 2,587,473, Feb. 26.
Hydraulic device. N. Habsch. 2,583,528, Jan. 29.
Hydraulic die. R. J. Gaudreau. 2,591,061, Apr. 1.
Hydraulic die. R. J. Gaudreau. 2,609,775, Sept. 9.
Hydraulic dimpling unit. W. J. Hoffman. 2,581,659, Jan. 8.
Hydraulic disk brake. K. J. Vaughn. 2,611,453, Sept. 23.
Hydraulic door actuator. C. G. G. Group. 2,606,761, Aug. 12.
Hydraulic drawbar control. T. Miller. 2,600,016, June 10.
Hydraulic drill feed and stroke timing mechanism. F. W. Krlewall. 2,610,528, Sept. 16.
Hydraulic drive mechanism for step-by-step conveyers. G. G. Drago. 2,622,401, Dec. 23.
Hydraulic drive unit for washing machines. M. F. Wilcox. 2,582,810, Jan. 15.
Hydraulic dumping attachment for trucks. E. L. Stockwell. 2,611,641, Sept. 23.
Hydraulic electromagnetic well fishing tool. A. E. and J. A. Bivings and P. H. Dunnam. 2,595,632, May 6.
Hydraulic equalizer. L. M. Davis. 2,617,555, Nov. 11.
Hydraulic feed for machine tools. A. A. Ericson. 2,587,449, Feb. 26.
Hydraulic fitting. W. L. Hume. 2,599,389, June 3.
Hydraulic fluid. M. R. Fenske. 2,616,854, Nov. 4.
Hydraulic fluid. W. A. Zisman, J. K. Wolfe, H. R. Baker, and D. R. Spessard. 2,602,780, July 8.
Hydraulic fluid composition. V. Esposito. 2,588,970, Mar. 11.
Hydraulic fluid composition. A. Wachter and N. Stillman. 2,584,086, Jan. 29.
Hydraulic fluid flow control device with electric switch. D. C. Madsen. 2,617,901, Nov. 11.
Hydraulic fluid mechanism. J. W. Overbeke. 2,620,733, Dec. 9.

Hydraulic force measuring device with electrical indicator. A. J. F. Clement and J. W. Kettl. 2,592,009, Apr. 8.
Hydraulic gate. F. Jermář. 2,621,484, Dec. 16.
Hydraulic governor for internal-combustion prime movers. R. J. Ifield. 2,621,913, Dec. 16.
Hydraulic governor head with speeder spring adjusting means. E. J. Collins. 2,590,940, Apr. 1.
Hydraulic hoist. O. I. Hegre. 2,599,991, June 10.
Hydraulic hook for hoists. E. C. Ray. 2,620,160, Dec. 2.
Hydraulic impact device for cleaning pipes. J. G. Crispin. 2,621,668, Dec. 16.
Hydraulic jack. E. K. Anschuetz. 2,583,923, Jan. 29.
Hydraulic jack. T. A. Cheesman. 2,608,825, Sept. 2.
Hydraulic jack. J. J. Mueller. 2,610,025, Sept. 9.
Hydraulic jack. J. J. Mueller. 2,621,019, Dec. 9.
Hydraulic jack. F. M. Siedenburg. 2,585,351, Feb. 12.
Hydraulic jack with filling means, Portable. P. Bidin. 2,618,929, Nov. 25.
Hydraulic leveling device. E. L. Schofield. 2,616,713, Nov. 4.
Hydraulic lift. R. D. Acton. 2,582,896, Jan. 15.
Hydraulic lift. E. J. Adams. 2,591,489, Apr. 1.
Hydraulic lift for cutter bars. J. H. Lindau, R. P. Stewart, and J. D. Black. 2,612,018, Sept. 30.
Hydraulic lift for mowing machines. R. Newman. 2,603,929, July 22.
Hydraulic lift for vehicles. S. E. Hill and W. L. Zink. 2,599,993, June 10.
Hydraulic line coupling. G. J. Pasker. 2,599,935, June 10.
Hydraulic loader. C. T. Crampton and E. L. Miller. 2,619,242, Nov. 25.
Hydraulic log-barker having kerf-cutting and bark-removing jets. R. E. Burton. 2,611,401, Sept. 23.
Hydraulic master brake cylinder having bleeding means. M. V. Groves. 2,615,304, Oct. 28.
Hydraulic master cylinder. J. W. White. 2,608,063, Aug. 26.
Hydraulic master cylinder assembly. J. W. White. 2,608,062, Aug. 26.
Hydraulic means for actuating frictional disk clutches. T. A. Schaad. 2,587,230, Feb 26.
Hydraulic mechanism for actuating valves. P. T. Tucker. 2,615,438, Oct. 28.
Hydraulic metering fuse. D. A. Stark. 2,592,486, Apr. 8.
Hydraulic moving, positioning, and holding mechanism. E. W. Bereit. 2,592,001, Apr. 8.
Hydraulic oscillator for the shaft of an agitator. C. W. Osmond. 2,608,183, Aug. 26.
Hydraulic pilot valve with reaction compensating means. A. Loft. 2,621,676, Dec. 16.
Hydraulic piston-control rigging for refrigerator-compressors. O. Zehnder. 2,583,285, Jan. 22.
Hydraulic piston stop. P. A. Driscoll. 2,616,262, Nov. 4.
Hydraulic power control. G. D. Shaeffer. 2,589,877, Mar. 18.
Hydraulic power drive. C. B. Hatfield. 2,621,602, Dec. 16.
Hydraulic power system for synchronous operation of press elements. R. E. Sheahan. 2,602,246, July 8.
Hydraulic power unit. S. B. McLeod. 2,588,644, Mar. 11.
Hydraulic power unit for presses and the like. R. J. Parsons. 2,591,464, Apr. 1.
Hydraulic precontrol of pressure fluid operated governors. O. S. Ruud and T. J. Wilhelmsen. 2,616,397, Nov. 4.
Hydraulic press. L. A. Camerota. 2,615,302, Oct. 28.
Hydraulic press. H. M. Purcell. 2,614,488, Oct. 21.
Hydraulic press control system. F. E. Munschauer, Jr. 2,617,389, Nov. 11.
Hydraulic press in which the thrust of the ram and the reaction of the slide bar are equalized. A. K. Nowak. 2,597,169, May 20.
Hydraulic press fluid supply with pressure intensifier. D. L. Lombard. 2,587,571, Feb. 26.
Hydraulic press operator with automatic speed regulation. C. S. Dayton. 2,591,410, Apr. 1.
Hydraulic press speed control mechanism. F. J. Katz. 2,596,988, May 20.
Hydraulic pressure booster. A. S. Kux. 2,608,059, Aug. 26.
Hydraulic pressure control apparatus. B. Brownstein. 2,590,503, Mar. 25.
Hydraulic pressure delivery device. T. Rozanski and W. Whitley. 2,597,953, May 27.
Hydraulic pressure integrating device. D. W. Keef. 2,596,032, May 6.
Hydraulic pressure power device. F. Adams. 2,587,803, Mar. 4.
Hydraulic profiler for truing devices and the like. W. L. Tancred. 2,602,437, July 8.
Hydraulic propeller pitch change mechanism. E. R. Benedek. 2,604,951, July 29.
Hydraulic pulsator transmission system for converting rotary motion into reciprocatory motion. C. I. Lattig. 2,580,561, Jan. 1.
Hydraulic pumping device. K. L. Moody. 2,608,160, Aug. 26.
Hydraulic pumping jack. J. C. Mason. 2,605,612, Aug. 5.
Hydraulic pumping jack control. I. M. White. 2,617,256, Nov. 11.
Hydraulic punch and stripping device. O. Mueller. 2,586,695, Feb. 19.
Hydraulic ram attachment for implements. W. G. Toland. 2,613,584, Oct. 14.
Hydraulic ram for raising sickle bars. G. W. Iverson. 2,617,242, Nov. 11.
Hydraulic reach tightener. F. F. Bean. 2,614,864, Oct. 21.
Hydraulic resaw setwork. D. H. Bookbultz and G. E. Zweifel. 2,584,837, Feb. 5.
Hydraulic roll positioner. G. R. Linden. 2,592,048, Apr. 8.
Hydraulic rotary drill. J. A. Bradley. 2,610,031, Sept. 9.
Hydraulic safety device. A. J. and H. R. Sparks. 2,585,511, Feb. 12.
Hydraulic scale capsule. L. S. Williams. 2,592,501. Apr. 8.
Hydraulic screening. A. Searles. 2,592,605, Apr. 15.
Hydraulic service jack. E. H. Schultz. 2,605,999, Aug. 5.
Hydraulic servomotor. L. F. Mott. 2,613,650, Oct. 14.
Hydraulic servomotor system. T. W. Kenyon. 2,598,180, May 27.
Hydraulic speed control apparatus for regulating the fuel supply for combustion engines. A. A. Rood and J. F. Campbell. 2,606,419, Aug. 12.
Hydraulic spring-controlling device. G. W. Crabtree. 2,587,443. Feb. 26.
Hydraulic starter, A. C. Jenny. 2,608,966, Sept. 2.
Hydraulic steering motor and shimmy dampener. H. L. Chisholm, Jr., G. Farrell and B. E. O'Connor. 2,589,341, Mar. 18.
Hydraulic steering system. F. H. Smith. 2,608,060. Aug. 26.
Hydraulic system. H. W. Rockwell. 2,592,338, Apr. 8.
Hydraulic system actuator. K. B. Britton. 2,607,194, Aug. 19.
Hydraulic system comprising a servo-motor of the follow-valve type and improved control means therefor. E. M. May. 2,580,686, Jan. 1.
Hydraulic system for actuating the tool-carrying beam of sheet bending machines. C. J. Rhodes. 2,599,781, June 10.
Hydraulic system for obtaining automatic motor speed controls. G. Matheys. 2,603,950, July 22.
Hydraulic system for power-operated hatch covers. E. M. Greer and J. Mercier. 2,595,248, May 6.
Hydraulic system for supplying pressure liquid to motors of hydraulic machines. J. M. and F. H. Towler. 2,601,675, June 24.
Hydraulic system, including a cooling circuit for the pumps thereof. F. J. Wright. 2,621,479, Dec. 16.
Hydraulic system, including multiple motors and controls therefor. B. F. Quintillan. 2,616,259, Nov. 4.
Hydraulic tappet. O. H. Banker. 2,580,382. Jan. 1.
Hydraulic tappet. P. F. Bergmann. 2,599,886, June 10.
Hydraulic tester. G. W. Nigh. 2,610,504, Sept. 16.
Hydraulic thermostatic mechanism for electric induction apparatus. M. Unger. 2,587,412. Feb. 26.
Hydraulic tool supporting structure. J. G. Lindeman. 2,589,104. Mar. 11.
Hydraulic torque indicator. F. B. Bayless. 2,593,000. Apr. 15.
Hydraulic torque meter. T. Clark and H. E. Harvey. 2,581,239, Jan. 1.
Hydraulic torque transmitting device. J. F. Swift. 2,598,620, May 27.
Hydraulic transmission. L. L. Chiville, Jr. 2,619,850, Dec. 2.
Hydraulic transmission. S. A. Kraft and A. W. Beaurline. 2,591,363, Apr. 1.
Hydraulic transmission. G. E. Soper and H.-E. E. Christenson. 2,590,472, Mar. 25.
Hydraulic transmission and control for guns. E. Wiedmann. 2,586,280, Feb. 19.
Hydraulic transmission for press rams. A. K. Nowak. 2,622,397, Dec. 23.
Hydraulic transmission for reproducing mechanical motions at remote points. P. G. J. M. Audemar. 2,597,050, May 20.
Hydraulic transmission of the swash plate type pump and motor, and control mechanism therefor. S. C. Moon. 2,588,866, Mar. 11.
Hydraulic transmission system for reproducing rotary movements at a distance. P. G. J. M. Audemar and P. L. J. Gerard. 2,584,659, Feb. 5.
Hydraulic transmission, Vane type. R. H. Carson. 2,581,172, Jan. 1.
Hydraulic transmission with axially shiftable speed varying control means between pump and motor rotors. K. B. Glenn. 2,606,422, Aug. 12.
Hydraulic transmitter mechanism. N. C. Jannsen. 2,615,305, Oct. 28.
Hydraulic transmitter mechanism. E. M. May. 2,607,196. Aug. 19.
Hydraulic underreamer. R. C. Baker. 2,602,642, July 8.
Hydraulic valve and post. F. J. Wright. 2,607,558, Aug. 19.
Hydraulic valve operating system. S. de Wrangell. 2,595,775, May 6.
Hydraulic valve operating system for internal-combustion engines. E. E. Wallace. 2,596,350, May 13.
Hydraulic valve-operating system operable to vary valve lift and timing. F. C. Reggio. 2,621,640, Dec. 16.
Hydraulic valve tappet operable to vary valve-lift and valve-timing. H. A. Meinecke. 2,614,547, Oct. 21.
Hydraulic weighing scale pressure receiver. L. S. Williams. 2,602,658. July 8.

Hydraulic work hardening, Method and apparatus for. W. S. Clevenger and J. S. and S. G. Cohen. 2,615,411, Oct. 28.
Hydraulically actuated disk type automotive vehicle brake. P. W. Hovey and C. G. King. 2,616,526, Nov. 4.
Hydraulically balanced tracer with eccentrically mounted tracer arm. G. Humes. 2,622,616, Dec. 23.
Hydraulically balanced valve system. H. Seaman. 2,587,539, Feb. 26.
Hydraulically controlled apron and ejector assembly for earth working scrapers. D. E. Murray. 2,609,622, Sept. 9.
Hydraulically controlled continuously variable ratio torque converter. E. L. Foster. 2,590,305, Mar. 25.
Hydraulically-operated crusher of reciprocating type. K. Gauldie. 2,620,629, Dec. 9.
Hydraulically operated duplex box machine. W. Lindsay. 2,620,711, Dec. 9.
Hydraulically operated engine-propeller control. D. A. Richardson. 2,612,958, Oct. 7.
Hydraulically operated exercising table. R. E. Allen. 2,598,204, May 27.
Hydraulically operated headstock center. R. Kurzweil. 2,612,071, Sept. 30.
Hydraulically operated mobile weed and brush cutter. E. W. Holmes. 2,588,002, Mar. 4.
Hydraulically operated propeller pitch control. C. L. Muzzey. 2,612,960, Oct. 7.
Hydraulically operated reciprocating sickle mechanism. E. W. Holmes. 2,588,003, Mar. 4.
Hydraulically operated regulator mechanism for vehicle windows or the like utilizing engine starter motor. J. B. Parsons. 2,592,180, Apr. 8.
Hydraulically operated valve seat. V. T. Maxwell. 2,600,898, June 17.
Hydraulically reinforced spring seat support. C. E. Deardorff and W. E. Elder. 2,587,121, Feb. 26.
Hydrazine hydrate, Production of. W. H. Marshall, Jr. 2,583,584–5, Jan. 29.
Hydrazine, Manufacture of. E. Solomon. 2,591,735, Apr. 8.
Hydrazobisalkanesulfonate polymerization catalyst for ethylenically unsaturated monomers. E. G. Howard, Jr. 2,589,258, Mar. 18.
Hydroaromatic analogues of certain hydrophile hydroxylated synthetic products and making same. M. De Groote and B. Keiser. 2,589,061, Mar. 11.
Hydrocarbon conversion. V. O. Bowles and A. H. Schutte. 2,609,332, Sept. 2.
Hydrocarbon conversion. L. P. Evans. 2,592,404, Apr. 8.
Hydrocarbon conversion catalyst and process. G. M. Webb and R. W. Moehl. 2,611,738, Sept. 23.
Hydrocarbon conversion process. S. C. Eastwood. 2,606,861, Aug. 12.
Hydrocarbon conversion process and reaction chamber for pebble heater apparatus. S. P. Robinson. 2,623,842, Dec. 30.
Hydrocarbon cracking stock for catalytic cracking, Preparation of. V. A. Johnson. 2,611,737, Sept. 23.
Hydrocarbon dehydrogenation in presence of added carbon dioxide. E. O. Erkko. 2,604,495, July 22.
Hydrocarbon drying oils having improved drying characteristics, Production of. A. E. Hoffman and H. S. Bloch. 2,582,434, Jan. 15.
Hydrocarbon feed stocks containing asphaltic material for catalytic cracking, Preparing. L. P. Evans. 2,592,403, Apr. 8.
Hydrocarbon gas detector. C. Tiffany. 2,592,834, Apr. 15.
Hydrocarbon gas mixture analysis. A. T. Clothier. 2,600,158, June 10.
Hydrocarbon oil composition. J. P. McDermott. 2,585,813, Feb. 12.
Hydrocarbon oils containing S-alkoxymethyl-O,O'-dialkyldithiophosphates. E. O. Hook and P. H. Moss. 2,614,988, Oct. 21.
Hydrocarbon oxidation. C. F. Dougherty, Jr., and C. C. Chapman. 2,615,921, Oct. 28.
Hydrocarbon-oxy phosphoryl monofluorides, Production of. W. Lange and A. Hood. 2,614,116, Oct. 14.
Hydrocarbon solvent, Manufacture of a. L. C. Morris and F. M. Smith. 2,604,494, July 22.
Hydrocarbon synthesis. J. H. Arnold. 2,623,057, Dec. 23.
Hydrocarbon synthesis. J. F. Black and K. K. Kearby. 2,593,250, Apr. 15.
Hydrocarbon synthesis. V. L. Cain and C. E. Hemminger. 2,589,925, Mar. 18.
Hydrocarbon synthesis. R. W. Krebs. 2,614,114, Oct. 14.
Hydrocarbon synthesis. H. Z. Martin and I. Mayer. 2,610,976, Sept. 16.
Hydrocarbon synthesis catalyst. A. Clark. 2,583,254, Jan. 22.
Hydrocarbon synthesis gas, Production of. B. J. Mayland. 2,609,382, Sept. 2.
Hydrocarbon synthesis process. J. C. Dart. 2,586,618, Feb. 19.
Hydrocarbon synthesis process with two-stage coke gasification. W. G. May and S. B. Sweetser. 2,620,348, Dec. 2.
Hydrocarbon synthesis using a spent ammonia synthesis catalyst. E. T. Layng. 2,588,452, Mar. 11.
Hydrocarbon thiophosphoric acid salts of thialdine and certain homologues. J. P. McDermott. 2,610,182, Sept. 9.
Hydrocarbon tin alcoholates. S. L. Burt. 2,583,084, Jan. 22.
Hydrocarbons from a granular solid reactant, Production of. C. H. Holder. 2,595,255, May 6.
Hydrodesulfurization of petroleum hydrocarbons. P. W. Cornell. 2,614,066, Oct. 14.
Hydrodesulfurization reactor. P. W. Cornell and C. E. Carter. 2,614,033, Oct. 14.
Hydrodynamic machine. W. Ferris. 2,608,933–4, Sept. 2.
Hydrodynamic testing apparatus. R. B. Cotton. 2,585,442, Feb. 12.
Hydrodynamic transmission. J. Jandasek. 2,609,706, Sept. 9.
Hydrodynamic transmission. J. Jandasek. 2,616,310, Nov. 4.
Hydrodynamic universal joint. E. L. and E. M. Ruberts. 2,605,614, Aug. 5.
Hydroelectric power unit. J. Kallx. 2,621,483, Dec. 16.
Hydrofining with sulfate regenerated catalyst. M. H. Gwynn. 2,587,149, Feb. 26.
Hydrofluoric acid refining of hydrocarbon oils. S. Miron. 2,600,671, June 17.
Hydrofoil craft. N. W. Gardiner. 2,603,179, July 15.
Hydrofugation of textile materials. R. L. Lehmann and J. Lintner. 2,588,640, Mar. 11.
Hydrogen and carbon dioxide, Production of. D. C. Christian and R. M. Reed. 2,602,020, July 1.
Hydrogen and carbon monoxide gas mixtures, Preparation of. A. D. Garrison. 2,621,117, Dec. 9.
Hydrogen and carbon monoxide synthesis gas, Production of. B. J. Mayland. 2,618,611, Nov. 18.
Hydrogen cyanide, Manufacture of. H. A. Beekhuis. 2,604,380, July 22.
Hydrogen cyanide, Manufacture of. A. C. McKinnis. 2,620,259, Dec. 2.
Hydrogen cyanide, Production of. G. Barsky. 2,590,146, Mar. 25.
Hydrogen fluoride recovery. J. E. Penick. 2,591,096, Apr. 1.
Hydrogen process. L. W. Russum and J. F. Coffey. 2,609,274, Sept. 2.
Hydrogen, Production of. E. M. D. Eborall, W. A. Baker, and E. A. G. Liddiard. 2,623,812, Dec. 30.
Hydrogen transfer process. H. Pines and B. Kvetinskas. 2,616,934, Nov. 4.
Hydrogenated butadiene-acrylonitrile copolymer. P. S. Pinkney. 2,585,583, Feb. 12.
Hydrogenated products. M. T. Harvey. 2,600,764, June 17.
Hydrogenated vinylcyclohexene-dimer. H. L. Johnson and F. J. Bondilus. 2,590,971, Apr. 1.
Hydrogenation. H. K. Dice, S. B. Jeffries, Jr., and W. D. Hull. 2,580,528, Jan. 1.
Hydrogenation catalysts by reduction, Preparation of. T. Bewley and P. L. Bramwyche. 2,623,078, Dec. 23.
Hydrogenation liquefaction of coal employing zinc catalysts. H. H. Storch and M. G. Pelipetz. 2,606,142, Aug. 5.
Hydrogenation of carbon monoxide with promoted iron catalyst. H. G. McGrath. 2,598,647, May 27.
Hydrogenation of glycolic acid to ethylene glycol. W. F. Gresham. 2,607,805, Aug. 19.
Hydrogenation of halogenosilanes. G. H. Wagner and C. E. Erickson. 2,595,620, May 6.
Hydrogenation of hydrocarbon oils with molybdenum oxide catalyst, Destructive. J. B. McKinley. 2,585,337, Feb. 12.
Hydrogenation of oxygenated organic compounds. B. I. Kaufman. 2,623,893, Dec. 30.
Hydrogenation of polysaccharides. J. Loikema and H. A. Van Westen. 2,609,398, Sept. 2.
Hydrogenation of silicon compounds. G. H. Wagner. 2,606,811, Aug. 12.
Hydrogenation process. W. A. Jacob, Jr. and A. D. Van de Erve. 2,602,806, July 8.
Hydrogenolysis process for the production of lower boiling hydrocarbons from heavy residual oils with reduced formation of coke. H. W. Fleming. 2,619,450, Nov. 25.
Hydrohalogenated rubber, Preparation of. G. J. van Veersen. 2,596,878, May 13.
Hydrohalogenation of unsaturated conjunct polymers. C. B. Linn. 2,591,841, Apr. 8.
Hydrokinetic turbine torque converter. R. W. Gregg. 2,585,309, Feb. 12.
Hydrolysis of alpha-hydrocarbon-alpha, beta-dihalocarbonylic compounds. G. W. Hearne and C. G. Schwarzer. 2,600,766, June 17.
Hydrolysis of beta lactam linkage by penicillinase. H. Welch. 2,601,350, June 24.
Hydrolysis of fats and oils. J. Ross and W. R. Trent. 2,619,494, Nov. 25.
Hydrolysis of methylal. J. Newcombe. 2,605,287, July 29.
Hydrolysis of 1,2-propylene oxide to 1,2-propylene glycol. M. O. Robeson and T. P. Webb. 2,623,909, Dec. 30.
Hydrolysis of steroid epoxides. P. E. Marlatt, A. R. Hanze, A. V. McIntosh, Jr., and R. H. Levin. 2,582,263, Jan. 15.
Hydrolysis process. J. E. Cleland. 2,587,596, Mar. 4.
Hydrolyzed cellulose ester printing plate, Making a. E. C. Yackel and C. F. Amering. 2,607,683, Aug. 19.
Hydrolyzed copolymers of fluorinated vinyl compounds. F. G. Pearson. 2,600,684, June 17.

Hydrolyzed 2,3-dicyano-anthraquinone dyestuffs and disperse dye compositions comprising them, Making certain. V. S. Salvin and A. B. Conciatori. 2,602,721, July 8.
Hydrolyzing lactalbumin. G. H. Carlson. 2,585,225, Feb. 12.
Hydrolyzing titaniferous solutions. L. Aagaard and F. J. Schultz. 2,622,964, Dec. 23.
Hydromechanical power transmission drive. W. Cull. 2,599,814, June 10.
Hydrometer. K. Weiss. 2,600,035, June 10.
Hydropneumatic graduator. R. E. Millican. 2,591,087, Apr. 1.
Hydropneumatic locking cushion for power presses. V. Georgeff. 2,584,339, Feb. 5.
Hydropneumatic suspension gear. P. Panhard. 2,621,924, Dec. 16.
Hydropneumatically controlled servomotor. P. Fouron and G. Bourret. 2,601,761, July 1.
Hydroquinone, Manufacture of. J. Kamlet. 2,614,127, Oct. 14.
Hydrorosin acid salts in the emulsion polymerization of styrenes. J. N. Borglin and P. A. Ray. 2,596,886, May 13.
Hydrostatic pressure testing device for bottles and the like. J. M. Walling. 2,592,984, Apr. 15.
Hydrostatic weir, gate, and the like. F. Jermaff. 2,598,389, May 27.
Hydrostatically lubricated spherical bearing. W. F. King. 2,621,080, Dec. 9.
Hydrotherapy apparatus, Portable. W. E. Gilson. 2,591,252, Apr. 1.
Hydrotherapy tank. L. B. Newman. 2,587,644, Mar. 4.
Hydrothermal synthesis of forsterite. E. F. Osborn. 2,590,566, Mar. 25.
Hydrotilt. D. D. Wallace. 2,615,499, Oct. 28.
Hydrous alumina catalyst support. C. L. Gutzeit. 2,619,474, Nov. 25.
Hydroxy acetic acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,371, Jan. 8.
Hydroxy acids esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,388, Jan. 8.
Hydroxyalkyl alkyl derivatives of 5-nitroso-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinedione. V. Papesch and E. F. Schroeder. 2,602,795, July 8.
Hydroxyalkyl amides of acrylic acids, Production of. G. D. Jones. 2,593,888, Apr. 22.
Hydroxyalkyl derivatives of 6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. V. Papesch. 2,596,041, May 6.
Hydroxy-carboxylic-acids, Preparation of. H. Schmidt. 2,587,906, Mar. 4.
Hydroxyethylamino fluorenes. J. F. Kerwin and G. E. Ullyot. 2,588,849, Mar. 11.
Hydroxylated aliphatic compounds including hydroxylated aliphatic carboxylic acids and lactones thereof, Production of. E. Schwenk and D. Papa. 2,594,355, Apr. 29.
Hydroxylation of olefinic compounds. D. P. Young. 2,613,223, Oct. 7.
Hydroxypentachlorodimethoxymethanotetrahydroindane. W. J. Croxall and J. W. Dawson. 2,613,229, Oct. 7.
Hydroxyphenyl-cinnamic nitriles and process. H. Honecka. 2,589,377, Mar. 18.
Hydroxy sulfolenes, Producing. J. E. Mahan and S. C. Fauske. 2,610,192, Sept. 9.
Hydroxy-tetrahydro-napthoyl-alkanoic acids. R. R. Burtner. 2,589,223, Mar. 18.
Hydroxy xenoyl alkanoic acids and derivatives thereof. R. R. Burtner and H. A. Arbit. 2,590,085, Mar. 25.
Hygrometer. C. H. Hess. 2,593,755, Apr. 22.
Hygrometer of the wet and dry bulb thermometer type. A. H. Lamb. 2,589,557, Mar. 18.
Hyperbolic position locating device. R. B. Johnson, H. A. Hendrich, and G. V. A. Malmros. 2,591,074, Apr. 1.
Hyperfrequency electron tube. E. Touraton and R. Zwobada. 2,610,308, Sept 9.
Hypnosis assisting device. A. M. Gordon. 2,608,969, Sept. 2.
Hypochlorite bleach container. A. C. Stoneman. 2,614,690, Oct. 21.
Hypochlorite process for bleaching cotton textiles, Continuous. S. M. Rogers. 2,602,723, July 8.
Hypochlorite sweetening of distillates. M. T. Waddell, H. W. Earhart, R. M. Love, and J. S. Tiller. 2,608,523, Aug. 26.
Hypodermic needle. J. C. Bamford, Jr., and R. S. Colfax, Jr. 2,623,520, Dec. 30.
Hypodermic needle holder. A. J. Son. 2,601,065, June 17.
Hypodermic needle honing device. J. B. G. Custis and E. R. Post. 2,588,089, Mar. 4.
Hypodermic needle package. J. W. Long. 2,619,228, Nov. 25.
Hypodermic projectile. G. E. and D. E. Van Horn. 2,617,359, Nov. 11.
Hypodermic solution container. J. A. Saffir. 2,619,088, Nov. 25.
Hypodermic syringe assembly. F. E. Brown. 2,591,046, Apr. 1.
Hypodermic syringe needle mounting. C. B. Burnside. 2,604,890, July 29.
Ice and hot pack, Combination. N. J. Poux. 2,602,302, July 8.
Ice bank controller. C. A. Cobb. 2,622,923, Dec. 23.
Ice block making machine. J. C. Rear and F. J. Bobby. 2,585,498, Feb. 12.
Icebox and cookstove, Combination portable. A. H. Schmidt and W. J. Eklof. 2,608,191, Aug. 26.
Icebox cooky cutter and method. D. B. Furlong. 2,583,940, Jan. 29.
Ice breaker for highway maintenance. W. A. Lommen. 2,606,011, Aug. 5.
Ice cracker. J. R. Bayston. 2,610,803, Sept. 16.
Ice-cream agitator or the like. M. C. Luterick. 2,600,010, June 10.
Ice cream composition. J. Lolkema. 2,590,077, Mar. 25.
Ice-cream freezer support. W. W. Varnado. 2,592,495, Apr. 8.
Ice-cream making machine. H. S. Ogden. 2,622,411, Dec. 23.
Ice-cream manufacturing device and process. E. M. Irwin. 2,594,442, Apr. 29.
Ice-cream pop manufacturing and packaging. P. Schenk. 2,582,655, Jan. 15.
Ice-cream whipping machine. M. C. Luterick. 2,600,009, June 10.
Ice cube support. E. D. Ekkebus, J. C. Gallagher, and R. Zapfel. 2,588,222, Mar. 4.
Ice-cutting device. S. Amar. 2,623,149, Dec. 23.
Ice detector and deicing mechanisms for gas holders. J. H. Wiggins. 2,606,823, Aug. 12.
Ice fishing tilt. W. Fred. 2,598,778, June 3.
Ice grip for motor vehicles. H. Plante. 2,619,289, Nov. 25.
Ice machine. F. W. Knowles. 2,616,271, Nov. 4.
Ice maker and water cooler, Series connected. H. J. Kellershon. 2,605,621, Aug. 5.
Ice-making. W. M. Grandia. 2,593,874, Apr. 22.
Ice-making apparatus. C. Field. 2,586,802, Feb. 26.
Ice-making apparatus. J. D. Williams, Jr. 2,618,129, Nov. 18.
Ice-making machine. J. W. Braswell, Jr. 2,590,499, Mar. 25.
Ice-making machine. D. R. Cook. 2,613,506, Oct. 14.
Ice-making machine. G. F. Erickson and D. B. McShan. 2,583,294, Jan. 22.
Ice-making machine. M. N. Grow. 2,585,240, Feb. 12.
Ice-making machine. W. Randell. 2,602,304, July 8.
Ice-making machine. E. C. Walsh. 2,613,511, Oct. 14.
Ice-making machine and method. A. Lee and E. Lieberman. 2,595,588, May 6.
Ice, Manufacture of. L. L. McCoy. 2,595,968, May 6.
Ice mold. E. S. and S. D. Leichtman. 2,618,130, Nov. 18.
Ice pack formed of vinyl plastic sheeting. M. Rosenthal and J. Robinson. 2,589,577, Mar. 18.
Ice shaving machine. C. E. Lennon, Jr., and W. C. Kiser. 2,606,720, Aug. 12.
Ice sizing machine. H. A. Lehman and J. A. and W. W. Bateman. 2,600,508, June 17.
Ice spur. C. L. Penney. 2,618,079, Nov. 18.
Ice stage, Sectionalized portable. I. A. Thorns. 2,615,308, Oct. 28.
Ice tray. M. K. Buchanan. 2,599,972, June 10.
Ice tray cube lifter. P. Ezba. 2,619,807, Dec. 2.
Icing composition and making. H. P. Latham, W. E. Barch, H. K. Steele, and L. Zuckerman. 2,607,693, Aug. 19.
Icing machine. H. O. McLain. 2,587,872, Mar. 4.
Icing machine. H. O. McLain and A. L. Biatti. 2,602,303, July 8.
Icing machine, Container. W. W. Bateman. 2,607,520, Aug. 19.
Identification and recording roller. W. P. Osgood. 2,599,279, June 3.
Identification assembly unit. D. H. Bowder. 2,613,466, Oct. 14.
Identification card. N. Whitehead. 2,588,067, Mar. 4.
Identification keyer. C. J. Kennedy. 2,622,145, Dec. 16.
Identification means for stranded cables. E. C. Cripe. 2,594,610, Apr. 29.
Identification tape and making same. H. T. Critchlow, Jr., and J. J. Mareckl. 2,598,892, June 3.
Identifying marker using dichromatic material. F. C. Brewster. 2,619,932, Dec. 2.
Identifying radioactive compounds. A. J. Dempster 2,599,166, June 3.
Idler roller assembly. W. C. Steinmetz. 2,618,519, Nov. 18.
Idler rollers, Making one-piece. W. C. Steinmetz. 2,593,069, Apr. 15.
Igneous electrolysis cell. J. Grolée. 2,593,751, Apr. 22.
Igniter. G. Lewin. 2,605,441, July 29.
Igniter for matches. R. A. Tombs. 2,604,390, July 22.
Igniter for oil burners. H. L. Finley. 2,594,412, Apr. 29.
Ignition and control system for fuel burners. M. J. Caparone. 2,607,406, Aug. 19.
Ignition apparatus. J. T. Fitzsimmons. 2,610,264, Sept. 9.
Ignition apparatus. R. P. McClelland and W. E. Kishbaugh. 2,624,018, Dec. 30.
Ignition circuit. J. D. Kleis. 2,586,962, Feb. 26.
Ignition composition. C. P. Spaeth and C. P. Williams. 2,607,672, Aug. 19.
Ignition control. J. J. Mascuch and M. F. Peters. 2,621,312, Dec. 9.
Ignition control and alarm system. W. W. Smith. 2,583,752, Jan. 29.

Ignition control mechanism. N. V. and F. A. Di Lorenzo. 2,585,749, Feb. 12.
Ignition device. F. Cajumi. 2,593,978, Apr. 22.
Igniting device. E. A. Randall. 2,592,951, Apr. 15.
Ignition device. S. M. Udale. 2,596,830, May 13.
Ignition device for arc lamps. P. E. C. Nuquet. 2,591,594, Apr. 1.
Igniting device for smudge pots. S. R. Crockett. 2,601,098, June 17.
Ignition distributor drive for attachment to internal-combustion engine cam shafts. S. L. Jerome. 2,618,165, Nov. 18.
Ignition point with protecting means. A. W. Westfall. 2,619,555, Nov. 25.
Ignition switch controlled safety device. V. H. Hay and W. J. Armfield. 2,618,693, Nov. 18.
Ignition system. H. E. Brunelle, Jr. and L. S. Molde. 2,602,149, July 1.
Ignition system. B. H. Short. 2,616,065, Oct. 28.
Ignition system. T. Tognola. 2,589,164, Mar. 11.
Ignition system, Dual plug. E. W. Lautenberger. 2,590,778, Mar. 25.
Ignition system for internal-combustion and like engines. E. G. Mackay. 2,612,887, Oct. 7.
Ignition system for internal-combustion engines. G. R. Hofmann. 2,587,847, Mar. 4.
Ignition timing device for internal-combustion engines, including distributor rotating and locking means. L. Rider. 2,615,929, Oct. 28.
Illuminated automobile license plate holder. A. Valente. 2,622,356, Dec. 23.
Illuminated combined optical mirror signal device for vehicles and the like. A. Gazda. 2,600,751, June 17.
Illuminated display. H. E. Rhoads. 2,619,752, Dec. 2.
Illuminated electric outlet fixture. E. W. Sherrard. 2,612,597, Sept. 30.
Illuminated indicator. G. Zindel, Jr. 2,601,841, July 1.
Illuminated key holder. G. Langhout. 2,618,736, Nov. 18.
Illuminatel level. W. W. Arnold. 2,607,882, Aug. 19.
Illuminated level. F. D. Coombs. 2,615,122, Oct. 21.
Illuminated license plate holder. J. C. Marsala. 2,608,013, Aug. 26.
Illuminated multiscale dial structure. L. G. Malheiros and L. E. Moncrief. 2,619,068, Nov. 25.
Illuminated panel. C. N. Sblenker. 2,594,081, Apr. 22.
Illuminated sign. J. A. Porter. 2,604,711, July 29.
Illuminated speculum. H. S. Rubens and I. Suwa. 2,592,190, Apr. 8.
Illuminated toy vehicle. A. D. Starr. 2,599,208, June 3.
Illuminated wall bracket. W. J. Stepien. 2,596,614, May 13.
Illuminating a microscope dark field with light in contrasting colors. K. A. Fischer. 2,594,757, Apr. 29.
Illuminating device for inspection of contents of bottles. P. K. Wehmiller and W. J. Nekola. 2,596,452, May 13.
Illuminating device for instrument panels. J. M. Roper and T. O. Twist. 2,614,205, Oct. 14.
Illuminating device for motion-picture projecting or viewing apparatus. G. Sabol, Jr., and M. Sabol. 2,589,437, Mar. 18.
Illuminating device for tank trucks. W. J. Tamminga. 2,582,659, Jan. 15.
Illuminating means for instrument dials. M. M. Triplett. 2,606,277, Aug. 5.
Illuminating projectile. L. P. Frieder and W. S. Finken. 2,604,849, July 29.
Illuminated support with liquid-holding pan. J. E. Fredin. 2,611,856, Sept. 23.
Illuminating system for paintings and the like. W. E. Cox. 2,615,121, Oct. 21.
Illuminating the dial of a manually set automatic transmission. E. J. Sullivan. 2,593,810, Apr. 22.
Illumination apparatus for warning and signaling purposes and control. A. C. Heehler. 2,607,839, Aug. 19.
Illumination for ice skating rinks. O. F. Johnson. 2,587,855, Mar. 4.
Image-converting device. G. S. P. Freeman. 2,587,830, Mar. 4.
Image dissector tube. B. M. Oliver. 2,580,697, Jan. 1.
Image intensifier tube. J. W. Coltman and R. L. Longini. 2,606,299, Aug. 5.
Image-receiving photographic element combined with a processing container. E. H. Land. 2,612,449, Sept. 30.
Image recording apparatus. H. E. Haynes. 2,613,264, Oct. 7.
Image transmission system. D. Kiels and M. V. Tol. 2,582,135, Jan. 8.
Imbibition printing using disazo dye. J. M. Andreas. 2,583,076, Jan. 22.
Imidazolidinethiones. M. D. Hurwitz and R. W. Auten. 2,613,211, Oct. 7.
Imidazolidone derivatives. M. D. Hurwitz and R. W. Auten. 2,613,212, Oct. 7.
Imidazolinylalkyl ethers of pyridylcarbinols. N. Sperber, D. Papa, and E. Schwenk. 2,580,475, Jan. 1.
Imidazolones and producing the same. M. W. Goldberg and H. H. Lehr. 2,602,799, July 8.
Iminodibenzyl derivative. F. Häfliger and W. Schindler. 2,616,895, Nov. 4.
Imino-substituted esters of dithio-carbamic acids. R. A. Mathes. 2,608,575, Aug. 26.
Imitation pearls, Manufacture of. A. J. J. Poelman. 2,622,042, Dec. 16.
Immersion heater. C. Bellucci. 2,589,473, Mar. 18.
Immersion type washer and liquid agitating means therefor. J. J. Palotsee. 2,619,100, Nov. 25.
Impact attachment for wheel lug wrenches. P. H. Nash. 2,600,796, June 17.
Impact bar assembly for impeller breakers. F. P. Unti, J. T. Potts, and A. C. Ensign. 2,588,434, Mar. 11.
Impact drill apparatus. H. P. Burrell. 2,593,532, Apr. 22.
Impact fuse for rocket projectiles. R. Apothéloz. 2,619,905, Dec. 2.
Impact indicator for containers. J. P. Kerrigan. 2,601,440, June 24.
Impact plating. N. C. Parrish. 2,618,572, Nov. 18.
Impact pulverizing apparatus having fluid jets firing toward a common point. A. J. Fisher. 2,587,609, Mar. 4.
Impact pulverizing mill, including both cooling and vacuum means. R. Pianiol. 2,609,993, Sept. 9.
Impact reducing means for mucking machines. A. R. Biedess. 2,582,954, Jan. 22.
Impact rotor for stone breakers. L. H. Kessler. 2,585,943, Feb. 19.
Impact switch. J. F. Kendrick. 2,584,028, Jan. 29.
Impact tool. E. R. Whitledge. 2,580,631, Jan. 1.
Impact tool C. D. Williams. 2,587,944, Mar. 4.
Impact type clutch. W. G. Mitchell. 2,585,486, Feb. 12.
Impact type clutch. P. E. Schmid. 2,580,607, Jan. 1.
Impact wrench. C. E. Fitch. 2,600,495, June 17.
Impaling pin target. L. W. Schoenherr. 2,591,016, Apr. 1.
Impedance-matching and standing-wave-ratio measuring system. E. N. Phillips. 2,615,958, Oct. 28.
Impedance matching apparatus. F. L. Macaluso. 2,615,947, Oct. 28.
Impedance matching device for wave guide junctions. S. Sensiper, R. B. Muchmore, and J. V. Hupcey. 2,584,162, Feb. 5.
Impedance measuring apparatus. E. T. Jaynes. 2,595,675, May 6.
Impedance measuring device. B. Secker. 2,617,857, Nov. 11.
Impedance meter. W. Selove. 2,592,750, Apr. 15.
Impedance testing apparatus. H. F. Blair. 2,609,419, Sept. 2.
Impedance transformer. J. M. van Hofweegen and M. J. O. Strutt. 2,584,068, Jan. 29.
Impedance transformer, Adjustable. J. M. van Hofweegen and K. S. Knol. 2,591,980, Apr. 8.
Impeller blade support fixture. P. T. Angell and C. J. Leaka. 2,612,082, Sept. 30.
Impeller mounting. B. H. Brown. 2,581,834, Jan. 8.
Impeller trough milling machine and method. H. R. De Vileg and P. T. Angell. 2,585,920, Feb. 19.
Implement, Agricultural. J. L. Hipple. 2,581,533, Jan. 8.
Implement, Agricultural. A. J. Milla. 2,591,851, Apr. 8.
Implement and coupling therefor, Reversible. C. B. Richey. 2,606,417, Aug. 12.
Implement and marker, Tractor-mounted. F. E. Hand and W. O. Graham. 2,584,200, Feb. 5.
Implement attaching structure. L. H. Kaupke. 2,593,679, Apr. 22.
Implement attaching structure for tractors. J. R. Orelind. 2,593,692, Apr. 22.
Implement attachment for tractors. H. Dotson. 2,619,018, Nov. 25.
Implement control for tractor-connected implements. R. D. Acton. 2,611,305, Sept. 23.
Implement, Crown cap removing and retaining. J. Belpedio. 2,593,091, Apr. 15.
Implement draft connection. W. J. Coultas and R. L. Dort. 2,592,866, Apr. 15.
Implement, Earth handling. R. R. Harmon and J. T. Michie. 2,582,032, Jan. 8.
Implement for applying spread to foodstuffs, Culinary. V. A. Amorino and L. C. Bizzarro. 2,581,745, Jan. 8.
Implement for buttering corn. H. Gustafson. 2,606,364, Aug. 12.
Implement for removing indentations from putting greens. M. T. Coelho. 2,585,298, Feb. 12.
Implement frame construction. A. B. Abel. 2,585,208, Feb. 12.
Implement frame lift, Level maintaining. E. Peterson. 2,595,289, May 6.
Implement, Frangible frame all-purpose farm. A. H. Stockmar. 2,588,585, Mar. 11.
Implement hitch for tractors. G. L. Devereaux. 2,590,385, Mar. 25.
Implement lift and ungear system. C. C. Haas. 2,603,172, July 15.
Implement mount for tractors, Front end. I. W. Terry. 2,581,731, Jan. 8.
Implement mounting for tractors, Three-point front. J. E. Bywater and R. F. Hale. 2,608,924, Sept. 2.
Implement, Nut-cracking. M. T. Goble. 2,588,979, Mar. 11.
Implement, Smoking. L. N. Sobel. 2,585,696, Feb. 12.
Impregnated carbon brushes, Producing. M. F. and A. B. Peters. 2,599,582, June 10.
Impregnated cellulose and cellulose esters therefrom, Preparation of. J. C. Thomas. 2,585,516, Feb. 12.
Impregnated cleaning pad and impregnating same. J. R. Fisher, Jr. 2,621,355, Dec. 16.

Impregnated electrical condenser. D. A. McLean. 2,615,955, Oct. 28.
Impregnating wood with soluble arsenical compounds. V. Ettel. 2,590,162, Mar. 25.
Impregnation. R. P. Koehring. 2,606,831, Aug. 12.
Impregnation of absorbent material. W. A. McMillan. 2,581,685, Jan. 8.
Impression control means in address printing machines. E. Ostwaldt. 2,616,363, Nov. 4.
Impression device for making dentures. R. L. Gorsky and D. R. Illing. 2,597,929, May 27.
Impression length varying means for rotary offset printing machines. C. W. Harrold. 2,619,901, Dec. 2.
Impression-taking in relining dentures. B. D. Randall. 2,617,193, Nov. 11.
Impression tray and matrix clamp, Combination. L. H. Stone. 2,622,324, Dec. 23.
Imprint machine. C. L. Downey. 2,620,728, Dec. 9.
Imprinting machine for china. M. Mann. 2,603,148–9, July 15.
Improved dowel stock and dowel pins, Making. P. A. Rahaim. 2,612,195, Sept. 30.
Improved method for polymerizing vinyl acetate in tertiary butyl alcohol. L. M. Minsk and E. W. Taylor. 2,582,055, Jan. 8.
Improved polymerizable unsaturated alkyd compositions, Preparation of. D. E. Cordier. 2,623,030, Dec. 23.
Improved sulfidic pigments, Preparing. J. J. O'Brien. 2,605,167, July 29.
Improvement of color and color stability of saturated fatty acids. D. E. Terry and D. T. Warner. 2,583,028, Jan. 22.
Improving alkali-soluble acid-precipitable vegetable protein. P. L. Julian, S. J. Circle, and R. T. MacDonald. 2,588,392, Mar. 11.
Improving alkaline clay soils and method of manufacture, Means for. C. Paoloni and A. Eusepi. 2,623,819, Dec. 30.
Improving coffee flavor. E. P. Haney. 2,588,922, Mar. 11.
Improving lubricants and lubricating oil additives. E. C. Hughes and J. D. Bartleson. 2,587,621, Mar. 4.
Improving magnesium and the binary magnesium-base alloy of magnesium and manganese. J. K. Haney and R. K. Paddock. 2,620,270, Dec. 2.
Improving the adhesion of organopolysiloxanes to solid surfaces. R. Smith-Johannsen. 2,601,337, June 24.
Improving the color of fats and fatty oils by treatment with chlorine dioxide. E. R. Woodward. 2,592,226, Apr. 8.
Improving the definition in the presentation of intensity modulated cathode-ray tubes. S. L. Reiches. 2,602,909, July 8.
Improving the quality of naphthenic acids. J. Prophet, Jr. 2,581,139, Jan. 1.
Impulse-actuated program device. R. B. Johnson. 2,580,787, Jan. 1.
Impulse counter. E. W. Cowan. 2,618,766, Nov. 18.
Impulse counting relay and system therefor. T. P. Farkas. 2,610,242, Sept. 9.
Impulse coupling. J. J. Piekarski and J. L. Baillargeon. 2,622,215, Dec. 16.
Impulse delay apparatus. C. H. Hoeppner. 2,589,254, Mar. 18.
Impulse generator. F. Christensen. 2,622,136, Dec. 16.
Impulse generator. E. H. Hugenholtz. 2,591,940, Apr. 8.
Impulse group keying system. A. A. Varela. 2,593,504, Apr. 22.
Impulse metering device. E. Podskalsky. 2,588,287, Mar. 4.
Impulse regulator assembly. A. S. Soberg. 2,622,536, Dec. 23.
Impulse remote control system. F. H. Osborne and J. H. Riggs. 2,604,531, July 22.
Impulse repeater for metered automatic telephone service. H. L. Horwitz. 2,597,869, May 27.
Impulse-sender. C. A. Lovell and D. B. Parkinson. 2,603,718, July 15.
Impulse sender with relay distributor. H. E. Hill and D. B. Parkinson. 2,598,695, June 3.
Impulse testing and test impulse generating set. W. W. Fritschi. 2,582,691, Jan. 15.
Incandescent electric lamp. W. B. Gero. 2,605,440, July 29.
Incandescent lamp. P. O. Cartun. 2,605,446, July 29.
Incandescent lamp. J. L. Kivari. 2,587,169, Feb. 26.
Incendiary bomb. R. B. Epler and D. L. Woodberry. 2,586,801, Feb. 26.
Incendiary gels. L. F. Fieser. 2,606,107, Aug. 5.
Incinerating unit, Garbage. F. C. Toepel. 2,592,491, Apr. 8.
Incinerator. R. E. Zahn. 2,616,378, Nov. 4.
Incinerator for medical waste. R. Goder. 2,616,379, Nov. 4.
Incinerator, Garbage and refuse. E. J. Weggel. 2,608,943, Sept. 2.
Incinerator, Kitchen cabinet. G. L. C. Earle. 2,584,382, Feb. 5.
Incinerator, Kitchen cabinet. V. A. O'Brien. 2,598,067, May 27.
Incinerator, Mobile. J. B. Brandt, H. J. Kelly and J. J. Burns. 2,601,657, June 24.
Inclined axis rotatable drum concrete mixing apparatus. C. I. Longenecker. 2,611,591, Sept. 23.
Inclined melter furnace and melting glass. R. R. Rough. 2,593,197, Apr. 15.
Inclined-railway safety car. G. S. Jenkins and C. C. Conway. 2,617,499, Nov. 11.
Inclined underfeed riveting machine with magnetic anvil. G. B. Cranor. 2,613,009, Oct. 7.
Inclinometer for boreholes. A. B. Hildebrandt. 2,614,334, Oct. 21.
Incomplete key depression key latch mechanism. J. Hmelewsky. 2,594,772, Apr. 29.
Incorporating lettering in printed color reproductions. H. E. Alexander and C. F. Cook. 2,605,181, July 29.
Incorporating rosin acid in polymeric materials. J. E. Troyan and L. R. Sperberg. 2,608,541, Aug. 26.
Increasing adhesion of coatings to deep-fat fried foods. Z. Block, G. J. Rosner, and A. H. Goodman. 2,615,811, Oct. 28.
Increasing drilling fluid viscosity. V. G. Meadors. 2,599,342, June 3.
Increasing fluidity of material, Method and apparatus for. J. Eisner. 2,609,185, Sept. 2.
Increasing number of holes in apertured metal screens. G. K. Teal. 2,596,617, May 13.
Increasing the mechanical stability of formaldehyde-preserved natural rubber latex. E. M. Bevilacqua. 2,587,278–81, Feb. 26.
Increasing the melting point of petrolatums and products resulting therefrom. L. Schmerling. 2,598,724, June 3.
Increasing the permeability of oriented silicon steels. M. F. Littmann and J. E. Heck. 2,599,340, June 3.
Increasing the productivity of oil wells. E. V. Watts and H. Folda, Jr. 2,585,522, Feb. 12.
Increasing the traction of vehicle tire treads, Method and apparatus for. H. W. Furnald. 2,623,591, Dec. 30.
Increasing the volume of shredded tobacco. F. J. Sowa. 2,596,183, May 13.
Incubator and hatcher. G. T. Markey. 2,603,182, July 15.
Incubator equipment, Infant. S. Y. Gibbon. 2,598,532, May 27.
Independent actuator tens-transfer mechanism. C. Herzstark. 2,588,835, Mar. 11.
Independent front wheel suspension coupled as a unit to the vehicle frame. F. F. Kishline, R. H. Phelps and J. S. Voigt. 2,611,625, Sept. 23.
Independently operable multiple window structure. R. S. Strand. 2,598,619, May 27.
Index and signal. C. F. Wolters. 2,616,430, Nov. 4.
Index device. C. E. Jones. 2,603,219, July 15.
Index fixture. M. L. Benjamin and F. E. Winnen. 2,600,960, June 17.
Index system, Alphabetic. M. den Outer. 2,584,193, Feb. 5.
Index tab. G. J. Aigner. 2,600,825, June 17.
Index tab. L. E. Auckley. 2,597,426, May 20.
Index tab. C. E. Jones. 2,601,026, June 17.
Index tab, Self-attaching. J. C. Condon. 2,623,311, Dec. 30.
Indexing and drive mechanism. S. J. Gartner and P. G. Pilkinton. 2,588,977, Mar. 11.
Indexing apparatus. T. E. Mead. 2,618,982, Nov. 25.
Indexing chuck. F. Hunziker. 2,596,484, May 13.
Indexing chuck. F. Hunziker. 2,621,937, Dec. 16.
Indexing device. F. W. Riedel. 2,610,551, Sept. 16.
Indexing fixture, Rotary. A. H. Pearson. 2,585,828, Feb. 12.
Indexing grinding fixture. R. Stegall. 2,596,304, May 13.
Indexing mechanism. M. H. Emrick. 2,589,486, Mar. 18.
Indexing mechanism. R. D. Rumsey. 2,607,237, Aug. 19.
Indexing mechanism for machine tools. C. S. Lee. 2,613,428, Oct. 14.
Indexing plunger assembly for jig saws or the like. W. L. Van Dam. 2,601,877, July 1.
Indexing system. R. A. Bratton. 2,610,062, Sept. 9.
Indexing system. M. K. Lingle. 2,606,043, Aug. 5.
Indexing table. R. A. Schultz. 2,622,487, Dec. 23.
Indexing turret, Tool-holding. J. A. Howard. 2,596,482, May 13.
Indicating and control mechanism for electric heating units. R. G. Sheidler. 2,607,870, Aug. 19.
Indicating and recording device. R. K. Abrams. 2,622,899, Dec. 23.
Indicating and setting mechanism for machine tools. R. C. Montanus. 2,584,360, Feb. 5.
Indicating apparatus. D. A. Alsberg and R. P. Muhlsteff. 2,622,127, Dec. 16.
Indicating apparatus. J. I. Kern. 2,603,702, July 15.
Indicating apparatus. J. I. Kern. 2,617,870, Nov. 11.
Indicating apparatus. G. A. Lasko. 2,616,941, Nov. 4.
Indicating changes in the composition of a gas. T. D. Morgan. 2,582,647, Jan. 15.
Indicating comparator having pivoted jaws. S. G. Johnson. 2,611,970, Sept. 30.
Indicating device. G. E. Hulstede. 2,609,422, Sept. 2.
Indicating device for closed tanks. T. C. Smith. 2,615,336, Oct. 28.
Indicating device for displaying variable information. A. R. Jackson. 2,608,012, Aug. 26.

Indicating device for periodical measurings. R. Aeberhard. 2,584,778, Feb. 5.
Indicating device for radioactivity intensity. E. J. Groth, Jr. 2,592,410, Apr. 8.
Indicating device for regulation of timepieces. E. E. Wiford. 2,589,467, Mar. 18.
Indicating device on cash registers. A. Klaar. 2,598,270, May 27.
Indicating frequency by resonance of charged particles. J. A. Rajchman. 2,598,301, May 27.
Indicating handgrip. V. Calabrese. 2,594,121, Apr. 22.
Indicating instrument. C. E. Barkalow. 2,608,001, Aug. 26.
Indicating means for thermostatic devices. R. C. Main. 2,607,533, Aug. 19.
Indicating pocket ionization chamber. J. A. Victoreen. 2,587,254, Feb. 26.
Indicating protective cover for pipe flanges and valves. M. F. Smith and E. S. Smith, Jr. 2,601,840, July 1.
Indicating stylet needle. W. M. Shaw. 2,623,521, Dec. 30.
Indicating system. L. R. Foote and W. L. O. Graves. 2,614,160, Oct. 14.
Indicating system. D. G. C. Luck. 2,585,565, Feb. 12.
Indicating the maximum of a plurality of conditions. K. J. Knudsen. 2,593,897, Apr. 22.
Indicating vent plug for electric storage batteries. C. L. Keller. 2,610,221, Sept. 9.
Indicator: *See*—
Airplane pressure differential stall indicator.
Air-speed indicator.
Attitude indicator.
Automatic rebalance signal indicator.
Automatic spark advance indicator.
Average speed indicator.
Axial flow turbine oil line flow indicator.
Battery liquid level indicator.
Cable tension indicator.
Cam actuated rotary indicator.
Cathode-ray indicator.
Cobalt chloride humidity indicator.
Currency denomination indicator.
Current production, sales, inventory, or like indicator.
Decimal indicator.
Dial indicator.
Dial scale indicator.
Direction indicator.
Distortion indicator.
Dose time indicator.
Earth strata cutting indicator.
Edge finding indicator.
Electric motor load indicator.
Electrically operated liquid level indicator.
Electronic air flow indicator.
Electronic indicator.
Engine performance indicator.
Fission indicator.
Flashover indicator.
Flat tire indicator.
Flow indicator.
Fluid level indicator.
Fluid pressure indicator.
Frequency difference indicator.
Full-view concentric indicator.
Funnel guide alignment indicator.
Ground speed indicator.
Gyroscopic direction indicator.
Horsepower indicator.
Humidity indicator.
Hydraulic torque indicator.
Illuminated indicator.
Light controlled channel deviation indicator.
Limit load strain indicator.
Liquid indicator.
Liquid level indicator.
Load stroke indicator.
Load weight indicator.
Measuring and marking height indicator.
Micrometer depth indicator.
Mileage lubrication indicator.
Motor vehicle oil level indicator.
Multiport water level indicator.
Nutrition indicator.
Oil and oil filter condition indicator.
Overflow indicator.
Pie and cake division indicator.
Pit-level indicator.
Plural scale indicator.
Poise error indicator.
Polarity indicator.
Power failure indicator.
Pressure indicator.
Pulse echo distance indicator.
Quality control indicator.
Radio echo moving target indicator.
Radio receiver tuning indicator.
Range height indicator.
Remote water level indicator.
Resonance indicator.
Route indicator.
Standing wave ratio indicator.
Subway and train seat indicator.
Surface test indicator.
Synchro overload indicator.
Taper control indicator.
Television tuning indicator.
Temperature compensation magnetometer indicator.
Thaw indicator.
Tire pressure indicator.
Tire safety indicator.
Train approach indicator.
Tuning indicator.
Turn indicator.
Typewriter page end indicator.
Universal indicator.
Valve indicator.
Valve position indicator.
Variable number indicator.
Vehicle light indicator.
Vehicle position indicator.
Velocity and direction indicator.
Vibration or impact indicator.
Visual electron flow indicator.
Weight and balance indicator.
Winding indicator.
Indicator. J. A. Klopf. 2,591,555, Apr. 1.
Indicator. S. N. Van Voorhis. 2,594,870, Apr. 29.
Indicator and controller for aircraft, Blind landing. O. E. Esval. 2,613,050, Oct. 7.
Indicator and recorder, Insulation breakdown. R. Gunn. 2,586,815, Feb. 26.
Indicator and signal for typewriters, End of page. T. Bader. 2,599,085, June 3.
Indicator and space counter for printing machines, Sheet-end. P. F. Guerin. 2,607,465, Aug. 19.
Indicator and stop for magnetic wire recorders. H. Nygaard. 2,611,550, Sept. 23.
Indicator and strainer for refrigerating systems, Liquid. R. S. Graves and D. B. Geiger, Jr. 2,608,301, Aug. 26.
Indicator board. B. Stockdeth and L. R. M. Osborne. 2,584,511, Feb. 5.
Indicator dial operating mechanism. R. N. Knosp, C. E. Linden, and F. O. Wetzel. 2,592,433, Apr. 8.
Indicator for alternating electric current transformers. S. A. Stevens. 2,613,260, Oct. 7.
Indicator for automotive vehicles, Grade. W. B. Mueller. 2,609,616, Sept. 9.
Indicator for boring machines, Electrically controlled depth. G. H. Connors. 2,607,834, Aug. 19.
Indicator for cabinets. W. F. Florence. 2,586,930, Feb. 26.
Indicator for cooking ranges. C. M. Mayer. 2,607,316, Aug. 19.
Indicator for electric cooking ranges. R. G. Shiedler. 2,607,873, Aug. 19.
Indicator for electric ranges. R. G. Shiedler. 2,607,874–5, Aug. 19.
Indicator for engine radiators, Water level. A. M. Thurmond and D. V. Thorne. 2,616,295, Nov. 4.
Indicator for frequency shift telegraphy, Tuning. B. A. Trevor. 2,613,271, Oct. 7.
Indicator for garages, Warning. H. H. Grossenbach. 2,583,835, Jan. 29.
Indicator for hydraulic rams. W. G. Toland. 2,589,896, Mar. 18.
Indicator for micrometer calipers. A. C. Brown. 2,599,971, June 10.
Indicator for motor vehicles, Mileage service. M. M. Merritt and J. W. Dadisman. 2,589,623, Mar. 18.
Indicator for precision machine tools, Adjustment. L. J. Mathson. 2,612,697, Oct. 7.
Indicator for radio apparatus, On-off. A. H. Haun. 2,590,314, Mar. 25.
Indicator for radio receivers, Electronic tuning. J. H. van Wageningen. 2,606,290, Aug. 5.
Indicator for simulated dice games, Electrically operable. M. S. Fortner. 2,588,817, Mar. 11.
Indicator for stove valves, Adjustable. H. M. Reeves. 2,599,780, June 10.
Indicator for telephone switchboards. J. F. Welch. 2,615,006, Oct. 21.
Indicator for the blind. J. B. Walker. 2,582,728, Jan. 15.
Indicator for the travel of movable machine parts, Amplifying. C. W. Berthiez. 2,604,700, July 29.
Indicator for typewriters, Page end. P. R. Thomas. 2,586,489, Feb. 19.
Indicator label. H. Friedler. 2,587,989, Mar. 4.
Indicator light for control switches. I. R. Latta. 2,588,129, Mar. 4.
Indicator setting mechanism operable by means of character comparisons. J. C. Marshall and J. J. Connolly. 2,609,439, Sept. 2.
Indicator tube and circuit therefor, Three-dimensional. F. S. Howell. 2,604,607, July 22.
Indicator-type adapter for battery cell caps. R. C. Castlen. 2,600,732, June 17.
Indicator with audible circuit testing prod, Potential. C. B. Fowler. 2,586,806, Feb. 26.
Indicator with swingable arrow, Direction. H. B. McCaine. 2,604,524, July 22.
Indicia retaining means for timepiece dials. A. Flückiger. 2,606,418, Aug. 12.
Indirectly heated cathode structure. E. K. Smith. 2,605,432, July 29.
Individual magnet adjustable pickup. H. De Armond. 2,612,072, Sept. 30.
Individual vertical-type fuel-burning heater. W. G. Carter. 2,591,235, Apr. 1.
Individual wheel suspension, including caster and camber adjusting means. J. H. Booth and B. E. Ricks. 2,605,118, July 29.
Individually matched bead supports for coaxial cables. E. Weber and J. W. E. Griemsmann. 2,623,122, Dec. 23.
Individually swingable driven axle. C. Bretschneider. 2,612,231, Sept. 30.
Indoor marble playing ring. W. A. Kennon. 2,621,931, Dec. 16.
Induced voltage flaw detector. H. E. Van Valkenburg. 2,617,854, Nov. 11.
Inducing growth of dormant woody plants. F. E. Denny. 2,594,135, Apr. 22.
Inductance-capacitance resonance circuit. H. B. Rex. 2,611,094, Sept. 16.
Inductance coil with ceramic form for high-frequency. H. G. Kehbel. 2,583,854, Jan. 29.
Inductance device. K. F. Kirchner. 2,609,531, Sept. 2.
Inductance type pick-off. V. R. Kimball and R. T. Malorany. 2,600,546, June 17.
Induction accelerator for electrons. A. Bierman. 2,617,026, Nov. 4.
Induction coil mounting. C. C. Schörg. 2,623,081, Dec. 23.

Induction hardening fixture. F. J. Groven. 2,596,770, May 13.
Induction heat treating. R. S. Neidigh. 2,583,227, Jan. 22.
Induction heating. I. Beckius and H. Lindström. 2,599,086, June 3.
Induction heating. N. E. Foxx. 2,620,432, Dec. 2.
Induction heating unit. C. A. Anderson. 2,618,734, Nov. 18.
Induction metal melting furnace. K. A. Lang. 2,610,218, Sept. 9.
Induction motor control system. A. M. MacCallum and W. Hargreaves. 2,608,676, Aug. 26.
Induction pouring furnace. L. W. Bahney. 2,586,596, Feb. 19.
Induction stirrer. E. Ladell. 2,620,366, Dec. 2.
Induction voltage regulator. H. R. West and M. E. Sayles. 2,612,635, Sept. 30.
Inductive railway train communication system. A. J. Sorensen. 2,614,209, Oct. 14.
Inductive train communication system. A. J. Sorensen. 2,591,022, Apr. 1.
Inductively coupled compensator. E. Toth. 2,587,667, Mar. 4.
Inductor alternator. S. F. Stewart and A. D. Gilchrist. 2,588,175, Mar. 4.
Inductor leveling switch. J. H. Borden. 2,598,214, May 27.
Industrial and papermaker's felt. P. T. Gates. 2,581,790, Jan. 8.
Industrial and papermakers' felt and producing the same. P. T. Gates. 2,588,228, Mar. 4.
Industrial bath furnace. B. Allert. 2,615,702, Oct. 28.
Industrial cabinet. A. Restivo. 2,620,251–2, Dec. 2.
Industrial gases containing carbon monoxide and hydrogen, Production of. E. S. Corner and C. S. Lynch. 2,607,660, Aug. 19.
Industrial gases containing carbon monoxide and hydrogen, Production of. E. S. Corner, R. V. J. McGee, and C. S. Lynch. 2,607,668, Aug. 19.
Industrial lift-truck apparatus. V. C. Belt. 2,618,396, Nov. 18.
Industrial liquid cooler automatic liquid level control. C. L. Ash. 2,590,061, Mar. 18.
Industrial process and apparatus. L. D. Jones. 2,599,331, June 3.
Industrial wool from solid stock, Manufacture of. W. E. Shotton. 2,609,850, Sept. 9.
Inert gas arc welding electrode. J. D. Cobine. 2,586,516, Feb. 19.
Inert gas shielded arc welding method. G. J. Gibson and G. R. Rothschild. 2,591,926, Apr. 8.
Inert gas welding torch. J. P. Morrissey. 2,612,584, Sept. 30.
Inertia brake. P. Serednicky and G. T. Jarrett. 2,592,751, Apr. 15.
Inertia-operated switch. W. E. Nordmark, J. A. Miller, and N. C. Poel. 2,596,427, May 13.
Inertia type vibratory pickup. J. A. Flint. 2,595,067, Apr. 29.
Inertial air cleaner and silencer. A. S. Chipley. 2,580,655, Jan. 1.
Infant milk bottle and food warmer. R. E. Mallory. 2,595,685, May 6.
Infant nasal feeding tube. H. Turkel. 2,596,947, May 13.
Infant restraining harness. A. G. and D. F. Day. 2,619,958, Dec. 2.
Infant's bathing and dressing stand. L. W. Schwartz. 2,584,744, Feb. 5.
Infant's feeding table. S. B. Novi. 2,588,754, Mar. 11.
Infant's restraining harness. E. D. Law. 2,623,678, Dec. 30.
Infant's toilet seat. H. B. Light. 2,612,210, Sept. 30.
Infinitely variable friction wheel gear. J. Beier. 2,623,396, Dec. 30.
Infinitely variable gear. W. Zwick. 2,608,871, Sept. 2.
Infinitely variable-gear for driving gun mounts. R. Stadelmann. 2,586,107, Feb. 19.
Inflatable aerial projection display device. J. J. Matelena. 2,592,444, Apr. 8.
Inflatable garment hanger. M. Freeman. 2,622,774, Dec. 23.
Inflatable head stay. R. D. Smith. 2,589,155, Mar. 11.
Inflation for milkers. T. W. Merritt and C. A. Thomas. 2,604,873, July 29.
Inflation for milking machines. T. W. Harris and R. B. Ingersoll. 2,621,626, Dec. 16.
Inflation valve. F. B. Allen. 2,595,218, May 6.
Inflation valve. F. Fenton. 2,600,862, June 17.
Infrared gas analyzing apparatus. A. E. Martin. 2,583,221, Jan. 22.
Infra-red gas analyzing apparatus. A. E. Martin. 2,605,426, July 29.
Infrared heating and cooking lamp. A. M. Hageman, E. A. Jenkins, and H. D. Fraser. 2,622,222, Dec. 16.
Infrared quenchable zinc sulfide phosphors. J. A. Markoski. 2,615,849, Oct. 28.
Infrared ray butter softener. E. F. Hubacker. 2,594,023, Apr. 22.
Infrared receiver. W. E. Buck. 2,623,183, Dec. 23.
Infrared spectrophotometer. H. H. Cary, R. C. Hawes, and K. P. George. 2,607,899, Aug. 19.
Infusible copolymeric vinylidene chloride composition. J. H. Reilly. 2,614,092, Oct. 14.
Ingot casting mold. J. Gombosh. 2,612,667, Oct. 7.
Ingot mold. J. A. Upper. 2,601,647, June 24.
Inhalant preparation. A. P. J. O'Grady. 2,598,823, June 3.
Inhalator. F. P. Priestly. 2,587,215, Feb. 26.
Inhalator, Drug. P. Arnow. 2,603,215, July 15.
Inhaler. O. J. Dufresne. 2,598,365, May 27.
Inhaler. A. Falcone. 2,609,817, Sept. 9.
Inhaler. M. R. Fields. 2,581,182, Jan. 1.
Inhaler. S. Miller and A. C. Emelin. 2,604,094, July 22.
Inhaler, Powder. G. V. Taplin and F. A. Bryan. 2,603,216, July 15.
Inhaler with closure. F. E. Brown. 2,590,832, Mar. 25.
Inherently processable interpolymers of vinyl chloride, a higher alkyl acrylate, and a mono-isoolefin. R. J. Wolf. 2,594,376, Apr. 29.
Inherently processable interpolymers of vinyl chloride, a higher alkyl acrylate, and an acrylic nitrile. R. J. Wolf and A. A. Nicolay. 2,608,552, Aug. 26.
Inhibiting carbonate bloom. R. E. Parry. 2,617,746, Nov. 11.
Inhibiting corrosion in oil wells. M. L. Lytle. 2,614,980–1, Oct. 21.
Inhibiting corrosion of aluminum chloride-hydrocarbon complex liquid in presence of HCl promoter with iodine compounds. W. F. Glassmire and W. R. Smith. 2,586,323, Feb. 19.
Inhibiting corrosion of steel by alkali solutions. G. W. Ayers, E. E. Harton and L. R. Mazurk. 2,617,713, Nov. 11.
Inhibiting foam. L. T. Monson. 2,622,069–70, Dec. 16.
Inhibiting foam formation in steam generation. L. O. Gunderson. 2,596,925, May 13.
Inhibiting foaming in steam generators. P. G. Bird and A. L. Jacoby 2,588,343, Mar. 11.
Inhibiting formation of self-propagating polymers during distillation by use of water-soluble nitrites. L. H. Johnstone, L. A. Webber, and J. J. Costolow. 2,613,175, Oct. 7.
Inhibiting hydrogen sulfide corrosion of metals. M. I. Moyer and J. M. Hersh. 2,596,273, May 13.
Inhibiting hydrogen sulfide corrosion of metals. M. I. Moyer and J. M. Hersh. 2,596,425, May 13.
Inhibiting hydrogen sulfide corrosion of metals. M. I. Moyer and J. M. Hersh. 2,602,779, July 8.
Inhibiting oxidation of O-heterocyclic compounds. A. W. C. Taylor. 2,617,810, Nov. 11.
Inhibiting peroxidation of tetrahydrofurfuryl alcohol. D. G. Jones and C. T. Y. Cowie. 2,617,811, Nov. 11.
Inhibiting polymerization during preparation of synthetic resin sheets. R. S. Taylor. 2,607,081, Aug. 19.
Inhibiting rusting. D. T. Rogers. 2,585,848, Feb. 12.
Inhibiting scale deposition. L. T. Monson. 2,589,195, Mar. 11.
Inhibition of oxidation in tin solutions. A. G. Gray. 2,585,902, Feb. 19.
Inhibition of polymerization of acrylonitrile. W. T. Nichols. 2,614,119, Oct. 14.
Inhibition of polymerization of acrylonitrile. C. J. Stehman. 2,607,795, Aug. 19.
Inhibitors against hydrogen sulfide and brine corrosion. M. G. Savoy. 2,593,057, Apr. 15.
Initial insert. S. Katcher. 2,617,222, Nov. 11.
Initial mounting. H. J. Le Blanc. 2,604,712, July 29.
Initial or insignia holder. S. Cohn. 2,598,507, May 27.
Initiating device for suspended explosive charges. W. G. Sweetman. 2,595,615, May 6.
Initiation by ammonia or amines of amino acid N-carboanhydride condensation polymerizaton. R. N. MacDonald. 2,592,447, Apr. 8.
Injectable penicillin preparations. W. G. Malcolm and J. J. Vance. 2,619,447, Nov. 25.
Injection device. J. H. Smoot. 2,605,763, Aug. 5.
Injection mixer. G. Friedmann. 2,623,474, Dec. 30.
Injection molding of polytrifluorochloroethylene. L. C. Rubin. 2,617,151, Nov. 11.
Injection pump. V. J. Jandasek. 2,580,785, Jan. 1.
Injection pump for internal-combustion engines. J. E. Witzky. 2,584,408, Feb. 5.
Injector. R. W. Ogle. 2,589,426, Mar. 18.
Injector and pump. F. Kovach. 2,602,702, July 8.
Injector for internal-combustion engines. B. Bischof. 2,592,111, Apr. 8.
Injector for medicaments. J. B. Miller. 2,620,797, Dec. 9.
Injector for powdered materials. A. R. Constantine. 2,598,227, May 27.
Injector mechanism. M. D. Martin. 2,609,500, Sept. 2.
Ink applicator for typewriter ribbons. O. W. Markes. 2,588,548, Mar. 11.
Ink, Ball point pen. S. Bernfeld and S. Scharfspits. 2,585,531, Feb. 12.
Ink, Ball point pen. A. M. Moos. 2,623,827, Dec. 30.
Ink feed and overflow collector means for fountain pens. M. S. Baker. 2,619,070, Nov. 25.
Ink fountain agitator. S. D. Forbes. 2,613,601, Oct. 14.
Ink fountain for printing presses, Sectional blade. H. W. Faeber. 2,583,640, Jan. 29.
Ink fountain, Magazine press. H. L. McWhorter. 2,623,461, Dec. 30.
Ink from tall oil modified alkyd resins, Printing. A. F. Schmutzler. 2,590,654, Mar. 25.

Ink pad. W. D. Robbins. 2,596,725, May 13.
Ink, Printing. C. G. Cutler. 2,621,130, Dec. 9.
Ink, Printing. M. R. May. 2,612,480, Sept. 30.
Ink, Printing. A. F. Schmutzler and D. F. Othmer. 2,606,123–4, Aug. 5.
Ink recordation on molding resinous articles. N. T. Baldanza. 2,619,679, Dec. 2.
Ink reservoir for lettering pens. C. M. Woodward. 2,586,898, Feb. 26.
Ink roller vibrator. H. L. McWhorter. 2,581,687, Jan. 8.
Inkstand and penholder. L. H. Ashmore. 2,616,395, Nov. 4.
Ink, Transfer. J. R. Ehrlich. 2,610,921, Sept. 16.
Ink transfer device. E. Garrahan. 2,595,070, Apr. 29.
Ink transfer ribbon. G. G. Neidich. 2,590,200, Mar. 25.
Inkwell. H. C. Klagges. 2,621,629, Dec. 16.
Inking arrangement for printing presses. H. L. McWhorter. 2,613,600, Oct. 14.
Inking device for typewriters. E. Cerceau. 2,600,156, June 10.
Inking mechanism. A. Dressel and T. H. Johnson. 2,622,523, Dec. 23.
Inking mechanism for printing machines. W. F. Huck. 2,590,538, Mar. 25.
Inking mechanism for printing presses. W. C. Rupp. 2,591,613, Apr. 1.
Inking mechanism for rotary lithographic presses. E. Bassist. 2,588,470, Mar. 11.
Inking ribbon for typewriters and the like. V. Flax. 2,581,585, Jan. 8.
Inking ribbon spool. E. M. Lippert. 2,600,409, June 17.
Inking roll and ink feed mechanism therefor. J. L. Carver. 2,590,507, Mar. 25.
Inking roller removal truck for newspaper printing presses. A. L. Inshaug. 2,585,325, Feb. 12.
Inlaid ophthalmic mounting method. F. W. Lindblom. 2,589,103, Mar. 11.
Inlay for molded plastic articles. J. W. Murray. 2,586,978, Feb. 26.
Inlaying sheet material and the products thereof. P. F. Skoog. 2,583,396, Jan. 22.
Inlet cannon with replaceable bearing shoe for billet-piercing mills. J. W. Kelso. 2,603,115, July 15.
Inlet fixture for liquid tanks. T. H. Swisher. 2,600,521, June 17.
Inner compartment for candy boxes. I. A. Deline. 2,605,039, July 29.
Inner form for concrete tank molds. E. J. Schuh, Sr. 2,623,259, Dec. 30.
Inner molds, Making. E. M. Crowell. 2,613,398, Oct. 14.
Inner tube construction. C. E. Snyder. 2,607,392, Aug. 19.
Inner tube for pneumatic tires and making. W. F. O'Neil. 2,592,724, Apr. 15.
Inner tube for tires. A. Eiras. 2,588,097, Mar. 4.
Inner tube tester. W. A. Bishman. 2,581,998, Jan. 8.
Inoculum for use in the fermentative production of sodium gluconate, Preparation of. R. H. Blom, V. E. Sohns, and A. J. Moyer. 2,594,283, Apr. 29.
Inorganic compounds of increased oxidation state, Producing. R. E. Cushing. 2,604,441, July 22.
Inorganic pigment. C. A. Kumins. 2,607,705, Aug. 19.
Inorganic rope impregnated with resin and coils blocked therewith. M. M. Fromm and J. S. Johnson. 2,602,829, July 8.
Inorganic sheet material. A. W. Brown. 2,620,851, Dec. 9.
Input loading compensation for vacuum tube amplifiers. M. T. Bagley. 2,602,864, July 8.
Insect catcher. G. Bennett. 2,604,723, July 29.
Insect collecting and destroying machine. O. Huseby. 2,617,229, Nov. 11.
Insect control with an hydrogenated naphthylamine. R. D. Englert, H. J. Gerjovich, and M. Pijoan. 2,582,375, Jan. 15.
Insect destroyer. E. H. Wright. 2,608,022, Aug. 26.
Insect repellent. N. L. Drake and C. M. Eaker. 2,581,840–2, Jan. 8.
Insect repellent. M. S. Newman and B. J. Magerlein. 2,588,407, Mar. 11.
Insect repellent device. F. J. Logan and O. A. Trawick. 2,606,065, Aug. 5.
Insect repellent ointment comprising hydrogenated rotenone and 2-amino-2 methyl-1,3-propanediol. R. W. Scanlan and H. R. Cunningham. 2,595,371, May 6.
Insect repellents. P. D. Bartlett and H. J. Dauben, Jr. 2,605,208, July 29.
Insect repellents. P. D. Bartlett and B. C. McKusick. 2,584,105, Feb. 5.
Insect repellents. N. L. Drake, C. M. Eaker, and W. J. Shenk. 2,605,207, July 29.
Insect repellents containing a chlorobutyroamide. O. W. Bauer and J. W. Teter. 2,587,957, Mar. 4.
Insect retriever. F. W. Zilinsky. 2,601,487, June 24.
Insect trap. E. N. McGrew. 2,606,391, Aug. 12.
Insecticidal composition comprising DDT pyrethrins, and piperonyl butoxide. L. C. McAlister, Jr. 2,600,668, June 17.
Insecticidal composition with a wheat dust carrier. G. B. Wagner. 2,585,356, Feb. 12.
Insecticidal compositions comprising a polychloro chloromethyl 2,5 endomethylene cyclohenene 3. A. R. Kittleson and A. H. Gleason. 2,587,484, Feb. 26.
Insecticidal compositions comprising fluorinated chlorinated cyclic terpenes. G. A. Buntin and A. D. Lohr. 2,594,526, Apr. 29.
Insecticidal compositions containing hydrocarbon esters of diethyl dithlophosphoric acid. J. H. Bartlett, H. W. Rudel and E. B. Cyphers. 2,611,729, Sept. 23.
Insecticidal compositions containing substituted aliphatic esters of diethyl dithiophosphoric acid. J. H. Bartlett. H. W. Rudel and E. B. Cyphers. 2,611,728, Sept. 23.
Insecticidal powder container and duster. J. Ambrose. 2,610,432, Sept. 16.
Insecticide. H. Bender. 2,623,838, Dec. 30.
Insecticide. V. Schneider. 2,589,150, Mar. 11.
Insecticide dispenser. G. Brown. 2,594,539, Apr. 29.
Insecticide dispenser. G. Brown. 2,597,775, May 20.
Insecticide disperser. R. D. Chisholm and W. C. Fest. 2,610,433, Sept. 16.
Insecticide spreading machine. J. M. Halt. 2,620,230, Dec. 2.
Insecticides. R. Cross. 2,581,174, Jan. 1.
Insert fastener. C. T. Koochembere. 2,584,133, Feb. 5.
Insert fitting. E. E. Rosecrans, Sr. 2,595,705, May 6.
Insert for handbags. A. Hall. 2,620,005, Dec. 2.
Insert for neckties. J. A. Hirsch. 2,580,914, Jan. 1.
Inserting machine, Bushing. E. N. Broden. 2,604,692, July 29.
Inserting machine, Fastener. C. L. Knott. 2,607,917, Aug. 26.
Inserting stay strips in collars. B. Liebowitz. 2,601,037, June 17.
Inserts for current collectors. G. A. Mead. 2,607,677, Aug. 19.
Inside and outside callpers, height and depth gauge, with dial indicator. W. J. Duesler. 2,581,946, Jan. 8.
Inside gauge. P. C. McKee. 2,584,602, Feb. 5.
Inside pipe cutter. R. A. Ransom. 2,622,679, Dec. 23.
Insole and making same. C. Hands. 2,601,136, June 17.
Insole, Arch supporting. H. A. Tieman. 2,589,163, Mar. 11.
Insole assembly for footwear, Removable. M. M. Sellinger. 2,622,348, Dec. 23.
Insole, Cushioning and corrective. W. M. Scholl. 2,585,692, Feb. 12.
Insole for welt shoes, Cushion. H. L. Pierson. 2,598,296, May 27.
Insole having separate attached sewing ribs. V. A. Sherbrook. 2,595,894, May 6.
Insole, Orthopedic. D. J. Morton. 2,623,307, Dec. 30.
Insole, Pneumatic. L. L. Gilbert. 2,600,239, June 10.
Insole, Ventilated. T. L. Hicks. 2,604,707, July 29.
Insole, Welt. S. M. Griswold. 2,623,306, Dec. 30.
Insole with a laminated cushion forepart. H. L. Pierson. 2,598,297, May 27.
Insoles having attached tape ribs, Making. V. A. Sherbrook. 2,595,895, May 6.
Insolubilizing and solidifying fatty acid esters of alcohols. M. Kronstein. 2,599,397, June 3.
Insoluble polystyrene derivative from an ammonium salt of sulfonated polystyrene and formaldehyde. J. Fantl. 2,620,326, Dec. 2.
Inspecting solid parts by supersonic shear waves. F. A. Firestone. 2,592,135, Apr. 8.
Inspection apparatus. W. Altar and O. J. M. Smith. 2,583,132, Jan. 22.
Inspection apparatus. L. W. Boley. 2,612,677, Oct. 7.
Inspection device. R. B. Hartman. 2,611,876, Sept. 23.
Inspection device for determining height of dots on engraved plates. B. O'Brien, Jr., and C. M. Flint. 2,619,004, Nov. 25.
Inspection means for sealed packages. J. A. Sargeant and J. R. Wade, Jr. 2,611,481, Sept. 23.
Inspection table. T. E. Jagacinski. 2,620,246, Dec. 2.
Inspirator and gas burner, Combined. D. A. Campbell and R. M. Buck. 2,592,007, Apr. 8.
Installation for collecting and handling fibrous waste material. W. B. McGuire. 2,612,278, Sept. 30.
Installing drilling equipment, Method and apparatus for. W. F. Bates, J. N. Gregory and A. H. Curry. 2,598,099, May 27.
Installing helically preformed elements on cables. K. R. Runde. 2,582,797, Jan. 15.
Installing propeller shaft struts. A. E. Kammritz. 2,582,040, Jan. 8.
Installing resilient seals. J. C. Dudley. 2,599,440, June 3.
Installing tubular rivets. R. S. Colley. 2,588,907, Mar. 11.
Instant liquid heater. H. C. A. Meyer. 2,616,023, Oct. 28.
Instantaneous frequency analyzer. H. R. Foster and E. E. Crump. 2,602,836, July 8.
Instantaneous heating of a fluid circulating in a tube. H. Arnaud. 2,616,022, Oct. 28.
Instantaneous square-root-extracting circuit. F. B. Berger. 2,605,962, Aug. 5.
Instep guard for safety shoes. E. F. McLaughlin. 2,613,457, Oct. 14.
Instructional device. K. H. H. Schumann. 2,590,469, Mar. 25.
Instructional device for calculating. S. H. Svensson. 2,600,084, June 10.
Instrument, Adjustable haircutting. M. Tully. 2,611,951, Sept. 30.

Instrument, Aircraft. J. H. Andresen, Jr. 2,609,685, Sept. 9.
Instrument and case therefor, Voltage indicating. F. B. Boyle. 2,586,203, Feb. 19.
Instrument and manufacturing same, Reed. C. E. Wetzler. 2,592,220, Apr. 8.
Instrument and marker combined, Measuring. B. P. Boston. 2,583,679, Jan. 29.
Instrument, Angle measuring. A. Sulger. 2,601,643, June 24.
Instrument, Angle measuring. H. S. Wiedebusch. 2,607,121, Aug. 19.
Instrument, Ball-point writing. M. S. Baker. 2,622,561, Dec. 23.
Instrument, Ball point writing. H. C. Frentzel. 2,584,569, Feb. 5.
Instrument, Ball point writing. P. C. Hull. 2,588,629, Mar. 11.
Instrument, Battery energized well. J. C. Hewitt, Jr. 2,622,339, Dec. 23.
Instrument, Blood obtaining. G. W. Derrick. 2,594,621, Apr. 29.
Instrument, Boiler efficiency. P. S. Dickey. 2,593,659, Apr. 22.
Instrument, Boiler efficiency. P. S. Dickey. 2,593,661, Apr. 22.
Instrument, Boiler efficiency. R. D. Junkins. 2,596,030, May 6.
Instrument, Bubble-forming writing. C. F. Ritchie. 2,591,874, Apr. 8.
Instrument, Cabin pressure control. B. E. Del Mar. 2,612,828, Oct. 7.
Instrument, Compensated convection current responsive. C. C. Minter. 2,588,403, Mar. 11.
Instrument, Condition responsive. B. Marcellus. 2,602,350, July 8.
Instrument, Contour describing. A. W. Gaubatz. 2,589,365, Mar. 18.
Instrument, Control. D. B. Cox. 2,583,547, Jan. 29.
Instrument cover. W. R. Triplett. 2,612,132, Sept. 30.
Instrument, Dental. P. J. Van der Woude. 2,598,624, May 27.
Instrument, Denture marking. E. G. Apple. 2,618,068, Nov. 18.
Instrument, Diagnostic pressure application. C. W. Smith. 2,619,599, Nov. 25.
Instrument, Drafting. E. F. Campbell. 2,603,550, Aug. 5.
Instrument, Drafting. B. Mendes. 2,594,193, Apr. 22.
Instrument, Drafting. H. E. Walker. 2,607,119, Aug. 19.
Instrument, Draftsman's and mechanic's. F. P. Hopfeld. 2,595,458, May 6.
Instrument, Drawing. G. T. Douglas. 2,581,839, Jan. 8.
Instrument, Electrical computing. D. F. Walker. 2,623,691, Dec. 30.
Instrument, Electrical measuring. D. R. de Boisblanc and R. S. Marsden, Jr. 2,602,838, July 8.
Instrument, Electrical measuring. D. B. Wiese and H. L. Bernarde. 2,610,989, Sept. 16.
Instrument, Electrical measuring. D. A. Young, L. J. Lunas, and B. E. Lenehan. 2,594,110, Apr. 22.
Instrument, Electrical musical. L. E. A. Bourn. 2,607,255, Aug. 19.
Instrument, Electrical musical. J. M. Hanert. 2,583,566, Jan. 29.
Instrument, Electrical musical. J. M. Harrison. 2,598,790, June 3.
Instrument, Electrical musical. P. P. Pattyn. 2,607,256, Aug. 19.
Instrument, Electrical resistance measuring. C. E. Perry. 2,606,230, Aug. 5.
Instrument, Electronic musical. M. Davis. 2,601,265, June 24.
Instrument, Extension beam drafting. J. F. Joy. 2,581,538, Jan. 8.
Instrument, Flight. W. K. Ergen. 2,614,251, Oct. 14.
Instrument for air and other craft, Altitude-indicating. G. H. Reid. 2,582,796, Jan. 15.
Instrument for closing and opening split sinkers on fishing lines. R. G., and K. F. Brown. 2,663,992, July 22.
Instrument for determining relative levels. J. J. Wisney. 2,614,572, Oct. 21.
Instrument for determining wheel balance. C. M. Jones. 2,613,532–3, Oct. 14.
Instrument for dilating and examining the esophagus. F. J. Wallace. 2,621,651, Dec. 16.
Instrument for intradermal injection of fluids, Surgical. F. Eliscu and M. B. Kassel. 2,588,623, Mar. 11.
Instrument for locating faults in electrical cables and/or measuring electrical capacity. H. J. and A. D. Osborn. 2,611,805, Sept. 23.
Instrument for locating the liquid level in wells. D. B. Taliaferro, C. F. McClung, and F. G. Mueller. 2,610,506, Sept. 16.
Instrument for measuring diameters. M. Mennesson. 2,620,653, Dec. 9.
Instrument for measuring efficiency of turbogenerators. P. S. Dickey. 2,593,660, Apr. 22.
Instrument for measuring heat quantities. R. Ruegg. 2,588,769, Mar. 11.
Instrument for measuring pupillary distances. A. C. Macbeth. 2,596,264, May 13.
Instrument for measuring the carbon content of steel. R. C. Buehl. 2,621,234, Dec. 9.
Instrument for recording or measuring the size and shape of surface irregularities. D. E. Priest. 2,620,655, Dec. 9.
Instrument for scribing circular arcs on a workpiece about a fixed center. J. Thomas. 2,600,139, June 10.
Instrument for testing lateral visual ability. H. S. Alexander, Sr. 2,604,811, July 29.
Instrument, Frequency compensated iron-vane. D. B. Wiese. 2,610,988, Sept. 16.
Instrument, Frequency measuring. A. F. Bischoff. 2,592,235, Apr. 8.
Instrument, Gas testing. J. G. Dwyer. 2,586,313, Feb. 19.
Instrument, Gauging. B. D. Brown, Jr. 2,611,968, Sept. 30.
Instrument, Geometrical. D. J. McQuaid, Sr. 2,610,407, Sept. 16.
Instrument, Gyro. R. Haskins, Jr. 2,584,876, Feb. 5.
Instrument, Gyroscopic. F. D. Braddon. 2,603,003, July 15.
Instrument, Gyroscopic. P. E. Selfried. 2,589,873, Mar. 18.
Instrument, Gyroscopic. P. F. Shivers. 2,609,615, Sept. 9.
Instrument holder. V. E. Hofmann. 2,600,771, June 17.
Instrument, Hyperbolic position-plotting. W. R. Woodward. 2,604,704, July 29.
Instrument, Indicating. J. E. Forbes. 2,608,948, Sept. 2.
Instrument, Land measuring. E. S. Gandrud. 2,600,865, June 17.
Instrument, Leveling. N. D. Nachtrieb. 2,587,878, Mar. 4.
Instrument, Ligature applying. M. C. L. Giaccaglia and R. A. Mudry. 2,614,564, Oct. 21.
Instrument, Light controlled musical. M. S. Ducout. 2,603,118, July 15.
Instrument, Magnetostriction measuring. W. D. Williams. 2,596,752, May 13.
Instrument, Marking. W. M. Hungerford. 2,581,534, Jan. 8.
Instrument, Maximum and minimum registering. G. A. Cook and C. F. Aldridge. 2,605,736, Aug. 5.
Instrument, Measuring. C. I. Cederholm. 2,614,330, Oct. 21.
Instrument, Measuring. V. Durbin and E. W. Johnson. 2,623,098, Dec. 23.
Instrument, Measuring. F. K. Klutke. 2,600,778, June 17.
Instrument, Mechanical writing. H. W. Sams and J. S. Smith, Jr. 2,595,001, Apr. 29.
Instrument, Microwave measuring. J. F. Zaleski. 2,591,329, Apr. 1.
Instrument, Moisture indicating. B. Vonnegut. 2,596,744, May 13.
Instrument, Movable coil electrical. K. J. Knudson. 2,586,831, Feb. 26.
Instrument, Multipurpose hair-waving. M. R. Mele. 2,602,457, July 8.
Instrument, Multirecord accounting. L. S. Gleaves. 2,597,579, May 20.
Instrument, Musical. J. Gaukstern. 2,584,572, Feb. 5.
Instrument, Musical. A. C. Hugin. 2,595,381–2, May 6.
Instrument, Musical. J. T. Kunz. 2,606,474, Aug. 12.
Instrument, Musical. J. T. Kunz. 2,622,467, Dec. 23.
Instrument, Musical. H. M. Stephenson. 2,591,023, Apr. 1.
Instrument, Musical wind. C. Lisi and U. Casaccia. 2,608,899, Sept. 2.
Instrument, Navigating. W. J. Donnelly. 2,585,751, Feb. 12.
Instrument, Navigating. A. M. Uttley. 2,618,154, Nov. 18.
Instrument, Navigation. H. L. Reilly and K. Seymour. 2,588,763, Mar. 11.
Instrument, Navigation. J. W. West. 2,593,509, Apr. 22.
Instrument, Novelty writing. M. I. Glass and J. W. Ehemann. 2,604,877, July 29.
Instrument, Obstetrical. A. L. Schofield. 2,592,959, Apr. 15.
Instrument of the retractable tip type, Writing. C. E. Federico Goos. 2,603,187, July 15.
Instrument, Ohm measuring. W. F. Wrolson and H. Overdick. 2,583,130, Jan. 22.
Instrument, Ophthalmic. C. A. Ellis and H. B. Cole. 2,614,557, Oct. 21.
Instrument, Optical. O. R. Engelmann. 2,612,893, Oct. 7.
Instrument, Optical leveling. K. Cowley. 2,607,260, Aug. 19.
Instrument or display device having markings rendered fluorescent by invisible light rays. V. J. S. Russell. 2,623,182, Dec. 23.
Instrument panel. E. A. Neugass. 2,595,973, May 6.
Instrument panel. P. T. Nims. 2,614,156, Oct. 14.
Instrument, Pendulum compensated surveying. R. T. Cloud. 2,598,355, May 27.
Instrument, Physician's venous blood letting and collecting. W. Wilkins. 2,584,520, Feb. 5.
Instrument pivot. C. Bosch. 2,617,692, Nov. 11.
Instrument, Pneumatic. A. R. Catheron. 2,618,288, Nov. 18.
Instrument, Portable radiation survey. H. V. Herndon and R. G. Hoff. 2,605,429, July 29.
Instrument, Precision measuring. D. L. R. Lescano. 2,605,549, Aug. 5.

Instrument, Precision measuring. H. F. Wallen. 2,580,865, Jan. 1.
Instrument, Pressure measuring. G. E. Conover. 2,617,304, Nov. 11.
Instrument providing a vertical reference for dirigible craft. S. Kellogg, 2nd. 2,595,268, May 6.
Instrument, Quotient or product metering and registering. H. G. Strong. 2,593,628, Apr. 22.
Instrument, Radiation measuring. C. O. Ballou. 2,601,583, June 24.
Instrument reading training device. J. C. Thompson. 2,583,398, Jan. 22.
Instrument, Rebalancing indicating. J. F. Shannon. 2,593,351, Apr. 15.
Instrument, Recording. J. M. Brady and W. D. Huston. 2,601,246, June 24.
Instrument, Recording. J. C. Stevens. 2,596,305, May 13.
Instrument, Reed operated musical. C. E. Wetzler. 2,595,316, May 6.
Instrument, Rotary manicuring. M. Kessler. 2,597,526, May 20.
Instrument, Scientific leveling and measuring. S. R. Vickery and T. H. Foster. 2,619,732, Dec. 2.
Instrument, Sensitive control and indicating. F. C. Melchior. 2,603,728, July 15.
Instrument, Single string musical. J. A. Kalosy. 2,587,735, Mar. 4.
Instrument, Shockproof angularly deflecting. M. Schlumberger, M. F. B. Picard, and F. L. H. Barreteau. 2,623,084, Dec. 23.
Instrument, Speed and/or distance determining. H. L. Reilly, F. H. Scrimshaw, and A. G. Bone. 2,597,531, May 20.
Instrument, Stringed. M. E. Nixon. 2,619,864, Dec. 2.
Instrument, Stringed musical. J. B. Cousineau. 2,610,536, Sept. 16.
Instrument, Stringed musical. M. Maccaferri. 2,597,154, May 20.
Instrument, Stringed musical. C. R. Kiley. 2,600,545, June 17.
Instrument, Stud and joist layout. D. M. Auchard. 2,582,405, Jan. 15.
Instrument, Surgical. H. B. Larzelere. 2,595,086, Apr. 29.
Instrument, Surgical. T. Wilkes. 2,592,778, Apr. 15.
Instrument, Testing. A. T. S. Babb. 2,613,249, Oct. 7.
Instrument, Thickness-measuring. R. C. Scott. 2,586,868, Feb. 26.
Instrument, Thread gauging. L. F. Guimbretiere and E. J. Sores. 2,620,566, Dec. 9.
Instrument-type relay. T. J. Pethes. 2,603,730, July 15.
Instrument type switch. M. S. Snell. 2,598,847, June 3.
Instrument, Veterinary obstetrical. H. J. Larson. 2,618,272, Nov. 18.
Instrument, Visual celestial navigation. F. H. Hagner. 2,593,141, Apr. 15.
Instrument, Warning clockwork. J. d'Angely and R. Linard. 2,621,467, Dec. 16.
Instrument, Well surveying. R. Ring. 2,613,448, Oct. 14.
Instrument, Well surveying. E. T. Young. 2,616,187, Nov. 4.
Instrument, Woodwind musical. R. J. Linton. 2,596,260, May 13.
Instrument, Woodwind musical. H. W. Loney. 2,602,364, July 8.
Instrument, Writing. H. L. Fischer. 2,603,186, July 15.
Instrument, Writing. H. C. Frentzel. 2,580,754, Jan. 1.
Instrument, Writing. R. L. Greist. 2,588,829, Mar. 11.
Instrument, Writing. M. Knobel. 2,617,387, Nov. 11.
Instrument, Writing. L. P. Martin. 2,610,611–12, Sept. 16.
Instrument, Writing. I. D. Tefft. 2,618,239, Nov. 18.
Instrument, Writing. I. D. Tefft. 2,620,773, Dec. 9.
Instrument, Writing. J. F. Thull. 2,593,366, Apr. 15.
Instruments, Dehorning. W. J. Thompson. 2,583,347, Jan. 22.
Insulated box. J. Ruthven, Jr., and R. G. Harrison. 2,590,724, Mar. 25.
Insulated container. J. S. Irvine. 2,610,757, Sept. 16.
Insulated container. R. W. McNealy and J. A. Glassman. 2,591,578, Apr. 1.
Insulated door. S. F. King. 2,604,886, July 29.
Insulated electrical conductor. P. Robinson and C. C. Reid. 2,585,037, Feb. 12.
Insulated electrical conductor. P. Robinson and C. C. Reid. 2,593,922, Apr. 22.
Insulated electrical conductors, Making. P. F. Sanders. 2,606,134, Aug. 5.
Insulated electrical lead. C. Dantsizen. 2,606,849, Aug. 12.
Insulated handle. J. E. Chambers and T. E. Phares. 2,616,121, Nov. 4.
Insulated sash frame. G. B. Haas. 2,622,710, Dec. 23.
Insulated sectionalized bus duct system. N. Swerdlow and G. G. Abel. 2,591,386, Apr. 1.
Insulated tank car. C. H. Folmsbee. 2,595,835, May 6.
Insulated tank vehicle. F. A. Beyer, R. A. Bradley, and H. W. Crank. 2,614,856, Oct. 21.
Insulated wire joint. M. D. Bergan. 2,618,684, Nov. 18.
Insulating and heating jacket for food containers. M. D. Tiegel. 2,589,645, Mar. 18.
Insulating apparatus for bathtubs. H. K. Phillips. 2,602,935, July 15.
Insulating bushing with pressure-limiting means. J. Dormont. 2,600,979, June 17.
Insulating conductors. C. C. Beale. 2,589,169, Mar. 11.
Integrating counter. W. C. Grabau. 2,588,107, Mar. 4.
Insulating electrical apparatus. L. R. Hill and J. A. Campbell. 2,611,930, Sept. 30.
Insulating fastening device. G. H. Erb, J. J. Dwyer, and A. G. Kolessar. 2,592,130, Apr. 8.
Insulating fire brick and manufacture. W. A. Miller and T. W. Ratcliffe. 2,588,646, Mar. 11.
Insulating handle. O. Messerschmidt. 2,600,902, June 17.
Insulating lath for building and like structures. J. L. Finck. 2,597,309, May 20.
Insulating machine, Pulp. W. C. Ewaldson and J. N. Selvig. 2,586,634, Feb. 19.
Insulating metal surfaces. E. Bergve. 2,622,992, Dec. 23.
Insulating pipe covering composition. H. K. Thomas. 2,600,812, June 17.
Insulating ring and protective device for cathode-ray tubes. R. A. Fisch. 2,602,114, July 1.
Insulating shield for cathode-ray tubes. R. A. Fisch. 2,602,112, July 1.
Insulation. J. S. Johnson and E. L. Schulman. 2,581,862, Jan. 8.
Insulation arrangement for combination refrigerators. H. A. Nason. 2,595,874, May 6.
Insulation board. M. E. Mueller. 2,608,492, Aug. 26.
Insulation for coaxial cables, Manufacture of. R. C. Mildner. 2,599,857, June 10.
Insulation for pipes, conduits, and the like. M. C. J. Billingham. 2,602,764, July 8.
Insulation material. G. Slayter. 2,618,817, Nov. 25.
Insulation of ferromagnetic particles. G. O. Altmann. 2,597,276, May 20.
Insulation piercing wire connector. M. D. Bergan. 2,604,508, July 22.
Insulation slitting tool. A. Lavoie. 2,591,560, Apr. 1.
Insulator. P. H. Sanborn. 2,590,893, Apr. 1.
Insulator assembly, Adjustably mounted. J. N. Binns, T. E. Dugle, and A. F. Alt. 2,609,418, Sept. 2.
Insulator bushing seal. J. D. Reid. 2,597,596, May 20.
Insulator cap. L. J. Stevens. 2,598,460, May 27.
Insulator secured under tension to an insulator rack. F. G. Ridgers and C. W. Cassels. 2,612,540, Sept. 30.
Insulator supporting bracket for electric fences. E. J. Lenz. 2,599,849, June 10.
Insulator supporting pin and cob. D. C. Hubbard. 2,592,698, Apr. 15.
Insulator testing apparatus. J. D. Gow. 2,605,633, Aug. 5.
Insulin from pancreas glands, Preparation of. L. C. Maxwell and W. P. Hinkel. 2,595,278, May 6.
Intaglio printing and embossing press. H. B. Gabbert. 2,623,457, Dec. 30.
Intake and exhaust pressure regulator for supercharged internal-combustion engines. C. A. Lindeman, Jr. 2,622,391, Dec. 23.
Intake construction for infant incubators. J. B. McPherson. 2,616,414, Nov. 4.
Intake manifold. W. A. Wiseman. 2,619,945, Dec. 2.
Intake type unloader for compressors and the like. W. P. Dalrymple. 2,594,132, Apr. 22.
Integral-drive magnetometer head. N. E. Klein and W. H. Brattain. 2,605,072, July 29.
Integral tool carrier. J. G. Lindeman, L. F. Heinl, R. D. Krehbiel and O. L. Durland. 2,616,349, Nov. 4.
Integrated ceiling lighting system. J. K. Gannett and B. W. Saveland. 2,616,533, Nov. 4.
Integrated gasification electrochemical system. E. Gorin. 2,581,651, Jan. 8.
Integrating device. C. L. Heckard and B. Anderson, 2,599,055, June 3.
Integrating leg gauge. M. E. Nelson. 2,604,646, July 29.
Integrator. J. W. Gray. 2,622,231, Dec. 16.
Integrator. W. J. Opocensky and L. W. Imm. 2,602,338, July 8.
Integrator and hysteresis loop tracer. D. E. Wiegand. 2,610,230, Sept. 9.
Intensive mixing apparatus. A. C. Christensen. 2,619,293, Nov. 25.
Interbonded fibrous glass. R. Steinman and H. C. Courtright. 2,610,957, Sept. 16.
Interchangeable adjustable resistance unit. V. J. Canziani, D. C. Silverman, and R. P. Wiener. 2,592,392, Apr. 8.
Interchangeable letter display device. C. N. Dickey and H. F. Moonert. 2,586,009, Feb. 19.
Interchangeable objective lens supporting means. J. Bolsey. 2,582,815, Jan. 15.
Interchangeable roller neck for textile fluted rolls. A. M. Guillet. 2,601,134, June 17.
Interchangeable tripod foot tip. A. J. Saltzman. 2,612,335, Sept. 30.
Intercommunicating apparatus. R. H. Campbell. 2,606,976, Aug. 12.
Intercoupling extension for brassières. S. Chasinov. 2,602,929, July 15.
Interface modifiers and preparing same. M. Katzman. 2,599,391, June 3.
Interference eliminating device for measuring instruments. W. H. Coulter and J. R. Coulter, Jr. 2,622,150, Dec. 16.
Interference eliminating system. L. Cohen. 2,617,927, Nov. 11.

Interference prevention circuit. A. R. Starr. 2,584,165, Feb. 5.
Interference reducing radio receiving system. L. Cohen. 2,617,926, Nov. 11.
Interference-reducing system. W. Y. Pan. 2,598,935, June 3.
Interference reducing system. J. W. Yearsley. 2,606,286, Aug. 5.
Interference-suppression network. J. C. Pontius. 2,621,252, Dec. 9.
Interferometer. A. H. Miran. 2,612,074, Sept. 30.
Interferometer gauge. W. H. Barkas and W. E. Buck. 2,591,666, Apr. 8.
Interior illumination system for vehicles and recessed twin beam fixtures therefor. A. L. Arenberg. 2,582,738, Jan. 15.
Interleaving apparatus. R. W. Bailey. 2,580,379, Jan. 1.
Interleaving machine. R. W. Bailey. 2,619,034, Nov. 25.
Interlock. G. J. Freese. 2,604,796, July 29.
Interlock between control members and register analyzing mechanism in typewriter-computers. O. J. Sundstrand. 2,595,020, Apr. 29.
Interlock for calculating machine control keys. J. M. Laiho. 2,588,127, Mar. 4.
Interlock for electrical connectors. O. Carlsen. 2,590,505, Mar. 25.
Interlock mechanism for liquid dispensing apparatus. H. N. Bliss. 2,594,853, Apr. 29.
Interlocked electric switch. J. Bierenfeld. 2,612,789, Oct. 7.
Interlocking and function control device. R. E. Boyden and H. H. Freeman. 2,607,526, Aug. 19.
Interlocking connection between a pulley carriage and a drapery traverse rod. J. N. Graber. 2,619,166, Nov. 25.
Interlocking elevator door latch switch. G. S. Rogers. 2,611,840, Sept. 23.
Interlocking filing cabinet. H. W. Regenhardt. 2,614,016, Oct. 14.
Interlocking hollow building block. B. L. Tatum. 2,619,829, Dec. 2.
Interlocking knockdown table. J. G. Grauer. 2,585,111, Feb. 12.
Interlocking mechanism for register apparatus. R. L. Thompson. 2,581,218, Jan. 1.
Interlocking roofing or siding. M. L. Jurasevich. 2,590,708, Mar. 25.
Interlocking safety switch system. W. A. Ray. 2,586,257, Feb. 19.
Interlocking sections for paper boxes. R. McReary. 2,610,782, Sept. 16.
Interlocking structural units. W. B. Spangler. 2,589,304, Mar. 18.
Interlocking switch and door. L. F. Santangelo. 2,595,102, Apr. 29.
Interlocking transfer switch. J. F. Frese. 2,606,260, Aug. 5.
Intermediate buffer for tender locomotives. R. G. da Costa. 2,623,646, Dec. 30.
Intermediate compounds in the synthesis of dehydrocorticosterone. E. C. Kendall. 2,587,579, Mar. 4.
Intermediate compounds in the synthesis of dehydrocorticosterone. E. C. Kendall. 2,598,559, May 27.
Intermediate cooler for multistage rotary compressors. J. Eggmann. 2,612,310, Sept. 30.
Intermediate frequency rejection circuit. R. E. Ricketts. 2,594,347, Apr. 29.
Intermediates for producing basic compounds, Making. C. C. Price and R. M. Roberts. 2,614,121, Oct. 14.
Intermittent and proportionate pattern control mechanism for machine tools. E. R. Smith. 2,594,694, Apr. 29.
Intermittent drive mechanism. H. da Costa. 2,584,558, Feb. 5.
Intermittent driving mechanism. R. Robertson. 2,597,950, May 27.
Intermittent duct engine. P. Kollsman. 2,613,496, Oct. 14.
Intermittent explosion unit for gas turbine plants. J. H. Anderson. 2,614,387, Oct. 21.
Intermittent film feeding mechanism utilizing scroll gears. O. H. Luther. 2,594,466, Apr. 29.
Intermittent film movement with fast pulldown. G. A. Mitchell. 2,618,196, Nov. 18.
Intermittent mechanism. J. A. Duvoisin. 2,605,647, Aug. 5.
Intermittent mechanism. L. W. Sanderson. 2,585,687, Feb. 12.
Intermittent movement. A. F. Hayek. 2,589,940, Mar. 18.
Intermittent movement. E. G. Mercier. 2,596,581, May 13.
Intermittent movement having improved lubricating means. V. J. Evraets and G. A. Mitchell. 2,619,005, Nov. 25.
Intermittent operating mechanism. J. Erwood. 2,591,796, Apr. 8.
Intermittent reciprocatory feeding apparatus. J. Haller. 2,622,874, Dec. 23.
Intermittent strip feed mechanism of the reciprocating type. A. S. Howell. 2,610,543, Sept. 16.
Intermittently actuated distributor dispensing valve. E. Voges. 2,591,894, Apr. 8.
Intermittently revolvable table laundry press. R. P. Gudgeon. 2,609,624, Sept. 9.
Internal-combustion engine. E. M. Barber. 2,595,914–15, May 6.
Internal-combustion engine. B. W. Barlow. 2,601,584, June 24.
Internal-combustion engine. W. B. Bronander. 2,595,050, Apr. 29.
Internal-combustion engine. G. L. du Rostu. 2,587,339, Feb. 26.
Internal-combustion engine. R. Ferguson. 2,590,000, Mar. 18.
Internal-combustion engine. G. R. Gehrandt. 2,599,908, June 10.
Internal-combustion engine. H. O. Hedges. 2,606,531, Aug. 12.
Internal-combustion engine. L. L. Jordan. 2,596,410, May 13.
Internal-combustion engine. O. Lutz. 2,606,541, Aug. 12.
Internal-combustion engine. W. A. McMillan. 2,580,572, Jan. 1.
Internal-combustion engine. J. L. Putt. 2,598,300, May 27.
Internal-combustion engine. K. Rasmussen. 2,591,099, Apr. 1.
Internal-combustion engine. H. R. Ricardo and G. A. Holt. 2,594,681, Apr. 29.
Internal-combustion engine. A. Schwarz. 2,614,546, Oct. 21.
Internal-combustion engine. J. C. Slonneger. 2,590,134, Mar. 25.
Internal-combustion engine. H. V. Stewart. 2,618,250, Nov. 18.
Internal-combustion engine. T. O. Strauss. 2,598,461, May 27.
Internal-combustion engine. H. Teegen. 2,583,499, Jan. 22.
Internal-combustion engine and the operation thereof. H. R. Fehling and G. Friedlander. 2,622,571, Dec. 23.
Internal-combustion engine cooling for rotary valves. K. Haase. 2,617,395, Nov. 11.
Internal-combustion engine driven compressor unit. E. Carlson. 2,610,785, Sept. 16.
Internal-combustion engine having multiple compression and expansion. A. Naccache. 2,621,473, Dec. 16.
Internal-combustion engine ignition. E. G. Linder. 2,617,841, Nov. 11.
Internal-combustion engine poppet valve cooling. F. E. Lindsay. 2,611,348, Sept. 23.
Internal-combustion engine power plant. L. F. R. Fell. 2,589,788, Mar. 18.
Internal-combustion engine power plant. L. F. R. Fell. 2,619,800, Dec. 2.
Internal-combustion engine production of synthesis gas. E. M. Barber. 2,605,175, July 29.
Internal combustion engine with lubricating oil cooler. A. Scheiterlein. 2,623,612, Dec. 30.
Internal-combustion heater. S. J. Budlane. 2,588,352, Mar. 11.
Internal-combustion turbine power plant. N. C. Price. 2,613,501, Oct. 14.
Internal dimension gauge. M. Maag. 2,591,452, Apr. 1.
Internal expanding brake. R. J. Kenny. 2,582,755, Jan. 15.
Internal fixation of fractured bones. P. Cordasco. 2,620,792, Dec. 9.
Internal focusing device. W. F. Steers. 2,619,607, Nov. 25.
Internal grinding machine. M. L. Kunlholm and J. Klar. 2,612,008, Sept. 30.
Internal pipe aligning clamp. O. P. Adams and R. G. Mayer. 2,615,413–14, Oct. 28.
Internal reverse taper reamer. H. McTyre and S. H. Aspden. 2,594,671, Apr. 29.
Internal synchronized eccentric chain tension adjuster. W. Siegerist. 2,621,530, Dec. 16.
Internally expanding brake. R. B. Watt. 2,587,256, Feb. 26.
Internally fired gas burner. E. A. Furkert. 2,623,579, Dec. 30.
Internally fired safety pilot gas burner. J. L. Harris and C. Hotchkiss. 2,589,804, Mar. 18.
Internally fired sheet metal gas burner. S. Cardella and H. G. Eriksson. 2,597,062, May 20.
Internally ribbed manifold for multicylinder internal-combustion engines. A. F. Milbrath. 2,587,360, Feb. 26.
Interpolymers and making same. F. Armitage and E. S. J. Fry. 2,589,655, Mar. 18.
Interpolymers of a 2-alkenyl 2-alkenoate, a 2-alkenyl alcohol, and another copolymerizable monoolefinic compound. P. O. Tawney. 2,598,316, May 27.
Interpolymers of α-acyloxyacrylonitriles. J. B. Dickey. 2,611,765, Sept. 23.
Interpolymers of selected poly-(2-alkenoxyalkyl) esters of fumaric acid and selected 2-alkenyl compounds. P. O. Tawney. 2,594,825, Apr. 29.
Interpolymers of styrene and mixed esters of polyhydric alcohol and drying oil acid in the presence of a terpene. L. E. Wakeford and D. H. Hewitt. 2,607,749, Aug. 19.
Interpolymers of styrene with polyhydric alcoholic mixed esters and of coating compositions obtained therefrom, Manufacture of. D. H. Hewitt and F. Armitage. 2,586,652, Feb. 19.

Interpolymers of styrene with styrene-butadiene copolymers. E. D. Morris and G. A. Griess. 2,606,163, Aug. 5.
Interpolymers of styrene with unsaturated fatty acids and polyhydric alcoholic esters thereof, Manufacture of. F. Armitage and J. J. Sleightholme. 2,586,593, Feb. 19.
Interpolymers of vinyl chloride, alkyl acrylate, and styrene. R. J. Wolf and A. A. Nicolay. 2,605,257, July 29.
Interpolymers of vinyl chloride, higher alkyl acrylate and dialkenyl ester of olefinic dicarboxylic acid. R. J. Wolf. 2,608,549, Aug. 26.
Interpolymers of vinyl chloride, higher alkyl acrylate, and divinyl aryl hydrocarbon. R. J. Wolf. 2,608,553, Aug. 26.
Interpreter card feed. A. B. Crowell. 2,616,364, Nov. 4.
Interrupted thread type slidable jaw wrench. J. T. Tedesco. 2,597,403, May 20.
Interscapular patient supporting device for application of an orthopedic brace. R. Anderson. 2,590,670, Mar. 25.
Interval timer switch. M. Zuckerman. 2,595,624, May 6.
Interzone interference device for guns. E. E. Libman. 2,583,058, Jan. 22.
Intramedullary bar. H. H. Livington. 2,614,559, Oct. 21.
Intraoral tracer and balancer for dentures. L. G. Coble. 2,582,104, Jan. 8.
Intravenous solution dispensing apparatus. C. H. Barr. 2,612,160, Sept. 30.
Intravenous solution technique and apparatus. R. R. Rausch. 2,580,836, Jan. 1.
Introducing an amino group into aromatic compounds. J. S. Turski. 2,585,355, Feb. 12.
Introduction of a double bond adjacent a keto group in ketosteroids. E. C. Kendall and V. R. Mattox. 2,590,978, Apr. 1.
Introduction of a double bond in ketosteroids. W. F. McGuckin and E. C. Kendall. 2,590,993, Apr. 1.
Introduction of specimens into discharge vessels. R. S. Page. 2,602,899, July 8.
Intumescing composition composed of a nitrogen phosphorus compound with an aldehyde resin. M. L. Nielsen. 2,596,937, May 13.
Invalid chair. A. M. McC. Gray. 2,592,025, Apr. 8.
Invalid chair having footrest braking means. L. R. Alldredge and E. O. Schonstedt. 2,612,209, Sept. 30.
Invalid handling apparatus. S. R. Feist. 2,595,651, May 6.
Invalid lift and transfer apparatus. C. E. Sanders. 2,587,068, Feb. 26.
Invalid supporting and handling apparatus for bathtubs. D. Nielsen. 2,604,636, July 29.
Invert sirup process. M. F. Hughes, M. A. McCalip, H. S. Paine, and N. Rosenberg. 2,594,440, Apr. 29.
Inverted extrusion apparatus. E. F. Giblan. 2,594,009, Apr. 22.
Inverter starting circuit. B. L. Scherer. 2,596,606, May 13.
Invertible rolling harrow. S. McCleneghan, Jr. 2,615,291, Oct. 28.
Inverting apparatus. H. E. Stover. 2,593,627, Apr. 22.
Investing machine. E. L. Hildreth. 2,606,347, Aug. 12.
Invoice assembly for service items. G. C. Wilson. 2,581,895, Jan. 8.
Iodinated aminophenylsulfonylamino carboxylic acids. S. Archer. 2,592,105, Apr. 8.
Iodinated 2-acylamino benzoyl derivatives of amino acids. V. H. Wallingford. 2,587,936, Mar. 4.
Iodinating proteins. W. R. Graham, Jr., G. O. Kohler, and R. D. Hoover. 2,586,425, Feb. 19.
Iodine counter. S. H. Liebson. 2,586,836, Feb. 26.
Iodine solution comprising an oxidation-reduction system. A. J. Salle and H. L. Guest. 2,585,965, Feb. 19.
Ion controller. W. W. Hicks. 2,589,613, Mar. 18.
Ion controller. W. W. Hicks. 2,594,777, Apr. 29.
Ion-exchange processes for the treatment of water. J. R. Emmett and H. A. Matthews. 2,617,766, Nov. 11.
Ion exchange reactor. A. C. Barnebl and W. J. Riker. 2,595,627, May 6.
Ion exchange resin combination. G. R. Stroh. 2,586,882, Feb. 26.
Ion-exchange resins from a vinyl pyridine or a vinyl quinoline and a vinyl ethinyl hydrocarbon. G. F. D'Alelio. 2,623,013, Dec. 23.
Ion exchange system. J. B. Gottfried. 2,599,757, June 10.
Ion gauge mounting. C. B. Proudfoot. 2,594,212, Apr. 22.
Ion intensity control mechanism for mass spectrometers. M. G. Inghram and B. M. Rustad. 2,602,898, July 8.
Ion producing mechanism. J. G. Backus. 2,600,151, June 10.
Ion source. G. W. Pallette. 2,587,647, Mar. 4.
Ion source. R. W. Thompson. 2,621,296, Dec. 9.
Ion sources. R. R. Wilson. 2,624,009, Dec. 30.
Ion trap for cathodes. J. de Gier. 2,617,061, Nov. 4.
Ion trap of uniform flux density. D. P. Ingle and S. L. Reiches. 2,598,916, June 3.
Ion trap type electron gun. C. S. Szegho. 2,582,402, Jan. 15.
Ionization chamber. C. J. Borkowski and R. H. Firminhac. 2,598,215, May 27.
Ionization chamber. J. R. Raper and R. E. Zirkle. 2,596,080, May 6.
Ionization chamber and associated circuit. G. Hepp. 2,617,043, Nov. 4.
Ionization chamber for neutron flux measurements. L. W. Mead and F. C. Armistead. 2,604,598, July 22.
Ionization chamber, Pocket. J. E. Rose and E. W. Hinspater. 2,601,637, June 24.
Ionization gauge. K. M. Simpson, W. R. Baker and Q. A. Kerns. 2,595,611, May 6.
Ionization gauge regulation. H. G. Neil. 2,604,514, July 22.
Ionization vacuum gauge. R. T. Bayard. 2,605,431, July 29.
Ionized air stall detector. P. J. Campbell. 2,603,695, July 15.
Ionizing structure. E. G. Hills. 2,585,776, Feb. 12.
Iron: *See*—
Curling iron.
Electric iron.
Electric soldering iron.
Electric steaming iron.
Pressing iron.
Self-lifting iron.
Soldering iron.
Steaming and pressing iron.
Steam electric creasing iron.
Steam electric iron.
Steam iron.
Steam pressing iron.
Temperature - controlled soldering iron.
Transfer iron.
Traveling iron.
Iron and making of same, Electric. J. R. Gomersall and M. Ireland. 2,585,928, Feb. 19.
Iron assembly means, Electric. L. H. Snyder and W. E. Shipley. 2,607,139, Aug. 19.
Iron blue pigments, Manufacture of. J. O. Morrison and B. H. Perkins. 2,592,169, Apr. 8.
Iron cord support and retriever. F. D. Clark. 2,590,936, Apr. 1.
Iron for dry and steam ironing, Thermostatically controlled electric. A. Bate. 2,609,625, Sept. 9.
Iron for use in the manufacture of cast iron products, Production of. H. A. Reece. 2,595,294, May 6.
Iron-free titanium arsenate and making same. W. O. Davis, R. Roseman, B. W. Allan, and R. W. Neptune. 2,615,789, Oct. 28.
Iron having improved water reservoir and steam generator, Steam. F. E. Finlayson. 2,608,773, Sept. 2.
Iron holder. J. L. Adams. 2,603,438, July 15.
Iron holder or the like. M. Greenberg and C. S. Lefferdink. 2,584,011, Jan. 29.
Iron ore concentrate pellets. F. D. De Vaney. 2,596,132, May 13.
Iron oxide flotation process. J. A. Barr, Jr. 2,607,486, Aug. 19.
Iron oxide from ferrous chloride, Preparing. H. Loevenstein. 2,592,580, Apr. 15.
Iron oxide pigment, Making. T. Toxby. 2,620,261, Dec. 2.
Iron oxide reduction. G. B. Webb. 2,598,735, June 3.
Iron removal from aldehyde synthesis process. C. H. Hale. 2,604,491, July 22.
Iron rest and ironing cord retriever, Combined. A. H. Cramer. 2,603,431, July 15
Iron-silica gel Fischer-Tropach catalyst, Preparation of an. W. Rottig, H. W. Gross, P. Royen, and K. Schenk. 2,6117,774, Nov. 11.
Iron stand. R. I. Huffman. 2,600,653, June 17.
Ironer and stand combination, Portable. J. J. Getgey. 2,591,656, Apr. 1.
Ironer, Reversible motor controlled portable. A. H. Davis. 2,583,685, Jan. 29.
Ironer roll and pad with heat-reflecting sheet applied thereto. S. A. Obitz. 2,608,749, Sept. 2.
Ironer roll cover. S. A. T. Newsom. 2,601,448, June 24.
Ironer stand with convertible work tray slidably mounted therein. J. J. Getgey. 2,591,657, Apr. 1.
Ironing apparatus cover. R. G. Olson. 2,600,913, June 17.
Ironing board. S. Jacowitz. 2,606,275, Aug. 5.
Ironing board and cabinet therefor, Folding. J. J. Toth. 2,609,628, Sept. 9.
Ironing board and iron holder, Combined. F. H. Tiller. 2,593,937, Apr. 22.
Ironing board and sent assembly, Combined. C. E. Buhr and D. C. Classie. 2,606,380, Aug. 12.
Ironing board attachment. M. Thompson. 2,588,897, Mar. 11.
Ironing board cover. W. McCrory. 2,608,774, Sept. 2.
Ironing board with cover, Sectional. C. Mendelson. 2,622,353, Dec. 23.
Ironing machine. A. R. Constantine. 2,622,352, Dec. 23.
Ironing machine, Flatwork. A. E. Leisenring. 2,584,598, Feb. 5.
Ironing machine, Portable domestic. F. M. Freis. 2,614,347, Oct. 21.
Ironing machine with reciprocating ironing shoe. B. J. Hank. 2,605,564, Aug. 5.
Ironing press and operating mechanism, Counterbalanced. E. E. Foster. 2,603,010, July 15.
Ironing stand. J. H. W. Lewis. 2,609,626, Sept. 9.
Irradiation of liquids, Process and apparatus for the. R. B. and A. M. Gochenour. 2,588,716, Mar. 11.
Irreversible control linkage. W. H. Kuntz. 2,617,308, Nov. 11.
Irreversible driving device. R. B. Houplain. 2,583,428, Jan. 22.
Irreversible throttle control. P. M. Waite. 2,612,058, Sept. 30.
Irrigating apparatus, Pneumatically operated. E. O. Pratt. 2,589,728, Mar. 18.

Irrigating apparatus, Portable. I. Grumbles. 2,593,299, Apr. 15.
Irrigating apparatus, Self-propelled sprinkling. F. L. Zybach. 2,604,359, July 22.
Irrigation ditch opener. M. R. Tallant. 2,618,501, Nov. 18.
Irrigation regulator coupling. O. E. Andrus. 2,598,961, June 3.
Irrigation signal. R. H. Cox. 2,584,425, Feb. 5.
Irrigation signal. G. V. Due. 2,594,885, Apr. 29.
Irrigation signal device. M. L. Adams. 2,591,037, Apr. 1.
Irrigation system. W. A. Anderson. 2,589,321, Mar. 18.
Irrigation valve. G. D. Williamson. 2,617,446, Nov. 11.
Island strip support. J. M. Liptay. 2,605,865, Aug. 5.
Isobornyl aryl ethers. L. J. Kitchen. 2,581,917, Jan. 8.
Isocyannate, Preparing an. F. C. Schnefer and E. K. Drechsel. 2,580,468, Jan. 1.
Isolating isoquinoline from mixtures thereof with heterocyclic nitrogen base. H. L. Stasse. 2,618,639, Nov. 18.
Isolating phenolic compounds. H. V. Hess and G. B. Arnold. 2,618,666, Nov. 18.
Isolating phenolic compounds from mixtures thereof. H. V. Hess and G. B. Arnold. 2,618,664–5, Nov. 18.
Isolating teeth from moisture during dental operations, Means for. R. W. Ackley. 2,623,284, Dec. 30.
Isolation and purification of active plant principles. T. C. Aschner and J. V. Meyer. 2,608,560, Aug. 26.
Isolation of alpha-amylase from malt extract. S. Schwimmer and A. K. Balls. 2,594,356, Apr. 29.
Isolation of amino acids. H. Wolff and A. Berger. 2,617,823, Nov. 11.
Isolation of chlorosulfonated polymers of ethylene from solution. J. L. Ludlow. 2,592,814, Apr. 15.
Isolation of nickel sulfide. P. J. McGauley. 2,588,265, Mar. 4.
Isolation of pea proteins. R. M. McCready and V. G. Silveira. 2,607,768, Aug. 19.
Isolation of piperazine. T. Clapper and R. C. Kinstler. 2,622,084, Dec. 16.
Isomerization of alpha-beta unsaturated carboxylic acids. C. B. Linn. 2,594,570, Apr. 29.
Isomerization of aromatic compounds. B. B. Corson and J. E. Nickels. 2,623,911, Dec. 30.
Isomerization of aromatic compounds. J. E. Nickels. 2,615,056, Oct. 21.
Isomerization of aromatic compounds. J. E. Nickels. 2,617,838, Nov. 11.
Isomerization of 1-keto-2-alkyl-octahydrophenanthrene-2-carboxylic acid esters. K. Miescher and G. Anner. 2,621,206, Dec. 9.
Isomerization of saturated hydrocarbons with sulfuric acid. A. K. Roebuck and B. L. Evering. 2,623,076, Dec. 23.
Isomerization of unsaturated hydrocarbons. M. L. Allan. 2,594,706, Apr. 29.
Isomers of Diels-Alder adducts of hexahalocyclopentadiene with quinones. E. Segel, R. E. Lidov, and J. Hyman. 2,584,140, Feb. 5.
Isoolefindiolefin copolymers of uniform average composition, Preparing. D. W. Young, W. J. Sparks, and J. D. Garber. 2,583,504, Jan. 22.
Isoparaffin-olefin and aromatic-olefin alkylation process, Combination. H. H. Lee. 2,582,047, Jan. 8.
Isopropanol odor improvement by azeotropic distillation. S. W. Wilson. 2,595,116, Apr. 29.
Isopropenyl fluoride polymers. P. R. Austin. 2,585,529, Feb. 12.
Isopropyl benzene hydroperoxide, Manufacture of. G. P. Armstrong, T. Bewley, and K. H. W. Turck. 2,619,510, Nov. 25.
Isopropyl N-phenyl carbamate, Production of. E. M. Allen. 2,615,916, Oct. 28.
Isopropyl-2,4,5-trichlorophenoxyacetate, Making. V. C. Fusco and W. E. Noyes. 2,621,207, Dec. 9.
Isotope analysis. G. H. Dieke. 2,585,901, Feb. 19.
Isotope separation. G. W. Penney. 2,581,813, Jan. 8.
Jack: *See*—
All purpose hydraulic jack.
Automobile body repair jack.
Automobile jack.
Body and fender jack.
Double - acting hydraulic jack.
Floor jack.
Flooring jack.
Hoist jack.
Hydraulic jack.
Hydraulic pumping jack.
Hydraulic service jack.
Key jack.
Ladder jack.
Last jack.
Lifting jack.
Portable fluid operated lifting jack.
Portable hydraulic jack.
Post straightening jack.
Pumping jack.
Railroad car moving jack.
Reversible hydraulic jack.
Roof jack.
Scaffold jack.
Self-leveling and stabilizing jack.
Spring jack.
Telescopic hydraulic jack.
Tractor jack.
Tree felling jack.
Unloading jack.
Vehicle jack.
Wheeled scissors jack.
Jack, O. Donohue. 2,599,900, June 10.
Jack, C. Sintz. 2,618,464, Nov. 18.
Jack adapted for moving loads along a rod. N. E. Wikström. 2,597,691, May 20.
Jack, All-purpose hydraulic. R. G. Miller. 2,620,737, Dec. 9.
Jack and carrier, Differential. B. D. Monteith. 2,583,114, Jan. 22.
Jack base. W. J. Thompson. 2,616,650, Nov. 4.
Jack engaging hub bracket for detachable automobile disk wheels. S. L. Alton. 2,616,665, Nov. 4.
Jack eye for loom harness. W. A. Blanchard. 2,591,397, Apr. 1.
Jack for fluid actuated tools, Detachable lifting. E. A. Longenecker. 2,622,562, Dec. 23.
Jack for handling rod strings or the like in wells, Hydraulic. Edwin A. and Edgar A. Morris. 2,592,168, Apr. 8.
Jack for in-the-well pumps, Hydraulic pumping. F. W. Schneck and R. M. McNeill. 2,582,564, Jan. 15.
Jack for trailers, Raising and supporting. A. R. Askue. 2,591,226, Apr. 1.
Jack hook holder for looms. B. C. Savage. 2,598,444, May 27.
Jack mechanism. C. F. Ball. 2,596,462, May 13.
Jacquard cylinder motion. G. C. Roberts. 2,619,127, Nov. 25.
Jacquards for weaving looms. O. Dalle. 2,602,473, July 8.
Jalousie. T. I. Moseley. 2,613,405, Oct. 14.
Jamb. F. J. Bursik. 2,581,750, Jan. 8.
Jamb assembly. J. Sylvan. 2,582,468, Jan. 15.
Jar. C. C. Brown and F. L. Scott, Jr. 2,591,130, Apr. 1.
Jar lid removing mechanism for drying ovens. E. A. Tesch, Jr., 2,609,110, Sept. 2.
Jar pump having antidrip spout. W. A. Pruett. 2,593,607, Apr. 22.
Jar storage and handling unit. N. G. Bundgus. 2,616,568, Nov. 4.
Jar type well packer. C. C. Brow and J. R. Bass. 2,595,563, May 6.
Jarring tool. C. O. Denning. 2,621,025, Dec. 9.
Jaw adjusting means for plier-type wrenches. I. Zeissl. 2,607,250, Aug. 19.
Jaw assembly for wrenches of the Stillson type. B. Roberts. 2,597,184, May 20.
Jaw chuck. K. Deuring and F. Kreutzer. 2,602,673, July 8.
Jaw crusher, Two-stage. E. H. Anderson. 2,595,219, May 6.
Jaw crusher with hydraulic release and reset device. S. W. Traylor, Jr. 2,588,180, Mar. 4.
Jaw crusher with side thrust absorbing bearings. H. H. Rumpel. 2,598,942, June 3.
Jaw design and adjusting means for pipe tongs. B. Cranner. 2,608,893, Sept. 2.
Jaw holder. J. H. Kindelberger. 2,609,860, Sept. 9.
Jaw insert for needle holders, Hardened. L. R. Snowden. 2,597,394, May 20.
Jaw piece for pliers, Pivoted. E. G. F. Sandström. 2,603,996, July 22.
Jaw pipe tong, Power-operated slidable. A. L. Stone. 2,615,682, Oct. 28.
Jaw type crusher. S. W. Traylor, Jr. 2,591,639, Apr. 1.
Jet airfoil brake. J. A. McNally. 2,609,168, Sept. 2.
Jet augmentation arrangement. R. S. Boutelle. 2,601,963, July 1.
Jet blast deflector. M. D. Shumaker. 2,608,363, Aug. 26.
Jet booster pump. A. E. Nittka. 2,602,398, July 8.
Jet driven rotor blade structure. P. H. Stanley. 2,601,463, June 24.
Jet engine. J. D. Atwood. 2,589,215, Mar. 18.
Jet engine combustion apparatus, Including pilot burner for ignition and vaporization of main fuel supply. F. C. Mock. 2,616,258, Nov. 4.
Jet engine container. W. W. Higbee. 2,613,807, Oct. 14.
Jet engine fuel control for modifying fuel pressure drop across throttle in accordance with altitude. F. C. Mock. 2,616,254, Nov. 4.
Jet engine having a plurality of turbocompressors operable in parallel or in series. R. J. Poult. 2,580,591, Jan. 1.
Jet engine having an air compressor driven solely by a fuel gas turbine. E. A. Phaneuf. 2,620,625, Dec. 9.
Jet engine having fuel pumps driven by air turbine in thrust augmenting air duct. W. A. Knoll. 2,610,464, Sept. 16.
Jet engine igniter plug. W. A. Bychinsky. 2,609,808, Sept. 9.
Jet engine with afterburner. C. R. Brown. 2,603,945, July 22.
Jet engine with compressor driven by rotating jets which exhaust into thrust augmenting duct. W. K. McNaught. 2,592,938, Apr. 15.
Jet for dual fuel burners, Dual fuel. C. R. Bottom. 2,582,582, Jan. 15.
Jet orifice, Adjustable. J. A. Robertson and E. A. Rock. 2,590,272, Mar. 25.
Jet pasting of starch. O. R. Etheridge. 2,582198, Jan. 8.
Jet propelled aircraft. H. Rivière. 2,589,732, Mar. 18.
Jet-propelled aircraft. R. A. Robert. 2,596,435, May 13.
Jet-propelled device. H. K. Endicott. 2,594,627, Apr. 29.
Jet-propelled rotary airfoil and fuel valve. G. A. Gruss. 2,597,582, May 20.
Jet-propelled wheeled vehicle. V. S. Rees. 2,591,376, Apr. 1.
Jet propulsion and boundary layer control system for aircraft. R. Anzionnaz, M. H. L. Sédille and R. J. Imbert. 2,604,277, July 22.

Jet propulsion and control means therefor. A. Douglas. 2,601,104, June 17.
Jet propulsion device for airscrews or rotary wings. R. Poulit. 2,590,457, Mar. 25.
Jet propulsion engine. C. J. McCormick. 2,601,311, June 24.
Jet propulsion means having vibrator therein. A. Vang. 2,601,471, June 24.
Jet propulsion plant. R. J. Imbert. 2,589,548, Mar. 18.
Jet propulsion system for airplanes. H. A. Berliner. 2,597,610, May 20.
Jet propulsion unit. J. A. Johnson. 2,588,532, Mar. 11.
Jet-propulsion unit with thrust increaser. G. F. Wislicenus. 2,620,624, Dec. 9.
Jet pump. L. L. Rose. 2,582,069, Jan. 8.
Jet pump. R. Von Rotz. 2,595,737, May 6.
Jet reaction engine of the turbine type. H. C. Godfrey. 2,586,025, Feb. 19.
Jet reaction motor. F. D. Barclay, Jr. 2,605,608, Aug. 5.
Jet-reaction motor, including gas nozzle generating steam. H. A. A. Exner. 2,594,629, Apr. 29.
Jet reaction propulsion apparatus for aircraft. R. H. Goddard. 2,602,610, July 8.
Jetty and like structure. C. Wets and A. Paduart. 2,612,758, Oct. 7.
Jewel setting press. J. R. Centini and W. A. Sterling. 2,602,986, July 15.
Jewelry. R. J. Stern. 2,585,183, Feb. 12.
Jewelry article. N. Barbieri. 2,584,087, Jan. 29.
Jewelry, Article of. J. Cuccioli. 2,601,433, June 24.
Jewelry chain connector. K. Zerr. 2,586,758, Feb. 19.
Jib crane. E. G. Humpal and R. O. Balogh. 2,588,928, Mar. 11
Jig assembly and guide for locating door lock recesses. W. B. Zern. 2,605,791, Aug. 5.
Jig for line reaming and boring machine. W. H. Evans. 2,614,443, Oct. 21.
Jig for pivotally suspending articles. K. M. Larsen. 2,588,128, Mar. 4.
Jig for treating materials of different specific gravities. E. Harvengt. 2,612,997, Oct. 7.
Jig saw. B. W. Hulfish. 2,619,996, Dec. 2.
Jig saw. A. R. Spelbring. 2,598,850, June 3.
Jig saw blade mounting. E. L. Hoffmann and A. L. Atkins. 2,613,700, Oct. 14.
Jig saw, Hydraulically operated. A. F. Nathan. 2,613,701, Oct. 14.
Jigging apparatus for industrial nailing machines. R. H. Heard. 2,609,536, Sept. 9.
Jogged wave guide ring type radio-frequency rotary joint. L. D. Breetz. 2,595,186, Apr. 29.
Joggling. L. J. Self. 2,619,149, Nov. 25.
Joining metal parts. E. K. Moore and A. P. Edson. 2,585,819, Feb. 12.
Joining sleeve. J. L. Wilburn. 2,601,351, June 24.
Joining surfaces of heat-fusible materials. H. W. Clowe and P. King. 2,622,053, Dec. 16.

Joint: *See*—

- Angularly adjustable pivot joint.
- Appliance handle joint.
- Ball joint.
- Closure joint.
- Compensated expansion joint.
- Concrete slab wall joint.
- Constant velocity universal joint.
- Conveyer swivel joint.
- Corner joint.
- Corrosion and solvent resistant pipe joint.
- Drilling joint.
- Expansion joint.
- Fishing rod joint.
- Flexible conduit joint.
- Flexible exhaust pipe joint.
- Flexible joint.
- Fluid handling swivel joint.
- Forehearth cooled refractory channel joint.
- Homokinetic joint.
- Hydrodynamic universal joint.
- Insulated wire joint.
- Jogged wave guide ring type radio-frequency rotary joint.
- Pipe and gasket joint.
- Pipe joint.
- Pivot joint.
- Precast concrete block joint.
- Rail joint.
- Railway switch joint.
- Resilient joint.
- Riveted joint.
- Rock drill rod joint.
- Rotatable wave guide joint.
- Rubber seal joint.
- Sash corner joint.
- Spline joint.
- Swivel joint.
- Swivel pipe joint.
- Tank joint.
- Tubular joint.
- Universal joint.
- Wave guide joint.
- Wave guide rotary joint.
- Welded joint.

Joint. J. H. Booth. 2,593,253, Apr. 15.
Joint. M. P. Graham. 2,586,646, Feb. 19.
Joint. H. W. Harrison and R. Bassinger. 2,597,482, May 20.
Joint. G. J. Scherba. 2,599,866, June 10.
Joint assembly for concrete pavements. J. H. Jacobson. 2,608,142, Aug. 26.
Joint construction. M. H. Alldredge and M. P. Graham. 2,615,737, Oct. 28.
Joint construction for artificial limbs. O. I. Fahlström. 2,594,752, Apr. 29.
Joint construction for endless belts. C. M. Lopez. 2,587,053, Feb. 26.
Joint for concrete slabs. J. H. Jacobson. 2,589,815, Mar. 18.
Joint for concrete slabs and the like. J. H. Jacobson. 2,619,884, Dec. 2.
Joint for electrical fittings. R. F. Fauser. 2,623,763, Dec. 30.
Joint for furniture construction. H. E. Johnson. 2,614,302, Oct. 21.
Joint for molds. H. S. Kuhn. 2,590,776, Mar. 25.
Joint for pipes carrying internal fluid pressure, Flexible. G. B. R. Feilden. 2,590,392, Mar. 25.
Joint for sheet piles. A. Schaack. 2,581,717, Jan. 8.
Joint for tie boring machines, Knuckle. F. J. Lahaie. 2,608,840, Sept. 2.
Joint for tubular metal furniture frames. M. Greitzer. 2,603,513, July 15.
Joint for twine. G. N. Willis. 2,605,603, Aug. 5.
Joint for wave guides. W. M. Goodhue. 2,597,081, May 20.
Joint having one center of deflection, Universal. J. T. Welsh. 2,584,648, Feb. 5.
Joint lock mechanism for digging cap of excavating tooth assemblies. A. N. Crawford. 2,610,416, Sept. 16.
Joint lubricant and sealing composition. G. M. Hain. 2,581,407, Jan. 8.
Joint or bearing, Self-aligning. P. C. Hutton. 2,606,795, Aug. 12.
Joint structure for pivoted tools. E. Balderstone. 2,592,641, Apr. 15.
Joint structure for wire display racks. H. J. Rubenstein. 2,609,937, Sept. 9.
Joint with telescoping annular member. G. Hansen. 2,616,729, Nov. 4.
Jointed fluorescent lamp fixture which may be collapsed for shipment. L. Mided and H. C. Gorden. 2,588,144, Mar. 4.
Jointed ladder for floating roofs. R. H. Pogue. 2,583,592, Jan. 29.
Jointer. J. N. Fenner. 2,581,475, Jan. 8.
Jointer and planer. W. L. Gaskell. 2,619,997, Dec. 2.
Jointing and molding machine. H. H. Hebestreit. 2,599,107, June 3.
Jordan engine plug construction. H. D. Stuck. 2,610,554, Sept. 16.
Jordan plug jacket. O. E. Larson. 2,601,814, July 1.
Journal bearing. F. Noe. 2,597,516, May 20.
Journal bearing with self-energized hydraulically loaded segment. D. F. Wilcock. 2,584,770, Feb. 5.
Journal box and hydraulic safety valve therefor. I. I. Cameron and B. C. Spransy. 2,588,204, Mar. 4.
Journal box arrangement. W. H. Baselt. 2,614,008 Oct. 14.
Journal box lid. G. F. Couch. 2,621,985, Dec. 16.
Journal box lid. H. J. Stewart. 2,621,984, Dec. 16.
Journal box lid. H. J. Stewart. 2,621,986, Dec. 16.
Journal box mounting. C. E. Tack. 2,598,082, May 27.
Journal for spinning and twisting spindles. K. Beerli. 2,583,080, Jan. 22.
Journal lubricator. W. J. Fitzsimmons. 2,599,246, June 3.
Journal lubricator. J. W. Hulson. 2,581,020, Jan. 1.
Juice and oil extraction machine. A. H. Ingalls. 2,617,354, Nov. 11.
Juice blend, Producing a. J. L. Parker. 2,599,476, June 3.
Juice can perforator and spout. W. D. Taylor. 2,618,408, Nov. 18.
Juice catcher for cooking utensils. F. L. Parenti. 2,607,338, Aug. 19.
Juice extractor. W. A. Doering. 2,590,237, Mar. 25.
Juice extractor. M. Hess. 2,604,034, July 22.
Juice extractor. R. C. Read and F. J. Gregor. 2,581,294, Jan. 1.
Juice overflow catchment trough. M. Richardson. 2,620,790, Dec. 9.
Juicer, Citrus fruit. R. E. Larsen. 2,599,464, June 3.
Juicer, Fruit. P. J. Kircher. 2,591,162, Apr. 1.
Juicer, Pull-rod rotary whole citrus. J. M. Halt. 2,608,152, Aug. 26.
Jumper, Maternity. L. W. Cormier. 2,591,513, Apr. 1.
Justifying and differential spacing device for typewriters and the like. R. P. Clarkson. 2,582,372, Jan. 15.
Kaleidoscope with rapidly oscillated elements and particles, Projecting. J. F. Elsnesser. 2,607,269, Aug. 19.
Kaolin-phosphoric acid polymerization catalyst. J. C. Morrell. 2,586,852, Feb. 26.
Keeper ring construction. C. L. Petch. 2,616,587, Nov. 4.
Kelly bushing. A. L. Stone. 2,620,163, Dec. 2.
Kelly drive for rotary drills. F. M. Capp and R. E. Adamson. 2,586,784, Feb. 26.
Keratin exfoliative compositions. W. O. Elson. 2,614,963, Oct. 21.
Kerf-cutting machine. H. W. Driehaus. 2,612,362, Sept. 30.
Kerf-cutting machine. F. A. Lindgren. 2,610,048, Sept. 9.
Ketene derivatives of steroids and making them. J. B. Rust. 2,623,055, Dec. 23.
Keto acid compounds, Preparation of. L. C. Woods and H. M. Teeter. 2,589,314, Mar. 18.
Keto-acid soap greases. L. W. Sproule, W. C. Pattenden, and L. F. King. 2,613,182, Oct. 7.
Ketoaliphatic acids derived from hydroxy and alkoxy diphenyl alkanes and the production thereof. R. R. Burtner and H. A. Arbit. 2,588,802, Mar. 11.

Ketodisiloxanes. L. H. Sommer. 2,591,736, Apr. 8.
Ketohalogenodimethylperhydrophenanthrenes and making same. K. Miescher and J.-R. Billeter. 2,590,636, Mar. 25.
Ketone soluble copolymer of methacrylonitrile and a diolefin. B. M. Vanderbilt and F. Bascom. 2,589,166, Mar. 11.
Ketones by dehydrocarboxylation of carboxylic acids, Preparation of. A. C. Zettlemoyer, W. C. Walker, and W. L. Stump. 2,612,524, Sept. 30.
Ketones, Production of. G. M. Kosolapoff. 2,587,488–9, Feb. 26.
Kettle. M. M. Guggenheim and R. L. Greenberg. 2,585,767, Feb. 12.
Kettledrum. S. Goodman. 2,587,310, Feb. 26.
Kettle drum. O. Murbach. 2,586,476, Feb. 19.
Kettle, Heating. E. G. Kohn. 2,593,768, Apr. 22.
Kettle, Water. P. Schlumbohm. 2,608,321, Aug. 26.
Key actuated double custody lock. O. A. Shann. 2,617,289, Nov. 11.
Key actuated punch. F. J. Furman. 2,620,877, Dec. 9.
Key assembly for musical instruments. E. J. Ens. 2,609,721, Sept. 9.
Key assembly for musical instruments. L. W. Halvorson. 2,586,944, Feb. 26.
Keyboard. O. Heim. 2,611,2991, Sept. 23.
Keyboard construction. L. B. Greenleaf and E. F. Swanson. 2,612,812, Oct. 7.
Keyboard controlled telegraph apparatus. R. D. Salmon. 2,623,118, Dec. 23.
Keyboard for musical instruments and keys therefor. N. J. Jewett. 2,599,999, June 10.
Keyboard key. J. E. Grobl. 2,615,547, Oct. 28.
Keyboard key. G. W. Hopkins and D. L. Rolph. 2,615,548, Oct. 28.
Keyboard key. C. K. Marlow. 2,615,549, Oct. 28.
Keyboard operated translating circuit. W. H. Burkhart and H. M. Fleming, Jr. 2,610,243, Sept. 9.
Keyboard structure. J. Streng. 2,585,699, Feb. 12.
Keyboards for dials in telegraph systems, Substituting. A. J. Bessonnet and P. C. Borel. 2,601,239, June 24.
Key carrying case. F. W. Baldwin. 2,605,802, Aug. 5.
Key case. R. W. Holmgren. 2,593,030, Apr. 15.
Key case. R. C. Lekat. 2,588,857, Mar. 11.
Key case. F. A. Pontin. 2,611,260, Sept. 23.
Key case. J. E. Rom. 2,580,600, Jan. 1.
Key case. S. W. Sam. 2,580,844–5, Jan. 1.
Key case. H. Snyder. 2,598,615, May 27.
Key case and selector. S. S. Lane. 2,602,320, July 8.
Key chain. T. M. Jablon. 2,589,260, Mar. 18.
Key container. M. Nachtigall. 2,622,432, Dec. 23.
Key control and spacer operating mechanism for plate embossing machines. F. De Minico. 2,585,542, Feb. 12.
Key controlled cylinder lock. R. Rambøj. 2,621,510, Dec. 16.
Key-cutting attachment for lathes. M. C. Cook. 2,604,020, July 22.
Key duplicating device. W. T. Lawrence. 2,619,713, Dec. 2.
Key ejecting lock. J. Mullan. 2,589,422, Mar. 18.
Key ejector case. K. W. Goodson. 2,618,958, Nov 25.
Key fastener. L. A. Swem. 2,601,644, June 24.
Key for musical instruments. W. G. Appel. 2,584,319, Feb. 5.
Key hanger support for key cases. R. P. Harvey. 2,582,033, Jan. 8.
Key head for stringed musical instruments. F. A. Hawy. 2,615,360, Oct. 28.
Key holder. F. W. Chesak. 2,607,210, Aug. 19.
Key holder. H. A. Gallagher. 2,600,749, June 17.
Key holder. J. I. Hager and E. W. Samford. 2,593,441, Apr. 22.
Key holder. H. J. Le Blanc. 2,604,775, July 29.
Key holder. S. Leff. 2,608,851, Sept. 2.
Key holder. L. J. Maas. 2,610,501, Sept. 16.
Key holder. H. C. Riepe. 2,584,617, Feb. 5.
Key holder frame. F. E. Johnson. 2,608,087–8, Aug. 26.
Key holder frame. W. I. Jones. 2,608,086, Aug. 26.
Key holder having visual perceptible key indicating means. W. W. and M. E. Prickett. 2,595,981, May 6.
Key holding ring. A. Cotti. 2,620,650, Dec. 9.
Keyhole splice. J. J. Domoj and S. Rosenberg. 2,600,395, June 17.
Key jack. H. E. Queen. 2,589,571, Mar. 18.
Key jack. H. E. Queen. 2,623,381, Dec. 30.
Key lock means for cash register control mechanism. M. A. Goodbar, A. J. Green, and H. O. Randall. 2,593,666, Apr. 22.
Key mechanism for radial drill arms. C. E. Linden and F. O. Wetzel. 2,602,682, July 8.
Key operated electric switch. W. E. Brown. 2,613,288, Oct. 7.
Key operated lock mechanism. L. E. Willett and R. G. Baker. 2,591,111, Apr. 1.
Key pouch. D. J. Nash and R. L. Hatfield. 2,583,961, Jan. 29.
Key puller. V. N. Labounsky. 2,607,110, Aug. 19.
Key retainer. P. H. Lamonde. 2,605,632, Aug. 5.
Key retainer. D. Michnoff. 2,600,563, June 17.
Key retainer. H. R. Segal. 2,601,331, June 24.
Key ring. W. H. Meeker. 2,615,324, Oct. 28.
Key seat wiper. J. J. Burris. 2,620,164, Dec. 2.
Key-seating device, Portable. F. R. Holt. 2,602,375, July 8.
Key, Self-ejecting. C. Glubiak. 2,587,037, Feb. 26.
Key support. R. C. Legat and E. Baretta. 2,606,438, Aug. 12.
Key, Two-piece. P. Ziegliss. 2,591,652, Apr. 1.
Keyway location gauge. E. L. Keene and D. C. Griffin. 2,611,187, Sept. 23.
Keyed automatic gain control. J. Avins. 2,609,443, Sept. 2.
Keyed automatic gain control. A. Cotsworth, III. 2,593,011, Apr. 15.
Keyed automatic gain control and sync separator. R. Crane, Jr., and L. L. Pourciau. 2,589,927, Mar. 18.
Keyed automatic gain control system. G. F. Rogers. 2,615,089, Oct. 21.
Keyed automatic gain control system. K. R. Wendt. 2,586,193, Feb. 19.
Keyed direct current reinsertion circuit. R. V. Lowman. 2,618,703, Nov. 18.
Keyed shaft coupling. E. C. Webb. 2,588,064, Mar. 4.
Keying arrangement for article dispensing systems. T. S. Skillman. 2,602,116, July 1.
Keying device for electronic organs. R. H. Campbell, Jr., and G. H. Hadden. 2,599,510, June 3.
Keying system. M. I. Jacob. 2,583,146, Jan. 22.
Kick starter. F. S. Thomas, Jr. 2,596,512, May 13.
Kicking animal target. E. P. Dow. 2,613,080, Oct. 7.
Killing submerged water weeds. J. M. Shaw, T. R. Bartley, and R. S. Rosenfels. 2,600,436, June 17.
Kiln. J. Frost, A. T. Mickle, and P. R. Pettey. 2,623,740, Dec. 30.
Kiln for ceramic ware. B. J. Moore. 2,295,804, May 6.
Kiln for heat-treating materials. P. C. Lipscomb. 2,600,306, June 10.
Kiln for regenerating absorbents. J. W. Payne. 2,580,827, Jan. 1.
Kiln for the recovery of acid values, Rotary. H. Miley. 2,587,639, Mar. 4.
Kiln, High-pressure steam. C. E. Ahlborn. 2,583,073, Jan. 22.
Kiln with protecting wall structure. W. W. Kraft, A. Davies, and O. C. Schauble. 2,623,810, Dec. 30.
Kinescope, Post-deflected color. J. A. Rajchman. 2,619,608, Nov. 25.
Kinetic boom damper. R. W. Hodgson and N. C. Parrish. 2,586,043, Feb. 19.
Kinetic energy coaster for bicycles. S. P. Nemeth. 2,580,944, Jan. 1.
Kinetic stop motion device. W. L. Duncan and E. L. Griggs, Jr. 2,590,518, Mar. 25.
Kineto-optical scanning with modulated light beam in television image projection. W. A. R. Malm. 2,588,740, Mar. 11.
Kingpin lubrication. W. H. Venable. 2,615,765, Oct. 28.
Kink eliminator for handsaws. J. L. Phillips. 2,612,919, Oct. 7.
Kinoptic device. R. T. Erban. 2,588,373, Mar. 11.
Kit. K. C. Havens. 2,583,532, Jan. 29.
Kit for artists. C. T. Allenbrook. 2,589,320, Mar. 18.
Kit for sorting cards. M. C. Nolan. 2,593,594, Apr. 22.
Kitchen appliance, Power-driven palm grasped. E. M. Brown and F. V. Forss. 2,582,229, Jan. 15.
Kitchen cabinet arrangement and table. B. Hoppe. 2,580,784, Jan. 1.
Kitchen or utility unit, Reinforced. G. L. C. Earle. 2,602,014, July 1.
Kitchen pot or pan scraper. W. L. Vinson. 2,589,753, Mar. 18.
Kitchen press. V. H. Springford. 2,591,311, Apr. 1.
Kitchen refuse receptacle. C. Belsky. 2,599,362, June 3.
Kitchen sink mounting. G. R. Harris. 2,584,581, Feb. 5.
Kitchen utensil holder. E. Sauer. 2,603,358, July 15.
Kite control. K. C. Howard. 2,613,894–5, Oct. 14.
Kite for the head ropes of trawl nets and similar fishing nets. J. W. Phillips. 2,603,904, July 22.
Kite reel. A. L. Crider. 2,600,049, June 10.
Kite, Single piece. F. L. Roe. 2,588,293, Mar. 4.
Kite string reel. F. S. Miller. 2,585,263, Feb. 12.
Kite, Water. H. L. Gross. 2,597,317, May 20.
Kneading and pressing device for machines for making alimentary pastes. G. and M. Braibanti. 2,620,752, Dec. 9.
Knee joint for orthopedic braces or artificial limbs, Lockable. M. C. Petruch. 2,591,373, Apr. 1.
Knee lock for artificial legs and control therefor. J. G. Catranis. 2,591,781, Apr. 8.
Knee pony. K. E. Sickelbower. 2,585,279, Feb. 12.
Knife adjusting means for power shears. K. Y. Messick. 2,605,836, Aug. 5.
Knife and holder mounting therefor. D. D. Demarest. 2,588,809, Mar. 11.
Knife and knife holder assembly in veneer cutting machines. E. H. Merritt. 2,607,377, Aug. 19.
Knife assembly for rotary cutters. E. J. Nevin. 2,598,933, June 3.
Knife attachment, Paring. C. H. Harvey. 2,582,988, Jan. 22.
Knife blade switch. W. J. Lewis. 2,620,415, Dec. 2.
Knife blades, Making. B. Miller. 2,584,470, Feb. 5.
Knife, Carton opening. E. N. Burnett. 2,582,677, Jan. 15.
Knife, Depth gauge cutter. C. C. Bettenhausen. 2,607,987, Aug. 26.

Knife edge pivot construction. L. S. Williams. 2,608,448, Aug. 26.
Knife for removing putty. H. U. Hurt. 2,602,995, July 15.
Knife or like implement, Sheathed. L. F. G. Foley. 2,591,655, Apr. 1.
Knife, Paper cutting-. J. W. Joseph. 2,608,757, Sept. 2.
Knife, Pocket. G. M. Schrade. 2,596,294, May 13.
Knife, Pocket razor blade. R. H. Stead. 2,596,303, May 13.
Knife, Putty smoothing. P. J. Palenchar. 2,586,372, Feb. 19.
Knife, Roofing. A. A. Podjaski. 2,589,128, Mar. 11.
Knife sharpener. F. B. Abramsen. 2,605,595, Aug. 5.
Knife sharpener. J. L. Murray. 2,616,231, Nov. 4.
Knife sheath, Self-locking. F. H. Gibson. 2,618,057, Nov. 18.
Knife, Skinning. J. J. Prohaska. 2,596,078–9, May 6.
Knife, Sliding blade. R. S. Krause and E. H. Seibert. 2,601,402, June 24.
Knife, Yarn. E. R. Jones. 2,601,724, July 1.
Knitted fabric. A. N. Tingley. 2,594,521, Apr. 29.
Knitted fabric. G. H. Woolley. 2,585,888, Feb. 12.
Knitted neckwear. B. Mendelsohn. 2,601,772, July 1.
Knitting. I. H. C. Green. 2,588,718, Mar. 11.
Knitting. L. Picard. 2,609,677, Sept. 9.
Knitting. P. L. St. Pierre. 2,585,597, Feb. 12.
Knitting aid. T. F. Ellis, Jr. 2,582,319, Jan. 15.
Knitting apparatus, Automatic transfer. C. W. Minton. 2,622,421, Dec. 23.
Knitting apparatus, Tubular necktie. H. Feineman. 2,618,944, Nov. 25.
Knitting elastic fabric. N. H. Smith. 2,592,966, Apr. 15.
Knitting machine. A. Belford. 2,588,473, Mar. 11.
Knitting machine. P. W. Bristow. 2,604,767, July 29.
Knitting machine. E. F. Reichert. 2,617,282, Nov. 11.
Knitting machine. J. E. Schuster. 2,604,768, July 29.
Knitting machine. A. Shortland. 2,591,883, Apr. 8.
Knitting machine. K. W. Wickardt. 2,623,371, Dec. 30.
Knitting machine. M. Zimic and A. Miskovsky. 2,600,369, June 10.
Knitting machine and method. N. Levin. 2,615,319, Oct. 28.
Knitting machine and operating same, Straight bar. F. Lambach. 2,584,136, Feb. 5.
Knitting machine and operating same, Straight bar. F. Lambach. 2,587,632, Mar. 4.
Knitting machine and the method of knitting thereon. E. S. Barshy and A. P. Saunders. 2,621,499, Dec. 16.
Knitting machine attachment. F. G. Welsbecker. 2,583,453, Jan. 22.
Knitting machine, Circular. C. Camnasio, G. A. Venturelli and G. Colalupo. 2,606,432, Aug. 12.
Knitting machine, Double cylinder circular. C. Camnasio, G. A. Venturelli, and G. Colalupo. 2,600,203, June 10.
Knitting machine for and method of plating C. F. Miller. 2,616,276, Nov. 4.
Knitting machine for production of run-resistant knitted fabric, Straight bar. L. Brown and J. E. Lynam. 2,593,006, Apr. 15.
Knitting machine for stockings and the like, Circular. C. Camnasio, G. A. Venturelli and G. Colalupo. 2,595,922, May 6.
Knitting machine for wrap striping. F. E. Deans and C. H. Wainwright. 2,612,032, Sept. 30.
Knitting machine, Full-fashioned. M. Jeffrey. 2,591,659, Apr. 1.
Knitting machine having an auxiliary presser bar. A. J. Cobert. 2,617,284, Nov. 11.
Knitting machine jack holder. J. Václavík. 2,580,620, Jan. 1.
Knitting machine presser edge. J. H. Coulliete. 2,594,128, Apr. 22.
Knitting machine, Straight-bar. E. Luchsinger. 2,621,498, Dec. 16.
Knitting machine, Straight bar. J. E. Lynam and L. Brown. 2,585,804, Feb. 12.
Knitting machine, Straight bar. A. P. Saunders. 2,580,603, Jan. 1.
Knitting machine, Straight bar. K. W. Wickardt. 2,618,946, Nov. 25.
Knitting machines, Power-operated circular. E. V. Stibbe and L. W Gibbins. 2,580,617, Jan. 1.
Knitting mechanism. H. L. Curtis. 2,596,535, May 13.
Knitting needle clip. E. V. Landon. 2,591,836, Apr. 8.
Knob and shaft assembly. T. R. Kilgour. 2,617,216, Nov. 11.
Knob construction, Swivel. E. J. Markvart. 2,621,947, Dec. 16.
Knockdown box. R. M. Bergstein. 2,590,371, Mar. 25.
Knockdown chair. T. F. Debski. 2,617,476, Nov. 11.
Knockdown display rack. B. F. Beach. 2,600,101, June 10.
Knockdown pedestal lawn table. R. M. Metcalf. 2,607,648, Aug. 19.
Knockdown stand. P. Vogt. 2,593,077, Apr. 15.
Knockdown table. P. C. Curtis. 2,615,770–1, Oct. 28.
Knockdown type platform for metal sheets and the like. C. E. Miller. 2,614,689, Oct. 21.
Knockout mechanism for casting wheels. W. J. McNamara. 2,605,522, Aug. 5.
Knot. A. A. Nellis, Jr. 2,591,854, Apr. 8.
Knot and making the same. J. H. Frontel. 2,619,704, Dec. 2.
Knot tying mechanism. T. J. B. Connor. 2,608,426, Aug. 26.
Knuckle joint for rearvision reflectors. F. N. Mariani. 2,600,893, June 17.
Knurling machine. C. F. Jones. 2,593,887, Apr. 22.
Knurling machine. J. J. Wittman. 2,590,667, Mar. 25.
L-xylose, Production of. R. C. Hockett. 2,584,129, Feb. 5.
Label affixing machine for containers. J. Kantor, E. Rosenberg, and A. C. Small. 2,618,397, Nov. 18.
Label and foil wiping apparatus. A. C. Tess. 2,601,934, July 1.
Label applying machine. R. J. Gaubert. 2,619,247, Nov. 25.
Label dispenser. C. G. Thiene and R. S. Avery. 2,602,719, July 8.
Label for re-usable bottles. A. I. Totten, Jr. 2,613,168, Oct. 7.
Label gulding attachment for typewriters. G. W. Martin. 2,609,909, Sept. 9.
Label holding attachment for typewriters. G. W. Martin. 2,622,717, Dec. 23.
Labeled open-mesh bag. C. V. Brady and A. F. Ottinger. 2,588,695, Mar. 11.
Labeling apparatus. C. Ouellette. 2,613,008, Oct. 7.
Labeling containers. L. M. Perry. 2,621,823, Dec. 16.
Labeling machine. N. Beck. 2,583,807, Jan. 29.
Labeling machine. N. Beck. 2,597,431, May 20.
Labeling machine. D. H. Fairest. 2,589,787, Mar. 18.
Labeling machine. C. C. Hall, R. W. Hompe, and J. A. Martell. 2,608,316, Aug. 26.
Labeling machine. R. J. Newman and D. S. Friend. 2,586,983, Feb. 26.
Labeling machine. D. Pargh. 2,602,560, July 8.
Laboratory balance. L. S. Williams. 2,582,517, Jan. 15.
Laboratory demonstration apparatus. F. E. Lambert, Jr. 2,596,034, May 6.
Laboratory device for determining melting points. N. A. Kajola. 2,595,386, May 6.
Labyrinth seal. A. Winther. 2,587,077, Feb. 26.
Labyrinth seal arrangement. F. L. Hargrove. 2,600,991, June 17.
Lace. S. W. Sam. 2,580,843, Jan. 1.
Lacing device. W. I. Thomas. 2,604,239, July 22.
Lacing machine. F. E. Wirtz. 2,580,871, Jan. 1.
Lacquer compositions containing the rosin ester of 2,2,6,6-tetramethylolcyclohexanol. H. Wittcoff and W. A. Jordan. 2,592,502, Apr. 8.
Lactalbumin of improved taste for human consumption. W. J. Pratt and F. H. Tinkler. 2,606,181, Aug. 5.
Lactalbumin purification. J. D. Ingle and R. T. Stabl. 2,607,766, Aug. 19.
Lactic acid, Producing. R. S. Aries and H. C. Needle. 2,588,460, Mar. 11.
Ladder. R. O. Balogh. 2,582,520, Jan. 15.
Ladder. H. S. and P. R. Langley. 2,618,427, Nov. 18.
Ladder. H. G. Mahoney. 2,622,783, Dec. 23.
Ladder. G. E. Reagle. 2,594,070, Apr. 22.
Ladder, Adjustable mobile. H. W. Rieser. 2,600,807, June 17.
Ladder, Adjustable offset. W. C. Smith. 2,587,659, Mar. 4.
Ladder and extensible loading ramp for platforms, Combined. D. R. Biggert and H. P. Goedicke. 2,611,466, Sept. 23.
Ladder and hoist therefor, Extension. H. L. Campbell. 2,588,959, Mar. 11.
Ladder and receptacle therefor, Flexible. C. H. Bellamy. 2,616,608, Nov. 4.
Ladder bracket. F. B. Finney. 2,599,169, June 3.
Ladder bracket for supporting paint pails. J. Miles. 2,601,413, June 24.
Ladder clamp. M. Smith and L. A. Stewart. 2,615,667, Oct. 28.
Ladder, Combination. C. R. Healvilin. 2,589,079, Mar. 11.
Ladder, Convertible. H. L. Garner. 2,584,197, Feb. 5.
Ladder extension. J. E. Maxson. 2,599,117, June 3.
Ladder, Extension. H. L. Wheelden. 2,610,875, Sept. 16.
Ladder, Flexible. R. F. Morcaldi D'. 2,585,671, Feb. 12.
Ladder, Flexible. W. Williams and S. D. Studd. 2,607,523, Aug. 19.
Ladder foot. O. M. Guldjord. 2,620,115, Dec. 2.
Ladder hinge. O. E. Nehler. 2,608,337, Aug. 26.
Ladder jack. E. H. Colvin. 2,605,950, Aug. 5.
Ladder of lightweight metals. J. Huck. 2,594,561, Apr. 29.
Ladder rest. S. J. Roketa. 2,597,902, May 27.
Ladder side member extension attachment. L. P. Noel, H. J. Griffin, and H. D. De Moss. 2,602,580, July 8.
Ladder step. D. F. McGill. 2,585,150, Feb. 12.
Ladder step, Adjustable. O. E. Carlson. 2,599,976, June 10.
Ladder stilt, Adjustable. L. C. Dole. 2,608,336, Aug. 26.
Ladder, Stowable truck. H. J. Knibbs. 2,621,846, Dec. 16.
Ladder structure. W. T. Mason. 2,598,278, May 27.
Ladder support. W. P. E. Smith. 2,605,037, July 29.
Ladder tape. L. J. Rasero. 2,590,889, Apr. 1.
Ladder, Venetian blind. T. A. Martin and J. L. Hunter. 2,588,550, Mar. 11.
Lading strap fastening means. M. S. Johnson. 2,596,855, May 13.

Lading strap fastening means. E. P. Smith. 2,599,873, June 10.
Lading tie fastener. M. S. Johnson and E. P. Smith. 2,605,721, Aug. 5.
Lading tie fasteuer. G. F. Oakley. 2,587,882, Mar. 4.
Lading tie fastener. E. P. Smith and M. S. Johnson. 2,605,719, Aug. 5.
Lag fuse. G. F. Laing. 2,613,297, Oct. 7.
Lamelliform earthenware, Manufacturing. A. dal Borgo. 2,600,212, June 10.
Laminated advertising structure. P. Willner. 2,621,432, Dec. 16.
Laminated article having an unimpregnated surface and making the same. N. W. Knewstubb and C. N. Jenkins. 2,587,171, Feb. 26.
Laminated assembly. F. Gray. 2,582,984, Jan. 22.
Laminated bowling pin. C. D. Dosker. 2,618,481, Nov. 18.
Laminated box toe stiffening material. R. B. Harrison. 2,616,482, Nov. 4.
Laminated box toe stiffening material. R. B. Harrison. 2,616,821, Nov. 4.
Laminated covering and making same. R. K. Petry. 2,590,032, Mar. 18.
Laminated electrical assembly and making the same. W. Hargreaves. 2,588,719, Mar. 11.
Laminated furring nail spacers, Manufacture of. E. M. Parker. 2,618,311, Nov. 18.
Laminated insulating block and making the same. J. H. Zettel. 2,612,462, Sept. 30.
Laminated panel. L. B. Weymouth. 2,616,823, Nov. 4.
Laminated paper containing activated carbon. F. Howard. 2,593,146, Apr. 15.
Laminated pipe and making same. H. E. Boge. 2,609,319, Sept. 2.
Laminated products and adhesive compositions of matter. C. J. Mighton. Re. 23,451, Jan. 15.
Laminated safety glass structure and making the same. R. A. Gaiser. 2,584,859, Feb. 5.
Laminated sheet for use as a wall or floor covering. J. M. Lurie. 2,589,502, Mar. 18.
Laminated sheet material. G. G. Rumberger and A. M. Heald. 2,599,130, June 3.
Laminated sheet material and making such material. B. Messing. 2,621,139, Dec. 9.
Laminated spring disk lock nut. J. F. Healy. 2,616,474, Nov. 4.
Laminated stretched film J. E. Snyder and F. J. Young. 2,594,229, Apr. 22.
Laminating articles. V. A. Navikas. 2,601,318, June 24.
Laminating glassine paper. J. I. Fisher and G. C. Borden, Jr. 2,610,939, Sept. 16.
Laminating photographic color film to glass. W. A. Ayres. 2,591,665, Apr. 8.

Lamp: *See*—
- Animated decorative lamp.
- Arc lamp.
- Electric arc lamp.
- Electric incandescent lamp.
- Electrical discharge lamp.
- Flash lamp.
- Fluorescent discharge lamp.
- Fluorescent lamp.
- General utility lamp.
- Gyroscopically controlled dirigible lamp.
- High-pressure mercury vapor lamp.
- Incandescent electric lamp
- Incandescent lamp.
- Infrared heating and cooking lamp.
- Leak detecting lamp.
- Miner's lamp.
- Multiple flash lamp.
- Pocket sun health lamp.
- Portable electric service lamp.
- Portable self-contained reading lamp.
- Sealed beam lamp.
- Vapor discharge lamp.
- Waterproof pilot lamp.

Lamp. G. F. Embshoff and G. Sperti. 2,613,328, Oct. 7.
Lamp and shelf, Combined wall. C. H. Johnson. 2,593,886, Apr. 22.
Lamp and switch therefor, Flat casing electric hand. R. H. Beavis. 2,618,737, Nov. 18.
Lamp and television antenna, Combination. T. A. Stiffel. 2,583,066, Jan. 22.
Lamp assembly of the pin-up type, Electric. R. D. Schear and J. G. Berg. 2,586,389, Feb. 19.
Lamp base printing mechanism. L. P. Tyler. 2,619,032, Nov. 25.
Lamp bulb, Electric. E. A. Hörberg. 2,615,073, Oct. 21.
Lamp case for elongated tubular lamps. E. T. Roberts. 2,609,483, Sept. 2.
Lamp construction having column switching means. P. C. Calissi. 2,584,548, Feb. 5.
Lamp container. D. G. Mitchell. 2,593,689, Apr. 22.
Lamp diffuser for elongated tubular lamps. R. D. Lee. 2,601,034, June 17.
Lamp fixture, Brooder heat. M. V. Schubert, Jr., B. E. Langohr, and L. J. Badskey. 2,603,738, July 15.
Lamp for projecting a full circle high intensity light spread, Aircraft position. C. Adler, Jr. 2,605,384, July 29.
Lamp for use on motor vehicles, Signal. E. C. Laubaugh. 2,596,256, May 13.
Lamp guiding and mounting means. T. B. Farrington. 2,618,454, Nov. 18.
Lamp having a revolvable shade structure, Electric. J. Palmieri. 2,611,071, Sept. 16.
Lamp having hollow translucent, lamp-socket-supporting members containing translucent electrolyte. H. D. Spence. 2,589,448, Mar. 18.
Lamp holder for double ended tubular lamps. B. C. Webster. 2,610,997, Sept. 16.
Lamp holder for tubular electric lamps with axially projecting contacts. G. F. Axberg. 2,623,088, Dec. 23.
Lampholder, Ventilated. D. G. Kimball. 2,605,389, July 29.
Lamp holder with adjustable reflector, Portable. R. H. Engelhardt and D. A. D. Smith. 2,602,880, July 8.
Lamphouse for printing apparatus. H. H. Hillmer and H. P. Orent. 2,614,470, Oct. 21.
Lamp lead insulator. W. B. Elmer. 2,598,772, June 3.
Lamp or similar article, Electric. L. G. Leighton. 2,624,019, Dec. 30.
Lamp or the like, Arc. R. C. Beitz. 2,609,519, Sept. 2.
Lamp receptacle having eyelet shell securing means, Electric. L. E. Palmer. 2,596,718, May 13.
Lamp replacer for push-pull fixtures. L. Stueland. 2,589,642, Mar. 18.
Lamp shade adjustably mounted directly on an elongated tube. J. C. Long. 2,595,275, May 6.
Lamp shade and mounting therefor. W. E. Vogel. 2,596,626, May 13.
Lamp shade and supporting member therefor. W. Sher. 2,622,190, Dec. 16.
Lamp shade frame having a removable cover. C. F. Johnson. 2,585,248, Feb. 12.
Lamp shade frame having an adhesively secured tubular cover. K. Weltsch. 2,607,886, Aug. 19.
Lamp shade having a thermoplastic molding securing it to supporting arms. J. J. Scherer. 2,585,176, Feb. 12.
Lamp shade having shade material secured to frame by means of stiff but flexible strips. B. J. Cohon. 2,593,272, Apr. 15.
Lamp shade having slide fastener securing means, Removable. K. A. Stroschein. 2,606,280, Aug. 5.
Lamp shade providing a display of blending colors. Ornamental. M. C. Thorstensen. 2,595,732, May 6.
Lamp shade structure, Fluorescent. W. A. Foster. 2,617,918, Nov. 11.
Lamp socket. G. B. Benander. 2,620,376, Dec. 2.
Lamp socket for elongated tubular fluorescent discharge lamps. F. C. De Reamer. 2,604,505, July 22.
Lamp socket for elongated tubular lamps. F. C. de Reamer. 2,584,677, Feb. 5.
Lamp socket for snap fastener panel engagement. W. A. Bedford, Jr. 2,616,944, Nov. 4.
Lamp socket mounting and fastener therefor. G. A. Tinnerman. 2,596,056, May 6.
Lamp socket, Panel mounted. C. W. Cochran. 2,611,000, Sept. 16.
Lamp socket supporting means. G. J. Thomas. 2,595,994, May 6.
Lamp socket switch using either key or pull mechanism in the same housing. H. Hubbell. 2,623,134, Dec. 23.
Lamp stand and tripod. H. M. Breakiron. 2,611,571, Sept. 23.
Lamp support for insertion in tubular lamp stands. L. Rosenfeld. 2,594,074, Apr. 22.
Lamp switch. L. M. Patrick. 2,612,570, Sept. 30.
Lamp switch actuator for use in conjunction with a telephone apparatus. E. A. Bolle. 2,586,910, Feb. 26.
Lamp unit. E. B. Noel and P. B. Davis. 2,624,023, Dec. 30.
Lamp unit, Tubular electric discharge. E. Mann. 2,581,546, Jan. 8.
Lamp vaporizer. G. C. Bauer. 2,588,471, Mar. 11.
Lamp with adjustable light deflector, Decorative table. L. Secrist. 2,592,962, Apr. 15.
Lamp with adjustable shutter, Portable bed. T. C. Matson, R. N. Riewerts, and D. E. Mortensen. 2,612,599, Sept. 30.
Lamp with alarm clock, Bed. R. R. De Martin. 2,598,978, June 3.
Lamp with ball switch, Electric. J. Marino. 2,591,571, Apr. 1.
Lamp with heat-reducing means, Sealed beam filament. H. W. Alexander. 2,592,102, Apr. 8.
Lamp with rotatable shade and mirror, Wall. A. E. Wiedenhoeft. 2,587,941, Mar. 4.
Lamp with swingable fluorescent lamp structure thereon, Stand. T. Fleishman. 2,618,739, Nov. 18.
Land and water vehicle. O. R. Branco. 2,606,519, Aug. 12.
Land leveler. J. V. Howard. 2,614,346, Oct. 21.
Land leveler. S. Keim. 2,581,672, Jan. 8.
Land leveler. F. Wilson and V. Bugg. 2,619,749, Dec. 2.
Landing gear. F. R. Harris. 2,617,131, Nov. 11.
Landing gear and flap control for tethered model airplanes. D. E. Hyatt. 2,584,588, Feb. 5.
Landing gear for aircraft, Endless track. R. W. Allen. 2,605,146, July 29.
Landing gear for aircraft, Retractable. R. L. Levy. 2,591,839, Apr. 8.
Landing gear for aircraft, Retractable. R. A. Robert. 2,589,434, Mar. 18.
Landing gear for airplanes, Steerable. K. F. Pittman. 2,621,002, Dec. 9.
Landing gear for toy airplanes, Retractable. H. H. Sharp. 2,603,033, July 15.
Landing gear with prerotation means, Track tread. O. E. Dever. 2,613,892, Oct. 14.

Landing information receiving system. A. Casabona and G. Stavis. 2,611,892, Sept. 23.
Landing net. R. L. E. Delcey. 2,620,585, Dec. 9.
Landing retarder for model planes. J. K. Shannon. 2,583,125, Jan. 22.
Landing strut or the like. L. R. Gruss. 2,608,404, Aug. 26.
Lanolin products. W. C. Griffin. 2,608,563, Aug. 26.
Lantern attachment. R. F. Wickman. 2,583,916, Jan. 29.
Lantern bracket. T. D. Mallison. 2,598,130, May 27.
Lantern for long-burning candles, Outdoor. D. O. C. and H. C. Deckert. 2,606,279, Aug. 5.
Lantern, Gasoline. J. L. Cahill. 2,590,434, Mar. 25.
Lantern, Inverted incandescent mantle. C. W. Davis and J. W. Switack. 2,619,820, Dec. 2.
Lantern, Multiple bulb electric. C. W. Crumrine and B. W. Jacobs. 2,623,158, Dec. 23.
Lantern, Signal. V. B. and A. K. C. A. B. Madsen. 2,581,803, Jan. 8.
Lap pin and calender rack. F. Hunter. 2,584,457, Feb. 5.
Lap robe, Convertible. L. T. Nelson. 2,611,899, Sept. 30.
Lap seam for coated cord fabric and making same. M. M. Cunningham. 2,615,487, Oct. 28.
Lap truing machine. W. A. Gunning and G. C. Favre. 2,599,759, June 10.
Lapping machine. H. S. Indge. 2,581,106, Jan. 1.
Lapping machine. H. S. Indge. 2,610,451 Sept. 16.
Lapping machine. H. S. Indge. 2,618,911, Nov. 25.
Lapping method and apparatus. T. G. Lewis. 2,612,736, Oct. 7.
Lapping thread ring gauge. A. E. Langmaid and R. A. Bloom. 2,591,167, Apr. 1.
Large electrode with thermal stress relief. C. H. Chappell. 2,603,669, July 15.
Laryngectomic shield. C. M. Taintor. 2,606,553, Aug. 12.
Lashing anchor. M. S. Harris. 2,608,167, Aug. 26.
Lashing machine for aerial cables. D. J. Neale. 2,592,943, Apr. 15.
Last. H. Gulbrandsen. 2,598,688, June 3.
Last jack. G. F. Ryan. 2,621,347, Dec. 16.
Last puller. R. W. Mallery. 2,605,485, Aug. 5.
Lasting machine. C. M. Bagshaw and H. Lane. 2,595,323, May 6.
Lasting machine. E. L. Butler and A. Eppler, Jr. 2,604,645, July 29.
Lasting machine. T. P. Courchene. 2,613,376, Oct. 14.
Lasting machine. J. Fossa. 2,611,141, Sept. 23.
Lasting machine. B. Jorgensen. 2,614,275, Oct. 21.
Lasting machine. N. H. Knowlton. 2,599,645, June 10.
Lasting machine. R. H. Lawson. 2,618,794, Nov. 25.
Lasting machine. L. S. Macdonald. 2,589,412, Mar. 18.
Lasting machine. L. S. Macdonald. 2,605,484, Aug. 5.
Lasting machine. L. G. Miller. 2,618,793, Nov 25.
Lasting machine. L. E. Proulx and R. L. Hill. 2,596,169, May 13.
Lasting machine. E. W. Stacey and D. W. Hannable. 2,617,127, Nov. 11.
Lasting machine. Double wiper. J. S. Kamborian. 2,607,936, Aug. 26.
Lasting wiper. E. L. Butler. 2,619,660, Dec. 2.
Latch: *See*—
- Adjustable safety latch.
- Automobile door safety latch.
- Automobile rear door latch.
- Cord rack latch.
- Door and gate latch.
- Door latch.
- Extended door latch.
- Finger release latch.
- Flush type toggle latch.
- Gate latch.
- Hinge latch.
- Magnetic door latch.
- Mechanical pressure latch.
- Reversible door latch.
- Shoe latch.
- Solenoid-operated latch.
- Spring latch.
- Toaster crumb tray latch.

Latch, V. J. Acuazzo. 2,587,582, Mar. 4.
Latch, H. Christensen. 2,621,953, Dec. 16.
Latch, C. A. Hillgren. 2,605,124, July 29.
Latch, C. W. Lang. 2,589,405, Mar. 18.
Latch, F. McConnell. 2,614,876, Oct. 21.
Latch, N. A. Welch. 2,591,647, Apr. 1.
Latch actuating and locking mechanism. E. L. Allen. 2,603,963, July 22.
Latch and handle mechanism. H. W. Whitmore. 2,601,577, June 24.
Latch and pivot for folding rules. R. E. Hopp. 2,584,451, Feb. 5.
Latch bolt structure. W. A. Endter. 2,622,906, Dec. 23.
Latch bolt unit, Reversible. E. L. Schlage. 2,613,094, Oct. 7.
Latch connector for sectional table tops. J. A. Mahr. 2,619,394, Nov. 25.
Latch construction, Door. D. J. Seaman and A. E. Wood. 2,581,606, Jan. 8.
Latch construction for sealed burial casket. B. J. Slaughter, Jr. 2,607,102, Aug. 19.
Latch dampening device. G. B. Dorey. 2,588,219, Mar. 4.
Latch device, Electromagnetically controlled. W. S. Anderson, Jr. 2,609,704, Sept. 9.
Latch for automobile doors, Safety. L. Santosuosso. 2,582,167, Jan. 8.
Latch for doors, Magnetic. J. F. Manting. 2,584,480, Feb. 5.
Latch for hopper car doors. G. B. Dorey. 2,609,759, Sept. 9.
Latch for pivoted convertible seats for vehicles. C. B. Doty. 2,602,691, July 8.
Latch for pivoted locking bolts for repeating firearms. V. A. Browning. 2,614,462, Oct. 21.
Latch for repeating firearms, Carrier. V. A. Browning. 2,586,509, Feb. 19.
Latch for slidable side jaw wrenches. M. K. and A. G. Hicks. 2,582,591, Jan. 15.
Latch for throttle control pedals. G. W. Peterman. 2,586,435, Feb. 19.
Latch grip, Automatic. L. F. Metzger. 2,611,636, Sept. 23.
Latch means. L. T. Larson. 2,598,805, June 3.
Latch mechanism. E. L. Allen. 2,608,428, Aug. 26.
Latch mechanism. R. J. Brandt. 2,593,971, Apr. 22.
Latch mechanism. R. C. Cerf, Jr. 2,611,635, Sept. 23.
Latch mechanism. A. Colonna. 2,600,483, June 17.
Latch mechanism. R. D. Gayner, T. C. Wood, and M. C. Copold. 2,610,880, Sept. 16.
Latch mechanism. E. B. Jacobson. 2,622,910, Dec. 23.
Latch mechanism. H. R. Linderfelt. 2,587,867, Mar. 4.
Latch mechanism for perforator matrix elements. N. S. Miller. 2,589,271, Mar. 18.
Latch mechanism, Reversible. A. F. Licktelg, Jr. 2,622,908, Dec. 23.
Latch mechanism, Take-up. W. A. Endter. 2,622,909, Dec. 23.
Latch operating mechanism. H. W. Sanford and H. W. Jones. 2,616,576, Nov. 4.
Latch position signaling device. J. J. Progress. 2,605,330, July 29.
Latch release contact for electric switches. E. A. Miller. 2,586,075, Feb. 19.
Latch release mechanism. V. A. Mead. 2,586,847, Feb. 26.
Latch releasing door handle. G. V. Jakeway. 2,591,822, Apr. 8.
Latch retracting device for doors. G. G. Griffiths. 2,588,108, Mar. 4.
Latch structure. H. R. Dickinson. 2,593,662, Apr. 22.
Latch tripping mechanism. R. E. Linville. 2,621,809, Dec. 16.
Latch with lock dogging means. R. Levane. 2,620,645, Dec. 9.
Latching apparatus. U. L. Thomas. 2,603,515, July 15.
Latching device for lockers. J. B. O'Connor. 2,595,473, May 6.
Latching means for electric motor shafts. O. S. Field. 2,597,785, May 20.
Latching means for handbag frames. W. L. Strauss. 2,581,729, Jan. 8.
Latching means for hopper doors of railway cars. G. B. Dorey. 2,620,746, Dec. 9.
Latching means for staple supporting slides. G. J. Rundblad. 2,599,131, June 3.
Latching mechanism, Automatic. F. I. Steele. 2,594,511, Apr. 29.
Latching mechanism, Fender shield. G. W. Schatzman. 2,607,612, Aug. 19.
Latching mechanism for hopper doors of railway hopper type cars. G. B. Dorey. 2,606,507, Aug. 12.
Lateral arm assembly for aluminum awnings. C. B. Huizenga. 2,585,319, Feb. 12.
Lateral moving table leg fastener. F. Ohlsson. 2,611,672, Sept. 23.
Laterally adjustable endless tracks for tractors. J. Ludema. 2,618,349, Nov. 18.
Laterally expansible lighting fixture and part therefor. R. L. Hohl. 2,617,919, Nov. 11.
Laterally extendible sliding shelf. E. G. Rudman. 2,604,374, July 22.
Laterally folding chair. J. G. Leslie and L. N. Robinson. 2,621,711, Dec. 16.
Laterally movable car door. F. Ditchfield. 2,591,412, Apr. 1.
Laterally movable door. W. A. Beauchamp. 2,605,515, Aug. 5.
Latex foam stabilized with ethyl orthosilicate and ammonia. E. B. Lewis. 2,585,143, Feb. 12.
Latex impregnated luffa and preparing the same. H. N. Schumann. 2,592,747, Apr. 15.
Lathe. J. E. Lovely and R. M. Gamble. 2,592,920, Apr. 15.
Lathe attachment. C. Gracchi. 2,621,396, Dec. 16.
Lathe attachment. A. P. Heldenbrand. 2,606,034, Aug. 5.
Lathe attachment. L. M. Keef. 2,591,552, Apr. 1.
Lathe attachment. E. G. Kesling. 2,607,240, Aug. 19.
Lathe attachment. C. P. Manning. 2,616,338, Nov. 4.
Lathe chuck support. C. R. Terry. 2,584,169, Feb. 5.
Lathe jig for turning crankshafts. N. Mosca. 2,599,931, June 10.
Lathe stock feeder. E. Johnson. 2,623,268, Dec. 30.
Lathe stop. O. E. Kjellberg. 2,604,000, July 22.
Lathe tailstock and combination tool, Adjustable. H. A. Barkus. 2,607,105, Aug. 19.
Lathe tool holder. C. M. Rhodin. 2,609,593, Sept. 9.
Lathe transmission. F. Uhink, F. Lautenbach, J. Irtenkauf, K. Fickenscher, and R. Haller. 2,621,531, Dec. 16.
Lathe turret. R. Stehl. 2,620,548, Dec. 9.
Lather dispenser. A. L. Bobrick. 2,615,757, Oct. 28.
Lather machine. G. C. and A. O. Johnson. 2,610,090, Sept. 9.
Latitude-longitude counter. E. Nyyssonen and A. C. Hughes, Jr. 2,605,047, July 29.

Lattice panel spacer for holding a plurality of lugs in a compact, rigid unit. F. C. Huebner. 2,585,778, Feb. 12.
Launching device. L. L. Dreibelbis. 2,606,725, Aug. 12.
Launderable semistiff fabrics or articles of wearing apparel, Production of. E. Higgins. 2,603,582, July 15.
Laundering device. W. Gibbons. 2,606,435, Aug. 12.
Laundering machine. J. F. Belaieff. 2,615,320, Oct. 28.
Laundering machine. P. E. Geidhof and L. Ringer. 2,610,498, Sept. 16.
Laundry apparatus. E. K. Clark. 2,621,423, Dec. 16.
Laundry apparatus. C. C. Scheele. 2,595,609, May 6.
Laundry apparatus for folding flat pieces of material. J. Swift. 2,621,927, Dec. 16.
Laundry drier. C. S. O'Neil. 2,587,645, Mar. 4.
Laundry flat piece spreader. M. A. Pocock. 2,585,834, Feb. 12.
Laundry iron support. W. T. Rickles. 2,584,370, Feb. 5.
Laundry iron support. W. T. Rickles. 2,599,941, June 10.
Laundry listing machine. W. J. Keuper. 2,583,486, Jan. 22.
Laundry machine. M. Beucler. 2,584,833. Feb. 5.
Laundry machine. J. W. Chamberlin. 2,607,208, Aug. 19.
Laundry machine. J. G. De Remer. 2,604,771, July 29.
Laundry machine. J. F. Horvath. 2,598,057, May 27.
Laundry machine tumbling drum. P. W. Douglas. 2,586,794, Feb. 26.
Laundry sorting apparatus. J. G. Mackechnie, Jr. 2,589,561, Mar. 18.
Laundry starch composition. G. L. Hervert. 2,620,281, Dec. 2.
Laundry stick. R. R. Forward, Jr. 2,623,771, Dec. 30.
Lavatory and combined supporting bracket and towel rack therefor. K. G. Zummach. 2,583,922, Jan. 29.
Lavatory apparatus for railway cars, Pivoted. J. E. Candlin, Jr. 2,582,003, Jan. 8.
Lavatory hanger. J. R. Beam. 2,584,107, Feb. 5.
Lawn and crop sprinkler. Z. Wieseltier. 2,623,788, Dec. 30.
Lawn edge trimmer. P. D. McAuliffe. 2,608,044, Aug. 26.
Lawn edger. I. Mjelva. 2,592,450, Apr. 8.
Lawn edger. E. R. Sitton. 2,594,508, Apr. 29.
Lawn edger for lawn mowers. O. Pivert. 2,603,931, July 22.
Lawn hand seeder. O. Schwarm and J. A. Prasky. 2,600,131, June 10.
Lawn mower. E. L. Boyce and H. Goldberg. 2,583,543, Jan. 29.
Lawn mower. R. H. Herman. 2,585,315, Feb. 12.
Lawn mower. I. Jepson. 2,597,735, May 20.
Lawn mower. S. Sherrow. 2,592,963, Apr. 15.
Lawn mower. J. E. Tom. 2,603,932, July 22.
Lawn mower attachment. E. D. Fishburn. 2,597,981, May 27.
Lawn mower. Disk-type. H. E. Reiter. 2,585,405, Feb. 12.
Lawn mower, Double-sickle. J. D. Pirtle. 2,603,935, July 22.
Lawn mower grass catcher. P. G. Gates. 2,614,380, Oct. 21.
Lawn mower handle. H. F. Dalglish and C. Welliver. 2,602,953, July 15.
Lawn mower having opposite handed helical cutting blades. N. Madsen. 2,600,892, June 17.
Lawn mower, Power. F. G. Szager. 2,622,689, Dec. 23.
Lawn mower, Power. H. V. Timmins. 2,623,343, Dec. 30.
Lawn mower, Power-driven. T. E. Bash. 2,604,747, July 29.
Lawn mower, Power-driven. R. E. Bradley. 2,620,613, Dec. 9.
Lawn mower, Power-operated. C. W. Durham. 2,587,298, Feb. 26.
Lawn mower power unit. R. S. Cutlan and E. J. Glenn. 2,623,603, Dec. 30.
Lawn mower, Rider steered power. L. J. De Eugenio. 2,620,612, Dec. 9.
Lawn mower sharpener. H. C. Burnham. 2,596,098, May 13.
Lawn mower sharpener. J. P. Lewis and R. R. Rader. 2,586,236, Feb. 19.
Lawn mower sharpening device. J. P. Lewis and R. R. Rader. 2,613,483, Oct. 14.
Lawn mower sharpening device. W. F. Stevens. 2,621,455, Dec. 16.
Lawn mower sharpening machine. F. E. Dennewitz. 2,588,492. Mar. 11.
Lawn mower sharpening machine. A. L. Weaver. 2,601,574, June 24.
Lawn mower stationary blade. I. D. Kistler. 2,621,464, Dec. 16.
Lawn mower with removable reel assembly. E. L. Boyce and P. L. Loewe. 2,603,055, July 15.
Lawn or beach collapsible back comfort device. J. Neiborn. 2,615,501, Oct. 28.
Lawn seed drill. H. G. and D. B. Newman. 2,589,425, Mar. 18.
Lawn sprinkler. D. H. King. 2,620,231–2, Dec. 2.
Lawn sprinkler. C. D. McDonald, V. M. Williams, and W. D. Swilling. 2,608,438, Aug. 26.
Lawn sprinkler, Projectable nozzle. H. J. M. Burdick. 2,611,644, Sept. 23.
Lawn sprinkler, Revolving. C. Gallice. 2,600,987. June 17.
Lawn sprinkler, Telescopic. G. H. Shields. 2,614,887, Oct. 21.
Lawn trimmer. A. L. Littig. 2,615,246, Oct. 28.
Lawn trimmer. G. F. McKay. 2,612,741, Oct. 7.
Lawn trimmer and shrubbery pruner. A. N. Bernardi. 2,587,586, Mar. 4.
Lawn trimming and edging apparatus. R. O. Hutchens. 2,618,919, Nov. 25.
Lawn trimming attachment for lawn mowers. A. J. Johnson. 2,602,277, July 8.
Layout board for photographic reproduction. M. H. Jones. 2,600,505, June 17.
Layout device. R. C. Hickernell. 2,594,648, Apr. 29.
Layout device. W. D. Schmidt. 2,601,330, June 24.
Layout machine for airplane construction. T. Engelhart. 2,618,860, Nov. 25.
Layout or hole locating device. R. F. Mitchell. 2,599,652, June 10.
Layout spacer or instrument. H. J. Absher. 2,589,525, Mar. 18.
Layered element for heat transfer cores. A. Jensen. 2,601,973, July 1.
Layered sponge products of varying densities, Making. H. A. Toulmin, Jr. 2,586,275, Feb. 19.
Lead-acid accumulator. H. G. Brown. 2,620,367, Dec. 2.
Lead activated calcium tungstate phosphor. R. Nagy and R. W. Wollentin. 2,617,773, Nov. 11.
Lead alkyls, Production of. O. G. Gilbert. 2,621,199, Dec. 9.
Lead assembly. W. A. Uline and H. P. Rowell. 2,603,682, July 15.
Lead base alloy. J. F. Ednie. 2,597,461, May 20.
Lead base alloy. R. H. Graves and J. F. Ednie. 2,599,628, June 10.
Lead cable sheath alloy. J. F. Eckel. 2,588,095, Mar. 4.
Lead coatings, Production of. G. L. J. Bailey and H. C. Watkins. 2,586,142, Feb. 19.
Lead, cobalt and manganese salts of 2,4,4-trimethyl valeric acid. E. Chadwick. 2,596,371, May 13.
Lead-in filament support assembly. L. C. Werner. 2,608,667, Aug. 26.
Lead, Manufacture of. L. F. Taylor and P. W. Wright. 2,615,805, Oct. 28.
Lead screw threading attachment. A. E. Drissner and R. Beacom. 2,581,082, Jan. 1.
Lead sharpener for draftsmen's pencils. C. F. Haase. 2,618,240, Nov. 18.
Lead straightening machine. W. T. Engel. 2,609,858, Sept. 9.
Lead styphnate and manufacturing same. J. F. Kenney. 2,589,703, Mar. 18.
Leaded fuel composition. W. C. Howell, Jr. 2,586,660, Feb. 19.
Leader box and dispenser. E. J. Hanslik. 2,617,614, Nov. 11.
Leader keeper. W. E. Elko. 2,602,258, July 8.
Leaf-end friction bearing structure and anchorage therefor. J. W. Watson. 2,621,922, Dec. 16.
Leaf hinge. S. B. Caldwell and E. Hurley. 2,587,818, Mar. 4.
Leaf holder for desk calendars. W. H. McConnaughy. 2,614,566, Oct. 21.
Leaf machine. B. P. Strong. 2,590,734, Mar. 25.
Leaf spring. H. E. Churchill. 2,621,921, Dec. 16.
Leaf spring construction. W. T. Pilkington, Jr. 2,587,522, Feb. 26.
Leaf spring for spinning pipe. A. L. Stone. 2,593,498, Apr. 22.
Leaf stripper. G. W. Johnson. 2,611,215, Sept. 23.
Leak closure. S. M. Kass. 2,609,003, Sept. 2.
Leak compensated capacitor. D. R. de Boisblanc. 2,591,053, Apr. 1.
Leak detecting lamp. W. G. Nolcken. 2,589,116, Mar. 11.
Leak detector. W. R. Baker. 2,591,998, Apr. 8.
Leak detector. W. C. White. 2,591,485, Apr. 1.
Leak detector for immersion heaters. I. M. McNair. 2,614,200, Oct. 14.
Leak patching device for tanks. J. W. Scott. 2,618,402, Nov. 18.
Leak tester, Joint. D. U. Shaffer. 2,597,193, May 20.
Leakage indicator and protective equipment for direct current distributing circuits. F. J. Bucher. 2,585,734, Feb. 12.
Leakage tester. L. E. Kissinger. 2,618,152, Nov. 18.
Leakage tester for threaded pipe couplings. H. Meyer. 2,587,192, Feb. 26.
Leakless low friction bearing. C. E. Wolford. 2,615,763, Oct. 28.
Leaky can reject mechanism for can testing machines. W. W. Maher. 2,594,327, Apr. 29.
Leash, Animal. J. M. Van Meter. 2,593,940, Apr. 22.
Leather finishing. A. F. R. Cotton. 2,593,108, Apr. 15.
Leather punch. R. G. Sweet. 2,599,877, June 10.
Leather splitting method and apparatus. G. R. Baumeister. 2,583,924, Jan. 29.
Lecithin derivatives and compositions comprising same, Preparing. K. M. Gaver, E. P. Lasure, and L. M. Thomas. 2,621,133, Dec. 9.
Ledge finder. E. Larson. 2,606,002, Aug. 5
Ledger tray cabinet. A. W. Feiertag. 2,589,358, Mar. 18.

Left or right handed twist drill grinding machine according to variable clearance angles. M. A. Ruolle. 2,607,172, Aug. 19.
Leg assembly and connecting means for table tops. W. M. McKinney. 2,589,719, Mar. 18.
Leg assembly for furniture. D. S. Haven. 2,603,545, July 15.
Leg construction for coiled spring beds. H. H. G. Row. 2,599,723, June 10.
Leg construction for furniture. J. E. Bolling. 2,598,105, May 27.
Leg construction for ironing boards, Adjustable. C. Buser. 2,614,348, Oct. 21.
Leg construction for reversible table tops, Rotatable. G. E. Doty. 2,602,012, July 1.
Leg exercising device, Power actuated. J. A. Gillmeier. 2,616,416, Nov. 4.
Leg for an article of furniture or the like. E. C. Booth. 2,587,283, Feb. 26.
Leg for tables, Knockdown. J. J. Nash. 2,605,158, July 29.
Leg rest. C. L. Le Moir. 2,592,045, Apr. 8.
Leg rest for invalids, Adjustable. A. E. Kenworthy. 2,581,110, Jan. 1.
Leg rest for wheel chairs, Adjustable. H. A. Everest and H. C. Jennings. 2,598,985, June 3.
Leg rest, Portable foldable. H. W. Bushong. 2,614,613, Oct. 21.
Leg structure for articles of furniture, Folding. C. Schneider. 2,615,502, Oct. 28.
Leg support for furniture, Holding. A. Inpyn. 2,606,802, Aug. 12.
Leg support for vehicle drivers. J. W. McIlwraith. 2,585,398, Feb. 12.
Leg support for wheel chairs. C. C. Gates, Jr. 2,609,864, Sept. 9.
Length control apparatus. L. R. Mansell. 2,618,046–7, Nov. 18.
Length sorting device. D. W. Molins and F. F. Ruau. 2,580,940, Jan. 1.
Lens arrangement, Multiple element electron. R. S. Page. 2,586,559, Feb. 19.
Lens axis aligning device. W. J. Schmidt. 2,621,418, Dec. 16.
Lens block. M. Suben. 2,597,543, May 20.
Lens blocking device. D. P. Bernheim and C. G. Silverberg. 2,580,507, Jan. 1.
Lens blocking device. J. F. McCarthy and H. T. Fluck. 2,603,922, July 22.
Lens board control means for studio cameras. M. Geddes. 2,619,014, Nov. 25.
Lens control mount for stereoscopic projectors. L. R. Wottring. 2,580,874, Jan. 1.
Lens cover and lens brush, Combined. W. Numbers. 2,583,228, Jan. 22.
Lens drilling machine. B. W. Jones and G. C. Schelling. 2,620,687, Dec. 9.
Lens for camera objectives, Supplemental. B. E. Lubosbez. 2,611,294, Sept. 23.
Lens for goggles, Nonfracturable. E. A. Ring. 2,615,163, Oct. 28.
Lens for optical systems, Aspherical corrector. S. Rosin. 2,588,414, Mar. 11.
Lens gauge and marker, Bifocal. R. K. Lanman. 2,603,000, July 15.
Lens grinder. R. E. Allen and W. F. Utzinger. 2,617,236, Nov. 11.
Lens grinding method and machine. W. D. Fowler. 2,589,488, Mar. 18.
Lens, Illuminated magnifying. S. Sakols. 2,586,723, Feb. 19.
Lens marking device. P. Klein. 2,617,200, Nov. 11.
Lens mechanism for signal lamps, Movable. J. A. and E. Gearon. 2,594,150, Apr. 22.
Lens mount for spectacles, Supplemental. M. I. Steckler. 2,580,859, Jan. 1.
Lens mounting for spectacles and eyeglasses. A. M. Silverman. 2,585,352, Feb. 12.
Lens or glare shield attachment for spectacles. E. Krimsky. 2,598,272, May 27.
Lens removable unit for eye glasses, Double. R. H. Longenecker. 2,586,546, Feb. 19.
Lens system for ultrasonic viewing of defects in objects. R. E. Williams. 2,592,222, Apr. 8.
Less inflammable hydraulic fluid. J. C. Mosteller. 2,583,588, Jan. 29.
Let back control. J. Rinne, E. H. Ashton, R. G. Mallard, and F. G. Lake. 2,611,396, Sept. 23.
Letoff device for textile machines. W. Lord. 2,609,006, Sept. 2.
Letoff mechanism for looms. J. Picanol. 2,585,167, Feb. 12.
Letter actuated tripping device in postage printing machines. W. J. Hanson. 2,600,990, June 17.
Letter balance. F. D. Nielsen. 2,612,305, Sept. 30.
Letter sheet. I. M. Johansson. 2,580,386, Jan. 1.
Lettering device. R. W. Anderson. 2,616,179, Nov. 4.
Lettering guide for stenciling operations. A. I. Roshkind. 2,585,847, Feb. 12.
Leuckart synthesis. W. F. Bruce and V. J. Webers. 2,603,661, July 15.
Leuco sulfuric acid esters of trianthrimide carbazole dyestuffs and producing the same. S. Coffey, D. A. W. Fairweather and F. H. Slinger. 2,604,477, July 22.
Level. P. D. Bello. 2,611,189, Sept. 23.
Level. E. D. Powell. 2,584,917, Feb. 5.
Level and distance meter. D. F. De Mesquita. 2,604,699, July 29.
Level and inclinometer. B. Miller. 2,596,422, May 13.
Level control. C. H. O. Berg. 2,590,148, Mar. 25.
Level control apparatus relating to filling of receptacles which are closed by flaps. O. E. Kull. 2,584,465, Feb. 5.
Level for pinball machines. F. E. Massey. 2,620,572, Dec. 9.
Level for trailers. F. H. Kunkel. 2,605,553, Aug. 5.
Level sensitive switch. R. A. Hanson. 2,615,099, Oct. 21.
Level transit. C. W. Keuffel. 2,607,994, Aug. 26.
Level tube support. R. L. Ruckman. 2,612,704, Oct. 7.
Level wind reel. K. G. and N. G. Guhlin. 2,609,161, Sept. 2.
Level winding mechanism. C. F. Jones. 2,595,584, May 6.
Leveler attachment for disk harrows. A. C. Cross. 2,600,854, June 17.
Leveler bar and reciprocable frame. P. H. Lavely. 2,609,949, Sept. 9.
Leveling and drying coatings with steam. F. W. Lanigan. 2,583,220, Jan. 22.
Leveling bridge. W. H. Bothe. 2,593,722, Apr. 22.
Leveling bridge. W. H. Bothe and H. J. Miller. 2,593,723, Apr. 22.
Leveling device. M. V. Ball. 2,583,250, Jan. 22.
Leveling device for mine hoists and other elevators. J. E. Carlsson, F. Landau, and E. Törnros. 2,593,844, Apr. 22.
Leveling mechanism for headlight testers. H. G. Holmes. 2,598,794, June 3.
Leveling mechanism for hydraulically actuated press brakes. E. M. Dreis. 2,603,145, July 15.
Lever actuated spring assembling hand vise. L. E. Sowell. 2,591,210, Apr. 1.
Lever actuated tire bead breaker with wheel securing means. I. L. Larson. 2,602,494, July 8.
Lever actuated tire bead forcing tool. J. F. Kohn. 2,619,158, Nov. 25.
Lever actuated tire bead loosening tool. C. H. Honeycutt. 2,622,665, Dec. 23.
Lever actuated tube bending hand tool. A. J. Shiley. 2,623,425, Dec. 30.
Lever adjuster for casement windows. R. S. Brownie. 2,587,963, Mar. 4.
Lever and toggle actuated log gripping device. C. South. 2,592,205, Apr. 8.
Lever handle for valves, Angularly adjustable. J. C. Denis. 2,622,904, Dec. 23.
Lever lock. N. E. Hart. 2,582,484, Jan. 15.
Lever mechanism for clutches. G. E. Dath and H. W. Mulcahy. 2,597,709, May 20.
Lever mounting means for flush tank sterilizing devices. E. A. Strattman. 2,600,937, June 17.
Lever switch. D. P. Mossman, Sr. 2,611,835, Sept. 23.
Levulose dihydrate. F. E. Young and F. T. Jones. 2,588,449, Mar. 11.
Liberating and recovering oil from materials containing starch, proteins, and oil. E. R. Darling and W. E. C. Yelland. 2,606,916, Aug. 12.
License plate fastener. E. P. Anstett. 2,588,931, Mar. 11.
License plate holder. J. P. Hooks. 2,599,259, June 3.
License tag holder. R. R. Post. 2,591,196, Apr. 1.
Lid assembly. H. W. Whitmore. 2,614,719, Oct. 21.
Lid fastener. A. Claud-Mantle. 2,605,123, July 29.
Lid for flour sifters. J. Jurkow. 2,599,641, June 10.
Lid for liquid containers, Detachable pouring. J. B. Ruhlin. 2,604,232, July 22.
Lid for open topped cabinets, Folding. B. E. Freitag. 2,585,645, Feb. 12.
Lid for paint cans, Temporary. G. L. Opdyke. 2,616,590, Nov. 4.
Lid for refrigerating apparatus. A. V. Frohnapel. 2,592,412, Apr. 8.
Lid for suspended milkers. T. B. Crawford. 2,613,637, Oct. 14.
Lid handle and latch mechanism. H. W. Whitmore. 2,586,753, Feb. 19.
Lid hinge, Deck. J. H. Roethel. 2,612,651, Oct. 7.
Lid lifter and retainer, Pry type. W. S. Burnard. 2,582,947, Jan. 22.
Lid remover for wall can openers. R. E. Wester. 2,621,880, Dec. 16.
Lid support. J. W. Joseph. 2,593,312, Apr. 15.
Life preserver. J. J. Podell. 2,615,182, Oct. 28.
Life raft. H. L. Kirby. 2,584,884, Feb. 5.
Lift. F. J. Morith. 2,620,218, Dec. 2.
Lift and drawbar for tractors, Combination. J. A. Meissner. 2,617,342, Nov. 11.
Lift bar clamp. H. A. Gonser. 2,604,352, July 22.
Lift control. W. B. Sparks. 2,595,015, Apr. 29.
Lift for tractors, Hydraulically operated. J. C. Hawkins. 2,590,011, Mar. 18.
Lift front lens holder. R. B. Evans. 2,590,526, Mar. 25.
Lift mechanism for tractor implements. J. Morkoski. 2,611,308, Sept. 23.
Lift plug valve. F. Hinrichs. 2,615,673, Oct. 28.
Lift roller for Venetian blinds. F. J. Burns. 2,598,887, June 3.

Lift truck accessory. C. O. Christensen. 2,589,342, Mar. 18.
Lift truck fork. L. H. Ponnequin. 2,613,830, Oct. 14.
Lift truck fork tube. C. W. Leguillon and E. B. Katzenmeyer. 2,589,101, Mar. 11.
Lift truck grab arm mechanism for cylindrical bodies. J. A. Frischmann and R. F. Oster. 2,596,477, May 13.
Lift type draft unit. M. De Bairos. 2,611,302, Sept. 23.
Lifter: *See*—
- Barrel lifter.
- Block lifter.
- Body lifter.
- Bottle lifter.
- Fulcrum type bottle cap lifter.
- Fulcrum type cap lifter.
- Ice tray cube lifter.
- Piecrust lifter.
- Pry type cap lifter.
- Rail lifter.
- Scale lifter.
- Trough lifter.
- Utensil lifter.
- Wheel and tire lifter.

Lifter for cylinder heads. F. P. Cole. 2,606,054, Aug. 5.
Lifting apparatus. W. P. Neil. 2,589,954, Mar. 18.
Lifting clamp. G. Rosenbaum. 2,618,505, Nov. 18.
Lifting concrete products, Method and apparatus for. H. C. Berchem, Jr., and H. F. Pierce. 2,614,880, Oct. 21.
Lifting device. E. E. Gustafson. 2,584,124, Feb. 5.
Lifting device. G. Jaeger. 2,610,890, Sept. 16.
Lifting device. P. W. Penn. 2,618,504, Nov. 18.
Lifting device. J. M. Quenan. 2,587,217, Feb. 26.
Lifting device. W. D. Warner. 2,616,664, Nov. 4.
Lifting device for invalids. F. B. Perri. 2,614,267, Oct. 21.
Lifting edge for folders. J. S. Quinn. 2,586,381, Feb. 19.
Lifting grab for industrial trucks. H. J. McDonald. 2,586,843, Feb. 26.
Lifting jack. G. G. Kearful, J. J. Verbrugge, and R. A. Malone. 2,609,178, Sept. 2.
Lifting jack. A. Niederhauser. 2,594,270, Apr. 22.
Lifting jack. J. F. Palka. 2,608,382, Aug. 26.
Lifting jack. H. Smith. 2,600,276, June 10.
Lifting tool. P. W. Penn. 2,610,889, Sept. 16.
Lifting tool. P. H. Read. 2,602,634, July 8.
Ligator. D. J. Calicchio. 2,610,631, Sept. 16.
Light: *See*—
- Approach light.
- Combination spot and trouble light.
- Courtesy light.
- Dental light.
- Electric shaver light.
- Emergency portable light.
- High-intensity airport runway marker light.
- Multicolored manual signal light.
- Portable highway signal light.
- Portable safety and trouble light.
- Portable traffic control light.
- Signal light.
- Warning light.

Light and mirror attachment for hospital beds. J. M. Anderson. 2,607,881, Aug. 19.
Light and socket therefor, Test. C. R. Lewis. 2,581,116, Jan. 1.
Light beam gun. E. G. Henry and L. L. Galinski. 2,586,330, Feb. 19.
Light-beam projecting means for projecting pictures, floodlighting, spotlighting, etc. A. T. Cahill and L. V. Merrill. 2,584,546, Feb. 5.
Light collecting front sight for firearms. J. T. Dickinson. 2,610,405, Sept. 16.
Light control channel deviation indicator. W. J. Albersheim. 2,607,916, Aug. 19.
Light control member. L. Rosenstein. 2,601,127, June 17.
Light-diffusing shield for elongated tubular lamps. G. O. French and J. H. Du Roy. 2,583,939, Jan. 29.
Light diffusing surface made out of electrooptical elements controlled electrostatically. P. M. G. Toulon. 2,595,616, May 6.
Light dividing apparatus for producing television in color. R. Thomas. 2,600,590, June 17.
Light-dividing system. J. H. Coote and G. Murray. 2,614,452, Oct. 21.
Light fixture and fan, Combination. S. R. Gordon. 2,581,185, Jan. 1.
Light fixture, Ultraviolet. S. E. View. 2,613,465, Oct. 14.
Light fixture with housed yieldable socket means, Channeled tube. A. O. Boutelle and R. C. Kuder. 2,597,060, May 20.
Light fixture with removable light transmitting panel, Recessed. P. A. Jones. 2,593,513, Apr. 22.
Light for bicycle handle bars, Signal. H. C. Schadel, Jr. 2,603,701, July 15.
Light for illuminating work areas and projecting warning beams, Trouble. C. C. Russell. 2,586,265, Feb. 19.
Light for insertion in the hull of boats, Adjustable. J. F. Morse. 2,593,171, Apr. 15.
Light having oscillatable lamp units, Warning and signaling. A. C. Heehler and T. E. McDowell. 2,595,253, May 6.
Light housing for suction cleaner, Detachable. O. B. Sutton. 2,604,578, July 22.
Light integrator. H. E. Edgerton. 2,588,368, Mar. 11.
Light intensifying attachment for electric bulbs. H. G. Lehmann. 2,623,989, Dec. 30.
Light intensifying attachment for electric bulbs. F. G. Van Dyke. 2,616,030, Oct. 28.
Light modulating device. M. H. Fields. 2,602,886, July 8.
Light polarizing composition. O. E. Schupp, Jr. 2,604,817, July 29.
Light polarizers, Making. J. Mahler. 2,612,079, Sept. 30.
Light projecting apparatus. R. C. Bastien. 2,587,956, Mar. 4.
Light projection apparatus. R. E. Gunther. 2,584,697, Feb. 5.
Light-reflecting simmering shutter for high-pressure metal vapor lamps. J. B. S. Smyth. 2,617,013, Nov. 4.
Light reflector attachment for use on dry cells. J. P. Speckman. 2,585,869, Feb. 12.
Light reflector for vehicle bodies, Detachable. W. W. Parsons. 2,613,104, Oct. 7.
Light responsive system. G. W. Onksen, Jr. 2,598,420, May 27.
Light sensitive diazotype layer containing a white opacifying pigment. W. J. Maxcy. 2,603,564, July 15.
Light-sensitive diazotype materials. F. A. H. Kessels. 2,617,726, Nov. 11.
Light-sensitive photographic element. J. J. Jennen. 2,620,273, Dec. 2.
Light-sensitive photographic element. A. B. Jennings. 2,606,835, Aug. 12.
Light-sensitive photographic element. R. A. Stevens, L. A. Van Der Auwera, and D. M. A. Van Goethem. 2,611,697, Sept. 23.
Light-sensitive photographic element and process using it. C. Waller and H. O. Dickinson. 2,609,292, Sept. 2.
Light-sensitive photographic element and process using it. C. Waller and H. O. Dickinson. 2,622,025, Dec. 16.
Light-sensitive photographic element having a light-absorbing layer. A. E. van Dormael and L. A. van der Auwera. 2,621,125, Dec. 9.
Light-sensitive photographic stripping film. A. K. Soper. 2,604,398, July 22.
Light sensitive positive printing diazotype paper having a calendered surface. W. H. G. Bartels. 2,595,916, May 6.
Light-sensitive silver halide photographic elements. W. D. Baldsiefen. 2,600,831, June 17.
Light sensitive silver halide photographic product for image transfer and process utilizing the same. E. H. Land. 2,584,030, Jan. 29.
Light socket, Panel mounted. E. Valltes. 2,620,375, Dec. 2.
Light stable phenolic syntans. D. E. Nagy. 2,592,587, Apr. 15.
Light supporting means. J. C. Young. 2,611,573, Sept. 23.
Light transmission mechanism. J. S. Powers and W. A. Lotz. 2,617,892, Nov. 11.
Light transmitting structure which may be made transparent or translucent at will. S. De Lisio. 2,612,078, Sept. 30.
Light unit, Fare box. A. A. Lyman. 2,583,182, Jan. 22.
Light valve system. F. K. Singiser. 2,591,308, Apr. 1.
Lightweight aggregate from molten slag, Production of. E. L. Stout, W. C. Scott, Jr., and J. M. Stinson. 2,590,901–2, Apr. 1.
Light-weight building materials and their manufacture from synthetic anhydrous calcium sulfate. H. Weber. 2,606,127, Aug. 5.
Lightweight concrete, Producing. A. Schnell and A. Bosshard. 2,592,345, Apr. 8.
Lightweight concrete mixture. A. R. Bollaert and E. L. Neu. 2,585,366, Feb. 12.
Lightweight polymethylene terephthalate fabric produced by alkali treatment. J. D'A. H. Hall, B. P. Ridge, and J. R. Whinfield. 2,590,402, Mar. 25.
Lightweight porous building materials. H. Weber. 2,606,126, Aug. 5.
Light with battery charging bracket, Portable electric. J. W. Hautala. 2,582,330, Jan. 15.
Light with switch on headrest support, Dental chair. J. D. Chessrown. 2,583,817, Jan. 29.
Lighted darning ball. A. M. Conlin. 2,623,987, Dec. 30.
Lighted yo-yo. D. J. Testino. 2,623,327, Dec. 30.
Lighter. M. J. Busacco. 2,605,627, Aug. 5.
Lighter. C. A. Fortin. 2,594,631, Apr. 29.
Lighter. E. G. Gessmann. 2,588,231, Mar. 4.
Lighter. S. B. Goldman and R. H. Krueger. 2,582,028, Jan. 8.
Lighter. N. Nordenstam. 2,591,189, Apr. 1.
Lighter. W. F. Wagner. 2,589,906, Mar. 18.
Lighter, Automatic cigarette. W. E. Moller. 2,582,882, Jan. 15.
Lighter, Cigar and cigarette. F. B. Wendel. 2,594,700, Apr. 29.
Lighter, Cigarette. J. M. Adams. 2,580,499, Jan. 1.
Lighter, Cigarette. L. A. Allen. 2,585,071, Feb. 12.
Lighter, Cigarette. H. A. Bauman and C. P. Xenis. 2,605,380, July 29.
Lighter, Cigarette. I. Florman. 2,583,691, Jan. 29.
Lighter, Cigarette. A. F. Fukal. 2,603,076, July 15.
Lighter, Cigarette. F. A. B. Jones. 2,608,848, Sept. 2.
Lighter, Cigarette. J. V. Richardson. 2,599,939, June 10.
Lighter, Cigarette. W. F. Schilling. 2,612,588, Sept. 30.
Lighter, Cigarette. W. Trautner. 2,601,773, July 1.
Lighter construction. M. R. Prusack. 2,617,286, Nov. 11.
Lighter, Electric oven. C. M. Hardy and R. E. Biddle. 2,619,952, Dec. 2.
Lighter for pot-type oil burners. A. A. Theisen. 2,604,922, July 29.

Lighter, Friction wheel type. R. Wiesaner. 2,623,375, Dec. 30.
Lighter, Gas. W. I. Nissen. 2,620,643, Dec. 9.
Lighter, Gas controlled pocket. I. Florman. 2,583,692, Jan. 29.
Lighter, Igniter, and the like, Cigar. M. Quercia and G. Ferdinand. 2,586,380, Feb. 19.
Lighter, Liquefied petroleum gas. P. W. Felt. 2,594,754–5, Apr. 29.
Lighter locking mechanism. R. L. Burchett and W. I. Nissen. 2,588,479, Mar. 11.
Lighter, Match-holding. B. W. Porter. 2,601,455, June 24.
Lighter mechanism. T. H. and D. C. Morgan. 2,608,081, Aug. 26.
Lighter, Pipe and cigarette. B. L. Paige. 2,622,424, Dec. 23.
Lighter plungers, Making. T. F. Vassaux. 2,603,855, July 22.
Lighter, Pocket cigarette. W. McGill. 2,621,502, Dec. 16.
Lighter, Pyrophoric. J. Delattre-Seguy. 2,616,277, Nov. 4.
Lighter, Pyrophoric. P. E. M. Guibord. 2,596,548, May 13.
Lighter, Pyrophoric. M. M. Levene. 2,603,075, July 15.
Lighter, Pyrophoric. M. M. Levene. 2,617,285, Nov. 11.
Lighter, Pyrophoric. W. P. Peterson and R. Rupert. 2,618,952, Nov. 25.
Lighter, Pyrophoric. E. Wedemeyer. 2,592,837, Apr. 15.
Lighter, Pyrophoric. C. Zellweger. 2,618,140, Nov. 18.
Lighter, Stove. D. King and E. W. Norton. 2,595,390, May 6.
Lighter structure for gas burners. E. H. Mueller. 2,612,218, Sept. 30.
Lighter with coiled spring follower unit, Pocket. C. A. Hart. 2,586,035, Feb. 19.
Lighter with display chamber, Pyrophoric. S. G. Lipic. 2,611,202, Sept. 23.
Lighter, Wrist cigarette or cigar. M. E. Sieber. 2,593,063, Apr. 15.
Lighting attachment for stereoscopic viewers. G. N. Smith. 2,604,814, July 29.
Lighting control circuits. G. C. Izenour. Re. 23,575, Nov. 11.
Lighting device. E. E. Hunter. 2,595,664, May 6.
Lighting device, Enclosed fluorescent. J. J. Guerin. 2,595,520, May 6.
Lighting device for sewing machines. M. J. Singer and G. H. Draalsma. 2,598,452, May 27.
Lighting device, Roadside signal. E. M. Clines. 2,597,705, May 20.
Lighting fixture and louver for elongated tubular lamps. R. I. Berry. 2,586,908, Feb. 26.
Lighting fixture clamp. H. W. Vote. 2,610,816, Sept. 16.
Lighting fixture for circular tubular discharge lamps. E. J. Zelt. 2,589,760, Mar. 18.
Lighting fixture for elongated tubular lamps. W. R. Hathaway. 2,619,584, Nov. 25.
Lighting fixture for elongated tubular lamps. C. Nitardy. 2,621,285, Dec. 9.
Lighting fixture for elongated tubular lamps. D. Wilman and R. A. Clarke. 2,616,027, Oct. 28.
Lighting fixture for elongated tubular lamps, Electric. K. B. Lacy and W. E. Janness. 2,597,739, May 20.
Lighting fixture, Fluorescent. R. M. Runge and S. R. Naysmith. 2,595,487–8, May 6.
Lighting fixture having an inverted conical reflector, Ceiling. C. G. Girolami. 2,586,645, Feb. 19.
Lighting fixture of the recessed type. R. Pryne. 2,602,881, July 8.
Lighting fixture, Recessed. R. Pryne. 2,588,760, Mar. 11.
Lighting fixture with adjustable light shields. P. Young. 2,587,423, Feb. 26.
Lighting fixture with detachable light control panel. W. W. Stubbs. 2,587,920, Mar. 4.
Lighting fixture with light baffles, Fluorescent. L. Gilman. 2,591,251, Apr. 1.
Lighting of operating rooms. C. L. G. Bénard. 2,609,484, Sept. 2.
Lighting outfit subassembly machine. J. Sakirsky. 2,600,604, June 17.
Lighting torch. F. Andres. 2,603,277, July 15.
Lighting unit for airfields. C. T. Sands, Jr. 2,596,603, May 13.
Lighting unit, High-intensity. V. L. Oestnaes. 2,588,154, Mar. 4.
Lightning arrester. O. Ackermann. 2,586,285, Feb. 19.
Lightning arrester. O. Ackermann. 2,593,955, Apr. 22.
Lightning arrester. R. D. Nelson and E. A. Link. 2,591,370, Apr. 1.
Lightning arrester arc gap. G. Rydbeck. 2,615,145, Oct. 21.
Lightning protector device. R. D. Nelson and E. A. Link. 2,593,393, Apr. 15.
Lignin, cellulose, and pentosans, Production of. O. R. Sweeney, M. H. Brown, and L. K. Arnold. 2,615,883, Oct. 28.
Lignin reinforced rubber and making same. A. Pollak. 2,608,537, Aug. 26.
Ligno-cellulose aggregate and blast cleaning process employing the same. J. W. Ayers. 2,622,047, Dec. 16.
Limb strap, Disabled. H. E. Anderson. 2,607,340, Aug. 19.
Lime spreader. B. T. Aasland and J. V. Webster. 2,587,678, Mar. 4.
Limit control for electric motors. B. A. Schwarz. 2,618,770, Nov. 18.
Limit load strain indicator. P. R. Weaver and A. E. McPherson. 2,607,998, Aug. 26.
Limit stop. A. Kreil. 2,620,911, Dec. 9.
Limit stop mechanism for gun turrets. W. E. Naugler and E. W. Stacey. 2,586,982, Feb. 26.
Limit stop mechanism for potentiometers or the like. W. J. Opocensky. 2,599,934, June 10.
Limit-switch mechanism. N. E. Anderson. 2,602,124, July 1.
Limiter system. G. J. C. Andresen. 2,621,290, Dec. 9.
Limiting polymerization. J. B. Niederl. 2,613,230, Oct. 7.
Line adapting telegraph repeater. R. M. M. Oberman. 2,602,117, July 1.
Line blind construction. L. S. Hamer. 2,600,497, June 17.
Line carrier. R. E. Trafton. 2,591,638, Apr. 1.
Line diagram panel. L. H. Peter and E. A. Sheppard. 2,591,864, Apr. 8.
Line drier reel. R. Dugdale. 2,596,766, May 13.
Line drying and storage reel. K. J. Busse. 2,601,959, July 1.
Line fault detector. C. L. Brownlow. 2,586,781, Feb. 26.
Line guide for fishing rods. W. V. De Maria. 2,623,317, Dec. 30.
Line holder. K. E. and G. W. Schneider. 2,612,695, Oct. 7.
Line holder for masons. J. H. Kroll. 2,603,875, July 22.
Line holding clip for bricklaying. E. Kampel. 2,623,290, Dec. 30.
Line holding device for bricklayers. M. R. Weathers. 2,615,253, Oct. 28.
Line lockout arrangement. J. O'D. Shepherd. 2,617,888, Nov. 11.
Line-making device. J. F. Bosquet. 2,582,412, Jan. 15.
Lineman's climbing hook. J. A. Trimble. 2,604,250, July 22.
Line measuring device with correcting mechanism. R. B. Basham and C. W. Macune. 2,604,526, July 22.
Line oiler. M. O'Farrell. 2,604,189, July 22.
Line operated fishing switch. R. J. Schenkel. 2,619,559, Nov. 25.
Line pickup device for fishing reel having nonrotary drums. P. Mauborgne. 2,599,189, June 3.
Line protractor. C. Memluck. 2,586,074, Feb. 19.
Line pulse modulator. I. Sager. 2,595,301, May 6.
Line reaming and boring machine. W. H. Evans. 2,584,005, Jan. 29.
Line-retrieving reeling apparatus. N. F. Cook and P. Walls. 2,623,707, Dec. 30.
Line ruling attachment for typewriters. J. Bosquet. 2,581,167, Jan. 1.
Line-sectionalized equipment. H. I. Madden. 2,605,324, July 29.
Line spacing control for typewriters. J. E. Sill. 2,584,817, Feb. 5.
Line spacing mechanism for typing machines. H. A. Avery and J. P. Barkdoll. 2,599,535, June 10.
Line spacing platen for flat-bed typewriting machines. W. H. von Hacht. 2,600,346, June 10.
Line tightener. K. C. Bugg. 2,607,560, Aug. 19.
Line tracker control electronic drive. R. R. Lobosco. 2,611,887, Sept. 23.
Lineal measuring device for elongated objects. E. C. McKeever. 2,582,644, Jan. 15.
Linear detector. E. B. Hales. 2,594,769, Apr. 29.
Linear methyl siloxanes having hydrogen directly linked to silicon. R. O. Sauer. 2,595,890, May 6.
Linear polyesters, Preparing. P. J. Flory and F. S. Leutner. 2,589,687–8, Mar. 18.
Linear poly-4-amino-1,2,4 triazoles. F. G. Kleinschrod and J. W. Fisher. 2,623,868, Dec. 30.
Linear poly-4-amino-1,2,4 triazoles heated with a monocarboxylic acid or certain derivatives thereof. F. G. Kleinschrod and J. W. Fisher. 2,623,869, Dec. 30.
Linear pyromellitic polyesters and their derivatives. W. E. Elwell and D. C. McGowan. 2,585,323, Feb. 12.
Linear sweep circuits. C. A. Washburn. 2,594,104, Apr. 22.
Linear sweep generator. D. O. McCoy. 2,606,287, Aug. 5.
Linear variation of oscillator frequency. A. H. Dickinson. 2,598,516, May 27.
Linearity control for cathode-ray tubes. K. R. Wendt. 2,587,420, Feb. 26.
Linearity control sweep circuits. A. C. Stocker. 2,594,513, Apr. 29.
Lined lapped seam fiber containers, Making. C. E. Maier, F. L. Minnear, and H. E. Brockett. 2,623,444, Dec. 30.
Liner construction for grinding mills. E. Posselt. 2,611,546, Sept. 23.
Liner for hollow charges. W. E. Lawson. 2,605,703, Aug. 5.
Liner for textile bobbins. J. Locke. 2,623,708, Dec. 30.
Liner hanger. E. Burns. 2,589,337, Mar. 18.
Liner package for hooks. C. M. Roberson. 2,585,408, Feb. 12.
Liner support in hot-air furnace. H. L. Giwosky. 2,584,694, Feb. 5.
Lining shafts. C. Sonderegger. 2,602,299, July 8.

Linings for pocketbooks, Interchangeable. M. Rosen. 2,609,854, Sept. 9.
Lingerie, Woman's. L. B. Cooley. 2,583,472, Jan. 22.
Link for chains and the like, Connecting. W. K. Robbins. 2,621,470, Dec. 16.
Link pivot removing tool. G. A. Sjostrom and T. A. Nyberg. 2,622,389, Dec. 23.
Linkage connector. C. Johnson. 2,615,738, Oct. 28.
Linkage means. C. B. Bright. 2,611,282, Sept. 23.
Linkage system for a wave-signal receiver of the tilt-out type. E. J. Polley. 2,589,627, Mar. 18.
Linked slide carrier. H. Olsen. 2,586,176, Feb. 19.
Linoleum binding composition. F. G. Oswald. 2,603,572, July 15.
Linoleum cement, Manufacture of. H. L. Powers and H. A. Reehling. 2,594,345, Apr. 29.
Linoleum compositions. C. G. Elliott. 2,613,163, Oct. 7.
Lint collector for circular looms. V. M. J. Ancet. 2,582,092, Jan. 8.
Lint cleaner. T. Riding. 2,621,393, Dec. 16.
Lint remover for driers. M. F. Huebsch. 2,611,192, Sept. 23.
Lip brush holder with manual release and gravity drop. D. Gordon. 2,591,537, Apr. 1.
Lip rouge applicator. A. N. Turnes. 2,591,027, Apr. 1.
Lipstick and brush compact. V. Kromray. 2,590,329, Mar. 25.
Lipstick applicator. M. H. Ivey. 2,610,641, Sept. 16.
Lipstick applicator. E. M. Reifert. 2,618,279, Nov. 18.
Lipstick applicator, Ball-type. H. Bogin, A. and H. Gold. 2,598,493, May 27.
Lipstick, Cartridge-type. C. H. Braselton. 2,609,092, Sept. 2.
Lipstick, Cartridge. C. H. Braselton. 2,612,990, Oct. 7.
Lipstick case. H. Neuschaefer. 2,595,403, May 6.
Lipstick case. S. Shatkin. 2,604,985, July 29.
Lipstick container. J. J. Balasevich. 2,610,733, Sept. 16.
Lipstick container. A. P. Lynn. 2,609,093, Sept. 2.
Lipstick holder. H. P. Manville. 2,588,024, Mar. 4.
Lipstick holder. C. H. S. Schnack. 2,621,786, Dec. 16.
Lipstick holder and the like. E. Noyack. 2,610,734, Sept. 16.
Lipstick, Nonretractable. C. H. Braselton. 2,612,991, Oct. 7.
Liquefied gas discharge pump. R. E. Bludeau. 2,580,649, Jan. 1.
Liquid actuated prime mover regulating system with viscosity correction. S. Jacobs. 2,621,672, Dec. 16.
Liquid adhesive applicator and control apparatus therefor. W. L. Davis. 2,599,374, June 3.
Liquid ammonia process for forming hydrocarbon-lead compounds. A. J. Kolka and I. T. Krohn. 2,621,200, Dec. 9.
Liquid and gas feeding. E. A. Whitlock. 2,622,065, Dec. 16.
Liquid and vapor control valve. H. F. Sammons. 2,591,880, Apr. 8.
Liquid anionic-dialkylolamide detergent composition. P. T. Vitale and R. S. Leonard. 2,607,740, Aug. 19.
Liquid applicator. H. V. Wester and K. Dannevig. 2,605,587, Aug. 5.
Liquid atomizing apparatus. S. O. Rye. 2,603,533, July 15.
Liquid binder. C. D. Simmers. 2,584,300, Feb. 5.
Liquid-break circuit interrupter. R. E. Friedrich and C. G. Lentjes. 2,621,273, Dec. 9.
Liquid circulation indicator. A. Wittlin. 2,600,148, June 10.
Liquid cleaned precipitator. P. Hodson and H. Klemperer. 2,615,530, Oct. 28.
Liquid coaxial line and rotary joint. R. J. Violette. 2,588,436, Mar. 11.
Liquid column manometer, Collapsible. J. A. M. Puig. 2,603,210, July 15.
Liquid conditioning system. A. G. Avila. 2,589,186, Mar. 11.
Liquid contact apparatus with rotating disks. G. H. Reman. 2,601,674, June 24.
Liquid container. R. E. Workman. 2,607,879, Aug. 19.
Liquid container comprising a flexible envelope. S. Eisenberger and P. Clive. 2,618,409, Nov. 18.
Liquid control arrangement for washing machines. J. Hertz. 2,582,543, Jan. 15.
Liquid control device. G. E. Carter. 2,601,834, July 1.
Liquid cooled electrical machine. C. J. Fechheimer. 2,618,756, Nov. 18.
Liquid cooled muffler. K. W. Schreeck. 2,612,235, Sept. 30.
Liquid cooler. J. L. Barr. 2,610,485, Sept. 16.
Liquid cooler. J. M. Brunstad. 2,600,474, June 17.
Liquid cooling apparatus. J. Jacir. 2,606,750, Aug. 12.
Liquid cooling apparatus. D. L. Kaufman. 2,618,134, Nov. 18.
Liquid cooling apparatus. H. W. Taylor. 2,605,620, Aug. 5.
Liquid cooling of anodes in vacuum discharge tubes, more particularly X-ray tubes. F. Reiniger. 2,617,057, Nov. 4.
Liquid density apparatus. R. D. Cowherd. 2,597,621, May 20.
Liquid dispenser. C. L. Baender. 2,602,566, July 8.
Liquid dispenser. P. Lieuwen. 2,585,801, Feb. 12.
Liquid dispensing and feeding apparatus. W. F. Cohrs. 2,589,992, Mar. 18.
Liquid dispensing and filling machine. M. Koegler. 2,584,355, Feb. 5.
Liquid dispensing and illuminating device for bottles. L. I. Coleman. 2,598,357, May 27.
Liquid dispensing brush and valve structure therefor. A. F. Banks. 2,612,649, Oct. 7.
Liquid dispensing cabinet. L. F. Norris and D. J. W. Timmersman. 2,601,319, June 24.
Liquid dispensing device having a globular combined applicator and outlet valve. L. L. Patterson. 2,613,382, Oct. 14.
Liquid dispensing installations. G. Young, D. T. Laing and J. H. Walls. 2,621,908, Dec. 16.
Liquid dispensing machine, Sanitary. D. W. Brous. 2,591,507, Apr. 1.
Liquid dispensing means. T. E. Thorpe. 2,618,416, Nov. 18.
Liquid dispensing roller. E. M. King. 2,581,674, Jan. 8.
Liquid distributing device. W. A. Beardsell and W. H. Hay. 2,584,960, Feb. 5.
Liquid distributing system. W. L. Weeks. 2,599,680, June 10.
Liquid distributing system. F. J. Wiegand, W. T. Stark, and M. R. Rowe. 2,613,687, Oct. 14.
Liquid distributor. A. J. Dewdney. 2,614,886, Oct. 21.
Liquid distributor for dividing a constant or variable stream of liquid into two partial streams. J. Beglinger. 2,582,523, Jan. 15.
Liquid distribution device. A. P. van der Molen. 2,616,670, Nov. 4.
Liquid extracting apparatus. O. F. Slaby and L. K. Mills. 2,595,493, May 6.
Liquid feeding apparatus. C. F. Terrell, Jr. 2,582,802, Jan. 15.
Liquid fertilizer applying apparatus. J. Blue. 2,594,284, Apr. 29.
Liquid filter. R. E. Carrigan. 2,600,845, June 17.
Liquid filter. A. Guiot. 2,588,519, Mar. 11.
Liquid flow control device. A. J. Bielski. 2,604,111, July 22.
Liquid flow control device. J. O. Thorsheim. 2,604,112, July 22.
Liquid flow controlling valve. H. Andrews. 2,608,993, Sept. 2.
Liquid flow proportioning apparatus. F. Todd. 2,601,971, July 1.
Liquid flow regulator. H. C. Fischer. 2,605,783, Aug. 5.
Liquid flow regulating system. U. J. Rutgers. 2,598,307, May 27.
Liquid fuel and oxidizer jacketed combustion chamber with axial conical fuel spreader. R. H. Goddard. 2,591,422, Apr. 1.
Liquid fuel burner. J. S. and A. E. Clarke, and N. P. Coupe. 2,595,765, May 6.
Liquid fuel burner. C. G. Nobbs. 2,603,960, July 22.
Liquid fuel burner. N. H. Sutterfield. 2,612,217, Sept. 30.
Liquid fuel burner and control. J. A. Wilson. 2,586,411, Feb. 19.
Liquid fuel burner and the like. J. R. Joyce. 2,590,772, Mar. 25.
Liquid fuel burner nozzle. J. S. Clarke and L. J. Goddard. 2,588,485, Mar. 11.
Liquid fuel burning unit of the bowl or pot type. M. Resek, J. A. Dahlstrom, and A. Bolz. 2,588,045, Mar. 4.
Liquid fuel control mechanism for internal-combustion prime movers. R. J. Ifield. 2,621,632, Dec. 16.
Liquid fuel feeding means for resonance combustion chambers. R. H. Goddard. 2,599,103, June 3.
Liquid fuel feeding system. W. L. Johnson. 2,590,972, Apr. 1.
Liquid-fuel injection means for prime movers. R. J. Ifield and E. A. Watson. 2,619,915, Dec. 2.
Liquid fuel injection pump. F. M. Evans. 2,619,908, Dec. 2.
Liquid fuel injector. C. T. Young. 2,585,205, Feb. 12.
Liquid fuel measuring and delivery device. G. R. Hubbard. 2,612,678, Oct. 7.
Liquid fuel meter. J. B. Davis, Jr. 2,587,701, Mar. 4.
Liquid fuel meter. V. A. Tyler. 2,600,032, June 10.
Liquid fuel supply and control system for atomizing nozzles. G. B. R. Feilden, A. Simons and R. Holl. 2,592,132, Apr. 8.
Liquid fuel supply apparatus. J. K. Harding. 2,621,599, Dec. 16.
Liquid fuel vaporizer. J. S. Clarke, W. E. Gregory and A. J. Gerrard. 2,583,416, Jan. 22.
Liquid-gas contact apparatus. W. J. Beringer. 2,609,888, Sept. 9.
Liquid gauge bar. W. P. Weidinger. 2,580,711, Jan. 1.
Liquid heater. A. W. Peters. 2,617,393, Nov. 11.
Liquid heating device. T. V. Pedersen. 2,621,643, Dec. 16.
Liquid hydrocarbons, oxygenated hydrocarbons and the like, Production of. C. W. Watson. 2,583,164, Jan. 22.
Liquid indicator. A. H. Fine. 2,620,663, Dec. 9.
Liquid injector for internal-combustion engines. W. W. Cushman. 2,595,379, May 6.
Liquid level and flow control. H. B. Breedlove. 2,599,159, June 3.

Liquid level control. C. R. Arnold. 2,606,572, Aug. 12.
Liquid level control. J. J. Schulze. 2,623,538, Dec. 30.
Liquid level control. M. H. Sweet. 2,606,297, Aug. 5.
Liquid level control. W. E. Turvey. 2,588,672, Mar. 11.
Liquid level control. E. R. Williams. 2,586,410, Feb. 19.
Liquid level control and indicator device. E. Kemper. 2,621,240, Dec. 9.
Liquid level control device. W. A. Biermann and J. T. Dulak. 2,581,901, Jan. 8.
Liquid level control device. V. A. Kagay and J. L. Robison. 2,599,713, June 10.
Liquid level control equipment. H. M. Fitch. 2,608,609, Aug. 26.
Liquid level control means. W. S. Landon. 2,592,913, Apr. 15.
Liquid level control means. H. M. Stagga and L. F. Davis. 2,597,198, May 20.
Liquid level control means. J. Temperley. 2,595,731, May 6.
Liquid level control mechanism. A. J. Gardenhour. 2,619,906, Dec. 2.
Liquid level control mechanism. R. W. Sloane. 2,599,073, June 3.
Liquid level control mechanism. R. W. Sloane. 2,600,366, June 10.
Liquid level control system. J. A. Campbell. 2,620,819, Dec. 9.
Liquid level controller. A. E. Irving. 2,605,782, Aug. 5.
Liquid level controlling device. A. P. Ritter. 2,608,206, Aug. 26
Liquid level gauge. P. H. Biscoe. 2,607,225–7, Aug. 19.
Liquid level gauge. P. L. Born. 2,613,535, Oct. 14.
Liquid level gauge. T. B. Darlington. 2,614,426, Oct. 21.
Liquid level gauge. J. C. Denis. 2,590,947, Apr. 1.
Liquid level gauge. A. Edelman. Re. 23,493, May 20.
Liquid level gauge. A. Edelman. 2,581,085, Jan. 1.
Liquid level gauge. L. M. Goldsmith. 2,620,660, Dec. 9.
Liquid level gauge. E. C. Haatvedt. 2,596,897, May 13.
Liquid level gauge. E. E. van Ham. 2,611,271, Sept. 23.
Liquid level gauge. W. W. Hastings and R. A. Tollefsen. 2,584,446, Feb. 5.
Liquid level gauge. J. C. Matchett. 2,592,929, Apr. 15.
Liquid level gauge. C. G. Sontheimer. 2,621,518, Dec. 16.
Liquid level gauge and operating system. L. E. Thompson. 2,600,341, June 10.
Liquid level gauge attachment. H. J. Johnson. 2,591,075, Apr. 1.
Liquid level indicating apparatus. J. M. Hildyard. 2,584,128, Feb. 5.
Liquid level indicator. E. R. Kilsby. 2,615,338, Oct. 28.
Liquid level indicator. J. E. Lindberg, Jr., C. H. Ray, and B. Walker. 2,618,248, Nov. 18.
Liquid level indicator. C. J. Ryant, Jr. 2,592,744, Apr. 15.
Liquid level indicator. O. M. Whitten. 2,586,449, Feb. 19.
Liquid level responsive switch. W. H. Glile. 2,580,759, Jan. 1.
Liquid level tank gauge. R. E. Shannon. 2,593,062, Apr. 15.
Liquid-liquid contacting. Method of and apparatus for. S. C. Carney. 2,614,064, Oct. 14.
Liquid-liquid extraction process and tower. J. R. Casler and C. C. Nelson. 2,609,276, Sept. 2.
Liquid-liquid extraction tower. J. W. Packie. 2,610,108, Sept. 9.
Liquid-liquid extraction tower. R. B. Tickler. 2,614,031, Oct. 14.
Liquid low-level warning device. J. F. Morse. 2,601,894, July 1.
Liquid lure ejecting device useful in fishing. M. Moore 2,583,660, Jan. 29.
Liquid magnetic damper. H. T. Faus. 2,622,707, Dec. 23.
Liquid measuring and dispensing pump. O. Maisch. 2,619,040, Nov. 25.
Liquid measuring and dispensing valve. E. L. Meyer. 2,598,583, May 27.
Liquid measuring and pouring attachment. W. H. Duggan. 2,619,263, Nov. 25.
Liquid measuring apparatus. N. M. Thomas. 2,588,057, Mar. 4.
Liquid measuring device. V. S. Kucki. 2,620,947, Dec. 9.
Liquid-measuring device. C. J. Overmyer, W. E. Giese and H. F. Weckel. 2,607,122, Aug. 19.
Liquid meter. H. E. Phillips. 2,618,245, Nov. 18.
Liquid meter. H. G. Soar. 2,622,566, Dec. 23.
Liquid mixer. S. Shields. 2,597,536, May 20.
Liquid mixing device. J. H. Larsh. 2,588,255, Mar. 4.
Liquid nitric esters, Preparation of. A. A. Young. 2,602,733, July 8.
Liquid oxygen converter. W. A. Wildhack. 2,580,710, Jan. 1.
Liquid packaging machine. E. Kayat. 2,583,106, Jan. 22.
Liquid piston gas pump. H. J. Balhouse. 2,620,966, Dec. 9.
Liquid polymeric chlorotrifluoroethylene. J. J. Padbury and E. L. Kropa. 2,602,824, July 8.
Liquid proportioning and spraying apparatus. D. G. Griswold. 2,590,007, Mar. 18.
Liquid pump. W. Eickele. 2,604,052, July 22.
Liquid pump. R. E. Gordinier. 2,584,865, Feb. 5.
Liquid pump. W. W. Taylor. 2,604,854, July 29.
Liquid pumping system. A. E. Steele. 2,594,512, Apr. 29.
Liquid reactor. K. T. Norell. 2,594,675, Apr. 29.
Liquid recovery apparatus. P. M. Brister. 2,610,986, Sept. 16.
Liquid removing pressure roller. W. C. Ewaldson. 2,602,381, July 8.
Liquid retaining check valve. C. P. Krieger, Jr. 2,603,230, July 15.
Liquid return trap in refrigerating systems. J. E. Watkins. 2,590,741, Mar. 25.
Liquid rheostat. H. V. Crawford and L. J. Parkinson. 2,602,125, July 1.
Liquid sampler. H. E. Baker. 2,593,830, Apr. 22.
Liquid sampler. H. A. Quist. 2,607,229, Aug. 19.
Liquid sampler. H. A. Quist. 2,615,340, Oct. 28.
Liquid seal for gas washers. F. H. Janecek and R. H. Baliney. 2,585,779, Feb. 12.
Liquid sealed centrifugal pump. H. E. La Bour. 2,603,160, July 15.
Liquid separation apparatus. D. G. Griswold. 2,609,099, Sept. 2.
Liquid soap dispenser. W. J. Dobkin. 2,583,687, Jan. 29.
Liquid soap dispenser. M. Sawchuk. 2,591,969, Apr. 8.
Liquid solid separator. G. D. Alvord. 2,585,719, Feb. 12.
Liquid spray device. E. N. and R. V. Bates. 2,608,439, Aug. 26.
Liquid spring undercarriage. H. G. Conway. 2,618,478, Nov. 18.
Liquid supply tank. W. H. Payne. 2,604,230, July 22.
Liquid-tight device for pairs of rollers forming a trough-shaped reservoir. J. Dungler. 2,623,377, Dec. 30.
Liquid treating apparatus and process, Slurry type. W. H. Green. 2,580,761, Jan. 1.
Liquid treatment, Method and apparatus for. J. M. Daily. 2,603,597, July 15.
List mounting. H. W. Anteau. 2,587,086, Feb. 26.
Lithium catalyzed ester interchange reactions. H. A. Goldsmith. 2,622,091, Dec. 16.
Lithium hydride, Production of. P. P. Alexander. 2,606,100, Aug. 5.
Lithium soap grease containing basic alkaline earth metal sulfonate. G. W. Eckert. 2,610,946, Sept. 16.
Lithium 3-thia-7,7,dimethyl-7-trimethyl-siloxy-7-silaheptanoate. C. A. Burkhard. 2,583,322, Jan. 22.
Litter collector. T. H. Fahey. 2,600,981, June 17.
Litter control for vacuum cleaners. J. J. Bevington. 2,588,198, Mar. 4.
Live bait box. F. C. Rhodes. 2,587,899, Mar. 4.
Live bait casting device. Z. Kubiak and F. Nock. 2,607,152, Aug. 19.
Live bait container. E. L. Johnson and E. J. Scofield. 2,597,002, May 20.
Live bait hook device. R. V. Allen. 2,591,764, Apr. 8.
Live stock feeder. J. R. Coffing. 2,585,371, Feb. 12.
Liver branding. C. A. Rinehart and R. O. Mertens. 2,622,513, Dec. 23.
Load binder. T. H. Edelblute. 2,608,383, Aug. 26.
Load binder. F. A. Mockel. 2,587,874, Mar. 4.
Load binding device. J. C. Weaver. 2,606,670, Aug. 12.
Load bracing means. E. T. Doherty. 2,592,666, Apr. 15.
Load bracing structure for vehicles. F. T. Eck. 2,608,420, Aug. 26.
Load-carrying safety switch. J. W. Hunt. 2,601,144, June 17.
Load control system for electronic power generators. L. S. Lappin. 2,587,175, Feb. 26.
Load equalizing device. M. S. De Lay. 2,589,678, Mar. 18.
Load equalizing device. M. S. De Lay. 2,606,769, Aug. 12.
Load grip means for trucks and the like. L. G. Ehmann. 2,595,131, Apr. 29.
Load handling and transporting machine. L. H. Lull, 2,621,811, Dec. 16.
Load-handling attachment for lift trucks. W. W. Michaux, Jr. 2,599,855, June 10.
Load-handling sling. G. E. Moore. 2,596,502, May 13.
Load indicating device. F. Miller. 2,614,420, Oct. 21.
Load lifting arrangement. A. Wullschleger. 2,589,915, Mar. 18.
Load lifting mechanism. H. E. Luebbers. 2,610,752, Sept. 16.
Load-limit apparatus for hydraulic engine governors. J. S. Dale. 2,610,050, Sept. 9.
Load limiting fastening means. K. M. King and A. B. Haines. 2,607,258, Aug. 19.
Load pointer for weighing scales. W. L. Schrader. 2,593,060, Apr. 15.
Load regulating system. S. W. Herwald and H. M. Watson. 2,624,015, Dec. 30.
Load relay circuits for induction motors. R. B. Hunter, E. Pell, and N. L. Schmitz. 2,620,464, Dec. 2.
Load releasing device. E. Knerem. 2,592,577, Apr. 15.
Load retaining door. J. H. Leslie, II. 2,595,087, Apr. 29.
Load stroke indicator. H. B. King. 2,587,628, Mar. 4.
Load-supporting attachment for tractors. J. R. Riewerts. 2,593,796, Apr. 22.
Load supporting pallet and crate structure. B. C. Colt, Jr. 2,622,830, Dec. 23.

Load transfer device. R. C. Yeoman. 2,605,680, Aug. 5.
Load transfer device for concrete pavements. J. H. Jacobson. 2,608,141, Aug. 26.
Load transmitting means for dynamometers. M. N. Weber. 2,581,990, Jan. 8.
Load weighing device, Bending beam. A. C. Ruge. 2,597,751, May 20.
Load weight indicator. W. C. Yoder and C. A. Garis. 2,586,137, Feb. 19.
Loaded cartridge with frangible projectile. L. C. Weldin. 2,593,637, Apr. 22.
Loader. F. Waguespack. 2,599,677, June 10.
Loader for camera film holders. A. C. Smith. 2,587,238, Feb. 26.
Loader machine. E. M. McElhinney and T. A. Podhajsky. Re. 23,466, Mar. 4.
Loader of the dipper type. G. R. Dempster. 2,600,739, June 17.
Loading and distributing means for concrete mixers. R. C. Graham. 2,589,492, Mar. 18.
Loading and unloading apparatus. H. Sahlin. 2,609,776, Sept. 9.
Loading and unloading apparatus. I. Z. Smoker. 2,606,648, Aug. 12.
Loading and unloading attachment for forked lift trucks, Lateral. J. E. Stewart. 2,584,240, Feb. 5.
Loading and unloading device. E. J. Adams. 2,592,993, Apr. 15.
Loading and unloading device for motor trucks. M. J. and M. A. Terho. 2,621,819, Dec. 16.
Loading and unloading unit for lift trucks. G. E. Adams. 2,595,320, May 6.
Loading apparatus for automatic firearms. H. W. Aldrin. 2,608,135, Aug. 26.
Loading assembly for trucks, Garbage. P. M. Oliver. 2,592,324, Apr. 8.
Loading attachment for tractors. G. G. McNamara, Jr. 2,603,374, July 15.
Loading conveyer. S. E. Pace. 2,620,575, Dec. 9.
Loading conveyer for grain and other materials. A. G. Slocum. 2,623,624, Dec. 30.
Loading device for bottle washers or the like. J. B. McCabe, H. A. Strelow, and R. W. Marty. 2,583,787 Jan. 29.
Loading equipment for vehicle carrying trailers. E. Mullen and J. Boyko. 2,595,533, May 6.
Loading machine. G. T. Baker. 2,583,079, Jan. 22.
Loading machine. J. L. Clarkson and A. B. Jackson. 2,606,063, Aug. 5.
Loading machine. A. L. Lee. 2,589,827, Mar. 18.
Loading machine. A. L. Lee. 2,609,910, Sept. 9.
Loading machine, Blast hole. W. V. Styles and E. A. Palo. 2,617,542, Nov. 11.
Loading machine, Carton. L. E. Arneson. 2,608,330, Aug. 26.
Loading machine having a hydraulic control system for traction means. A. L. Lee. 2,611,444, Sept. 23.
Loading machine, including a flexible trough, Underground. A. L. Lee. 2,597,345, May 20.
Loading means for pressure regulators. S. W. Hoskins. 2,587,728, Mar. 4.
Loading mechanism for cap pistols. H. F. Everett. 2,597,089, May 20.
Loading mechanism for cooky coating apparatus and the like. N. J. Watson. 2,597,415, May 20.
Loading mechanism for gear producing machines. H. A. Male. 2,585,809, Feb. 12.
Loading mechanism for pneumatic guns. C. F. Lefever. 2,594,185, Apr. 22.
Loading mechanism for pneumatic guns. W. S. Wells. 2,581,505, Jan. 8.
Loading mechanism for pneumatic guns. W. S. Wells. 2,592,838, Apr. 15.
Loading stop for electron tube making machines. C. W. Daley. 2,595,058, Apr. 29.
Loaf wrapping machine. T. Jensen. 2,600,878, June 17.
Lobeline aerosol dilating medicament. L. Dautrebande. 2,594,296, Apr. 29.
Local and trunk call discriminating system. R. W. Jones. 2,585,130, Feb 12.
Localizer and glide path system. A. Frum. 2,586,810, Feb. 26.
Localizer beacon system. S. B. Pickles and C. B. Watts, Jr. 2,593,485, Apr. 22.
Locatable pipe line scraper. H. M. Barton, Jr. 2,617,134, Nov. 11.
Locating casing collars in a well. G. Herzog. 2,580,544, Jan. 1.
Locating faults in transmission lines. J. R. A. Leslie and K. H. Kidd. 2,602,834, July 8.
Locating key. G. T. Evans. 2,620,704, Dec. 9.
Locating leaks in well bores. O. W. Crisman and A. J. Teplitz. 2,588,210, Mar. 4.
Locating well fluid loss, Method and apparatus for. M. B. Standing, H. S. Yaplee, and M. Macaulay. 2,581,979, Jan. 8.
Location and boring of position holes. D. E. Stainton. 2,608,113, Aug. 26.
Locator device for selenium rectifiers. G. J. Eannarino. 2,618,692, Nov. 18.

Lock: *See*—
Aircraft control lock.
Attack defeating combination lock.
Automobile door lock.
Automobile safety ignition lock.
Automobile wheel lock.
Bascule bridge lock.
Bicycle lock.
Bolt lock.
Cable outlet box lock.
Casement window lock.
Coin controlled lock.
Combination lock.
Combination or key operable door lock.
Container safety lock.
Cylinder lock.
Door lock.
Draft key retainer lock.
Emergency brake lock.
Extensible gate lock.
Fishing reel lock.
Flush handle type trailer door lock.
French window lock.
Fuel line valve lock.
Hubcap lock.
Key actuated double custody lock.
Key controlled cylinder lock.
Key ejecting lock.
Lever lock.
Magnetic power unit lock.
Motorcycle lock.
Movable form lock.
Nut lock.
Outboard motor lock.
Paperboard box cover lock.
Pendulum scale lock.
Pillar lock.
Pin tumbler lock.
Piston ring lock.
Push-button operated permutation lock.
Retarded release shock lock.
Rim tire lock.
Rod lock.
Safe lock.
Safety antijimmy window lock.
Safety door lock.
Safety lock.
Sash lock.
Seat position lock.
Sliding bracket lock.
Sliding sash lock.
Slip lifter lock.
Telephone dial lock.
Telephone lock.
Tire, wheel, and hubcap lock.
Transverse sliding breech bolt lock.
Truck lock.
Tumbler lock.
Turnbuckle lock.
Window lock.
Window sash lock.
Wristband lock.

Lock. P. M. Brown. 2,582,309, Jan. 15.
Lock. C. L. Lucius. 2,623,379, Dec. 30.
Lock. N. A. Welch and W. J. Zelgenhein. 2,596,949, May 13.
Lock adjustable for different keys, Tumbler. S. Pelle. 2,603,081, July 15.
Lock and door handle, Combined. I. S. Keeler. 2,605,630, Aug. 5.
Lock and grill, Window. J. W. Rucker. 2,605,517, Aug. 5.
Lock and hill holder valve for hydraulic brakes. A. B. Seppmann. 2,623,541, Dec. 30.
Lock and key ejector. J. Mullan. 2,603,082, July 15.
Lock binder. J. J. Donato and F. L. Hardin. 2,602,452, July 8.
Lockbox, Safety. A. Levereth. 2,591,270–1, Apr. 1.
Lock device. F. Ernest. 2,607,618, Aug. 19.
Lock device. G. W. Will. 2,596,802, May 13.
Lock embodying a key-ejecting mechanism. A. R. Visitacion. 2,606,437, Aug. 12.
Lock for automobile doors, Electrically controlled. J. Glusko. 2,594,151, Apr. 22.
Lock for compressor plates. R. R. Uhrmacher and E. Cairelli. 2,623,528, Dec. 30.
Lock for electric safety lamps, Bezel. W. Y. Stamper. 2,592,208, Apr. 8.
Lock for die casting and other machines, Piston. F. Halward. 2,582,030, Jan. 8.
Lock for drop-leaf swivel extension tables. E. P. Charak. 2,620,247, Dec. 2.
Lock for endoscopic instrument, Obturator. H. S. Rubens and I. Suwa. 2,584,619, Feb. 5.
Lock for extension tables. P. M. Virtue. 2,583,282, Jan. 22.
Lock for firearm triggers. E. W. Sass. 2,599,132, June 3.
Lock for handbag frame members. F. Pohlig. 2,600,074, June 10.
Lock for miners' safety lamps, Magnetic. G. Wheat and A. G. Davis. 2,609,487, Sept. 2.
Lock for motor vehicles, Safety door. R. A. Onstott. 2,604,180, July 22.
Lock for outboard motors. P. D. Budisch. 2,615,323, Oct. 28.
Lock for power-driven tools, Switch. R. B. Pealer. 2,588,565, Mar. 11.
Lock for rings of mechanical binders, End. C. D. Trussell. 2,595,427, May 6.
Lock for the clamps of mixing machines. Safety. E. A. Holmlund. 2,599,833, June 10.
Lock for trailer vacuum brakes, Automatic. A. J. Gross. 2,600,758, June 17.
Lock for trailers, Safety. J. Murrill. 2,609,211, Sept. 2.
Lock for trolley wheels. C. G. Flounders. 2,581,948, Jan. 8.
Lock for upward acting doors. A. Venditty. 2,612,396, Sept. 30.
Lock for wringers, Drive and wringer rotation. W. L. Kauffman, II. 2,595,148, Apr. 29.
Lock guard. J. Gangi. 2,582,424, Jan. 15.
Lock having a flexible bolt. F. E. Poulson. 2,608,084, Aug. 26.
Lock joint for tie rod and end assemblies. J. H. Booth. 2,596,885, May 13.
Lock link chain. G. H. Knutson. 2,584,134, Feb. 5.
Lock means for door control mechanism. E. L. Allen, A. R. De Vito, and H. B. Muster. 2,587,583, Mar. 4.

Lock mechanism. F. Belausteguigoitia. 2,602,318, July 8.
Lock mechanism for window latches. N. O. Holmsten. 2,613,523, Oct. 14.
Lockout warning system for home heating apparatus. G. V. Eltgroth. 2,599,703, June 10.
Lock nut. F. B. Hunter. 2,622,649, Dec. 23.
Lock nut. G. L. McPherson. 2,621,697, Dec. 16.
Lock nut. G. A. Tinnerman. 2,581,312, Jan. 1.
Lock retainer. O. J. Poupitch. 2,610,500, Sept. 16.
Lock seal suitable for manufacture in plastics. P. M. Pope. 2,610,879 Sept. 16.
Lock slider for separable fasteners, Automatic. B. P. Lawson. 2,591,948, Apr. 8.
Lock slider for slide fasteners, Automatic. G. Sundback. 2,588,893, Mar. 11.
Lock structure for coin savings banks. W. J. McSweeney. 2,600,311, June 10.
Lock valve for fuel tanks. R. A. Peterson and L. J. Howell. 2,620,822, Dec. 9.
Lock washer. S. L. Terry. 2,581,217, Jan. 1.
Lockable bag. J. Rifkin. 2,616,470, Nov. 4.
Lockable machine key for business machines. K. Aurbach. 2,620,972, Dec. 9.
Lockable trunk lid extension for automobiles. W. D. Gardels. 2,618,497, Nov. 18.
Locked copy ticket writer. F. R. Schulz. 2,591,728, Apr. 8.
Locker, Circular frozen food. V. P. Long and V. M. Wolfe. 2,617,267, Nov. 11.
Locking apparatus. K. J. J. McGowan. 2,585,151, Feb. 12.
Locking block for guarding carburetor jet screws. A. E. Whitford. 2,618,473, Nov. 18.
Locking bobby pin. J. A. Rapisarda. 2,613,680, Oct. 14.
Locking bonnet for valves. T. F. Lee. 2,623,380, Dec. 30.
Locking brace for folding legs of tables. E. W. and A. J. Anderson. 2,621,992, Dec. 16.
Locking control circuit for fluid-actuated motors. W. R. Tucker. 2,618,121, Nov. 18.
Locking device. A. B. Castle. 2,608,085, Aug. 26.
Locking device. K.-E. G. Johansson. 2,620,212, Dec. 2.
Locking device. J. W. Seele. 2,590,806, Apr. 1.
Locking device, Adjustable. G. D. Haver. 2,623,378, Dec. 30.
Locking device for book supporting metals. W. E. Schroer. 2,600,808, June 17.
Locking device for box covers. C. L. Kanty. 2,598,558, May 27.
Locking device for clothes wringer. O. F. Couchot. 2,622,427, Dec. 23.
Locking device for contraangle handpieces. G. E. Björklund. 2,591,772, Apr. 8.
Locking device for copyholders, Horizontal. J. E. Spriggs. 2,603,126, July 15.
Locking device for fire control mechanism. I. A. Swidlo. 2,604,821, July 29.
Locking device for foot presses. H. E. Henricksen. 2,589,692, Mar. 18.
Locking device for foot presses. L. J. Veilleux. 2,589,752, Mar. 18.
Locking device for furniture elements, Detachable. M. M. Richardson. 2,585,683, Feb. 12.
Locking device for locking shafts against rotation. F. de Hoffmann. 2,580,894, Jan. 1.
Locking device for removable points for earth-working tooth units. A. N. Crawford. 2,610,417, Sept. 16.
Locking device for the sliding members of an extensible frame. D. A. Eberhardt. 2,620,211, Dec. 2.
Locking device for the tubes of telescopic structures. Å. T. Bergqvist and B. I. Karlberg. 2,599,222, June 3.
Locking device for threaded machine elements. F. Rydberg. 2,604,135, July 22.
Locking firearm barrels. C. E. Simpson. 2,611,297, Sept. 23.
Locking gas valve. S. D. Feighner. 2,594,141, Apr. 22.
Locking hinge. C. C. Baker. 2,594,533, Apr. 29.
Locking knee joint for artificial limbs and orthopedic braces. C. V. Smith. 2,594,227, Apr. 22.
Locking means for bell and spigot joints, Flexible. F. Hudson. 2,587,475, Feb. 26.
Locking means for desk drawers. A. T. Swimmer. 2,596,185, May 13.
Locking mechanism. R. A. Firman. 2,598,245, May 27.
Locking mechanism, Car door. G. B. Dorey. 2,580,897, Jan. 1.
Locking mechanism for a differential. L. Dufour. 2,592,668, Apr. 15.
Locking mechanism for folding tops. C. E. Hale and W. L. McKenna. 2,586,648, Feb. 19.
Locking mechanism for overhead swinging garage doors. L. H. Gramlich. 2,585,110, Feb. 12.
Locking mechanism for vehicle doors. J. J. Black. 2,592,647, Apr. 15.
Locking mechanism for window latches. N. O. Holmsten. 2,613,524–5, Oct. 14.
Locking pin. D. S. Weiss. 2,594,239, Apr. 22.
Locking plate adjusting means for vise beams. R. O. Heinrich. 2,612,805, Oct. 7.
Locking stem adjustment valve. H. J. Koch and C. C. Lamar. 2,597,874, May 27.
Locking teeter-bar switch. A. C. Gaynor. 2,616,012, Oct. 28.
Locking thread structure. W. Moehle and W. Moehle, Jr. 2,581,690, Jan. 8.
Locomotive. C. K. Steins. 2,586,109, Feb. 19.
Locomotive. C. K. Steins. 2,590,473, Mar. 25.
Locomotive construction. H. T. Corbell. 2,589,056, Mar. 11.
Locomotive construction. J. W. Owens. 2,617,364, Nov. 11.
Locomotive exhaust deflector. B. O. Buckland and A. H. Morey. 2,609,766, Sept. 9.
Locomotive firebox and bracing means therefor. A. Tross. 2,623,508, Dec. 30.
Locomotive, Gas turbine. J. O. P. Hughes. 2,619,918, Dec. 2.
Locomotive, Power generating. H. G. McClean. 2,591,848, Apr. 8.
Locomotive, Steam. F. J. Liebl. 2,619,043, Nov. 25.
Locomotive structure. W. A. Brecht. 2,610,585, Sept. 16.
Locomotive structure, Railway. H. M. Pflager. 2,592,733, Apr. 15.
Locomotive, Two-power electric. M. C. Potter. 2,600,320, June 10.
Locomotive valve and valve gear, including separate intake and exhaust valves and separate actuating mechanisms therefor in a single valve chest. P. Willis. 2,593,951, Apr. 22.
Log barker, Chain-type. H. J. Eklund and C. W. Miller. 2,608,224, Aug. 26.
Log barker with traveling jet and automatic and manual controls, Hydraulic. H. W. Guettler. 2,605,794, Aug. 5.
Log carrier. T. L. Anderson and T. H. Esbenshade. 2,583,075, Jan. 22.
Log debarker, Portable. H. J. Eklund and C. W. Miller. 2,608,223, Aug. 26.
Log fitting machine. G. W. Tibbets. 2,602,476, July 8.
Log handling apparatus. H. L. Baldwin. 2,587,681, Mar. 4.
Log-handling apparatus. L. N. Rees. 2,613,831, Oct. 14.
Log loading and unloading apparatus. U. A. Moores. 2,603,365, July 15.
Log loading tongs. C. H. Novotney. 2,620,210, Dec. 2.
Log or pipe transporter. H. F. Marshall. 2,589,048, Mar. 18.
Log peeling and shaping apparatus. J. Akins. 2,588,903, Mar. 11.
Log supporting and log manipulating device for wood debarking devices. E. Ekholm and V. C. Haner. 2,600,625, June 17.
Log turner. W. A. Pugh. 2,620,836, Dec. 9.
Log turner, Hook type sawmill. I. L. Hale. 2,597,319, May 20.
Log turner, Sawmill. G. E. Ross. 2,586,483, Feb. 19.
Logger's pike. C. Mitchell. 2,584,488, Feb. 5.
Logging caliper. B. F. Wiley. 2,622,334, Dec. 23.
Logging static spontaneous potentials in wells, Method and apparatus for. H.-G. Doll. 2,592,125, Apr. 8.
Logging tongs. S. Kramer. 2,581,799, Jan. 8.
Logging tower, Portable. H. D. Larson. 2,582,548, Jan. 15.
Logarithmic circuit. F. A. Hester. 2,582,831, Jan. 15.
Long chain olefinic hydrocarbons by polymerization, Production of. G. L. Hervert. 2,622,113, Dec. 16.
Long span structure. F. Kramrisch. 2,622,546, Dec. 23.
Longitudinal and transversal bulkheads in ships. D. Tom-Petersen. 2,581,890, Jan. 8.
Longitudinally adjustable legs, for example for seats, stools, or the like. C. and E. Cornelissen. 2,600,735, June 17.
Loom: *See*—
Circular loom.
Hand loom.
Pile fabric loom.
Toy bead loom.
Weaving loom.
Loom. A. Jarvis. 2,613,693, Oct. 14.
Loom. A. J. Murphy. 2,609,840, Sept. 9.
Loom. S. P. Parker. 2,600,682, June 17.
Loom. A. F. Sargent. 2,619,989, Dec. 2.
Loom and weaving. W. J. Budzyna and M. R. Flamand. 2,604,123, July 22.
Loom box front. H. E. Wenrich and R. J. Norce. 2,596,315, May 13.
Loom check. G. H. Hufferd. 2,596,483, May 13.
Loom cloth edge determining device. G. Schneebeli. 2,591,725, Apr. 8.
Loom filling feeler. K. E. Sanderson. 2,593,614, Apr. 22.
Loom for the production of closely woven fabrics, Circular. H. Pelcé. 2,582,392, Jan. 15.
Loom for weaving tufted pile fabrics. I. B. Bassindale and F. B. Schofield. 2,620,834, Dec. 9.
Loom harness. J. J. Kaufmann. 2,601,872–3, July 1.
Loom harness. J. J. Kaufmann. 2,608,216, Aug. 26.
Loom harness. J. J. Kaufmann. 2,614,586, Oct. 21.
Loom harness. J. J. Kaufmann. 2,619,991, Dec. 2.
Loom harness for drawing in machines. B. T. Leveque. 2,623,548, Dec. 30.
Loom harness with slidable heddle bar support. B. T. Leveque. 2,591,563, Apr. 1.
Loom having an automatic change of the weft cops. K. Schwabe. 2,622,631, Dec. 23.
Loom having means for severing tuft forming strands. J. K. McCutchen and D. A. Tillman. 2,598,579, May 27.

Loom picker. J. H. Chadbourne. 2,585,435, Feb. 12.
Loom picker. S. W. La Rocque. 2,586,065, Feb. 19.
Loom picking motion. A. Müller. 2,583,005, Jan. 22.
Loom shuttle. R. J. Messier. 2,581,494, Jan. 8.
Loom take-up let-back mechanism. H. B. Gosnell. 2,591,538, Apr. 1.
Loom temple. F. A. Hoffman. 2,603,245, July 15.
Loom with swinging hook bar. W. Pruitt and R. R. Pope. 2,603,241, July 15.
Loop antenna input circuits. W. F. Sands. 2,589,736, Mar. 18.
Loop antenna tuning circuit. W. J. Stolze. 2,589,745, Mar. 18.
Loop forming device for stitch forming mechanism. E. V. Briem. 2,599,226, June 3.
Loop retainer, Readily releasable. J. R. Ayers. 2,582,093, Jan. 8.
Looper mechanism for blind-stitch sewing machine. F. Parry. 2,601,054, June 17.
Loose-leaf binder. J. M. Bender. 2,582,953, Jan. 22.
Loose-leaf binder. C. J. Broadhurst. 2,590,928, Apr. 1.
Loose-leaf binder. E. F. Buenger and F. D. Wedge. 2,612,167, Sept. 30.
Loose-leaf binder. W. McKowen. 2,607,350, Aug. 19.
Loose-leaf binder. J. C. Miller. 2,617,423, Nov. 11.
Loose-leaf binder, Slidably actuated. S. Segal. 2,612,169, Sept. 30.
Loose-leaf check and binder assembly. F. Kautzman and J. A. B. Peak. 2,583,852, Jan. 29.
Loose-leaf holder case. C. J. Panfil, Sr. 2,620,801, Dec. 9.
Lost motion drive for rotary printing devices. M. W. Warren and A. D. Kneaskern. 2,603,153, July 15.
Lotion dispenser. W. W. Bowman. 2,599,686, June 10.
Loud-speaker. G. N. Howatt. 2,593,031, Apr. 15.
Loud-speaker diaphragms, Making. J. B. Brennan. 2,619,012, Nov. 25.
Loud-speaker heater attachment for drive-in theaters, Portable. H. M. Melzer. 2,613,757, Oct. 14.
Loud-speaker made from separate units having locking ring securing units together. R. D. Charlesworth. 2,590,935, Apr. 1.
Loud-speaker, Moving coil. P. G. A. H. Voigt. 2,615,995, Oct. 28.
Loud-speaker structure. L. S. Doubt. 2,602,860, July 8.
Loud-speaker with a tapered horn coupled to the speaker diaphragm. F. Massa. 2,604,182, July 22.
Lounging chair. C. W. Morris. 2,588,029, Mar. 4.
Loupe. S. L. May. 2,599,716, June 10.
Louver. R. C. Moyer, N. J. Oliver, and M. L. Rysdon. 2,587,509, Feb. 26.
Louver. J. L. Reid. 2,587,898, Mar. 4.
Louver construction. D. O. Axtell. 2,614,301, Oct. 21.
Louver construction. A. B. Madson. 2,580,937, Jan. 1.
Louver damper with pressure seal. S. B. Smith. 2,613,940, Oct. 14.
Louver for Venetian blinds, Adjustable. V. D. and R. R. Tocchetto. 2,623,251, Dec. 30.
Louver window. J. D. Easton. 2,587,567, Feb. 26.
Louver-window. J. A. Hyland. 2,601,707, July 1.
Low aspect ratio aircraft. A. C. Loedding. 2,619,302, Nov. 25.
Low capacity gear pump. C. J. Bergsma. 2,589,528, Mar. 18.
Low capacity switch. L. J. Bobb. 2,599,314, June 3.
Low-capacity vapor-electric device. J. L. Boyer. 2,600,390, June 17.
Low-frequency generator. N. L. Schmitz. 2,619,629, Nov. 25.
Low-frequency vibrational pickup. A. A. Chernosky. 2,600,967, June 17.
Low-frequency welding control. J. R. Parsons. 2,619,591, Nov. 25.
Low friction shockproof bearings. J. E. Lundberg. 2,620,668, Dec. 9.
Low inertia presser-mechanism for sewing machines. R. E. Johnson. 2,616,382, Nov. 4.
Low molecular weight, nitrogenous acrylate polymers. J. E. Fields and G. L. Wesp. 2,598,639, May 27.
Low nitrogen content gas, Producing. C. B. Glover. 2,606,827, Aug. 12.
Low open circuit voltage alternating current welding circuit. S. Oestreicher. 2,617,913, Nov. 11.
Low pass filter. L. K. Neher. 2,605,358, July 29.
Low-pressure drop fluid duct bend. A. C. Siciliano. 2,590,797, Mar. 25.
Low-pressure flash evaporator. E. P. Worthen and F. S. Barbour. 2,613,177, Oct. 7.
Low-pressure gaseous O_2 cycle with no chemical air purification. B. F. Dodge. 2,584,381, Feb. 5.
Low pressure intensifier for hydraulic press operation. C. M. Quinn. 2,618,930, Nov. 25.
Low-pressure process of and apparatus for separating gas mixtures. P. K. Rice and E. F. Yendall. 2,619,810, Dec. 2.
Low-pressure product drying. H. O. McMahon. 2,620,573, Dec. 9.
Low pressure propelled insecticidal aerosol composition. J. L. Endicott. 2,610,940, Sept. 16.
Low-temperature carbonization of coal. C. E. Lesher. 2,622,059, Dec. 16.
Low-temperature defrosting system. R. E. Pabst. 2,589,855, Mar. 18.
Low-temperature iso-olefin polymerization with aluminum chloride containing aluminum metal. H. G. Schutze. 2,581,147, Jan. 1.
Low-temperature polymerization of ethylenic compounds using as initiators compositions comprising sodium azide and an oxidant. E. G. Howard, Jr. 2,594,560, Apr. 29.
Low-temperature polymerization process employing P_2O_5 treated alkyl halide catalyst solvent. J. J. Kolfenbach and A. B. Small. 2,603,626, July 15.
Low-temperature separation of gases into constituents. J. S. Swearingen. 2,601,009, June 17.
Low-temperature separation process. B. J. Ferro, Jr. 2,600,494, June 17.
Low water-loss cement slurry. P. J. Lea. 2,614,998, Oct. 21.
Low water-loss cement slurry. P. J. Lea and H. B. Fisher. 2,619,181, Nov. 25.
Low water-loss cement slurry and cementing. P. J. Lea and H. B. Fisher. 2,614,634, Oct. 21.
Low water-loss cement slurry and cementing a well therewith. H. G. Cutforth. 2,598,675, June 3.
Lower alkyl esters of fluorinated propionic acid and making the esters. D. W. Chaney. 2,583,415, Jan. 22.
Lower alkyl esters of 2-cyanobutane-1,2,3,4-tetracarboxylic acids and process. G. Steinbrunn. 2,623,895, Dec. 30.
Lower fatty acid esters of geraniol, nerol, and linalool, Preparation of. R. L. Knapp and D. L. Schoenc. 2,609,388, Sept. 2.
Lower member of telescoping shock strut. G. E. Beringer and W. E. Sanders. 2,605,985, Aug. 5.
Lowerable A-frame. T. O. Davidson and B. L. Lonngren. 2,609,939, Sept. 9.
Lowering blood prothrombin level and lengthening clotting time with methylene-bis-hydroxy coumarin. H. A. Campbell, M. A. Stahmann, C. F. Huebner, and K. P. Link. 2,601,204, June 17.
Lowering the tendency towards setting of ammonium sulfate and ammonium sulfate of free-flowing form with a reduced tendency to setting. A. Butchart and J. Whetstone. 2,616,788, Nov. 4.
Lowering the tendency towards setting of potassium nitrate and potassium nitrate of free-flowing form with a reduced tendency to setting. A. Butchart. 2,616,785, Nov. 4.
Lowering the viscosity of hydrolyzed cellulose esters and product. C. J. Malm and L. J. Tanghe. 2,592,305, Apr. 8.
Lubricant. R. L. Merker and C. R. Singleterry. 2,597,018, May 20.
Lubricant. W. T. Stewart and A. Goldschmidt. 2,620,304, Dec. 2.
Lubricant. F. H. Stross. 2,584,085, Jan. 29.
Lubricant. F. C. Teeter. 2,621,158, Dec. 9.
Lubricant. J. R. White, O. H. Clark, and W. W. Woods. 2,609,342, Sept. 2.
Lubricant compositions. W. T. Stewart and A. Goldschmidt. 2,620,309, Dec. 2.
Lubricant consisting of copolymeric siloxanes substituted with methyl, phenyl, and halogenated-aryl radicals. H. J. Fletcher and M. J. Hunter. 2,599,984, June 10.
Lubricant containing a dimethyl silicone polymer and a trialkyl phosphate. D. H. Moreton. 2,618,601, Nov. 18.
Lubricant containing high molecular weight alkyl monothiocyanates. F. P. Otto. 2,619,464, Nov. 25.
Lubricant containing selenium compounds. W. Lowe, W. T. Stewart, and J. O. Clayton. 2,597,838, May 20.
Lubricant containing soap or phosphated hydroxy fatty acid or glyceride. E. C. Knowles, O. P. Puryear, and G. W. Eckert. 2,600,058, June 10.
Lubricant distribution system. W. W. Chew. 2,622,698, Dec. 23.
Lubricant, Extreme pressure. D. Harman and R. E. Thorpe. 2,599,761, June 10.
Lubricant fitting. I. Kalikow. 2,611,450, Sept. 23.
Lubricant measuring valve. J. T. Leonard. 2,584,890, Feb. 5.
Lubricant pump. A. P. Fox and L. C. Rotter. 2,616,524, Nov. 4.
Lubricant pump for machine tools. J. M. Walter. 2,588,676, Mar. 11.
Lubricant seal for bearings. R. E. Parry. 2,615,734, Oct. 28.
Lubricant stick. P. Strughold and J. F. May. 2,589,582, Mar. 18.
Lubricants. K. Duchon and F. H. MacLaren. 2,607,732, Aug. 19.
Lubricants and additives for lubricating oils and greases. J. M. Musselman and H. P. Lankelma. 2,587,642, Mar. 4.
Lubricants, Steam turbine. H. W. Rudel and J. I. Wasson. 2,595,169, Apr. 29.
Lubricated globe valve. A. S. Volpin. 2,584,761, Feb. 5.
Lubricated hermetically sealed rotating equipment. H. I. Becker. 2,617,494, Nov. 11.
Lubricated photographic element containing a mixture of higher fatty alcohols and higher fatty acids. W. P. M. J. Robijns. 2,588,765, Mar. 11.
Lubricated plug valve. E. C. Bostock. 2,593,967, Apr. 22.
Lubricated plug valve. A. S. Volpin and J. P. Smith. 2,591,031, Apr. 1.
Lubricated plug valve. H. J. Waddell and A. H. Edmonds. 2,596,963–4, May 13.

Lubricated plug valve. H. J. Waddell and A. H. Edmonds. 2,603,448, July 15.
Lubricated shaft bearing. V. S. Johnston. 2,602,712, July 8.
Lubricated valve. W. J. Bowan and F. Tratzik. 2,593,968, Apr. 22.
Lubricated valve. W. J. Bowan and F. Tratzik. 2,605,993, Aug. 5.
Lubricated valve. C. L. Martin. 2,616,657, Nov. 4.
Lubricated valve. F. Tratzik. 2,606,737, Aug. 12.
Lubricating and cooling means for bearings. A. Nihon. 2,584,220, Feb. 5.
Lubricating apparatus. C. T. Berry. 2,615,442, Oct. 28.
Lubricating apparatus. A. R. Burchsted. 2,593,841, Apr. 22.
Lubricating apparatus. E. W. Davis. 2,616,523, Nov. 4.
Lubricating apparatus. O. R. Haas. 2,609,891, Sept. 9.
Lubricating apparatus. J. F. Walker. 2,581,314, Jan. 1.
Lubricating apparatus. P. White. 2,621,758, Dec. 16.
Lubricating appartus for internal-combustion engines and the like. G. M. Krug. 2,598,801, June 3.
Lubricating arrangement for machines and mechanisms. B. Smith. 2,582,172, Jan. 8.
Lubricating bearings. D. G. Ross. 2,602,522, July 8.
Lubricating cock, Self-acting. L. Banides. 2,594,611, Apr. 29.
Lubricating composition. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,599,803, June 10.
Lubricating composition. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,603,604, July 15.
Lubricating composition. W. Gasser and P. R. Van Ess. 2,606,872, Aug. 12.
Lubricating composition. E. M. Kipp. 2,611,745–6, Sept. 23.
Lubricating composition. L. G. Morell and A. T. Knutson. 2,585,820, Feb. 12.
Lubricating composition. A. J. Morway and D. W. Young. 2,595,161, Apr. 29.
Lubricating composition. L. L. Neff. 2,594,795, Apr. 29.
Lubricating composition. R. O'Halloran. 2,588,279, Mar. 4.
Lubricating composition. H. J. Worth, W. H. Page and J. F. Cook. 2,595,557, May 6.
Lubricating composition containing boric acid. D. L. Cook. 2,614,985, Oct. 21.
Lubricating composition containing the reaction product of biuret and aliphatic esters of hydroxy acids. D. E. Adelson and R. G. Larsen. 2,599,736, June 10.
Lubricating composition of low pour point. J. H. Bartlett. 2,618,602, Nov. 18.
Lubricating composition of matter. D. Harman and R. E. Thorpe. 2,614,990, Oct. 21.
Lubricating compositions. L. R. Churchill. 2,614,078, Oct. 14.
Lubricating compositions. P. J. Garner. 2,623,855, Dec. 30.
Lubricating compositions. A. J. Morway and W. C. Howell, Jr. 2,610,948, Sept. 16.
Lubricating compositions. A. J. Morway and P. V. Smith, Jr. 2,588,273, Mar. 4.
Lubricating compositions. W. Pohl. 2,617,768, Nov. 11.
Lubricating compositions. W. C. Webber. 2,599,794, June 10.
Lubricating compositions and preparation. H. J. Worth. 2,595,556, May 6.
Lubricating compositions containing highly basic metal sulfonates. P. R. Van Ess and H. E. Sipple. 2,585,520, Feb. 12.
Lubricating device. E. W. J. Barrington and E. E. Robinson. 2,620,048, Dec. 2.
Lubricating device. D. E. Belich. 2,583,317, Jan. 22.
Lubricating device. C. M. Doyle. 2,582,901, Jan. 15.
Lubricating device. W. A. Herts. 2,589,081, Mar. 11.
Lubricating device for looms. O. H. Cram. 2,622,630, Dec. 23.
Lubricating device for universal joints. F. F. Miller, Jr. 2,617,279, Nov. 11.
Lubricating device, Motor vehicle front wheel. P. D. Douglass. 2,611,668, Sept. 23.
Lubricating fitting for vehicle springs. V. Fresolone, Jr. 2,584,119, Feb. 5.
Lubricating grease. G. F. Ford. 2,619,461, Nov. 25.
Lubricating grease. R. J. Moore. 2,614,079, Oct. 14.
Lubricating grease. R. O'Halloran and J. J. Kolfenbach. 2,588,280, Mar. 4.
Lubricating grease. A. F. Sirianni and I. E. Puddington. 2,583,604, Jan. 29.
Lubricating grease and manufacture. A. J. Morway. 2,610,947, Sept. 16.
Lubricating grease composition. A. J. Morway, D. W. Young, and D. L. Cottle. 2,604,450, July 22.
Lubricating grease composition. P. V. Smith, Jr., and A. J. Morway. 2,589,973, Mar. 18.
Lubricating grease compositions. A. J. Morway and P. V. Smith, Jr. 2,612,472–3, Sept. 30.
Lubricating grease compositions. A. J. Morway and P. V. Smith, Jr. 2,623,854, Dec. 30.
Lubricating grease, Extreme pressure. A. J. Morway and J. J. Kolfenbach. 2,581,126, Jan. 1.
Lubricating grease, High-temperature. A. J. Morway and J. J. Kolfenbach. 2,581,127, Jan. 1.
Lubricating grease manufacture, High-temperature. A. J. Morway and J. J. Kolfenbach. 2,599,343, June 3.
Lubricating greases, High-temperature. A. J. Morway and A. H. Matuszak. 2,591,586, Apr. 1.
Lubricating means for a worm and worm gear. W. Zingg. 2,617,497, Nov. 11.
Lubricating means for axle drive mechanisms. H. W. Alden. 2,618,359, Nov. 18.
Lubricating means for bearing assemblies. V. M. Shelden and D. E. Wells. 2,610,097, Sept. 9.
Lubricating means for change-speed transmissions and the like. R. G. Rich. 2,608,272, Aug. 26.
Lubricating means for power transmitting mechanism. B. W. Keese. 2,590,870, Apr. 1.
Lubricating means for reciprocatory member in a high-pressure chamber and blowoff means therefor. W. Van Heeckeren, G. W. Meadows, and B. A. Jacobson. 2,616,522, Nov. 4.
Lubricating means, more particularly for locomotive wheel flanges. O. W. Swanson. 2,608,271, Aug. 26.
Lubricating mechanism. G. H. Acker. 2,600,178, June 10.
Lubricating metal surface and article resulting therefrom. R. W. McCullough and C. K. Hanyen. 2,622,993, Dec. 23.
Lubricating method. R. D. Brouwer. 2,591,129, Apr. 1.
Lubricating oil. R. F. Nelson, A. J. Deutser, and M. R. Hefty. 2,581,132, Jan. 1.
Lubricating oil. W. T. Stewart and A. Goldschmidt. 2,620,307, Dec. 2.
Lubricating oil additive. J. H. Bartlett. 2,612,475, Sept. 30.
Lubricating oil additive. J. M. Musselman. 2,606,182, Aug. 5.
Lubricating oil additive materials. L. M. Welch. 2,614,080, Oct. 14.
Lubricating oil additive materials prepared by condensing alkyl halides with haloaromatic-aliphatic hydrocarbon copolymers. J. D. Garber and D. W. Young. 2,603,627, July 15.
Lubricating oil additives. J. D. Bartleson. 2,584,977, Feb. 12.
Lubricating oil additives. E. Lieber and E. P. Cashman. 2,599,337, June 3.
Lubricating oil additives. S. B. Lippincott and L. A. Mikeska. 2,615,845, Oct. 28.
Lubricating oil additives. S. B. Lippincott and A. H. Popkin. 2,582,708, Jan. 15.
Lubricating oil additives. A. E. Michaels and N. V. Hakala. 2,602,048, July 1.
Lubricating oil additives. W. H. Smyers and D. W. Young. 2,595,819, May 6.
Lubricating oil composition. R. W. Mertes. 2,623,016, Dec. 23.
Lubricating oil composition. L. L. Neff. 2,619,459–60, Nov. 25.
Lubricating oil composition. H. S. Trigg, H. D. Norris, and R. V. White. 2,585,877, Feb. 12.
Lubricating oil composition, Oxidation resistant. R. L. Heinrich. 2,595,140, Apr. 29.
Lubricating oil compositions. O. L. Harle. 2,620,302, Dec. 2.
Lubricating oil compositions. W. T. Stewart and A. Goldschmidt. 2,620,306, Dec. 2.
Lubricating oil, Compounded. S. C. Vaughn. 2,605,226, July 29.
Lubricating oil containing a copolymer of an ester of an unsaturated acid and a N-hydrocarbon amide of an unsaturated acid. W. E. Catlin. 2,613,184, Oct. 7.
Lubricating oil containing disulfide derivatives of organo-substituted thiophosphoric acids. J. P. McDermott. 2,591,577, Apr. 1.
Lubricating oil filter mounting. P. L. Francois. 2,591,248, Apr. 1.
Lubricating oil, Production of. H. R. Stewart and W. M. Thaw. 2,597,908, May 27.
Lubricating oil, Production of. C. M. Van Battum. 2,622,112, Dec. 16.
Lubricating oils. D. F. Wilcock and M. M. Sprung. 2,597,045, May 20.
Lubricating oils. D. F. Wilcock and M. M. Sprung. 2,623,019, Dec. 23.
Lubricating oils from shale oil, Manufacture of. P. Woog. 2,586,590, Feb. 19.
Lubricating oils from wax, Production of. W. M. Thaw and H. R. Stewart. 2,597,910, May 27.
Lubricating pump. H. Etzelt. 2,611,449, Sept. 23.
Lubricating pump. G. Nemetz. 2,599,195, June 3.
Lubricating pump. G. Nemetz. 2,603,158, July 15.
Lubricating pump. G. Nemetz. 2,619,191, Nov. 25.
Lubricating structure for leaf springs. J. L. Searle. 2,608,402, Aug. 26.
Lubricating system. E. Landis. 2,586,671, Feb. 19.
Lubricating system. J. M. Washburn. 2,584,243, Feb. 5.
Lubricating system and apparatus. D. G. Roos. 2,608,273, Aug. 26.
Lubricating system and/or apparatus. C. C. Higgens. 2,622,697, Dec. 23.
Lubricating system, Centralized. H. R. Tear. 2,612,237, Sept. 30.
Lubricating system for internal-combustion engines. J. E. Witzky, W. S. Lang, and R. J. Jakob. 2,619,189, Nov. 25.
Lubricating system for loom letoffs. W. S. Snow. 2,594,816, Apr. 29.

Lubricating system for rotary pumps. G. F. Martin. 2,606,715, Aug. 12.
Lubricating system for sewing machines. A. C. Peterson, R. A. Hayes and R. H. Lukins. 2,598,426, May 27.
Lubricating system on track roller. W. O. Bechman. 2,614,006, Oct. 14.
Lubrication apparatus. D. Johnson. 2,617,495, Nov. 11.
Lubrication cabinet. J. F. Carter. 2,589,538, Mar. 18.
Lubrication composition. E. M. Kipp. 2,611,742–4, Sept. 23.
Lubrication fitting. K. J. G. Leufvenius. 2,604,958, July 29.
Lubrication for rotary hydraulic swivels. L. W. Stahl. 2,608,385, Aug. 26.
Lubrication means for service pump drive on compressors. M. Haeberlein. 2,602,583, July 8.
Lubrication of conveyer apparatus for meat. W. F. Weber. 2,587,017, Feb. 26.
Lubrication of engine bearings. F. Postma. 2,586,379, Feb. 19.
Lubrication system. M. M. Holben and W. L. Weeks. 2,592,140, Apr. 8.
Lubrication system. C. C. S. Le Clair. 2,594,320, Apr. 29.
Lubrication system. D. N. Walker. 2,602,461, July 8.
Lubrication system for sewing machines. G. Sauer and C. C. Smith. 2,596,728, May 13.
Lubricator: *See*—
Conveyer lubricator.
Journal lubricator.
Oil mist lubricator.
Pressure lubricator.
Railway journal lubricator.
Removable ignition lubricator.
Self-feeding lubricator.
Top cylinder lubricator.
Upper cylinder lubricator.
Lubricator. A. Bray. 2,593,972, Apr. 22.
Lubricator. C. H. Scott. 2,596,607, May 13.
Lubricator. R. H. Woodall. 2,583,457, Jan. 22.
Lubricator for pneumatic tools, Air line. H. Gillerstrom. 2,585,457, Feb. 12.
Lug strap holder for picker sticks. D. B. Hardee. 2,604,908, July 29.
Lug strap support for looms. S. O. Dodge. 2,622,629, Dec. 23.
Luggage. P. H. Capra. 2,598,888, June 3.
Luggage carrier attachment for automobiles. K. W. McCrory and A. W. Rollins. 2,596,860, May 13.
Luggage carrier for bicycles. L. Jette. 2,589,497, Mar. 18.
Luggage carrier having projectable and retractable supporting rollers. W. C. Jones. 2,581,417, Jan. 8.
Luggage compartment, Turret top. W. E. Martin. 2,597,656, May 20.
Luggage construction. H. M. Stone. 2,608,280, Aug. 26.
Luggage container. C. J. Lacher. 2,613,847, Oct. 14.
Luggage hardware. D. Levine. 2,613,770, Oct. 14.
Luggage having separable case portions, Wardrobe. E. K. Trimble and C. R. Yost. 2,611,463, Sept. 23.
Luggage or like handle of reinforced and cushioned construction. L. Stein. 2,595,724, May 6.
Luggage rack having adjustable lighting fixtures, Electrically conductive. O. W. Rahn. 2,622,189, Dec. 16.
Luggage sealing device. M. P. Koch. 2,604,961, July 29.
Lumber cutting jig. Z. H. Giles. 2,613,707, Oct. 14.
Lumber sorting apparatus. C. F. Setzer and H. W. Ryan. 2,613,825, Oct. 14.
Lumber stacker. H. E. Hessler. 2,617,544, Nov. 11.
Lumber truck unloading device. P. Penberthy and W. E. Miller. 2,606,678, Aug. 12.
Lumber unstacking and distributing apparatus. M. D. and R. I. Barney and E. A. Jordan. 2,614,706, Oct. 21.
Luminaire, Direct lighting. H. L. Logan. 2,590,192, Mar. 25.
Luminaire for elongated tubular lamps. G. R. Baumgartner. 2,619,583, Nov. 25.
Luminaire for elongated tubular lamps. F. C. Winkler and B. A. Wyman. 2,606,998, Aug. 12.
Luminaire with easily removable reflector, Open type. E. H. Yonkers. 2,612,600, Sept. 30.
Luminescent films, Self-supporting. R. G. Picard. 2,588,569, Mar. 11.
Luminescent screen. V. H. Fraenckel and L. R. Koller. 2,602,900, July 8.
Luminescent screen. H. A. Klasens and A. W. Vingerhoets. 2,616,817, Nov. 4.
Luminescent screen for image reproducing tubes. S. A. Standing. 2,612,476, Sept. 30.
Luminescent tube system and apparatus. J. H. Bridges. 2,615,067, Oct. 21.
Luminescent zinc sulfide phosphors and preparing same. J. R. C. Brown, Jr. 2,610,154, Sept. 9.
Luminous attachment for door locks. B. Heinz. 2,598,376, May 27.
Luminous attachment for the cover plate of vehicle locks. B. Heinz. 2,598,375, May 27.
Luminous flux modulator. M. Morrison. 2,589,421, Mar. 18.
Luminous multipurpose sealer composition, Making a. A. B. Bleecker. 2,620,311, Dec. 2.
Luminous signs, Making. D. M. McGill. 2,595,970, May 6.
Lunch box. J. W. Coney. 2,611,476, Sept. 23.
Lunch box. E. H. Gronlund. 2,585,310, Feb. 12.
Lunch kit and handbag, Combination. C. W. Sundberg and M. Ferar. 2,615,563, Oct. 28.
Lure. M. J. Isaac. 2,618,093, Nov. 18.
Lure holder for fishermen. F. Brennan. 2,583,680, Jan. 29.
Lure or bait. J. B. Hinkle. 2,618,092, Nov. 18.
Lure-type sinker. J. S. Waugler. 2,605,577, Aug. 5.
Lysergyl and isolysergyl glycines. A. Stoll, A. Hofmann, E. Jucker, T. Petrzilka, J. Rutschmann, and F. Troxler. 2,589,978, Mar. 18.
Lysine, Preparing. R. Gaudry. 2,603,651, July 15.
m-Allyl-oxy-phenyl-isothiocyanate. H. Spiegelberg and G. Rey-Bellet. 2,595,723, May 6.
m-Phthalimidomethyl derivatives of aniline, nitrobenzene, and nuclear substitution products thereof. S. R. Buc. 2,593,840, Apr. 22.
Machinable high cobalt low carbon alloys for die-casting molds. J. A. Nelson and C. W. Schuck. 2,598,714, June 3.
Machine and method for applying labels to articles on a conveyer. G. W. von Hofe. Re. 23,512, June 10.
Machine and method for collapsing springs in pockets. R. H. Stevens. 2,605,725, Aug. 5.
Machine and method for fastening hassocks. O. R. Haas. 2,581,017, Jan. 1.
Machine and method for forming collapsible tubing. W. E. Rejeski. 2,592,336, Apr. 8.
Machine and method for magnetically turning springs in pockets. R. H. Stevens. 2,605,947, Aug. 5.
Machine and method for manufacturing closures. H. Z. Gora. 2,593,439, Apr. 22.
Machine and process for compounding rubber or like mixes. F. E. Brown. 2,586,607, Feb. 19.
Machine bit for drilling wood. J. V. Emmons. 2,613,710, Oct. 14.
Machine brush, Dynamoelectric. R. T. Lundy. 2,613,239, Oct. 7.
Machine cycle control system. P. Cohen. 2,609,553, Sept. 9.
Machine drive. M. Shapiro. 2,600,929, June 17.
Machine element. R. A. Winefordner and L. M. McPheron. 2,621,052, Dec. 9.
Machine for abrading citrus fruits. C. E. Fraser. 2,608,226, Aug. 26.
Machine for additionally shaping performed caps or other workpieces. W. H. Diezel. 2,607,394, Aug. 19.
Machine for angularly guiding and mounting tires on wheels. W. F. Simpson. 2,597,268, May 20.
Machine for applying address labels. W. F. Ridenour. 2,606,681, Aug. 12.
Machine for applying adhesive to carton flaps. J. Van Buren. 2,603,181, July 15.
Machine for applying adhesive to paper and the like. E. F. Taylor and A. H. Williams. 2,605,740, Aug. 5.
Machine for applying adhesive to the binding edges of books. P. de Florez. 2,605,739, Aug. 5.
Machine for applying and sealing closures on containers. H. E. Stover. 2,618,425, Nov. 18.
Machine for applying cement to platform wedge heels. W. P. Osgood. 2,598,717, June 3.
Machine for applying glue in stripes to sheet material. R. Minkow. 2,590,339, Mar. 25.
Machine for applying pressure to shoe bottoms. L. G. Miller. 2,590,197, Mar. 25.
Machine for applying pressure to shoes. C. J. Gross. 2,621,348, Dec. 16.
Machine for applying protective coating to pipes. W. C. Hall. 2,602,415 July 8.
Machine for applying ribbed strips to orthopedic insoles. N. E. Mariner. 2,594,470, Apr. 29.
Machine for applying solid rubber tires to wheel rims. P. D. Mize. 2,613,736, Oct. 14.
Machine for applying tape to cylindrical containers. J. G. Jones and L. A. Ulmschneider. 2,585,250, Feb. 12.
Machine for applying treatment solution over limited areas of motion-picture film. H. L. Fitch and S. L. Scudder. 2,588,973, Mar. 11.
Machine for assembling and securing parts. P. J Bresciani. 2,602,562, July 8.
Machine for assembling and trying out dies. R. F. Moore 2,623,413, Dec. 30.
Machine for assembling electrical connectors. C. E. and M. D. Gilbert, and N. Coates. 2,613,432, Oct. 14.
Machine for attaching snap fasteners to tape and the like. R. A. Proud and H. C. Stanley. 2,613,835, Oct. 14.
Machine for automatically timing the immersion of an article into a series of liquids. G. F. Davis and E. J. Ayars. 2,615,421, Oct. 28.
Machine for bagging cereals or grain. E. Korber. 2,609,134, Sept. 2.
Machine for balancing balance wheels and the like. W. Kohlhagen. 2,587,048, Feb. 26.
Machine for beading silver chloride plates. E. W. Gent and W. W. Werring. 2,622,271, Dec. 23
Machine for bending sheets. D. O. McCall. 2,591,085, Apr. 1.
Machine for bending steel profiles and rods. W. Peddinghaus and E. Funke. 2,621,702, Dec. 16.
Machine for binding wreaths. H. L. Nielsen. 2,600,071, June 10.
Machine for blowing sand into molds. R. W. Taccone. 2,598,621, May 27.
Machine for boring connecting rods. E. A. Arp. 2,612,064, Sept. 30.

Machine for boring connecting rods. E. A. Arp. 2,614,442, Oct. 21.
Machine for boring pistons. E. A. Arp. 2,618,178, Nov. 18.
Machine for buffing tires. P. E. Hawkinson. 2,610,446, Sept. 16.
Machine for building walls of hardenable plastic material. W. E. Urschel. 2,607,100, Aug. 19.
Machine for casting hollow articles. G. C. Kohl. 2,581,418, Jan. 8.
Machine for charging detonator carrying plates. R. W. Martyn. 2,615,363, Oct. 28.
Machine for cleaning eggs, fruit, and the like. A. Holt. 2,620,603, Dec. 9.
Machine for cleaning receptacles. H. M. Kendall. 2,609,916, Sept. 9.
Machine for closing cartons. A. E. Rideout. 2,584,925, Feb. 5.
Machine for coating web material. A. E. Mikkelsen. 2,622,558, Dec. 23.
Machine for coding labels. H. E. Rue and L. Tigerman. 2,589,512, Mar. 18.
Machine for comparing and classifying record cards. K. A. Knutsen. 2,610,736, Sept. 16.
Machine for conditioning liquids with gases. R. Dering. 2,609,189, Sept. 2.
Machine for constricting tubes. O. F. A. Biginelli. 2,592,593, Apr. 15.
Machine for counting and stacking articles. R. E. J. Nordquist. 2,612,089, Sept. 30.
Machine for cutting and grooving bottoms of tenpins. H. W. Meyers. 2,622,639, Dec. 23.
Machine for cutting articles from metal sheets. J. I. Webb. 2,621,735, Dec. 16.
Machine for cutting clutches. E. Wildhaber. 2,608,906, Sept. 2.
Machine for cutting index notches. C. D. Chase. 2,620,874, Dec. 9.
Machine for cutting lengths from strips of thin material. L. G. Forster. 2,586,462, Feb. 19.
Machine for cutting match splints or the like. P. W. Dietmann. 2,581,786, Jan. 8.
Machine for cutting mock chicken legs. J. A. Grimm. 2,609,564, Sept. 9.
Machine for cutting noncircular gears, cams, and the like. J. G. Tappert and W. Sperling. 2,616,337, Nov. 4.
Machine for cutting or chopping fodder. I. S. Mateu. 2,605,800, Aug. 5.
Machine for cutting, processing, and/or seaming fabric or like sections, and product thereof. S. H. Phillips. 2,592,463, Apr. 8.
Machine for cutting rayon staple. H. L. Jordan, J. Preston, and J. Sandbam. 2,623,585, Dec. 30.
Machine for cutting taper grooves. E. W. Miller. 2,608,137, Aug. 26.
Machine for cutting textiles. R. T. Korolyshun and F. J. Sullivan. 2,588,016, Mar. 4.
Machine for cutting ties or the like. J. H. Lorimer. 2,591,568, Apr. 1.
Machine for cutting tobacco and the like. P. Q. R. Schreiber. 2,614,596, Oct. 21.
Machine for cutting transverse slots across strips of material. A. A. Kniff. 2,602,477, July 8.
Machine for cutting webs of material into strips. D. N. Judelson. 2,593,154, Apr. 15.
Machine for decapping honeycombs. T. M. Bogenschutz. 2,580,397, Jan. 1.
Machine for decorating china or the like. F. Baron. 2,597,968, May 27.
Machine for delivering articles serially. J. B. Wilson. 2,586,281, Feb. 19.
Machine for depositing a coating along a line on a tube. D. Kayser. 2,585,330, Feb. 12.
Machine for depositing candy icing on cards A. W. Krieg and J. Mayer. 2,610,591, Sept. 16.
Machine for die-casting and injection molding. E. Wittlin. 2,586,896, Feb. 26.
Machine for dispensing rodlike articles, such as sugarcane setts. R. S. L. Hulett. 2,617,556, Nov. 11.
Machine for distributing fertilizer material and the like. M. E. Lehman. 2,581,263, Jan. 1.
Machine for doffing spinning and like machines. J. Gregory, G. A. R. Foster and H. Catling. 2,601,386, June 24.
Machine for driving rail fastening screws in railroad ties. W. E. Piper. 2,591,005, Apr. 1.
Machine for drying and bagging frozen confections. E. Tomusko. 2,608,329, Aug. 26.
Machine for drying and fluffing flatwork laundry. M. Troy. 2,591,321, Apr. 1.
Machine for dyeing fabrics. J. Dungler. 2,603,077, July 15.
Machine for electrically sealing fiber containers. H. T. Odquist and E. W. Macoy. 2,585,031, Feb. 12.
Machine for end grinding elongated workpieces. G. F. Johnson. 2,586,953, Feb. 26.
Machine for erecting cartons. F. M. Willbrandt. 2,612,087, Sept. 30.
Machine for erecting collapsed cartons. J. V. Ferraro. 2,592,880, Apr. 15.
Machine for feeding and inserting screws. W. M. Phelps. 2,596,958, May 13.
Machine for feeding metal sheets from the top of stacks. R. J. Van Schie. 2,621,806, Dec. 16.
Machine for feeding sheets from the top of a stack of stiff sheets. R. J. Van Schie. 2,593,814, Apr. 22.
Machine for feeding, transferring, and compacting articles into a unit layer. J. E. Socke. 2,619,237, Nov. 25.
Machine for feeding workpieces to power presses. R. V. Heller. 2,618,337, Nov. 18.
Machine for feeding, working, and mixing plastic material J. C. Clinefelter. 2,595,210, Apr. 29.
Machine for filling and capping bottles and like containers. A. Graham-Enock. 2,597,791, May 20.
Machine for filling cans. D. M. McBean, L. C. Tallman, and R. E. Moyer. 2,621,844, Dec. 16.
Machine for filling containers with semiliquid products. E. W. Bridge. 2,605,948, Aug. 5.
Machine for filling liquids in containers in vacuum. W. K. Cabot. 2,600,391, June 17.
Machine for finishing articles of pottery ware. E. G. Arelt. 2,608,738, Sept. 2.
Machine for finishing gears with diagonal traverse. W. S. Pmeg. 2,598,431, May 27.
Machine for finishing hats. W. C. Griffing and A. E. Hodshon. 2,615,599, Oct. 28.
Machine for folding carton inserts. G. B. Sayre and O. Winz. 2,580,846, Jan. 1.
Machine for folding cartons. D. Levkoff. 2,583,860, Jan. 29.
Machine for folding paper box blanks on a stack thereof. H. E. Montgomery. 2,609,736, Sept. 9.
Machine for forming and finishing concrete surfaces. J. H. Hohnke and C. R. Anderson. 2,587,321, Feb. 26.
Machine for forming and sewing fringe. W. V. Williams. 2,606,514, Aug. 12.
Machine for forming and welding parts. A. F. Pityo and H. E. Butterfield, Jr. 2,605,537, Aug. 5.
Machine for forming clay pipes with bell-shaped ends. R. Lucy, J. D. Rossler, and C. V. McClintock. 2,591,267, Apr. 1.
Machine for forming cores for veneered doors. M. G. Faussner. 2,617,321, Nov. 11.
Machine for forming cutters. J. J. Lucas. 2,597,648, May 20.
Machine for forming double lap flaring on tubing. E. A. de Voss. 2,620,013, Dec. 2.
Machine for forming dough into rolls and the like. V. R. Schmittroth. 2,618,227, Nov. 18.
Machine for forming molds. R. W. Taccone. 2,588,669, Mar. 11.
Machine for forming solder bars. C. E. Burke. 2,592,005, Apr. 8.
Machine for forming springs having closed ends. H. Hopkes, Jr. 2,615,478, Oct. 28.
Machine for forming structural material. G. G. Havens. 2,606,133, Aug. 5.
Machine for forming teeth for peg tooth harrows. D. A. Wangelin. 2,612,063, Sept. 30.
Machine for forming the lower segment of in-place concrete pipe. O. E. Jerner. 2,620,634, Dec. 9.
Machine for forming the upper faces of wedge heels. H. W. Russ and E. E. Joiner, Jr. 2,613,705, Oct. 14.
Machine for gathering, turning, and windrowing hay or the like. H. K. Cymara. 2,609,651, Sept. 9.
Machine for gauging bottleneck openings. A. D. McNutt and R. L. Newton. 2,596,342, May 13.
Machine for generating airfoil profiles. O. E. Zuiderhoek. 2,622,371, Dec. 23.
Machine for grating the peel on citrus fruits. H. M. Riggle and W. B. Rose. 2,619,139, Nov. 25.
Machine for grinding edges of glass plates. K. A. Weber. 2,597,416, May 20.
Machine for grinding or refining paint, cellulose, chocolate, and other substances. J. McIntyre. 2,604,270, July 22.
Machine for grinding or refining paint, cellulose, chocolate, and similar substances. J. McIntyre. 2,613,037, Oct. 7.
Machine for grinding the ends of coiled springs. H. F. Heath. 2,580,542, Jan. 1.
Machine for grinding the main bearing pins and crankpins of crankshafts. R. Musyl. 2,597,167, May 20.
Machine for grinding twist drills. K. Trippel. 2,591,893, Apr. 8.
Machine for handling and transporting material. L. H. Lull. 2,621,812, Dec. 16.
Machine for handling flanged pins. S. L. Gookin. 2,621,824, Dec. 16.
Machine for handling potato vines. E. D Dahlman. 2,590,758, Mar. 25.
Machine for handling sugar beets, potatoes, and the like. G. O. Graaff. 2,608,815, Sept. 2.
Machine for harvesting potatoes and other root crops. T. H. Milbourn. 2,601,412, June 24.
Machine for hooping tubes. R. Gauthier. 2,589,366, Mar. 18.
Machine for husking cereal grains. P. Lindner and J. Hoffmann. 2,616,466, Nov. 4.
Machine for imprinting and punching cards. T. E. Torkelson. 2,620,726, Dec. 9.
Machine for inserting handles in cartons. L. E. Arneson. 2,601,816, July 1.
Machine for inserting filter plugs in cigarette tubes. H. Gamble. 2,597,720, May 20.
Machine for inserting pouring spouts into containers. H. Brucker. 2,589,769, Mar. 18.

Machine for inverting containers. W. L. Sommer, E. I. Leeder, and C. L. Collins. 2,585,697, Feb. 12.
Machine for inverting containers and directing cleaning fluid thereinto. L. T. Cookson. 2,601,263, June 24.
Machine for lasting, sewing, and trimming shoes. W. G. Birch. 2,615,186, Oct. 28.
Machine for lasting, sewing, and trimming shoes. R. E. Sutton and W. E. Trask. 2,615,185, Oct. 28.
Machine for longitudinally corrugating long metal sheets. C. A. Richardson. 2,605,810, Aug. 5.
Machine for making cigarettes having filter or like plug or other mouthpieces. D. W. Molins. 2,606,560, Aug. 12.
Machine for making coffee rings. C. Hettinger. 2,591,546, Apr. 1.
Machine for making concrete blocks. R. B. Nelson, M. Davies, and F. Neth. 2,589,115, Mar. 11.
Machine for making corrugated paperboard. J. Aquilla. 2,587,273, Feb. 26.
Machine for making cushioned pads. R. A. Wetherell. 2,620,854, Dec. 9.
Machine for making electrode assemblies. P. L. Reed. 2,608,743, Sept. 2.
Machine for making emulsions. N. B. Gallenkamp. 2,585,925, Feb. 19.
Machine for making fluted containers. R. W. Hoag. 2,597,994, May 27.
Machine for making garment hangers. J. V. Boyles. 2,588,476, Mar. 11.
Machine for making glass articles. L. C. Kahle. 2,596,899, May 13.
Machine for making honeycomb core material. H. C. Engel, W. W. Troxell, and T. P. Pajak. 2,609,314, Sept. 2.
Machine for making hot tamales and similar food products. F. L. White. 2,620,173, Dec. 2.
Machine for making laminated paper tubes. R. H. von Liedtke. 2,602,382, July 8.
Machine for making manifold forms or pads. R. M. Kanik. 2,586,055, Feb. 19.
Machine for making mechanical drawings. A. A. Goerz. 2,595,842, May 6.
Machine for making noncircular tubing on continuously rotating arbors. P. M. Padgett. 2,618,233, Nov. 18.
Machine for making roofing tiles. R. H. Richardson and T. H. Wilson. 2,586,714, Feb. 19.
Machine for making spiral bags. P. Gardner. 2,585,762, Feb. 12.
Machine for making spring dowel pins. H. Peters and E. J. Haedike. 2,582,062, Jan. 8.
Machine for making stereotype mats. R. Finzer. 2,618,073, Nov. 18.
Machine for making tacks. R. V. Howell. 2,621,345, Dec. 16.
Machine for making up parcels and packages. H. Total. 2,609,646, Sept. 9.
Machine for making Vienna rolls. J. Martka. 2,617,370, Nov. 11.
Machine for manufacture of pottery articles. H. Strasser, 2,623,258, Dec. 30.
Machine for manufacturing fiberboard. N. Ryberg. 2,592,470, Apr. 8.
Machine for manufacturing match splints. O. Schnellmann. 2,587,655, Mar. 4.
Machine for marking articles. C. Bustamante. 2,616,362, Nov. 4.
Machine for measuring and dispensing variable volumes of liquids. J. Kahl and G. H. Muller. 2,593,889, Apr. 22.
Machine for measuring, cutting, and rolling linoleum. A. C. Manning. 2,595,593, May 6.
Machine for measuring leather. R. E. Derby. 2,617,197, Nov. 11.
Machine for milling pockets in curved stereotype plates. O. C. Roesen. 2,613,578, Oct. 14.
Machine for mining and loading coal. L. L. Wylam. 2,583,458, Jan. 22.
Machine for mining coal. W. S. Galloway. 2,610,840, Sept. 16.
Machine for mining precious metals or stones in rivers beneath the surface thereof. W. T. Vogelpoel. 2,616,560, Nov. 4.
Machine for mining tender stones or other mineral substances. P. E. Bataille. 2,582,521, Jan. 15.
Machine for mitering and cutting finger grips in glass. J. B. Tavano. 2,612,009, Sept. 30.
Machine for mixing and kneading or for mincing, Electrically driven. H. T. Lamb. 2,594,936, Apr. 29.
Machine for molding blocks or bricks, Hand operated. R. L., B. J., and R. L. Sturtevant Jr. 2,586,184, Feb. 19.
Machine for molding concrete blocks. M. Davies and F. Neth. 2,620,541, Dec. 9.
Machine for molding drain tile. J. H. Minton. 2,608,739, Sept. 2.
Machine for molding pies. W. H. Elvis. 2,596,388, May 13.
Machine for mounting a flexible film on glass for making lantern slides. K. A. Van Dyck and G. J. Koch. 2,611,720, Sept. 23.
Machine for mounting and demounting mandrel-held flexible tubes. E. N. Broden. 2,604,658, July 29.
Machine for mounting snap fasteners or the like having tape advancing means. W. A. Erhardt, Jr. 2,614,714, Oct. 21.
Machine for notching signatures. A. Cahen. 2,605,837, Aug. 5.
Machine for operating in rock, coal, and the like. E. W. Hurd. 2,613,061, Oct. 7.
Machine for operating on blanks. A. L. Currier. 2,582,012, Jan. 8.
Machine for operating on shoe soles. G. Frost. 2,603,803, July 22.
Machine for operating on strip stock. F. Koch. 2,610,388, Sept. 16.
Machine for packaging wire forms. W. F. Feyrer. 2,599,547, June 10.
Machine for packing bottles with relatively small objects. R. Althoff. 2,587,584, Mar. 4.
Machine for packing buns and the like in cartons. C. F. and C. C. Johnsen. 2,609,645, Sept. 9.
Machine for pegging or keying armature windings. W. Swift. 2,619,716, Dec. 2.
Machine for piercing eggs and for emptying same by means of a current of air. A. Bosch and G. J. Noltes. 2,594,619, Apr. 29.
Machine for pitting fruits such as dates. A. W. Schafer. 2,611,403, Sept. 23.
Machine for placement of concrete and the like. C. Jackson. 2,599,330, June 3.
Machine for placing concrete and the like. C. Jackson. 2,584,459, Feb. 5.
Machine for planing and jointing. J. C. Ryan. 2,612,192, Sept. 30.
Machine for planting grain between rows of standing corn and the like. E. D. Haley. 2,586,032, Feb. 19.
Machine for plucking feathers. F. Fisher. 2,599,621, June 10.
Machine for prebreaking, gluing, folding, delivering, and stacking creased carton blanks. H. S. Labombarde. 2,589,944, Mar. 18.
Machine for preparation of relief maps. B. Ivins and G. M. Pelt. 2,608,907, Sept. 2.
Machine for preparing shoe uppers for lasting. J. W. Pratt. 2,605,838, Aug. 5.
Machine for preparing uppers for lasting. J. W. Pratt and E. H. Simms. 2,607,419, Aug. 19.
Machine for polishing blades. J. O. Creek. 2,589,782, Mar. 18.
Machine for printing on spherical objects. J. I. Pneuman and J. L. Foote. 2,590,456, Mar. 25
Machine for processing materials. A. E. Poulsen. 2,591,721, Apr. 8.
Machine for processing synthetic threads. W. D. Lowell. 2,623,496, Dec. 30.
Machine for producing gears. L. O. Carlsen and N. W. Fowler. 2,589,475, Mar. 18.
Machine for producing pads for journal lubrication. A. A. and H. D. McVicker. Re. 23,450, Jan. 15.
Machine for producing patterns photographically on the surface of copper and like rollers. L. Frank. 2,589,933, Mar. 18.
Machine for producing pile fabrics. R. Laing. 2,583,337, Jan. 22.
Machine for producing tubes or other hollow cylindrical articles. H. Helmann. 2,596,552, May 13.
Machine for producing wood screws. L. Viellard. 2,582,662, Jan. 15.
Machine for ramming foundry cores by means of compressed air. F. Hansberg. 2,611,938, Sept. 30.
Machine for reading-in and punching Jacquard cards. A. Velghe. 2,599,213, June 3.
Machine for removing bark from logs. A. E. Andersson. 2,623,558, Dec. 30.
Machine for removing metallic elements from flexible strips. W. R. McDaniel. 2,612,949, Oct. 7.
Machine for removing pits from fruit. G. W. Ashlock, Jr. 2,604,131, July 22.
Machine for removing portions of the coating from coated glass articles. A. F. Casler. 2,600,846, June 17.
Machine for removing threaded dies from molded parts. J. Krebs, Jr. 2,599,764, June 10.
Machine for reprocessing phonograph record disks. N. T. Almquist and A. C. De Napoli, Jr. 2,589,185, Mar. 11.
Machine for reshaping the flange of irregular shaped cans. J. Simpson and C. W. Thomas. 2,601,641, June 24.
Machine for reversely sheeting dough. H. C. Rhodes. 2,605,723, Aug. 5.
Machine for rinsing bottled fruits and the like. B. C. Eisenberg. 2,614,680, Oct. 21.
Machine for riving shakes. E. E. Bearce. 2,616,461, Nov. 4.
Machine for rolling tapered disks. E. A. Nelson. 2,588,651, Mar. 11.
Machine for rough milling and generative finishing of machine elements. E. W. Miller. 2,599,408, June 3.
Machine for roughening leather and plastic materials. E. Tonblanc. 2,614,411, Oct. 21.
Machine for separating membranes of animal intestines. A. H. Castelow. 2,595,638, May 6.
Machine for setting-up box blanks. D. Levkoff. 2,598,569, May 27.
Machine for setting-up cartons. D. Levkoff. 2,581,115, Jan. 1.
Machine for severing tags. J. A. Carlson. 2,587,030, Feb. 26.

Machine for shaking sleeves and the like, operable by a relatively incompressible liquid. A. I. Silmes. 2,581,303, Jan. 1

Machine for shaping uppers over lasts. T. A. Kestell. 2,609,552, Sept. 9.

Machine for sharpening tools. O. A. Johnson. 2,599,639, June 10.

Machine for sizing bushings. J. Haller. 2,586,943, Feb. 26.

Machine for slicing pickles. C. G. Lang. 2,621,695, Dec. 16.

Machine for slicing stationarily positioned bakery products. K. Schlegel. 2,612,198, Sept. 30.

Machine for slicing veneer strips from wood blocks. C. F. Bamford. 2,604,913, July 29.

Machine for slitting the margins of shoe uppers. J. Gudger. 2,585,931, Feb. 19.

Machine for slitting the margins of shoe uppers. J. Gudger. 2,614,277, Oct. 21.

Machine for sorting compressible elements. L. M. Puster and J. A. Kaserman. 2,591,868, Apr. 8.

Machine for sorting goods. D. P. Larham. 2,610,748, Sept. 16.

Machine for spreading glue on the edges of boards. J. Marcantel. 2,622,557, Dec. 23.

Machine for spreading road surfacing material. E. Trampler. 2,586,396, Feb. 19.

Machine for straightening and cutting wire. O. R. Brekle. 2,612,912, Oct. 7.

Machine for stringing hangers and the like. W. J. Vail. 2,589,899, Mar. 18.

Machine for striping electric conductors. R. A. Donnan. 2,592,667, Apr. 15.

Machine for stripping sheet metal. J. B. Picton. 2,586,376, Feb. 19.

Machine for testing hydraulic tappets. M. V. Albaugh. 2,619,835, Dec. 2.

Machine for testing hydraulic tappets. D. H. Kelly. 2,619,834, Dec. 2.

Machine for the coating of webs of material. A. R. Trist. 2,593,074, Apr. 15.

Machine for the homogenization of plastic masses. A. Kruzik. 2,581,031, Jan. 1.

Machine for the manufacture and delivery of parallelepipedal paperboard boxes. G. Bardet. 2,600,954, June 17.

Machine for the manufacture of blades for turbojet engines. P. J. L. Rémy. 2,620,601, Dec. 9.

Machine for the manufacture of fiber footwear. S. W. Lippitt. 2,588,132, Mar. 4.

Machine for the manufacture of molded building units. W. A. Grueneberg. 2,598,254, May 27.

Machine for the manufacture of paper bags. S. C. F. Wills. 2,587,422, Feb. 26.

Machine for the manufacture of run-resistant knitted fabric. J. E. Lynam and L. Brown. 2,593,041, Apr. 15.

Machine for the manufacture of shoes. W. P. Field. 2,599,548, June 10.

Machine for the manufacture of spangles and similar articles. J. G. Polk. 2,587,214, Feb. 26.

Machine for transfer printing on circular objects. V. J. Tenety. 2,615,388, Oct. 28.

Machine for treating fibrous material. C. W. Morden. 2,596,586, May 13.

Machine for treating hides by application of pressure from diverse directions. A. R. Abbott. 2,622,428, Dec. 23.

Machine for treating insoles. H. Phillips. 2,616,106, Nov. 4.

Machine for treating of web material. W. W. Spooner. 2,584,754, Feb. 5.

Machine for treating wood surfaces. C. T. McElroy and J. G. Davidson. 2,617,223, Nov. 11.

Machine for trimming stampings and the like. R. A. West. 2,618,309, Nov. 18.

Machine for trimming the tuft yarns of tube frames. E. F. Hathaway and W. Bixby. 2,620,545, Dec. 9.

Machine for twisting fan spiders. P. M. Sampatacos. 2,611,414, Sept. 23.

Machine for use in cutting and filling cakes and the like. W. E. Egerton and S. Charlton. 2,595,344, May 6.

Machine for use in harvesting. E. L. Caraganis. 2,622,385, Dec. 23.

Machine for use in making insoles. N. E. Mariner and L. G. Knowles. 2,613,377, Oct. 14.

Machine for use in producing one-piece multifocal ophthalmic lens blanks. 2,597,022, May 20.

Machine for use in the manufacture of footwear. J. Weber and T. P. Charnley. 2,593,945, Apr. 22.

Machine for use in the manufacture of insoles. J. J. Maciejowski and F. T. MacKenzie. 2,611,912, Sept. 30.

Machine for use in the manufacture of shoes. H. A. Imhof. 2,589,392, Mar. 18.

Machine for use in the manufacture of shoes. B. Jorgensen. 2,597,004, May 20.

Machine for valving bag blanks. G. Bardet. 2,609,734, Sept. 9.

Machine for washing, dry cleaning, or garment dyeing. T. B. Walker. 2,584,070, Jan. 29.

Machine for washing watch parts. H. B. Bingham. 2,619,975, Dec. 2.

Machine for weaving loops into fabrics. P. J. St. Jean and W. Pruitt. 2,609,004, Sept. 2.

Machine for welding battery plates. C. R. Glasener, A. R. Willard, and C. R. Weller. 2,616,015, Oct. 28.

Machine for welding vacuum end-tubes onto vacuum flasks. A. Dejardin. 2,622,370, Dec. 23.

Machine for whipping candy batches. J. Higgins and N. Florella. 2,589,381, Mar. 18.

Machine for winding armatures. P. J. Burdulis. 2,606,723, Aug. 12.

Machine for winding armatures. E. W. Collins. 2,615,639, Oct. 28.

Machine for winding armatures. W. Swift. 2,620,130, Dec. 2.

Machine for winding pirns. F. C. Rawson. 2,603,424, July 15.

Machine for winding play balls. P. Rekettye. 2,607,540, Aug. 19.

Machine for wrapping and labeling newspapers, magazines, and the like. D. H. Pope. 2,620,609, Dec. 9.

Machine for wrapping cigarettes. B. Abramowski. 2,608,039, Aug. 26.

Machine for yieldably presenting work to buffing or polishing wheels or belts. H. G. Perkins. 2,604,740, July 29.

Machine frame. F. Ashworth. 2,623,488, Dec. 30.

Machine guard. F. Szypulinski. 2,604,823, July 29.

Machine having divergently related bag supporting conveyer for filling such bags with discrete objects. S. Messina. 2,620,958, Dec. 9.

Machine movable in all directions for driving piles and the like. A. P. Jourdain. 2,609,667, Sept. 9.

Machine of the screw-compressor type. H. R. Nilsson. 2,620,968, Dec. 9.

Machine parts polishing tool. W. E. Johnson. 2,618,915, Nov. 25.

Machine press. R. M. Cook. 2,609,745, Sept. 9.

Machine supporting foot. W. F. Helmond. 2,602,616, July 8.

Machine suspension. A. Lodge. 2,583,579, Jan. 29.

Machine to cut insulated brick or sand coated siding. J. P. Brown. 2,604,943, July 29.

Machine tool. E. M. Bowen and A. W. Johnson. 2,593,254, Apr. 15.

Machine tool. G. R. Carlson. 2,618,043, Nov. 18.

Machine tool. A. R. Chasar. 2,614,435, Oct. 21.

Machine tool. J. A. Cupler, II. 2,603,986, July 22.

Machine tool. M. S. Curtis. 2,616,159, Nov. 4.

Machine tool. J. Daugherty. 2,604,363, July 22.

Machine tool. J. Daugherty. 2,605,656, Aug. 5.

Machine tool. K. F. Gallimore and G. H. Schurger. 2,620,710, Dec. 9.

Machine tool. E. Gygax. 2,612,081, Sept. 30.

Machine tool. C. W. Hopkins. 2,590,102, Mar. 25.

Machine tool. E. E. Hosea. 2,619,879–80, Dec. 2.

Machine tool. M. W. Humphreys. 2,584,456, Feb. 5.

Machine tool. S. Ovshinsky. 2,619,709, Dec. 2.

Machine tool. W. B. Peirce. 2,587,519, Feb. 26.

Machine tool. L. F. Polk and W. F. Aller. 2,614,368, Oct. 21.

Machine tool. W. B. Retz. 2,618,044, Nov. 18.

Machine tool. E. Schultz, Jr. 2,611,173, Sept. 23.

Machine tool. R. H. Schuman. 2,602,214, July 8.

Machine tool. J. E. Shriver. 2,603,113, July 15.

Machine tool. F. R. and W. S. Swanson, and R. E. Wiley. 2,601,811, July 1.

Machine tool. F. M. Tomlinson. 2,616,158, Nov. 4.

Machine tool construction. R. C. Montanus, R. H. Mumma, and R. H. Davies. 2,621,552, Dec. 16.

Machine tool control. C. Johnson. 2,585,328, Feb. 12.

Machine tool control. C. Johnson. 2,593,310, Apr. 15.

Machine tool control. C. Johnson. 2,602,363, July 8.

Machine tool control. J. M. Walter. 2,599,679, June 10.

Machine tool control mechanism. J. B. Armitage, J. N. Flannery, and J. B. Lukey. 2,603,321, July 15.

Machine tool drive. G. E. Marx. 2,581,804, Jan. 8.

Machine tool feed finger. H. S. Sizer. 2,606,033, Aug. 5.

Machine tool for machining articles having holed annular flanges and the like. S. Ovshinsky. 2,619,710, Dec. 2.

Machine tool movement control. C. Johnson. 2,585,329, Feb. 12.

Machine tool press. S. S. Battles and H. Verson. 2,608,253, Aug. 26.

Machine tool slide bearing. J. M. Walter. 2,593,230, Apr. 15.

Machine tool spindle drive. H. N. Seyferth. 2,592,200, Apr. 8.

Machine tool structure and transmission mechanism. J. B. Armitage and O. W. Barker. 2,621,566, Dec. 16.

Machine tool transmission and control mechanism. T. F. Esserkaln. 2,618,202, Nov. 18.

Machine tool with motor-driven rotary and axially fed tools. J. E. Tompkins. 2,621,686, Dec. 16.

Machine used in the making of piped buttonholes. F. Pantusco and D. Fischbein. 2,620,759, Dec. 9.

Machine vise having jaws movable downwardly when pressed against workpiece. V. O. Stone. 2,584,062, Jan. 29.

Machine which fills groups of containers, a group at a time, with conveyer which stops during filling operation. J. L. Ferguson and R. C. Talbot. 2,584,338, Feb. 5.

Machine with rotary pocketed hopper for packing string beans. A. R. Thompson. 2,620,091, Dec. 2.

Machinery drive. D. Firth. 2,606,453, Aug. 12.

Machinery for fabricating bags in various sizes. V. G. Williams. 2,611,225, Sept. 23.

Macromolecular cellulose fiber, Manufacturing. S. Tachikawa. 2,592,355, Apr. 8.

Magazine counterbalancing mechanism. R. H. Scott and A. S. Hayward. 2,605,888, Aug. 5.

Magazine cover-removing machines. W. J. Havely. 2,584,346, Feb. 5.

Magazine fastening device for shotguns. L. F. Mulno. 2,597,746, May 20.

Magazine feed. L. K. Heinrich. 2,603,364, July 15.

Magazine for magnetic wire recorders. H. Nygaard. 2,598,716, June 3.

Magazine for safety razor blades. G. R. Mead. 2,589,722, Mar. 18.

Magazine for safety razor blades. G. R. Mead. 2,622,320–21, Dec. 23.

Magazine for stapling tools. R. A. Jacobus. 2,588,929, Mar. 11.

Magazine having spool rotation inhibiting means. F. H. Owens. 2,584,733, Feb. 5.

Magazine heater. E. L. Cox and J. W. Guice. 2,614,553, Oct. 21.

Magazine loader for air guns. A. Lawrence. 2,609,811, Sept. 9.

Magazine socket wrench. G. L. and I. A. Jorgensen. 2,605,666, Aug. 5.

Magazine stripping machine. C. A. Cobb. 2,589,673, Mar. 18.

Magazine stripping machine. C. A. Cobb. 2,618,334, Nov. 18.

Magazine structure for article dispensing apparatus. B. W. Fry. 2,594,147, Apr. 22.

Magazine structure for dispensing devices. L. Steiner. 2,585,872, Feb. 12.

Magazine tool handle. P. F. Riggio. 2,588,162, Mar. 4.

Magazine type solid fuel burning heater. B. B. Kahn and P. F. Metz. 2,595,146, Apr. 29.

Magazine wrapping machine. C. J. Russell. 2,590,351, Mar. 25.

Magnesia-alumina-silica refractories. F. E. Lathe, 2,599,184, June 3.

Magnesia cement products and their manufacture. P. S. Denning. 2,598,980–1, June 3.

Magnesia, Producing. C. N. Kimberlin, Jr. 2,593,314, Apr. 15.

Magnesium alloy and treatment. J. W. Meier. 2,609,309, Sept. 2.

Magnesium aluminate pebble. S. P. Robinson. 2,618,566, Nov. 18.

Magnesium arsenate phosphor activated by manganese, Producing. R. S. Wells. 2,615,848, Oct. 28.

Magnesium base alloys. E. F. Emley. 2,604,394, July 22.

Magnesium base alloys. A. C. Jessup. 2,604,396, July 22.

Magnesium carbonate, Manufacture of. G. H. Gloss. 2,583,331, Jan. 22.

Magnesium hydroxide, Preparing. J. C. Seailles. 2,587,001, Feb. 26.

Magnesium hydroxide, Producing. A. W. Vettel and R. D. Israel. 2,595,314, May 6.

Magnesium, Manufacture of. G. Bassereau. 2,583,351, Jan. 22.

Magnesium oxide-barium oxide silver catalyst support and process using the same. G. Calingaert. 2,593,099, Apr. 15.

Magnesium oxychloride cement grade magnesia. T. Woodward and F. Melhase. 2,605,190, July 29.

Magnesium, Production of. F. J. Hansgirg. 2,582,119, Jan. 8.

Magnesium, Production of. F. J. Hansgirg. 2,582,120, Jan. 8.

Magnesium salts of high molecular weight alkylated hydroxy aromatic compounds and their use in lubricating oils, Manufacture of. J. W. Hutcheson. 2,610,982, Sept. 16.

Magnesium treated ferritic stainless steels. N. A. Ziegler, J. R. Goldsmith, and A. F. Lahr. 2,616,798, Nov. 4.

Magnet operated switch. H. Cooley. 2,595,769, May 6.

Magnet pole structure. P. G. A. H. Voigt. 2,615,996, Oct. 28.

Magnet with adjustable sleeve pickup device, Individual. H. De Armond. 2,612,541, Sept. 30.

Magnetic air valve. E. H. Bickley. 2,615,470, Oct. 28.

Magnetic alloy. D. L. Martin. 2,596,705, May 13.

Magnetic amplifier relay circuits. W. F. Horton. 2,594,022, Apr. 22.

Magnetic and manually operated electric switch. L. J. Bordelon. 2,591,336, Apr. 1.

Magnetic article grip for toy hoists. H. C. Hubbard. 2,623,774, Dec. 30.

Magnetic band brake. J. B. Winther. 2,605,862, Aug. 5.

Magnetic blowout system for high-voltage contactors. F. Y. Grepe. 2,622,173, Dec. 16.

Magnetic carriage. A. I. Zumwalt. 2,596,322, May 13.

Magnetic case for elongated articles of magnetic material. R. J. Swanson. 2,600,589, June 17.

Magnetic change-over valve. W. R. Eddy. 2,609,669, Sept. 9.

Magnetic circuit control for burglar alarms. B. Schenendorf. 2,600,581, June 17.

Magnetic circuit for rotary electric low-power apparatus. P. H. J. Brouwer. 2,617,054, Nov. 4.

Magnetic clamp. B. Funk. 2,607,307, Aug. 19.

Magnetic clutch. H. I. Becker. 2,605,876, Aug. 5.

Magnetic clutch. J. A. Clark and F. H. Ferguson. 2,596,654, May 13.

Magnetic clutch. V. A. Hoover. 2,618,368, Nov. 18.

Magnetic clutch. M. P. Winther. 2,605,877, Aug. 5.

Magnetic contouring system. W. M. Powell. 2,594,989, Apr. 29.

Magnetic control mechanism. B. L. Binford. 2,612,572, Sept. 30.

Magnetic controlled gas rectifier tube. J. H. Coleman. 2,585,439, Feb. 12.

Magnetic core. F. Brockman. 2,600,473, June 17.

Magnetic core. R. C. Sefton and J. J. Zimsky. 2,614,158, Oct. 14.

Magnetic core. G. G. Somerville. 2,595,820, May 6.

Magnetic core construction. F. R. D'Entremont. 2,603,691, July 15.

Magnetic core member. B. B. Ellis. 2,584,564, Feb. 5.

Magnetic cores, Making. G. G. Somerville. 2,588,173, Mar. 4.

Magnetic coupler. J. N. Beebe. 2,623,932, Dec. 30.

Magnetic cross valve having self-starting characteristics. H. J. McCreary. 2,611,120, Sept. 16.

Magnetic data storage system. T. K. Sharpless and E. S. Eichert, Jr. 2,611,813, Sept. 23.

Magnetic deflection circuits. J. E. Cope and L. W. Germany. 2,602,147, July 1.

Magnetic door latch. W. Alderman. 2,586,900, Feb. 26.

Magnetic drag tachometer. J. H. Andresen, Jr. 2,593,646, Apr. 22.

Magnetic dynamometer. H. M. Stephenson. 2,604,198, July 22.

Magnetic exploration, Method and apparatus for. H. Jensen. 2,611,802, Sept. 23.

Magnetic explorations, Method and apparatus for. H. Jensen. 2,598,698, June 3.

Magnetic extractor. A. Zachary. 2,599,966, June 10.

Magnetic eye, Universally movable. D. E. Macdonald. 2,618,890, Nov. 25.

Magnetic fishing tool. J. A. Paysinger. 2,582,602, Jan. 15.

Magnetic fluid brake. G. C. Spillman. 2,607,542, Aug. 19.

Magnetic fluid mixture brake. K. M. Feiertag. 2,617,507, Nov. 11.

Magnetic fluid mixture clutch. M. P. and A. Winther. 2,601,076, June 17.

Magnetic frequency divider. H. J. McCreary. 2,602,153, July 1.

Magnetic gasket section. H. P. Harle. 2,619,693, Dec. 2.

Magnetic gauge. L. E. Roux. 2,620,661, Dec. 9.

Magnetic grapple can loading machine. L. J. Bullet. 2,609,133, Sept. 2.

Magnetic hardness testing and sorting. W. H. Melklejohn. 2,585,668, Feb. 12.

Magnetic holding and guide means for spring assembly machines. B. F. Dockery. 2,603,246, July 15.

Magnetic impulse motor. H. A. Adams. 2,623,187, Dec. 23.

Magnetic instrument high-speed reel drive. H. W. Bauman and M. Sackter. 2,589,660, Mar. 18.

Magnetic key case. E. P. Diefenbach. 2,589,349, Mar. 18.

Magnetic lifting device for fork trucks. O. W. Ehlers. 2,622,750, Dec. 23.

Magnetic lid holding means for can openers. G. A. Lehmann and W. E. Gundelfinger. 2,617,185, Nov. 11.

Magnetic means for producing compensations and other effects in a cathode-ray tube. N. G. Kabuss. 2,591,159, Apr. 1.

Magnetic necktie holder. R. E. Cummings. 2,592,395, Apr. 8.

Magnetic oil seal construction. W. F. Bernstein. 2,589,766, Mar. 18.

Magnetic ore separator. L. Dreyfus. 2,589,065, Mar. 11.

Magnetic oscillatory device. F. R. Kiler. 2,583,741, Jan. 29.

Magnetic peeler for proton synchrotron. M. S. Livingston. 2,599,188, June 3.

Magnetic pickup head and mount therefor. M. Camras. 2,585,913, Feb. 19.

Magnetic pole. M. P. Winther. 2,603,677, July 15.

Magnetic power device. W. L. Morrison, Jr. 2,595,872, May 6.

Magnetic power unit and rotor therefor. W. L. Morrison, Jr. 2,619,606, Nov. 25.

Magnetic power unit lock. W. L. Morrison, Jr. 2,619,331, Nov. 25.

Magnetic power unit reversing drive. W. L. Morrison, Jr., and J. D. Cole. 2,600,795, June 17.

Magnetic process control. G. C. Devol. 2,590,091, Mar. 25.

Magnetic pulley. R. C. Hoff. 2,596,554, May 13.

Magnetic pulley. W. C. Potthoff. 2,587,891, Mar. 4.

Magnetic record body driving mechanism. E. Barany and M. Sackter. 2,585,724, Feb. 12.

Magnetic record detector. E. Peterson. 2,608,621, Aug. 26.

Magnetic record editing device. O. B. Gunby. 2,611,828, Sept. 23.

Magnetic record volume control. J. T. Wissmann. 2,610,257, Sept. 9.

Magnetic recording and reproducing. A. L. W. Williams. 2,604,321, July 22.

Magnetic recording and reproduction. A. C. and D. L. Blaney. 2,615,990, Oct. 28.
Magnetic recording heads, Making. M. Camras. 2,612,681, Oct. 7.
Magnetic recording medium. H. T. Faus. 2,594,893, Apr. 29.
Magnetic recording system for call data in automatic telephony. J. B. Retallack. 2,594,495, Apr. 29.
Magnetic reproducing device with means to prevent accidental erase of record medium. S. J. Begun. 2,594,848, Apr. 29.
Magnetic separation. R. L. Manegold and I. H. Wynne. 2,597,652, May 20.
Magnetic separator. K. A. Blind. 2,597,561, May 20.
Magnetic separator. R. F. Merwin. 2,612,268, Sept. 30.
Magnetic separator. W. H. Newton. 2,607,478, Aug. 19.
Magnetic separator. R. Planiol. 2,582,274, Jan. 15.
Magnetic shield for cathode-ray apparatus. A. W. Friend. 2,605,433, July 29.
Magnetic slate. E. N. Burnett. 2,589,601, Mar. 18.
Magnetic sound record. T. H. and T. G. Mann. 2,581,765, Jan. 8.
Magnetic spinning bucket closure and cake extracting system. G. M. Allen. 2,602,284, July 8.
Magnetic steering control. F. W. Smith. 2,598,142, May 27.
Magnetic suspension. H. T. Wrobel and H. A. Bakke. 2,585,714, Feb. 12.
Magnetic suspension for horizontal shafts. L. I. Mendelsohn. 2,582,788, Jan. 15.
Magnetic system. H. Spodig. 2,613,246, Oct. 7.
Magnetic tape controlled punch. R. J. Roth. 2,609,050, Sept. 2.
Magnetic tape sound recording and reproducing apparatus. P. B. Scott. 2,615,641, Oct. 28.
Magnetic testing apparatus. T. E. Lynch. 2,594,947, Apr. 29.
Magnetic testing system. W. J. Means. 2,615,961, Oct. 28.
Magnetic tool. M. M. Sanchez. 2,605,658, Aug. 5.
Magnetic torque apparatus. A. Winther. 2,583,523, Jan. 22.
Magnetic torque device. G. L. Bennett. 2,591,395, Apr. 1.
Magnetic torque device. R. J. Parker. 2,591,463, Apr. 1.
Magnetic torque transmission. R. Helmer. 2,603,678, July 15.
Magnetic transducer. V. M. Grantham. 2,621,259, Dec. 9.
Magnetic transducer head. F. G. Buhrendorf. 2,592,652, Apr. 15.
Magnetic transducer head and coupling transformer, Combined. D. E. Wiegand. 2,585,065, Feb. 12.
Magnetic transducer head and mount therefor. E. Berlant. 2,587,097, Feb. 26.
Magnetic trapping device. D. E. Stem. 2,619,674, Dec. 2.
Magnetic trigger system. P. J. Walsh. 2,603,771, July 15.
Magnetic type one-way clutch. H. K. Herrick. 2,583,843 Jan. 29.
Magnetic unit with magnetically positioned pole piece for loud-speakers. R. D. Charlesworth. 2,604,551, July 22.
Magnetic unloader and pressure switch. H. E. Cobb and N. H. Koertge. 2,600,618, June 17.
Magnetic variometer. A. J. Arvela. 2,596,638, May 13.
Magnetic weatherstrip assembly for thresholds. E. J. Gregory. 2,611,158, Sept. 23.
Magnetic wire footage meter. B. R. Shepard and T. T. Short. 2,581,209, Jan. 1.
Magnetic work holder. W. L. Bower. 2,609,430, Sept. 2.
Magnetically actuated milk metering device. W. H. Harstick and H. W. Hein. 2,611,269, Sept. 23.
Magnetically controlled rectifier-tube. J. L. Boyer. 2,616,064, Oct. 28.
Magnetically fired ignition device. J. V. McNulty. 2,580,689, Jan. 1.
Magnetically focused electron gun. M. E. Hines. 2,608,668, Aug. 26.
Magnetically influenced arc device. W. D. Buckingham. 2,608,675, Aug. 26.
Magnetically operated device. G. H. Leland. 2,617,949, Nov. 11.
Magnetically operated game apparatus. E. Abrahamson. 2,619,349, Nov. 25.
Magnetically operated thread finger drive. A. J. Cobert. 2,586,205, Feb. 19.
Magnetized valve keeper tool. G. J. Gilbert. 2,612,799, Oct. 7.
Magnetizing partly demagnetized permanent field magnets in alternating current generators. M. F. Reijnst and R. H. de Beer. 2,609,411, Sept. 2.
Magnetizing partly demagnetized permanent magnets in alternating current generators. M. F. Reijnst. 2,607,813, Aug. 19.
Magneto and ignition for internal-combustion engines. E. C. Kiekhaefer. 2,603,201, July 15.
Magneto housing. E. C. Kiekhaefer. 2,603,202, July 15.
Magneto-hydraulic motor for translating electrical energy into sound energy. V. T. Paré. 2,616,984, Nov. 4.
Magneto ignition system for internal-combustion engines. E. G. Mackay. 2,612,886, Oct. 7.
Magneto tester. H. E. Latourelle. 2,611,265, Sept. 23.
Magnetoelectric machine. P. Harsch and F. Rinkel. 2,582,866, Jan. 15.
Magnetoelectric shocking device. J. Trotta. 2,612,624, Sept. 30.
Magnetometer. E. Frowe. 2,584,571, Feb. 5.
Magnetometer. L. J. Giacoletto. 2,603,687, July 15.
Magnetometer. T. Koulomzine 2,590,184, Mar. 25.
Magnetometer gradiometer apparatus and method. F. M. Mayes and A. J. Tickner. 2,620,381, Dec. 2.
Magnetometer head. W. H. Brattain, N. E. Klein, and M. S. Richardson. 2,605,344, July 29.
Magnetometer, Ultrahigh-frequency. T. Kahan. 2,597,149, May 20.
Magnetostriction device. L. L. Burns, Jr. 2,619,604, Nov. 25.
Magnetostrictive four-pole. H. Bloch. 2,607,814, Aug. 19.
Magnetron. T. W. C. Fisher. 2,617,967, Nov. 11.
Magnetron. H. Gutton. 2,604,610, July 22.
Magnetron. C. W. Hansell. 2,591,932, Apr. 8.
Magnetron. J. F. Hull. 2,609,522, Sept. 2.
Magnetron. G. R. Kilgore. 2,617,966, Nov. 11.
Magnetron. J. Kurshan and L. P. Smith. 2,585,794, Feb. 12.
Magnetron. E. G. Linder. 2,615,144, Oct. 21.
Magnetron. E. C. S. Megaw. 2,599,270, June 3.
Magnetron. R. B. Nelson. 2,607,898, Aug. 19.
Magnetron. H. J. Reich. 2,605,445, July 29.
Magnetron. R. L. Sproull. 2,592,206, Apr. 8.
Magnetron. W. E. Willshaw. 2,616,063, Oct. 28.
Magnetron anode. R. B. Nelson. 2,583,793, Jan. 29.
Magnetron beacon. H. L. Jackson. 2,590,540, Mar. 25.
Magnetron electron discharge device. W. C. Brown. 2,615,143, Oct. 21.
Magnetron generator. C. L. Cuccia. 2,599,237, June 3.
Magnetron having modulating means. A. M. Clogston. 2,585,741, Feb. 12.
Magnetron tube. H. Gutton and J. Legros. 2,617,968, Nov. 11.
Magnetron tube for the transmission of ultrashort waves. H. Gutton. 2,610,309, Sept. 9.
Magnetron, Tunable. M. C. Pease and F. A. Record. 2,606,307, Aug. 5.
Magnifier and bookstand. L. M. Walrath. 2,604,009, July 22.
Magnifying attachment for syringes. M. E. Tschiscbeck. 2,586,581, Feb. 19.
Magnifying reflection viewer for stereoscopic pictures. J. C. Copeland. 2,581,000, Jan. 1.
Mailbox. F. G. Brown. 2,604,260, July 22.
Mailbox and protective partition therefor. S. Barlick. 2,623,689, Dec. 30.
Mailbox flag, Auxiliary. E. C. Esten. 2,592,671, Apr. 15.
Mailbox name plate support attachment. H. G. Brower. 2,615,267, Oct. 28.
Mailbox stand. J. J. Kroll 2,611,570, Sept. 23.
Mailbox support. G. Buck. 2,605,073, July 29.
Mailbox support. A. C. Jung. 2,587,856, Mar. 4.
Mailbox, Two compartment. C. J. Amo. 2,583,623, Jan 29.
Mail carrier. W. Helberg. 2,592,898, Apr. 15.
Mail delivery vehicle and equipment. S. T. Gresham. 2,620,220, Dec. 2.
Mailing card. J. M. Guttman. 2,616,612, Nov. 4.
Mailing device, Two-way. M. Covan. 2,623,686, Dec. 30.
Mailing envelope, Composite. H. S. Scott. 2,589,632, Mar. 18.
Mailing piece. J. E. True and J. B. Ruffalo. 2,603,410, July 15.
Main bearing for multicrank engines. R. N. Kircher and W. B. Burkett. 2,614,897, Oct. 21.
Main drive unit for tandem rotor helicopters. C. C. Miller, Jr. 2,612,062, Sept. 30.
Maintaining B. t. u. content of residue gas from absorber. R. K. Simms. 2,600,133, June 10.
Maintaining kerosene or other liquid in a reservoir at an approximately constant head. A. H. Allsopp. 2,619,980, Dec. 2.
Maintaining liquid level in heat-exchange apparatus. C. M. Ashley. 2,581,466, Jan. 8.
Maintaining tension in seat covers. M. Smith. 2,601,890, July 1.
Maintaining the desired joint thickness during a soldering operation. E. Martin and A. P. Edson. 2,606,362, Aug. 12.
Maintaining the viscosity of ink through circulation, Process and apparatus for. J. D. Gray. 2,597,472, May 20.
Maintaining uniform temperature in frozen masses, Method and apparatus for. W. L. Morrison. 2,621,486, Dec. 16.
Maintenance of serviceability of dry shavers. W. A. Yneger. 2,584,077, Jan. 29.
Making a cold-mixing food starch powder. A. A. Halden. 2,613,150, Oct. 7.
Making a cylindrical liquid applicator. J. A. Pharris, H. J. Fohl and V. T. Touchett. 2,621,507, Dec. 16.
Making a decorative or distinctive marking on chocolate, caramel, icing, and like confectionery substances. J. P. McNamara. 2,586,684, Feb. 19.
Making a fibrous preform, Method and apparatus for. G. W. Borkland. 2,587,814, Mar. 4.
Making a hollow mold of compacted mold forming material. L. L. Johnston. 2,598,554, May 27.
Making acoustical tile. G. S. Willey and O. W. Frost. 2,581,993, Jan. 8.
Making adhesive tapes and adhesive units. F. J. Meyer. 2,608,503, Aug. 26.
Making and assembling sand molds. C. N. Hutchison. 2,612,668, Oct. 7.

Making and curing power transmission belts, Method and apparatus for. J. A. Hurry and E. Nassimbene. 2,600,775, June 17.
Making an elastic welt for full fashioned stockings. P. R. Nestler. 2,619,818, Dec. 2.
Making an electrical cable. J. J. Morrison. 2,621,703, Dec. 16.
Making an ingot. G. A. Dornin. 2,585,096, Feb. 12.
Making an integrally reinforced airplane construction. H. F. Dumbleton. 2,615,234, Oct. 28.
Making a physiologically-active vitamin preparation. J. Braback. 2,583,464, Jan. 22.
Making a thickened reinforced portion in a relatively thin metal plate. D. M. King. 2,601,029, June 17.
Making a tortilla flour. W. R. Lloyd and R. M. Sotres. 2,584,893, Feb. 5.
Making brushes, Method of and apparatus for. R. O. Peterson. 2,611,652, Sept. 23.
Making candles, Method and apparatus for. P. M. Poulsen. 2,612,657, Oct. 7.
Making carry bags. L. E. Canno. 2,586,514, Feb. 19.
Making circular fluorescent lamps, Method of and machine for. H. C. Snow, E. F. Kelley, and S. S. Sayward. 2,611,216, Sept. 23.
Making coated paper moisture resistant. R. J. Grimm. 2,617,743, Nov. 11.
Making compact metal strip and electrode produced therefrom. J. B. Brennan. 2,582,744, Jan. 15.
Making concrete structures, Process and device for. F. Antonello. 2,586,413, Feb. 19.
Making covered wood products, Method of and apparatus for. A. R. Welch. 2,601,349, June 24.
Making electron-micrographs of opaque metallographic specimens, Method of and apparatus for. E. G. Ramberg. 2,614,223, Oct. 14.
Making embossed rug cushions. J. C. Gordon. 2,585,109, Feb. 12.
Making faced colored bricks and building walls therefrom. G. W. Denison. 2,623,382, Dec. 30.
Making flexible footwear. J. A. Rubico. 2,584,084, Jan. 29.
Making flexible tubular coverings, Method and apparatus for. E. A. Farrell. 2,609,312, Sept. 2.
Making freely flowable composition of two rubbers. A. J. Leydon. 2,593,681, Apr. 22.
Making gas-expanded organic plastics. L. C. Kulp, E. C. Van Buskirk, and B. A. Hunter. 2,621,161, Dec. 9.
Making glass. W. J. Smith. 2,587,914, Mar. 4.
Making glass fiber textile slivers, Method and apparatus for. I. G. Brenner. 2,607,167, Aug. 19.
Making hamburgers. A. H. Belt. 2,584,536, Feb. 5.
Making hollow articles, Method and apparatus for. J. H. Friedman. 2,621,344, Dec. 16.
Making hollow bodies from fusible plastic materials. C. V. Carlson. 2,597,704, May 20.
Making homogeneous dispersions of polymers in drying oils. W. A. Henson and F. G. Edwards. 2,606,164, Aug. 5.
Making honeycomb material, Method of and apparatus for. R. C. Steele. 2,610,934, Sept. 16.
Making ice, Method and apparatus for. W. B. Kirkpatrick. 2,606,427, Aug. 12.
Making insoles. P. Dronkas. 2,587,446, Feb. 26.
Making knitted fabrics, Method and apparatus for. H. D. Adams. 2,590,914, Apr. 1.
Making laminated articles, Method and apparatus for. R. W. Kerr and W. C. Koenig. 2,618,310, Nov. 18.
Making lenses, Process and apparatus for. R. R. G. Touvay. 2,587,926, Mar. 4.
Making lined pipe, Method of and apparatus for. H. Kimble. 2,608,501, Aug. 26.
Making lustrous steel music wire. W. E. Leonard. 2,580,801, Jan. 1.
Making magnetic material. M. H. Heeren and M. Camras. 2,582,590, Jan. 15.
Making margarine and the resulting product. A. D. Wilson, H. B. Oakley, and J. Rourke. 2,592,224, Apr. 8.
Making midsole-outsole assemblies for shoes. G. C. Ford. 2,581,524, Jan. 8.
Making partially carboxymethylated or phosphorylated cellulosic fibrous materials crease resistant and dye resistant. G. C. Daul and J. D. Reid. 2,584,114, Feb. 5.
Making pig iron. J. J. Howard. 2,602,735, July 8.
Making pinking shears, Method of and apparatus for. B. G. Carlson and J. Borcz. 2,580,050, Mar. 11.
Making plastic tubing, Method of and apparatus for. G. A. Lyon. 2,612,656, Oct. 7.
Making ready cylindrical printing plate. G. W. Bungay. 2,587,439, Feb. 26.
Making resins from olefin polymers and organic acid anhydride. E. V. Fasce. 2,589,069, Mar. 11.
Making rigid foam composition. P. Macaluso. 2,584,082, Jan. 29.
Making rubber gloves and like articles. C. J. Crowley. 2,583,728, Jan. 29.
Making short pins. A. F. Zitzewitz. 2,582,063, Jan. 8.
Making slip lasted shoes. J. C. Lisbon and H. S. Lyness. 2,584,276, Feb. 5.
Making strong, hard silica-lime brick. C. Mendius. 2,584,604, Feb. 5.
Making structural elements, Method and apparatus for. N. A. Lombard and T. L. Taggart. 2,581,421, Jan. 8.
Making tire ply bands, Method and apparatus for. F. B. Cleland, W. Baranecky, C. R. Kolk, and P. E. Wetzel. 2,588,207, Mar. 4.
Making two-sided fabric using sulfur acid esters of leuco vat dyes and actinic rays. G. F. Womble. 2,580,873, Jan. 1.
Making ventilated fruit cushions, Apparatus and method of. B. M. Hoblick. 2,610,134, Sept. 9.
Making washer face nuts or the like. R. L. Wilcox. 2,583,677, Jan. 29.
Maleate-methacrylate copolymers. H. T. Neher, L. N. Bauer and W. L. Van Horne. 2,600,422, June 17.
Maleate-vinyl laurate copolymers. L. N. Bauer, H. T. Neher and W. L. Van Horne. 2,600,386, June 17.
Maleic acrylic copolymers. W. L. Van Horne, L. N. Bauer, and H. T. Neher. 2,600,449, June 17.
Malleable iron castings, Producing. L. C. Crome. 2,595,567, May 6.
Malleableizing machine. W. M. Kordsiemon. 2,610,135, Sept. 9.
Malt beverages and stabilizing the same. P. P. Gray. 2,620,275, Dec. 2.
Mandrel. R. P. Piperoux and J. N. Birmingham. 2,583,117, Jan. 22.
Mandrel position adjustment means for pilgrim rolling mills. G. H. Larsson. 2,593,772, Apr. 22.
Maneuvering device for cranes and the like mechanisms. G. P. B. Atlung. 2,603,303, July 15.
Maneuvering machine. T. P. Davenport. Re. 23,592, Dec. 9.
Manganese activated zinc barium silicate phosphor. S. Larach. 2,601,032, June 17.
Manganese activated zinc lithium silicate phosphor. A. H. McKeag. 2,615,850, Oct. 28.
Manganese dioxide from manganous sulfate solutions, Manufacture of. J. Kamlet. 2,614,030, Oct. 14.
Manhole cover remover. H. K. Price and E. Montgomery. 2,599,938, June 10.
Manhole cover securing means. R. Hitschmann. 2,586,465, Feb. 19.
Manhole extension. H. Redman. 2,593,918, Apr. 22.
Manhole lid locking means. H. A. Neal. 2,613,975, Oct. 14.
Manicure apparatus. H. E. Langley. 2,616,436, Nov. 4.
Manicuring aid. L. G. Lewis. 2,607,356, Aug. 19.
Manicuring device. L. G. Terry. 2,581,982, Jan. 8.
Manicuring device, Power-driven. M. Kessler. 2,597,525, May 20.
Manicuring implement. A. Rinehart. 2,595,704, May 6.
Manifold for molten material spray guns. M. A. Sandora and C. E. Freeman. 2,594,222, Apr. 22.
Manifold forms, Method and apparatus for making. J. B. Fulk. 2,602,665, July 8.
Manifold set. A. G. Shennan. 2,614,865, Oct. 21.
Manifolding. C. W. Brenn. 2,605,120, July 29.
Manifolding. D. A. Newman. 2,589,202, Mar. 11.
Manifolding. D. A. Newman. 2,606,775, Aug. 12.
Manifolding and copying apparatus. T. A. Solway. 2,589,884, Mar. 18.
Manifolding attachment for typewriters, Speed feed. H. F Sadgebury and R. N. Ward. 2,590 652, Mar. 25.
Manikin, Display. C. Costa. 2,603,392, July 15.
Manikin or display figure. F. J. Schippert. 2,601,740, July 1.
Manipulator for starter plugs. E. M. Caferro. 2,584,545, Feb. 5.
Manometer. J. R. Morgan, N. E. Alexander, and E. A. Comley. 2,608,865, Sept. 2.
Manometer, Acoustic. A. Coyne, J. Bellier, and J. Marion. 2,604,787, July 29.
Manometer, Dual. J. V. Hodshire. 2,594,649, Apr. 29.
Mantle mounting for incandescent mantle lamps. W. B. Engh. 2,603,959, July 22.
Manual control and reel for tethered powered model airplanes. J. J. and C. B. Russell. 2,602,604, July 8.
Manual control for automatic fuel valves. W. E. Traynor. 2,623,545, Dec. 30.
Manual door operation of vertically movable doors. R. H. Sommers and A. W. Frank. 2,600,441, June 17.
Manual drive for hydraulic servomotors. S. A. Jacques. 2,615,429, Oct. 28.
Manual sharpening implement. B. K. Murchison. 2,598,589, May 27.
Manual transfer between automatic and manual regulating controllers. J. G. Booth. 2,588,799, Mar. 11.
Manually adjustable choke valve. C. S. Weyandt and N. C. McKelvy. 2,609,173, Sept. 2.
Manually adjustable pressure regulator. C. D. P. Smallpeice. 2,614,538, Oct. 21.
Manually adjustable reverse motion control. R. E. Goodenough. 2,605,644, Aug. 5.
Manually and automatically operated valve. W. B. Kochner. 2,600,660, June 17.
Manually controlled photographic exposing, developing, and fixing device. T. R. Laing. 2,585,945, Feb. 19.
Manually formable skid chain strap applying tool. C. M. Holm. 2,603,993, July 22.
Manually operable control assembly. L. Schweitzer. 2,587,390, Feb. 26.
Manually operable machine tool. A. E. Gaudreau. 2,594,415, Apr. 29.

Manually operated backwater sewer valve. T. Slapnicher. 2,613,055, Oct. 7.
Manually operated means for propelling boats. C. H. Swenson. 2,599,791, June 10.
Manually operated switch with magnetically latched position. R. H. Goodrich. 2,608,624, Aug. 26.
Manually propelled vehicle. J. M. and C. A. Wyche. 2,600,950, June 17.
Manually supported blower for cleaning floors and the like. G. W. Breuer and C. W. Lanter. 2,598,499, May 27.
Manufacture and recovery of diaroyl-diamino-disulfostilbenes. R. A. Bernard. 2,616,926, Nov. 4.
Manufacture of carbureted water gas, Method of and apparatus for. J. S. Haug. 2,595,252, May 6.
Manufacture of fine fibers, Method and apparatus for the. E. R. Powell. 2,585,496, Feb. 12.
Manufacture of HCN. C. W. Perry. 2,596,507, May 13.
Manufacture of improved drying oils by the condensation of unsaturated mineral oil polymers with aldehydes. R. C. Goodwin. 2,588,826, Mar. 11.
Manufacture of leakproof inner tubes. W. J. Mileski. 2,581,767, Jan. 8.
Manufacture of mineral wool, Method and apparatus for the. E. R. Powell. 2,594,799, Apr. 29.
Manufacture of mops. P. M. Rogers. 2,621,977, Dec. 16.
Manufacture of oil and food products from herring, whales and other sea animals. M. Fladmark. 2,590,303, Mar. 25.
Manufacture of the carbonyls of nickel. A. Maeder. 2,590,078, Mar. 25.
Manufacturing a filament unit. H. Bender and W. B. Voorhis. 2,609,590, Sept. 9.
Manufacturing a magnetic recording medium by electrodeposition. P. P. Zapponi. 2,619,454, Nov. 25.
Manufacturing a maximum registering thermometer. R. D. Thompson and L. C. Liberatore. 2,612,002, Sept. 30.
Manufacturing a set of matched rotor blades. A. M. Young. 2,589,316, Mar. 18.
Manufacturing ampoules, Method and machine for. F. H. Hughes and G. J. Murray. 2,595,077, Apr. 29.
Manufacturing and assembling hydraulic pumps. H. B. Schultz. 2,620,553, Dec. 9.
Manufacturing and repairing roofs of railway wagons and similar vehicles. J. C. Marimón. 2,614,509, Oct. 21.
Manufacturing artificial dentures and semimanufactured dentures to be utilized by same process. N. D. Quintella. 2,596,941, May 13.
Manufacturing bromoxylenes. H. F. Johnson, Jr., and H. W. Scheeline. 2,608,590, Aug. 26.
Manufacturing chloral. J. Rosin. 2,616,929, Nov. 4.
Manufacturing coiled edible pastes, Method of and apparatus for. F. S. Lombardi. 2,621,615, Dec. 16.
Manufacturing composite board. W. E. Wilson. 2,622,276, Dec. 23.
Manufacturing confections, Method and apparatus for. L. E. Bruoit. 2,607,303, Aug. 19.
Manufacturing fibrous mats, Method and apparatus for. H. O. Sheldley. 2,619,151, Nov. 25.
Manufacturing foodstuffs from cereals. F. A. Möller. 2,621,126, Dec. 9.
Manufacturing forming rolls. W. P. Hill. 2,610,452, Sept. 16.
Manufacturing glassware, Method and apparatus for. F. Z. Fouse. 2,598,524, May 27.
Manufacturing hat bodies, Method and machine for. M. T. Hoffman. 2,594,558, Apr. 29.
Manufacturing highly resilient corrugated tubes. A. Dreyer. 2,581,787, Jan. 8.
Manufacturing hose of synthetic thermoplastic materials. R. Colombo. 2,597,975, May 27.
Manufacturing hydroxy acid greases and product thereof. L. W. Sproule, W. C. Pattenden and L. F. King. 2,607,734, Aug. 19.
Manufacturing margarine, Method and apparatus for. J. Rourke and W. T. Dow. 2,611,707, Sept. 23.
Manufacturing method of solid L-mono-sodium glutamate monohydrate. T. Ogawa. 2,584,731, Feb. 5.
Manufacturing number plates. F. B. Rinck and E. K. Williams. 2,622,990, Dec. 23.
Manufacturing of phosphate containing coating products for the protection of metals against corrosion. O. Thome-Johannesen. 2,597,406, May 20.
Manufacturing oil gas. E. L. Hall. 2,580,766, Jan. 1.
Manufacturing porous carbon electrodes. A. Marko and K. Kordesch. 2,615,932, Oct. 28.
Manufacturing prestressed concrete structural members. S. Macerata. 2,596,495, May 13.
Manufacturing process. C. J. Linxweiler, R. Y. Moss, and J. T. Welch. 2,586,673, Feb. 19.
Manufacturing rubber articles from sensitized latex. F. Chassaing. 2,583,683, Jan. 29.
Manufacturing sound record. G. F. Dutton. 2,622,155, Dec. 16.
Manufacturing sound recording disks. W. E. Lord. 2,584,892, Feb. 5.
Manufacturing spaced plate arc extinguishers. R. E. Frink and R. C. Dickinson. 2,610,937, Sept. 16.
Manufacturing surgeons' needles. J. J. Kohut. 2,620,028, Dec. 2.
Manufacturing tapered fishing leaders. W. S. Peterson, Sr. 2,612,003, Sept. 30.
Manufacturing turbine blades. N. L. Mochel and J. A. Pratt. 2,620,554, Dec. 9.
Map and navigation instrument, Ground following. F. E. Best. 2,608,094, Aug. 26.
Map and schedule display device, Collapsible. E. R. and A. L. Mundy. 2,591,279, Apr. 1.
Map capable of being folded together and spread flat again. G. E. A. Falk. 2,615,732, Oct. 28.
Map holder. V. P. Drury. 2,581,083, Jan. 1.
Map making apparatus. J. L. Dalke. 2,582,374, Jan. 15.
Mapping device. R. T. Cloud. 2,590,753, Mar. 25.
Marble game apparatus. M. A. Livingston. 2,610,853, Sept. 16.
Marble game, Rotatable wheel. C. M. Franks. 2,616,699, Nov. 4.
Marble shooter. G. R. and W. R. Teschel. 2,601,070, June 17.
Margarine, butter, and similar products, Producing. S. H. B. Zachariassen and A. G. Borck. 2,605,185, July 29.
Margarine package. B. T. Hensgen. 2,617,733, Nov. 11.
Margin guide for tele-autographic apparatus. T. I. Ress. 2,613,266, Oct. 7.
Margin regulating means for typing machines, Adjustable. J. P. Barkdoll. 2,599,537, June 10.
Margin-stretching wiper for folding machines. A. Oswald. 2,613,378, Oct. 14.
Marginal securing strip for carpets. J. M. and G. M. Paterson. 2,599,580, June 10.
Marine bushing. F. B. Romero. 2,582,563, Jan. 15.
Marine depth finder. W. M. Ross. 2,599,586, June 10.
Marine engine control. J. F. Morse. 2,588,650, Mar. 11.
Marine engine water cooler. T. Mairs. 2,612,858, Oct. 7.
Marine foundation, Portable. R. P. Knapp. 2,608,829, Sept. 2.
Marine gyro vertical. F. D. Braddon, L. F. Beach, L. J. Delanty, and V. Vacquier. 2,598,872, June 3.
Marine marker, Retrievable. S. W. Woodard. 2,594,702, Apr. 29.
Marine propeller. B. O. Godfrey. 2,608,257, Aug. 26.
Marine propelling and steering mechanism. W. O. Frohlich. 2,586,019, Feb. 19.
Marine seismic surveying. W. W. Doolittle. 2,614,165, Oct. 14.
Marine seismometer spread. N. Pottorf. 2,610,240, Sept. 9.
Marine seismometer spread. A. C. Reid. 2,607,842, Aug. 19.
Marine structure. R. Lacy. 2,597,110, May 20.
Marine structure. D. W. Ross. 2,621,485, Dec. 16.
Marker-controlled final selector circuit. E. J. H. De Raedt. 2,582,967, Jan. 22.
Marker-controlled selector system. F. P. Gohorel and G. J. M. Penet. 2,581,405, Jan. 8.
Marker gauge for tanks. M. B. Rath. 2,623,402, Dec. 30.
Marker signal generator. G. F. Devine. 2,610,228, Sept. 9.
Marking apparatus. M. A. Erickson. 2,588,374, Mar. 11.
Marking apparatus. M. Hirschey. 2,602,393, July 8.
Marking device. F. G. Dressel. 2,620,499, Dec. 9.
Marking device. I. S. Gottscho and K. H. Kuett. 2,592,558, Apr. 15.
Marking garments for identification. R. C. Baumbach. 2,610,419, Sept. 16.
Marking knitted fabrics. F. L. Hall. 2,597,726, May 20.
Marking machine for marking web material. E. B. Bates. 2,586,905, Feb. 26.
Marking member containing magnetized material. C. S. Allyn, Jr. 2,584,318, Feb. 5.
Marking out fabric. A. Rothenborg. 2,619,031, Nov. 25.
Marking surface. G. F. Ritter. 2,608,800, Sept. 2.
Marking tag machine counter device. P. H. Hamisch. 2,622,804, Dec. 23.
Marshmallow, Making. E. T. Oakes. 2,600,569, June 17.
Mask. H. P. Bradley. 2,619,085, Nov. 25.
Mask, Face. R. Mafko. 2,606,324, Aug. 12.
Mask, Finger. L. R. Knepper, J. R. Newton, and K. K. Knepper. 2,592,293, Apr. 8.
Mask, Treatment. C. Aerick. 2,591,992, Apr. 8.
Masks for photographic transparencies, Making. J. W. Gosling and C. S. Combs. 2,596,677, May 13.
Masonry cutter. R. C. Huber. 2,613,601, Oct. 14.
Masonry drill. M. J. Steffes. 2,598,459, May 27.
Masonry line block. L. N. Zinken. 2,611,963, Sept. 30.
Masonry wall-building machine. C. N. Dudley. 2,616,147, Nov. 4.
Mason's line block. C. E. Mann. 2,592,717, Apr. 15.
Mason's trig line holder. L. N. Zinken. 2,618,858, Nov. 25.
Mass analyzing apparatus. W. E. Glenn, Jr. 2,615,135, Oct. 21.
Mass diffusion process and apparatus. M. Benedict. 2,609,059, Sept. 2.
Mass polymerisation of styrene at 285° C. H. F. Park. 2,593,399, Apr. 22.
Mass spectrograph. A. E. Shaw and W. Rall. 2,622,204, Dec. 16.
Mass spectrometer. C. E. Berry. 2,583,541, Jan. 29.
Mass spectrometer. J. G. Neuland. 2,623,179, Dec. 23.
Mass spectrometer. W. E. Stephens. 2,612,607, Sept. 30.
Mass spectrometer. H. W. Washburn. 2,598,734, June 3.
Mass spectrometer. E. A. Weiss. 2,587,555, Feb. 26.
Mass spectrometer apparatus. A. O. C. Nier. 2,582,150, Jan. 8.

Mass spectrometer for simultaneous multiple gas determinations. A. R. Crawford. 2,601,097, June 17.
Mass spectrometer ion source. F. L. Reynolds. 2,583,121, Jan. 22.
Mass spectrometry. G. D. Perkins. 2,613,323, Oct. 7.
Mass spectrometry. G. D. Perkins and C. F. Robinson. 2,613,324, Oct. 7.
Mass spectrometry. H. W. Washburn. Re. 23,464, Feb. 26.
Mass spectrometry. H. W. Washburn. 2,587,575, Feb. 26.
Massage device, Stimulating. B. Fabio. 2,582,686, Jan. 15.
Massage table apparatus, Leg and ankle. B. H. Stauffer. 2,591,212, Apr. 1.
Massager, Foot. C. Hansen. 2,604,091, July 22.
Massager, Gum. M. Staunt. 2,600,136, June 10.
Massaging apparatus. A. Brucato. 2,599,367, June 3.
Massaging device. M. B. Ehrhardt. 2,621,652, Dec. 16.
Massaging equipment. D. M. Ackerman. 2,619,278, Nov. 25.
Massaging machine. E. M. Archer. 2,589,322, Mar. 18.
Mast. E. A. Black. 2,581,351, Jan. 8.
Master cylinder power system. E. A. Rockwell. 2,617,259, Nov. 11.
Master cylinder relief valve. A. B. Seppmann. 2,580,851, Jan. 1.
Master or central station controller. E. R. Kilgen. 2,595,083, Apr. 29.
Master shipping container. L. J. Rosenberg. 2,617,524, Nov. 11.
Master tooling dock. D. H. Jennings. 2,605,552, Aug. 5.
Mastic applying and corner finishing tool. R. G. Ames. 2,594,606, Apr. 29.
Mastic floor covering and making it. W. Castellano. 2,603,571, July 15.
Mat control for door opening mechanisms. J. P. Burke. 2,583,813, Jan. 29.
Mat for air coolers, Zoned evaporator. A. S. Feinberg. 2,587,130, Feb. 26.
Mat, Sink. J. R. Caldwell. 2,586,612, Feb. 19.
Mats of glass fibers interbonded with readily removable binder. C. A. Smucker. 2,607,714, Aug. 19.
Match book dispenser. W. L. Pedersen. 2,582,155, Jan. 8.
Matchbook mirror and safety guard. C. Hill. 2,620,920, Dec. 9.
Matchbox dispenser. M. Horn. 2,582,632, Jan. 15.
Match box with safety stop. B. J. Fal. 2,589,356, Mar. 18.
Match package. J. A. Pastula. 2,589,125, Mar. 11.
Match splints, Making. F. Schafer. 2,594,351, Apr. 29.
Match striking compounds. H. Ellern. 2,589,607, Mar. 18.
Material collecting apparatus. L. N. Bonacci and A. Z. Hahn. 2,593,251, Apr. 15.
Material conditioning apparatus. P. R. McEachran. 2,623,737, Dec. 30.
Material-controlled article transfer mechanism. W. H. Alden, Jr. 2,612,981, Oct. 7.
Material cutting device. H. R. Rosenberry. 2,614,320, Oct. 21.
Material discharge mechanism C. L. Norton, Jr. 2,590,202, Mar. 25.
Material disseminating apparatus for airplanes. M. Carberry. 2,582,678, Jan. 15.
Material dissolver and distributor. I. E. Aske. 2,588,691, Mar. 11.
Material distributing apparatus. A. H. Sanborn and A. A. Giesen. 2,616,766, Nov. 4.
Material ejecting and feeding apparatus. R. F. Brewer and C. W. Henderson. 2,587,284, Feb. 26.
Material elevator assembly with dust-tight swingable chute. F. J. Le Roy. 2,583,488, Jan. 22.
Material feed signal system. R. C. Kivley and C. A. Windsor. 2,586,960, Feb. 26.
Material feeder and hydrator. W. E. Anderson. 2,597,916, May 27.
Material folding machine. G. A. Anderson and C. I. Kane. 2,593,085, Apr. 15.
Material for protecting metals from tarnish. R. H. Prew. 2,621,104, Dec. 9.
Material forming apparatus. N. E. Earle. 2,622,653, Dec. 23.
Material guide for shearing machines. A. A. Williams. 2,603,291, July 15.
Material handling apparatus with drag saw. E. E. Hansen. 2,583,047, Jan. 22.
Material handling device. E. R. Backofen. 2,611,497, Sept. 23.
Material handling device. C. B. Richey. 2,597,374, May 20.
Material handling device and method. M. E. Stair. 2,603,522, July 15.
Material handling machine. A. Y. Crowley, Jr. and F. C. Newton, Jr. 2,582,106, Jan. 8.
Material handling machine. J. Greenlief. 2,598,685, June 3.
Material-handling means. A. W. Oehler. 2,608,283, Aug. 26.
Material-handling mechanism. A. W. Oehler. 2,612,980, Oct. 7.
Material handling system. W. A. Grueneberg. 2,605,004, July 29.
Material heating and handling means. C. A. Nichols, R. B. Bower, G. L. Weiser, J. R. Edwards, W. A. Fletcher, H. W. McCoy, and B. S. Sample. 2,613,450, Oct. 14.
Material inserting machine. H. E. Gantzer. 2,596,813, May 13.
Material loading apparatus. C. F. Osgood. 2,588,283, Mar. 4.
Material loading apparatus. R. C. Osgood. 2,581,437, Jan. 8.
Material-removing device for conveyers. H. W. Hapman. 2,615,559, Oct. 28.
Material-selecting reel. D. M. Yorburg. 2,612,324, Sept. 30.
Material separating apparatus. D. A. Weber. 2,582,302, Jan. 15.
Material separation, Method and apparatus for. R. R. Wilson. 2,606,291, Aug. 5.
Material spreader. E. W. Swenson. 2,620,094, Dec. 2.
Material storage and handling apparatus. F. P. Johnson. 2,587,854, Mar. 4.
Material storage and handling container. F. E. White. 2,596,881, May 13.
Material straightening tool. H. B. Fechter. 2,618,185, Nov. 18.
Material transfer for conveyers. J. M. Leach. 2,609,083, Sept. 2.
Material transporting and dumping equipment. H. W. Jones. 2,606,675, Aug. 12.
Material treating apparatus. L. J. Fuller. 2,615,199, Oct. 28.
Material uniting punch and die. I. A. Williams. 2,619,855, Dec. 2.
Material unrolling attachment for nap-raising machines. S. O. Sidore. 2,612,676, Oct. 7.
Material working machine, Convertible. H. Goldschmidt. 2,623,269, Dec. 30.
Materials for use in packing eggs. A. Goldrei. 2,600,637, June 17.
Materials handling apparatus. J. K. Bruce. 2,602,533, July 8.
Materials handling apparatus. N. L. Cahners and A. W. Moffat. 2,598,222, May 27.
Materials produced from a polyethylene melamine. E. L. Kropa and H. P. Wohnsiedler. 2,582,594, Jan. 15.
Mathematical machines. W. V. Roberts. 2,622,799, Dec. 23.
Matrix band retainer for anterior teeth and traction instruments therefor. B. F. Toffiemire. 2,588,059, Mar. 4.
Matrix clamp. H. A. Garmers. 2,622,325, Dec. 23.
Matrix for heat regenerators. W. Tipler. 2,622,850, Dec. 23.
Matrix for tire treads with lateral traction slits. A. Duerksen. 2,587,297, Feb. 26.
Matrix for tire treads with lateral traction slits. A. Duerksen. 2,593,547, Apr. 22.
Matrix seating mechanism for teletypesetter operated composing and line casting machines. F. S. Sloan. 2,622,726, Dec. 23.
Matrix stick positioning means. W. M. Berrick. 2,586,776, Feb. 26.
Mattress. P. C. Doane. 2,609,548, Sept. 9.
Mattress, Air. H. O. E. W. Damsch. 2,623,574, Dec. 30.
Mattress and bedpan construction, Hospital. J. M. Corakas. 2,615,175, Oct. 28.
Mattress and making same. W. H. Ramage. 2,615,179, Oct. 28.
Mattress and upholstery spring structure. J. Pilliero. 2,611,138, Sept. 23.
Mattress carrier sunner. J. V. Card. 2,587,108, Feb. 26.
Mattress coil spring unit. S. Bell. 2,611,910, Sept. 30.
Mattress construction. J. Pilliero. 2,610,334, Sept 16.
Mattress construction, Innerspring. J. Pilliero. 2,610,333, Sept. 16.
Mattress cover. J. Small and L. Brody. 2,585,861, Feb. 12.
Mattress, Electrically heated. O. D. Westerberg and W. H. Englehardt. 2,606,996, Aug. 12.
Mattress, Foldable. Z. Slayen. 2,589,579, Mar. 18.
Mattress handle. W. F. Caster. 2,584,842, Feb. 5.
Mattress handle assembly. M. Bechik. 2,595,326, May 6.
Mattress holder. H. E. Lang. 2,588,854, Mar. 11.
Mattress, Inflatable. S. F. Reed. 2,604,641, July 29.
Mattress, Insulated air. H. W. Brelsford. 2,620,593, Dec. 9.
Mattress, Orthopedic. R. Johnson. 2,593,678, Apr. 22.
Mattress protector. L. Schworm, Jr. 2,610,336, Sept. 16.
Mattress, Sleeping. J. P. Holt. 2,595,946, May 6.
Mattress, Two-section. C. F. Woods. 2,621,341, Dec. 16.
Mattresses, cushions, seats, and the like, Foam rubber. J. Marco. 2,604,642, July 29.
Maximal flatness filter. W. van B. Roberts. 2,617,882, Nov. 11.
Maximum demand meter. R. Pudelko. 2,590,459, Mar. 25.
Mayonnaise applicating apparatus. E. A. Rudolph. 2,622,555, Dec. 23.
Mean frequency control of frequency-modulated oscillators. G. L. Fernsler. 2,587,303, Feb. 26.
Means adjustably supporting a mirror from a cabinet or other base member. H. S. Viney. 2,592,086, Apr. 8.
Means anchoring tensioned cable for prestressed concrete. E. Freyssinet. 2,618,147, Nov. 18.

Means for balanced dispatching of odd and even numbers of elevator cars. W. A. Nikazy. 2,623,110, Dec. 23.
Means for holding and masking articles during coating. F. Z. Fouse. 2,600,161, June 10.
Means for keeping trouser crease straight upon the legs. M. Pohlod. 2,597,179, May 20.
Means for supporting the nozzles of the combustion chambers of internal-combustion turbines. A. A. Rubbra. 2,594,808, Apr. 29.
Means for the extinction of fire in tanks for combustible liquids. A. E. Wicklander. 2,599,796, June 10.
Means for use in selecting and matching lipstick and the like color tones to suit lip colorings. L. E. Watson. 2,623,304, Dec. 30.
Means inhibiting escape of oversize particles from circulatory pulverizing mills. C. Trost. 2,588,945, Mar. 11.
Means of vapor concentrations determination. J. Malecki. 2,623,391, Dec. 30.
Means regulating reset accumulation. L. E. Cuckler. 2,621,315, Dec. 9.
Means to facilitate the opening of umbrellas of reducible length. H. Wilster. 2,621,670, Dec. 16.
Means to separate water and foreign substances from steam. J. V. Pyle. 2,587,761, Mar. 4.
Means used in conjunction with a motion picture camera for the photographic recording of a date on a film. D. Kramer. 2,608,919, Sept. 2.
Measurement apparatus. S. E. Norris. 2,580,457, Jan. 1.
Measurement of displacement. M. E. Buehler. 2,604,527, July 22.
Measurement of fluid flow in boreholes by radioactivity. D. E. Craggs. 2,617,941, Nov. 11.
Measurement of the flow of liquids through grids and other baffling devices. L. G. Davies. 2,617,295, Nov. 11.
Measuring alignment characteristics of front and rear wheels, Method of and apparatus for. T. Carrigan. 2,601,262, June 24.
Measuring and box filling machine. H. Marchadour. 2,590,556, Mar. 25
Measuring and controlling apparatus. C. A. Hartung. 2,607,911, Aug. 19.
Measuring and controlling apparatus. W. P. Wills. 2,588,678, Mar. 11.
Measuring and dispensing apparatus for containers. W. W. Prickett. 2,590,458, Mar. 25.
Measuring and dispensing apparatus, Liquid. P. G. Mueller. 2,585,821, Feb. 12.
Measuring and dispensing device. J. F. Barnes. 2,603,386, July 15.
Measuring and dispensing top with dual compartments filled and emptied alternately. A. L. Ellis. 2,612,295, Sept. 30.
Measuring and leveling apparatus, Hydrostatic. M. R. Heath. 2,587,908, Mar. 4.
Measuring and location device. A. W. Ely. 2,619,728, Dec. 2.
Measuring and marking height indicator. S. T. Lester. 2,588,131, Mar. 4.
Measuring and reporting variables of electric and electromechanical systems. E. Bennett. 2,581,831, Jan. 8.
Measuring and varying the color quality of light, Method and apparatus for. V. O. Gitnus. 2,598,783, June 3.
Measuring apparatus. C. G. Beatty. 2,601,678, June 24.
Measuring apparatus. A. P. Besson. 2,618,752, Nov. 18.
Measuring apparatus. F. R. Edward. 2,620,875, Dec. 9.
Measuring apparatus. J. F. Zaleski. 2,611,804, Sept. 23.
Measuring apparatus, Echo distance. H. A. Stammer, D. O. Nelson, and J. A. Wippert. 2,597,199, May 20.
Measuring apparatus for beverage brewing machines. I. S. Lime. 2,606,697, Aug. 12.
Measuring apparatus having inverted pendulum indicator. W. J. B. Jansen. 2,598,552, May 27.
Measuring apparatus, Liquid. F. J. Mathews. 2,612,300, Sept. 30.
Measuring arrangements. G. T. Baker. 2,601,491–2, June 24.
Measuring beam current, Method and apparatus for. M. G. Holloway. 2,616,053, Oct. 28.
Measuring capillary pressure, Method and apparatus for. W. R. Purcell. 2,604,779, July 29.
Measuring conditions in deep wells. P. W. Martin. 2,607,220, Aug. 19.
Measuring device. E. S. Guttmann. 2,583,371, Jan. 22.
Measuring device. L. M. Hollingsworth. 2,597,327, May 20.
Measuring device. J. O. E. Johansson. 2,607,125, Aug. 19.
Measuring device. W. Rinker. 2,618,069, Nov. 18.
Measuring device. S. S. Swanson. 2,595,021, Apr. 29.
Measuring device employing light interference fringes. E. Root, III. 2,604,004, July 22.
Measuring device, Foot. J. S. Digate. 2,593,385, Apr. 15.
Measuring device, Foot. M. J. and D. W. Rosenberg. 2,592,188, Apr. 8.
Measuring device for mercury and powdered metal. H. J. Russell. 2,595,101, Apr. 29.
Measuring device, Hand. H. E. Clarke. 2,605,548, Aug. 5.
Measuring dew point, Method and apparatus for. H. K. Burr and G. F. Bailey. 2,588,355, Mar. 11.
Measuring dispenser. R. C. Penfield. 2,610,770, Sept. 16.
Measuring effective resistance, Method and apparatus for. J. S. Bell. 2,610,227, Sept. 9.
Measuring electrical impedances, Method and apparatus for. M. J. Reiis. 2,595,297, May 6.
Measuring electrical quantities, Method of and apparatus for. G. F. Shotter and H. D. Hawkes. 2,596,297, May 13.
Measuring finger for ultrasensitive comparators. R. D. Sheridan. 2,607,123, Aug. 19.
Measuring fish wire reel. E. B. Atkinson. 2,600,722, June 17.
Measuring gauge. R. E. Bauer. 2,592,840, Apr. 15.
Measuring head, Capacitive. D. B. Parkinson and C. Bielecki. 2,604,513, July 22.
Measuring head for automotive wheel alignment gauges. H. Wochner. 2,586,194, Feb. 19.
Measuring heat flow during quenching of metals, Method and apparatus for. L. D. Jaffe. 2,587,622, Mar. 4.
Measuring instantaneous rotational speed variations. H. R. Foster and E. E. Crump. 2,602,837, July 8.
Measuring instrument responsive to capacity variations. J. R. Cornelius. 2,588,702, Mar. 11.
Measuring intensity of magnetic fields, Method and apparatus for. G. Mumy. 2,598,285, May 27.
Measuring line. A. J. Irving. 2,602,233, July 8.
Measuring low pressures and related conditions, Method and apparatus for. W. G. Stone. 2,600,936, June 17.
Measuring machine attachment. D. Hawks, Jr., and E. Van Haaften. 2,610,408, Sept. 16.
Measuring microwave frequencies. R. L. Sproull. 2,580,968, Jan. 1.
Measuring moisture content of sand or the like, Method and apparatus for. J. Razek. 2,607,828, Aug. 19.
Measuring moisture content of sand or the like, Method and apparatus for. J. Razek. 2,607,830, Aug. 19.
Measuring of the standard deviation. F. H. Germans. 2,623,927, Dec. 30.
Measuring radiation. W. H. Zin. 2,608,661, Aug. 26.
Measuring radioactivity, Method and apparatus for. S. Krasnow and L. F. Curtiss. 2,590,873, Apr. 1.
Measuring resistivity of earth samples. H. L. Hilhartz and H. F. Dunlap. 2,613,250, Oct. 7.
Measuring system. D. L. Hall. 2,594,428, Apr. 29.
Measuring system. G. Shapiro. 2,591,731, Apr. 8.
Measuring system with grid current suppressor. R. E. Tarpley. 2,622,192, Dec. 16.
Measuring tape reel device. W. I. Carlson. 2,615,648, Oct. 28.
Measuring the cross sectional area of well bores by supersonic waves, Method and apparatus for. R. W. Goble. 2,595,241, May 6.
Measuring the moisture content of a running web. N. N. Stratveit and A. J. Schie. 2,611,074, Sept. 30.
Measuring the thickness of nonconducting coatings or films, Method of and apparatus for. J. E. Dinger. 2,581,394, Jan. 8.
Measuring the time rise and decay time of pulses, Method and apparatus for. M. Fassberg. 2,623,106, Dec. 23.
Measuring tightness of vessels, Method and apparatus for. R. B. Jacobs. 2,608,855, Sept. 2.
Measuring valve. E. W. Davis. 2,617,496, Nov. 11.
Measuring vessel. T. D. Di Addario. 2,613,537, Oct. 14.
Meat-cutting machine. A. Levit. 2,617,460, Nov. 11.
Meat guide for meat tenderizing machines. A. E. Lindner and A. J. Burtscher. 2,617,146, Nov. 11.
Meat market. F. Puttre. 2,581,140, Jan. 1.
Meat processing machine. A. L. Jackson. 2,598,548, May 27.
Meat product and treating meat. H. M. Condon. Re. 23,482, Apr. 29.
Meat saw with cleaning and scrap collecting apparatus. D. A. Mecker, G. B. Fox, and B. E. Sullenberger. 2,585,957, Feb. 19.
Meat tenderer. T. L. Dolan. 2,606,341, Aug. 12.
Meat tenderizer. S. G. Berglund and E. C. Karp. 2,622,269, Dec. 23.
Meat tenderizing device. S. Bakewell. 2,583,199, Jan. 22.
Meat tenderizing machine with stripper combs. A. L. Jackson. 2,598,550, May 27.
Meat treating machine. W. F. Spang. 2,605,497, Aug. 5.
Mechanical actuator. V. A. Hoover. 2,590,251, Mar 25.
Mechanical advantage operator. H. Allen. 2,614,520, Oct. 21.
Mechanical aerosol generator. J. W. Hession, Jr. 2,607,743, Aug. 19.
Mechanical aircraft brake. G. H. Collier. 2,586,518, Feb. 19.
Mechanical amusement or exercising horse. H. W. Phillips. 2,589,570, Mar. 18.
Mechanical apparatus. H. D. Else. 2,583,140, Jan. 22.
Mechanical arrangement of lighting variators. A. Arvidsson. 2,601,081, June 17.
Mechanical attachment for azimuth offset bombing. B. L. Havens. 2,597,989, May 27.
Mechanical bola. B. D. Manning. 2,611,340, Sept. 23.
Mechanical chair. A. Kost. 2,595,272, May 6.
Mechanical chicken feeder. J. W. Roberts and R. D. and A. Hogan. 2,601,057, June 17.
Mechanical cloth-laying apparatus. A. Bieber. 2,587,811, Mar. 4.
Mechanical clutch. J. E. Chapman. 2,610,718, Sept. 16.
Mechanical connecting means. H. H. Merriman. Re. 23,586, Nov. 18.
Mechanical control for water distributor. L. O. Keefer. 2,593,765, Apr. 22.

Mechanical counting relay. K. W. Graybill and H. Sengebusch. 2,615,080, Oct. 21.
Mechanical current converter for circuit interruption. A. Goldstein. 2,583,263, Jan. 22.
Mechanical current converter with apparatus for monitoring the synchronously actuated switches. H. Blatter. 2,622,234, Dec. 16.
Mechanical dowser for motion-picture projecting apparatus. A. F. Lindberg. 2,613,573, Oct. 14.
Mechanical draft inducer for combustion apparatus, including provisions for relieving back drafts. M. Resek, J. R. Kirkpatrick and D. L. Raymond. 2,617,371, Nov. 11.
Mechanical edging and grooving tool. A. R. Brickler. 2,617,336, Nov. 11.
Mechanical-electrical displacement converter. D. E. Priest. 2,621,224, Dec. 9.
Mechanical filter. L. L. Burns, Jr., and W. V. Roberts. 2,605,354, July 29.
Mechanical foam fluid formulation for alcohol fires. R. L. Tuve and H. B. Peterson. 2,614,978, Oct. 21.
Mechanical gas producers. F. J. and E. West. 2,621,116, Dec. 9.
Mechanical golf player's stance positioner. J. R. Hara. 2,611,610, Sept. 23.
Mechanical governor with spring supported wedge shaped governor weights. O. E. Hintz and H. A. Heckendorf. 2,611,603, Sept. 23.
Mechanical interlocking mechanism for switches. J. T. Fisher. 2,593,288, Apr. 15.
Mechanical lead slapper. R. S. Raymond and G. W. McGee. 2,589,629, Mar. 18.
Mechanical level. D. V. Delaney. 2,602,241, July 8.
Mechanical lubrication of axle boxes. J. Bouvat-Martin. 2,593,654, Apr. 22.
Mechanical measuring device. R. P. Ballou. 2,580,717, Jan. 1.
Mechanical modulator. H. Kihn. 2,589,091, Mar. 11.
Mechanical movement. C. B. Gray. 2,612,052, Sept. 30.
Mechanical movement. W. H. Kintzinger. 2,602,662, July 8.
Mechanical movement. H. Lakin. 2,598,275, May 27.
Mechanical movement. A. D. La Rue. 2,621,311, Dec. 9.
Mechanical movement. P. G. Mangos. 2,619,193, Nov. 25.
Mechanical movement. B. O. Prentice. 2,617,312, Nov. 11.
Mechanical movement. K. O. Sisson. 2,580,963, Jan. 1.
Mechanical negatives for photocopies, Making. R. V. Potteiger. 2,588,572, Mar. 11.
Mechanical off-bearing means. G. W. Charters and B. H. Michels. 2,588,484, Mar. 11.
Mechanical pargeting apparatus. M. Daignas. 2,583,767, Jan. 29.
Mechanical pointing device. W. H. Dance. 2,614,412, Oct. 21.
Mechanical power transmission. J. Bureš and K. Benák. 2,621,526, Dec. 16.
Mechanical pressure switch. R. G. Nye. 2,609,268, Sept. 2.
Mechanical pulverization of refrigerated plastics. R. E. Rhudeau. 2,609,150, Sept. 2.
Mechanical relay. G. R. Bouchard. 2,597,773, May 20.
Mechanical seal. F. B. Porges. 2,606,045, Aug. 5.
Mechanical sealing means. F. S. Allinquant. 2,608,422, Aug. 26.
Mechanical seed planter. C. B. Varco. 2,613,850, Oct. 14.
Mechanical strip deburring tool. J. H. Dudley. 2,619,881, Dec. 2.
Mechanical tracking device. H. E. Overacker. 2,589,852, Mar. 18.
Mechanical transmission. W. T. Rossell. 2,585,349, Feb. 12.
Mechanical trip and inching control for presses. G. I. and J. C. Danly. 2,616,542, Nov. 4.
Mechanical trip control for presses. V. Georgeff. 2,594,909, Apr. 29.
Mechanical vibration system. K. Ehrat and V. Milliquet. 2,594,749, Apr. 29.
Mechanical wild fowl decoy. E. F. Kinney and H. E. Myers. 2,591,554, Apr. 1.
Mechanically actuated marionette control mechanism. F. E. Ueltschi. 2,615,282, Oct. 28.
Mechanic's creeper. A. L. Henry and A. E. Killingsworth. 2,611,417, Sept. 23.
Mechanic's shop work layout tool of the head and pivoted blade type. J. C. Thursack. 2,611,185, Sept. 23.
Mechanism control. R. S. Hinsey. 2,587,725, Mar. 4.
Mechanism for adjusting electric devices in enclosures therefor. P. M. Christensen. 2,599,695, June 10.
Mechanism for aligning boxes in a stack. E. G. Griffith. 2,602,554, July 8.
Mechanism for applying rolled sheet material to vertical surfaces. H. A. Herzog and D. J. Gjesdahl. 2,622,752, Dec. 23.
Mechanism for assembling annular members. M. C. Fisher. 2,601,603, June 24.
Mechanism for automatically positioning a member in a series of predetermined positions. J. McFarlane. 2,581,548, Jan. 8.
Mechanism for charging containers. R. Spurr. 2,611,525, Sept. 23.
Mechanism for carrying and releasing bombs and rockets. R. H. Foster. 2,623,437, Dec. 30.
Mechanism for coating interior of hollow articles. C. A. Wulf. 2,609,788, Sept. 9.
Mechanism for continuously producing, drying, and packaging spaghetti and like dough-string articles in equal quantities or weights. C. Hummel. 2,622,545, Dec. 23.
Mechanism for converting pence amounts to sterling. A. J. Keen. 2,620,976, Dec. 9.
Mechanism for converting sterling amounts to pence. H. H. Keen. 2,602,588, July 8.
Mechanism for delivering inflammable liquids. A. C. Elliott. 2,588,504, Mar. 11.
Mechanism for drawing wire. E. J. McIlvried. 2,609,087, Sept. 2.
Mechanism for eliminating angularity effect. W. H. Howe. 2,623,392, Dec. 30.
Mechanism for finishing cylindrical surfaces. L. Lowy and S. R. Emig. 2,591,273, Apr. 1.
Mechanism for gently engaging and feeding fragile articles. H. J. Paynter and F. Derrer. 2,597,900, May 27.
Mechanism for grinding machines. F. B. Hatebur. 2,599,990, June 10.
Mechanism for handling sheets of material. J. Melzer. 2,623,773, Dec. 30.
Mechanism for imparting rectilinear movement to a member. F. C. Young. 2,610,849, Sept. 16.
Mechanism for loading grease guns. J. A. Purvis. 2,601,169, June 17.
Mechanism for loading sheet material into magazines. C. G. Preis and R. E. J. Nordquist. 2,594,346, Apr. 29.
Mechanism for manufacturing small glass beads. A. K. Lyle. 2,616,124, Nov. 4.
Mechanism for operating a closure for an opening. H. I. Morris. 2,598,709, June 3.
Mechanism for operating a momentary switch for an electric circuit. J. O. Roeser. 2,616,009, Oct. 28.
Mechanism for operating a sealing collet. P. E. Cate. 2,586,915, Feb. 26.
Mechanism for producing clear ice bodies. C. A. Weseman and C. E. Enger. 2,586,588, Feb. 19.
Mechanism for puncturing containers and dispensing liquids therefrom. A. E. Toth. 2,603,385, July 15.
Mechanism for raising aircraft hangar doors. A. D. Margison and A. Craigon. 2,614,835, Oct. 21.
Mechanism for raising and lowering plow frames relative to the ground wheels. W. T. Graham. 2,588,918, Mar. 11.
Mechanism for registering sheets. H. T. Backhouse. 2,599,602, June 10.
Mechanism for reproducing recorded sounds in toys. P. Strauss. 2,616,707, Nov. 4.
Mechanism for separating sheetlike materials. E. Johansson, B. Bergvall, and U. Alfredsson. 2,611,471, Sept. 23.
Mechanism for shifting gears. R. L. Herrell. 2,600,767, June 17.
Mechanism for steering nose wheels of aircraft. R. L. Hayman, D. W. Driskel, and D. C. Hill. 2,622,827, Dec. 23.
Mechanism for teaching the piano. J. H. Williams. 2,613,569, Oct. 14.
Mechanism for the intermittent driving of cinematographic films. J. Thévenaz. 2,587,548, Feb. 26.
Mechanism for the intermittent driving of cinematographic films. J. Thévenaz. 2,612,816, Oct. 7.
Mechanism for transferring containers and the like. L. E. Davies. 2,601,914, July 1.
Mechanism for transmitting torque. E. E. Wemp. 2,599,214, June 3.
Mechanism for transporting loads. I. H. Small and W. W. Loman. 2,605,912, Aug. 5.
Mechanism for utilizing secondary movements arising on running vehicles. Z. Maar. 2,593,467, Apr. 22.
Mechanism for weaving. W. J. Budzyna and M. R. Flamand. 2,580,994, Jan. 1.
Mechanism for weighing bulk cargo. W. F. Le Fevre, Jr. 2,616,683, Nov. 4.
Mechanism for winding textile threads or filaments onto flanged bobbins. H. Whittaker. 2,608,354, Aug. 26.
Mechanism responsive to variations in the consistency of a fibrous suspension. K. A. Karlsson. 2,618,966, Nov. 25.
Mechanism to facilitate the turning of the pages of a book. M. Romaniuk. 2,610,434, Sept. 16.
Mechanism to level and erect seat backs. S. D. Bryant. 2,596,760, May 13.
Mechanism to secure stereotype printing plates and in printing plates for use with that mechanism. J. O. Crabtree and C. W. Marshall. 2,623,462, Dec. 30.
Mechanism to sever tape between adjacent ends of cartons. O. A. Badenhausen, E. A. Wahl, and W. Boehl. 2,586,903, Feb. 26.
Mechanized production of solid fuel. F. A. Howard. 2,606,010, Aug. 5.
Mechanized seed distributor. H. J. and A. N. Baldwin and T. Mihara. 2,584,322, Feb. 5.
Medical appliance. I. Freed. 2,622,596, Dec. 23.
Medical examination drape. P. I. Djorup. 2,593,121, Apr. 15.
Medical injection apparatus, Automatic. G. R. Glass, J. I. Bandrowski, and Z. M. Roehr. 2,602,446, July 8.
Medical practice chair with back rest locking means. N. E. Lauterbach. 2,595,394, May 6.

Medical preparation for reducing the body level of sodium. A. E. Heming. 2,611,730, Sept. 23.
Medicament applicator. M. J. Cohen. 2,623,519, Dec. 30.
Medicament applicator. H. E. Curry and H. A. Miller. 2,582,529, Jan. 15.
Medicament applicator. H. D. Wintle, Jr. 2,589,178, Mar. 11.
Medicament, Enteric. C. C. H. Thomas and L. E. Edelman. 2,591,742, Apr. 8.
Medicament or cosmetic applicator package. S. van Boytham. 2,621,784, Dec. 16.
Medication unit. J. W. Brown and J. T. Donnell. 2,616,424, Nov. 4.
Medicinal preparation for dysmenorrhea. J. Henderson. 2,601,285, June 24.
Medicine cabinet. P. F. Simpson. 2,608,458, Aug. 26.
Medium for production of penicillin. A. R. Stanley. 2,609,330, Sept. 2.
Medium for use in making camera copy and preparing the same. M. D. McIntosh. 2,601,161, June 17.
Medium-strength corrosion-resistant aluminum alloys. T. L. Fritzlen. 2,601,206, June 17.
Melamine coating resins. T. P. Malinowski. 2,619,476, Nov. 25.
Melamine-formaldehyde resinous composition containing acetyl benzamide. R. Lindenfelser and M. Kilthau. 2,619,480, Nov. 25.
Melamine formaldehyde scratch resistant coating composition, applying, and article produced thereby. M. H. Nickerson. 2,589,567, Mar. 18.
Melamine, Preparation of. L. C. Lane. 2,615,018, Oct. 21.
Melt spinning process and fiber. H. H. Hebeler. 2,604,689, July 29.
Melting furnace. J. F. Jordan. 2,622,862, Dec. 23.
Memo pad assembly, Telephone. W. C. Hamilton. 2,610,867, Sept. 16.
Memo pad attachment for telephones. A. J. Pratt. 2,592,066, Apr. 8.
Memorandum device. H. Lathrop. 2,615,730, Oct. 28.
Memorandum pad unit. C. C. Harris. 2,600,533, June 17.
Memorial marker. W. M. Oertlin. 2,623,616, Dec. 30.
Memory device. A. M. Krueger and R. H. Peterson. 2,601,154, June 17.
Mending machine, Hosiery. C. W. Gardner. 2,600,635, June 17.
Mercaptan-ethylene oxide condensation products of reduced pour point. R. L. Wolf. 2,619,466, Nov. 25.
Mercaptan extraction. T. B. Tom and J. A. Bolt. 2,585,284, Feb. 12.
Mercaptans, Manufacture of. P. F. Warner. 2,592,089, Apr. 8.
Mercapto azoles in developer for mixed grain photographic process. B. H. Carroll and F. A. Richey. 2,614,925, Oct. 21.
Mercaptoethyl pyridines and preparing same. W. H. Vinton. 2,607,776, Aug. 19.
Mercaptothiazines as sulfur-corrosion inhibiting agents. W. Lowe and J. O. Clayton. 2,620,303, Dec. 2.
Mercapto-penicillins. O. K. Behrens, R. G. Jones, Q. F. Soper, and J. W. Corse. 2,623,876, Dec. 30.
Mercapto thiazole-sulfur halide reaction products. D. J. Beaver. 2,609,373, Sept. 2.
Merchandise cabinet. H. H. Newman. 2,602,015, July 1.
Merchandise dispensing and recording system. E. S. Peterson. 2,623,694, Dec. 30.
Merchandise display rack. O. Pearson. 2,604,997, July 29.
Merchandise package. R. C. Zimmerman. 2,595,043, Apr. 29.
Merchandise stand. W. Bedingfield. 2,610,817, Sept. 16.
Merchandise vending or dispensing machine. S. B. Palmer and R. F. Paulson. 2,607,652, Aug. 19.
Merchandising and display stand. A. R. Brown. 2,584,255, Feb. 5.
Mercury cathode electrolytic cell. W. Wood and C. E. Bowen. 2,614,977, Oct. 21.
Mercury column thermostatic switch. W. M. Smith, B. F. Freeberg, and A. W. Tharp. 2,596,825, May 13.
Mercury switch. N. Sissenwine and J. Ratzkin. 2,606,256, Aug. 5.
Mercury switch. G. W. Winter. 2,609,467, Sept. 2.
Mesh joint for pliers and like instruments. M. Schiffbauer. 2,611,288, Sept. 23.
Mesitylene manufacture. A. P. Lien and D. A. McCaulay. 2,589,621, Mar. 18.
Message numbering device. R. H. Halvorsen. 2,613,265, Oct. 7.
Message timing device. S. K. Ferguson. 2,584,997, Feb. 12.
Messenger wire clamp. R. B. Schoonmaker, S. P. Becker, and H. R. Wengen. 2,584,743, Feb. 5.
Metabolism apparatus for measuring oxygen consumption during respiration. J. A. Heidbrink. 2,592,694, Apr. 15.
Metadyne motor. J. M. Pestarini. 2,599,936, June 10.
Metal awning structure. M. J. Kersey. 2,588,011, Mar. 4.
Metal balls, Making. E. Defissen. 2,614,317, Oct. 21.
Metal box. H. M. Piker. 2,596,042, May 6.
Metal carbonyl powders of small size, Production of. G. O. Altmann. 2,612,440, Sept. 30.
Metal chip crusher. P. K. Moser. 2,606,719, Aug. 12.
Metal chloride screening smoke mixture. J. C. Ballar, Jr., and R. W. Parry. 2,614,083, Oct. 14.
Metal clad counter tops, Making. G. H. Norquist. 2,585,961, Feb. 19.
Metal cleaning composition, Noncorrosive. J. H. Secrist. 2,599,729, June 10.
Metal coating. H. S. Lukens. 2,583,581, Jan. 29.
Metal concrete column form, Sectional. L. M. Otte and J. R. Merica. 2,595,286, May 6.
Metal cone cathode-ray tube. J. S. Bailey and A. W. Schmidt. 2,585,614, Feb. 12.
Metal container having reinforced end seam. M. Anseele. 2,598,962, June 3.
Metal covered walls. K. T. Nystrom. 2,596,280, May 13.
Metal cutting toolholder. R. C. Nelson. 2,587,370, Feb. 26.
Metal detecting and sorting apparatus. G. H. Williams. 2,620,923, Dec. 9.
Metal detector. E. A. Gilbert. 2,580,670, Jan. 1.
Metal detector. A. H. Hofberg. 2,587,158, Feb. 26.
Metal door. L. V. Robinson. 2,596,792, May 13.
Metal foil heating device. D. B. Cox. 2,600,485, June 17.
Metal foil honeycomb core. T. P. Pajak. 2,609,068, Sept. 2.
Metal foil perforator for capacitor winding machines. H. Dahl and S. T. Moreland. 2,593,993, Apr. 22.
Metal folding chair. J. B. O'Connor. 2,607,399, Aug. 19.
Metal frame joint and manufacturing same. R. R. Lambert. 2,619,574, Nov. 25.
Metal harness heddle and assembly. A. S. Galaher. 2,623,547, Dec. 30.
Metal hatch pontoon. K. W. Jernstrom. 2,582,436, Jan. 15.
Metal hatch pontoon. K. W. Jernstrom. 2,605,866, Aug. 5.
Metal hydrides, Making. A. S. Newton. 2,588,153, Mar. 4.
Metal joint for panels. J. J. Pizak and C. E. Husome. 2,604,422, July 22.
Metal molybdite catalyzed dehydration process. H. R. Arnold and J. E. Carnahan. 2,591,493, Apr. 1.
Metal molybdite catalyzed hydrogenation process. H. R. Arnold and J. E. Carnahan. 2,584,531, Feb. 5.
Metal nitrates, Manufacture of. T. Critchley. 2,581,519, Jan. 8.
Metal oxide scale removal. P. B. Kraus and H. H. Schaumann. 2,619,434, Nov. 25.
Metal pallet. W. W. Cushman. 2,615,661, Oct. 28.
Metal panel, Insulated. G. H. Bollinger, Jr. 2,585,082, Feb. 12.
Metal parts cleaning machine, Power agitated. E. L. Chadwick. 2,592,117, Apr. 8.
Metal piercing and cutting shears. K. W. Nebel. 2,581,694, Jan. 8.
Metal plate rotary fastener. J. P. Spahr and A. Cajowski. 2,599,207, June 3.
Metal pouring apparatus for feeding molten metal into centrifugal molds. J. J. Nolan, Jr. 2,597,811, May 20.
Metal powder, Production of. H. A. Golwynne. 2,587,614, Mar. 4.
Metal powders of small size, Production of. J. M. Lambert and F. A. Hamm. 2,604,442, July 22.
Metal protecting compositions. J. C. Zimmer and G. W. Duncan. 2,582,733, Jan. 15.
Metal recovery. C. C. Heritage and W. G. Van Beckum. 2,589,252, Mar. 18.
Metal recovery apparatus. N. B. Aukerman. 2,619,456, Nov. 25.
Metal refining process. J. B. Wagstaff. 2,593,505, Apr. 22.
Metal rotor blade having flexible trailing edge. M. E. Gluhareff. 2,620,884, Dec. 9.
Metal sash, Double-glazed. R. R. Cameron. 2,591,780, Apr. 8.
Metal scribing gauge. L. Plotnik. 2,588,658, Mar. 11.
Metal sheets or plates, Producing. W. C. Johnson. 2,593,460, Apr. 22.
Metal spraying gun. J. A. A. Larsson. 2,585,560, Feb. 12.
Metal stock oiler. A. J. Zaber and J. D. Gray. 2,614,526, Oct. 21.
Metal straightener and anvil, Adjustable. R. A. Peterson and L. J. Howell. 2,582,560, Jan. 15.
Metal strip or sheet feeding means. J. Simpson. 2,598,451, May 27.
Metal supporting skeleton for a building construction. A. Horowitz. 2,607,450, Aug. 19.
Metal table formed from sheet material. R. S. Sanford. 2,616,773, Nov. 4.
Metal tag. H. Nierhaus. 2,590,883, Apr. 1.
Metal tempering apparatus. R. J. Linney. 2,596,493, May 13.
Metal transfer system. H. M. Short. 2,618,477, Nov. 18.
Metal treatment of oxo alcohols. J. K. Mertzweiller. 2,585,816, Feb. 12.
Metal vapor electric discharge apparatus. H. C. Bertele. 2,594,851, Apr. 29.
Metal window. G. Simpkins. 2,602,527, July 8.
Metal window construction. D. T. Bjork. 2,593,093, Apr. 15.
Metalworking lubricant. E. J. Jahn. 2,605,224, July 29.
Metalworking lubricant. G. L. Perry. 2,590,451, Mar. 25.
Metal working lubricant. G. L. Perry and S. K. Talley. 2,621,159, Dec. 9.

Metal working tool. R. A. and E. Millholland. 2,604,800, July 29.
Metallic and fabric awning structure, Combined. I. P. Smith. 2,581,726, Jan. 8.
Metallic bodies, Producing. B. W. Gonser and E. E. Slowter. 2,604,395, July 22.
Metallic can. H. Sebell. 2,621,826, Dec. 16.
Metallic carbides used as microphone resistance granules. E. A. Ericsson and A. O. Jörgensen. 2,583,732, Jan. 29.
Metallic cellular beverage case. O. C. Coles, Jr. 2,613,840, Oct. 14.
Metallic coated article, Strongly adherent. W. H. Colbert, A. R. Weinrich, and W. L. Morgan. 2,581,632, Jan. 8.
Metallic composition. C. H. Hack and J. M. Ciborski. 2,608,982, Aug. 26.
Metallic door frame securing clip. V. L. Shea. 2,598,139, May 27.
Metallic eave strip. C. L. Hutchisson, Jr., and E. H. Cropp. 2,585,324, Feb. 12.
Metallic fluorides, Production of. J. F. Gall and H. C. Miller. 2,615,232, Oct. 28.
Metallic getter compositions. L. D. Lockwood. 2,607,742, Aug. 19.
Metallic insert for pneumatic tires. H. E. Kimes. 2,600,506, June 17.
Metallic molding section. T. W. Barton. 2,585,727, Feb. 12.
Metallic nitrides, Production of. F. J. Sowa. 2,606,815, Aug. 12.
Metallic reinforcing cord for pneumatic tires. P. M. Bourdon. 2,598,033, May 27.
Metallic television tube bodies, Making. F. J. Gardiner. 2,603,177, July 15.
Metallically sheathed bucket rim. H. D. Haley. 2,586,033, Feb. 19.
Metallized ceramic coating composition. L. A. Bain, Jr., and H. E. Malone. 2,608,539, Aug. 26.
Metallized ortho-hydroxy monoazo dyestuffs. H. W. Grimmel and H. H. Bestehorn. 2,602,080, July 1.
Metallized ortho-hydroxy, ortho amino monoazo dyestuffs. H. H. Bestehorn and J. F. Morgan. 2,583,925, Jan. 29.
Metallizing process and apparatus. C. A. Meisheimer. 2,590,557, Mar. 25.
Metallo-thiopiasts. L. Akobjanoff. 2,614,097, Oct. 14.
Metallurgical apparatus for treating test specimens. H. G. Keshian. 2,611,264, Sept. 23.
Metallurgy. J. L. Ellis and C. G. Goetzel. 2,581,253, Jan. 1.
Metallurgy. M. J. Udy. 2,582,469, Jan. 15.
Metallurgy. M. J. Udy. 2,610,911, Sept. 16.
Metals from their ores, Production of. R. Rummel. 2,612,444, Sept. 30.
Metals, Production of. C. H. Winter, Jr. 2,586,134, Feb. 19.
Metals, Production of. C. H. Winter, Jr. 2,607,674, Aug. 19.
Metals recovery unit. L. R. Cox. 2,617,525, Nov. 11.
Metatarsal arch supporting pad. W. M. Scholl. 2,591,378, Apr. 1.
Meta-thiazines. K. W. Wheeler and V. W. Gash. 2,585,064, Feb. 12.
Meteorological apparatus. L. E. Wood. 2,587,946, Mar. 4.
Meteorological calculating mechanism. F. B. Caldwell. 2,612,316, Sept. 30.
Meter: *See*—
- Brightness meter.
- Capacitance meter.
- Color temperature and exposure meter.
- Continuous integrating demand meter.
- Current meter.
- Detonation meter.
- Diffusion measuring meter.
- Direct reading color temperature meter.
- Distance meter.
- Drilling mud resistivity meter.
- Electrical moisture meter.
- Electronic impedance meter.
- Exposure meter.
- Fluid meter.
- Frequency meter.
- Fuel duration meter.
- Gauss meter.
- Geiger tube radiation meter.
- Gravity meter.
- Hall effect alternating current volt-ampere meter.
- Hydraulic torque meter.
- Level and distance meter.
- Liquid fuel meter.
- Liquid meter.
- Magnetic wire footage meter.
- Maximum demand meter.
- Noise-factor meter.
- Parking meter.
- Permanent magnet core meter.
- Phase shift torque meter.
- Plating thickness meter.
- Power-driven meter.
- Radio angle reception meter.
- Radiation intensity meter.
- Relative humidity meter.
- Rotating disk icing rate meter.
- Telegraph signal bias meter.
- Thermoluminescence radiation exposure meter.
- Torsion meter.
- True air speed and true altitude rate meter.
- True air-speed meter.
- Velocity meter.
- Viscosity meter.
- Volt-ampere meter.
- Wide frequency range power-factor meter.

Meter. H. Kenosian. 2,589,263, Mar. 18.
Meter and bank therefor, Coin controlled. W. P. Gallagher, A. D. Stolle, and D. E. Schroeder. 2,612,975, Oct. 7.
Meter and coin slot therefor, Parking. R. Broussard. 2,580,400, Jan. 1.
Meter and coin slot therefor, Parking. R. Broussard. 2,596,122-3, May 13.
Meter base spreader. J. E. Rainwater. 2,589,572, Mar. 18.
Meter box and cover therefor. G. G. Griffin. 2,594,012, Apr. 22.
Meter box and meter mounting. R. V. Ford. 2,619,837, Dec. 2.
Meter damping magnet structure. J. H. Goss, L. I. Mendelsohn and H. A. Bakke. 2,595,244, May 6.
Meter for determining flow rate and/or viscosity of fluids. V. P. Head. 2,598,910, June 3.
Meter for determining the amplitudes of sine waves recorded on disks. R. E. Santo. 2,599,351, June 3.
Meter for pulsating loads, Maximum demand. P. E. Fehr. 2,598,899, June 3.
Meter house. J. Miller and J. W. Workman. 2,588,270, Mar. 4.
Meter integrator and multiplier. D. I. Bohn. 2,605,963, Aug. 5.
Meter reset locking and sealing means. G. B. Manning. 2,602,349, July 8.
Meter socket and circuit interrupting device, Combined. W. St. John. 2,606,232, Aug. 5.
Meter stop. W. E. Gould. 2,589,244, Mar. 18.
Meter testing apparatus. F. E. Davis, III. 2,586,008, Feb. 19.
Meter with set cycle, Coin. H. Greenwald. 2,583,332, Jan. 22.
Metering a liquefied gas, Process of and apparatus for. R. M. Thayer. 2,610,471, Sept. 16.
Metering device, Liquid. T. S. Macneish. 2,582,387, Jan. 15.
Metering fuel pump. W. E. Leibing. 2,581,764, Jan. 8.
Metering fuel pump. W. E. Leibing. 2,594,662, Apr. 29.
Metering fuse. D. A. Stark. 2,592,487, Apr. 8.
Metering pin. O. O. Newman. 2,591,090, Apr. 1.
Metering spray applicator. J. H. Du Bois. 2,583,821, Jan. 29.
Metering system for telephony. E. Ungar. 2,596,308, May 13.
Metering valve. W. S. Landon. 2,615,671, Oct. 28.
Methallyl chloride, Production of. A. J. Chernlavsky and D. Brown. 2,612,530, Sept. 30.
Methanol complex of dehydro-l-ascorbic acid. B. Pecherer. 2,590,067, Mar. 18.
Methine dyestuffs. J. B. Dickey and G. J. Taylor. 2,583,551, Jan. 29.
Methine dyestuffs. H. D. Edwards and J. D. Kendall. 2,603,642, July 15.
Methine dyestuffs and their manufacture. G. Schwarz and P. F. De Smet. 2,592,196, Apr. 8.
Method and absorption means for separating and for recovering carbon monoxide from gas mixtures. H. Deringer. 2,580,527, Jan. 1.
Method and apparatus for cold milling soap and other materials. D. E. Marshall, J. A. Harrington, and R. L. Crane. 2,620,511, Dec. 9.
Method and apparatus for controlling material and fluid to rotatable drum pulverizers. A. Hesse. 2,602,594, July 8.
Method and apparatus for grinding. N. Ahlmann. 2,595,117, Apr. 29.
Method and apparatus for heating. F. O. Hess. 2,603,470, July 15.
Method and apparatus for making electrical measurements. B. M. Wojciechowski. 2,589,758, Mar. 18.
Method and apparatus for manufacture of ampoules and other containers. F. Meyer. 2,616,232, Nov. 4.
Method and apparatus for photoelectrically assorting, recording, or computing. J. A. Victoreen. 2,600,817, June 17.
Method and apparatus for processes employing fluent solids. C. L. Caldwell. 2,594,289, Apr. 29.
Method and apparatus for processes employing fluent solids. C. L. Caldwell. 2,595,224, May 6.
Method and apparatus for refrigeration. C. Chilowsky. 2,589,775, Mar. 18.
Method and apparatus for the application of materials. S. Letvin and G. P. Haynes. 2,599,465, June 3.
Method and apparatus for the manufacture of carpets. C. G. Lemon and E. T. C. Brinton. 2,588,130, Mar. 4.
Method and apparatus for the production of iron. F. Totzek. 2,605,180, July 29.
Method and apparatus for tire or like repair vulcanizing. L. F. Borda and S. W. Bile. 2,597,611, May 20.
Method and circuit for pulsation welding. A. D. Hasley and F. H. Hibbard. 2,585,772, Feb. 12.
Method and composition for imparting water resistance to textile material. F. W. Minor, A. M. Sookne, M. Harris and G. L. Pyle. 2,615,824, Oct. 28.
Method and composition for inhibiting foam in aqueous systems. L. O. Gunderson. 2,612,478, Sept. 30.
Method and device for removing impurities by aspiration from rollers of carding machines. V. Heřmánek. 2,585,776, Feb. 12.
Method and machine for making a brush element of the strip type. R. W. Vose and E. D. Hargreaves. 2,616,763, Nov. 4.
Method and machine for making doughnuts and the like. R. M. Lehman. 2,611,329, Sept. 23.
Method and machine for making globular surgical sponges. H. C. Riordan and W. S. Stone. 2,613,399-400, Oct. 14.
Method and machinery for making bottle caps. B. Cohn. 2,600,393, June 17.

Method, and means for regulating the speed of ships' propellers. K. V. Kettunen. 2,621,633, Dec. 16.
Method and means for the preparation of sample cards carrying knotted sample threads. E. Erb. 2,620,641, Dec. 9.
Method and mechanism for raising vehicles. W. T. Walker. 2,593,635, Apr. 22.
Method and mold for covering of eyelets by plastic injection. S. L. Gookin. 2,596,993, May 20.
Method and products utilizing cashew nut shell liquid. L. B. Palmer and R. W. Charlton. 2,611,715, Sept. 23.
Method and system for reducing noise in the transmission of electric signals. H. H. Scott. 2,606,970, Aug. 12.
Method and system of radio navigation. J. Bouzitat and P. Perilhou. 2,624,045, Dec. 30.
Method, apparatus for making coffee beverages. A. F. Wirtel and E. Knoesel. 2,599,682, June 10.
Method employing amines for cleaning type matrixes. W. Heinecke. 2,615,825, Oct. 28.
Method for atomizing fuel and nozzle for carrying out this method. R. L. Wille. 2,623,786, Dec. 30.
Method for consolidating or for plugging sands. G. G. Wrightsman. 2,595,184, Apr. 29.
Method for use in the preservation of eggs. A. Napper. 2,595,808, May 6.
Method in carrying out treatment of melted pig iron or other alloyed iron. B. M. S. Kalling and O. L. Lindskog. 2,598,393, May 27.
Method of agglomeration. M. C. Jean, J. Lelong, and R. L. Laurent. 2,623,243, Dec. 30.
Method of and apparatus for controlled heating of enclosures. H. W. Hubers, Jr. 2,587,322, Feb. 26.
Method of and apparatus for corrugating asbestos-cement sheets. W. H. Rooksby, H. Homer, and T. Burgess. 2,586,481, Feb. 19.
Method of and apparatus for cutting and chamfering gears. E. Wildhaber and L. O. Carlsen. 2,620,709, Dec. 9.
Method of and apparatus for extruding. C. Uschmann. 2,587,930, Mar. 4.
Method of and apparatus for forming pipe insulation. R. E. Cryor and E. T. Johnson. 2,620,513, Dec. 9.
Method of and apparatus for handling slit coils. N. J. Ranney. 2,617,353, Nov. 11.
Method of and apparatus for washing dishes. G. B. Fox and J. M. Sherman. 2,592,885, Apr. 15.
Method of and device for ensuring the proper order of threads isolated from a sheet of warp threads. S. S. C. Fleischer. 2,610,382, Sept. 16.
Method of and device for measuring and controlling the quality factor and damping factor of electric circuits and components thereof. B. Carniol. 2,614,153, Oct. 14.
Method of and machine for inserting blind fastenings. H. A. Imhof. 2,618,400, Nov. 18.
Method of and machine for making and filling packages for fluent substances. L. L. Salfisberg. 2,612,738, Oct. 7.
Method of and system for indicating the light modulation in a transparent medium. R. H. Rines. 2,622,470, Dec. 23.
Method of and system for measuring impedance mismatch. P. E. Gilmer. 2,617,853, Nov. 11.
Method of and system for obtaining a standard low-frequency. W. D. Hershberger. 2,609,654, Sept. 9.
Method of and system for reducing noise in the transmission of signals. H. H. Scott. 2,606,970, Aug. 12.
Method of and tool for crimping tubes. M. D. Bergan. 2,583,625, Jan. 29.
Method of and vortex-type furnace for burning waste fuel. H. C. L. Miller and H. A. Raddin. 2,614,513, Oct. 21.
Method of cutting timber and of connecting the slabs. R. B. Blackmore. 2,613,708, Oct. 14.
Method of degreasing and vibratory degreaser. J. M. Bash. 2,618,577, Nov. 18.
Method of printing and apparatus therefor. G. Menaker. 2,622,560, Dec. 23.
Method to ensure the correct sequence of the threads or groups of threads in thread layers. S. S. C. Fleischer. 2,603,852, July 22.
Methods and compounds useful in the production of 17-hydroxysteroids. E. C. Kendall. 2,602,804, July 8.
Methyl-butylsulfamylbenzoic acid. C. Ziegler. 2,608,513, Aug. 26.
Methyl cellulose-modified phenolic adhesive and plywood product. C. N. Cone. 2,613,167, Oct. 7.
Methyl glucoside. Preparation of. G. R. Dean and R. E. Pyle. 2,606,186, Aug. 5.
Methyl lactate. Manufacture of. H. C. Highet and F. E. Salt. 2,610,206, Sept. 9.
Methyl-substituted disiloxane diols. Making. G. R. Lucas and R. W. Martin. 2,600,307, June 10.
Methylation of aromatics. M. H. and E. Gorin. 2,581,014, Jan. 1.
Methylation of curare. M. D. Bray. 2,581,903, Jan. 8.
Methylenebisphenols derived from 6-chlorothymol. H. E. Faith. 2,597,717, May 20.
Methylene-bis-2-imidazolidones. M. D. Hurwitz and R. W. Auten. 2,613,210, Oct. 7.
Methylol derivatives of ureidopolyamines. R. S. Yost and R. W. Auten. 2,616,874, Nov. 4.
Methylol melamine derivatives. M. Kosmin. 2,594,452, Apr. 29.
Methylol phenol esters and plasticized materials therefrom. R. W. Martin. 2,598,406, May 27.
Mica splitting apparatus. M. D. Heyman. 2,612,889, Oct. 7.
Microburet or pipet. R. Gilmont. 2,622,765, Dec. 23.
Microfilm apparatus. V. E. Pratt and G. F. Gray. 2,606,478, Aug. 12.
Micromanipulator. J. Monchablon. 2,595,282, May 6.
Micrometer. M. F. Bennett. 2,611,967, Sept. 30.
Micrometer. F. J. McClish. 2,620,567, Dec. 9.
Micrometer. W. Rinker, O. Sanger, and E. Leitz, Jr. 2,609,607, Sept. 9.
Micrometer. C. F. Sherwin. 2,614,331, Oct. 21.
Micrometer. S. G. Zuckerman. 2,613,445, Oct. 14.
Micrometer bracket. H. W. Blewett and J. A. Bernardini. 2,590,922, Apr. 1.
Micrometer caliper. J. A. Stedman. 2,607,999, Aug. 26.
Micrometer caliper, Internal. H. Meyer. 2,604,703, July 29.
Micrometer depth indicator. J. F. Foxx. 2,583,693, Jan. 29.
Micrometer dial for machine and the like tools. P. M. Henkes and E. L. Miottel. 2,612,134, Sept. 30.
Micrometer height gauge. H. W. Pittenger. 2,590,455, Mar. 25.
Micrometer heighth gauge. R. R. Noble. 2,611,186, Sept. 23.
Micrometer, Inside. J. W. Croker. 2,602,234, July 8.
Micrometer, Inside. M. R. Hicks. 2,606,370, Aug. 12.
Micrometer reading attachment. J. Kawabata. 2,618,194, Nov. 18.
Micrometric control for boom hoisting means. F. L. White. 2,602,551, July 8.
Microphone, Directional. B. B. Bauer. 2,587,684, Mar. 4.
Microphone and control means, Combined hand. A. C. De Napoli, Jr. 2,611,042, Sept. 16.
Microphone diaphragm, Ribbon-type. H. Eckardt. 2,608,265, Aug. 26.
Microphone mount. M. Rettinger. 2,610,018, Sept. 9.
Microphone pickup enclosure. D. W. Martin. 2,618,191, Nov. 18.
Microphone, Underwater. J. M. Kendall. 2,582,994, Jan. 22.
Microphone, Waterproof. R. M. Gogolick and R. L. Brown. 2,605,346, July 29.
Microphone windshield. W. D. Cragg and M. L. Gayford. 2,623,957, Dec. 30.
Microphonic carbon, Preparation of. C. E. Mitchell. 2,606,817, Aug. 12.
Microscope, Depth measurement. W. D. Briggs. 2,607,270, Aug. 19.
Microscope, Interference. F. H. Smith. 2,601,175, June 17.
Microscope measuring device. G. Rollat. 2,592,339, Apr. 8.
Microscope nosepiece. B. W. Jones. 2,621,563, Dec. 16.
Microscope with reflecting objective. A. Bouwers. 2,593,724, Apr. 22.
Microsecond delay circuit. N. B. Saunders. 2,600,270, June 10.
Microspacers, Making. O. M. Stuetzer. 2,608,722, Sept. 2.
Microstill. J. J. Piros and J. A. Glover. 2,608,528, Aug. 26.
Microthermal responsive control system. P. G. Winter. 2,597,272, May 20.
Microtomes. O. Sänger. 2,590,725, Mar. 25.
Microwave antenna and mounting and stabilizing means therefor. C. L. Norden. 2,585,579, Feb. 12.
Microwave dynatron. A. M. Skellett and L. E. Loveridge. 2,585,860, Feb. 12.
Microwave filter. O. J. Zobel. 2,623,120, Dec. 23.
Microwave frequency modulated transmitter. R. V. Pound. 2,589,861, Mar. 18.
Microwave generator. F. Lüdi. 2,602,146, July 1.
Microwave generator. F. Lüdi. 2,607,905, Aug. 19.
Microwave heating. F. A. Gross. 2,612,596, Sept. 30.
Microwave spectroscopy. W. D. Hershberger. 2,602,835, July 8.
Microwave tube. M. Ruderfer. 2,611,104, Sept. 16.
Middlings purifier. C. H. Morrison. 2,615,570, Oct. 28.
Mildewproof cellulose produced by reaction with chlorobenzyl quaternary ammonium salts. M. Couper. 2,609,270, Sept. 2.
Mileage lubrication indicator. A. R. Boates. 2,601,838, July 1.
Miles per gallon indicator apparatus. T. O. Zschokke and H. H. Chappell. 2,621,513, Dec. 16.
Military burner unit, Portable. J. L. Breese. 2,595,448, May 6.
Military campaign game board and pieces. W. W. Powell. 2,610,060, Sept. 9.
Military convoy control signal. J. J. Wilkes. 2,602,115, July 1.
Milk bottle capping head, Sanitary. R. E. Bodendoerfer, D. C. Fee, and H. C. Frentzel. 2,591,501, Apr. 1.
Milk bottle holder. E. M. Navarro. 2,609,987, Sept. 9.
Milk can cooler. H. W. Houseweart. 2,588,927, Mar. 11.
Milk can cover. R. B. Walsh and R. J. Sims. 2,613,014, Oct. 7.
Milk can handling device. K. A. E. Luomala. 2,606,732, Aug. 12.
Milk can holder. J. F. Connor. 2,597,295, May 20.
Milk can rack. R. L. Meyers. 2,620,073, Dec. 2.
Milk can support. H. J. Easton. 2,621,883, Dec. 16.

Milk cooler. R. C. Shipman. 2,618,127, Nov. 18.
Milk cooler. O. H. Wennlund. 2,610,035, Sept. 9.
Milk cooling attachment for milking machines. E. E. Lundvall, R. W. Becker, and C. Eckstein. 2,610,034, Sept. 9.
Milk delivery can with enclosed dispensing tube. W. Tamminga. 2,622,772, Dec. 23.
Milk product method of manufacture. R. E. Meade. 2,602,746, July 8.
Milk product process of manufacture. R. E. Meade. 2,602,747, July 8.
Milk protein products and process. E. P. Partridge. 2,582,353, Jan. 15.
Milk pump. L. A. Mapes. 2,618,225, Nov. 18.
Milk receiving and discharging unit. G. W. Berry. 2,583,723, Jan. 29.
Milk substitutes. S. G. Wiechers. 2,604,403, July 22.
Milk weighing and handling apparatus. E. J. Merow. 2,618,410, Nov. 18.
Milker claw. H. A. Sherwood. 2,585,178, Feb. 12.
Milking and handling the milk of farm animals. G. R. Duncan. 2,617,383, Nov. 11.
Milking barn. R. R. Graves. 2,610,608, Sept. 16.
Milking domestic farm animals and for temporarily storing milk and cooling it. G. R. Duncan. Re. 23,544, Sept. 2.
Milking machine. D. F. Ayres. 2,587,680, Mar. 4.
Milking machine. J. A. Kingston. 2,608,951, Sept. 2.
Milking machine. E. B. Thompson. 2,606,523, Aug. 12.
Milking machine hanger. L. F. Fasching. 2,602,621, July 8.
Milking machine teat cup assembly. J. L. Davis. 2,612,136, Sept. 30.
Milking machine trap. W. H. Harstick. 2,581,530, Jan. 8.
Milking plant. H. S. Palmer. 2,593,597, Apr. 22.
Milking process. R. R. Graves. 2,616,809, Nov. 4.
Milking structure. G. R. Duncan. 2,617,382, Nov. 11.
Milking system and apparatus therefor. G. R. Duncan. Re. 23,543, Sept. 2.
Milking system, Pipe line. S. Daily, R. M. Lathrop and O. E. Hintz. 2,606,524, Aug. 12.

Mill: *See*—

- Air swept partitioned tube mill.
- Automatic twin bar-bridge bench piercer mill.
- Cane mill.
- Casing mill.
- Centrifugal mill.
- Combination disk and impact grinding mill.
- Continuous rolling mill.
- Enclosed rolling mill.
- Extrusion mill.
- Grinding mill.
- Ring rolling mill.
- Roller grinding mill.
- Roller mill.
- Rolling mill.
- Rotary grinding or drying mill.
- Screening mill.
- Sugar cane mill.
- Tube mill.
- Vertically arranged hammer mill.
- Vibratory and rotary ball mill.
- Wire rolling mill.

Mill for reducing metal stock. G. B. Coe. 2,594,126, Apr. 22.
Mill hammer with removable tip. C. Le Blanc. 2,605,972, Aug. 5.
Mill roll stand. L. W. Rosellus. 2,581,711, Jan. 8.
Milling and boring machine. J. B. Armitage and O. W. Barker. 2,605,678, Aug. 5.
Milling attachment for lathes. W. H. Quinn. 2,608,909, Sept. 2.
Milling cutter. T. S. See. 2,607,108, Aug. 19.
Milling frangible material. F. Swinehart. 2,593,811, Apr. 22.
Milling machine. J. B. Armitage. 2,605,677, Aug. 5.
Milling machine and impeller wheel manufacture. H. C. Stieglitz. 2,585,973, Feb. 19.
Milling machine and method. T. S. See. 2,615,371, Oct. 28.
Milling machine, High-speed. T. S. See. 2,604,018, July 22.
Milling machine spindle axial shift control. E. E. Coffin. 2,615,372, Oct. 28.
Milling machine transmission control mechanism. R. K. LeBlond and H. C. Kemper. 2,591,268, Apr. 1.
Mimeograph stencil signature shield. T. F. McCarthy. 2,584,806, Feb. 5.
Mimic diagram panel. R. B. Thorp. 2,611,018, Sept. 16.
Mimic diagram panel for railway and other indication systems. L. H. Peter and E. A. Sheppard. 2,591,865, Apr. 8.
Mine cage safety device. G. E. Gagnon. 2,586,217, Feb. 19.
Mine car. C. A. Boyd. 2,612,119, Sept. 30.
Mine car sealing device. R. E. Jones. 2,598,797, June 3.
Mine car sealing device. H. W. Sanford. 2,602,404, July 8.
Mine car sealing device. H. W. Sanford, Jr., and A. F. Sanford, II. 2,602,402, July 8.
Mine door structure. A. Shacikoski. 2,621,725, Dec. 16.
Mine dredger, Endless digger type. J. L. Roe. 2,597,036, May 20.
Mine shaft mucking apparatus. C. F. Osgood. 2,593,693, Apr. 22.
Mine shuttle car. C. F. Ball. 2,589,217, Mar. 18.
Mine timber setting machine. J. R. McFarland and G. A. Long. 2,603,373, July 15.
Miner's lamp. G. Wheat and A. G. Davis. 2,608,849, Sept. 2.
Mining apparatus. J. F. Joy. 2,581,667, Jan. 8.
Mining apparatus. A. L. Lee. 2,612,363, Sept. 30.
Mining drill. E. J. Huckshold. 2,595,525, May 6.
Mining drill. E. J. Huckshold. 2,610,829, Sept. 16.
Mining machine. A. Anderson. 2,592,996, Apr. 15.
Mining machine. F. Cartlidge. 2,619,339, Nov. 25.
Mining machine. C. E. Compton. 2,616,677, Nov. 4.
Mining machine. E. D. M. Gullick. 2,600,640, June 17.
Mining machine. L. D. Hagenbook. 2,612,361, Sept. 30.
Mining machine. J. B. Mavor. 2,580,569, Jan. 1.
Mining machine. F. B. Miller. 2,614,822, Oct. 21.
Mining machine. W. W. Sloane. 2,597,040, May 20.
Mining machine. L. F. Trenczak. 2,598,948, June 3.
Mining machine, bit and block. A. O. Bruestle. 2,613,069, Oct. 7.
Mining machine, Coal. T. W. Tutwiler, II. 2,592,358, Apr. 8.
Mining machine head. C. E. Compton. 2,594,256, Apr. 22.
Mining soluble salts. C. A. Butler, Jr. 2,618,475, Nov. 18.
Mineral oil composition. J. J. Giammarla. 2,616,852, Nov. 4.
Mineral oil composition. H. D. Hartough. 2,606,154, Aug. 5.
Mineral oil composition. J. F. Socolofsky and R. V. White. 2,592,204, Apr. 8.
Mineral oil composition containing alcohol and amine derivatives of maleic anhydride-itaconic acid ester copolymers as pour point depressants and viscosity index improvers. J. J. Giammaria. 2,616,853, Nov. 4.
Mineral oil composition containing a polymericalkyl metaphosphimate. F. P. Otto and R. W. Barrett. 2,580,587, Jan. 1.
Mineral oil composition containing esters of product obtained by reaction between maleic anhydride and vinyl acetate. J. J. Giammaria. 2,616,851, Nov. 4.
Mineral oil compositions. L. E. Beare. 2,594,279, Apr. 29.
Mineral oil compositions. L. E. Beare, M. P. Kleinholz, and W. S. Hoock. 2,619,462, Nov. 25.
Mineral oil compositions. A. G. Rocchini. 2,588,412, Mar. 11.
Mineral oil compositions. A. G. Rocchini. 2,604,451, July 22.
Mineral oil compositions. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,606,152, Aug. 5.
Mineral oil compositions containing esters of thiophene-modified copolymers of maleic anhydride with aliphatic vinyl compounds. J. J. Giammaria. 2,615,844, Oct. 28.
Mineral oil, Stabilized. H. W. Rudel and A. D. Kirshenbaum. 2,595,170, Apr. 29.
Mineral separating apparatus. P. R. Yewell. 2,600,600, June 17.
Mineral separation. J. Colin, R. Burr, and A. Gafanesch. 2,590,756, Mar. 25.
Mineralized bituminous roofing. H. W. Greider and G. A. Fasold. 2,610,928, Sept. 16.
Miniature airplane with balancing weight. N. E. Walker. 2,599,957, June 10.
Miniature bowling game and ash tray. J. D. Nagel and W. Lang. 2,589,725, Mar. 18.
Miniature combination wind sock and anemometer. A. K. Grinley. 2,617,298, Nov. 11.
Miniature cotton bale receptacle. P. E. Bagur. 2,584,414, Feb. 5.
Miniature coupler. R. B. Goode. 2,617,541, Nov. 11.
Miniature phone plug. G. O. Puerner. 2,610,223, Sept. 9.
Miniature tube holder. M. R. Alexy. 2,585,072, Feb. 12.
Minimizing facial senescence. A. M. Brown. 2,619,084, Nov. 25.
Minnow boot. G. R. Shadley and W. L. Martin. 2,616,207, Nov. 4.
Minnow bucket. J. Cuff. 2,601,738, July 1.
Minnow bucket. L. S. Huffman and A. B. Justin. 2,594,172, Apr. 22.
Minnow dipper. J. F. Sears. 2,611,982, Sept. 30.
Minnow transport container. C. C. Campbell. 2,590,376, Mar. 25.
Minnow trap. W. R. Mann. 2,602,261, July 8.
Mirror. S. G. Malby. 2,582,786, Jan. 15.
Mirror and retractor, Dental. H. S. Harvey. 2,582,121, Jan. 8.
Mirror and supporting handle, Hand. J. F. Barnes. 2,584,829, Feb. 5.
Mirror apparatus, Rearview. D. E. Reed. 2,599,412, June 3.
Mirror assembly and mounting means, Rearview. R. N. Fulge. 2,613,575, Oct. 14.
Mirror assembly, Rearview. F. J. Couch. 2,605,676, Aug. 5.
Mirror assembly, Rearview. D. M. Morgenstern. 2,604,818, July 29.
Mirror assembly, Reversible rearview. D. M. Morgenstern. 2,594,056, Apr. 22.
Mirror device, Adjustable hairdressing and apparel grooming. M. I. Howe. 2,606,479, Aug. 12.
Mirror, Dual vision rear view. J. G. Peterson. 2,582,651, Jan. 15.
Mirror, Exterior rearview controlled. R. Goldstein. 2,585,308, Feb. 12.
Mirror, Flashlight. F. Novak. 2,621,282, Dec. 9.

Mirror for motor vehicles, Adjustable two-sided reflecting. S. D. Lark. 2,607,273, Aug. 19.
Mirror holder device, Body supported. M. A. Amer. 2,583,803, Jan. 29.
Mirror means for gas jet viewer for oven gas flames. A. Palatnick. 2,597,667, May 20.
Mirror mounting structure. T. C. Whitehead. 2,599,306, June 3.
Mirror, Nonblurrable rear-vision. A. E. Goodman and L. R. Brown. 2,588,825, Mar. 11.
Mirror, Radio. N. M. Rust and M. C. Gregory. 2,617,030, Nov. 4.
Mirror, Rearview. P. E. Prutzman. 2,585,273, Feb. 12.
Mirror, Signaling. R. S. Hunter. 2,594,310, Apr. 29.
Mirror signaling device. C. H. Learned. 2,589,618, Mar. 18.
Mirror, Spot lamp. H. C. Mead. 2,585,399, Feb. 12.
Mirror support. E. W. Garrett. 2,607,553, Aug. 19.
Mirror support with light, Body attached rearview. E. J. O'Brien. 2,598,291, May 27.
Mirror supporting means. T. C. Whitehead. 2,596,632, May 13.
Mirror tray, Adjustable automobile. A. A. Geis. 2,623,435, Dec. 30.
Mirrors, Producing. A. M. Franza. 2,614,943, Oct. 21.
Missile. S. N. Arnold. 2,604,045, July 22.
Missile launcher. E. C. Walker, R. B. Elliott, and J. D. Bascom. 2,604,014, July 22.
Miter box with spring-pressed roller saw guide. C. G. Hunt. 2,618,299, Nov. 18.
Miter gauge. B. C. Denney. 2,598,979, June 3.
Miter guide for power saws. B. B. Avery. 2,595,322, May 6.
Miter square. G. R. Ratcliff. 2,606,368, Aug. 12.
Mitering tool. H. D. Drain. 2,613,740, Oct. 14.
Mitten. H. Woller-Duff. 2,593,378, Apr. 15.
Mitten for babies, Teething. M. A. Bryson. 2,586,608, Feb. 19.
Mix selector control. B. Noble. 2,607,579, Aug. 19.
Mixed borides. H. R. Montgomery. 2,613,154, Oct. 7.
Mixed cellulose ether. C. L. P. Vaughan. 2,618,635, Nov. 18.
Mixed cellulose ether and preparation thereof. E. D. Klug. 2,618,632, Nov. 18.
Mixed diluent system for copolymerization of styrene and isobutylene. G. E. Jasper and L. M. Welch. 2,615,004, Oct. 21.
Mixed fertilizers, Manufacture of. C. H. Davenport and W. R. Horn. 2,618,547, Nov. 18.
Mixed glycerol esters and their acylation products. E. M. Filachione, M. L. Fein, and C. H. Fisher. 2,584,998, Feb. 12.
Mixed modulation in pulse intercommunication systems. E. M. Deloraine and A. H. Reeves. 2,610,254, Sept. 9.
Mixed polycarboxylic acid esters of alkylidene glycols and polymers thereof. T. W. Evans, D. E. Adelson, and L. N. Whitehill. 2,612,491, Sept. 30.
Mixed triglycerides. F. J. Baur. 2,615,160, Oct. 21.
Mixer: *See*—
- Automatic beverage mixer.
- Bottled beverage mixer.
- Bubble bath mixer.
- Continuous mixer.
- Drink mixer.
- Electronic signal mixer.
- Flashback-proof gas mixer.
- Folding electric food mixer.
- Food mixer.
- Gas mixer.
- Household food mixer.
- Injection mixer.
- Liquid mixer.
- Molasses mixer.
- Motor control circuit mixer.
- Mud and chemical mixer.
- Paint mixer.
- Portable trailer mixer.
- Refrigerated dough mixer.
- Rotary mixer.
- Rubber mixer.
- Signaling drink mixer.
- Transit concrete mixer.
- Ultrahigh frequency mixer.

Mixer. G. E. Gard and W. H. Phillips. 2,596,672, May 13.
Mixer. W. B. Kochner and D. F. McCarron. 2,585,255, Feb. 12.
Mixer and circuits therefor, Vacuum-tube. M. A. H. El-Said. 2,593,281, Apr. 15.
Mixer device. P. F. Otto and E. H. Warne. 2,602,697, July 8.
Mixer feeder for flour mills. C. A. Pyle and C. A. Roulston. 2,614,817, Oct. 21.
Mixer for frozen desserts. W. C. Kelley and H. C. Phillips. 2,611,588, Sept. 23.
Mixer-muller. J. T. Parisi. 2,610,373, Sept. 16.
Mixing and coprecipitating a polysulfone resin latex with another latex. W. W. Crouch. 2,593,414, Apr. 22.
Mixing and dispersing device. P. Willems. 2,619,330, Nov. 25.
Mixing and flow controlling valve. J. F. Ovary. 2,601,053, June 17.
Mixing and homogenizing apparatus. W. R. Kinnaird. 2,592,709, Apr. 15.
Mixing and kneading machine. H. T. Lamb. 2,608,941, Sept. 2.
Mixing apparatus. L. E. Mylting. 2,594,975, Apr. 29.
Mixing apparatus. M. Plunguian and J. L. Riley. 2,584,225, Feb. 5.
Mixing apparatus. M. E. Price. 2,601,320, June 24.
Mixing apparatus and method. C. L. Day and L. F. Pahl. 2,596,987, May 20.
Mixing apparatus for insecticides. A. W. Gustafson. 2,599,825, June 10.
Mixing attachment. A. I. Podell. 2,610,513, Sept. 16.
Mixing circuit. B. G. Dammers. 2,617,017, Nov. 4.
Mixing circuit. J. M. L. Janssen. 2,611,093, Sept. 16.
Mixing circuit. R. F. Post. 2,602,889, July 8.
Mixing circuit arrangement. A. van Weel. 2,582,726, Jan. 15.
Mixing circuit for decimeter and centimeter waves. K. S. Knol and G. Diemer. 2,617,016, Nov. 4.
Mixing detector circuit arrangement. A. J. W. M. van Overbeek. 2,617,022, Nov. 4.
Mixing device. O. R. Smith. 2,600,932, June 17.
Mixing device. E. H. Thompson. 2,588,591, Mar. 11.
Mixing device for water lines. P. F. Otto and E. H. Warne. 2,602,699, July 8.
Mixing equipment. R. D. Boutros. 2,612,391, Sept. 30.
Mixing faucet. F. M. Iannelli. 2,599,997, June 10.
Mixing granular materials. A. C. Reents and D. M. Stromquist. 2,605,084, July 29.
Mixing machine. I. M. E. Aitken. 2,584,525, Feb. 5.
Mixing machine. P. August. 2,608,395, Aug. 26.
Mixing machine. A. A. Furczyk. 2,603,558, July 15.
Mixing machine. A. F. Kipper. 2,589,615, Mar. 18.
Mixing machine. P. Marienthal. 2,603,461, July 15.
Mixing machine. E. A. Reiffen. 2,592,334, Apr. 8.
Mixing materials, Method and apparatus for. C. B. Ciotworthy, Jr. 2,592,245, Apr. 8.
Mixing mechanism for liquid and beverage dispensing apparatus. D. Reynolds. 2,585,172, Feb. 12.
Mixing method and package. L. Peters. 2,598,595, May 27.
Mixing or detector circuit. G. Diemer and K. S. Knol. 2,623,167, Dec. 23.
Mixing or kneading machine. H. T. Lamb. 2,600,117, June 10.
Mixing plant. B. Noble. 2,607,555, Aug. 19.
Mixing polyethylene with asphalt bitumens. J. C. Derksen and F. M. Jacobs. 2,610,956, Sept. 16.
Mixing pump. M. B. Sennet. 2,581,451, Jan. 8.
Mixing rubber. J. B. Paton and F. J. Chandler. 2,617,782, Nov. 11.
Mixing substances. B. E. Hirshon. 2,580,780, Jan. 1.
Mixing system. H. N. Jenks. 2,589,261, Mar. 18.
Mixing target for combustion chambers having means to retard radial outward movement. R. H. Goddard. 2,606,421, Aug. 12.
Mixing torpedo for plastics extruders. F. E. Dulmage. 2,607,077, Aug. 19.
Mixing unit for refrigerators. R. G. Taecker. 2,596,876, May 13.
Mixing valve. H. D. Ahlstrom and E. N. Foltz. 2,608,350, Aug. 26.
Mixing valve. C. D. Branson. 2,584,417, Feb. 5.
Mixing valve. C. D. Branson. 2,584,420, Feb. 5.
Mixing valve. N. L. Heikes. 2,609,146, Sept. 2.
Mixing valve. F. E. Obermaier. 2,620,133, Dec. 2.
Mixing valve. F. H. Parker. 2,614,851, Oct. 21.
Mixing valve. L. H. Perry. 2,592,062, Apr. 8.
Mixing valve. G. M. Rogers and C. O. Mackey. 2,604,114, July 22.
Mixture of antioxidants for synthetic rubber. H. E. Albert. 2,605,249, July 29.
Mixture of carboxymethyl cellulose, sodium chloride, and sodium carbonate, Manufacture of. C. H. Rigby and C. A. Macinnes. 2,618,609, Nov. 18.
Mixture of phthalocyanine vat dyes and making the same. W. B. McCormack and F. B. Stilmar. 2,613,129, Oct. 7.
Mixture of surface-active materials and making same. L. T. Monson. 2,589,196–7, Mar. 11.
Mixtures comprising polyacrylonitrile and polyalkyl α-acylaminoacrylates and articles obtained therefrom. H. W. Coover, Jr., and J. B. Dickey. 2,589,055, Mar. 11.
Mixtures of rubbery butadiene-styrene copolymer, hevea rubber, and carbon black, Making. B. C. Barton. 2,623,024, Dec. 23.
Mnemonic educational means for demonstrating atomic or molecular structure and phenomena. J. M. Novak. Re. 23,587, Nov. 18.
Mnemonic educational means for demonstrating atomic or molecular structure and phenomena. J. M. Novak. 2,598,591, May 27.
Monted dog feeder. M. Sinclair. 2,584,301, Feb. 5.
Mobile bale handling equipment. E. A. Miller and E. I. May. 2,615,586, Oct. 28.
Mobile bathing and lift apparatus. L. P. Furry. 2,604,638, July 29.
Mobile cement mixer drum drive. H. A. and G. H. Wagner. 2,594,236, Apr. 22.
Mobile form and transport for cast structures. R. G. Le Tourneau. 2,593,465, Apr. 22.
Mobile post puller winch. C. F. Ball and G. C. Dalmaso. 2,606,745, Aug. 12.
Mobile, radio and wire system. E. M. Staples. 2,589,158, Mar. 11.
Mobile starch powders, Making. G. A. Krisan. 2,614,945, Oct. 21.
Mobile steam generator. R. M. Hardgrove. 2,608,938, Sept. 2.
Mobile transfer device for a litter and operating table. S. A. Waterman. 2,613,372, Oct. 14.
Mode changer. R. M. Fano. 2,619,539, Nov. 25.

Model aircraft remote control. J. P. Jones, Jr. 2,603,910, July 22.
Model airplane control. S. J. Spradlin. 2,588,891, Mar. 11.
Model airplane flight control. W. G. Eppler. 2,595,650, May 6.
Model airplane glider. P. K. Guillow. 2,595,074, Apr. 29.
Model airplane wheel structure. A. B. Maxam. 2,592,164, Apr. 8.
Model electric locomotive. W. G. Stewart. 2,599,138, June 3.
Model glider. E. A. Stark. 2,588,941, Mar. 11.
Model jet airplane. W. L. Tenney. 2,612,722, Oct. 7.
Model layout repro-templet method. H. H. Dasey. 2,610,413, Sept. 16.
Modification of annular stripper. L. A. Nicolai and B. V. Molstedt. 2,612,433, Sept. 30.
Modification of drying oils. H. S. Bloch. 2,611,788, Sept. 23.
Modification of keratin. J. W. Haefele. 2,615,782, Oct. 28.
Modification of keratin. J. W. Haefele and N. B. Tucker. 2,615,783, Oct. 28.
Modification of linear polyamides whose amide groups are separated by at least 4 carbons with N-carboanhydrides of alpha amino acids. A. K. Schneider. 2,592,473, Apr. 8.
Modification of synthetic alpha-amino acid polymers by means of N-substituted alpha-amino acid N-carboanhydrides. R. N. MacDonald. 2,592,446, Apr. 8.
Modification of the molecular structure and chemical composition of conjunct polymers. L. Schmerling. 2,602,820, July 8.
Modified alkyd resin reacted with styrene and an acrylonitrile. J. H. Daniel, Jr., and J. C. Petropoulos. 2,600,623, June 17.
Modified alkyd resins and compositions containing the same. R. W. H. Tess and T. F. Mika. 2,618,616, Nov. 18.
Modified alkyd resins from an alkyd resin and an alkoxy hydrocarbon silane. F. J. Sowa. 2,605,243, July 29.
Modified aminoplasts and products prepared therefrom. H. P. Wohnsiedler, E. L. Kropa and W. M. Thomas. 2,584,177, Feb. 5.
Modified dicyandiamide resins and preparing the same. A. F. Schmutzler. 2,606,885, Aug. 12.
Modified double solvent treatment. H. C. Myers. 2,582,883, Jan. 15.
Modified drying oils. C. H. Fisher, M. Zief, and R. C. Hockett. 2,594,303, Apr. 29.
Modified drying oils. O. L. Polly. 2,610,161, Sept. 9.
Modified electronickel, Producing. L. S. Renzoni. 2,623,848, Dec. 30.
Modified forms of alumina, Production of. L. Schmerling. 2,595,416, May 6.
Modified lard and producing same. R. J. Vander Wal and L. A. Van Akkeren. Re. 23,499, May 20.
Modified malamine-formaldehyde resins. E. F. Jackson. 2,608,546, Aug. 26.
Modified phenol-furfural molding compositions and making same. S. F. Pearce. 2,606,887, Aug. 12.
Modified resins from polystyrenes and esters of saturated aliphatic dicarboxylic acids and unsaturated alcohols. O. L. Polly. 2,609,354, Sept. 2.
Modified short oil alkyd resins. L. Auer. 2,589,657, Mar. 18.
Modified synthetic resin and paper containing the same. G. I. Kelm. 2,622,979, Dec. 23.
Modified tall oil esters and preparing the same. A. F. Schmutzler. 2,590,655, Mar. 25.
Modified weak-acid isopropanol process. E. H. Amick, Jr. 2,609,400, Sept. 2.
Modifying butter. C. H. Bettman. 2,612,454, Sept. 30.
Modifying starch with aluminum chloride and enzyme and applications of such modified starch. R. W. Kerr. 2,619,428, Nov. 25.
Modifying the physical characteristics of plastic materials, Process and apparatus for. D. E. Marshall. 2,619,680, Dec. 2.
Modifying wheat gluten. J. R. Coffman. 2,582,965, Jan. 22.
Modifying wood pulp for rapid dispersion. A. C. Nuessle and W. P. Hall. 2,606,115, Aug. 5.
Modulated light communication system. H. Mueller and R. H. Rines. 2,623,165, Dec. 23.
Modulated microwave generator. J. S. Donal, Jr., and R. R. Bush. 2,602,156, July 1.
Modulated radio frequency pulse receiver. H. Rinia. 2,586,091, Feb. 19.
Modulated signal generator. W. D. Loughlin and D. M. Hill. 2,587,493, Feb. 26.
Modulating and transmitting apparatus. D. E. Kenyon and H. M. Hammond. 2,602,136, July 1.
Modulating reflex klystrons. J. A. Hutton. 2,617,979, Nov. 11.
Modulating system. D. G. C. Hare. 2,623,952, Dec. 30.
Modulating system and apparatus. J. R. Shonnard. 2,598,612, May 27.
Modulation. B. Salzberg. 2,583,598, Jan. 29.
Modulation meter. K. D. Bailey. 2,594,274, Apr. 29.
Modulation of high-frequency energy. J. J. Stickler. 2,580,970, Jan. 1.
Modulation system. A. B. Bailey. 2,584,532, Feb. 5.
Modulation system. R. B. Dome. 2,614,246, Oct. 14.
Modulation system. L. M. Field. 2,603,772, July 15.
Modulation system. W. W. Moe. 2,580,692, Jan. 1.
Modulation system and method. W. E. Bradley. 2,590,373, Mar. 25.
Modulation system and method. B. Fox. 2,587,718, Mar. 4.
Modulation system for craft guidance. R. Proskauer. 2,602,161, July 1.
Modulator. M. J. Cohen. 2,605,345, July 29.
Modulator. E. M. Creamer, Jr., and W. P. Boothroyd. 2,601,096, June 17.
Modulator. R. M. Fano. 2,599,905, June 10.
Modulator circuit. A. B. Jacobsen. 2,591,821, Apr. 8.
Modulator for facsimile signals, Pulse type. E. R. Shenk and A. Liguori. 2,587,541, Feb. 26.
Modulator for radiosonde apparatus. W. Todd. 2,613,347, Oct. 7.
Modulator system. R. N. Harmon and R. Lee. 2,600,243, June 10.
Moistener for cotton-picking spindles. W. B. Smith. 2,616,237, Nov. 4.
Moistener for hectographic duplicating machines. F. R. Bonsch. 2,599,224, June 3.
Moistening device for motor-driven duplicating machines. H. P. Keil. 2,622,519, Dec. 23.
Moistening means for duplicators. L. A. Smitzer and H. D. Thompson. 2,608,154, Aug. 26.
Moisture-absorbing smoking pipe. A. O. Winden. 2,588,447, Mar. 11.
Moisture collecting and removing arrangement. R. L. Southern. 2,604,760, July 29.
Moisture collecting device. W. G. Anderson, Jr., and H. R. Kohlhepp. 2,614,883, Oct. 21.
Moisture control of solidified fuel. K. A. Fischer and O. F. Hecht. 2,610,113, Sept. 9.
Moisture eliminator for beehives. M. I. Taylor. 2,584,304, Feb. 5.
Moisture-proof plug connection. C. W. Savitz. 2,623,917, Dec. 30.
Moistureproof protective membrane material and making same. A. Yung and W. P. Lowden. 2,598,090, May 27.
Moistureproof sheet wrapping material, Production of. C. R. Oswin. 2,618,575, Nov. 18.
Moisture teller. H. W. Dietert and A. L. Graham. 2,594,743, Apr. 29.
Moisture tester. H. L. Campbell. 2,622,438, Dec. 23.
Moisture tester. A. B. Hilton. 2,582,629, Jan. 15.
Molasses mixer. W. B. Rundle. 2,600,333, June 10.
Molasses mixing tank. A. W. Stauffer. 2,621,904, Dec. 16.
Mold: *See*—
- Cheese mold.
- Collapsible V belt mold.
- Concrete wall mold.
- Fence post mold.
- Ice mold.
- Ingot casting mold.
- Ingot mold.
- Multiple cavity mold.
- Pipe mold.
- Pneumatic tire mold.
- Protective cap mold.
- Stemmed cherry mold.
- Tamale mold.
- Tire retreading mold.
- Tire treading mold.
- Transmission belt mold.
- Typographic mold.

Mold. A. R. Blackburn and R. E. Steele. 2,619,702, Dec. 2.
Mold. A. H. Buell. 2,583,626, Jan. 29.
Mold. J. J. Orange. 2,604,058, July 22.
Mold. W. D. Rich. 2,591,607, Apr. 1.
Mold alignment, Continuous. J. F. Jordan. 2,601,615, June 24.
Mold and making molds. A. R. Blackburn and R. E. Steele. 2,615,229, Oct. 28.
Mold and method for forming grips for golf clubs and the like. J. A. Karns. 2,604,660, July 29.
Mold and molding ceramic ware. A. R. Blackburn and R. E. Steele. 2,584,109, Feb. 5.
Moldboard apparatus. F. Scharsach. 2,620,543, Dec. 9.
Mold clamping device. J. A. Nelson. 2,587,061, Feb. 26.
Mold coating. G. R. Gardner. 2,618,530, Nov. 18.
Mold composition for precision casting and forming mold. H. Greenewald, Jr. 2,586,814, Feb. 26.
Mold conveying and handling apparatus. G. W. Zabel. 2,601,199, June 17.
Mold for bending glass plates. J. E. Jendrisak. 2,608,030, Aug. 26.
Mold for casting flexible revetment mats. F. I. Louckes. 2,594,324, Apr. 29.
Mold for casting long ingots, Double walled. P. Ostendorf. 2,591,858, Apr. 8.
Mold for casting printers' rules, leads, and the like. J. C. McCauley. 2,600,559, June 17.
Mold for electronic vulcanization. H. H. Deist and F. H. Mason. 2,581,939, Jan. 8.
Mold for forming plaques. I. H. Theis. 2,611,170, Sept. 23.
Mold for making figurines. F. M. Ward. 2,607,978, Aug. 26.
Mold for molding concrete lintels. E. O'Sullivan. 2,621,388, Dec. 16.
Mold for molding concrete ties. J. M. Wilson. 2,611,171, Sept. 23.
Mold for molding sweetmeats. C. G. M. Armand. 2,592,232, Apr. 8.
Mold for pottery ware. A. R. Blackburn and R. E. Steele. 2,584,110, Feb. 5.

Mold for pressure forming of compositions. E. A. Woznuk and R. J. Brett. 2,584,776, Feb. 5.
Mold for producing a plastic edge protector for license plates. L. T. Heln and H. Bratis. 2,602,190, July 8.
Mold for producing plastic articles without flash. J. H. F. Stewart. 2,607,080, Aug. 19.
Mold for producing sliding clasp fasteners. J. C. Siegrist. 2,589,442, Mar. 18.
Mold for rubber products and article formed therein. J. A. Talalay. 2,615,202, Oct. 28.
Mold for shaping and amalgamating food products. G. A. Minder. 2,597,592, May 20.
Mold for the fabrication of metallic chains. R. A. M. Ronceray. 2,606,348, Aug. 12.
Mold for tires. J. H. F. Kent. 2,599,841, June 10.
Mold freezing apparatus. W. E. Helse. 2,614,403, Oct. 21.
Mold machine for the manufacture of hollow glass articles, Single. A. Wyss. 2,584,524, Feb. 5.
Mold mandrel. F. L. Joy. 2,602,191, July 8.
Mold mandrel handling device. L. E. Soderquist. 2,622,274, Dec. 23.
Mold part and fastening means. J. E. Feldman and W. M. Martin. 2,582,022, Jan. 8.
Mold shakeout apparatus. M. H. Kelly. 2,597,246, May 20.
Mold trimmer. O. H. Loock. 2,614,326, Oct. 21.
Molded alumina. G. E. Comstock, 3rd. 2,618,567, Nov. 18.
Molded article. I. H. Steinhardt. 2,615,269, Oct. 28.
Molded articles from polytetrafluoroethylene, Production of. S. T. Deakin. 2,602,962, July 15.
Molded articles. Manufacture of. G. W. Borkland. 2,613,397, Oct. 14.
Molded pulp container. W. J. Schwertfeger. 2,591,471, Apr. 1.
Molded roof structure and its production. R. W. Rumble. 2,598,607, May 27.
Molded, solid, porous building and insulation bodies, Production of. S. Klenow. 2,602,985, July 15.
Molded stop mechanism for sliding clasp fasteners. E. E. Day. 2,599,165, June 3.
Molded structure, Self-supporting. G. E. Gagnier. 2,601,512, June 24.
Molded tubular body. G. Alexander and R. T. Walsh. 2,594,838, Apr. 29.
Molding and assembling method and apparatus. C. J. Lind. 2,591,564, Apr. 1.
Molding apparatus. M. M. Barton. 2,600,958, June 17.
Molding apparatus. S. Flam. 2,594,760, Apr. 29.
Molding apparatus. L. L. Johnston. 2,613,410, Oct. 14.
Molding articles. H. Z. Gora. 2,593,438, Apr. 22.
Molding buttons having multicolored surfaces. S. Silberkraus. 2,602,192, July 8.
Molding by thermoplastic injection, Multiple. K. W. Spillman. 2,587,070, Feb. 26.
Molding clip. O. J. Poupitch. 2,618,998, Nov. 25.
Molding composition, including a novolac, hexamethylene tetramine, boric acid and lime or magnesia. J. H. Williams and T. Ward. 2,606,888, Aug. 12.
Molding composition suitable for phonograph records comprising tough polyvinyl acetal resin and petroleum-hydrocarbon insoluble resinous wood extract. G. F. Metz. 2,599,570, June 10.
Molding compositions. A. F. Roche and R. M. Price. 2,588,660, Mar. 11.
Molding compositions containing two-stage phenol-aldehyde resins and an alkaline earth metal borate. T. Ward and J. H. Williams. 2,606,889, Aug. 12.
Molding compositions from cellulose, formaldehyde, hydrocarbon, and alkali. E. Hene. 2,589,941, Mar. 18.
Molding compositions of vinyl aromatic resins. H. W. Wehr, Jr., and W. C. Sager, Jr. 2,619,478, Nov. 25.
Molding concrete products, Method and apparatus for. C. C. Dubbs and R. E. Gosting. 2,603,850, July 22.
Molding device, Dough. J. F. Naylor. 2,608,939, Sept. 2.
Molding dishlike articles. H. H. Thompson. 2,592,080, Apr. 8.
Molding double-walled hollow concrete blocks. J. M. Wilson. 2,622,303, Dec. 23.
Molding fastener. R. L. Brown. 2,585,996, Feb. 19.
Molding fastener. W. H. Churchill. 2,610,375, Sept. 16.
Molding fastener. O. J. Poupitch. 2,618,824, Nov. 25.
Molding granules, Production of. J. L. Amos, J. L. McCurdy and A. W. Hanson. 2,601,200, June 17.
Molding in situ concrete arched structures. J. H. de W. Waller. 2,616,149, Nov. 4.
Molding insulating material. L. C. Aicher. 2,595,501, May 6.
Molding machine. E. E. Heinzelman. 2,608,721, Sept. 2.
Molding machine. L. F. Miller. 2,623,252, Dec. 30.
Molding machine. J. A. Perkon. 2,618,823, Nov. 25.
Molding machine. W. B. Roddenbery, Jr. 2,596,602, May 13.
Molding machine. R. A. Ronceray. 2,592,341, Apr. 8.
Molding machine. G. J. Van Amersfort. 2,595,996, May 6.
Molding machine and molding. L. F. Miller and L. C. Cole. 2,613,409, Oct. 14.
Molding machine and process. L. L. Jones. 2,584,712, Feb. 5.
Molding machine, Block. F. P. Jentsch. 2,583,104, Jan. 22.
Molding machine, Concrete. N. B. Randall. 2,582,161, Jan. 8.
Molding machine, Concrete block. L. T. Ferrin. 2,595,066, Apr. 29.
Molding machine, Concrete block. V. H. Michael. 2,602,981, July 15.
Molding machine, Concrete block. A. Ryner. 2,583,597, Jan. 29.
Molding machine, Concrete products. R. O. Davis. 2,581,579, Jan. 8.
Molding machine, Dough. F. F. Fox. 2,619,048, Nov. 25.
Molding machine, Extrusion. C. C. Misfeldt. 2,581,550, Jan. 8.
Molding machine for hollow stones and the like. C. G. Argarden. 2,622,301, Dec. 23.
Molding machine, Foundry. P. Kvederis. 2,599,262, June 3.
Molding machine, Injection. C. C. Gravesen. 2,585,112, Feb. 12.
Molding magnesia insulation material. R. W. Honnig. 2,609,733, Sept. 9.
Molding mop. L. S. Pugh. 2,610,346, Sept. 16.
Molding nonmetallic powders. E. Walner. 2,593,507, Apr. 22.
Molding plastic articles, Method and apparatus for. H. Z. Gora. 2,593,667, Apr. 22.
Molding powders from shellac and resinols like bhilawan shell liquid or cashew shell liquid, Manufacture of. S. Siddiqui, K. K. Sarin, and J. P. Varma. 2,615,855, Oct. 28.
Molding powders from urea and gaseous formaldehyde. R. T. K. Cornwell. 2,595,335, May 6.
Molding powders of metal character. E. Walner. 2,593,943, Apr. 22.
Molding prestressed concrete structures. J. Huddleston. 2,597,084, May 20.
Molding process. W. M. Duncan. 2,614,303, Oct. 21.
Molding process. G. C. Luchkenman. 2,596,573, May 13.
Molding propeller blades. E. V. Bitterli and M. Forrer. 2,621,140, Dec. 9.
Molding protector. H. A. Jacobs. 2,600,296, June 10.
Molding reinforced concrete elements, Method and apparatus for. W. Schröder and R. Bäuminghaus. 2,607,099, Aug. 19.
Molding threaded articles. J. L. Lay. 2,587,337, Feb. 26.
Molding tubular concrete articles. D. H. Rankin and C. E. Little. 2,614,312, Oct. 21.
Mole chisel plow attachment. R. E. Gilbert. 2,590,399, Mar. 25.
Mole trap. E. V Bailey. 2,590,489, Mar. 25.
Molecular still. W. H. Whitney. 2,585,202, Feb. 12.
Molten glass level control apparatus. J. S. Light and E. V. De Carli. 2,613,002, Oct. 7.
Molybdena-amorphous titania catalysts. K. W. Krantz. 2,605,238, July 29.
Molybdenum-containing fertilizer. A. L. Stillman. 2,590,474, Mar. 25.
Momentary contact electric switch. R. E. Smith. 2,587,399, Feb. 26.
Monalkyl diphenyl phosphate esters. H. R. Gamrath and J. K. Craver. 2,596,141, May 13.
Monazo dyestuffs. W. Widmer, E. Reich, and A. Buehler 2,620,333, Dec. 2.
Money box. A. W. Wolters. 2,613,622, Oct. 14.
Money clip. W. H. Meeker. 2,619,699, Dec. 2.
Money counting machine. T. E. Hayes. 2,612,318, Sept. 30.
Money packet. D. M. Mellor. 2,623,632, Dec. 30.
Monitoring apparatus for radio pulse transmission systems. J. H. Cook. 2,605,459, July 29.
Monitoring device. W. C. Anderson. 2,605,535, Aug. 5.
Monitoring of gas for radioactivity. W. R. Kanne. 2,599,922, June 10.
Monitoring system. J. R. Weiner. 2,589,465, Mar. 18.
Monoalkyl dicresyl phosphate esters. H. R. Gamrath and J. K. Craver. 2,596,140, May 13.
Monoazo dyestuffs. H. W. Grimmel, L. Richter, and J. F. Morgan. 2,598,661, June 3.
Monoazo-dyestuffs. M. Schmid and E. Moser. 2,621,173, Dec. 9.
Monoazo dyestuffs. W. Widmer and E. Reich. 2,620,332, Dec. 2.
Monoazo-dyestuffs of the pyrazolone series. W. Widmer, A. Fasciati, and E. Reich. 2,606,185, Aug. 5.
Monoblock connector. E. C. Quackenbush. 2,593,182, Apr. 15.
Monochloroacetic acid, Preparation of. J. A. Sonia and C. E. Lisman. 2,595,899, May 6.
Monochromator with slit reflecting mirrors in collimated light beams. S. Rosin. 2,595,706, May 6.
Monofilament screen pack. J. O. Haw and H. J. Kimbrough. 2,619,188, Nov. 25.
Mono-fuel. J. A. Hannum. 2,584,803, Feb. 5.
Monoglycerides. F. A. Norris. 2,619,493, Nov. 25.
Monolithic hollow wall. T. M. O'Neal. 2,589,021, Mar. 11.
Monomeric stable methylolphenol compositions, Preparing. H. M. Kvalnes. 2,609,352, Sept. 2.
Monomers and polymers of vinyl carbamic acid derivatives and their preparation. J. B. Dickey. 2,592,254, Apr. 8.

Monomethylol dimethyl hydantoin and dimethyl urea to shrinkproof and creaseproof cellulose fabrics. L. Beer. 2,602,018, July 1.
Monomethylol dimethyl hydantoin to shrinkproof cellulose fabrics. L. Beer. 2,602,017, July 1.
Mono-N-heterocyclic derivatives of 4,4'-diaminodiphenylsulfone. E. D. Amstutz. 2,602,790, July 8.
Monopolyphase frequency converter group. P. Letrilliart and L. Galzin. 2,585,392, Feb. 12.
Monorail carrier switch safety mechanism. J. A. Shelby. 2,590,070, Mar. 18.
Monoscope target for pickup tubes. H. B. Law. 2,588,019, Mar. 4.
Monosulfuric acid esters of polyalkylene glycols. H. Z. Lecher and T. H. Chao. 2,606,202, Aug. 5.
Mop. C. L. Duhme. 2,603,810, July 22.
Mop and broom bracket support. C. J. Verdi. 2,584,644, Feb. 5.
Mopboard, Hot-air circulating. T. E. Thorson. 2,585,703, Feb. 12.
Mop construction, Detachable dust. E. A. Smith. 2,587,913, Mar. 4.
Mop demonstrator. M. J. and A. M. Howells. 2,596,026, May 6.
Mop handle connection. C. Fatland. 2,588,971, Mar. 11.
Mop handle with relatively rotatable hand grips. A. Anderson. 2,619,308, Nov. 25.
Mophead with quick releasing mop clamp. F. E. Nezamis. 2,584,729, Feb. 5.
Mop holder and fountain spray device. L. Myshock. 2,609,236, Sept. 2.
Mop holder having a hollow handle and a retractable jaw. S. J. Care and A. Shara. 2,594,392, Apr. 29.
Mop holder having screw-operated clamping plate. J. F. Bagley, Jr. 2,621,353, Dec. 16.
Mop, Self-wringing. A. Waldrop. 2,618,001, Nov. 18.
Mop shaker, Electric. A. T. Cocchiola. 2,617,133, Nov. 11.
Mop squeezing attachment for mop pails. E. A. Twerdahl. 2,605,492, Aug. 5.
Mop-up equalizer. K. W. Pfleger. 2,607,851, Aug. 19.
Morphine derivatives and production thereof. P. Chabrier, P. R. L. Giudicelli, and C. H. Génot. 2,619,485, Nov. 25.
Mortar applicator. C. W. Sadler. 2,591,377, Apr. 1.
Mortar charge. C. N. Hickman. 2,620,732, Dec. 9.
Mortar mixer and tumbler. H. L. McClain. 2,599,852, June 10.
Mortar, Portable. R. Posey. 2,597,031, May 20.
Mortar spreader. T. Kimura. 2,580,929, Jan. 1.
Mortise butt hinge marker. T. K. Finneman. 2,596,542, May 13.
Mortised printing plates, Making. H. Oettinger, Jr. 2,596,715, May 13.
Mortising attachment for drill presses. W. N. Moss. 2,612,915, Oct. 7.
Mortising machine. C. D. Sanders. 2,622,638, Dec. 23.
Mote knife bracket. G. C. Nix. 2,580,582, Jan. 1.
Mothproof garment bag. J. J. Mintz. 2,591,277, Apr. 1.
Mothproof garment bag. J. J. Mintz. 2,619,225, Nov. 25.
Mothproofing. I. M. Rasmussen and E. F. Rogers. 2,617,747, Nov. 11.
Mothproofing resistant plastic garment bag. E. M. London. 2,584,722, Feb. 5.
Motion controlling apparatus for fuse control training. W. C. Hodgson. 2,603,886, July 22.
Motion converter. O. L. Dunlap. 2,610,510, Sept. 16.
Motion converting apparatus. A. E. Benedict. 2,622,445, Dec. 23.
Motion converting apparatus. M. C. Robinson. 2,613,551, Oct. 14.
Motion-picture apparatus with pneumatic pulldown for films. F. Waller, 2,601,347, June 24.
Motion picture film, Making. N. G. Horsky. 2,589,696, Mar. 18.
Motion-picture film recording apparatus. A. Ellett. 2,619,873, Dec. 2.
Motion-picture machine with electrically operated shutter and film operator. J. P. Dube. 2,588,813, Mar. 11.
Motion-picture photography and monitoring system for color television. L. E. Clark. 2,607,845, Aug. 19.
Motion-picture projector attachment. H. G. Weiss. 2,611,293, Sept. 23.
Motion-picture projector with framing indicator. W. Borberg. 2,607,261, Aug. 19.
Motion-picture sensitometry. J. G. Capstaff. 2,582,004, Jan. 8.
Motion-producing mechanism for wood-working machines. O. T. Hinton, Jr. 2,596,402, May 13.
Motion translating device. B. H. Snow. 2,610,520, Sept. 16.
Motion translating mechanism. A. N. Wells, B. Tocci-Guilbert, and C. W. Renstrom. 2,608,101, Aug. 26.
Motion transmission system. T. O. McCarthy. 2,581,436, Jan. 8.
Motion transmission system. T. O. McCarthy. 2,585,956, Feb. 19.
Motion transmitting arrangement. S. G. G. Landergren. 2,589,096, Mar. 11.
Motion transmitting device. E. A. Sprigg. 2,610,525, Sept. 16.
Motion transmitting mechanism. J. H. L'Abée-Lund. 2,610,410, Sept. 16.
Motive fuel converter. C. M. Thomas. 2,586,187, Feb. 19.
Motive mechanism utilizing catalytically decomposable material. R. R. Bush. 2,605,609, Aug. 5.
Motor: *See*—
Adjustable stroke hydraulic motor.
Alternating current motor.
Alternating current or direct current timing motor.
Alternating piston rotary motor.
Automatically atmospheric controlled motor.
Clutch brake motor.
Damper motor.
Diesel motor.
Display motor.
Electric motor.
Fan-cooled motor.
Fluid motor.
Fluid operated reciprocating piston type windshield wiper motor.
Fluid operated wiper motor.
Fluid pressure actuated motor.
Fluid pressure motor.
Fluid pressure operated motor.
Jet reaction motor.
Magnetic impulse motor.
Metadyne motor.
Outboard motor.
Panoramic camera spring motor.
Plural voltage motor.
Radial steam motor.
Reciprocating piston type fluid motor.
Reciprocating type fluid operable motor.
Reversible direct current motor.
Rotary motor.
Secondary clock motor.
Self-starting direct-current motor.
Self-starting synchronous motor.
Sewing machine motor.
Single phase induction motor.
Small electric motor.
Split-phase electric motor.
Spring motor.
Submersible electric motor.
Synchronous electric motor.
Synchronous motor.
Toy motor.
Valve motor.
Variable capacity rotary fluid motor.
Variable speed alternating current motor.
Variable-speed electric motor.
Vibrator motor.
Wave and tide motor.
Wind motor.
Windshield wiper motor.
Motor. J. R. Oishei and R. Deibel. 2,613,121, Oct. 7.
Motor analyzer. D. J. Ward. 2,600,088, June 10.
Motor and brake control. H. Broschke. 2,593,837, Apr. 22.
Motor and control system therefor, Fluid pressure actuated. G. T. Randol. 2,585,837, Feb. 12.
Motor and gear operated socket wrench, Fluid actuated. E. G. Boice. 2,603,997, July 22.
Motor and lubricating means therefor, Fluid operated rotary. P. H. Nast. 2,604,077, July 22.
Motor and pump assembly. J. B. Parsons. 2,622,529, Dec. 23.
Motor and pump assembly. T. T. Woodson. 2,599,307, June 3.
Motor and pump combination with shaft bearings, Wet armature. T. C. Lloyd. 2,603,161, July 15.
Motor and selector switch therefor, Electric. S. S. Brown. 2,619,621, Nov. 25.
Motor and valve assembly, Fluid. E. H. Dahlberg. 2,601,848, July 1.
Motor and valve assembly, Hydraulic. C. E. Deardorff and A. A. Meddock. 2,615,428, Oct. 28.
Motor apparatus for automatically regulating the speed of strip reeling devices, Electric. G. J. Nichols. 2,586,076, Feb. 19.
Motor block and radiator cleaning machine. C. V. Brooks. 2,622,605, Dec. 23.
Motor brake control. W. Groen. 2,615,153, Oct. 21.
Motorcar fender with movable section. T. R. Lippard and J. E. Bendure. 2,582,839, Jan. 15.
Motorcar with parking device. H. Jezler. 2,612,230, Sept. 30.
Motor carrier for automobile bumpers, Outboard. R. L. McCharen. 2,592,050, Apr. 8.
Motor carrier for grain elevators, Self-leveling. R. L. Beldin. 2,598,880, June 3.
Motor compressor, Free piston. R. Pateras Pescara. 2,581,600, Jan. 8.
Motor construction, Electric. W. P. Gallagher. 2,615,069, Oct. 21.
Motor containing wheel. E. Bolard. 2,597,436, May 20.
Motor control. W. R. Wickerham. 2,597,141, May 20.
Motor control apparatus, Three-phase. F. M. Courtney and H. H. P. Lemmerman. 2,593,987, Apr. 22.
Motor control circuit mixer. R. S. Edwards. 2,583,552, Jan. 29.
Motor control circuits. B. S. Nelson. 2,600,568, June 17.
Motor control device. R. K. Shewmon. 2,623,979, Dec. 30.
Motor control device, Molecular resistance. W. C. Robinette. 2,600,170, June 10.
Motor control, Electric. R. O. Perrine. 2,598,826, June 3.
Motor control, Electric. L. E. Thompson. 2,597,408, May 20.
Motor control equipment. P. F. Scofield. 2,607,909, Aug. 19.
Motor control for fluid pressure systems. E. C. S. Clench. 2,593,537, Apr. 22.
Motor control switch. H. C. Swan. 2,624,030, Dec. 30.
Motor control system. D. E. Abell. 2,586,284, Feb. 19.
Motor control system. E. F. Allbert and B. J. Auburn. 2,583,074, Jan. 22.
Motor control system. E. L. Harder, L. F. Stringer, R. W. Moore and R. I. Greenwood. 2,597,095, May 20.

Motor control system. S. Noodleman. 2,589,276–8, Mar. 18.
Motor control system. J. A. Walley. 2,591,390, Apr. 1.
Motor control system. A. J. Williams, Jr. 2,593,950, Apr. 22.
Motor control system and switch. C. R. Peter. 2,589,024, Mar. 11.
Motor control system for fuel pumps. R. W. Johnson. 2,589,089, Mar. 11.
Motor control system, Two-phase. A. E. Konick and N. E. Hjorth. 2,598,922, June 3.
Motor control system with dynamic braking. L. G. Riley. 2,597,183, May 20.
Motor cutout, Half. C. J. Snyder and G. R. Ericson. 2,623,617, Dec. 30.
Motorcycle and its front steering fork. E. H. Jordan. 2,596,411, May 13.
Motorcycle lock. L. E. Hinds. 2,617,288, Nov. 11.
Motorcycle simulating attachment for bicycles. L. B. Cook. 2,620,764, Dec. 9.
Motor cylinder with stroke-limiting valve, Hydraulic. C. B. Livers. 2,587,182, Feb. 26.
Motor device, Oscillatory. B. H. Smith. 2,601,174, June 17.
Motor drive for bicycles. S. P. Nemeth. 2,594,060, Apr. 22.
Motor drive for cameras. J. L. Westhaver. 2,615,347, Oct. 28.
Motor drive for sewing machines, Electric. W. J. Peets. 2,617,375, Nov. 11.
Motor drive unit for combines. W. W. Wiersig. 2,596,633, May 13.
Motor-driven blowoff valve. W. C. Schofield. 2,615,469, Oct. 28.
Motor-driven cutting and breaking machine. W. V. Cornett. 2,587,969, Mar. 4.
Motor-driven installations, Electric. A. E. R. Arnot. 2,595,749, May 6.
Motor-driven invalid's chair. E. C. Gleason. 2,592,023, Apr. 8.
Motor driven lamp hanger. T. B. Farrington and H. L. Daizell. 2,609,170, Sept. 2.
Motor-driven shaver. G. A. Seeley. 2,592,198, Apr. 8.
Motor-driven shear means. C. M. Koons. 2,621,404, Dec. 16.
Motor-driven sheep foot tamper. A. R. Marshall. 2,617,488, Nov. 11.
Motor-driven transfer tool. J. R. Boyle. 2,621,433, Dec. 16.
Motor-driven ventilating unit mounting. K. J. A. Nellvén and K. E. Hjelm. 2,619,893, Dec. 2.
Motor for bicycles, Auxiliary. A. Farinelli. 2,596,391, May 13.
Motor for fans, Electric. R. D. Moore. 2,596,783, May 13.
Motor for gyroscopes, Torque. J. E. Lundberg and H. G. Swanson. 2,592,582, Apr. 15.
Motor for internal-combustion engines, Electric starting. E. H. C. Thorpe. 2,611,274, Sept. 23.
Motor for sanding tools or the like, Electric. R. Happe. 2,606,947, Aug. 12.
Motor for toys. P. Ullmann. 2,601,908, July 1.
Motor fuel. A. R. Jones and J. O. Smith, Jr. 2,600,113, June 3.
Motor fuel. W. E. Lifson and G. W. Duncan. 2,599,338, June 10.
Motor fuel. R. V. White and P. S. Landis. 2,622,018, Dec. 16.
Motor fuels. A. Bègue. 2,596,198, May 13.
Motor generator circuit. J. K. McKendry and R. L. Garman. 2,610,315, Sept. 9.
Motor-in-wheel drive. F. E. Hawkins, R. Lapsley, and G. L. Turner. 2,608,598, Aug. 26.
Motor-light adapter for sewing machines. S. Redlich. 2,596,598, May 13.
Motor mount. W. I. Stearns. 2,604,282, July 22.
Motor mount assembly for grain conveyers and the like, Self-leveling. H. Bobrowski. 2,583,082, Jan. 22.
Motor mount, Electric. R. E. Christie. 2,601,431, June 24.
Motor mount for carding machines, Adjustable. C. F. Earnhardt. 2,592,670, Apr. 15.
Motor mounting. A. B. Nietfeld. 2,594,674, Apr. 29.
Motor-operated material handling equipment. C. J. Potter. 2,585,169, Feb. 12.
Motor or compressor, Fluid. R. Chilton. 2,603,412, July 15.
Motor or pump with collapsible chamber, Fluid. B. G. Parsons. 2,617,362, Nov. 11.
Motor overload protector terminal structure. P. C. Talmadge, J. D. Zartman, and R. E. Prouty. 2,587,789, Mar. 4.
Motor puller. J. L. Skaggs. 2,618,052, Nov. 18.
Motor-pump attachment for foot pump dental chairs. E. P. Schwartz and C. W. Meyer. 2,586,441, Feb. 19.
Motor reversing means, Electric. J. L. Bonanno and R. E. Beger. 2,581,166, Jan. 1.
Motor speed and circuit governing electrical system. S. P. Morse. 2,610,314, Sept. 9.
Motor speed control apparatus. J. J. Root. 2,599,783, June 10.
Motor speed control mechanism. H. Chireix. 2,593,656, Apr. 22.
Motor speed governor, Centrifugally operated. J. F. Young. 2,598,481, May 27.
Motor structure, Electric. G. H. Koch. 2,603,674, July 15.
Motor support. J. I. Gleekman. 2,583,695, Jan. 29.
Motor support. C. C. Scheele. 2,598,836, June 3.
Motor switch assembly. G. D. Willits. 2,590,058, Mar. 18.
Motor unit for bicycles and like vehicles. S. P. V. Platti. 2,586,082, Feb. 19.
Motor valve and positioner apparatus. R. M. Witt. 2,587,800, Mar. 4.
Motor vehicle. M. H. Toncray and F. S. Spring. 2,593,632, Apr. 22.
Motor vehicle accessory system. A. Rappl. 2,617,136, Nov. 11.
Motor vehicle bonnet-fender. C. R. Paton. 2,606,625, Aug. 12.
Motor vehicle bumper. S. Bircsak. 2,597,058, May 20.
Motor vehicle control mechanism. M. Tibbetts. 2,604,902, July 29.
Motor vehicle driver's seating arrangement. C. H. Vincent. 2,620,042, Dec. 2.
Motor vehicle engine mounting. H. J. van Doorne. 2,613,754, Oct. 14.
Motor vehicle fender and fender shield construction. J. Haltenberger. 2,613,085, Oct. 7.
Motor vehicle guard. H. N. Luby. 2,620,215, Dec. 2.
Motor vehicle mounted mower. L. D. Morse. 2,621,462, Dec. 16.
Motor vehicle oil level indicator. J. O. Raby. 2,588,761, Mar. 11.
Motor vehicle passing signal. C. J. Hopkins. 2,597,584, May 20.
Motor vehicle road map support. W. T. Haynes. 2,583,647, Jan. 29.
Motor vehicle safeguard. P. A. Fasolino. 2,588,815, Mar. 11.
Motor vehicle seat headrest. L. D. Stratton. 2,622,660, Dec. 23.
Motor vehicle trailer hitch. S. Schwork. 2,595,711, May 6.
Motor wheel and mounting strut. H. A. Sherwood. 2,588,889, Mar. 11.
Motor winding. O. E. Andrus. 2,583,804, Jan. 29.
Motor with auxiliary service pump, Outboard. H. E. Schenavar. 2,610,602, Sept. 16.
Motor with means for controlling the heat supply therefor, Hot-gas. W. J. van Heeckeren. 2,583,311, Jan. 22.
Motor with removable cover casing, Outboard. D. A. Armstrong. 2,600,181, June 10.
Motor with split pole pieces, Electric. H. A. Shumaker and E. P. Turner. 2,613,242, Oct. 7.
Motor with telescoping pistons, Compound hydraulic. J. Haller. 2,608,826, Sept. 2.
Motorized control for photographic enlargers. E. A. Petrucelli. 2,607,265, Aug. 19.
Motorized drive wheel assembly for lift trucks or the like. W. C. Stuebing, Jr. 2,613,753, Oct. 14.
Motorized pulley. D. A. Schrock. 2,615,941, Oct. 28.
Motorized stripping tool. D. W. Reno. 2,589,138, Mar. 11.
Mount for candlestick lubricators for car and locomotive wheel flanges. C. E. McMillan. 2,580,687, Jan. 1.
Mount for electron discharge devices. G. F. Elston. 2,604,604, July 22.
Mount for optical elements. C. W. Pribus. 2,611,296, Sept. 23.
Mount for oscillating materials handling equipment. A. Musschoot. 2,591,281, Apr. 1.
Mount for telescopic gun sights. J. H. Anderson. 2,585,985, Feb. 19.
Mount for telescoping gun sights. O. W. Boughton. 2,620,565, Dec. 9.
Mount for tensile testing specimens of textile material. R. R. La Torre and T. W. George. 2,608,857, Sept. 2.
Mount transfer apparatus. C. A. Young and H. E. Baker. 2,605,590, Aug. 5.
Mounting: *See*—
Adjustable automotive mirror mounting.
Adhesive window shade mounting.
Adjustable Schmidt television projector mounting.
Adjustable scraper blade mounting.
Adjustable tractor wheel mounting.
Aircraft engine mounting.
Alternator and rectifier mounting.
Artificial denture mounting.
Automobile auxiliary window mounting.
Bar mounting.
Bearing mounting.
Brake head mounting.
Carriage mounting.
Chaser mounting.
Connecting rod mounting.
Cultivator disk mounting.
Cutting tool mounting.
Disk gang mounting.
Dome mounting.
Door frame mounting.
Door mounting.
Drapery cornice dust board mounting.
Drapery mounting.
Electric contact mounting.
Electric terminal and conductor mounting.
Engine mounting.
Fender shield mounting.
Fishing spoon hook mounting.
Flexible steering wheel mounting.
Fluid coupling mounting.
Fluid damped resilient mounting.
Fluid-modified mounting.
Glow lamp mounting.
Gravity actuated door mounting.
Gun sight mounting.
Gun telescope mounting.
Handle bar mounting.

Mounting: *See*—Continued.
Headstock mounting.
Hypodermic syringe needle mounting.
Impeller mounting.
Induction coil mounting.
Initial mounting.
Jig saw blade mounting.
Journal box mounting.
Kitchen sink mounting.
List mounting.
Motor-driven ventilating unit mounting.
Motor vehicle engine mounting.
Oil filter cartridge mounting.
Ophthalmic lens mounting.
Ophthalmic mounting.
Overhead trolley wire mounting.
Pivotal mounting.
Prefocused headlamp bulb mounting.
Quick-change sizer counter switch mounting.
Radio tube socket mounting.
Railway auxiliary power plant mounting.
Railway vehicle axle mounting.
Removable window sash mounting.
Resilient mounting.
Roller-skate wheel mounting.
Sash mounting.
Shaver head mounting.
Shock absorber mounting.
Side rake tooth mounting.
Sign mounting.
Sink mounting.
Sliding door mounting.
Table leg mounting.
Tandem axle spring mounting.
Telephone light mounting.
Thermostat valve mounting.
Thermostatic controller mounting.
Vehicle wheel mounting.
Ventilator fan mounting.
Wall outlet box mounting.
Wheel gauge mounting.
Wheel mounting.
Mounting. N. E. Haslop. 2,615,213, Oct. 28.
Mounting. N. E. Lee. 2,597,878, May 27.
Mounting. N. E. Lee. 2,622,836, Dec. 23.
Mounting a castor assembly on a boat. M. G. Bittel. 2,617,139, Nov. 11.
Mounting a cutter upon earth boring bits. R. G. Peter. 2,620,686, Dec. 9.
Mounting and control means magneto for engines. E. C. Kiekhaefer. 2,612,883, Oct. 7.
Mounting and demounting of pulleys, gears, wheels, and like elements. A. Voedisch. 2,600,946, June 17.
Mounting and engine cover mounting for outboard motors. R. C. Heidner and W. B. Burkett. 2,585,774, Feb. 12.
Mounting apparatus for loud-speakers and the like. K. H. Becker. 2,595,562, May 6.
Mounting arm for sound translating device. D. J. Baker. 2,603,490, July 15.
Mounting arrangement for plated piezoelectric crystals. R. A Spears. 2,597,757, May 20.
Mounting arrangement with clutch for flash lamps and the like, Pivotal. J. C. Whelan. 2,602,879, July 8.
Mounting chassis for electrical and electronic circuit elements. A. E. Miller. 2,583,586, Jan. 29.
Mounting clamp. G. W. Lai. 2,598,704, June 3.
Mounting clip for regulators. J. B Parsons. 2,590,450, Mar. 25.
Mounting device. J. I. Austen-Walton. 2,598,206, May 27.
Mounting device. W. E. Mahaffay. 2,618,723, Nov. 18.
Mounting device for glazing units. G. A. Leighton. 2,617,159, Nov. 11.
Mounting device for television tubes. R. A. Fisch. 2,602,113, July 1.
Mounting device for wall mirrors. N. B. Jones. 2,588,009, Mar. 4.
Mounting fan shafts of blowers, Means for. D. Firth. 2,621,850, Dec. 16.
Mounting film on cards, Method and apparatus for. R. Connor and H. E. Hooe. 2,588,087, Mar. 4.
Mounting for a telephone substation ringer. J. F. Houdek, Jr. 2,608,613, Aug. 26.
Mounting for airplane wings, Resilient. E. G. Metzler. 2,603,435, July 15.
Mounting for articles. G. H. Leonard. 2,599,003, June 3.
Mounting for automobile rearview mirrors, Adjustable. D. W. Barkley. 2,588,792, Mar. 11.
Mounting for bobbin receiver for weft replenishing looms. G. C. Beatrice and K. J. Hall. 2,585,426, Feb. 12.
Mounting for character bearing members. E. S. Mix. 2,603,016, July 15.
Mounting for circuit elements. H. R. Gross and H. R. Massingham. 2,596,237, May 13.
Mounting for cutting tools. W. W. Williams. 2,621,548, Dec. 16.
Mounting for disk plows. F. B. Carney. 2,617,344, Nov. 11.
Mounting for ditching wheel excavators, Adjustable. R. N. Bennett. 2,603,008, July 15.
Mounting for drawing rolls. C. R. McGhee. 2,592,718, Apr. 15.
Mounting for driving units on motor-boats. A. G. Loofbourrow. 2,595,863, May 6.
Mounting for electrical switches. L. L. Crump and J. T. Finley. 2,614,148, Oct. 14.
Mounting for electrical units. L. W. Rittenhouse. 2,623,091, Dec. 23.
Mounting for fans and propellers, Twin blade. E. M. Turner. 2,587,247, Feb. 26.
Mounting for glass panels. O. E. Stelzer. 2,589,517, Mar. 18.
Mounting for hinged doors and the like. J. W. Turley. 2,591,979, Apr. 8.
Mounting for indicia viewing assemblies. L. S. Williams. 2,598,871, June 3.
Mounting for internal-combustion engines. A. Starts. 2,601,342, June 24.
Mounting for key buttons. W. A. Guss. 2,619,215, Nov. 25.
Mounting for liquid containers. E. M. O'Neill. 2,596,283, May 13.
Mounting for lock mechanism. E. N. Jacobi. 2,580,548, Jan. 1.
Mounting for optical apparatus, Adjustable. L. T. Sachtleben. 2,604,808, July 29.
Mounting for rearview mirrors. F. J. Mazur. 2,616,335, Nov. 4.
Mounting for recessed lighting fixtures. K. Versen. 2,614,785, Oct. 21.
Mounting for rock drills. G. M. Dick. 2,616,667, Nov. 4.
Mounting for rock drills. F. M. Slater. 2,602,638, July 8.
Mounting for roller conveyers. E. R. Henschker. 2,608,286, Aug. 26.
Mounting for rotating bodies. A. S. Krotz. 2,612,418, Sept. 30.
Mounting for slidable members. H. Michelsen. 2,607,636, Aug. 19.
Mounting for supplementary feed device for internal-combustion engines. D. E. Anderson. 2,603,466, July 15.
Mounting for the guide vanes of axial-flow compressors and turbines. A. A. Lombard and F. W. W. Morley. 2,605,997, Aug. 5.
Mounting for transmission gearing and guard. O. Cullman. 2,163,544, Oct. 14.
Mounting for tripods, Universal. S. J. Rubin. 2,586,721, Feb. 19.
Mounting for vertically movable tandem wheels. E. F. Norelius. 2,614,641, Oct. 21.
Mounting for wall forms. U. Fiorenzi. 2,580,536, Jan. 1.
Mounting for watches. H. Cane and D. M. Knowles. 2,603,942, July 22.
Mounting for wheel brake operating mechanism. G. A. Collender. 2,606,036, Aug. 5.
Mounting for windows, Explosion-type. M. Meyers. 2,621,377, Dec. 16.
Mounting frame for use with telephones, Universal. E. L. Mayo. 2,588,862, Mar. 11.
Mounting head for abrasive disks. F. L. Holford. 2,620,605, Dec. 9.
Mounting head for abrasive disks. H. E. Velt. 2,620,604, Dec 9.
Mounting lathe turrets. V. von K. Sundt. 2,616,162, Nov. 4.
Mounting lenses. A. Butler. 2,595,760, May 6.
Mounting means for bellows type thermostatically operated valve mechanisms. J. V. Giesler and P. E. Cate. 2,584,443, Feb. 5.
Mounting means for bolt-actuated switches. B. Boodakian. 2,588,080, Mar. 4.
Mounting means for chain saws and the like. R. E. Von Ruden. 2,618,350, Nov. 18.
Mounting means for electric motors. E. C. Wahlberg. 2,587,418, Feb. 26.
Mounting means for tubular members. J. Baum. 2,613,051, Oct. 7.
Mounting mirrors on dressers. R. P. Royer. 2,600,578, June 17.
Mounting of blades in compressors, turbines, and the like. G. B. R. Feilden. 2,623,728, Dec. 30.
Mounting of combustion chambers in jet-propulsion and gas-turbine power-units. G. Oulianoff. 2,592,060, Apr. 8.
Mounting of impression plates on platens. J. I. Nasmith and F. K. Daniels. 2,615,394, Oct. 28.
Mounting of movable tables on machine-tool beds. M. Philippe. 2,598,938, June 3.
Mounting of rotary cutting means for paper, card, and the like. J. E. Battersby. 2,582,522, Jan. 15.
Mounting of the drum in household graters. J. Mantelet. 2,604,916, July 29.
Mounting of the picking shafts of looms for weaving. I. S. Porter. 2,622,628, Dec. 23.
Mounting removable panels in door frames, Means for. K. B. Miller. 2,623,249, Dec. 30.
Mounting structure for grinding wheels. F. G. Krafft. 2,612,015, Sept. 30.
Mounting structure for warning and signaling illumination apparatus. A. C. Heebler. 2,585,653, Feb. 12.
Mounting structure for windows. C. C. Brooks. 2,607,454, Aug. 19.
Mounting stud for drawer pull handles. G. V. Jakeway. 2,594,027, Apr. 22.
Mouse and rat trap. W. E. Petersen. 2,604,722, July 29.
Mouse and rattrap with improved bait holder. E. L. Burwell. 2,581,628, Jan. 8.
Mouse or rat trap. J. B. Long. 2,592,302, Apr. 8.
Mousetrap. V. F. Johnson. 2,616,211, Nov. 4.
Mousetrap. A. C. Parkhurst. 2,619,766, Dec. 2.
Mouth organ with fingering selector. J. Lederfine. 2,610,538, Sept. 16.
Mouthpiece. V. J. Oddo, Jr. 2,590,118, Mar. 25.
Mouthpiece. E. Welch. 2,593,821, Apr. 22.
Mouthpiece for smokers' pipes, Universal. J. R. Darbee. 2,613,675, Oct. 14.
Mouthpiece for sound-producing devices. V. T. Hoeflich. 2,607,162, Aug. 19.

Mouthpiece protector. Disposable antiseptic telephone. A. Panken. 2,607,862, Aug. 19.
Mouthpiece, Smoker's. G. L. Johnson. 2,598,059, May 27.
Mouth-protecting device. H. P. Lee. 2,614,560, Oct. 21.
Mouth speculum and tongue support, Combined. V. J. Terre. 2,587,245, Feb. 26.
Mouth washer. E. W. Schwelkert. 2,595,491, May 6.
Movable book support. W. B. Haley, Jr. 2,615,279, Oct. 28.
Movable carriage system for phonograph mechanism and the like. J. E. Barth. 2,608,456, Aug. 26.
Movable contact base. A. B. Oday and A. C. Barr. 2,597,666, May 20.
Movable control pendant for machine tools. J. J. Rock. 2,605,988, Aug. 5.
Movable device for driving piles and the like. A. P. Jourdain. 2,600,542, June 17.
Movable doll eyes. M. Weiss. 2,604,730, July 29.
Movable form lock. F. Barney. 2,588,468, Mar. 11.
Movable gripping unit for pipe wrenches. W. H. Spirl. 2,591,887, Apr. 8.
Movable highway signal. E. A. Lleutard. 2,594,463, Apr. 29.
Movable jaw chucking device. G. Sanderson. 2,594,503, Apr. 29.
Movable magnet oscillograph. J. Baband. 2,609,410, Sept. 2.
Movable sheet production-control device with sheet guiding means. C. T. Breitenstein. 2,600,153, June 10.
Movable vane pump. S. O. Stageberg. 2,589,449, Mar. 18.
Movable water supply on cooking stove. H. P. Zimmerman. 2,620,785, Dec. 9.
Movement for animated toys. E. Fields. 2,581,584, Jan. 8.
Movement for electric timepieces. S. S. Held. 2,598,912, June 3.
Movement unit for mechanical pencils. B. M. Tapner. 2,598,083, May 27.
Movie projector safety device P. Giuffrida. 2,590,604, Mar. 25.
Moving and distributing free flowing materials. E. Rahlson. 2,618,374, Nov. 18.
Moving-coil sound recording head. A. R. Sugden. 2,606,254, Aug. 5.
Moving contact of electric switches. E. Besag and T. D. Wintle. 2,620,416, Dec. 2.
Moving filling out of the path of travel of the shuttle of a loom. J. E. Hamilton and A. L. Banister. 2,603,243, July 15.
Moving fluid, particularly for lubrication of internal-combustion engine pistons. R. H. Marchal and O. Y. Durouchoux. 2,599,851, June 10.
Moving means for cored building blocks. A. R. Falkner. 2,617,548 Nov. 11.
Moving picture projection device. H. de France. 2,582,013, Jan. 8.
Moving sign. W. F. O'Gorman. 2,608,778, Sept. 2.
Moving target detecting system. A. G. Emslie. 2,617,983, Nov. 11.
Moving target indication. D. E. Sunstein. 2,621,243, Dec. 9.
Moving target indication radar system. R. A. McConnell. 2,600,255, June 10.
Moving target pulse echo measuring system. E. K. Stodola. 2,614,250, Oct. 14.
Mower. W. J. Coultas. 2,586,918, Feb. 26.
Mower. S. W. Hayes. 2,604,748 July 29.
Mower. R. E. Van Wagner. 2,589,751, Mar. 18.
Mower and trimmer, Combined. G. D. Berdan. 2,608,043, Aug. 26.
Mower and windrower. H. R. Dean. 2,582,108, Jan. 8.
Mower attachment for tractors. J. F. Hansen. 2,618,918, Nov. 25.
Mower cutter bar guard. J. E. Novak. 2,590,788, Mar. 25.
Mower, Rotating cutting disk type. C. T. Cocklin. 2,618,920, Nov. 25.
Mower structure. C. W. Mott. 2,590,065, Mar. 18.
Mower teeth sharpener. A. W. Rinne. 2,582,607, Jan. 15.
Mowing and shrub trimming attachment for tractors. G. W. Holmes. 2,603,930, July 22.
Mowing attachment for power machinery. L. J. Winchell. 2,615,292, Oct. 28.
Mowing machine. E. Bobard. 2,587,435, Feb. 26.
Mowing machine. T. P. McCloskey, Jr. 2,582,051, Jan. 8.
Mucilaginous materials from flaxseed. D. S. Bolley and R. H. McCormack. 2,593,528, Apr. 22.
Mucking machine. A. R. Bledsoe. 2,619,243, Nov 25.
Mud and chemical mixer. L. L. Thompson. 2,585,701, Feb. 12.
Mud box. G. M. Beatty. 2,610,690, Sept. 16.
Mud density measuring device. J. R. Pettigrove. 2,598,827, June 3.
Mud pressure gauge. J. C. Conrad. 2,580,999, Jan. 1.
Mud pump valve and seat. P. M. Rea. 2,605,080, July 29.
Mud separator for steam generating units. W. Casey. 2,583,166, Jan. 22.
Mud weighing apparatus. C. R. Nichols. 2,613,530, Oct. 14.
Muff, Ear. E. Berg. 2,609,544, Sept. 9.
Muff, Skating shoe. E. Paster. 2,587,205, Feb. 26.
Muffler and heat exchanger, Combination. W. F. Hopp. 2,620,167, Dec. 2.
Muffler, Baffle type. W. C. Diehl, Jr. 2,617,490, Nov. 11.
Muffler with a plurality of expansion chambers. E. E. Bryant. 2,614,647, Oct. 21.
Muffler with a plurality of passages. S. J. Gibel. 2,600,236, June 10.
Muffler with concave baffles. C. H. Harmon. 2,609,886, Sept. 9.
Muffler with expansion chambers, Retroverted passage type. G. H. Hedrick. 2,618,354, Nov. 18.
Muffler with perforated cylinder containing inwardly and rearwardly inclined holes. W. H. Engels. 2,583,366, Jan. 22.
Muffler with sound absorbing material, Baffle type. D. J. W. Cullum. 2,613,758, Oct. 14.
Muffler with side branch chambers. G. H. Hedrick. 2,618,353, Nov. 18.
Muffler with single outlet opening elongated in a direction parallel to the axis of the inlet opening. G. H. Hedrick. 2,618,355, Nov. 18.
Muffler with tuned side branch silencing chambers. E. Ludlow. 2,580,564, Jan. 1.
Muffling mechanism for compressor valves. L. Hanson. 2,588,112, Mar. 4.
Mug, Infant's drinking. E. S. Sinaiko. 2,587,237, Feb. 26.
Mulching and grading apparatus. D. E. Barrett and C. D. Lowery. 2,611,196, Sept. 23.
Mullion. R. H. Bliss, Jr. 2,615,539, Oct. 28.
Mullion construction. E. Peremi and H. Weimann. 2,604,195, July 22.
Multianode cathode-ray tube circuit having a rapid flyback action. P. H. de Beurs. 2,617,074, Nov. 4.
Multiband antenna system. F. A. Kolster. 2,619,596, Nov. 25.
Multiband resonant system wherein each band is stepwise tunable. C. L. Richards and E. J. Glaisher. 2,591,965, Apr. 8.
Multiblades frame for sawing marble and other materials of constructive utility. L. Patella. 2,605,757, Aug. 5.
Multicathode gaseous discharge device. H. L. von Gugelberg. 2,618,767, Nov. 18.
Multicathode glow discharge device. W. A. Depp. 2,598,677, June 3.
Multicathode glow discharge device. W. A. Depp. 2,608,674, Aug. 26.
Multicathode glow discharge device. M. A. Townsend. 2,607,015, Aug. 12.
Multicellular velocity-modulated tube. R. Berterottiere. 2,584,323, Feb. 5.
Multicellular volumetric rotary machine. F. Rochefort. 2,622,569, Dec. 23.
Multichannel filter. D. L. Arenberg. 2,596,460, May 13.
Multichannel frequency selector and amplifier. M. Garbuny. 2,605,444, July 29.
Multichannel transmission system. D. B. Harris. 2,611,825, Sept. 23.
Multichannel transmitting and receiving system. L. G. Erickson and K. E. Appert. 2,621,254, Dec. 9.
Multicolor press. S. M. Innerfield. 2,591,941, Apr. 8.
Multicolor proof press. D. D. and E. O. Vandercook, and R. L. Pelland. 2,610,581 Sept. 16.
Multicolor stamping of dinnerware. W. H. Emerson. 2,613,594, Oct. 14.
Multicolored manual signal light. E. A. Warner. 2,611,019, Sept. 16.
Multicylinder hot gas reciprocating piston engine of the double-acting type. F. L. van Weenen. 2,611,235, Sept. 23.
Multicylinder rotary abutment hydraulic power converter. F. Berry. 2,614,503, Oct. 21.
Multicylinder two-cycle internal-combustion engine. O. Minder. 2,619,079, Nov. 25.
Multidelivery unit for improved train order delivery devices. W. L. White. 2,598,628, May 27.
Multiengine contra-rotating propeller drive transmission. E. F. Burton and C. S. Glasgow, Jr. 2,581,320, Jan. 1.
Multiengine safety feathering system. T. A. Wells and H. L. Relter. 2,601,902, July 1.
Multigrid amplifier with constant ratio of cathode current to anode current. E. L. C. White and R. W. Elbourn. 2,604,552, July 22.
Multilane traffic warning circuit. L. F. Mayle. 2,607,000, Aug. 12.
Multilayer photographic color film in which at least one layer contains a mixture of cyan, magenta, and yellow dye image intermediates. H. C. Harsh. 2,592,514, Apr. 8.
Multilenticular collimating gun sight device and optical system. J. H. Kurlander. 2,600,662, June 17.
Multiline telephone substation instrument and circuits. F. E. Wood and R. L. Sargisson. 2,589,180, Mar. 11.
Multimicro cut bar turner. K. O. Fellroth. 2,608,121, Aug. 26.
Multipawl feed mechanism. S. Aijala. 2,591,993, Apr. 8.
Multiple axle drive. G. W. Carlson. 2,603,108, July 15.
Multiple band turret-type tuning system. A. G. Lazzery. 2,611,807, Sept. 23.
Multiple bit tool. C. S. Weber. 2,609,019, Sept. 2.
Multiple blade variable pitch fan. E. M. Turner. 2,620,886, Dec. 9.
Multiple breech closing. E. S. Cleave and D. R. Trowbridge. 2,604,015, July 22.
Multiple bushing replacer. B. C. Hamilton. 2,596,549, May 13.

Multiple capacitor unit. B. H. Marks. 2,619,519, Nov. 25.
Multiple cavity mold. J. R. Hobson. Re. 23,564, Oct. 14.
Multiple centering support. K. C. Ferguson. 2,610,735, Sept. 16.
Multiple centrifugal separators connected in parallel. E. Feifel and R. Kemmetmüller. 2,616,520, Nov. 4.
Multiple chamber package. M. R. Fields. 2,615,448, Oct. 28.
Multiple channel electronic switch. S. Bertram. 2,594,535, Apr. 29.
Multiple checking and inspection device and system for the measurement of electrical units. J. Katzman. 2,606,231, Aug. 5.
Multiple chine boat hull. A. A. Steele. 2,595,422, May 6.
Multiple circuit control switch. W. L. Dietrich. 2,603,725, July 15.
Multiple circuit control switch. H. E. Wagner. 2,586,750, Feb. 19.
Multiple circuit controller having a universally movable single operator. I. Harter, Jr. 2,622,161, Dec. 16.
Multiple clamping disk cutter head. C. G. Pardee. 2,622,640, Dec. 23.
Multiple clutch device. H. W. Cardwell and E. R. Johnson. 2,622,714, Dec. 23.
Multiple coat hanger support. K. F. Leach. 2,609,104, Sept. 2.
Multiple compartment can. S. Rubenstein. 2,605,013, July 29.
Multiple-compartmented powder container with selective gravity dispensing means. P. F. Siewenie. 2,607,512, Aug. 19.
Multiple conductor insulated wire. R. H. Dudley and C. A. Larson. 2,581,472, Jan. 8.
Multiple control valve. R. Stevenson. 2,592,353, Apr. 8.
Multiple delayed-action switches. B. A. Ball. 2,603,729, July 15.
Multiple die cutter. R. P. Bagdigian. 2,610,684, Sept. 16.
Multiple disk filter. C. J Fusco. 2,590,242, Mar. 25.
Multiple drive window regulator. K. Rath. 2,621,541, Dec. 16.
Multiple electric circuit controller. G. H. Ruffe. 2,607,841, Aug. 19.
Multiple electric outlet. J. G. Schneider. 2,619,516, Nov. 25.
Multiple element forced air flow air heating furnace. G. B. Herbster. 2,617,406, Nov. 11.
Multiple element radioactive ray recording. S. Krasnow and L. F. Curtiss. 2,590,874, Apr. 1.
Multiple element vortical whirl ash separator. J. I. Yellott. 2,583,921, Jan. 29.
Multiple energization circuit for subscription television. M. M. Hubbard. 2,607,846, Aug. 19.
Multiple expansible pulley unit. P. B. Reeves. 2,595,203, Apr. 29.
Multiple film printer. A. W. Tondreau. 2,622,475, Dec. 23.
Multiple flash lamp. R. W. Seeger and G. P. Felts. 2,622,188, Dec. 16.
Multiple friction clutch. R. A. Carlson. 2,613,778, Oct. 14.
Multiple garment hanger. M. H. Speaker and S. Nash. 2,601,926, July 1.
Multiple garment rack. C. V. Smith. 2,593,356, Apr. 15.
Multiple gas feed system for internal-combustion engines or the like. R. K. Ensign. 2,606,108, Aug. 5.
Multiple gas turbine power plant supplying waste heat to an air preheater and a boiler in parallel. L. A. Hermitte and M. H. L. Sédille. 2,605,610, Aug. 5.
Multiple glass sheet glazing construction. F. A. Rodman. 2,583,343, Jan. 22.
Multiple glazing unit. C. D. Haven. 2,597,097, May 20.
Multiple glazing unit. H. W. Petsch. 2,587,063, Feb. 26.
Multiple governing system for turbine with automatic transfer. J. M. Baker. 2,614,229, Oct. 14.
Multiple groove variable speed transmission device. H. W. Dickerson. 2,618,162, Nov. 18.
Multiple harrow draft device. P. L. Donovan. 2,582,750, Jan. 15.
Multiple image projector. D. W. Epstein. 2,590,240, Mar. 25.
Multiple irrigation tubing. W. Sedar. 2,621,075, Dec. 9.
Multiple layer paper containing pigmented pulp and making. W. L. Craig. 2,599,092, June 3.
Multiple level dump structure. F. J. Avery. 2,581,067, Jan. 1.
Multiple line article aligning device. E. E. Lakso. 2,585,559, Feb. 12.
Multiple liquid processing container. F. Palik. 2,582,601, Jan. 15.
Multiple machine tool. A. S. Callaway. 2,619,135. Nov 25.
Multiple member animated figure device. J. A. Simpson. 2,617,232, Nov. 11.
Multiple mixing circuit for electronic detonation pickups. D. R. de Boisblanc. 2,607,215, Aug. 19.
Multiple mold continuous plastic forming machine. A. E. Willomitzer. 2,613,619, Oct. 14.
Multiple motor, hydraulic differential drive. V. E. Jewell. 2,619,799, Dec. 2.
Multiple mottler. P. Pastoret. 2,595,536, May 6.
Multiple office voice-frequency line identification system. G. T. Baker. 2,591,909, Apr. 8.
Multiple outlet fluid pump and control. L. T. Stoyke. 2,604,046, July 22.
Multiple outlet lubricating pump. O. Hajek. 2,606,496, Aug. 12.
Multiple-plunger fuel injection pump unit. R. E. Peterson. 2,589,858, Mar. 18.
Multiple port valve. L. G. Daniels. 2,605,992, Aug. 5.
Multiple position control device for aircraft. O. M. Garmon. 2,614,438, Oct. 21.
Multiple punch. A. O. Marsh. 2,587,185, Feb. 26.
Multiple radiant cell gas burner. M. A. Heller and A. J. Conti. 2,602,496, July 8.
Multiple rate valve. E. A. Buckman and T. F. Morson. 2,584,422, Feb. 5.
Multiple recording on film. A. N. Butz, Jr. 2,615,778, Oct. 28.
Multiple roller fork assembly for motorized pallets. J. A. Frischmann. 2,618,490, Nov. 18.
Multiple rolling mechanism. J. J. Ingels. 2,588,120, Mar. 4.
Multiple rotor helicopter control. J. S. Neale. 2,595,875, May 6.
Multiple scale graphic recording mechanism. F. E. Woods and W. P. Williams. 2,587,079, Feb. 26.
Multiple section piston ring. A. R. Moore and D. R. Minser. 2,620,245, Dec. 2.
Multiple sheet expanded metal air filter. G. O. Smith. 2,602,521, July 8.
Multiple sheet glazing units. J. L. Drake. 2,589,064, Mar. 11.
Multiple shingle and siding casting molds. R. B. Stuart and R. C. Livoni. 2,601,180, June 17.
Multiple spindle drill apparatus. J. L. Weaver. 2,590,283, Mar. 25.
Multiple spindle lathe. C. E. Miller. 2,614,446, Oct. 21.
Multiple spring anchor. V. I. Zuck. 2,601,217, June 17.
Multiple stage anchoring device. R. Ecuer. 2,589,484, Mar. 18.
Multiple stage processing reel. A. W. Eldman. 2,609,589, Sept. 9.
Multiple stage thread processing reel. L. A. Corey. 2,609,588, Sept. 9.
Multiple stage tow drying. W. A. Knopp and T. L. Nash. 2,598,000, May 27.
Multiple station game board. J. W. McFerran. 2,589,839, Mar. 18.
Multiple switch. M. A. Rudd. 2,597,823, May 20.
Multiple switch. F. A. Talbot. 2,593,072, Apr. 15.
Multiple thermocouple fractionating column. W. J. Podbielniak. 2,602,046, July 1.
Multiple tube, convergent line oscillator. R. M. Page. 2,602,141, July 1.
Multiple tube direct fired air-heating furnace with crown sheet cooling means. C. M. Ashley. 2,604,885, July 29.
Multiple unit fuel injection pump. N. Fodor. 2,593,550, Apr. 22.
Multiple unit self-cleaning dust filter. W. G. Martens, Jr. 2,594,957, Apr. 29.
Multiple valve body. A. G. Johnson. 2,588,983, Mar. 11.
Multiple zone testing. E. P. Halliburton. 2,609,878, Sept. 9.
Multiplex antenna distribution system. E. Lacey. 2,611,895, Sept. 23.
Multiplex communication system. M. Kalfaian and R. E. McCoy. 2,618,706, Nov. 18.
Multiplex converter. C. C. Cutler. 2,612,633, Sept. 30.
Multiplex frequency modulation system. G. J. Harmon. 2,609,535, Sept. 2.
Multiplex modulator. E. R. Kretzmer. 2,602,918, July 8.
Multiplex radio receiver. C. J. H. A. Staal. 2,616,976, Nov. 4.
Multiplex telegraph system utilizing electronic distributors. R. G. Schuler. 2,622,153, Dec. 16.
Multiplex telemetric system. F. N. Reynolds, Jr., S. Zechtzer, and M. V. Kiebert, Jr. 2,592,737, Apr. 15.
Multiplication control mechanism for calculating machines. H. Gang. 2,617,590, Nov. 11.
Multiplier printing mechanism. N. Capellaro. 2,603,414, July 15.
Multiplier-quotient register state control means. H. Gang. 2,620,979, Dec. 9.
Multiply waterproofed sheets, Making. C. R. MacDonald. 2,622,491, Dec. 23.
Multiply window bag. H. F. Shumann. 2,619,277, Nov. 25.
Multiplying and dividing machine. S. Brand and F. V. Adams. 2,615,624, Oct. 28.
Multiplying and dividing means. B. E. Phelps and G. E. Mitchell. 2,604,262, July 22.
Multiplying machine, Short-cut. S. Toorell and E. Grip. 2,611,539, Sept. 23.
Multiport rotary disk valve. W. Horodeck. 2,582,333, Jan. 15.
Multiport rotary plate valve. L. G. Daniels. 2,598,362, May 27.
Multiport water level indicator. H. E. Brelsford. 2,603,090, July 15.
Multiposition switch. H. S. Phelps, H. C. Curtis, and H. V. Maurer. 2,589,025, Mar. 11.
Multipulse voice-frequency code signaling circuit. E. P. G. Wright and M. den Hertog. 2,581,462, Jan. 8.
Multipurpose bath apparatus. M. M. Ocaña. 2,589,592, Mar. 18.
Multipurpose control valve. W. Ernst. 2,606,571, Aug. 12

Multipurpose rhythm device. E. H. W. Clayton. 2,584,554, Feb. 5.
Multirange tuning circuit. E. M. S. de Gialluly. 2,623,995, Dec. 30.
Multiroll chocolate refiner and like machines. A. A. Tunley. 2,610,800, Sept. 16.
Multirotor helicopter. C. G. Pullin and K. Watson. 2,623,711, Dec. 30.
Multirow roller bearing. P. G. Palmgren. 2,611,669, Sept. 23.
Multisection pipe protector. F. M. Gist. 2,594,550, Apr. 29.
Multisegment single cavity magnetron. C. I. Shulman and G. R. Kilgore. 2,581,607, Jan. 8.
Multispeed and multistroke fluid pressure apparatus. H. M. Stueland. 2,582,512, Jan. 15.
Multispeed gear system. W. Siegrist. 2,587,004, Feb. 26.
Multispeed phonograph drive. M. E. Hardy. 2,584,580, Feb. 5.
Multispeed record player with automatic tone arm weight compensation. B. N. Fisher. 2,608,411, Aug. 26.
Multispeed transmission. S. W. Baker and J. E. Rice. 2,588,462, Mar. 11.
Multispeed transmission and automatic transmission control. R. Chilton. 2,590,232, Mar. 25.
Multistage axial compressor and turbine. A. A. Lombard, K. I. C. Vincent, and F. W. W. Morley. 2,618,403, Nov. 18.
Multistage crystallization process. K. H. Hachmuth. 2,593,300, Apr. 15.
Multistage gas turbine blade cooling with air in high-pressure turbine stages. L. S. Mims. 2,603,948, July 22.
Multistage process for condensing hydrocarbon synthesis products. W. E. Catterall and E. O. Ohsol. 2,614,115, Oct. 14.
Multistage sleeve valve. F. H. Rued. 2,590,466, Mar. 25.
Multistage turbine disk construction for gas turbine engines. C. A. Judson, J. R. Read, and P. E. Hunter. 2,614,799, Oct. 21.
Multistage turbogenerator. L. C. Wales. 2,608,663, Aug. 26.
Multistage variable-saturation tuning system and apparatus. D. B. Post. 2,581,202, Jan. 1.
Multistation selective communication system. E. R. Evans. 2,599,904, June 10.
Multistep pulley. A. Friedman and L. Silber. 2,599,821, June 10.
Multistroke fluid operated power actuator. H. W. Trevaskis. 2,604,076, July 22.
Multitank aircraft fuel system. D. Samiran. 2,580,467, Jan. 1.
Multiunit catalytic cracking operations. J. W. Healy and C. W. Brackin. 2,614,068, Oct. 14.
Multiunit gas turbine power plant for aircraft propulsion. F. Whittle. 2,601,194, June 17.
Multivibrator. J. W. Taylor, Jr. 2,594,092, Apr. 22.
Multivibrator and impulse generator. P. J. Walsh. 2,611,890, Sept. 23.
Multivibrator circuit. L. H. Crandon. 2,605,403, July 29.
Multivibrator circuit. W. A. Miller. 2,603,751, July 15.
Multivibrator saw-tooth generator. E. H. B. Bartelink, S. W. Torode, and R. J. Walker. 2,605,406, July 29.
Multivoltage train telephone system. S. J. Bartha. 2,617,886, Nov. 11.
Munition. L. F. Fieser and E. B. Hershberg. 2,615,396, Oct. 28.
Muscle stimulator. W. E. Gilson. 2,609,499, Sept. 2.
Muscle tonus replacer. H. S. De Voe. 2,587,292, Feb. 26.
Mushroom decapping, trimming, and cutting machine. N. P. Bach. 2,617,461, Nov. 11.
Mushroom mycelium, Production of. H. Humfeld. 2,618,900, Nov. 25.
Mushroom trimming machine. J. R. Urschel and L. E. Walton. 2,621,692, Dec. 16.
Music box attachment for vending machines. W. G. Bowlus. 2,617,323, Nov. 11.
Music drafting apparatus. E. E. Magnuson. 2,622,333, Dec. 23.
Music printing or typewriting machine. J. M. Parker. 2,612,251, Sept. 30.
Music stand utility case. P. J. Bollettieri. 2,597,970, May 27.
Musical instrument apparatus. V. D. Degan. 2,588,617, Mar. 11.
Musical instrument construction. G. A. Finder. 2,588,101, Mar. 4.
Musical instrument employing continuously moving member. A. F. Knoblaugh. 2,586,664, Feb. 19.
Musical sound generating device. M. Martenot. 2,613,568, Oct. 14.
Mustard and catsup dispenser. C. O. Nieland. 2,605,022, July 29.
Mustard and catsup dispenser. F. A. J. Toman. 2,599,955, June 10.
Mutual inductance system. O. H. Huston. 2,614,164, Oct. 14.
Muzzle device for shotguns. R. M. Cutts. 2,602,255, July 8.
Mycosubtilin and its production. R. B. Walton and H. B. Woodruff. 2,602,767, July 8.
N-aliphatic morpholines, Preparation of. R. A. Reck. 2,597,260, May 20.
N-alkylamino-methyl-phenyl-propane and preparing same. W. F. Bruce, J. L. Szabo and S. Tubis. 2,597,445, May 20.
N-alkylaminopropiophenones. E. L. Engelhardt. 2,582,587, Jan. 15.
N-alkyl aminosalicylamides. K. A. Jensen and K. G. Rosdahl. 2,608,580, Aug. 26.
N-alkyl arylamines, Preparation of. F. J. Sprules and J. B. Bell, Jr. 2,608,584, Aug. 26.
N-alkyl-n-(sulfophenylthio) alkylaminoanilines. W. H. Vinton. 2,603,657, July 15.
N-alkyl piperidyl alkyl esters of diphenyl acetic acid and 9-fluorenyl carboxylic acid. R. R. Burtner and J. M. Brown. 2,607,777, Aug. 19.
N-alpha mercapto acetyl amino aryl compounds. U. Weiss. 2,607,789, Aug. 19.
N-aminoalkylmorpholine viscosity stabilized polyamide and making same. F. K. Watson. 2,585,199, Feb. 12.
N-amylsulfamyl benzoic acids. J. M. Sprague. 2,608,508, Aug. 26.
N-benzylsulfamyl benzoic acid. J. M. Sprague. 2,608,510, Aug. 26.
N-(beta-N'-phenyl-N'-benzylaminoethyl pyrrolidine. H. Hopff, H. Spaenig, and C. Schuster. 2,623,880, Dec. 30.
N-carboanhydrides of alpha amino acids and polyamides. C. W. Tullock. 2,608,548, Aug. 26.
N-carboanhydrides of beta-amino acids of at least four carbons having nonaromatic, only singly bonded alpha carbon. H. E. Winberg. 2,600,596, June 17.
N-(dialkylaminoalkyl)phenthiazine theophylline acetates and preparing the same. R. J. Horclois. 2,595,853, May 6.
N-dimethylaminoethyl-9-methylacridan and acid addition salts thereof. J. Mills. 2,586,370, Feb. 19.
N-disubstituted-amino t-hydroxy ketones. R. S. Wilder and D. F. Herman. 2,580,494, Jan. 1.
N-(5-halo-2-thenyl) substituted ethylenediamines. L. P. Kyrides. 2,581,869, Jan. 8.
N-fluoroalkyl-n-vinylalkanamides and preparation thereof. H. W. Coover and J. B. Dickey. 2,585,230, Feb. 12.
N-glycosido benzimidazoles and preparation. D. H. Hoffman. 2,606,187, Aug. 5.
N-heterylalkyl-isobutyl-(2-thienyl) acetonitriles and preparation thereof. A. W. Ruddy. 2,615,894, Oct. 28.
N - mercuri - 1,2,3,6 - tetrahydro - 2,6, - endomethano - 3,4,5,6,7,7 - hexachlorophthalimide. M. Kleiman. 2,598,562, May 27.
N-methyl-N-cinnamyl-2-phenylpropylamine. R. S. Shelton. 2,595,372, May 6.
N-mono-substituted sulfenamides, Producing. G. Alliger. 2,581,921, Jan. 8.
N,N-dialkyl morpholinium alkyl-sulfates. J. B. Niederl and M. E. McGreal. 2,602,791, July 8.
N,N-dialkyl-quinoline-4-carboxamidines. R. Baltzly and E. Lorz. 2,620,341, Dec. 2.
N,N - di(β - carboalkoxyalkyl) alkylbenzene sulfonamides and their use as polyvinyl chloride plasticizers. J. Dazzi. 2,591,518, Apr. 1.
N,N-disubstituted-beta-halo-alkylamines. J. F. Kerwin and G. E. Ullyot. 2,599,000–1, June 3.
N,N''-dibenzyl-N,N',N''-trialkyl-dialkylene triamines. W. W. Williams and A. F. Strobel. 2,619,502, Nov. 25.
N-organolead-2,3-dihydrophthalazine-1,4-diones. W. B. Ligett, R. D. Closson, and C. N. Wolf. 2,595,798, May 6.
N(p-aminophenyl)hexamethylenimines. M. S. Raasch. 2,612,500, Sept. 30.
N-substituted amino-ethanols. J. F. Kerwin and G. E. Ullyot. 2,597,247–8, May 20.
N-(substituted-aminoethyl) 4-amino-benzoic acid diethylaminoethyl esters. A. Schlesinger, N. Weiner, and S. M. Gordon. 2,623,045, Dec. 23.
N-substituted aminomethylsulfonic acids, Preparation of. H. D. Hartough. 2,609,374, Sept. 2.
N-substituted-beta halo-ethyl amines. J. F. Kerwin and G. E. Ullyot. 2,600,301, June 10.
N-substituted derivatives of aminophenols, Preparing. R. S. Vaughn and F. R. Bean. 2,618,657, Nov. 18.
N-substituted ethylene thioureas. R. S. Vaughn and F. R. Bean. 2,596,742, May 13.
N-substituted formamidines. J. G. Erickson. 2,615,023, Oct. 21.
N-substituted 4,6-diamino metanilic acids and the corresponding nitro derivatives. R. C. Gunther. 2,611,785, Sept. 23.
N-substituted nitrogen heterocyclic bases, Preparation of. D. D. Reynolds and W. O. Kenyon. 2,581,443, Jan. 8.
N-substituted-2,5-dimethyl-2,5-dicyanopyrrolidines. P. L. De Benneville and J. S. Strong. 2,580,738, Jan. 1.
N-thio bis N-tetrahydrofurfuryl- and tetrahydrothenylamines. R. O. Zerbe. 2,598,333, May 27.
N(thiophenalkyl) arylamines. J. H. McCracken. 2,584,278, Feb. 5.
N - (3,4- dialkoxyphenylacetyl) - 3',4' - dialkoxyphenalkylamines, Preparation of. F. B. Zienty. 2,608,581, Aug. 26.
N,2-carboalkoxyethyl derivatives of alpha-amino acids and of acylated alpha-amino acids. L. L. McKinney, E. H. Uhing, E. A. Setzkorn and J. C. Cowan. 2,607,797, Aug. 19.
N-[2-methoxy - 3 - (α,β - dicarboxyethylmercaptomercuri)-propyl]-O-carboxymethylsalicylamide. R. S. Shelton, J. L. Farmer and C. H. Tilford. 2,601,461, June 24.

N-(2-thenyl)-substituted ethylene diamines. L. P. Kyrides. 2,581,868, Jan. 8.
N-(2-thiazolyl)-2-hydroxypyridine-5-sulfonamides. J. M. Smith, Jr. 2,611,770, Sept. 23.
Nail beam. B. B. Brown. 2,601,363, June 24.
Nail, Carpenter's. E. Sokolik. 2,613,570, Oct. 14.
Nail cutting machine. R. W. Bradley. 2,609,554, Sept. 9.
Nail distributor. W. M. Cutler, II, B. Greenough, and E. S. Kant. 2,604,624, July 29.
Nail extractor for mechanical hammers. C. J. Nissley. 2,597,594, May 20.
Nail holder. L. A. McClung. 2,599,651, June 10.
Nail or pin. E. P. Anstett. 2,593,647, Apr. 22.
Nail packaging machine. S. Otto. 2,581,042, Jan. 1.
Nail packaging machine. S. Otto. 2,602,942, July 15.
Nail polish applicator. J. Gutenstein. 2,623,231, Dec. 30.
Nail puller. J. S. Whitmoyer. 2,596,831, May 13.
Nail, Self-locking. R. L. Hallock. 2,603,121, July 15.
Nail stop. E. C. Eldred, Jr. 2,589,352, Mar. 18.
Nailing-in-metal machine. K. J. Unwin. 2,623,209, Dec. 30.
Nailing machine. E. A. Verrinder and R. H. Heard. 2,594,100, Apr. 22.
Name plate attaching means for grave markers. L. L. Rochester. 2,586,178, Feb. 19.
Naphthalenemethylol esters, Preparation of. R. A. Reck. 2,591,604, Apr. 1.
Naphthene hydroperoxide, Production of. W. M. Hutchinson. 2,618,662, Nov. 18.
Naphthyl hydrazine sulfonic acids in direct positive photographic processes. F. R. Bean and H. D. Russell. 2,604,400, July 22.
Narrow web with locked selvage and making same. C. F. Libby. 2,584,891, Feb. 5.
Narrowing frame. A. J. Cobert. 2,617,283, Nov. 11.
Nasal cleansing device. S. A. Akins. 2,612,894, Oct. 7.
Nasal tube holder. H. P. Gordon. 2,590,006, Mar. 18.
Navigation aid system. C. C. Pine. 2,612,638, Sept. 30.
Navigation apparatus, Electrical. A. D. Cole. 2,600,209, June 10.
Navigation lane identification. D. N. Timbie. 2,616,079, Oct. 28.
Navigation system. A. M. MacCallum and S. L. Baring-Gould. 2,611,190, Sept. 23.
Navigation system. P. A. Noxon. 2,614,335, Oct. 21.
Navigation system, including acceleration integrating means. P. G. Hansel. 2,613,071, Oct. 7.
Navigation system, Radio. C. M. Perkins, Sr. 2,585,164, Feb. 12.
Navigation system, Wireless. J. N. de Gruchy. 2,592,014, Apr. 8.
Navigational device. D. K. Allison. 2,617,032, Nov. 4.
Navigational device, Radio. C. L. Longmire. 2,597,349, May 20.
Navigational system. M. Wallace. 2,585,605, Feb. 12.
Navigational system. M. Wallace. 2,606,317, Aug. 5.
Navigational system for airways traffic control. O. S. Field and J. E. Freehafer. 2,588,916, Mar. 11.
Nebulizer for administering medicaments. B. L. McKinnon. 2,586,845, Feb. 26.
Nebulizer or the like. G. P. Trumbour and F. MacGregor. 2,582,805, Jan. 15.
Neck duster for individual customer use, Throwaway. W. E. Downey. 2,595,776, May 6.
Neck duster, Individual. A. Bongiovanni. 2,597,772, May 20.
Necktie. H. Hertz. 2,611,900, Sept. 30.
Necktie. J. L. Sharkey. 2,616,088, Nov. 4.
Necktie and form therefor. M. M. Miller. 2,618,378, Nov. 18.
Necktie attachment. H. D. Halsey. 2,605,473, Aug. 5.
Necktie, Bow. E. F. Mansour. 2,591,366, Apr. 1.
Necktie carrier. A. A. Baur. 2,612,257, Sept. 30.
Necktie construction. P. C. Macrides and M. Solomon. 2,621,332, Dec. 16.
Necktie, Four-in-hand. C. A. Doric. 2,599,749, June 10.
Necktie hanger. D. Hastings. 2,618,391, Nov. 18.
Necktie holder. J. B. Federico. 2,586,215, Feb. 19.
Necktie-holding attachment. N. W. Roop and H. R. Babb, Jr. 2,588,576, Mar. 11.
Necktie holding attachment for garment hangers. W. J. E. Mills. 2,608,306, Aug. 26.
Necktie knot anchors, Four-in-hand. I. McNiece. 2,599,190, June 3.
Necktie knot, Plastic. A. D. Anzell. 2,617,108, Nov. 11.
Necktie material display device. J. A. Hirsch. 2,581,101, Jan. 1.
Necktie mount. F. Y. Kuriyama. 2,620,482, Dec. 9.
Necktie, Preformed. A. J. Titone. 2,596,739, May 13.
Necktie press and holder. A. A. Baur. 2,612,258, Sept. 30.
Necktie rack. R. H. Arbib. 2,604,998, July 29.
Necktie rack. A. J. Hort. 2,582,127, Jan. 8.
Necktie rack. C. Kruger. 2,609,934–5, Sept. 9.
Necktie rack. P. Pestyner. 2,600,916, June 17.
Necktie rack. P. Pestyner. 2,603,359, July 15.
Necktie rack. S. Sampson. 2,615,579, Oct. 28.
Neckwear bow. S. Semmel. 2,617,107, Nov. 11.
Neck yoke. A. E. Olson. 2,602,575, July 8.
Needle. C. E. Brown and H. M. Smith. 2,595,758, May 6.
Needle and flush valve assembly, Combined. W. W. Hay. 2,605,077, July 29.
Needle, Atraumatic surgical. J. Villegas. 2,581,564, Jan. 8.
Needle, Automatic hypodermic. J. W. H. Uytenbogaart. 2,605,766, Aug. 5.
Needle bar assembly for warp knitting machines. H. C. Noe. Re. 23,521, July 15.
Needle bed for flat-V knitting machines, Sectional. G. Zielinski. 2,623,372, Dec. 30.
Needle cooling device for sewing machines. L. J. Schwartz. 2,593,203, Apr. 15.
Needle, Darning. G. E. Bombonato. 2,606,433, Aug. 12.
Needle dipper mechanism. F. Chatfield and S. R. Folsom. 2,621,620, Dec. 16.
Needle for knitting machines, Transfer. R. E. Zeruneith. 2,588,451, Mar. 11.
Needle for phonographs, Ball point. H. A. Fischer. 2,594,759, Apr. 29.
Needle for bag stringing machines, Conditioning. B. C. Golden. 2,612,125, Sept. 30.
Needle holding means for hypodermic needle honing devices or the like. E. R. Post. 2,588,160, Mar. 4.
Needle, Hypodermic. B. J. Yanus. 2,601,580, June 24.
Needle, Knitting. F. St. Pierre. 2,603,958, July 22.
Needle, Knitting. M. Vitoux. 2,596,311, May 13.
Needle, Lacing. E. C. Harris. 2,610,777, Sept. 16.
Needle, Myelographic. L. A. Scarpellino. 2,590,895, Apr. 1.
Needle positioning means for sewing machines. R. Merchant. 2,604,864, July 29.
Needle press mechanism for straight knitting machines. O. F. Smetana. 2,581,307, Jan. 1.
Needle, Rug making. C. B. Wilson. 2,581,894, Jan. 8.
Needle, Stitch removing and sewing. A. A. Rosenfeld 2,619,059, Nov. 25.
Needle structure, Mending. H. Bueche-Rossé. 2,590,375, Mar. 25.
Needle, Tailor tack. N. C. Beverino. 2,622,776, Dec. 23.
Needle, Tailor's tack. N. C. Beverino. 2,586,505, Feb. 19.
Needle threader. M. T. David. 2,609,131, Sept. 2.
Needle threader. M. Fisher. 2,623,668, Dec. 30.
Needle threader. R. E. Gearhart. 2,591,146, Apr. 1.
Needle threader, Sewing machine. F. Vogel. 2,609,771, Sept. 9.
Needle threading mechanism for sewing machines. A. P. Filip. 2,616,381, Nov. 4.
Needle, Tufting. B. H. Midas. 2,610,598, Sept. 16.
Needle tufting machine, Multiple. W. W. Hamby. 2,595,355, May 6.
Needle valve. J. R. Davidson. 2,618,457, Nov. 18.
Needle with openable eye. L. Graham. 2,620,104, Dec. 2.
Needle with thread-retaining clip, Crochet. D. A. Owens. 2,608,076, Aug. 26.
Negative electrode for battery cells. J. D. Moulton. 2,623,915, Dec. 30.
Negative impedance repeater and loading system. J. L. Merrill, Jr. 2,582,498, Jan. 15.
Negative resistance device utilizing semiconductor amplifier. H. L. Barney. 2,585,078, Feb. 12.
Negative resistance pulse generator. R. C. Guthrie. 2,580,423, Jan. 1.
Negative stored charge pickup tube. A. Rose. 2,618,761, Nov. 18.
Neon drum recording device. J. W. Bryce. 2,606,484, Aug. 12.
Neoprene-phenolic adhesive cement. A. F. Thomson. 2,610,910, Sept. 16.
Nest. L. Schroer. 2,603,183, July 15.
Nest guard. R. W. Miles. 2,621,627, Dec. 16.
Nest, Hen's. L. R. Shaffer. 2,584,054, Jan. 29.
Nestable container. P. L. Williams. 2,609,120, Sept. 2.
Nestable leg caliper. V. C. Muller. 2,597,891, May 27.
Nesting box. F. J. Kummeth. 2,612,864, Oct. 7.
Nesting marketing carrier. J. D. Wiltshire 2,590,285, Mar. 25.
Net attachment for crib beds. N. C. Le Roy. 2,607,931, Aug. 26.
Net, Collapsible landing. W. Henson. 2,619,755, Dec. 2.
Net, Collapsible minnow. W. K. Baisor. 2,583,987, Jan. 29.
Net, Fish landing. H. B. Bruns. 2,597,447, May 20.
Net-suit, or combined G-suit, parachute, safety and crash harness. R. W. Wilkins. 2,605,065, July 29.
Net, Tennis. J. B. Moore. 2,615,715, Oct. 28.
Netropsin and its production. A. C. Finlay and B. A. Sobin. 2,586,762, Feb. 19.
Neurosurgical operating chair. H. Woodhall. 2,613,725, Oct. 14.
Neutral esters of thiolphosphoric acid. G. Schrader. 2,597,534, May 20.
Neutralization of high gain amplifiers. G. D. Wofford. 2,610,261, Sept. 9.
Neutralizing and spray drying a solution of organic sulfonic acid. D. H. Condit. 2,594,875, Apr. 29.
Neutralizing sulphonic products. G. O. Sundien. 2,622,090, Dec. 16.
Neutron-absorbing borate glass. K. Sun and T. E. Callear. 2,582,081, Jan. 8.
Neutron detector. W. H. Zinn. 2,588,789, Mar. 11.
Neutron source. C. C. Carroll. 2,592,115, Apr. 8.
Neutron well logging. J. M. Thayer, G. Swift, and R. E. Fearon. 2,583,904, Jan. 29.
Neutron well logging. J. M. Thayer, G. Swift, and R. E. Fearon. 2,583,976, Jan. 29.

New basic esters of 1-aryl-cyclopentane-1-monothio-carboxylic acids, Manufacture of. F. Häfliger, H. Martin, and R. Denss. 2,589,937, Mar. 18.
New carbohydrate compounds, Production of. K. M. Gaver, E. P. Lasure and D. V. Tieszen. 2,609,370, Sept. 2.
New copolymer compositions. A. H. Popkin. 2,604,453, July 22.
New phosphorus containing compounds. J. P. McDermott. 2,599,341, June 3.
New unsaturated ketone, Preparation of. R. M. Evans and P. G. Jones. 2,614,124, Oct. 14.
Nib for writing pens. P. C. Hull. 2,598,171, May 27.
Nickel catalyst dispersed in fat, Preparation of a. S. Faulkner. 2,609,346, Sept. 2.
Nickel-copper-chromia-alkali metal sulfate catalyst and its preparation. H. C. Chitwood, J. T. Fitzpatrick, G. W. Fowler, and B. T. Freure. 2,588,359, Mar. 11.
Nickel welding. R. A. Noland and C. T. Szymko. 2,602,871, July 8.
Nicotinamide, Producing. L. J. Wissow. 2,617,805, Nov. 11.
Nicotinic acid production. W. G. Frankenburg. 2,586,808, Feb. 26.
Niggerhead. J. Balmer. 2,585,991, Feb. 19.
Night depository construction. H. C. Behrens. 2,617,584, Nov. 11.
Night depository theftproof closure construction. H. C. Behrens and H. C. Badenell. 2,581,621, Jan. 8.
Nightgown. N. Grober. 2,601,278, June 24.
Night light and bottle warmer. A. H. Raines and G. E. Balle. 2,604,573, July 22.
Night visor blackout glare device. H. C. Persons. 2,603,784, July 22.
Nipple and cap construction. H. V. A. Bonin. 2,613,671, Oct. 14.
Nipple and dispensing device. L. D. Miles. 2,584,359, Feb. 5.
Nipple chuck. A. R. Chaser. 2,598,109, May 27.
Nipple chuck. R. B. Pealer. 2,598,423, May 27.
Nipple construction. J. A. Clemens. 2,623,524, Dec. 30.
Nipple, Nursing bottle. B. Alstadt and H. Sappey. 2,582,050, Jan. 22.
Nipple or lubricant receiving device. C. C. S. Le Clair. 2,594,040, Apr. 22.
Nipple valve construction. S. G. Head, Sr. 2,597,483, May 20.
Nitrate explosive containing aluminum. L. S. Byers. 2,589,532, Mar. 18.
Nitration of aliphatic hydrocarbons. G. B. Bachman and J. V. Hewett. 2,597,698, May 20.
Nitration of olefins. T. F. Doumani, C. S. Coe, and E. C. Attane, Jr. 2,621,205, Dec. 9.
Nitration of saturated aliphatic hydrocarbons. H. B. Hass and L. G. Alexander. 2,609,401, Sept. 2.
Nitric acid and bisulfite digestion of fibrous vegetable material. G. Baudinière. 2,597,430, May 20.
Nitric acid treatment of polyethylene terephthalate structures. L. E. Amborski. 2,597,557, May 20.
Nitriding metallic surfaces. R. L. Chenault and G. E. Mohnkern. 2,596,981, May 20.
Nitriles and preparation of the same. G. W. Hearne and D. S. La France. 2,601,659, June 24.
Nitriles, Preparation of. J. K. Dixon. 2,606,917, Aug. 12.
Nitriles, Production of. P. Arthur, Jr. 2,583,984, Jan. 29.
Nitrilotrispropionamide, Preparation of. E. W. Pietrusza. 2,580,832, Jan. 1.
Nitro aldehydes and preparation thereof. C. W. Smith. 2,623,904, Dec. 30.
Nitro substituted products of di(alkoxyphenyl) ethane. G. R. Treves. 2,596,108, May 13.
Nitroalcohol phosphate curing catalyst for aminoplasts. H. J. West. 2,597,766, May 20.
Nitroaminoguanidine, Preparation of. R. A. Henry. 2,617,826, Nov. 11.
Nitrobenzeneazo-N-difluoroalkyl-N-hydroxyalkylaniline dye compounds. J. B. Dickey. 2,590,092, Mar. 25
Nitrobenzeneazo-N-difluoroalkyl-N-hydroxyalkylaniline dye compounds. J. B Dickey. 2,615,014, Oct. 21.
Nitrobenzeneazo-N-trifluoroalkyl - N - hydroxyalkylaniline dye compounds. J. B. Dickey. 2,618,630, Nov. 18.
Nitrobenzyl ethers. S. R. Buc and D. I. Randall. 2,587,566, Feb. 26.
Nitrobenzyl thiophosphate esters. W. G. Craig. 2,609,383, Sept. 2.
Nitrodiphenylamine phosphorus dye compounds. J. B. Dickey. 2,596,660, May 13.
Nitrogen containing orgatic compounds. I. C. Beatty, III. 2,620,350, Dec. 2.
Nitrogen-containing organic compounds and their preparation. D. E. Adelson. 2,599,737, June 10.
Nitrogen containing steels with high creep resistance and high tensile strength at elevated temperatures. F. Rapatz. 2,603,562, July 15.
Nitrogen fixation furnace. W. G. Hendrickson. 2,619,412, Nov. 25.
Nitrogen-phosphorus composition and process for same. J. E. Malowan and F. R. Hurley. 2,596,935, May 13.
Nitrogen production. J. P. Fugassi. 2,605,170, July 29.
Nitrogenous anion-exchange resins. C. H. McBurney. 2,591,574, Apr. 1.
Nitrogenous fertilizer compositions, Preparation of. R. D. Kralovec and R. L. Huffman. 2,592,809, Apr. 15.
Nitromalonaldehyde and salts thereof, Preparing. E. Kuh and H. W. Stewart. 2,606,931, Aug. 12.
Nitroparaffins, Production of. H. J. Passino and L. C. Rubin. 2,597,027, May 20.
Nitroparaffins, Production of. F. W. Schmitz and R. S. Egly. 2,597,753, May 20.
Nitrous oxide production. F. R. Balcar. 2,609,273, Sept. 2.
Nodulization of iron ore, Method of and apparatus for. R. C. Newhouse. 2,584,808, Feb. 5.
Nodulizing process and apparatus. F. D. De Vaney. 2,590,090, Mar. 25
Noise balancing circuits. R. B. Dome. 2,620,439, Dec. 2.
Noise-canceling microphone. R. K. Duncan. 2,611,035, Sept. 16.
Noise elimination system for pulse signal receivers. G. K. Jensen, C. M. Russell and V. N. Smith. 2,597,870, May 27.
Noise-factor meter. A. Cotsworth, III. 2,620,438, Dec. 2.
Noise generator. O. H. Schmitt. 2,601,226, June 24.
Noisemaker and action toy, Combined. C. H. Dietze, Jr. 2,580,413, Jan. 1.
Noise neutralizing demodulator. D. L. Hings. 2,621,288, Dec. 9.
Noise neutralizing pulse detector. D. L. Hings. 2,621,287, Dec. 9.
Noise reducer in scintillation counting. H. P. Kallmann. 2,590,867, Apr. 1.
Noise reduction system for radar. W. W. Hansen and E. J. Barlow. 2,598,689, June 3.
Noise suppression circuit. R. B. Dome. 2,612,602, Sept. 30.
Noise suppression circuits. O. H. Winn. 2,605,395, July 29.
Noise suppressor for audio circuits. J. M. Miller, Jr. 2,589,723, Mar. 18.
Noiseless self-aligning ball bearing. T. Y. Korsgren. 2,588,636, Mar. 11.
Nonadecyl glycols. C. H. McKeever. 2,599,468, June 3.
Nonbuoyant paravane. K. H. Wilcoxon. 2,589,312, Mar. 18.
Noncaking photographic acid fixing powders. E. S. Wiltala and D. J. Kridel. 2,592,366, Apr. 8.
Noncaking sea salt and method of producing the same. C. W. Evans. 2,606,839, Aug. 12.
Noncombustible coating composition and applying. P. E. Marling and M. L. Nielsen. 2,596,496, May 13.
Nonconjugated higher diolefin homopolymers. W. J. Sparks and R. M. Thomas. 2,612,493, Sept. 30.
Noncorrosive oil compositions. J. H. Putman, J. Scott, and D. W. Ervine. 2,610,151, Sept. 9.
Noncrystallizing copper phthalocyanine, Producing. F. P. Bluemmel and L. D. Lytle. 2,615,027, Oct. 21.
Noncrystallizing copper phthalocyanine, Producing. J. L. Keller and L. D. Lytle. 2,618,642, Nov. 18.
Noncrystallizing copper phthalocyanine, Producing. L. D. Lytle. 2,615,026, Oct. 21.
Noncrystallizing corn sugar process. J. E. Cleland. 2,610,930, Sept. 16.
Noncrystallizing lactose sirup and making. R. J. Block. 2,592,509, Apr. 8.
Nondeforming holding means for gauges. W. J. Darmody. 2,580,412, Jan. 1.
Nondiffusing color formers comprising aryl J-acids in which the aryl radical is provided with a nondiffusing group. V. Tulagin and R. F. Coles. 2,591,642, Apr. 1.
Nondiscoloring stabilized vinyl chloride resin compositions. S. M. Kinzinger. 2,581,908, Jan. 8.
Nondrip can spout. H. H. Hoffman. 2,585,125, Feb. 12.
Nondrip pouring outlet. J. G. Livingstone. 2,587,344, Feb. 26.
Nondrip valve. N. Koppel. 2,584,716, Feb. 5.
Nonemissive electrode and manufacturing. K. E. Everett. 2,584,994, Feb. 12.
Nonflocculating, nonstriating nitrocellulose lacquer. R. T. Hucks. 2,602,756, July 8.
Nonflooding underfloor airheating furnace with auxiliary exterior airinlet. W. C. Coleman. 2,592,862, Apr. 15.
Nonfoaming oil composition containing polymeric silicone. D. W. Young and S. G. Gallo. 2,589,317, Mar. 18.
Nonfreezing silica sols stabilized with organic amine compounds. S. C. Horning and C. W. Shay. 2,601,291, June 24.
Nonglare illuminated panel. L. H. Peter and E. A. Sheppard. 2,622,137, Dec. 16.
Nonhydrating setting and binding material. H. Weber. 2,606,128, Aug. 5.
Nonionic surface active agent. R. H. Klenle and G. P. Whitcomb. 2,606,199, Aug. 5.
Nonionic surface-active agents. P. L. de Benneville. 2,596,091, May 13.
Nonjamming conveyer means. G. M. Biner. 2,587,959, Mar. 4.
Nonlinear pulse code modulation system. L. A. Meacham. 2,592,308, Apr. 8.
Nonmechanical solids valve. C. H. Winter, Jr. 2,609,249, Sept. 2.
Nonmetallic mounting strip. R. H. Chilton. 2,623,250, Dec. 30
Nonmetallic rolls, Production of. C. T. Dickey. 2,615,207, Oct. 28.

Nonmilk fat stable cheese, Making. H. J. Petersen. 2,604,405, July 22.
Nonnucleariy sulfonated phenol-formaldehyde resin in beaded form, Preparation of. A. S. Nyquist. 2,610,171, Sept. 9.
Nonplanar printed circuits and structural unit. C. Brunetti. 2,611,040, Sept. 16.
Nonpolarizing electrode for electric logging of boreholes. M. R. J. Wyllie. 2,595,042, Apr. 29.
Nonrepeat control circuit. E. G. Anger and R. C. Mierendorf. 2,616,041, Oct. 28.
Nonsagging, oppositely-swinging hinge structure. J. H. Reichart. 2,583,305, Jan. 22.
Nonseismic torslograph. L. F. Hope. 2,610,505, Sept. 16.
Nonskid device. L. Astar. 2,623,568, Dec. 30.
Nonskid device. E. J. Martin, Jr. 2,607,387, Aug. 19.
Nonslip ladder base. E. D. and A. B. Agombar. 2,623,679, Dec. 30.
Nonslip load hoisting saddle sling assembly. G. Cameron. 2,603,523, July 15.
Nonslip wrench. P. C. Snyder. 2,601,064, June 17.
Nonsmoke-back solid fuel furnace. D. T. Campbell. 2,600,614, June 17.
Nonspinning armored electric cable. A. Blanchard. 2,604,509, July 22.
Nonspreading lubricant. G. E. Barker. 2,583,200, Jan. 22.
Nonstain hectograph colors. R. C. Locke. 2,621,184, Dec. 9.
Nonsymmetrical multipolar electric energy distribution system. U. Corbino. 2,583,167, Jan. 22.
Nontorsional stylus. D. J. Baker. 2,603,492, July 15.
Nonyl amine salts of penicillin. F. W. Staab. 2,585,512, Feb. 12.
Nonyl phthalates. J. T. Rutherford. 2,610,201, Sept. 9.
Noose releasing honda. E. A. Hoody. 2,592,696, Apr. 15.
Normalizing device for gear train shutter retards. H. T. Hodges. 2,588,980, Mar. 11.
Nose bridge support for bifocal spectacles, Adjustable. V. Bechtel. 2,622,477, Dec. 23.
Nose clip. S. Gollubier. 2,620,793, Dec. 9.
Nose clip for administering medicines. E. F. Muhlethaler. 2,620,795, Dec. 9.
Nose disguise. A. H. Veerman. 2,585,880, Feb. 12.
Nose or tail wheels of aircraft. H. J. Butler. 2,620,235, Dec. 2.
Nose pad and its support for ophthalmic mountings. J. A. Waskiel. 2,604,816, July 29.
Nose piece for bifocal eye glasses, Auxiliary. W. Dietz. 2,612,076, Sept. 30.
Nose tattooing device for cattle. C. S. Crane and R. A. Dove. 2,593,110, Apr. 15.
Notched plank or log. S. Erland and H. Tregaard. 2,588,814, Mar. 11.
Notching tool. A. E. Flittner. 2,619,172, Nov. 25.
Notebook. C. F. Allison. 2,607,351, Aug. 19.
Notebook. J. F. Mislak, Jr. 2,606,041, Aug. 5.
Note pad and note sheet holder. C. B. Gray. 2,591,351, Apr. 1.
Novel food products from rice, Preparation of. R. L. Roberts. 2,585,036, Feb. 12.
Novel polysiloxane compound and preparing the same. R. O. Sauer. 2,582,799, Jan. 15.
Novelty cap. M. F. Rockmore. 2,611,902, Sept. 30.
Novelty container. M. E. Hattenbach. 2,592,692, Apr. 15.
Novelty device in nature of viewing means. E. M. Thomas. 2,594,698, Apr. 29.
Novolak resin preparation. E. G. K. Pritchett and G. Barnett. 2,617,785, Nov. 11.
Novolaks, Producing. H. Bloem and M. Stel. 2,616,872, Nov. 4.
Nozzle. O. Brusdal. 2,593,096, Apr. 15.
Nozzle. J. A. Chalom. 2,583,726, Jan. 29.
Nozzle. J. O. Hruby, Jr. 2,589,942, Mar. 18.
Nozzle. R. P. Northup. 2,605,144, July 29.
Nozzle adjusting device for vacuum cleaners, Automatic. J. R. Kirby. 2,583,054, Jan. 22.
Nozzle, Air distributing. E. H. Ackermann. 2,606,074, Aug. 5.
Nozzle, Angle head abrasive blast. E. W. Crumley. 2,594,735, Apr. 29.
Nozzle, Atomizing. F. Kurata. 2,612,406, Sept. 30.
Nozzle, Atomizing. F. Kurata. 2,612,408, Sept. 30.
Nozzle, Atomizing. C. M. Sliepcevich. 2,618,512, Nov. 18.
Nozzle, Atomizing. C. M. Sliepcevich. 2,621,976, Dec. 16.
Nozzle, Automatic filling. E. Giger. 2,622,782, Dec. 23.
Nozzle, Bean duster. J. E. Poe. 2,594,798, Apr. 29.
Nozzle, Boiler cleaner. W. M. McWilliam. 2,586,367, Feb. 19.
Nozzle burner for pulverized fuel, Dual. G. P. Jackson. 2,608,168, Aug. 26.
Nozzle, Check valved. B. Pieroni. 2,621,077, Dec. 9.
Nozzle construction for use in the pneumatic handling of flour and the like. R. A. Norbom. 2,580,823, Jan. 1.
Nozzle, Distributing. S. H. Woodruff. 2,589,589, Mar. 18.
Nozzle, Douche. E. C. Condit. 2,617,417, Nov. 11.
Nozzle, Douche. R. L. Nimmo. 2,591,371, Apr. 1.
Nozzle, Filter. N. Nilsson. 2,622,739, Dec. 23.
Nozzle, Fire extinguisher. E. E. Seaberg. 2,599,728, June 10.
Nozzle, Fire foam. J. B. Webster. 2,597,913, May 27.
Nozzle, Foam distributor. R. P. Walker. 2,588,312, Mar. 4.
Nozzle for aircraft propulsion, Adjustable jet. R. Plath. 2,585,270, Feb. 12.
Nozzle for bottles. G. D. Spencer. 2,620,110, Dec. 2.
Nozzle for coating machines, Adjustable. E. B. Hurley. 2,597,331, May 20.
Nozzle for currying apparatus, Anticlogging. S. J. Erling. 2,616,120, Nov. 4.
Nozzle for dishwashers, Rinsing and drying. A. W. Wieghart. 2,585,608, Feb. 12.
Nozzle for dispensing apparatus, Mixing. S. A., and M. Gottlieb. 2,597,093, May 20.
Nozzle for dry powder extinguishers. F. B. Allen. 2,589,213, Mar. 18.
Nozzle for metallurgical equipment. E. E. Slick. 2,615,216, Oct. 28.
Nozzle for oil burners, Fuel screening discharge. W. Fahrbach. 2,602,006, July 1.
Nozzle for rocket motors. C. N. Hickman. 2,583,570, Jan. 29.
Nozzle for rockets, Automatically detachable flashless. E. B. Bradford, A. Africano, and C. N. Hickman. 2,596,644, May 13.
Nozzle for spray guns. C. L. Reinhold. 2,614,000, Oct. 14.
Nozzle for spraying viscous liquids, Atomizing. B. O. Buckland and D. C. Berkey. 2,595,759, May 6.
Nozzle for suction cleaners, Adjustable cleaning. C. G. Troxler. 2,601,697, July 1.
Nozzle for the ejection of fluid streams. W. W. Spooner. 2,593,357, Apr. 15.
Nozzle, Fuel. P. A. Lebeda. 2,589,559, Mar. 18.
Nozzle, Fuel atomizing. T. M. Ball. 2,613,997, Oct. 14.
Nozzle, Fuel injection. R. K. Weldy. 2,602,005, July 1.
Nozzle, Fuel servicing. D. Samiran. 2,580,466, Jan. 1.
Nozzle having a variable opening, Suction. C. H. Taylor. 2,585,186, Feb. 12.
Nozzle having internal baffles, Vacuum cleaner. D. R. Creswell. 2,581,002, Jan. 1.
Nozzle head. H. S. Ruekberg. 2,621,974, Dec. 16.
Nozzle height adjusting mechanism for vacuum cleaners. E. P. Turner. 2,592,767, Apr. 15.
Nozzle, High-pressure jet. J. Zielinski. 2,589,183, Mar. 11.
Nozzle, Hose. J. S. Bishop. 2,605,143, July 29.
Nozzle, Hose. E. Knauss. 2,617,687, Nov. 11.
Nozzle, Hose. J. H. Thompson. 2,587,407, Feb. 26.
Nozzle, Hydraulic giant. J. A. Miscovich. 2,612,402, Sept. 30.
Nozzle in the form of cervical caps. E. M. Greenberg. 2,616,421, Nov. 4.
Nozzle, Irrigation. S. Quattrin. 2,585,346, Feb. 12.
Nozzle, Jet propulsion. F. C. Melchior. 2,597,253, May 20.
Nozzle, Liquid measuring. H. C. Purrier. 2,595,407, May 6.
Nozzle, Liquid spray. D. C. Ipsen and C. D. Fulton. 2,603,535, July 15.
Nozzle, Lubricating. W. J. du Pont. 2,592,874, Apr. 15.
Nozzle, Mixing. M. G. Kurth. 2,591,364, Apr. 1.
Nozzle, Off-center flat spray. F. W. Wahlin. 2,619,388, Nov. 25.
Nozzle, Oil burner. R. J. Ifield. 2,593,884, Apr. 22.
Nozzle, Oil burner. G. Schwietert. 2,613,737, Oct. 14.
Nozzle, Pilot injection. J. Seliber. 2,584,745, Feb. 5.
Nozzle pipe for use with aerial ladders. E. E. Robinson. 2,593,921, Apr. 22.
Nozzle, Sandblast. A. L. Marjama. 2,587,184, Feb. 26.
Nozzle, Sand pipe dispensing. T. J. Loftus and C. H. Cummings. 2,606,780, Aug. 12.
Nozzle, Sand pipe dispensing. T. J. Loftus. 2,606,781, Aug. 12.
Nozzle, Self-adjusting fire. C. W. Smith. 2,585,509, Feb. 12.
Nozzle, Self-cleaning spray. A. H. Babinson, Jr. 2,613,992, Oct. 14.
Nozzle, Sheet separator air blast. G. F. Watson. 2,594,373, Apr. 29.
Nozzle, Spray. F. Barker and W. E. Dean. 2,584,661, Feb. 5.
Nozzle, Spray. J. U. Bete. 2,612,407, Sept. 30.
Nozzle, Spray. E. H. Green. 2,587,040, Feb. 26.
Nozzle, Spray. S. P. Kinney, C. J. Garrigan, and W. W. Clarke. 2,588,247, Mar. 4.
Nozzle, Spray. S. S. Watkins and J. Watson. 2,619,378, Nov. 25.
Nozzle, Spray. J. L. Winks and L. Fletcher. 2,595,826, May 6.
Nozzle, Spray discharge. W. B. Thompson. 2,610,092, Sept. 9.
Nozzle, Sprayer. C. Anderson. 2,609,238, Sept. 2.
Nozzle, Spraying. E. Kirschbaum. 2,612,405, Sept. 30.
Nozzle, Stirrup. F. W. Wahlin. 2,618,511, Nov. 18.
Nozzle structure for effecting striated flow of combustion gases. R. H. Goddard. 2,612,746, Oct. 7.
Nozzle structure for windshield cleaning devices. L. C. Neufeld. 2,622,929, Dec. 23.
Nozzle support for spray booms. L. E. Bartling. 2,605,140, July 29.
Nozzle, Syringe. J. C. Raymond and H. O. Wilcox. 2,596,597, May 13.
Nozzle valve. E. N. Burnett. 2,582,527, Jan. 15.

Nozzle, Valved lubrication. C. C. S. Le Clair. 2,595,211, Apr. 29.
Nozzle, Variable area. W. S. Diehl. 2,593,420, Apr. 22.
Nozzle, Variable area fuel. T. C. Noon and F. C. Bayer. 2,613,998, Oct. 14.
Nozzle with brush and wiper, Suction. B. A. Udell. 2,584,515, Feb. 5.
Nozzle with cleaning means, Spray. F. W. Hochmuth. 2,580,385, Jan. 1.
Nozzles, Mixing. B. G. Coppiug. 2,620,108, Dec. 2.
Null voltage indicating circuit. L. H. Bedford, J. Bell, and E. M. Langham. 2,595,754, May 6.
Nursery chair and step-stool, Combination. C. T. De Puy. 2,607,926, Aug. 26.
Nursing bottle holder. R. M. Dean. 2,590,383, Mar. 25.
Nursing bottleholder. F. M. Emens. 2,594,545, Apr. 29.
Nursing bottle holder. J. D. Gillaspy. 2,605,069, July 29.
Nursing outfit. P. S. Madsen and G. W. Goodson. 2,616,581, Nov. 4.
Nursing unit. A. M. Allen. 2,588,069, Mar. 4.
Nursing unit. J. A. Gits. 2,610,755, Sept. 16.
Nursing unit. W. D. Teague, G. M. Peltz, and M. Immermann. 2,604,222, July 22.
Nut. H. L. Forgaard. 2,581,641, Jan. 8.
Nutcracker. H. E. Cox. 2,594,401, Apr. 29.
Nutcracker. C. A. Duke. 2,596,382, May 13.
Nutcracker. L. Gendler. 2,590,953, Apr. 1.
Nutcracker. A. H. Smith. 2,622,643, Dec. 23.
Nut-cracking machine. L. J. Meyer. 2,622,642, Dec. 23.
Nut driving machine. R. W. Bailey and J. T. Faull. 2,616,324, Nov. 4.
Nut gatherer. C. E. Lepper. 2,599,715, June 10.
Nut gathering machine. W. P. Stokes. 2,593,625, Apr. 22.
Nut holder. E. H. Leftwich. 2,594,321, Apr. 29.
Nut-holding magazine wrench. L. Frank. 2,611,289, Sept. 23.
Nut lock. C. A. Koza. 2,616,475, Nov. 4.
Nut picking and separating machine. R. C. Hiatt. 2,594,776, Apr. 29.
Nut retainer. W. A. Bedford, Jr. 2,585,728, Feb. 12.
Nut retainer and thread lock, Combined. L. H. Flora. 2,587,134, Feb. 26.
Nut shelling device. R. L. Evans. 2,617,459, Nov. 11.
Nutlike products from dry beans, Preparation of. H. J. Morris. 2,584,150, Feb. 5.
Nutating antenna. K. L. Plummer and G. Wilkes. 2,617,029, Nov. 4.
Nutation damping device. L. Wechsler. 2,592,092, Apr. 8.
Nutrient adjunct for the preparation of streptomycin. W. W. Moyer and W. F. Allen. 2,597,019, May 20.
Nutrient composition for the preparation of streptomycin. W. F. Allen. 2,596,971–2, May 20.
Nutriment for poultry. D. Lewis and S. M. Welsberg. 2,620,274, Dec. 2.
Nutrition indicator. H. P. Askell. 2,592,106, Apr. 8.
Nylon cloth produced by reaction with quinones, Heat-resistant. E. B. Michaels and S. Machlis. 2,597,163, May 20.
o-Ethyl s-ethyl o-para nitrophenyl thiophosphate, Making. H. L. Morrill. 2,601,219, June 17.
O-ethyl S-(ethylxanthoyl) piperidyl thiophosphate. H. Tolkmith. 2,592,619, Apr. 15.
O,O - di (4 - chlorophenyl) N - alkylamidothiophosphates. C. L. Moyle. 2,615,037, Oct. 21.
O,O - di(polyhalophenyl) N - substituted amidothiophosphates. C. L. Moyle. 2,615,038, Oct. 21.
O ring valve seat. W. H. Schmitt. 2,621,885, Dec. 16.
O-2,4,5-trichlorophenyl O,O-dialkylphosphates. C. L. Moyle. 2,599,515, June 3.
O-2,4,5-trichlorophenyl O,O-dialkylthiophosphates. C. L. Moyle. 2,599,516, June 3.
O-2,4,6-trichlorophenyl O,O-dialkylthiophosphates. L. R. Drake and A. J. Erbel. 2,599,512, June 3.
Oar assembly. A. R. Wendt and J. Kosten. 2,593,822, Apr. 22.
Oar, Boat. S. N. Jackson. 2,589,698, Mar. 18.
Oar, Bow facing. L. Magdits. 2,613,373, Oct. 14.
Oar support. R. E. Wade. 2,606,332, Aug. 12.
Object-glass with a variable focal length. F. Laurent. 2,609,727, Sept. 9.
Object location system. W. C. Tinus. 2,617,094, Nov. 4.
Object motion indicating system. D. E. Sunstein and A. H. Mankin. 2,593,071, Apr. 15.
Object of pressed or sprayed material fitted with a sign. H. Caprez and E. Kruse. 2,584,841, Feb. 5.
Observing and controlling the process of a continuous Bessemer process. J. F. Jordan. 2,595,792, May 6.
Obstetrical and delivery operating table. H. R. Shampaine. 2,605,151, July 29.
Obstetrical apparatus. H. Heidenwolf. 2,597,637, May 20.
Obtaining a thickened concentrate, Process and apparatus for. A. W. Way and J. W. Morton. 2,603,354, July 15.
Obtaining chlorine and chromium containing materials. T. S. Perrin. 2,592,598, Apr. 15.
Obtaining chromic oxide from a chromate ore. D. N. Vedensky. 2,587,552, Feb. 26.
Obtaining cold sepia tones. I. B. Current. 2,607,686, Aug. 19.
Obtaining colored copies of cinematographic films. D. A. Puig. 2,597,820, May 20.
Obtaining crystalline penicillin salts. J. A. Leighty. 2,599,401, June 3.
Obtaining magnesia. R. E. Hulme. 2,603,555, July 15.
Obtaining magnesia from magnesia-containing rock. R. A. Schoenlaub. 2,581,719, Jan. 8.
Obtaining multicolored photographic images of increased color density. H. H. Duerr. 2,623,822, Dec. 30.
Obtaining predetermined phase shift characteristics. W. H. Erikson. 2,588,915, Mar. 11.
Obtaining purified phenols and cresols of petroleum origin. N. Fragen and R. M. Alm. 2,600,621, June 17.
Obtaining registry between separately photographed action scenes. A. W. Tondreau. 2,615,364, Oct. 28.
Obtaining torch flame. A. J. Ducamp. 2,587,296, Feb. 26.
Obtaining tumor tissue specimen. S. A. Gladstone. 2,591,927, Apr. 8.
Obtention of metallic antimony. J. J. Listrat. 2,596,100, May 13.
Obturator for high viscosity liquids. J. P. Labour. 2,614,789, Oct. 21.
Occipital patient supporting device. R. Anderson. 2,584,412, Feb. 5.
Octaglycine dihydroheptiodide and making the same. W. S. Frost. 2,583,558, Jan. 29.
Octahydrophenanthrene carboxylic acid esters and making same. K. Miescher and G. Anner. 2,599,471, June 3.
Odds ratio relay unit for race totalizators. A. F. and G. A. Julius. 2,590,974, Apr. 1.
Office machine. R. E. Boyden. 2,598,342, May 27.
Offset burner lighter and viewer device. R. H. Sims. 2,581,304, Jan. 1.
Offset disk harrow. W. R. Frank. 2,608,814, Sept. 2.
Offset disk harrow. W. P. Oehler and C. H. Youngberg. 2,610,455, Sept. 16.
Offset disk harrow links. W. R. Frank. 2,608,813, Sept. 2.
Offset drive for tractors. C. L. Cook and A. E. Young 2,618,980, Nov. 25.
Offset harrow. B. E. Rose. 2,607,177, Aug. 19.
Offset locking adjustment collar. J. N. Miller and E. Gairing. 2,594,969, Apr. 29.
Off-shore drilling. J. M. McNeill. 2,606,003, Aug. 5.
Offshore drilling apparatus and installing the same. G. P. Rice. 2,622,404, Dec. 23.
Offshore drilling means. E. P. Halliburton. 2,600,761, June 17.
Offshore drilling platform and constructing same. H. A. Wilson. 2,598,329, May 27.
Offshore platform. H. A. Wilson. 2,591,225, Apr. 1.
Offshore platform structure and erecting same. H. A. Wilson. 2,598,088, May 27.
Off-spot locator and spare pickup for bowling machines. T. C. Pulvino. 2,607,621, Aug. 19.
Oil absorbing method. W. J. Thomson. 2,601,862, July 1.
Oil and oil filter condition indicator. F. M. Walls. 2,611,448, Sept. 23.
Oil-base drilling fluids. P. W. Fischer. 2,612,471, Sept. 30.
Oil base drilling fluids. P. W. Fischer. 2,617,767, Nov. 11.
Oil base drilling fluids. P. W. Fischer. 2,623,015, Dec. 23.
Oil base fluid for drilling wells. R. D. Dawson. 2,588,808, Mar. 11.
Oil bath air cleaner. J. L. Deffenbaugh. 2,622,695, Dec. 23.
Oil bath air cleaner construction. J. H. Mills. 2,589,111, Mar. 11.
Oil-bath intake-air filter. A. Duwos. 2,590,520, Mar 25.
Oil burner. E. F. Chandler. 2,610,673, Sept. 16.
Oil burner. W. J. J. Fritz. 2,591,533, Apr. 1.
Oil burner. H. E. Nelson. 2,580,578, Jan. 1.
Oil burner. R. D. Schoenwetter. 2,582,888, Jan. 15.
Oil burner apparatus, Pot type. H. E. Morlock. 2,584,281, Feb. 5.
Oil burner apparatus, Vaporizing type. P. Wollner. 2,587,078, Feb. 26.
Oil burner for tobacco curing barns. C. C. Granger. 2,612,945, Oct. 7.
Oil burner head. W. P. Pohle. 2,603,279, July 15.
Oil burner nozzle, Vernier-type. N. F. Martin. 2,583,659, Jan. 29.
Oil burner of the pressure type. R. R. Witherell. 2,606,604, Aug. 12.
Oil burner safety control system. L. L. Cunningham and A. L. Judson. 2,581,636, Jan. 8.
Oil burner safety control system. F. H. Hibbard. 2,581,188, Jan. 1.
Oil burner safety control system. P. Schell. 2,592,827, Apr. 15.
Oil burner safety control system, including a flame responsive thermocouple structure. W. A. Ray. 2,592,068, Apr. 8.
Oil burner with co-ordinated air and oil valves. R. E. Simmons. 2,588,423, Mar. 11.
Oil-burning and control apparatus. W. H. Payne. 2,594,206, Apr. 22.
Oil burning hot-air furnace. W. C. Roberts. 2,581,145, Jan. 1.
Oil can. A. G. Anderson. 2,595,118, Apr. 29.
Oil can drain rack. M. F. Smith. 2,587,779, Mar. 4.
Oil can drain stand. S. C. Hofacer. 2,600,770, June 17.
Oil check for piston rings. S. S. Slyk. 2,590,278, Mar. 25.
Oil coker. A. H. Schutte. 2,623,010, Dec. 23.
Oil collecting and dispensing device, Combination. E. F. Fales, Sr. and K. Holder. 2,591,526, Apr. 1.
Oil composition. W. H. Peterson. 2,623,852, Dec. 30.

Oil compositions. W. T. Stewart and A. Goldschmidt. 2,620,305, Dec. 2.
Oil compositions containing stabilized copolymer ester-type pour point depressants. J. J. Giammaria. 2,615,843, Oct. 28.
Oil cooler. J. E. Woods. 2,587,801, Mar. 4.
Oil-cooler arrangement in air-cooled internal-combustion engine. K. Sonderegger. 2,598,849, June 3.
Oil diverter and dilution system. G. H. Gill. 2,601,868, July 1.
Oil field wash tank. M. W. MacAfee. 2,596,575, May 13.
Oil filter. E. B. Anderson. 2,601,925, July 1.
Oil filter. R. C. Beckett. 2,589,920, Mar. 18.
Oil filter. J. V. Lapik. 2,581,337, Jan. 8.
Oil filter. T. S. Lasky. 2,601,404, June 24.
Oil filter. G. J. Morgenthaler. 2,581,277, Jan. 1.
Oil filter. F. R. Oglivie. 2,605,904, Aug. 5.
Oil filter. C. J. Rood. 2,587,903, Mar. 4.
Oil filter. F. E. Storey. 2,615,573, Oct. 28.
Oil filter. P. H. Wagner. 2,593,227, Apr. 15.
Oil filter. J. W. Wilkinson. 2,621,796, Dec. 16.
Oil filter cartridge. O. P. Sather. 2,614,694, Oct. 21.
Oil filter cartridge mounting. R. G. Zenick. 2,620,071, Dec. 2.
Oil filter for crankcase safety devices. V. D. Plantico. 2,596,789, May 13.
Oil filter replacement unit. L. G. Alexander and J. W. Sherrill. 2,597,770, May 20.
Oil filtering cartridge, Repackable. C. C. Schultz. Re. 23,604, Dec. 23.
Oil-fired conversion burner. E. A. Norman, Jr. 2,594,062, Apr. 22.
Oil-free wrinkle finish coating. R. K. Walton. 2,585,197, Feb. 12.
Oil gas, Manufacturing. E. L. Hall. 2,580,767, Jan. 1.
Oil gauge wiping device. H. C. Linstrom. 2,611,145, Sept. 23.
Oil gelatin accelerator. T. Boyd and R. B. Green. 2,620,318, Dec. 2.
Oil heater. W. J. Miller. 2,607,337, Aug. 19.
Oil-in-water emulsion for vat color printing. J. L. Borstelmann and F. Fordemwalt. 2,597,281, May 20.
Oil-lubricated bearing block. G. G. E. Augereau. 2,621,987, Dec. 16.
Oil mist lubricator. K. E. A. Göthberg. 2,610,700, Sept. 16.
Oil-modified alkyd resins, Preparation of. L. E. Cadwell and C. Frazier. 2,618,617, Nov. 18.
Oil press. W. Hise and A. M. Dietrich. 2,622,512, Dec. 23.
Oil pressure operated electric switch. S. C. Wayman. 2,611,045, Sept. 16.
Oil recovery device for machine slideways. C. W. Berthiez. 2,620,238, Dec. 2.
Oil removal apparatus. W. G. Millar. 2,609,890, Sept. 9.
Oil removal system for refrigeration apparatus. A. W. Ruff. 2,617,265, Nov. 11.
Oil return mechanism for refrigeration systems. R. H. Swart. 2,614,402, Oct. 21.
Oil routing valve. F. Guyton. 2,613,684, Oct. 14.
Oil saver. J. J. Dempsey. 2,612,392, Sept. 30.
Oil seal. R. S. Gregoire. 2,590,696, Mar. 25.
Oil seal. T. E. Nelson. 2,613,960, Oct. 14.
Oil seal. G. F. P. Reich. 2,596,174, May 13.
Oil seal. R. J. Vedovell. 2,615,739, Oct. 28.
Oil seal for engine starters. C. S. Metsger. 2,594,194, Apr. 22.
Oil seal structure. H. O. Thomas. 2,593,219, Apr. 15.
Oil separation and reclaiming means for gas turbine power plants. J. J. Prendergast. 2,613,498, Oct. 14.
Oil separator. S. W. Briggs. 2,608,269, Aug. 26.
Oil-soluble allyl copolymers. H. T. Neher, L. N. Bauer and W. L. Van Horne. 2,600,419, June 17.
Oil-soluble allyl-vinyl ester copolymers. H. T. Neher, W. L. Van Horne and L. N. Bauer. 2,600,420, June 17.
Oil soluble furfural-phenol resins. L. H. Brown. 2,601,498, June 24.
Oil soluble gelling agent. A. Minich and M. Nowak. 2,618,596, Nov. 18.
Oil-soluble metal soaps, Preparing. M. Nowak and A. Fischer. 2,584,041, Jan. 29.
Oil soluble phenolic resins and varnish compositions prepared therefrom. R. H. Runk. 2,586,385, Feb. 19.
Oil soluble phenolic resins, Production of. A. S. Teot. 2,602,076, July 1.
Oil-soluble polyvalent metal salts of acids from oxidized hydrocarbons and making same. A. P. Kozacik and A. N. Sachanen. 2,622,092, Dec. 16.
Oil supply and scavenge system. L. E. Marchant. 2,604,188, July 22.
Oil supply for hydraulic tappets. C. E. Johnson. 2,595,583, May 6.
Oil tank and system. A. C. Hoffman, W. H. Geddes, and J. D. Olcott. 2,584,877, Feb. 5.
Oil tank hopper by-pass control. C. Tibeau. 2,588,778, Mar. 11.
Oil tank pressurizing control. J. F. Kirkbride and J. D. Mayer. 2,610,705, Sept. 16.
Oil testing device. J. E. Sparks. 2,622,471, Dec. 23.
Oil treatment device. A. M. Braun. 2,604,993, July 29.
Oil vaporizer. H. H. M. Mayer. 2,593,166, Apr. 15.
Oil well cementing. H. M. Greene. 2,591,807, Apr. 8.
Oil well derrick, Portable. R. Woods. 2,611,455, Sept. 23.
Oil well drilling apparatus. G. P. Wagner. 2,588,311, Mar. 4.
Oil well drilling system, Deep water. T. M. Kuss and R. D. Russell. 2,586,966, Feb. 26.
Oil well drilling transmission. C. M. O'Leary. 2,588,408, Mar. 11.
Oil well flowmeter. C. H. Fay and M. Stephenson. 2,593,285, Apr. 15.
Oil well formation tester. G. H. Ramsey. 2,582,719, Jan. 15.
Oil well jar. C. M. Howard. 2,585,318, Feb. 12.
Oil well safety device. C. L. Whigham. 2,606,619, Aug. 12.
Oil well swivel. R. L. Crain. 2,590,512, Mar. 25.
Oil well treating apparatus. A. C. Russell. 2,603,296, July 15.
Oiler, Automatic. E. D. Smyser. 2,586,104, Feb. 19.
Oiler for car wheels, Automatic flange. H. O. Murphree. 2,595,692, May 6.
Oiling device. R. A. Ragusa. 2,601,557, June 24.
Oiling system for presses, Continuous. J. C. Danly. 2,593,115, Apr. 15.
Oiling system for rock drills. H. O. Fossum. 2,582,689, Jan. 15.
Oiling system, Pressurized chain saw. E. C. Kiekhaefer. 2,605,787, Aug. 5.
Oilless bearing for textile and other machines. L. M. Cotchett and R. Rulon-Miller. 2,601,371, June 24.
Oilless pump. W. A. Scott. 2,616,615, Nov. 4.
Ointment, Alkyl vanillate. I. A. Pearl. 2,609,323, Sept. 2.
Ointments containing oil-soluble antioxidants. G. W. Rigby. 2,582,395, Jan. 15.
Oleaginous corrosion preventive composition. B. L. Costello. 2,611,711, Sept. 23.
Olefin copolymers having drying properties. H. S. Bloch and A. E. Hoffman. 2,582,411, Jan. 15.
Olefin-DDT reaction products. E. C. Ladd. 2,609,402, Sept. 2.
Olefin dichlorides in the presence of an inhibitor for substitution reactions, Preparing. R. R. Reese. 2,601,322, June 24.
Olefin-diolefin copolymers and mercaptan adducts. J. D. Garber and W. C. Hollyday, Jr. 2,581,092, Jan. 1.
Olefin hydration. R. F. Deering. 2,583,359, Jan. 22.
Olefin lubricant having a high viscosity, Preparation of. R. L. Heinrich. 2,616,916, Nov. 4.
Olefin oxidation process employing cuprous oxide catalysts. K. D. Detling and T. Skei. 2,614,125, Oct. 14.
Olefin oxides, Production of. N. Levy. 2,585,478–9, Feb. 12.
Olefin polymerization. W. K. Meerbott. 2,619,512, Nov. 25.
Olefinic C_4 F_8, Production of. W. H. Pearlson and L. J. Hals. 2,617,836, Nov. 11.
Olefinic compounds, Preparation of. C. A. Bordner. 2,615,925, Oct. 28.
Olefins by particulate coal carbonization, Preparation of. A. J. Wells. 2,623,011, Dec. 23.
Oleomargarine package. L. Peters. 2,606,121, Aug. 5.
Oleo pneumatic shock absorber. E. Laugaudin. 2,614,833, Oct. 21.
Oleo-pneumatic shock strut. G. T. Drakeley and C. V. Hanson. 2,609,195, Sept. 2.
Olive stuffing machine. L. H. Smith. 2,609,853, Sept. 9.
Omega trichloropentyl derivatives of cyanoacetic, malonic, and acetoacetic esters. E. C. Ladd. 2,619,498, Nov. 25.
1-acetoxy-1,1-dicyano-ethane, Preparation of. A. E. Ardis. 2,623,062, Dec. 23.
1-acetoxy-1,1-dicyno ethane, Preparation of. F. D. Stewart. 2,596,826, May 13.
1-acetoxy-3-buten-2-one, Production of. J. M. Wilkinson, Jr. 2,585,067, Feb. 12.
1 - acetyl - 6 - Oxo - 8a - methyl - 3,4,6,7,8,8a - hexahydronaphthalene. M. S. Newman and S. Swaminathan. 2,614,123, Oct. 14.
1-alkyl-3-benzohydryl piperidines. L. Berger and J. Lee. 2,599,364, June 3.
1-amido-6,7 dichloro anthraquinone dyestuffs. W. Jenny and W. Kern. 2,614,108, Oct. 14.
1-amino 4-bicyclohexylamino anthraquinone 2-sulfonic acids. S. von Allmen and H. Eggenberger. 2,589,980, Mar. 18.
1-amino-2-anthraquinone carbo-3′,4′-xylide. N. W. Solonen and D. I. Randall. 2,589,974, Mar. 18.
1-amino-2-bromo-4-hydroxy-anthraquinone by hydrolysis of 1-amino 2,4-dibrom anthraquinone. G. W. Seymour, V. S. Salvin, and W. R. Edwards. 2,604,480, July 22.
1-benzylpiperidine compounds. A. Pohland. 2,589,205, Mar. 11.
1-carbamyl-4-thiazolyl piperazines. H. W. Stewart. 2,602,796, July 8.
1-carbobenzoxy-4-substituted piperazines. L. Goldman. 2,617,804, Nov. 11.
1-carbocyclic carbamyl-4-heterocyclic-piperazines. H. W. Stewart. 2,602,792, July 8.
1,4 - dibromo - 2,3 - dichloro - 2 - butene. W. S. Barnhart. 2,605,294, July 29.
1,4,5,8-tetraaminoanthraquinone compounds, Preparation of. C. F. H. Allen and C. V. Wilson. 2,611,772, Sept. 23.
1 : 4 : 5 : 8 tetraamino-anthraquinone, Production of. G. W. Seymour and V. S. Salvin. 2,607,782, Aug. 19.

1,4-naphthoquinone compounds, Preparing. H. W. Coover, Jr., and J. B. Dickey. 2,585,229, Feb. 12.
1-halo-6-alkoxy-4-methylhexadiene-2,4 and preparation thereof. M. S. Newman. 2,581,284, Jan. 1.
1-hydroxy naphthyl alkenoic acids and certain salts thereof. R. R. Burtner 2,590,086, Mar. 25.
1-hydroxy-6-alkoxy-4-methylhexene-4-yne-2 and lower fatty acid esters thereof. M. S. Newman. 2,581,282, Jan. 1.
1-methyl-5-chlorobenzene-2-thioglycollic acid. J. Werner and D. E. Graham. 2,585,709, Feb. 12.
1,1-dichlorobutadiene-1,3, its preparation and polymers. G. Crane and K. C. Eberly. 2,581,925, Jan. 8.
1,1-diphenyl-4-tert.-amino-2-butyne-1-ols. W. J. Croxall and J. W. Dawson. 2,584,429, Feb. 5.
1,1,3-trialkoxyalkanes, Production of. R. Paul and S. Tchelitcheff. 2,622,101, Dec. 16.
1,1,2-trichloro-1-fluoroethane. W. A. Stover. 2,622,106, Dec. 16.
One phase push-pull circuit for rectifiers. B. Storsand. 2,602,152, July 1.
One-piece breech block for automatic firearms with pivoted locking members. H. Lippert. 2,600,007, June 10.
One-piece resilient socket. D. I. Reiter. 2,589,962, Mar. 18.
One-piece tie down device and grabhook. H. Weiss and F. Kammer. 2,591,986, Apr. 8.
1-p-nitrophenyl-2-dihaloncetamidopropane-1,3-diol cyclic carbonate and sulfite. G. W. Moersch and A. C. Moore. 2,587,641, Mar. 4.
1,3,5-tris (α-hydroxyethyl) benzene. D. T. Mowry. 2,617,831, Nov. 11.
1,2 di-primary amines, Preparation of. W. L. Hawkins. 2,587,043, Feb. 26.
1-(2-pyridyl) piperazine and preparing same. M. E. Hultquist and K. L. Howard. 2,606,906, Aug. 12.
1,2,3,4-tetrachlorbutane as a black carpet beetle larvacide. H. L. Johnson and A. P. Stuart. 2,620,291, Dec. 2.
1,2,3-substituted pyrazoione derivatives, Preparation of. J. H. T. Ledrut. 2,622,086, Dec. 16.
One-way band brake. J. W. Bridwell. 2,596,203, May 13.
One-way clutch. C. E. Swenson and A. Y. Dodge. 2,609,904, Sept. 9.
One-way detachable snap fastener. O. J. Huelster. 2,606,353, Aug. 12.
One-way seal. L. W. Storm. 2,614,793, Oct. 21.
Onion skinning and slicing machine. D. L. Taylor. 2,602,480, July 8.
Opacity sensing device. G. D. Macarthur. 2,614,453, Oct. 21.
Open-hearth furnace. F. W. Brooke. 2,606,015, Aug. 5.
Open-hearth steel, Manufacture of. G. V. Slottman. 2,580,614, Jan. 1.
Open side cable carriage. S. S. McIntyre. 2,600,066, June 10.
Opener. A. M. Alexandrescu. 2,596,459, May 13.
Opener and dispenser, Combined can. T. E. O'Casey. 2,581,768, Jan. 8.
Opener and pour spout, Combined. J. K. M. Harrison. 2,594,161, Apr. 22.
Opener and pour spout, Combined. J. K. M. Harrison 2,619,258, Nov. 25.
Opener, Animal mouth. F. C. Fehrman. 2,587,129, Feb. 26.
Opener, Beer can. A. Jensen. 2,603,859, July 22.
Opener, Bobby pin. H. A. Le Master. 2,602,456, July 8.
Opener, Can. I. G. Bandy. 2,587,090, Feb. 26.
Opener, Can. R. A. Bown. 2,588,347, Mar. 11.
Opener, Can. P. Capriotti. 2,621,403, Dec. 16.
Opener, Can. A. Carp. 2,600,615, June 17.
Opener, Can. R. D. Colgrove. 2,580,998, Jan. 1.
Opener, Can. N. S. Eckmayer. 2,596,892, May 13.
Opener, Can. V. Forstrom. 2,596,476, May 13.
Opener, Can. C. Gutekunst. 2,621,402, Dec. 16.
Opener, Can. R. Hagen. 2,599,551, June 10.
Opener, Can. E. D. Hallock and P. E. Whittington. 2,583,565, Jan. 29.
Opener, Can. O. H. Hanby. 2,603,857, July 22.
Opener, Can. B. B. and L. B. Hartman. 2,606,363, Aug. 12.
Opener, Can. W. D. Husted. 2,609,601, Sept. 9.
Opener, Can. A. E. Inch. 2,616,166, Nov. 4.
Opener, Can. W. J. Landry. 2,601,303, June 24.
Opener, Can. W. J. Landry. 2,602,991, July 15.
Opener, Can. W. J. Landry. 2,619 718, Dec. 2.
Opener, Can. J. R. Lawrence. 2,615,241, Oct. 28.
Opener, Can. R. E. McLean. 2,592,933-7, Apr. 15.
Opener, Can. R. E. McLean. 2,600,792, June 17.
Opener, Can. A. W. Miller. 2,593,329, Apr. 15.
Opener, Can. A. Olevin. 2,587,201, Feb. 26.
Opener, Can. J. O. Reinecke. 2,584,049, Jan. 29.
Opener, Can. T. Schmidt. 2,583,969, Jan. 29.
Opener, Can. G. Story. 2,613,435, Oct. 14.
Opener, Can. E. L. Verhagen. 2,593,390, Apr. 15.
Opener, Can. R. H. Waller. 2,607,111, Aug. 19.
Opener, Can. S. E. Wibling. 2,583,034, Jan. 22.
Opener, Can. D. M. Wilson. 2,609,599, Sept. 9.
Opener, Carton. E. C. Burhans. 2,595,122, Apr. 29.
Opener, Cigarette carton. M. Salzano. 2,595,815, May 6.
Opener, Container. C. Gnasbeck. 2,600,866, June 17.
Opener, Container. W. D. Husted. 2,609,600, Sept. 9.
Opener, Egg. A. G. Tomola. 2,612,921, Oct. 7.
Opener, Electric can. R. Nessler. 2,595,162, Apr. 29.
Opener, Envelope. F. C. Iffland. 2,592,699, Apr. 15.
Opener, Folding type can. W. H. Schulz and L. E. Boehm. 2,598,839, June 3.
Opener for canned liquids. N. J. Kabanuck. 2,588,731, Mar. 11.
Opener for hairpins. O. C. Semonsen. 2,621,662, Dec. 16.
Opener, Fulcrum type can. J. G. Wordeman. 2,584,244, Feb. 5.
Opener, Magnetic can. H. Glovinsky. 2,592,272, Apr. 8.
Opener, Power can. A. B. Reed. 2,582,504, Jan. 15.
Opener, Power-operated bottle. D. H. Packer and P. R. George. 2,612,065, Sept. 30.
Opener, Wall mounted can. E. R. Skorupa and E. K. Lotthammer. 2,598,314, May 27.
Opener with cap receiver, Bottle. D. J. Ajouelo. 2,588,687, Mar. 11.
Opener with crimp engaging teeth, Bottle cap. C. H. Baker. 2,611,286, Sept. 23.
Opening and cleaning machine for fibrous materials. S. M. Freeman and A. Linnert. 2,601,381, June 24.
Opening and closing mechanism for windows. A. Parquette. 2,582,558, Jan. 15.
Opening and loading carton blanks on the conveyer of a packaging machine. V. G. Williams. 2,601,481, June 24.
Opening and pouring attachment for cans. V. A. Ream. 2,609,968, Sept. 9.
Opening bags. W. E. Higginbottom. 2,582,381, Jan. 15.
Opening fibrous agglomerations, Method and apparatus for. J. H. Zettel. 2,609,313, Sept. 2.
Opening-limiting system for turbine regulators. M. Frachon. 2,582,825, Jan. 15.
Opening means for rotary duplicating machines, Master clip. H. Gerlach. 2,599,252, June 3.
Opening sheet metal containers, Method and apparatus for. K. F. Pietzsch. 2,596,432, May 13.
Opening tool for paper cartons. W. J. Rocereta. 2,621,549, Dec. 16.
Operating blast furnaces. B. S. Old. 2,602,027, July 1.
Operating connection for cylinder locks. H. Quigley. 2,620,648, Dec. 9.
Operating Control. G. J. Mucher. 2,593,332, Apr. 15.
Operating film evaporators. C. F. Rosenblad. 2,589,733, Mar. 18.
Operating handle. R. C. Sanderlin and F. M. Grant. 2,605,648, Aug. 5.
Operating internal-combustion engines. N. O. Broderson. 2,615,437, Oct. 28.
Operating internal-combustion engines on composite mixtures of diesel fuel oil and gasoline, Method and apparatus for. L. D. Thompson. 2,581,458, Jan. 8.
Operating liquid reflux systems in fractional distillation. C. W. Smith. 2,581,051, Jan. 1.
Operating means for electric switches. A. Latour. 2,584,888, Feb. 5.
Operating means for the plunger of cushion filling machines. H. Ferrier and N. J. Nisb. 2,587,826, Mar. 4.
Operating mechanism. K. H. Pond. 2,606,534, Aug. 12.
Operating mechanism for faucets. R. H. Marchant. 2,603,445, July 15.
Operating mechanism for fluid meters. R. E. Risser, Jr. 2,616,293, Nov. 4.
Operating mechanism for multiple point switches. W. O. Schultz. 2,591,017, Apr. 1.
Operating mechanism for multiple point switches. W. O. Schultz. 2,598,448, May 27.
Operating mechanism for vending machines. H. G. Wells. 2,613,122, Oct. 7.
Operating mechanism for vibrating tables. R. Emmons. 2,610,040, Sept. 9.
Operating rod for electric switches. E. J. Frank and C. W. Driver. 2,590,765, Mar. 25.
Operating valve. V. L. Frantz. 2,589,794, Mar. 18.
Operation and regulation of thermal power plants. V. H. Pavlecka and F. Dallenbach. 2,608,822, Sept. 2.
Operation of multistage combustion gas turbines. J. W. Loy. 2,621,475, Dec. 16.
Operator and lock for windows and the like, Combined. A. Langseth. 2,621,063, Dec. 9.
Ophthalmic lens mounting. C. A. Ellis. 2,588,505, Mar. 11.
Ophthalmic mounting. J. W. Barrington. 2,608,904, Sept. 2.
Ophthalmic mounting. H. O. Cohen. 2,604,011, July 22.
Ophthalmic mounting. E. D. Ditto. 2,614,459, Oct. 21.
Ophthalmic mounting. A. K. Marsters. 2,587,870, Mar. 4.
Ophthalmic mounting. V. B. Royce. 2,586,439, Feb. 19.
Ophthalmic mounting, including detachable lens connections. A. G. de Revey. 2,620,707, Dec. 9.
Opposed contact distance measure. W. Ames. 2,605,551, Aug. 5.
Opposed contact measuring device having adjustable transmission. F. Malagrino. 2,606,369, Aug. 12.
Opposed piston engine. M. Mallory. 2,608,964, Sept. 2.
Opposed piston internal-combustion engine. W. M. Nichols. 2,622,573, Dec. 23.
Opposed piston internal-combustion engine. W. A. Parrish. 2,611,349, Sept. 23.
Optical aiming device for indirect artillery fire. L. H. Brown. 2,581,355, Jan. 8.
Optical aligner. E. A. Fontaine. 2,588,974, Mar. 11.
Optical angle measuring apparatus. J. Dauber. 2,592,543, Apr. 15.

Optical apparatus for measuring by deflection. M. F. B. Picard and M. Schlumberger. 2,592,329, Apr. 8.
Optical comparing unit. M. R. Dilling. 2,594,744, Apr. 29.
Optical comparison projection system. B. C. Fleming-Williams and J. W. Jenkins. 2,621,555, Dec. 16.
Optical density comparator. D. M. Dolton and D. Smith. 2,593,996, Apr. 22.
Optical eyepiece, particularly for wide angles. L. J. Bertele. 2,621,564, Dec. 16.
Optical focusing and illuminating device for photographic cameras and the like. F. G. Back. 2,590,916, Apr. 1.
Optical glass. W. H. Armistead. 2,584,974–5, Feb. 12.
Optical glass. W. H. Armistead. 2,606,841, Aug. 12.
Optical imaging system. W. W. Miller. 2,614,460, Oct. 21.
Optical infinity sight. R. W. Wengel. 2,604,002, July 22.
Optical means for evaluating surface finish by measurement of differential light scattering in a Schlieren type optical system. R. F. Mitchell. 2,604,809, July 29.
Optical objective and focusing lens assembly, Balanced S. E. Garutso. 2,591,535, Apr. 1.
Optical objective comprising a meniscus doublet and meniscus triplet between two positive components. W. Schade. 2,611,295, Sept. 23.
Optical objective comprising six simple components axially aligned and air spaced apart, Corrected. G. H. Cook. 2,601,592, June 24.
Optical objective comprising six simple components axially aligned and air spaced apart, Corrected. G. H. Cook. 2,601,594, June 24.
Optical objective, Four component. G. H. Cook. 2,601,593, June 24.
Optical objective, Four component. G. H. Cook. 2,601,595, June 24.
Optical objective, Four component. A. Warmisham. 2,614,461, Oct. 21.
Optical projecting precision balance. F. Meinig. 2,582,876, Jan. 15.
Optical reverser of photographic negatives. J. C. Williman. 2,598,328, May 27.
Optical scale reading system. A. L. Baker. 2,619,002, Nov. 25.
Optical smoke detector. C. N. Cahusac and F. B. Allen. 2,603,122, July 15.
Optical system and film guide means for cameras, projectors, and the like. H. Rinia, P. M. van Alphen, F. L. van Weenen, L. M. Lambert, J. Leblans, and A. Bouwers. 2,593,189, Apr. 15.
Optical system and illuminated reticle for reflex cameras. F. G. Back. 2,595,750, May 6.
Optical system for increasing the angle of view of aerial cameras. H. Jensen. 2,622,495, Dec. 23.
Optical system for objectives and eyepieces. J. R. Miles. 2,603,128, July 15.
Optical system for oscillographs. K. R. Geiser. 2,613,127, Oct. 7.
Optical system for path-length multiplication in interferometers. E. Root, III. 2,583,596, Jan. 29.
Optical system for projecting the printed matter of typewriters. P. K. T. Hartmann. 2,604,006, July 22.
Optical system for tape projectors. P. K. T. Hartmann. 2,604,007, July 22.
Optical system for the inspection of curved profiles. A. R. Fultz and R. J. Hudnk. 2,607,267, Aug. 19.
Optical system for use in light signals, indicators, and the like. L. H. Peter, E. A. Sheppard, and S. A. Stevens. 2,589,569, Mar. 18.
Optical system, Image-inverting. M. Ludewig. 2,593,904, Apr. 22.
Optical system with automatic photometering and diaphragm adjusting means. K. J. Weiss. 2,612,091, Sept. 30.
Optical system with semiautomatic diaphragm adjustment to preselected position. K. H. Schütz. 2,612,093, Sept. 30.
Optical testing of materials with a transparent screen. M. E. Aiken and M. J. Rummel. 2,597,425, May 20.
Optical viewer for films. P. B. Loomis. 2,601,619, June 24.
Optically determining relative thickness of surface coatings on glass articles and the like. A. M. Hillery, Jr. 2,584,583, Feb. 5.
Optometric measuring device. C. F. Shepard. 2,619,872, Dec. 2.
Oral applicator. H. J. Hofacker. 2,593,757, Apr. 22.
Orange juice extractor. T. W. Johnson, Jr. 2,597,997, May 27.
Orbital lathe tool feeding mechanism. W. F. Groene. 2,612,069, Sept. 30.
Orbital tonometer. A. C. Copper. 2,622,439, Dec. 23.
Orchard heater. R. B. Davis. 2,595,773, May 6.
Order recording device. L. D. Kilgore and C. R. Stout. 2,598,394, May 27.
Ore concentrating apparatus. T. A. Philpott. 2,607,487, Aug. 19.
Ore jigger. I. L. Patterson. 2,612,996, Oct. 7.
Ore sorting system. R. R. Berry. 2,587,686, Mar. 4.
Ore-washing apparatus. R. B. Lindsey. 2,599,402, June 3.
Organ chime control. F. M. Schmidt. 2,595,816, May 6.
Organ, Electric. W. Hakkarinen. 2,593,442, Apr. 22.
Organ key loading device. G. H. Hadden. 2,607,257, Aug. 19.
Organ or other toy with equalized pressure supply. J. E. Nash. 2,598,416, May 27.
Organ reed construction. L. E. Hayslett. 2,594,306, Apr. 29.
Organ stop switching circuit. V. I. Zuck. 2,601,218, June 17.
Organic acid esters of cellulose, Preparation of. P. Blackman, F. Fortess, and B. B. White. 2,603,637, July 15.
Organic acid esters of cellulose, Preparation of. M. E. Martin. 2,603,636, July 15.
Organic acid esters of cellulose, Preparation of. G. W. Seymour, B. B. White, and M. Plunguian. 2,603,635, July 15.
Organic acid esters of cellulose, Production of. G. W. Seymour, B. B. White, and M. Plunguian. 2,603,638, July 15.
Organic acids, esters and alcohols, Manufacturing. G. Austerweil. 2,604,482, July 22.
Organic alkaline earth metal complex and making same. P. A. Asseff, T. W. Mastin, and A. Rhodes. 2,616,904, Nov. 4.
Organic alkaline earth metal complexes and making same. P. A. Asseff, T. W. Mastin, and A. Rhodes. 2,616,905–6, Nov. 4.
Organic alkaline earth metal complexes and making same. P. A. Asseff, T. W. Mastin, and A. Rhodes. 2,616,924, Nov. 4.
Organic alkaline earth metal complexes formed by use of sulfonic promoters. P. A. Asseff, T. W. Mastin, and A. Rhodes. 2,616,911, Nov. 4.
Organic alkaline earth metal complexes formed by use of thiophosphoric promoters. P. A. Asseff, T. W. Mastin, and A. Rhodes. 2,616,925, Nov. 4.
Organic backing. L. D. McGraw, C. L. Faust, and E. R. Mueller. 2,595,867, May 6.
Organic barium complexes and making same. P. A. Asseff, T. W. Mastin, and A. Rhodes. 2,617,049, Nov. 4.
Organic compounds containing fluorine, Preparing. A. F. Benning and E. G. Young. 2,615,926, Oct. 28.
Organic compounds, Production of. J. H. Haslam. 2,621,192, Dec. 9.
Organic hydroxy-containing compounds by reacting alcohols with carbon monoxide and hydrogen, Preparation of. W. F. Gresham. 2,623,906, Dec. 30.
Organic mercurials. A. F. Bowles. 2,618,645, Nov. 18.
Organic peresters, Preparation of. D. Herman. 2,608,570, Aug. 26.
Organic peroxides as promoters for silver oxidation catalysts and process using the same. W. E. Burt. 2,593,098, Apr. 15.
Organic phosphines. H. C. Brown. 2,584,112, Feb. 5.
Organic phosphoric acid derivatives and preparing the same. R. P. Parker, D. R. Seeger, and E. Kuh. 2,606,901, Aug. 12.
Organic phosphorous acids and esters. G. M. Kosolapoff. 2,594,454, Apr. 29.
Organic phosphorous compounds. W. T. Dye, Jr. 2,610,139, Sept. 9.
Organic phosphorus ester-P_2S_5 reaction products and oil compositions containing the same. E. A. Oberright. 2,589,326, Mar. 18.
Organic pigments in finely divided form, Preparing. D. E. Marnon. 2,611,771, Sept. 23.
Organic polysulfide type adhesive. F. J. Wehmer and J. M. McClellan, Jr. 2,588,442, Mar. 11.
Organic solvent-soluble vinylidene chloride-acrylonitrile interpolymers, Preparation of. G. Pitzl. 2,606,894, Aug. 12.
Organic thiophosphates, Preparation of. K. C. Brannock. 2,622,095, Dec. 16.
Organic tin compounds, Production of. D. Faulkner and J. N. Milne. 2,583,419, Jan. 22.
Organo-cobalt chelates as accelerators of vulcanization. S. S. Prentiss and L. R. Sperberg. 2,582,795, Jan. 15.
Organohalogenosilanes from organohalogenopolysilanes, Preparation of. D. Mohler and J. E. Sellers. 2,598,434, May 27.
Organohalogenosilanes, Preparing. S. D. Brewer. 2,600,198, June 10.
Organohalogenosilanes, Preparing. D. Mohler and J. E. Sellers. 2,598,436, May 27.
Organo-phosphorus resinous compositions. W. E. Cass. 2,616,873, Nov. 4.
Organopolysilanes. H. A. Clark. 2,606,879, Aug. 12.
Organo polysiloxane oils. C. A. Burkhard. 2,604,486. July 22.
Organo-polysiloxanes and preparation thereof. L. J. Tyler. 2,605,274, July 29.
Organosilanes, Production of. D. B. Hatcher and R. H. Bunnell. 2,618,646, Nov. 18.
Organosilicon acids. L. H. Sommer. 2,589,445, Mar. 18.
Organosilicon aldehydes and preparing the same. C. A. Burkhard and D. T. Hurd. 2,588,083, Mar. 4.
Organo silicon amides. L. H. Sommer. 2,607,793, Aug. 19.
Organo-silicon compounds. R. H. Bunnell. 2,584,544, Feb. 5.
Organosilicon compounds and conductors insulated therewith. J. Swiss and C. E. Arntzen. 2,595,729, May 6.
Organosilicon compounds, Production of. D. B. Hatcher. 2,618,647, Nov. 18.
Organosilicon oils. C. A. Burkhard. 2,604,487, July 22.
Organosilicon resins. H. A. Clark. 2,590,937, Apr. 1.

Organosiloxane coating composition containing methylhydrogensiloxane fluid and dimethylpolysiloxane high polymer. T. A. Kauppi. 2,588,393, Mar. 11.
Organosiloxane films. O. K. Johannson. 2,620,317, Dec. 2.
Organosiloxane resins containing as substituents $(CH_3)_3SiCH_2-$ or $(CH_3)_2C_6H_5SiCH_2-$ J. T. Goodwin, Jr. 2,590,957, Apr. 1.
Organo siloxanes and their production. J. T. Goodwin, Jr. 2,592,682, Apr. 15.
Organosiloxanes containing allyl radicals and heat-treated products. J. Swiss and C. E. Arntzen. 2,595,730, May 6.
Organosiloxanes containing methallyl silicon oxide groups. J. Swiss and C. E. Arntzen. 2,595,727, May 6.
Organosilyl acyl halides. L. H. Sommer. 2,610,199, Sept. 9.
Organosilyl amides. L. H. Sommer. 2,610,198, Sept. 9.
Organo-thiyl compounds, Production of. M. Kleiman. 2,610,967–8, Sept. 16.
Organo-tin compounds. G. P. Mack and E. Parker. 2,604,483, July 22.
Organo-tin compounds and composition including same and making same. R. T. Carroll. 2,597,920, May 27.
Organotin compounds and compositions containing the same. J. M. Church, E. W. Johnson, and H. E. Ramsden. 2,591,675, Apr. 8.
Organotin compounds and compositions containing the same. J. M. Church, E. W. Johnson, and H. E. Ramsden. 2,593,267, Apr. 15.
Organotin compounds, Making. E. W. Johnson and J. M. Church. 2,608,567, Aug. 26.
Organo tin halides, Making. E. W. Johnson and J. M. Church. 2,599,557, June 10.
Orientation device for wells. L. C. Miller. 2,590,880, Apr. 1.
Orientation system. P. A. Noxon. 2,590,428, Mar. 25.
Orifice plate fitting. A. W. Walker. 2,585,290, Feb. 12.
Orifice structure, Fluid flow. J. H. Carbone. 2,614,423, Oct. 21.
Orifice type flame holder construction. L. E. Berggren and A. A. Kurtis. 2,592,110, Apr. 8.
Orificed members, Manufacturing. J. A. Cupler, II. 2,618,989, Nov. 25.
Ornament. C. M. Brodbeck. 2,584,254, Feb. 5.
Ornament, Actuated Christmas tree. L. D. Burgesser. 2,611,014, Sept. 16.
Ornament, Convoluted. C. A. Herold and B. Lee. 2,613,139, Oct. 7.
Ornament, Illuminated decorative display. C. R. Sweeny. 2,586,741, Feb. 19.
Ornament mounting device. L. W. Cheney. 2,584,185, Feb. 5.
Ornament, Slip-on. H. A. Hart. 2,613,140, Oct. 7.
Ornamental cornice. E. J. Slavin and P. Jason. 2,602,500, July 8.
Ornamental display device. J. F. Joy. 2,608,779, Sept. 2.
Ornamental fixture. R. S. Grimshaw. 2,592,684, Apr. 15.
Ornamental grillwork. T. R. Cutchin and W. H. Friedrich. 2,622,676, Dec. 23.
Ornamental trimming or fagoting strip for box pleats. J. Nachman. 2,600,908, June 17.
Ornamental wrinkle films. H. A. Toulmin, Jr. 2,595,734, May 6.
Ornamentation for stockings and other stretchable materials. E. Troy. 2,596,965, May 13.
Ornamented articles from sheet material and articles produced thereby, Making. J. D. Chandler. 2,622,052, Dec. 16.
Ornamented ophthalmic frame. T. H. Eyles. 2,609,278, Sept. 2.
Ornamenting device. J. J. Hyde. 2,602,225, July 8.
Ornamenting glass. W. J. Stephen. 2,586,394, Feb. 19.
Orthodontic bracket. A. B. Brusse. 2,582,230, Jan. 15.
Orthopedic appliance. H. S. Silverman, S. M. Raffer, and E. F. Oberheim. 2,599,589, June 10.
Orthopedic bone aligning and fixing mechanism. H. Wagner and R. Anderson. 2,590,739, Mar. 25.
Orthopedic shoe. J. Barrons. 2,599,970, June 10.
Oscillatable bark-removing jet having variable amplitude of oscillation. E. C. Shaw. 2,586,727, Feb. 19.
Oscillatable baseball game board. H. P. Hutchins. 2,591,357, Apr. 1.
Oscillating and amplifying vacuum tube for very short waves. J. P. Voge. 2,614,234, Oct. 14.
Oscillating bed and platen press. W. C. Rupp. 2,613,599, Oct. 14.
Oscillating circuits. R.-E. Guillemant. 2,594,915, Apr. 29.
Oscillating contact device for periodical variation of electric current conditions. J. T. Westin. 2,618,717, Nov. 18.
Oscillating feeder. G. A. Auer. 2,620,946, Dec. 9.
Oscillating impelling transmission means for washing machines and the like. A. J. Patch. 2,623,360, Dec. 30.
Oscillating manifold hydraulic log barker. F. W. Horstkotte. 2,615,481, Oct. 28.
Oscillating variably lighted letter sign. J. W. Patterson, Jr. 2,603,898, July 22.
Oscillating wheel assembly. R. R. Love. 2,620,203, Dec. 2.
Oscillation control means for automatic valves. W. Klichenmann. 2,620,125, Dec. 2.
Oscillation generator. J. Bardeen and W. H. Brattain. 2,586,597, Feb. 19.
Oscillation generator. J. W. Dawson. 2,598,232, May 27.
Oscillation generator system. R. P. Corporon. 2,589,477, Mar. 18.
Oscillator. A. E. Broughton. 2,597,443, May 20.
Oscillator. E. J. H. Bussard. 2,583,137, Jan. 22.
Oscillator. T. E. Fairbairn. 2,607,897, Aug. 19.
Oscillator. L. Fleming. 2,586,803, Feb. 26.
Oscillator. H. H. Grimm. 2,589,246, Mar. 18.
Oscillator. G. N. Kamm. 2,586,167, Feb. 19.
Oscillator, Balanced series loop sine wave. P. Jarmots. 2,589,816, Mar. 18.
Oscillator, Blocking. L. Bess. 2,605,423, July 29.
Oscillator, Blocking. E. C. Dill. 2,586,310, Feb. 19.
Oscillator, Blocking. G. Hepp. 2,582,697, Jan. 15.
Oscillator, Blocking. W. A. Janvrin, Jr. 2,605,424, July 29.
Oscillator, Blocking. G. D. Perkins. 2,605,407, July 29.
Oscillator, Blocking. C. J. Seur and D. G. Kerker. 2,623,178, Dec. 23.
Oscillator, Blocking. C. J. Seur and D. G. Kerker. 2,624,007, Dec. 30.
Oscillator, Bridge. F. M. Gager and J. M. Headrick. 2,611,873, Sept. 23.
Oscillator, Bridge. W. K. Hodder, G. R. Gamertsfelder, and A. W. Jacobson, Jr. 2,602,139, July 1.
Oscillator controlled relay circuit. R. T. Schenck. 2,590,826, Mar 25.
Oscillator controlled measuring and controlling apparatus. W. H. Wannamaker, Jr. 2,615,151, Oct. 21.
Oscillator, Electronic. P. Cutler and K. F. Ross. 2,593,992, Apr. 22.
Oscillator for receivers, Beat frequency. C. G. Serlght and H. F. Baker. 2,593,349, Apr. 15.
Oscillator for relay operation, Coin controlled. A. M. Gordon. 2,594,424, Apr. 29.
Oscillator, Frequency- and voltage-stabilized. E. F. De Mers. 2,584,850, Feb. 5.
Oscillator, Frequency-modulated. G. L. Fernsler. 2,596,227, May 13.
Oscillator, Frequency stabilized microwave. J. P. Kinzer. 2,593,463, Apr. 22.
Oscillator, Gaseous tube. G. J. Slezen. 2,609,506, Sept. 2.
Oscillator having open-ended coaxial resonator, Electrical. W. G. Shepherd. 2,589,739, Mar. 18.
Oscillator, High-frequency. L. L. Mlynczak. 2,619,597, Nov. 25.
Oscillator hydraulic head. L. M. O'Brien. 2,596,281, May 13.
Oscillator, Magnetron. J. Kurshan. 2,617,965, Nov. 11.
Oscillator, Modified Wien-bridge. W. R. Hewlett. 2,583,649, Jan. 29.
Oscillator, Modified Wien-bridge. W. R. Hewlett. 2,583,943, Jan. 29.
Oscillator, Modulated. L. M. Field. 2,603,773, July 15.
Oscillator, Multiband. J. M. L. Janssen and L. Ensing. 2,617,035, Nov. 4.
Oscillator power supply apparatus. O. Weltmann. 2,583,979, Jan. 29.
Oscillator, Ring mounted multiple tube. R. M. Page. 2,596,163, May 13.
Oscillator, Self-compensated plate current. W. S. Erwin. 2,617,856, Nov. 11.
Oscillator, Stabilized. H. G. Fisher. 2,584,796, Feb. 5.
Oscillator, Stabilized multivibrator. M. E. Mohr. 2,601,444, June 24.
Oscillator, Stabilized saw tooth. T. V. Zaloudek. 2,610,298, Sept. 9.
Oscillator synchronizing system. W. J. Gruen. 2,588,921, Mar. 11.
Oscillator, Thermionic valve. B. M. Hadfield. 2,583,837, Jan. 29.
Oscillator, Tunable magnetron. A. L. Vitter, Jr. 2,589,903, Mar. 18.
Oscillator tuning device. J. E. Allen. 2,618,705, Nov. 18.
Oscillator, Two-frequency. J. D. Moynihan. 2,615,985, Oct. 28.
Oscillator, Two-frequency microwave. J. I. Marcum. 2,601,539, June 24.
Oscillator, Vacuum tube. H. V. Neher. 2,603,763, July 15.
Oscillator, Vibratory reed-controlled. L. G. Bostwick. 2,583,542, Jan. 29.
Oscillator, Variable frequency relaxation. M. E. Mohr. 2,593,330, Apr. 15.
Oscillatory timing mechanism. C. Anderson. 2,590,365, Mar. 25.
Oscillogram reader. J. D. Russell. 2,614,327, Oct. 21.
Otter board. M. Pleriot. 2,608,781, Sept. 2.
Outboard motor. W. H. Neville. 2,583,059, Jan. 22.
Outboard motor crankcase and oil reservoir construction. A. S. Bosma. 2,607,332, Aug. 19.
Outboard motor lock. K. F. Earnhart. 2,603,080, July 15.
Outboard motor starting device. D. A. Armstrong and H. K. Palmer. 2,592,639, Apr. 15.
Outboard motor steering bar. W. Jedlicka. 2,590,820, Mar. 25.
Outboard motor thrust and tilt lock adjustment. L. D. Watkins. 2,583,910, Jan. 29.
Outboard mounting structure. F. W. Coffing. 2,613,967, Oct. 14.

Outdoor clothes bar. J. Stanton. 2,610,742, Sept. 16.
Outdoor metal-clad switchgear. G. L. Claybourn and P. Kocasis, Jr. 2,615,775, Oct. 28.
Outdoor table and clothesline, Combination. E. S. Hannameyer. 2,594,158, Apr. 22.
Outflow regulator. G. L. Du Rostu. 2,621,674, Dec. 16.
Outrigger rod. J. T. Crandall. 2,593,989, Apr. 22.
Outside metal blind. W. H. Stewart. 2,581,215, Jan. 1.
Outside metal blind and operating means therefor. A. C. Fletcher. 2,581,321, Jan. 1.
Outsole roughing machine. E. W. Stacey. 2,590,136, Mar. 25.
Outer bearing for rotatable servers. J. D. Rodolfa. 2,600,922, June 17.
Outfit for the packing of dehydrated fruits and vegetables or other applications. G. A. Dubois. 2,621,589, Dec. 16.
Outlet box and mounting bracket therefor. C. H. Bergquist. 2,605,923, Aug. 5.
Outlet control and agitator for bins. W. J. Kilpatrick. 2,611,513, Sept. 23.
Outlet for milk delivery cans. J. A. Hopwood. 2,622,764, Dec. 23.
Outlet guiding arrangement. A. Buchi. 2,596,646–7, May 13.
Ovate roadway reflector. C. H. Rex. 2,599,285, June 3.
Oven. C. C. White. 2,593,233, Apr. 15.
Oven assembly, Rotary. C. K. Dorsey. 2,610,592, Sept. 16.
Oven, Baker's and like. J. I. D. Warrington. 2,604,059, July 22.
Oven, Baking. E. M. Crosland. 2,593,273, Apr. 15.
Oven burner control mechanism. C. M. Mayer. 2,584,147, Feb. 5.
Oven burner ignition and control mechanism. R. H. Jordan. 2,607,415, Aug. 19.
Oven burner ignition and control mechanism. C. M. Mayer. 2,607,416, Aug. 19.
Oven construction, Infrared. W. Wilson. 2,610,280, Sept. 9.
Oven control. H. E. Mills. 2,616,661, Nov. 4.
Oven, Controlled heat flow. A. I. Fader and I. Nevin. 2,597,627, May 20.
Oven door construction. H. M. Reeves. 2,587,527, Feb. 26.
Oven door glass lifting means. H. M. Reeves. 2,580,957, Jan. 1.
Oven, Laboratory drying. H. W. Dietert, J. A. Schuch, and R. E. Steinmueller. 2,586,624, Feb. 19.
Oven, Reflector. K. W. Jarvis. 2,580,925, Jan. 1.
Oven, Wafer. J. F. Naylor and D. Greener. 2,596,278, May 13.
Overboard discharge chute. J. D. Vining. 2,587,932, Mar. 4.
Over center cam engaged clutch. N. E. Risk, C. A. Ramsel and R. C. Williams. 2,591,873, Apr. 8.
Over-center hinge. E. M. Borchers and A. W. Ahlgren. 2,623,236, Dec. 30.
Overcurrent relay with inverse time characteristic. W. E. Glassburn. 2,619,522, Nov. 25.
Overdrive control. E. M. Claytor. 2,585,437, Feb. 12.
Overdrive control device. C. L. Swift. 2,620,899, Dec. 9.
Overflow indicator. L. W. Monroe. 2,604,522, July 22.
Overhead bunker refrigerator car with a fan. R. A. Doering. 2,619,803, Dec. 2.
Overhead carrier. F. E. Johnston. 2,608,164, Aug. 26.
Overhead door structure. C. R. Wolf. 2,619,165, Nov. 25.
Overhead switching system. R. W. Donaldson. 2,614,178, Oct. 14.
Overhead switching system. R. W. Donaldson and W. J. Lewis. 2,614,179, Oct. 14.
Overhead trolley wire mounting. L. L. Babcock and M. L. Thorpe. 2,599,150, June 3.
Overload attachment for semielliptical springs. H. D. Boardman and F. Hansen. 2,607,584, Aug. 19.
Overload control for motors. T. T. Stack. 2,617,971, Nov. 11.
Overload cutout for power-operated doors and the like. F. H. Versnel. 2,597,140, May 20.
Overload limiting means for electric circuits. F. Kesselring. 2,607,029, Aug. 12.
Overload protection device for electrical instruments. G. L. Grisdale. 2,584,800, Feb. 5.
Overload protective switch. C. I. Hall and J. L. Slonneger. 2,595,846, May 6.
Overload protective system for dynamo-electric machines. R. W. Jones. 2,607,831, Aug. 19.
Overload release clutch. J. W. McDevitt. 2,621,767, Dec. 16.
Overload release coupling. E. Jedrzykowski. 2,613,947, Oct. 14.
Overload release coupling. N. J. Rees. 2,613,516, Oct. 14.
Overload release coupling. W. H. Smila. 2,595,818, May 6.
Overload release coupling. T. R. Smith. 2,604,764–5, July 29.
Overload release coupling. E. C. Steinbach and P. M. Ewald. 2,599,292, June 3.
Overload release coupling for electrically driven earth augers. L. C. Gront. 2,609,674, Sept. 9.
Overload release for load actuator. J. M. Launder. 2,614,672, Oct. 21.
Overload release mechanism. A. J. McMaster and W. H. Kitto. 2,589,194, Mar. 11.
Overload released clutch. A. Y. Dodge. 2,587,712, Mar. 4.
Overload suppressor. H. O. Anger. 2,603,708, July 15.
Overload torque release mechanism. G. J. Nash. 2,597,514, May 20.
Overnight case and portfolio, Combination. S. H. Lifton. 2,595,089, Apr. 29.
Overshoe, Rubber. W. C. Jackson. 2,617,209, Nov. 11.
Overshot. V. D. Davidson. 2,619,374, Nov. 25.
Overshot tool. B. F. Wiley. 2,621,959, Dec. 16.
Overshot tool string knuckle joint. W. H. Dumble. 2,585,303, Feb. 12.
Overspeed control apparatus. H. T. Sparrow. 2,619,342, Nov. 25.
Overspeed governor. W. K. Bodger. 2,582,674, Jan. 15.
Overspeed trip valve mechanism. E. M. Kuemmerlein and C. A. Newland. 2,611,382, Sept. 23.
Overtravel control apparatus for hydraulically controlled agricultural implements. F. W. Anderson and S. E. Hill. 2,591,492, Apr. 1.
Overvoltage protection for transformers. M. G. Leonard and G. Y. Hager. 2,586,354, Feb. 19.
Overvoltage responsive control circuits. R. L. Jordan. 2,590,973, Apr. 1.
Overwind preventer. F. H. Brown. 2,617,248, Nov. 11.
Overwinding preventer. G. Bridevaux. 2,599,161, June 3.
Oxacycloalkanes, Substituted. N. J. Leonard. 2,594,322, Apr. 29.
Oxa-glycol dilevulinates. W. S. Emerson and R. I. Longley, Jr. 2,581,008, Jan. 1.
Oxidation-carburization resistant alloy. C. M. Sheridan and T. A. Pruger. 2,602,736, July 8.
Oxidation carrier for the oxidation of hydrocarbons. C. S. Lynch and E. S. Corner. 2,588,260, Mar. 4.
Oxidation inhibitor. H. W. Rudel and J. M. Boyle. 2,599,350, June 3.
Oxidation inhibitor for lubricating oils. C. E. Saunders and C. M. Murphy, Jr. 2,609,343, Sept. 2.
Oxidation inhibitors of U_3O_8. I. Sheft and S. M. Fried. 2,599,946, June 10.
Oxidation of acetals to acids. C. H. McKeever. 2,583,112, Jan. 22.
Oxidation of acidic sulfur compounds. D. C. Bond and N. B. Russell. 2,583,083, Jan. 22.
Oxidation of alkyl-substituted cyclohexanes using aldehyde-activated catalysts. D. C. Hull. 2,588,388, Mar. 11.
Oxidation of aromatic compounds containing oxygenated side chains. W. G. Toland, Jr. 2,587,666, Mar. 4.
Oxidation of dicyclic hydrocarbons. L. K. Beach. 2,581,068, Jan. 1.
Oxidation of ethyl naphthalene. R. Johnson. 2,595,265, May 6.
Oxidation of hydrocarbons. C. F. Dougherty, Jr. and C. C. Chapman. 2,609,395, Sept. 2.
Oxidation of hydrocarbons. P. C. Keith. 2,616,898, Nov. 4.
Oxidation of isobutyraldoxan. L. E. Cooper and R. N. Lacey. 2,623,068, Dec. 23.
Oxidation of nitrogen oxide fumes. T. Critchley. 2,581,518, Jan. 8.
Oxidation of phosphorus with steam. K. L. Elmore. 2,613,134, Oct. 7.
Oxidation of phosphorus with steam. J. F. Shultz. 2,613,135, Oct. 7.
Oxidation of steroidal sapogenins. J. B. Rust. 2,623,053, Dec. 23.
Oxidation resisting hydrocarbon products. J. G. McNab, N. V. Hakala, and J. P. McDermott. 2,618,597, Nov. 18.
Oxidative condensation of alkyl aromatic hydrocarbons and of nuclearly chlorinated alkyl aromatic hydrocarbons. H. Pines and V. N. Ipatieff. 2,614,130, Oct. 14.
Oxidized alkali lignin as a rubber reinforcing agent. R. A. V. Raff and G. H. Tomlinson, Jr. 2,610,954, Sept. 16.
Oxidized starch and preparing the same. W. E. C. Yelland. 2,606,188, Aug. 5.
Oxidizing acidic sulfur compounds of the type which occur in hydrocarbon oil. D. C. Bond. 2,600,465, June 17.
Oxidizing paraffinic hydrocarbons. W. Gottschall, H. Kolling and A. Hagemann. 2,602,812, July 8.
Oxyalkylated derivatives of certain allyl polymers. M. De Groote. 2,593,276, Apr. 15.
Oxyalkylated derivatives of certain solvent soluble phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,367, Jan. 8.
Oxyalkylated derivatives of furfural-substituted phenol resins. M. de Groote and B. Keiser. 2,589,062, Mar. 11.
Oxyalkylated derivatives of resinous polymers of vinyl esters. M. De Groote and B. Keiser. 2,602,079, July 1.
Oxyalkylated hydroxy acetic acid-esterified oxyalkylated phenol aldehyde resins. M. De Groote and B. Keiser. 2,581,370, Jan. 8.
Oxyalkylation of the esters of certain amino alcohols. M. De Groote. 2,602,087, July 1.
Oxyethylated hydrophile derivatives of certain fractional esters of triricinolein. M. De Groote and B. Keiser. 2,581,369 Jan. 8.
Oxygen administration. A. E. McKee. 2,593,046, Apr. 15.
Oxygen breathing apparatus. F. Hollmann. 2,617,414, Nov. 11.

Oxygen breathing system. J. R. Johnson, Jr. 2,596,152, May 13.
Oxygen by rectification of air involving precooling the air. Production of. M. J. Cleaiese. 2,584,985, Feb. 12.
Oxygen demand regulator, including altitude compensator. R. E. Stockman. 2,608,200, Aug. 26.
Oxygen, Producing. P. W. Garbo. 2,586,811, Feb. 26.
Oxygen regenerator. P. S. Rogers, W. O. Emmons, J. W. Godfrey and J. M. Kelso. 2,591,878, Apr. 8.
Oxygen tank cart. I. A. Kernkamp. 2,611,622, Sept. 23.
Oxygen tent or like enclosure. G. W. Higgs. 2,600,501, June 17.
Oxygen transfer regulator. J. A. Hoffman, S. R. Oldham, and W. J. Jacobsson. 2,617,233, Nov. 11.
Oxygenated compounds, Production of. A. I. M. Keulemans. 2,587,858, Mar. 4.
Oxygenation of olefins. F. W. Sullivan, Jr. 2,600,444, June 17.
Oxygenation of steroids by mucorales fungi. H. C. Murray and D. H. Peterson. 2,602,769, July 8.
Oyster chuck. L. M. Labat. 2,612,653, Oct. 7.
Ozone generation. C. E. Thorp and G. Panula. 2,615,841, Oct. 28.
Ozone generator. L. S. Chadwick. 2,607,726, Aug. 19.
P-acetylaminobenzaldehyde, Production of. W. G. Huey and B. W. Rottschaefer. 2,608,582, Aug. 26.
p-Alkoxybenzilic acids. E. R. Bockstahler. 2,605,283, July 29.
p-Aminobenzenephosphonous acid. I. M. Klotz and R. T. Morrison. 2,605,280, July 29.
P-phenylenediamine developer containing alkylacylamidoethyl or alkylacylamidoethoxy ring substituents. 2,592,364, Apr. 8.
P-phenylenediamine developer containing N-alkylacetamido ethyl substituent. A. Weissberger, D. B. Glass, and P. W. Vittum. 2,592,363, Apr. 8.
Pacifier, Medicated. J. J. Szuderski. 2,612,165, Sept. 30.
Package. A. G. Rose and J. A. Gilbert. 2,620,964, Dec. 9.
Package. J. B. Rundle. 2,605,897, Aug. 5.
Package and applicator, Combined. C. A. Oclassen and P. H. Bronnenkant. 2,619,087, Nov. 25.
Package and enclosed tray thereof. T. S. Olsen. 2,588,409, Mar. 11.
Package and packaging. G. C. Cunningham and R. Weldon. 2,589,604, Mar. 18.
Package and storage of apples. H. H. Plagge. 2,611,709, Sept. 23.
Package and supporting tag for fuse plugs. B. W. Rockey and E. L. Salmon. 2,604,204, July 22.
Package binding. J. J. Cheesman. 2,613,589, Oct. 14.
Package binding machine J. J. Cheesman. 2,614,487, Oct. 21.
Package combined with sterilization indicator. J. C. Davis, R. T. K. Cornwell, and E. L. Hansen. 2,606,654, Aug. 12.
Package construction. K. H. Keller. 2,591,703, Apr. 8.
Package delivery chute. P. T. McQueen. 2,588,142, Mar. 4.
Package delivery mechanism. J. Manteria. 2,587,496, Feb. 26.
Package dispenser. H. W. Grady. 2,616,573, Nov. 4.
Package display rack. A. Dreyfus, Jr. 2,583,092, Jan. 22.
Package distribution system. R. Couchman, Jr. and W. J. Raab. 2,609,047, Sept. 9.
Package end sealing mechanism. O. Sandberg. 2,590,127, Mar. 25.
Package filling machine. J. E. Fenno. 2,590,817, Mar 25.
Package filling machine. J. L. Ferguson. 2,616,605, Nov. 4.
Package for frozen foods and the like. W. A. Ringler. 2,613,025, Oct. 7.
Package for smokers' stands. W. C. Panzer. 2,622,732, Dec. 23.
Package for plural articles. G. A. Moore. 2,618,380, Nov. 18.
Package for twine, rope, or the like. H. Epstein. 2,580,900, Jan. 1.
Package forming and cooky assembling machine. T. C. Schenk. 2,616,233, Nov. 4.
Package forming machine. F. E. Bickford. 2,608,915, Sept. 2.
Package forming machine. F. E. Bickford. 2,612,822, Oct. 7.
Package holder for use on textile machines. E. Pearson. 2,623,710, Dec. 30.
Package of coreless tube wound bundle of twine. H. Epstein. 2,614,772, Oct. 21.
Package or container. G. Powell. 2,620,962, Dec. 9.
Package printing device. A. Burckhardt. 2,588,480, Mar. 11.
Package sealing device. C. Miller, P. L. Snyder, and R. H. Swaisgood. 2,603,376, July 15.
Package spout. T. H. Fengler. 2,587,716, Mar. 4.
Package with cover or support therefor. L. L. Salfisberg. 2,589,735, Mar. 18.
Package wrapping mechanism. O. Sandberg. 2,603,048, July 15.
Package wrapping mechanism. O. Sandberg. 2,623,339, Dec. 30.
Packaged electrodes for the cathodic protection of metallic underground structures. R. B. Mears. 2,621,154, Dec. 9.
Packaged refrigerant. W. E. Moore. 2,595,672, Apr. 29.
Packages for twine, rope, and the like. H. Epstein. 2,610,812, Sept. 16.
Packages, Making. O. H. Hultin. 2,606,411, Aug. 12.
Packaging. J. S. Donnell. 2,618,110, Nov. 18.
Packaging. T. R. O'Malley. 2,586,078, Feb. 19.
Packaging. J. Schindler. 2,613,991, Oct. 14.
Packaging a predetermined weight of food material. Method and apparatus for. E. H. Carruthers. 2,601,093, June 17.
Packaging and serving frozen confections. H. R. and C. G. Schu'z and A. S. Kedzie. 2,598,137, May 27.
Packaging and storing wax cakes. P. F. Dougherty. 2,606,656, Aug. 12.
Packaging apparatus. G. Grey. 2,603,927, July 22.
Packaging apparatus and method. H. Hansen. 2,601,944, July 1.
Packaging apparatus with collapsible seal. C. E. Cloud. 2,615,201, Oct. 28.
Packaging articles in handled carriers. F. A. Chidsey, Jr. 2,603,923, July 22.
Packaging buffing compound and like materials. E. T. Candee. 2,617,521, Nov. 11.
Packaging comminuted materials in containers of extruded thermoplastic materials. J. B. Paton and F. J. Chandler. 2,618,814, Nov. 25.
Packaging device. P. H. Clark. 2,603,928, July 22.
Packaging device and cap-stopper closure. N. T. Baldanza. 2,620,085, Dec. 2.
Packaging films and manufacturing same. V. A. Miller and R. J. Reid. 2,604,668, July 29.
Packaging hygroscopic sponges. S. P. Vaughn. 2,613,487, Oct. 14.
Packaging hygroscopic sponges. S. P. Vaughn. 2,613,862, Oct. 14.
Packaging machine. H. G. Allen. 2,584,529, Feb. 5.
Packaging machine. J. D. Conti. 2,586,006, Feb. 19.
Packaging machine. C. J. Malhiot. 2,603,047, July 15.
Packaging machine. G. L. McCargar. 2,597,120, May 20.
Packaging machine. C. B. McHale and E. H. Janssen. 2,585,335, Feb. 12.
Packaging machine. H. C. Noe. 2,580,456, Jan. 1.
Packaging machine. F. R. Piper and J. M. Gardner. 2,580,833, Jan. 1.
Packaging machine. J. Riemer. 2,623,338, Dec. 30.
Packaging machine. J. F. Stalter. 2,586,445, Feb. 19.
Packaging machine. J. H. Stroop. 2,608,809, Sept. 2.
Packaging machine, particularly the blocks therefor. P. Carrino. 2,599,369, June 3.
Packaging means for toy pistols. R. O. Wesley. 2,601,192, June 17.
Packaging method. C. E. Slaughter. 2,599,493, June 3.
Packaging method and means. R. J. Hickin. 2,615,289, Oct. 28.
Packaging of nails and the like. B. D. Williams. 2,590,358, Mar. 25.
Packaging of oil-soluble dyes in oil-soluble capsules. J. M. Hatfield. 2,618,384, Nov. 18.
Packaging oleomargarine and similar materials. W. E. Denison. 2,600,216, June 10.
Packaging paperbags and the like, Method and apparatus for. W. P. Thielens. 2,612,737, Oct. 7.
Packaging strip. M. Van Antwerpen. 2,603,349, July 15.
Packaging system. C. J. Arthur. 2,619,227, Nov. 25.
Packaging (vacuum) meat items. J. M. Ramsbottom, S. R. Grinstead, and K. D. Aalseth. 2,621,129, Dec. 9.
Packed column for contacting two fluid phases. H. O. McMahon. 2,607,572, Aug. 19.
Packed valve. R. A. Yohpe. 2,621,017, Dec. 9.
Packer. C. K. Morgan, L. D. Meddick, and J. S. McKenna. 2,612,953, Oct. 7.
Packer. C. H. Sweet. 2,604,946, July 29.
Packer and slip assembly expanded by internal pressure. C. Hern. 2,584,448, Feb. 5.
Packer for wells. N. T. Breaux. 2,600,468, June 17.
Packet for spools. J. D. Post. 2,615,564, Oct. 28.
Packet making machine. J. W. Chalmers and D. R. F. Jackson. 2,591,135, Apr. 1.
Packing and application. W. E. Montgomery. 2,608,728, Sept. 2.
Packing articles for shipment. H. F. Zimmerman. 2,590,071, Mar. 18.
Packing articles, such as fishing lures, made of flexible sheet material. D. F. Hyland. 2,616,559, Nov. 4.
Packing box and cushioning member therefor, Ventilated S. B. Stevenson. 2,609,956, Sept. 9.
Packing composition. J. G. Ford. 2,605,245, July 29.
Packing cup expander. N. S. Reynolds. 2,612,42?. Sept. 30.
Packing element. N. M. Sider. 2,609,136, Sept. 2.
Packing for a distillation column. O. G. Dixon 2,615,835, Oct. 28.
Packing for rotating shafts. A. R. Trist. 2,593,939 Apr. 22.
Packing fruit. C. F. Stuart. 2,599,790, June 10.
Packing gland. V E. Bourgeois. 2,584,252, Feb. 5.
Packing machine. K. J. Sylvest and E. Jensen. 2,613,854 Oct. 14.
Packing machine, Automatic. V. V. Peone. 2,601,454. June 24.
Packing machine for powder materials. G. C. Griffin and W. G. Ivany. 2,600,530, June 17.
Packing material. M. R. Cannon. 2,602,651, July 8.

Packing of articles susceptible to damage. L. N. Darbyshire. 2,601,919, July 1.
Packing retainer and lint eliminator for railway journal boxes. F. H. Campbell. 2,606,797, Aug. 12.
Packing ring. J. C. Hanna. 2,610,846, Sept. 16.
Packing ring O. Simmer. 2,581,817, Jan. 8.
Packing ring support. H. G. Taylor. 2,607,140, Aug. 19.
Packing stand. R. B. Roberston 2,614,611, Oct. 21.
Packing structure. R. M. Magnuson. 2,595,592, May 6.
Packing unit. D. W. Osmun. 2,616,731, Nov. 4.
Pad: *See*—
- Absorbent protective pad.
- Apparel pad.
- Artist's canvas pad.
- Auxiliary mattress pad.
- Buffer backing pad.
- Bunion pad.
- Calendar memorandum pad.
- Ceramential pad.
- Chemical heating pad.
- Cutting pad.
- Dental pad.
- Electric heating pad.
- Gas and liquid contact pad.
- Heating pad.
- Ink pad.
- Rubber pad.
- Sanding and abrading pad.
- Shoulder pad.
- Sink pad.
- Soft flexible pad.
- Steam pad.
- Stamp pad.
- Surgical pad.
- Truss pad.
- Upholstery support pad.
- Ventilated slip pad.
- Writing pad.

Pad. G. F. Magee. 2,616,428, Nov. 4.
Pad and cover attached ironing board. A. P. Lantz. 2,610,418, Sept. 16.
Pad and making the same, Kneeling. B. J. Smith. 2,606,598, Aug. 12.
Pad box. C. G. Melanson. 2,617,128, Nov. 11.
Pad box. C. K. Woodman. 2,584,313, Feb. 5.
Pad for playpens or cribs, Protective. E. F. Malm 2,600,556, June 17.
Pad for the application or removal of cosmetics. O. A. Berman. 2,621,354, Dec. 16.
Pad for upholstery and the like. W. E. Sackner. 2,596,292, May 13.
Pad for wrist watches, Resilient. F. C. Pachter. 2,601,942, July 1.
Pad holder with a straight edge. J. P. La Barber. 2,623,324, Dec. 30.
Pad of continuous stationery. F. G. Sexton. 2,583,064, Jan. 22.
Pad retainer for evaporative coolers. E. Shapiro. 2,608,396, Aug. 26.
Pad structure. W. A. Steward. 2,595,111, Apr. 29.
Pad support. N. S. Ferland. 2,616,107, Nov. 4.
Padded sleeping device for posture correction. P. J. Steinberger. 2,617,412, Nov. 11.
Padder, mangle, or squeeze rolls for improved extraction and impregnation of textile fibers, yarns, and fabrics. J. F. and E. J. Keating. 2,596,154, May 13.
Padding and cover members for upholstered spring structures. W H Neely. 2,586,698, Feb. 19.
Padding attachment for garment hangers. J. S. Kivett. 2,591,163, Apr. 1.
Paddle. O. S. McDonald. 2,590,991, Apr. 1.
Paddle ball device. T. F. Walsh. 2,622,880, Dec. 23.
Paddle ball kit. Portable. R. Lamounette. 2,621,046, Dec. 9.
Paddle wheel reinforcement means. E. O. Hendrickson. 2,610,460 Sept 16
Page and bookmark, Removable C. Heckendorn. 2,590,615, Mar. 25.
Page holder for books. A. H. Freher. 2,606,042, Aug. 5.
Page turner M. D. Merrion. 2,601,047, June 17.
Paging system. J. E. Kreiner. 2,612,551 Sept. 30.
Pail, Heated lunch. F. H. Lott. 2,611,851, Sept. 23.
Pail, Minnow A. W. Swanbeck. 2,595,726, May 6.
Paint, Antifouling marine. J. S. Cameron. 2,583,545, Jan. 29.
Paint applicator C. O'Donnell. 2,601,692, July 1.
Paint applicator. W. A. Mattle. 2,584,724, Feb. 5.
Paint applicator, Roller. J. L. Vaden and W. H. Collins. 2,606,334, Aug. 12.
Paint applicator with a pair of rollers exterior of their paint supply receptacle. J. O. Lee. 2,589,407, Mar. 18.
Paint applying device. H. W. Jockers and H. W. Jockers, Jr. 2,620,498, Dec. 9.
Paint applying device, Roller. J. P. and H. J. Findley. 2,591,530, Apr. 1.
Paintbrush. O. P. Magoon. 2,591,845, Apr. 8.
Paintbrush attachment. S. Austin. 2,610,731, Sept. 16.
Paintbrush, Fountain. C. R. Johnson. 2,609,558, Sept. 9.
Paintbrush, Fountain. M. Soss. 2,599,024, June 3.
Paintbrush guard. E. A. Seeber. 2,584,504, Feb. 5.
Paint brush holder. G. O. Schulz. 2,605,986, Aug. 5.
Paintbrush wiper. H. H. Kistner. 2,606,689, Aug. 12.
Paint bucket holder for ladders. G. M. Robinson. 2,622,833, Dec. 23.
Paint bucket holding device. J. W. Wraith. 2,598,479, May 27.
Paint can splash protector. R. T. Weltlich. 2,591,482, Apr. 1.
Paint can splash protector with handle. C. Wells. 2,601,100, June 17.
Paint container attachment. E. H. Bock, Jr. 2,621,829, Dec. 16.
Paint loosening and scraping device. V. E. Brooks. 2,589,331, Mar. 18.
Paint mixer. F. A. Stahl. 2,610,041, Sept. 9.
Paint pressure box with heat exchanger. E. A. A. Axelson and C. Å. Löfgren. Re. 23,551, Sept. 30.
Paint remover. F. Zumbrunnen. 2,619,468, Nov. 25.
Paint roller applicator. C. H. Bugg. 2,605,487, Aug. 5.
Paint roller jacket cleaner. R. I. Calhoun. 2,616,281, Nov. 4.
Paint scraper and flame guard, Combined. G. W. Heyder. 2,618,004, Nov. 18.
Paint, Ship hull antifouling. W. J. Francis. 2,602,752, July 8.
Paint spraying device. J. O. Andersson. 2,612,404, Sept. 30.
Paint stirrer attachment for cans. W. Johnson. 2,601,438, June 24.
Paint stripping compositions. A. Mankowich. 2,614,992, Oct. 21.
Painter's kit. C. J. Dussardier. 2,586,524, Feb. 19.
Painting device, Flexible. G. B. Crippen. 2,604,651, July 29.
Paints and varnish, Manufacture of. M. Kaufman and A. F. Williams. 2,595,676, May 6.
Pallet. W. D. McIntyre. 2,602,619 July 8.
Pallet. E. E. A. Norrefeldt and H. E. E. Holst. 2,621,006, Dec. 9.
Pallet. F. A. Vossenberg. 2,584,762, Feb. 5.
Pallet adapter unit for block molding machines. J. W. Clilar. 2,583,818, Jan. 29.
Pallet container assembly for shipping articles. L. J. Budd. 2,594,287, Apr. 29.
Pallet conveyer and selector. J. E. McPhee. 2,613,798, Oct. 14.
Pallet feeder mechanism for concrete block machines. H. D. Corwin. 2,586,210, Feb. 19.
Pallet feeding device. D. J. Davidson. 2,608,285, Aug. 26.
Pallet for handling materials. W. M. and F. S. Perry. 2,583,443. Jan. 22.
Pallet for stamping machines. H. A. Mintz. 2,591,369, Apr. 1.
Pallet for supporting materials. B. E. Vankrimpen. 2,597,411, May 20.
Pallet hoist attachment. R. P. Sturgis. 2,588,330, Mar. 4.
Pallet stripping device for industrial trucks. E. J. Abbe. 2,620,936, Dec. 9.
Pallet structure. R. A. Fletcher. 2,605,070, July 29.
Pallet support. E. T. Lundeen. 2,621,879, Dec. 16.
Palletized shipping structure. L. J. Budd. 2,607,475, Aug. 19.
Palm tree pruner. C. W. Grasham. 2,581,479, Jan. 8.
Pan, Bake. J. W. Kinney, Jr. 2,602,568, July 8.
Pan, Boiling. C. A. Steen. 2,614,730, Oct 21.
Pan, Bread. R. L. Nafziger. 2,583,870, Jan. 29.
Pan, Brending. H. F. Russell. 2,616,391, Nov. 4.
Pan cleaning utensil having closed wire loop cleaning means. A. A. Egli. 2,619,667, Dec. 2.
Pan, Compartment frying. M. M. Anderson. 2,581,161, Jan. 1.
Pan filling machine. M. W. Baker, F. F. Bell, C. F. Curtis, II, and E A. Patton. 2,623,675–6, Dec. 30.
Pan lid to absorb grease. M. W. and F. A. Sell. 2,587,773, Mar. 4.
Pan, Milk examining. R. L. Herring. 2,582,432, Jan. 15.
Pan, Multiple-unit muffin. H. L. and D. J. McClain. 2,599,853, June 10.
Pan, Sanitary urinal. J. A. Young. 2,619,653, Dec. 2.
Pan with elastic sealing rings, Boiling. C. A. Steen. 2,582,801, Jan. 15.
Pane fastener. I. M. Kirlin. 2,614,667, Oct. 21.
Pane fastener. H. R. Olrz. 2,583,303, Jan. 22.
Panel and panel cover, especially for railway cars. M. Watter. 2,620,750, Dec. 9.
Panel arrangement for dispensing pumps. H. H. Wolfe. 2,598,957, June 3.
Panel assembly, Tiltable. J. Van Fowler. 2,584,175, Feb 5.
Panel board. A. B. Rypinski. 2,606,957, Aug. 12.
Panel closure. J. H. and F. G. Oswald. 2,583,439, Jan. 22.
Panel closure assembly. C. P. Krupp. 2,586,062, Feb. 19.
Panel construction. W. L. Shepheard. 2,589,633, Mar. 18.
Panel crating structure. L. W. Johnson and H. W. Pottle. 2,593,152, Apr. 15.
Panel embossing machine. J. L. and L. G. Buckley. 2,612,102, Sept. 30.
Panel fastener. W. W. Cushman. 2,603,318, July 15.
Panel fastening device. O. J. Poupitch. 2,601,213, June 17.
Panel fastening for doors and window sashes. A. J. Kiefer. 2,612,244, Sept. 30.
Panel for box type vehicle bodies. H. E. Kruger. 2,584,885, Feb. 5.
Panel frame for television receiving sets, Removable. J. A. and G. J. Moricco. 2,596,710, May 13.
Panel heating and cooling system. R. Tatsch. 2,621,027, Dec. 9.
Panel joint support. A. G. Dean. 2,591,654, Apr. 1.
Panel light mounting to absorb mechanical shocks. J. R. Gaston. 2,590,003, Mar. 18.
Panel mounted socket unit with supporting strip. F. A. Matyas and G. Mohrlein. 2,606,226, Aug. 5.

Panel of wood or like material for building construction. C. F. Gardner. 2,615,211, Oct. 28.
Panel support apparatus. I. A. Williams. 2,622,716, Dec. 23.
Panel-type heater. G. N. McKibbin. 2,598,279, May 27.
Panel type laminated wallboard partition. G. W. Baker. 2,618,028, Nov. 18.
Panel-supporting frame. L. J. Behr. 2,617,217, Nov. 11.
Panel unit for radiant heating. L. A. Byrnie. 2,613,900, Oct. 14.
Paneled display for airplane wing surfaces. L. C. McCarty, Jr., and H. G. Fello. 2,617,220, Nov. 11.
Paneling. D. Hirsch. 2,599,994, June 10.
Panic bolt latch and door construction. D. C. Hay. 2,616,132, Nov. 4.
Panoramic camera spring motor. L. J. Combe. 2,581,633, Jan. 8.
Panoramic receiver. G. P. McCouch and D. K. Reynolds. 2,597,358, May 20.
Panoramic receiver. G. J. Perlow and J. M. Kelly. 2,614,214, Oct. 14.
Panoramic receiving system. G. P. McCouch. 2,603,745, July 15.
Panoramic support head for cameras. M. Tulchin. 2,619,312, Nov. 25.
Panoramic system. E. M. Williams. 2,617,015, Nov. 4.
Pantograph. E. W. Derwén and K. H. Honkanen. 2,620,563, Dec. 9.
Pantograph apparatus. C. Thumim. 2,618,682, Nov. 18.
Pantograph machine tool. C. M. Griffin. 2,600,402, June 17.
Pants. D. L. and S. A. Miller. 2,591,182, Apr. 1.
Pants, Baby. H. O. Kennette. 2,606,558, Aug. 12.
Pants creasing device. F. Dinkel. 2,604,240, July 22.
Pants guard for coat hangers, Slip resistant. W. F. Tufts. 2,590,738, Mar. 25.
Pants hanger. M. E. Leonard. 2,615,604, Oct. 28.
Panty, Child's training. F. B. White. 2,604,097, July 22.
Panty, Diaper. F. Burns. 2,581,904, Jan. 8.
Panty girdle combination. A. Lustgarten. 2,597,587, May 20.
Panty girdle construction. B. Grolitzer. 2,591,423, Apr. 1.
Paper and manufacture, Calendered crinkled. F. W. Humphner. 2,598,173, May 27.
Paper binder. R. V. McDonald. 2,583,224, Jan. 22.
Paperboard box cover lock. K. C. Ferguson. 2,586,156, Feb 19.
Paperboard pallet. W. E. Coleman and J. P. H. Leavitt. 2,611,569, Sept. 23.
Paperboard partitioned article carrier. E. L. Arneson. 2,584,658, Feb. 5.
Paperboard product and making same. W. F. Gillespie. 2,601,114, June 17.
Paper box. C. Caskey. 2,597,289, May 20.
Paper box. J A O'Reilly. 2,580,586, Jan. 1.
Paper box folding and corner locking machine. F. A. Bellato. 2,604,022, July 22.
Paper clamp. H. B. Boyer. 2,598,883, June 3.
Paper clamp. A. G. Hanson. 2,583,567, Jan. 29.
Paper clip. J W Hughes. 2,603,845, July 22.
Paper clip. D. W. Stegeman. 2,589,889, Mar. 18.
Paper coating. J. L. Azorlosa. 2,616,818, Nov. 4.
Paper coating apparatus. R. A. Sherman and L. O. Carlisle. 2,599,947, June 10.
Paper-coating machine. L. W. Hoel. 2,606,520, Aug. 12.
Paper container. W. A. Eaton and R. S. Sanford. 2,596,224, May 13.
Paper-covered wood veneeer, Producing. R. N. Ware, Jr., and R. Cannon. 2,593,708, Apr. 22.
Paper cup dispenser. C. L. Roy. 2,614,687, Oct. 21.
Paper cutter. R. H. Rausch. 2,619,723, Dec. 2.
Paper cutter. W. L. Wilkoff. 2,609,047, Sept. 2.
Paper-cutting apparatus. J. R. Baumgartner. 2,589,033, Mar. 11.
Paper-cutting machine. F. M. Hill and J. W. Goff. 2,607,420, Aug. 19.
Paper cutting machine having a back gauge clamping means. J. G. Kerr. 2,605,839, Aug. 5.
Paper dispenser. M. H. Gordon. 2,598,992, June 3.
Paper dispenser. B. F. Lacy and F. O. Reichardt. 2,580,684, Jan. 1.
Paper dispenser. D. McDonald and P. W. Frobe. 2,608,356, Aug. 26.
Paper drilling machine or the like. J. Adrian. 2,595,438, May 6.
Paper fastener. J. D. Cayabyab. 2,615,222, Oct. 28.
Paper fastener. A. J. Hermann. 2,602,976, July 15.
Paper fastener. H. I. Shoenberger and F. K. Stevenson. 2,595,108, Apr. 29.
Paper feed control apparatus. T. I. Ress. 2,621,249, Dec. 9.
Paper feed signal control. T. I. Ress. 2,618,704, Nov. 18.
Paper feeding device. A. W. Mills, F. J. Furman, and E. J. Rabenda. 2,615,551, Oct. 28.
Paper feeding mechanism for statistical machines. S. R. Haines. 2,591,150, Apr. 1.
Paper guide, Adjustable. W. A. Dobson. 2,586,522, Feb. 19.
Paper guide means for business machines. A. J. Fettig. 2,585,102, Feb. 12.
Paper handling machine. W. F. Gates. 2,603,484, July 15.
Paper-handling machinery. K. M. Davis. 2,617,647, Nov. 11.
Paper having improved printing characteristics. B. K. Green. 2,581,186, Jan. 1.
Paper holder. R. V. Jones. 2,593,762, Apr. 22.
Paper holder for making photographic enlargements. L. L. Ogg. 2,599,859, June 10.
Paper in insulated cables, Two-way stretch. G. Camilli and L. Mulligan. 2,607,824, Aug. 19.
Paper indicated dobby. R. G. Turner. 2,609,841, Sept. 9.
Paper machine, Cylinder type. R. H Breyfogle and R. F. Hollis. 2,590,288, Mar. 25.
Paper machine drier. W. Kelsey. 2,586,829, Feb. 26.
Paper machinery. S. A. Staege. 2,589,638–9, Mar. 18.
Paper machinery. S. A. Staege. 2,619,011, Nov. 25.
Papermaking machine. R. C. Heys. 2,618,205, Nov. 18.
Papermaking machine. W. K. Metcalfe. 2,622,343, Dec. 23.
Paper, Manifolding. D. A. Newman. 2,582,149, Jan. 8.
Paper mill felt. E. H. Hall. 2,612,100, Sept. 30.
Paper moistener, Splashproof. R. G. Olden. 2,594,486, Apr. 29.
Paper package. D. M. Scoville. 2,600,927, June 17.
Paper pulp coating of coils. G. Camilli, W. F. M. Gray, and L. Mulligan. 2,602,035, July 1.
Paper pulp screen plates and support means for the same. V. Johnson. 2,588,533, Mar. 11.
Paper pulps, Making. D. M. Sutherland. 2,591,106, Apr. 1.
Paper punch. W. H. Misson. 2,587,749, Mar. 4.
Paper receiving and holding clip. J. F. Sipior. 2,618,453, Nov. 18.
Paper reinforcing machine. S. J. Baisch and H. C. Lee. 2,614,054, Oct. 14.
Paper rewinding shaft, Collapsible. R. E. Torregrossa and R. D. Babington. 2,594,095, Apr. 22.
Paper roll holder. K. Baar. 2,586,501, Feb. 19.
Paper roll holder. W. G. Balz. 2,602,601, July 8.
Paper roll holder. L. O. Cantrell. 2,613,041, Oct. 7.
Paper roll holding device. W. Benke. 2,622,814, Dec. 23.
Paper roll support. A. A. Kottmann. 2,613,881, Oct. 14.
Paper, Selectively demetalizing condenser. G. L. Mellen and V. C. Hall, Jr. 2,597,511, May 20.
Paper shredding machine. F. T. Lee. 2,621,567, Dec. 16.
Paper stock analyzer. G. S. Witham. 2,615,329, Oct. 28.
Paper, Synthetic resin coated. W. W. Cowgill. 2,597,087, May 20.
Paper trimmer. S. Segal. 2,591,472, Apr.
Paper web guide mechanism. J. R. Baumgartner. 2,595,325, May 6.
Paper winding and smoothing device. A. E. Weaver. 2,592,090, Apr. 8.
Paper winding machine. G. Roen. 2,599,942, June 10.
Paraboloic reflector. S. J. Mason. 2,605,415, July 29.
Parachute. H. J. Moran. 2,581,808, Jan. 8.
Parachute apparatus. J. R. C. Quilter. 2,611,565, Sept. 23.
Parachute apparatus. P. F. Smith. 2,610,008, Sept. 9.
Parachute attachment for model gliders. W. J. Cotter. 2,587,699, Mar. 4.
Parachute connector link. P. N. Hillesheim. 2,594,018, Apr. 22.
Parachute deploying means. P. F. Smith. 2,610,815, Sept. 16.
Parachute ground release, Automatic. M. Hattan. 2,582,990, Jan. 22.
Parachute pack and container. C. E. Thompson. 2,583,905, Jan. 29.
Parachute pack and harness construction. L. L. Irvin. 2,589,086, Mar. 11.
Parachute pack container and back rest, Adjustable. J. Martin. 2,610,007, Sept. 9.
Parachute, Paper. L. G. L. Thilén. 2,601,343, June 24.
Parachute release. W. H. Hunt and G. S. Smith. 2,607,159, Aug. 19.
Parachute release for kites. H. L. Bird. 2,598,030, May 27.
Parachute release mechanism. G. B. Brown. 2,616,369, Nov. 4.
Parachute unfastener. L. A. V. Rozas. 2,581,557, Jan. 8.
Paraffin knife, Chemically heated. B. A. Cabaniss. 2,590,931, Apr. 1.
Paraffin removing and preventing apparatus. P. L. McLean. 2,598,280, May 27.
Paraffin wax-styrene isobutylene copolymer composition. D. W. Young and W. J. Sparks. 2,595,911, May 6.
Paraformaldehyde, Production of. B. W. Greenwald and W. B. Hughes. 2,593,669, Apr. 22.
Para-halogenphenyl-pyridyl-alkanones. K. Hoffmann and E. Tagmann. 2,585,550, Feb. 12.
Parallax correction circuit. G. E. White, R. L. Graef, and C. J. La Forge. 2,611,537, Sept. 23.
Parallax correction for multilens cameras. F. Waller and R. C. Babish. 2,583,030, Jan. 22.
Parallax corrector for use in gun control. A. K. Mann, L. M. Mott-Smith and L. R. Quarles. 2,591,846, Apr. 8.
Parallel line spacing device for drawing purposes. S. Zaborowski. 2,601,727, July 1.
Parallel panes. C. W. Johnson. 2,581,666, Jan. 8.
Parallel screw machinist's clamp. R. A. Mull. 2,594,794, Apr. 29.

Parallel thrust drive. H. W. Dahly. 2,584,335, Feb. 5.
Parallel wedge gauge. D. E. Stainton. 2,592,757, Apr. 15.
Paralleling attachment for drill and cutting tools. H. R. Klein. 2,621,408, Dec. 16.
Parallelogram mounting for guns. O. Wasem. 2,601,807, July 1.
Paramagnetic gas analyzer. G. M. Foley and R. H. Cherry. 2,603,964, July 22.
Paramagnetic gas analyzer. R. S. Medlock. 2,603,965, July 22.
Parasiticide composition. O. H. Hammer. 2,590,818, Mar. 25.
Para-tertiary butylcyclohexanyl acetate. M. Bollmann and E. Kroning. 2,582,743, Jan. 15.
Parcel carrier. W. Olson. 2,608,328, Aug. 26.
Parking apparatus, Vehicle. R. L. Sinclair. 2,602,557, July 8.
Parking arrangement with movable vehicle carrying platforms. K. R. Medway. 2,605,911, Aug. 5.
Parking coin depository. H. P. Compton. 2,593,985, Apr. 22.
Parking control for windshield wipers. E. Latta and A. J. Wollanski. 2,611,116, Sept. 16.
Parking device, Vehicle attached. T. F. and F. C. Hall. 2,593,024, Apr 15.
Parking lot way control. F. P. Dunn. 2,581,788, Jan. 8.
Parking meter. R. Broussard. 2,596,124, May 13.
Parking meter. R. F. Broussard. 2,618,371, Nov. 18.
Parking meter. D. C. Rockola. 2,593,191, Apr. 15.
Parking meter. W. N. Woodruff. 2,599,881, June 10.
Parking meter advertising device. C. L. Sandahl, Jr., and J. O. Hopkins. 2,616,196, Nov. 4.
Parking meter collection receptacle. R. Broussard. 2,580,401, Jan. 1.
Parking way control system. F. P. Dunn. 2,588,502, Mar. 11.
Partial condensation of vapors. L. Massiot. 2,617,758, Nov. 11.
Partial esters. H. Wittcoff. 2,590,911, Apr. 1.
Partial oxidation of hydrocarbons using gaseous sulfur trioxide. W. H. Reeder, III. 2,590,124, Mar. 25.
Partial product multiplying machine. H. T. Avery. 2,598,095 May 27.
Partial synthesis of progesterone. F. W. Heyl and M. E. Herr. 2,601,287, June 24.
Partially dehydrated chrysotile fiber and making. M. S. Badollet and W. C. Streib. 2,616,801, Nov. 4.
Partially hydrogenated furfuraldehydeketone reaction products thickened under acidic conditions. M. T. Harvey. 2,600,403, June 17.
Particle contacting apparatus. J. H. Stephens. 2,608,473, Aug. 26.
Particle source. J. H. Coleman. 2,611,878, Sept. 23.
Parting windshield wiper motor of the oscillating piston type. D. H. Stoltenberg. 2,593,626, Apr. 22.
Partition. W. T. Sermens. 2,609,436, Sept. 2.
Partition assembling machine. R. J. Hickin. 2,594,924, Apr. 29.
Partition construction. J. B. Campbell. 2,612,243, Sept. 30.
Partition structure and making it. F. D. Bergstein. 2,593,092, Apr. 15.
Partition supporting clip. F. M. Thomas. 2,605,525, Aug. 5.
Partitioned carrier and making it. W. A. Ringler. 2,623,683, Dec. 30.
Partitioned-container. J. M. Reaves. 2,606,710, Aug. 12.
Party line identification dial. L. B. Mitchell. 2,581,689, Jan. 8.
Party line identification in automatic telephony. J. E. Ostline. 2,603,712–13, July 15.
Party line identification system. O. Myers. 2,619,546, Nov. 25.
Party line metering system. C. E. Lomax. 2,623,937, Dec. 30.
Party line reverting call by directory number. P. Bakker. 2,602,120, July 1.
Party line station signaling system. A. H. Inglis and L. E. Krebs. 2,604,545, July 22.
Passenger accommodations for railway cars and similar vehicles. G. K. Murphy. 2,583,960, Jan. 29.
Passenger cable railway for endless-rope operation. G. Wallmannsberger. 2,608,161, Aug. 26.
Passenger car type two-speed axle. V. E. Murray. 2,585,028, Feb. 12.
Paste wax. Preparation of. R. W. Pressing, G. P. Lawless, and B. J. Pettibone. 2,592,466, Apr. 8.
Paster and hold-down means for labeling machines. F. Elsner. 2,582,019, Jan. 8.
Pasteurizer. E. W. Losee. 2,623,449, Dec. 30.
Pasteurizer. H. B. Saunders. 2,607,566, Aug. 19.
Pasteurizer, Plate type. R. P. L. Hytte. 2,623,736, Dec. 30.
Pastry box. H. W. Brown. 2,588,957, Mar. 11.
Pasty vehicle for artist's paint. B. J. Mellwig. 2,594,273, Apr. 29.
Patch reinforcement. T. E. Vassar. 2,589,168, Mar. 11.
Path-selection control arrangement for primary-secondary switching systems. R. P. Boyer, Jr. 2,587,103, Feb. 26.
Patient handling attachment for bathtubs. C. V. Dorr. 2,582,586, Jan. 15.
Patten. J. V. Beveridge. 2,599,740, June 10.
Pattern and pattern making. K. T. Rinderle. 2,620,529, Dec. 9.
Pattern chain cylinder for dobby looms. W. A. Blanchard. 2,612,189, Sept. 30.
Pattern control for sewing machines, Automatic. A. and J. Kramer. 2,609,769, Sept. 9.
Pattern device for circulator knitting machines. H. Diem. 2,611,253, Sept. 23.
Pattern fixture for making molds for turbines. C. H. Paul and B. F. Vogelaar. 2,611,161, Sept. 23.
Pattern for horizontal casting systems. W. H. Johnson. 2,621,381–2, Dec. 16.
Pattern for vertical casting systems. W. H. Johnson. 2,622,289, Dec. 23.
Pattern former, Adjustable. J. Klakovich. 2,585,136, Feb. 12.
Pattern lathe. C. L. Moore. 2,589,017, Mar. 11.
Pattern machine. D. Malocchi. 2,589,105, Mar. 11.
Pattern marker for looms. E. Kreft and A. Eichelberger. 2,610,653, Sept. 16.
Pattern mechanism for dobby looms. I. C. Morris. 2,587,507, Feb. 26.
Pattern roll table. A. L. Mishler. 2,608,780, Sept. 2.
Pattern scribing tool. C. L. Eldh. 2,581,179, Jan. 1.
Pattern stencil for use in molding decorative wall facings, Changeable. H. M. Dufford. 2,616,145, Nov. 4.
Pattern tracer assembly. C. E. Greene and R. B. Lesher. 2,608,896, Sept. 2.
Pavement breaking machine. W. V. Cornett. 2,613,928, Oct. 14.
Pavement marker. G. F. Carroll. 2,599,230, June 3.
Paving block. V. Trief. 2,605,681, Aug. 5.
Paving dowel supporting structure. J. S. Stewart. 2,618,038, Nov. 18.
Paving machine, Road. R. C. Bohannan, H. M. Pickard, and H. R. Horning. 2,591,502, Apr. 1.
Pawl and ratchet mechanism for lathe tailstocks. W. G. Hoelscher. 2,608,120, Aug. 26.
Pawl mechanism and assembly. W. L. Vervest and G. van Gelder. 2,593,226, Apr. 15.
Pay-off reel. J. L. Losinski and J. E. Schwermer. 2,598,572, May 27.
Pay station time signal. T. F. McCarthy. 2,602,119, July 1.
Pea sheller. C. V. Cataldo. 2,616,434, Nov. 4.
Pea sheller. W. M. Severance. 2,619,968, Dec. 2.
Peach half orientor. E. R. Dudley, Jr. 2,610,724, Sept. 16.
Peach pitter. L. W. Waters. 2,605,796, Aug. 5.
Peach pitting apparatus. L. W. Waters. 2,584,519, Feb. 5.
Peach pitting device. L. Vanderhoofven. 2,618,305, Nov. 18.
Peach pitting head. W. de Back and F. H. Luhdorff. 2,582,785, Jan. 8.
Peak load limiter. J. A. Deubel. 2,617,000, Nov. 4.
Peaked pulse generator. C. A. Bergfors. 2,598,491, May 27.
Peanut blanching machine. P. Green. 2,605,797, Aug. 5.
Peanut harvester pickup. J. D. Stevens. 2,595,177, Apr. 29.
Peanut harvesting apparatus. H. W. Beaver. 2,593,383, Apr. 15.
Pear coring machine. E. Altman. 2,588,790, Mar. 11.
Pear feeding and orienting apparatus. B. C. Coons. 2,581,634, Jan. 8.
Pear feeding and orienting apparatus. B. C. Coons. 2,603,331, July 15.
Pear peeling mechanism. H. A. Skog. 2,594,361, Apr. 29.
Pebble heat exchanger. L. J. Weber. 2,614,824, Oct. 21.
Pebble heater. M. A. Ryan. 2,584,621, Feb. 5.
Pebble heater and converting hydrocarbons. R. K. Simms. 2,614,968, Oct. 21.
Pebble heater apparatus. R. Berkemeyer. 2,614,823, Oct. 21.
Pebble heater apparatus. L. J. Weber. 2,620,175, Dec. 2.
Pebble heater apparatus and heat exchange. C. Alexander and H. A Dutcher. 2,585,984, Feb. 19.
Pebble heater chamber design. R. R. Goins. 2,582,116, Jan. 8.
Pebble heating chamber. S. P. Robinson. 2,593,345, Apr. 15.
Pebble heating chamber. L. J. Weber. 2,615,703, Oct. 28.
Pectin penicillin preparation. H. Welch. 2,603,583, July 15.
Pectinase-free diastase, Preparation of. C. V. Smythe and C. E. Neubeck. 2,599,532, June 10.
Pectinesterase, Preparation of. C. V. Smythe, B. B. Drake, and J. A. Miller. 2,599,531, June 10.
Pedal, Bicycle. J. H. Countryman. 2,605,649, Aug. 5.
Pedal, Bicycle. A. Isaac. 2,603,104, July 15.
Pedal boat propulsion means. I. S. Wells. 2,592,498, Apr. 8.
Pedal controlled collapsible linkage for centrifugal clutches. H. Nutt. 2,596,040, May 6.
Pedal crank hub for bicycle frames, Adjustable. H. Connolly. 2,602,677, July 8.
Pedal for bicycles or like vehicles. T. Albers. 2,587,270, Feb. 26.
Pedal for brakes and accelerators, Single. P. Ménard. 2,620,050, Dec. 2.
Pedal for foot brake pedals, Auxiliary. J. R. Ruscito and M. J. Damon. 2,600,267, June 10.

Pedal propelled driving mechanism for bicycles and the like. W. J. Patterson. 2,581,877, Jan. 8.
Pedal reflector. H. Brammer. 2,592,238, Apr. 8.
Peeler, Fruit. J. G. Salido. 2,602,481, July 8.
Peeling machine. E. H. Lupton. 2,620,002, Dec. 2.
Peeling machine, Portable vegetable. H. Pearlman. 2,613,712, Oct. 14.
Peg game board. B. Joseph. 2,614,841, Oct. 21.
Peg top. D. L. Gallaher. 2,619,769, Dec. 2.
Pellet-cutting mechanism. L. F. Street. 2,614,290, Oct. 21.
Pellet crusher pressure gauge. G. K. Hartmann. 2,620,652, Dec. 9.
Pellet dispensing device. R. W. Wilson. 2,603,383, July 15.
Pellet injector. S. Eriksen and H. D. White. 2,620,796, Dec. 9.
Pen. H. Kochendoerffer. 2,588,015, Mar. 4.
Pen. Antileak fountain. B. F. Miessner. 2,597,664, May 20.
Pen assembly, Writing. H. C. Klagges. 2,601,846, July 1.
Pen, Ball point. J. F. Thull. 2,593,365, Apr. 15.
Pen, Ball point fountain. H. C. Frentzel. 2,580,753, Jan 1.
Pen, Ball point fountain. H. C. Frentzel. 2,583,142, Jan. 22.
Pen, Ball tip fountain. B. J. Bodnar. 2,606,530, Aug. 12.
Pen clip. E. Bartlett. 2,588,692, Mar. 11.
Pen clip. C. F. Norlin. 2,595,974, May 6.
Pen device, Retraciable. F. C. Wallace. 2,587,935, Mar. 4.
Pen for scribers, Adjustable lettering. J. L. Poetzsch. 2,582,275, Jan. 15
Pen, Fountain. M. S. Baker and H. H. Zodtner. 2,612,867, Oct. 7.
Pen, Fountain. J. Černý. 2,584,843, Feb. 5.
Pen, Fountain. A. N. Coskey. 2,590,943, Apr. 1.
Pen, Fountain. D. Kahn and K. Weisser. 2,605,746, Aug. 5.
Pen, Fountain. N. McKay. 2,603,188, July 15.
Pen, Fountain. H. F. Moonert. 2,623,227, Dec. 30.
Pen, Fountain. X. W. Morgan. 2,602,424, July 8.
Pen, Fountain. J. M. Morris. 2,582,391, Jan. 15.
Pen, Fountain. J. A. Mustard. 2,620,774, Dec. 9.
Pen, Fountain. A. G. Ross. 2,621,628, Dec. 16.
Pen, Fountain. M. Segre. 2,603,189, July 15.
Pen, Fountain. J. A. Shea. 2,602,422, July 8.
Pen, Fountain. J. A. Smith. 2,602,423, July 8.
Pen, Fountain. R. T. Wing. 2,581,739–40, Jan. 8.
Pen, Fountain. F. D. Woods. 2,593,082, Apr. 15.
Pen, Fountain. H. H. Zodtner. 2,587,949, Mar. 4.
Penholder and inkstand, Desk type. J. Sanchis. 2,591,616, Apr. 1.
Pen nib attachment. J. I. Albrich. 2,619,071, Nov. 25.
Pen nib, Fountain. R. T. Wing. 2,602,425, July 8.
Pen of the ball point type, Fountain. W. G. Faltin. 2,592,406, Apr. 8.
Pen, Play. W. E. Hawley, Jr. 2,590,315, Mar. 25.
Pen Point, Fountain. L. A. Paul. 2,600,426, June 17.
Pen, Reservoir. E. V. Wagner. 2,606,529, Aug. 12.
Pen, Reservoir type ruling. A. V. Almazar. 2,619,069, Nov. 25.
Pen supporting head for replaceable ink containers. G. P. Morgan. 2,585,488, Feb. 12.
Pen, Veterinary. C. B. Hutchings. 2,616,392, Nov. 4.
Pen with porous writing nib and reservoir filled with absorbent material, Fountain. A. P. Patch. 2,593,599, Apr. 22.
Pen with protractable and retractable point, Fountain. K. Weisser and D. Kahn. 2,605,745, Aug. 5.
Pencil attachment for dialing telephones. H. W. Sams. 2,601,129, June 17.
Pencil coupling. H. Swanson. 2,610,077, Sept. 9.
Pencil, Eyebrow. A. M. Filak. 2,606,527, Aug. 12.
Pencil, Four-color magazine. F. Wagner. 2,589,905, Mar. 18.
Pencil, Mechanical. C. Merryman. 2,613,643, Oct. 14.
Pencil, Mechanical lead. D. Steuck. 2,604,876, July 29.
Pencil, Mechanical lead. K. J. Svensson. 2,587,786, Mar. 4.
Pencil, Paper dispensing. A. H. Walter, A. N. Florence and R. H. Lendh. 2,601,650, June 24.
Pencil point sharpener. W. V. Eakins. 2,605,747, Aug. 5.
Pencil point sharpener. D. W. von Kameniczky. 2,613,645, Oct. 14.
Pencil sharpener. A. O. Basson. 2,593,649, Apr. 22.
Pencil sharpener. G. N. Fryer. 2,615,426, Oct. 28.
Pencil sharpener. F. Swinehart. 2,584,064, Jan. 29.
Pencil sharpener. G. E. Wimmer. 2,591,756, Apr. 8.
Pencil sharpener, Pencil actuated. W. R. Lehmann. 2,615,427, Oct. 28.
Pencil with cushioned lead holding means, Screw feed type. P. A. Sharrow. 2,604,070, July 22.
Pencil with finger operable lead projecting and retracting means, Mechanical lead. V. Votruba. 2,583,069, Jan. 22.
Pendant mounting for lighting fixtures and the like. E. B. Sperry. 2,602,623, July 8.
Pendulum damping device for elevation meters. J. D. Eisler. 2,613,449, Oct. 14.
Pendulum limb support crutch. C. E. Bodnar. 2,585,730, Feb. 12.
Pendulum motors, particularly for clocks, Electrically maintained. S. Gold. 2,600,754, June 17.
Pendulum retaining means. C. Rothweiler. 2,600,266, June 10.
Pendulum scale lock. L. D. Singleton. 2,617,642, Nov. 11.
Pendulum-type ball check valve. F. R. Long. 2,603,450, July 15.
Penetrometer. C. M. Hansen. 2,607,218, Aug. 19.
Penicillin amides. D. B. Cooper. 2,593,852, Apr. 22.
Penicillin mold and jelly, Production of. , A. J. Quirk. 2,609,322, Sept. 2.
Penicillin, Production of. E. K. Frederiksen and E. J. Nielsen. 2,611,733, Sept. 23.
Penicillin, Production of. R. J. Hickey. 2,615,830, Oct. 28.
Penicillin salt of (1,1-dimethyl-2-hydroxypropyl) amine. V. V. Young. 2,587,574, Feb. 26.
Penicillin salts of amines derived from rosin. L. C. Cheney. 2,585,436, Feb. 12.
Penicillin salts, Production of. E. Frederiksen and E. J. Nielsen. 2,595,068, Apr. 29.
Penlite voltage and continuity tester, Combination. D. N. Lauder. 2,616,952, Nov. 4.
Pentachlorodimethoxymethanotetrahydroindene. J. W. Dawson and W. J. Croxall. 2,588,215, Mar. 4.
Pentaenes, Making. J. D. Surmatis. 2,610,208, Sept. 9.
Pentaenes, Manufacture of. H. Lindlar and R. Rüegg. 2,610,207, Sept. 9.
Pentaerythritol manufacture. C. W. Gould. 2,612,526, Sept. 30.
Pentaerythritol, Manufacture of. H. Jackson and G. G. Jones. Re. 23,584, Nov. 18.
Pentaerythritol, Production of. M. O. Robeson and S. A. Blundell, Jr. 2,612,525, Sept. 30.
Pentaerythritol tetranitrate product. S. D. Ehrlich. 2,597,926, May 27.
Pentaerythrityl phosphates, Preparation of. G. C. Daul and J. D. Reid. 2,583,549, Jan. 29.
Pentaerythrityl phosphoric acid esters of cellulose and making the same. G. C. Daul and J. D. Reid. 2,592,544, Apr. 15.
Pentode tube. G. Lehmann. 2,607,020, Aug. 12.
Peptone and amino acid containing extracts from press water, Preparation of. C. Dranksholt. 2,590,517, Mar. 25.
Percentage time division multiplex for pulse code modulation. L. A. Meacham. 2,603,714, July 15.
Percolator, Electric. E. Kollsch. 2,610,283–4, Sept. 9.
Percolator, Rapid. W. W. Gaskell, Jr. 2,608,927, Sept. 2.
Percussion rock drill. E. Craig. 2,584,330, Feb. 5.
Percussion tool. J. H. Anderson. 2,584,246, Feb. 5.
Percussion tool. R. Bassinger. 2,584,978–9, Feb. 12.
Percussion tool. K. L. Berninger. 2,602,360, July 8.
Percussion tool. C. T. Cole. 2,588,360, Mar. 11.
Percussion tool. E. H. Dickenson. 2,597,574, May 20.
Percussion tool for wells. R. Bassinger. 2,619,324, Nov. 25.
Peresters of oxo-substituted monoperoxycarboxylic acids. F. F. Rust, A. R. Stiles, and W. E. Vaughan. 2,608,571, Aug. 26.
Perfluorinated cyclohexyl carboxylic acid and cyclohexyl acetic acid and derivatives. A. R. Diesslin, E. A. Kauck, and J. H. Simons. 2,593,737, Apr. 22.
Perfluorination. E. T. McBee, R. M. Robb and W. B. Ligett. 2,614,129, Oct. 14.
Perfluoro-alkyl-cyclohexanes. E. T. McBee, and W. B. Ligett. 2,606,212, Aug. 5.
Perfluoroalkyl isocyanates. A. H. Ahlbrecht and D. R. Husted. 2,617,817, Nov. 11.
Perfluorosebacic acid. R. A. Guenthner. 2,606,206, Aug. 5.
Perforated multiple ply bag. J. W. Meaker. 2,593,328, Apr. 15.
Perforated pattern mechanism for looms. J. L. Reynolds, Sr. 2,600,128, June 10.
Perforated soap-enclosing cover. G. Lambert. 2,611,144, Sept. 23.
Perforated-tape control of high-speed tabulating-card punches. A. Ryffel and C. P. Rehsteiner. 2,595,889, May 6.
Perforating apparatus. J. G. Pessina. 2,621,738, Dec. 16.
Perforating gun for well casings. J. O. Tow. 2,605,834, Aug. 5.
Perforating machine. R. T. Firminger. 2,608,282, Aug. 26.
Perforator control mechanism. J. R. Anderson. 2,607,421, Aug. 19.
Performance indicating means for use with dynamometers. E. L. Cline. 2,603,968, July 22.
Periodic mercury switch mechanism. M. F. Maurer. 2,602,865, July 8.
Perishable product processing cabinet. W. A. Olson. 2,584,494, Feb. 5.
Permanent core. A. Bajrovic. 2,583,248, Jan. 22.
Permanent dunnage. T. O'Dell. 2,593,174, Apr. 15.
Permanent magnet assembly, Adjustable. R. F. Edgar. 2,587,299, Feb. 26.
Permanent magnet core meter. A. H. Lamb. 2,588,394, Mar. 11.
Permanent-magnet damping assembly for integrating meters. T. D. Barnes. 2,605,301, July 29.
Permanent magnet operated valve. E. P. DeCraene and E. G. Schmidt. 2,589,188, Mar. 11.
Permanent magnet roll. A. C. Clonse. 2,588,085, Mar. 4.

Permanent magnet system for loudspeakers. P. G. A. H. Voigt. 2,581,223, Jan. 1.
Permanent-signal indicating system. J. Michal. 2,591,579, Apr. 1.
Permanent size indicia for clothes and method. B. H. Jenkins. 2,621,501, Dec. 16.
Permanent type packing means for wells. J. C. Webber. 2,609,879, Sept. 9.
Permanently attaching commercial hair to live hair. C. M. Jenkins. 2,621,663, Dec. 16.
Permanently fusible diallyl ester copolymers and compositions of nitrocellulose therewith. R. R. Whetstone and T. W. Evans. 2,585,359, Feb. 12.
Permeability tuner. G. Shapiro and R. O. Stone. 2,586,870, Feb. 26.
Permeability tuned variable inductance. W. Y. Pan. 2,621,324, Dec. 9.
Permutation code group selector. R. K. Potter. 2,589,130, Mar. 11.
Permutation code printing receiver. T. I. Ress. 2,619,533, Nov. 25.
Peroxide treatment of fatty oils. L. P. Wiebe. 2,588,902, Mar. 11.
Person alerting device. N. C. Powlison. 2,582,277, Jan. 15.
Personal equipment for aircraft pilots. R. E. Darling. 2,602,608, July 8.
Personal equipment for aircraft pilots. R. E. Darling. 2,621,875, Dec. 16.
Perspective drafting device. E. E Hurst and J. W. Paxton. 2,590,252, Mar. 25.
Pessary. A. C. Butts. 2,618,261, Nov. 18.
Pest control. J. P. Buckmann. 2,618,582, Nov. 18.
Pest control coating compositions. C. V. Coash. 2,621,163, Dec. 9.
Pest destroyer, Electrical. R. D. and E. E. Canfield. 2,592,654, Apr. 15.
Pesticidal compositions comprising N-vinyl carbazole and tetraethylpyrophosphate. H. G. Guy. 2,606,139, Aug. 5.
Petroleum oil refining process. B. M. Vanderbilt and A. H. Gleason. 2,614,967, Oct. 21.
Pharmaceutical composition for use in the treatment of keretin. W. O. Elson. 2,614,962, Oct. 21.
Phase advance circuit. C. M. Gilbert. 2,590,528, Mar. 25
Phase and frequency modulation. G. C. Ahler and P. Buffet. 2,581,780, Jan. 8.
Phase balance of 3-phase inverter. E. Levy, Jr. 2,610,991, Sept. 16.
Phase comparison object locating system. J. P. Blewett. 2,608,683, Aug. 26.
Phase correction filter circuit. J. J. Roark. 2,623,947, Dec. 30.
Phase detector circuit. D. MacRae, Jr. 2,582,596, Jan. 15.
Phase discriminator. R. L. Campbell. 2,593,842, Apr. 22.
Phase measuring device. G. R. Logan. 2,580,803, Jan. 1.
Phase microscopy. F. Zernike. 2,616,334, Nov. 4.
Phase modifier. S. Minneci. 2,595,869, May 6.
Phase modulated inductive output tube oscillator system. H. G. Bruyning. 2,617,091, Nov. 4.
Phase modulation apparatus. H. Chireix. 2,614,245, Oct. 14.
Phase modulation system. M. V. Kalfaian. 2,615,986, Oct. 28.
Phase modulator. A. Hazeltine. 2,590,969, Apr. 1.
Phase sequence and voltage direction indicator. W. Du Broff. 2,581,178, Jan. 1.
Phase-shift circuit. W. H. Elliot. 2,593,280, Apr. 15.
Phase shift torque meter. C. C. Waugh. 2,621,514, Dec. 16.
Phase shifter. M. Denis and P. Palluel. 2,607,031, Aug. 12.
Phase shifting network. B. D. Bedford. 2,598,437, May 27.
Phase shifting network. A. H. Mittag. 2,598,433, May 27.
Phase shifting network. M. G. Pawley. 2,606,966, Aug. 12.
Phase shifting network. J. C. Price. 2,598,432, May 27.
Phased antenna array. R. G. Clapp, S. H. Colodny, and B. Wise. 2,622,198, Dec. 16.
Phenol aldehyde adhesive containing a chromium compound. C. N. Cone. 2,612,481, Sept. 30.
Phenol-aldehyde-amine anion exchange resin. D. G. Braithwaite and J. S. D'Amico. 2,582,098, Jan. 8.
Phenol-formaldehyde condensation products and producing same. W. G. Simons. 2,593,926, Apr. 22.
Phenol-formaldehyde resin and products thereof, Making. P. G. Schrader and A. M. Partansky. 2,620,321, Dec. 2.
Phenol formaldehyde-rye flour-sodium hydrosulfite containing adhesive composition. L. E. Clark, Jr. 2,580,890, Jan. 1.
Phenol phthaldehyde resins and preparing same. L. H. Brown. 2,621,165, Dec. 9.
Phenol-thiazyl thio methyl urea reaction products. M. W. Harman. 2,607,757, Aug. 19.
Phenolic compounds. F. J. Hermann. 2,623,891, Dec. 30.
Phenolic derivatives, Producing. D. B. Luten, Jr. and A. De Benedictis. 2,586,070, Feb. 19.
Phenolic molding compound. C. H. Hempel. 2,611,759, Sept. 23.
Phenolic-oil modified alkyd-copal resinous compositions. J. J. Keyes. 2,586,344, Feb. 19.
Phenolic resins that produce light-colored varnish coatings, Preparation of. J. L. Jones. 2,587,578, Mar. 4.
Phenothiazine derivatives and their preparation. P. Charpentier. 2,595,215, May 6.
Phenoxyethyl - dimethyl - dodecyl-ammonium halides. M. Hartmann and W. Bosshard. 2,581,336, Jan. 8.
Phenyl ester of p-aminosalicyclic acid. S. A. Freire. 2,604,488, July 22.
Phenyl-piperidino-coumarans. H. Henecka. 2,589,378, Mar. 18.
Phenyl pyridyl carbinol ethers. R. S. Shelton and C. H. Tilford. 2,606,194, Aug. 5.
Phenyl silicon trichloride, Preparation of. A. J. Barry, L. De Pree and D. E. Hook. 2,591,668, Apr. 8.
Phenyltrichlorosilane, Preparation of. S. D. Brewer. 2,594,860, Apr. 29.
Phenyl trifluoroethylene. S. G. Cohen. 2,612,528, Sept. 30.
Phenylene diamine-formaldehyde resin preparation. D. Ramondt. 2,582,849, Jan. 15.
Phenylol silanes and resins therefrom. J. L. Speier, Jr. 2,611,777, Sept. 23.
Phloroglucinol derivatives. M. N. Huffman. 2,593,563, Apr. 22.
Phonetic sound-producing dictionary apparatus. C. M MacChesney and E. B. Wenger. 2,603,006, July 15.
Phonograph. J. R. Cambron and D. C. Rockola. 2,611,619, Sept. 23.
Phonograph. G. Carreau. 2,621,047, Dec. 9.
Phonograph. R. R. Carson. 2,595,125, Apr. 29.
Phonograph. B. R. Carson. 2,622,884, Dec. 23.
Phonograph. C. B. Dale. 2,591,515, Apr. 1.
Phonograph. G. H. Leonard. 2,616,705, Nov. 4.
Phonograph. D. C. Rockola. 2,606,765, Aug. 12.
Phonograph. A. C. Ten Cate. 2,594,246, Apr. 22.
Phonograph adaptor for long playing records. P. C. Goldmark and C. H. Youngquist. 2,610,258, Sept. 9.
Phonograph and like sound records, Manufacture of. R. Colombo. 2,616,125, Nov. 4.
Phonograph apparatus. H. E. F. C. Lingenbrink. 2,597,113, May 20.
Phonograph apparatus, Disk type. E. H. Kahn, M. I. Budka, and H. U. Friedman. 2,622,882, Dec. 23.
Phonograph, Automatic. E. F. Andrews. 2,581,345, Jan. 8.
Phonograph, Automatic. R. M. Cain. 2,584,257, Feb. 5.
Phonograph, Automatic. C. G. Johnson. 2,594,563, Apr. 29.
Phonograph, Automatic. C. G. Johnson. 2,614,847, Oct. 21.
Phonograph, Automatic. C. G. Johnson. 2,616,704, Nov. 4.
Phonograph, Automatic. M. W. Kenney. 2,610,858, Sept. 16
Phonograph, Automatic. M. W. Kenney and C. G. Johnson. 2,597,803, May 20.
Phonograph, Automatic record changer. M. James and B. N. Fisher. 2,601,986, July 1.
Phonograph change-speed mechanism. J. H. Sharp. 2,598,138, May 27.
Phonograph, Continuously playing. C. M. Sinnett and H. Belar. 2,617,893, Nov. 11.
Photograph developing agents. E. L. Martin. 2,603,656, July 15.
Phonograph having speaker pickup unit. J. J. Warner. 2,598,026, May 27.
Phonograph mechanism. B. R. Kamler. 2,582,592, Jan. 15.
Phonograph needle. W. E. Kidd and R. L. Metzenberg. 2,614,848, Oct. 21.
Phonograph needle or stylus. E. H. Kahn. 2,619,353, Nov. 25.
Phonograph pickup arm, Adjustable. R. C. Carson. 2,588,616, Mar. 11.
Phonograph pickup arm and mounting. N. F. Martin and A. L. Knox, Sr. 2,619,352, Nov. 25.
Phonograph pickup, Dual stylus. D. J. Munroe. 2,580,694, Jan. 1.
Phonograph pickup, Electrodynamic. K. F. Umpleby. 2,593,633, Apr. 22.
Phonograph pickup, Electronic. E. E. Masterson. 2,603,722, July 15.
Phonograph pickup, Magnetic. D. J. Baker. 2,581,511, Jan. 8.
Phonograph pickup, Moving-coil. H. C. Arentzen. 2,591,996, Apr. 8.
Phonograph pickup, Push-pull resistance type. J. H. McKnight. 2,590,439, Mar. 25
Phonograph pickup stylus, Dual point. N. F. Martin. 2,586,362, Feb. 19.
Phonograph pickup stylus holding device. T. E. Lynch. 2,616,709, Nov. 4.
Phonograph pickup unit. W. E. Cairnes. 2,582,948, Jan. 22.
Phonograph pickup with shock-proof mounting. D. J. Baker. 2,595,561, May 6.
Phonograph, Portable. F. E. Cook. 2,610,857, Sept. 16.
Phonograph record. O. J. Alvarez. 2,587,427, Feb. 26.
Phonograph record. P. C. Doyle and K. H. Rudd. 2,613,152, Oct. 7.

Phonograph record and manufacture. E. D. O'Mahony and G. P. Humfeld. 2,606,851, Aug. 12.
Phonograph record centering and driving means. G. J. Kennedy. 2,619,351, Nov. 25.
Phonograph, Record changer. B. N. Fisher. 2,613,081, Oct. 7.
Phonograph record changer. G. H. Leonard. 2,616,703, Nov. 4.
Phonograph record changer. G. E. Redfield. 2,605,105, July 29.
Phonograph, Record changing. E. Wennerbo and F. A. Svensson. 2,621,048, Dec. 9.
Phonograph record cleaning member. C. W. Stoudt. 2,619,354, Nov. 25.
Phonograph record composition comprising vinyl resin and butadiene - acrylonitrile copolymer. J. W. Ayers. 2,582,704, Jan. 15.
Phonograph record cutting machine. J. R. MacDonald. 2,584,479, Feb. 5.
Phonograph record molding compositions and records. J. W. Ayers. 2,582,741, Jan. 15.
Phonograph records and molding compositions. J. W. Ayers. 2,616,862, Nov. 4.
Phonograph resetting apparatus, Automatic. T. J. Finneran and C. O. Slyfield. 2,602,668, July 8.
Phonograph, Stereopticon. G. P. Bentley and F. R. House. 2,587,433, Feb. 26.
Phonograph stylus. L. J. Andres. 2,599,312, June 3.
Phonograph stylus. B. B. Bauer. 2,583,289, Jan. 22.
Phonograph tone arm positioner. W. L. L. Vivie. 2,601,987, July 1.
Phonograph tone arm supporting and adjusting arrangement. L. C. Ammlung, Jr. 2,587,677, Mar. 4.
Phonograph turntable drive, Multiple-speed. J. D. Cole. 2,606,451, Aug. 12.
Phonographic disks, Instantaneous recording. G. M. Sutheim. 2,607,699, Aug. 19.
Phonographic disks, Manufacture of. A. B. St. Hilaire. 2,594,365, Apr. 29.
Phonographic recording and reproducing device. C. Huenlich and H. F. M. Gramann. 2,603,491, July 15.
Phosphate detergent composition in homogeneous liquid form. S. Machlis and E. B. Michaels. 2,581,677, Jan. 8.
Phosphonic alkylene polyamino acids and producing same. F. C. Bersworth. 2,609,390, Sept. 2.
Phosphoramides, Making. M. Paulshock. 2,613,224, Oct. 7.
Phosphor screens, Making. J. E. Ruedy and F. E. Williams. 2,600,579, June 17.
Phosphoric acid-carbon catalyst, Preparation of a. M. S. Bielawski. 2,580,647, Jan. 1.
Phosphoric acid derivatives and preparing the same. R. P. Parker, D. R. Seeger, and E. Kuh. 2,606,900, Aug. 12.
Phosphoric acid esters of riboflavin, Preparation of. J. F. Weidenheimer and C. C. Reed. 2,603,632, July 15.
Phosphoric acid, Production of. C. M. Tidwell. 2,600,813, June 17.
Phosphorizing apparatus flow gauge. J. R. Wyatt. 2,612,045, Sept. 30.
Phosphorous acid, Preparing. J. W. Lefforge and R. B. Hudson. 2,595,198, Apr. 29.
Phosphorous acid salts and preparing same. J. W. Lefforge and R. B. Hudson. 2,595,199, Apr. 29.
Phosphorus compounds, Production of. C. M. Tidwell. 2,622,963, Dec. 23.
Phosphorus sulfide-turpentine reaction products and lubricants containing the same. F. M. Watkins. 2,607,736, Aug. 19.
Phosphoryl compounds of ester substituted alcohols. W. F. Brucksch, Jr. and L. H. Howland. 2,583,356, Jan. 22.
Phosphorylation of dihydro-riboflavin. L. A. Flexser and W. G. Farkas. 2,604,470, July 22.
Phosphorylation of riboflavin. L. A. Flexser and W. G. Farkas. 2,610,179, Sept. 9.
Photo and photo-transparency enlarging device. H. A. Lehmann. 2,593,318, Apr. 15.
Photocathode. E. E. Sheldon. 2,603,757, July 15.
Photocell. A. Rose. 2,582,850, Jan. 15.
Photocell-filter combination. R. J. Cashman. 2,594,122, Apr. 22.
Photochemical chlorination of hydrocarbons. A. Loverde. 2,590,426, Mar. 25.
Photochemical chlorination process. L. J. Governale, J. H. Hugnet, and C. M. Neher. 2,589,689, Mar. 18.
Photochemical preparation of the delta isomer of benzene hexachloride. F. N. Alquist and K. C. Kauer. 2,606,868, Aug. 12.
Photochlorination of alkyl aromatics with liquid chlorine. P. E. Lawlor. 2,608,532, Aug. 26.
Photocomposing machine. P. Anderson. 2,587,084, Feb. 26.
Photoelectric and thermoelectric device utilizing semiconducting material. K. Lark-Horovitz, S. Benzer, and R. E. Davis. 2,588,254, Mar. 4.
Photoelectric cell control for bowling alleys. H. S. and W. H. Johns. 2,613,933, Oct. 14.
Photoelectric cells, Manufacturing. L. J. M. J. Dubar and R. P. Millet. 2,613,301, Oct. 7.
Photoelectric centering device. D. H. Menzel. 2,604,601, July 22.
Photoelectric controlled device for knitting machines. W. E. Stanley and C. H. Edwards. 2,611,097, Sept. 16.
Photoelectric detector. E. Jellinck. 2,610,232, Sept. 9.
Photoelectric device. F. E. Davis, III. 2,614,226, Oct. 14.
Photoelecrtic device for converting variations in light-intensity into variations in current. M. J. O. Strutt and A. van der Ziel. 2,591,977, Apr. 8.
Photoelectric device for indicating the diminution of light. E. Melli. 2,581,271, Jan. 1.
Photoelectric discharge device. W. H. Kliever and N. T. Stone. 2,601,208, June 17.
Photoelectric exposure control. G. Jacoby. 2,592,035, Apr. 8.
Photoelectric fluid inspection and control device. W. L. Hole. 2,588,981, Mar. 11.
Photoelectric inspection device. J. L. Wagner and R. H. Holmwood. 2,617,048, Nov. 4.
Photoelectric measurement translating means. A. A. Obermaier. 2,604,528, July 22.
Photoelectric plotting densitometer. S. L. Scudder. 2,582,073, Jan. 8.
Photoelectric product sorter. J. J. Larew. 2,602,847, July 8.
Photoelectric recording device. H. W. Hoffman and G. H. Helmer. 2,583,737, Jan. 29.
Photoelectric sorting device. C. Smith. 2,592,202, Apr. 8.
Photoelectric sound reproduction. L. E. Clark. 2,582,964, Jan. 22.
Photoelectric system. D. Packard and N. B. Schrock. 2,596,591, May 13.
Photoelectrically controlled system for detecting suspended matter in fluids. H. C. Grant, Jr. 2,620,385, Dec. 2.
Photoengraving. A. E. Dirkman. 2,592,546, Apr. 15.
Photoengraving equipment. T. Hommel. 2,600,295, June 10.
Photoflash bomb, Shock wave actuated. R. G. Clarke, H. G. Derbyshire, H. S. Edwards, and F. J. Shore. 2,603,155, July 15.
Photoflash bulb supporting and ejecting means. C. F. Brundage. 2,596,687, May 13.
Photoflash ignition apparatus and method. W. H. Fritz. 2,584,858, Feb. 5.
Photoflash system. R. A. Stein and L. S. Wasserman. 2,609,523, Sept. 2.
Photofluorographic apparatus. C. M. Tuttle and R. H. Morgan. 2,595,430, May 6.
Photogrammetrically constructing topographical maps, Method and apparatus for. D. St. John. 2,608,763, Sept. 2.
Photograph retouching apparatus. P. W. Ball. 2,585,423, Feb. 12.
Photographic camera, Automatic. W. Bornemann. 2,588,954, Mar. 11.
Photographic carbon tissue. J. F. Hansman and M. J. Jurisch. 2,590,857, Apr. 1.
Photographic color correction. R. B. Collins, D. J. Fry, and O. E. Pratt. 2,595,768, May 6.
Photographic color correction process. D. C. Gresham. 2,600,756, June 17.
Photographic composing machine. R. J. Taylor, Sr. 2,585,188, Feb. 12.
Photographic developers. M. S. Raasch. 2,603,659, July 15.
Photographic developers comprising an N,N-dialkyl-p-phenylenediamine and a benzene sulfonate. P. W. Vittum and G. W. Kerridge. 2,618,558, Nov. 18.
Photographic developers comprising bis-(di-hydroxyalkyl aminomethyl)-hydroquinones. T. S. Donovan and F. R. Bean. 2,604,399, July 22.
Photograpic developing tank. L. R. Spaulding. 2,608,923, Sept. 2.
Photographic development of color on textile and other materials. F. Isherwood and W. S. Miller. 2,623,821, Dec. 30.
Photographic device for producing legends on negatives. R. E. Tuttle. 2,602,369, July 8.
Photographic element and tinted film base. C. S. Hunter, F. W. Hoyt, and G. F. Nadeau. 2,622,026, Dec. 16.
Photographic element containing a processing liquid. W. J. McCune, Jr. 2,600,064, June 10.
Photographic element containing unsymmetrical oxonol filter and antihalation dyes. G. H. Keyes and L. G. S. Brooker. 2,611,696, Sept. 23.
Photographic elements containing azo dyes and process using them. B. Gaspar and P. D. Dreyfuss. 2,612,448, Sept. 30.
Photographic elements having a light-sensitive silver halide layer and a stripping layer composed of a polyvinyl pyridine quaternary salt and using such elements. J. Q. Umberger. 2,612,446, Sept. 30.
Photographic elements having an anchoring substratum composed of a water-insoluble vinylpyridine polymer. F. P. Alles and W. R. Saner. 2,606,832, Aug. 12.
Photographic elements with light-filtering layers. W. R. Saner. 2,606,834, Aug. 12.
Photographic emulsions. C. K. Sloan. 2,599,494, June 3.
Photographic emulsions containing symmetrical tetranuclear dye salts. L. C. Hensley. 2,592,515, Apr. 8.
Photographic emulsions containing symmetrical tetranuclear dyestuffs. L. C. Hensley. 2,586,164, Feb. 19.
Photographic emulsions containing 2,5-dimethoxytetrahydrofuran. W. A. Stanton. 2,585,596, Feb. 12.

Photographic emulsions containing unsymmetrical tetranuclear cyanine dyes. T. R. Thompson. 2,611,695, Sept. 23.
Photographic emulsions, Preparing. E. H. Hewitson and J. A. McClintock. 2,618,556, Nov. 18.
Photographic emulsions, Preparing. H. C. Yutzy and G. F. Frame. 2,614,928, Oct. 21.
Photographic emulsions, Preparing. H. C. Yutzy and F. J. Russell. 2,614,929, Oct. 21.
Photographic enlarging mask. J. A. Konopka. 2,589,094, Mar. 11.
Photographic film, Antistatic. F. W. H. Mueller. 2,584,362, Feb. 5.
Photographic film, Antistatic. F. W. H. Mueller. 2,591,590, Apr. 1.
Photographic film assembly comprising a photosensitive layer and another layer hingedly connected together. E. H. Land. 2,616,805, Nov. 4.
Photographic film containing hardened gelatin. M. T. Orlnik. 2,593,912, Apr. 22.
Photographic film forming image transfer composition. E. H. Land. 2,603,565, July 15.
Photographic film magazine. H. D. Kirby and C. F. Krause. 2,592,158, Apr. 8.
Photographic film processing apparatus. H. W. Sachs. 2,584,294, Feb. 5.
Photographic film with antihalation layer. S. A. Glickman. 2,606,833, Aug. 12.
Photographic filter and antihalation layers containing 3 - (benzylidene) - sulfo-oxindoles. R. A. Copeland. 2,622,980, Dec. 23.
Photographic method for producing boundary lines. E. Zieger and L. Frank. 2,618,554, Nov. 18.
Photographic microrecording apparatus. E. L. Johnson. 2,615,365, Oct. 28.
Photographic multilayer stripping film. J. H. Coote and W. H. Gathercole. 2,590,296, Mar. 25.
Photographic multilayer stripping films. J. H. Coote and W. H. Gathercole. 2,609,291, Sept. 2.
Photographic objective lens system. G. Kleineberg and O. Zimermann. 2,622,478, Dec. 23.
Photographic paper, Making. E. Jahoda. Re. 23,510, June 10.
Photographic print making machine. W. Bornemann and D. J. Albert. 2,582,001, Jan. 8.
Photographic printing apparatus. J. Rabinowitz. 2,607,266, Aug. 19.
Photographic printing plate. W. G. Mullen. 2,598,189, May 27.
Photographic process, Direct-positive. C. J. Nowak and R. S. Colt. 2,607,684, Aug. 19.
Photographic processing. P. Ralbourn. 2,612,447, Sept. 30.
Photographic processing apparatus. E. H. Heyer and E. Z. Walters. 2,580,779, Jan. 1.
Photographic product. W. J. McCune, Jr. 2,612,452, Sept. 30.
Photographic product comprising a light-sensitive dinzonium compound, a coupler and a rupturable containing means holding ammonia under pressure. E. H. Land. 2,600,996, June 17.
Photographic product comprising an additive color screen, a silver halide layer, and a rupturable container, and a process of additive color photography. E. H. Land. 2,614,926, Oct. 21.
Photographic product comprising a plurality of rupturable containers, each carrying a liquid for processing said product. E. H. Land. 2,607,685, Aug. 19.
Photographic product, including a container and means for rupturing said container. E. H. Land. 2,612,451, Sept. 30.
Photographic projection printing mechanism. P. S. Pirmov. 2,592,735, Apr. 15.
Photographic reproduction apparatus with constant exposure time regardless of the scale of reproduction. H. J. A. de Goeij. 2,596,376, May 13.
Photographic reproduction of designs in distorted forms. K. J. Snyder. 2,617,337, Nov. 11.
Photographic reversal process using high-intensity flash exposure. G. I. P. Levenson. 2,592,298, Apr. 8.
Photographic sensitive element, Making a. W. Robijns. 2,611,716, Sept. 23.
Photographic shutter with built-in synchronizer. J. A. Henne. 2,602,384, July 8.
Photographic shutter with time delay mechanism. L. Goldhammer. 2,619,171, Nov. 25.
Photographic silver bromide emulsion containing some silver iodide. E. P. Davey and E. B. Knott. 2,592,250, Apr. 8.
Photographic silver halide emulsions. P. F. De Smet and A. E. van Dormael. 2,610,121, Sept. 9.
Photographic silver transfer product and process, including a lead salt. E. H. Land. 2,584,029, Jan. 29.
Photographic stand. E. D. Markle. 2,599,269, June 3.
Photographic stripping film. G. F. Nadeau, C. B. Starck, and C. F. Smith. 2,614,932, Oct. 21.
Photographic system for moving target indication. R. M. Ashby and J. H. Muncy. 2,586,772, Feb. 26.
Photographic toning and resensitizing process. A. M. Gundelfinger. 2,587,841, Mar. 4.
Photographic triplet objective. P. H. Taylor. 2,582,302, Jan. 15.
Photographic waveform recorder for cathode-ray tube indentors. E. M. Williams. 2,584,175, Feb. 5.
Photographically sensitive diazotype element. S. C. Slifkin and W. Beese. 2,591,309, Apr. 1.
Photographically varying one dimension of an object with respect to another. F. H. Bartz. 2,607,268, Aug. 19.
Photographing a track or object longer than the camera field of view. D. R. Herman. 2,618,195, Nov. 18.
Photographing printing forms. G. L. Morrison. 2,609,293, Sept. 2.
Photomechanical copy method. E. C. Yackel. 2,596,754, May 13.
Photomechanical copy method. H. C. Yutzy and E. C. Yackel. 2,596,756, May 13.
Photometric analyzer. E. C. Miller. 2,612,608, Sept. 30.
Photometric apparatus. J. E. Tyler. 2,601,182, June 17.
Photometric device. H. Kott. 2,582,835, Jan. 15.
Photometric device. J. E. Tyler. 2,586,746, Feb. 19.
Photomultiplier coincidence circuit. R. E. Thomas. 2,595,552, May 6.
Photomultiplier tube circuit. L. F. Wouters. 2,594,703, Apr. 29.
Photoprinting apparatus. H. H. Hillmer and H. P. Orent. 2,614,469, Oct. 21.
Photoprinting device. B. H. Klyce. 2,600,168, June 10.
Photosensitive coating. H. C. Staehle. 2,604,388, July 22.
Photosensitization of polymeric cinnamic acid esters. L. M. Minsk, W. P. Van Deusen, and E. M. Robertson. 2,610,120, Sept. 9.
Phototube amplification. L. C. Kelsey. 2,608,128, Aug. 26.
Photovoltaic device. S. Benzer. 2,622,117, Dec. 16.
Phthalamidate substituted ortho phosphoric acids and their salts. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,606,203, Aug. 5.
Phthalic anhydride from 3.4.0 bicyclic nonyl hydrocarbon, Preparation of. F. T. Wadsworth. 2,586,128, Feb. 19.
Physiotherapy traction table. O. L. Hastings and F. H. Vaughn. 2,593,675, Apr. 22.
Phytotoxic composition and use thereof. J. S. Newcomer. 2,618,545, Nov. 18.
Piano action. S. C. Shill. 2,620,700, Dec. 9.
Piano action flanges, Making. L. M. Martin. 2,610,358, Sept. 16.
Piano construction. H. G. Nickel. 2,600,910, June 17.
Piano keyboard regulator. N. Krausz. 2,587,049, Feb. 26.
Piano tuning pin. H. E Warren. 2,588,440, Mar. 11.
Pick sack. T. J. Semmes. 2,605,801, Aug. 5.
Pick-up arrangement for agricultural leading machines. E. H. Appel. 2,597,218, May 20.
Pickup conveyer for harvesting machines. B. Lemanski. 2,615,296, Oct. 28.
Pickup device for color television. C. E. Huffman. 2,589,386, Mar. 18.
Pickup fender. A. A. Roth. 2,617,674, Nov. 11.
Pickup for harvesters. R. G. Bruner. 2,606,416, Aug. 12.
Pickup head with removable armature and stylus assembly. D. J. Baker. 2,622,156, Dec. 16.
Pickup stick, Invalid's. S. L. Stogsdill and B. F. Rassieur. 2,597,400, May 20.
Pickup tube. A. Rose. 2,617,954, Nov. 11.
Pickup tube beam-interrupting circuit. F. J. Somers. 2,611,820, Sept. 23.
Pickup utility device. F. S. Taylor. 2,604,350, July 22.
Pick wheel operated loom stop motion mechanism. L. H. Rockwell. 2,599,584, June 10.
Picker stick. J. J. Cox. 2,606,576, Aug. 12.
Picker stick. D. L. Norris, Sr. 2,600,019, June 10.
Picking and pruning attachment to be mounted on trucks. I. D. Cardiff. 2,601,092, June 17.
Picking bag. C. W. Heltmeyer. 2,620,004, Dec. 2.
Picking fowl. A. W. Sharp. 2,596,443, May 13.
Picking machine. A. J. Kay. 2,590,326, Mar. 25.
Picking mechanism for underpick looms. J. J. Vincent and F. Davies. 2,621,680, Dec. 16.
Picking motion for underpick looms. K. Schwabe. 2,601,874, July 1.
Picking of granular products. M. J. de Goeje. 2,596,470, May 13.
Picket fence construction. W. G. Funck. 2,584,690, Feb. 5.
Picket header. K. T. Hansen. 2,600,055, June 10.
Picket shaping machine. H. L. Peterson. 2,586,253, Feb. 19
Pickling. Y. Murata. 2,580,943, Jan. 1.
Pickling bath foaming agent. J. W. Carroll. 2,614,081, Oct. 14.
Pickling bath for metals. W. H. Hill and D. K. Shipley. 2,596,150, May 13.
Pickling chromium alloys. W. E. Caugherty. 2,598,889, June 3.
Pickling inhibitor. W. H. Hill. 2,586,331, Feb. 19.
Pickling metals. M. D. Barnes. 2,585,616, Feb. 12.
Picnic box. J. H. Whitesel. 2,615,541, Oct. 28.
Picnic server. R. B. Rottau. 2,623,656, Dec. 30.
Picture apparatus, Changeable. M. R. Hutchison, Jr. 2,618,087, Nov. 18.
Picture art set. A. Hahn. 2,588,321, Mar. 4.
Picture display apparatus with duration of display controlled by the picture carrier. H. A. Boushey. 2,618,197, Nov. 18.

Picture frame. E. O. Borglin and H. D. MacKenzie. 2,613,467, Oct. 14.
Picture frame. F. Diekmann. 2,602,254, July 8.
Picture frame. F. J. Edwards. 2,581,843, Jan. 8.
Picture frame. N. H. Osburn. 2,616,197, Nov. 4.
Picture frame. H. Trask. 2,581,733, Jan. 8.
Picture frame. L. V. J. Winslow. 2,614,354, Oct. 21.
Picture frame with variable display areas. G. Rosenberg and L. Spiselman. 2,593,195, Apr. 15.
Picture mount of interchangeable sections. C. N. Cross. 2,603,018, July 15.
Picture reproducing apparatus. A. C. Schroeder. 2,595,548, May 6.
Picture screen stand. L. J. Du Mais and F. J. Prokop. 2,591,686, Apr. 8.
Picture screen stand. L. J. Du Mais and F. J. Prokop. 2,595,647, May 6.
Picture viewer mechanism. A. C. Parlini, E. Hascher, and H. Recker. 2,583,442, Jan. 22.
Picture viewing device. F. B. Ingram. 2,583,510, Jan. 22.
Picture viewing device. O. R. Nemeth. 2,608,902, Sept. 2.
Pie and cake division indicator. S. A. Urshan. 2,614,328, Oct. 21.
Pie and tart fluter. E., and L. P. Pakaluk. 2,619,035, Nov. 25.
Pie container. J. Hurst. 2,602,540, July 8.
Pie crimping and sealing device. J. Roman. 2,611,328, Sept. 23.
Piecrust lifter. H. M. Kellogg. 2,613,977, Oct. 14.
Piecrust mix, Nonsogging. C. G. Harrel, R. O. Brown, and M. H. Kimball. 2,586,945, Feb. 26.
Pie dispenser. L. B. Schroeder. 2,622,912, Dec. 23.
Pie dough trimmer and sealer. R. A. Waugeman. 2,598,626, May 27.
Pie holder. J. A. Harrell. 2,598,789, June 3.
Pie juice retainer. G. J. Rosenberger. 2,589,140, Mar. 11.
Pie making machine. J. A. Abel and P. W. Mercer. 2,588,454, Mar. 11.
Pie-making machine. E. L. Sheehan. 2,602,556, July 8.
Piepan lifting and handling implement. D. R. Stillabower. 2,613,979, Oct. 14.
Pie-pan support. P. Schneeweiss. 2,583,887, Jan. 29.
Pie plate depositor. D. W. Smith. 2,595,013, Apr. 29.
Pie top cutter. M. S. Clough. 2,618,852, Nov. 25.
Pier, Portable. I. J. Wanless. 2,592,626, Apr. 15.
Piercer for nipples for bottles. H. P. De Green. 2,620,428, Dec. 2.
Piercing valve. J. W. McDonald. 2,608,989, Sept. 2.
Piezoelectric crystal apparatus. J. M. Wolfskill. 2,595,037, Apr. 29.
Piezoelectric crystal frequency discriminator. H. R. Summerhayes. 2,594,091, Apr. 22.
Piezoelectric transducer with push-pull and feedback circuit. J. P. Arndt, Jr. 2,594,841, Apr. 29.
Piezoelectric type switching relay. A. C. Keller. 2,587,482, Feb. 26.
Pigtail electric connector. M. A. Graham and C. H. Thompson. 2,589,368, Mar. 18.
Pigment coloring. A. E. Van Wirt and G. F. Jones. 2,586,188, Feb. 19.
Pigment coloring compositions containing a reaction product of melamine, formaldehyde, glycerine, and an alkylolamine. G. F. Jones. 2,616,861, Nov. 4.
Pigmentary materials. F. W. Lane. 2,615,006, Oct. 21.
Pigmented cellulose fiber. W. L. Craig. 2,599,093, June 3.
Pigmented cellulosic pulp, Production of. W. L. Craig. 2,583,548, Jan. 29.
Pigmented rayon, Production of. R. A. Morse. 2,598,066, May 27.
Pigmented silicone elastomers. T. A. Te Grotenhuis. 2,610,167, Sept. 9.
Pigments from 2-chloro-5-aminoethylbenzene-4-sulfonic acid and beta naphthol. F. H. Adams. 2,598,483, May 27.
Pile construction. B. C. Gerwick. 2,620,633, Dec. 9.
Pile-driving attachment. C. L. Guild. 2,616,267, Nov. 4.
Pile fabric floor covering and pile yarn therefor made from cleaned and degreased wool sliver. W. F. Moody. 2,587,505, Feb. 26.
Pile fabric loom. S. P. Parker. 2,610,652, Sept. 16.
Pile fabrics, Making. F. P. Groat. 2,590,608, Mar 25.
Pile fabrics, Manufacture of. P. Shaw. 2,592,201, Apr. 8.
Pile fabrics, Method and apparatus for making. K. Hamilton, Jr. 2,600,241, June 10.
Pile wire. F. P. Groat and H. W. Hill. 2,590,609, Mar 25.
Pile wire for stationary wire Wilton looms. R. R. Cady. 2,619,990, Dec. 2.
Pillar lock. E. N. Jacobi. 2,605,631, Aug. 5.
Pillow and case, Traveler's. F. C. Ritchey. 2,618,790, Nov. 25.
Pillow block. R. D. Beatty, Jr. 2,620,244, Dec. 2.
Pillow block bearing and mounting therefor. R. H. Whiteley. 2,591,222, Apr. 1.
Pillowcase and bed sheet, Combined. A. M. Hahne. 2,586,031, Feb. 19.
Pillow, Compartmented. R. M. Sourbeck. 2,589,303, Mar. 18.
Pillow cushion. M. H. Sherman. 2,591,306, Apr. 1.
Pilot and main burner unit. E. A. Jones. 2,599,457, June 3.
Pilot burner and flame retaining means. L. R. A. McGuire. 2,591,458, Apr. 1.
Pilot controlled diaphragm-type valve. J. O. Hruby, Jr. 2,608,213, Aug. 26.
Pilot controlled gas pressure regulator. J. K. Hamilton. 2,593,557, Apr. 22.
Pilot controlled gate and by-pass valve. D. G. Griswold 2,619,110, Nov. 25.
Pilot controlled multiport valve. O. W. Johnson. 2,611,392, Sept. 23.
Pilot for aircraft, Automatic. A. P. Glenny. 2,604,074, July 22.
Pilot for vaporizing burners. C. S. Greer, Jr. 2,602,495, July 8.
Pilot gauge. E. Frankland. 2,592,409, Apr. 8.
Pilot ignition. R. H. Sheppard. 2,612,146, Sept. 30.
Pilot lamp mounting tool. S. G. Calfee. 2,601,260, June 24.
Pilot light lamp and socket structure. J. F. Beal. 2,599,361, June 3.
Pilot operated diaphragm valve. F. E. Obermaier. 2,623,542, Dec. 30
Pilot operated fluid pressure control valve. G. F. Maglott. 2,610,647, Sept. 16.
Pilot operated solenoid controlled valve. O. J. Maha. 2,616,449, Nov. 4.
Pilot-operated valve. M. Clausen and C. Matthiesen. 2,613,689, Oct. 14.
Pilot operated valve. C. B. Ives. 2,593,564, Apr. 22.
Pilot-operated valve. P. Spence. 2,611,218, Sept. 23.
Pilot operated valve with automatic holding means. A. Manhartsberger. 2,622,612, Dec. 23.
Pilot or relay valve. H. Escher. 2,582,626, Jan. 15.
Pilot relay valve. S. S. Di Maggio, Jr. 2,614,583, Oct. 21.
Pilot valve. R. D. McLeod. 2,588,552, Mar. 11.
Pilot valve controlled tracer valve. E. G. Roehm. 2,618,244, Nov. 18.
Pilot valve for hydraulic main valves, Balanced. A. Garde. 2,615,466, Oct. 28.
Pilot wire control for automatic reclosing circuit breakers. W. L. Sprengle. 2,580,858, Jan. 1.
Pilotless aircraft. G. Merrill. 2,603,434, July 15.
Pin: *See*—
Bobby pin.
Corsage pin.
Fabric-reinforced bowling pin.
Hair pin.
Laminated bowling pin.
Locking bobby pin.
Piano tuning pin.
Plastic and metal headed pin.
Safety pin.
Self-closing safety pin.
Self-locking bob pin.
Self-locking coupling pin.
Self-lubricating hinge pin.
Pin and clasp for jewelry. M. C. Meyer. 2,594,475, Apr. 29.
Pin bearing, material therefor, and making. A. F. Knoblaugh. 2,580,436, Jan. 1.
Pin binder. P. H. Dixon. 2,609,580, Sept. 9.
Pincage assembly for bowling pin setting machines. J. J. Scheppe. 2,603,487, July 15.
Pin changer for bowling pin setters. G. A. Montooth. 2,621,045, Dec. 9.
Pin construction, Guarded safety. F. J. Van Dusen and T. Cymmer. 2,604,681, July 29.
Pin curl forming device. O. F. Trippler. 2,608,977, Sept. 2.
Pin cushion. D. L. and E. J. Hunt. 2,605,032, July 29.
Pin doweled bearing cap. P. V. Osborn. 2,609,710, Sept. 9.
Pin feeder. S. J. Gartner. 2,595,071, Apr. 29.
Pin file-fastener. S. Segal. 2,608,732, Sept. 2.
Pin forming and button-pinning mechanism. A. Schmals. 2,591,203, Apr. 1.
Pin opening device. L. G. Hobart. 2,600,769, June 17.
Pin pulling machine. L. and S. Polselli. 2,604,300, July 22.
Pin-resetting mechanism. A. M. Simpson. 2,595,988, May 6.
Pin retainer. B. R. Irving. 2,595,383, May 6.
Pin retaining means. R. B. Cottrell. 2,589,781, Mar. 18.
Pin retaining means. G. K. Newell. 2,587,062, Feb. 26.
Pin setting apparatus for bowling machines. J. V. Whipple, G. P., and E. P. Bentley. 2,621,961, Dec. 16.
Pin-setting apparatus, Power-actuated. T. E. Mead. 2,621,930, Dec. 16.
Pinticket manufacturing and attaching machine. R. W. Clauss. 2,580,408, Jan. 1.
Pinticket manufacturing and attaching machine. R. W. Clauss. 2,590,088, Mar 25.
Pin tumbler lock. V. S. D. Bernardo. 2,620,649, Dec. 9.
Pin unloader. S. J. Gartner and M. G. Hasselman. 2,600,052, June 10.
Pin-wheel feeding device for stationery. F. E. Lanegan. 2,599,648, June 10.
Pinless skirt hanger. Clifford E. Currier. 2,608,324, Aug. 26.
Pinacolone peroxide. H. A. Walter. 2,591,645, Apr. 1.
Pinch valve. W. F. Butler. 2,595,511, May 6.
Pinch valve. V. W. Farris. 2,600,493, June 17.
Pine gum distillation. L. A. Goldblatt, N. C. McConnell, and H. B. Snmmers, Jr. 2,598,684, June 3.
Pinking scissors, Making. E. M. Lieberman. 2,590,024, Mar. 18.
Pintle hook. L. R. Buckendale and E. V. Elconin. 2,609,213, Sept. 2.
Pip selector. R. B. Woodbury. 2,597,214, May 20.

Pipe: *See*—
Composite pipe.
Cradle invert subsoil drainage pipe.
Flexible pipe.
Foldable smoking pipe.
Moisture-absorbing smoking pipe.
Pulp screen flow pipe.
Reinforced concrete pipe.
Self-lighting pipe.
Silo filler pipe.
Smoker's pipe.
Smoking pipe.
Tobacco pipe.
Well drilling pipe.
Pipe. H. E. Plough. 2,611,374, Sept. 23.
Pipe anchor, Insulated. T. F. M. Williamson. 2,611,567, Sept. 23.
Pipe and cigar holder attachment. J. L. Barbara. 2,582,618, Jan. 15.
Pipe and gasket joint. W. A. Sesher. 2,589,876, Mar. 18.
Pipe and making same. F. F. Jenkins. 2,596,490, May 13.
Pipe and tubing bender. J. D. Benfield. 2,584,537, Feb. 5.
Pipe bender. L. De Paoli. 2,620,848, Dec. 9.
Pipe bending and layout table. J. L. Blake and J. Cochran. 2,604,924, July 29.
Pipe-bending machine. E. Senna. 2,614,605, Oct. 21.
Pipe bending machine, including skid lifting device. S. L. Ballard. 2,589,651, Mar. 18.
Pipe bit. S. P. Sharron. 2,587,069, Feb. 26.
Pipe chuck. W. B. Pridy and R. C. Howard. 2,587,893, Mar. 4.
Pipe clamp. P. E. Slaughter. 2,621,384, Dec. 16.
Pipe clamp. H. O. Stotts. 2,603,525, July 15.
Pipe clamp. G. B. Webster. 2,587,940, Mar. 4.
Pipe cleaner. W. A. Frank. 2,620,497, Dec. 9.
Pipe-cleaning apparatus, Expandible fluid actuated. D. K. Stephens. 2,604,647, July 29.
Pipe-cleaning device. L. H. Johnson. 2,601,614, June 24.
Pipe coating and wrapping machine. J. D. Cummings. 2,583,819, Jan. 29.
Pipe coupler, Irrigation. W. H. and W. W. Stout. 2,617,667, Nov. 11.
Pipe coupler seal. G. Cornelius. 2,620,206, Dec. 2.
Pipe coupler with lock. O. O. Beymer. 2,621,061, Dec. 9.
Pipe coupling. E. W. Fishback. 2,591,531, Apr. 1.
Pipe coupling. V. L. Frantz. 2,600,162, June 10.
Pipe coupling. R. E. Risley and G. D. Kish. 2,588,573, Mar. 11.
Pipe coupling. A. H. Salmond and T. Denluck. 2,581,047, Jan. 1.
Pipe cutter. D. Grimaldi. 2,622,323, Dec. 23.
Pipe cutter. J. R. Jobe. 2,594,654, Apr. 29.
Pipe cutting apparatus. J. L. Hunt. 2,586,824, Feb. 26.
Pipe-cutting apparatus. F. H. Mathey. 2,594,191, Apr. 22.
Pipe-cutting machine. E. G. Livesay. 2,623,742, Dec. 30.
Pipe-cutting machine. S. G. Marinovich. 2,623,285, Dec. 30.
Pipe driver. J. L. Haston. 2,599,989, June 10.
Pipe end finishing machine. O. R. Smith. 2,587,398, Feb. 26.
Pipe extractor. S. L. Handforth. 2,584,801, Feb. 5.
Pipe fitting. C. H. Crawley. 2,584,845, Feb. 5.
Pipe fitting. A. N. Watson. 2,615,733, Oct. 28.
Pipe flash welder. S. Maike. 2,623,973, Dec. 30.
Pipe for smoking tobacco and baffle unit. D. F. Green. 2,595,572, May 6.
Pipe handling mechanism. G. B. Pace. 2,610,888, Sept. 16.
Pipe handling sling. V. J. Knudsen. 2,598,921, June 3.
Pipe hanger. H. L. and O. C. Kindorf. 2,616,645, Nov. 4.
Pipe holder. G. E. Kletzke. 2,606,056, Aug. 5.
Pipe holder. W. A. Sigrist. 2,615,581, Oct. 28.
Pipe holding slip. W. L. Pearce. 2,580,828, Jan. 1.
Pipe inspecting apparatus. R. K. Cadwell. 2,609,728, Sept. 9.
Pipe joint. G. J. Burke. 2,613,088, Oct. 7.
Pipe joint. J. M. Coyner. 2,583,041, Jan. 22.
Pipe joint. A. E. Osborn. 2,590,565, Mar. 25.
Pipe joint. J. A. Roberts. 2,588,987, Mar. 11.
Pipe joint. W. W. Weltmer. 2,583,401, Jan. 22.
Pipe joint fitting. E. W. Kaiser. 2,592,574, Apr. 15.
Pipe joint sealing compound. L. Aronberg. 2,623,830, Dec. 30.
Pipe joints, Making. A. C. Arbogast. 2,598,338, May 27.
Pipe latching means. A. L. Stone. 2,619,234, Nov. 25.
Pipe laying apparatus. N. A. Yount. 2,589,181, Mar. 11.
Pipe layout gauge. R. O. Sekki. 2,607,126, Aug. 19.
Pipe-lifting device. E. J. Handley. 2,594,429, Apr. 29.
Pipe line cleaner and locator. I. R. Brenholdt. 2,601,248, June 24.
Pipe-line cleaning device. B. Ver Nooy. 2,622,255, Dec. 23.
Pipe line cradle. L. Perrault. 2,581,971, Jan. 8.
Pipe line heater. W. O. Moran. 2,618,293, Nov. 18.
Pipe line metering device with bearing protection mechanism. E. T. Young. 2,615,335, Oct. 28.
Pipe line scraper and location transmitter. I. B. Brenholdt. 2,601,249, June 24.
Pipe-line scraper trap assembly. B. Ver Nooy. 2,589,170, Mar. 11.
Pipe line stopper. W. E. Preston, A. L. Cappelen, and D. B. Miller. Re. 23,526, July 22.
Pipe line tapping machine. V. L. Du Bois. 2,601,434, June 24.
Pipeline transportation of solid materials. W. M. Cross, Jr. 2,610,901, Sept. 16.
Pipeline transportation of solid materials and petroleum products. W. M. Cross, Jr. 2,610,900, Sept. 16.
Pipeline transportation of soluble granular materials. W. M. Cross, Jr. 2,610,899, Sept. 16.
Pipe loading device. W. B. Pridy. 2,617,547, Nov. 11.
Pipe lowering clamp. C. L. Kelso. 2,617,678, Nov. 11.
Pipe machining tool. J. T. Montgomery. 2,607,376, Aug. 19.
Pipe marking device. H. P. Thrower. 2,611,183, Sept. 23.
Pipe mold. H. T. Jobe. 2,623,260, Dec. 30.
Pipe or hose conduit with heating means. E. A. A. Axelson. 2,583,761, Jan. 29.
Pipe plug. O. F. Anderson. 2,607,370, Aug. 19.
Pipe plugs or the like, Manufacture of. P. A. Estok. 2,593,126, Apr 15.
Pipe reaming and burring attachment for pipes. T. A. Caliendo. 2,610,530, Sept. 16.
Pipe releasing means. C. R. Edwards. 2,586,015, Feb. 19.
Pipe scraper, Fluid propelled. A. J. Carver. 2,609,556, Sept. 9.
Pipe shaping apparatus. C. R. Croson. 2,589,541, Mar. 18
Pipe sling. W. B. Pridy. 2,617,677, Nov. 11.
Pipe spinner. A. L. Stone. 2,582,724, Jan. 15.
Pipe support. R. M. Shaver. 2,601,964, July 1.
Pipe suspending device. M. R. Jones. 2,582,700, Jan. 15.
Pipe testing machine. J. Hahn. 2,610,651, Sept. 16.
Pipe thickness testing apparatus. A. C. Hudson. 2,595,380, May 6.
Pipe vise, Fluid actuated. O. C. Norton. 2,603,994, July 22.
Pipe vise, Pivoted yoke. R. W. Voaper. 2,616,320, Nov. 4.
Pipe vise, Portable. R. M. Starbuck and A. R. Joy. 2,619,858, Dec. 2.
Pipe welding machine. C. A. Babbitt. 2,613,303, Oct. 7.
Pipe wiper. H. W. Slater. 2,620,504, Dec. 9.
Pipe with smoke baffle. A. V. Abercromble. 2,599,310, June 3.
Pipe wrench of a spring impelled trigger actuator type, Self-adjusting. J. V. Larson. 2,623,428, Dec. 30.
Piperazine, Preparation of. M. J. Culver and L. H. Bock. 2,605,263, July 29.
Piperidine carboxylic acid esters. N. F. Albertson. 2,585,210, Feb. 12.
Piperidine derivatives. L. Berger and J. Lee. 2,599,365, June 3.
Pipette filler, Pressure operated. J. A. White. 2,598,869, June 3.
Pistol sight. L. N. Chambers. 2,610,406, Sept. 16.
Piston. B. H. Barnes and B. S. Minor. 2,587,091, Feb. 26.
Piston. W. E. Brown. 2,619,392, Nov. 25.
Piston. C. S. Clark. 2,621,092, Dec. 9.
Piston. A. G. Herreshoff. 2,581,326, Jan. 1.
Piston. R. M. Rodger. 2,616,772, Nov. 4.
Piston. C. K. Stillwagon. 2,597,829, May 20.
Piston. A. Townhill. 2,601,344, June 24.
Piston and connecting rod aligner. T. E. Brooks. 2,609,208, Sept. 2.
Piston and connecting rod assembly. A. A. Liebe. 2,616,247, Nov. 4.
Piston and independently operated distributing valve for reciprocating piston engines. A. Ivanoff and G. P. E. Howard. 2,590,014, Mar. 18.
Piston and piston ring combination. C. W. Hollingsworth. 2,608,452, Aug. 26.
Piston and valve assembly for hydraulic control devices. J. G. Catranis. 2,592,656, Apr. 15.
Piston apparatus comprising a bell crank cam drive. H. Rinia. 2,590,573, Mar 25.
Piston assembly. A. J. Slemmons. 2,588,666, Mar. 11.
Piston casting machine. A. Townhill. 2,621,380, Dec. 16.
Piston cleaning apparatus. L. L. Luft. 2,616,108, Nov. 4.
Piston construction. N. M. Reiners. 2,610,098, Sept. 9.
Piston construction. W. G. Wellington. 2,596,516, May 13.
Piston construction for internal-combustion engines. D. H. Smith. 2,600,440, June 17.
Piston for fluid pressure cylinders. P. Audemar. 2,623,501, Dec. 30.
Piston grinding machine. C. J. Green. 2,599,987, June 10.
Piston head construction for hydraulic brake cylinders. V. A. D. Shreffler. 2,596,298, May 13.
Piston packing. W. E. O'Shei. 2,612,875, Oct. 7.
Piston packing ring. F. D. Frisby. 2,608,453, Aug. 26.
Piston packing ring. C. A. Marien. 2,589,106, Mar. 11.
Piston packing ring. M. W. Marien. 2,585,952, Feb. 19.
Piston packing ring. M. W. Marien. 2,589,107, Mar. 11.
Piston packing ring. M. W. Marien. 2,600,310, June 10.
Piston packing ring. M. W. Marien. 2,609,260, Sept. 2.
Piston packing ring assembly. W. L. Tatham. 2,594,697, Apr. 29.
Piston packing ring for lubrication. A. Rappl. 2,606,086, Aug. 5.
Piston reforming tool. W. M. Getty. 2,595,668, May 6.
Piston ring. R. H. Colvin. 2,591,920, Apr. 8.
Piston ring. F. Ernest. 2,600,745, June 17.
Piston ring. F. Ernst. 2,602,010, July 1.
Piston ring. T. J. Hoy. 2,609,257, Sept. 2.
Piston ring. L. H. Kennon. 2,623,797, Dec. 30.
Piston ring. R. F. Mason. 2,591,176, Apr. 1.

Piston ring. M. M. Moratta. 2,589,274, Mar. 18.
Piston ring. S. H. Norton. 2,604,367-8, July 22.
Piston ring. S. H. Norton. 2,621,989, Dec. 16.
Piston ring. H. M. Olson. 2,591,190, Apr. 1.
Piston ring. H. P. Phillips. 2,594,986, Apr. 29.
Piston ring. H. P. Phillips. 2,614,899, Oct. 21.
Piston ring. J. F. Shirk. 2,602,715, July 8.
Piston ring. D. M. Smith. 2,589,154, Mar. 11.
Piston ring. E. Szigeti. 2,621,990, Dec. 16.
Piston ring. R. R. Teetor. 2,606,800, Aug. 12.
Piston ring. F. W. Wilkening, H. G. Braendel and C. F. Engelhardt. 2,609,259, Sept. 2.
Piston ring assembly. G. W. Marvin. 2,583,957, Jan. 29.
Piston ring assembly and elements thereof. H. P. Phillips. 2,594,987, Apr. 29.
Piston ring assembly and elements thereof. H. P. Phillips. 2,596,286, May 13.
Piston ring comprising two substantially identical parts, Interlocking. L. M. Westerhouse. 2,607,645, Aug. 19.
Piston ring construction. A. Bergeron. 2,594,282, Apr. 29.
Piston ring gapping machine. G. L. Sundberg and C. A. Marien. 2,583,612 Jan. 29.
Piston ring lock. E. C. Klekhaefer. 2,606,085, Aug. 5.
Piston seal. J. V. Bertrand. 2,591,230, Apr. 1.
Piston sealing assembly. N. S. Reynolds. 2,612,419, Sept. 30.
Piston stabilizing mechanism. J. H. Wiggins and J. W. Allen. 2,606,825, Aug. 12.
Piston structure. J. P. Butterfield. 2,614,009, Oct. 14.
Piston, Strut type. A. Townhill. 2,607,643, Aug. 19.
Piston type differential pressure gauge for rate of flow indicators. M. Taylor. 2,590,583, Mar. 25.
Piston-type pump. H. A. Berliner. 2,604,907, July 29.
Piston type sound generator. C. B. Horsley and G. C. Seavey. 2,587,848, Mar. 4.
Piston valve. W. J. Miller and A. C. Johnson. 2,605,079, July 29.
Piston weighing and assorting machine. W. R. Kahle and E. R. Johnson. 2,612,995, Oct. 7.
Pistons, Manufacture of. L. Sulprizio. 2,620,530, Dec. 9.
Pit discharging apparatus for bowling alleys. S. A. Frye. 2,622,870, Dec. 23.
Pit-level indicator. R. E. Conner and J. W. Taylor. 2,618,155, Nov. 18.
Pit prop. H. Kowalski. 2,623,723, Dec. 30.
Pitter, Fruit. W. J. and C. E. Kruse. 2,582,636, Jan. 15.
Pitter, Olive. M. C. Pastore. 2,590,268, Mar. 25.
Pitting machine, Peach. E. Altman. 2,585,073, Feb. 12.
Pitting peaches, Method and apparatus for. W. A. Kingsbury. 2,622,002, Dec. 16.
Pitch control and feathering mechanism for variable pitch propellers. L. Haworth and C. L. Johnson. 2,611,440, Sept. 23.
Pitch controlling means for rotor blades of helicopters. J. S. Neale. 2,593,335, Apr. 15.
Pitch finder for levels. E. R. Steady. 2,595,109, Apr. 29.
Pitch lock and actuating valve therefor. W. E. Diefenderfer. 2,592,124, Apr. 8.
Pitch propeller, Controllable. E. M. Hughes. 2,584,018, Jan. 29.
Pitch propeller, Jet-driven variable. J. U. Teague. 2,582,893, Jan. 15.
Pitch propeller, Variable. H. Gansert. 2,593,290, Apr. 15.
Pitch propeller, Variable. E. O. Pearson. 2,582,559, Jan. 15.
Pitch propeller for aircraft, Adjustable. A. E. Hawkins. 2,613,752, Oct. 14.
Pitcher and container for paper milk containers, Combination. R. J. Gorey. 2,612,765, Oct. 7.
Pitcher or the like container. E. S. Tupper. 2,610,490, Sept. 16.
Pitch-like compositions. H. W. Nelson. 2,603,592, July 15.
Pitman bearing. E. Dubain. 2,587,825, Mar. 4.
Pivot and bearing assembly. H. A. Hadley. 2,611,659-62, Sept. 23.
Pivot and latch structure for table legs. C. C. Haumerson. 2,621,095, Dec. 9.
Pivot bearing. L. S. Williams. 2,612,415, Sept. 30.
Pivot end contact for electric disconnecting switches. C. H. Bayer. 2,610,276, Sept. 9.
Pivot for plier type tools. H. D. Brock. 2,614,894, Oct. 21.
Pivot for shears. A. A. Lincoln. 2,594,941, Apr. 29.
Pivot joint. C. Barrango. 2,617,671, Nov. 11.
Pivot mounting for kneeler rests or similarly mounted articles. R. C. Patterson. 2,593,177, Apr. 15.
Pivot pin or bolt, Unitary. R. G. Melrose. 2,587,058, Feb. 26.
Pivot structure for phonograph tone arms. T. E. Lynch. 2,604,326, July 22.
Pivotal connection for shears. D. H. Keiser, Jr. 2,607,114, Aug. 19.
Pivotal disk clamp. W. J. Spear. 2,614,783, Oct. 21.
Pivotal fork unit for lift trucks. S. J. Roscoe. 2,605,918, Aug. 5.
Pivotal frame mounting structure for offset printing machine cylinders. L. H. Morse. 2,598,414, May 27.
Pivotal joint for window control mechanism. J. H. Roethel. 2,610,876, Sept. 16.
Pivotal mounting. J. D. Ellis. 2,582,420, Jan. 15.
Pivotally mounted axially traveling tire removing tool. H. G. Lien and W. A. Bishman. 2,621,715, Dec. 16.
Pivotally supported tire bead forcing device. E. E. Edenfield and E. M. Gabriel. 2,581,086, Jan. 1.
Pivoted actuator for both fluid inlet and pressure relief valves. W. B. Watkins and K. W. Erge. 2,615,598, Oct. 28.
Pivoted automatic pinch roll arrangement for continuous processing lines. E. T. Lorig. 2,622,875, Dec. 23.
Pivoted blade mounted on a thimble. L. P. Bruening. 2,611,953, Sept. 30.
Pivoted breech block locking mechanism. B. Sahlin and E. E. Jansson. 2,609,731, Sept. 9.
Pivoted breech closure and lock member. H. Lippert and E. Hepperle. 2,590,981, Apr. 1.
Pivoted bucket closure. C. R. Suda. 2,613,843, Oct. 14.
Pivoted device. A. K. Seemann. 2,613,119, Oct. 7.
Pivoted door supporting clamp. T. C. Tims. 2,594,249, Apr. 22.
Pivoted hand tool. W. V. Daugherty. 2,622,464, Dec. 23.
Pivoted link chain. A. L. Barrett. 2,623,398-9, Dec. 30.
Pivoted load lifting mechanism. M. R. Elliott and G. L. Turner. 2,623,756, Dec. 30.
Pivoted ventilator window of motor road vehicles. J. R. Stanfield and L. N. Hughes. 2,587,781, Mar. 4.
Placer for concrete and the like, Portable. R. C. Hackley. 2,593,556, Apr. 22.
Placing bottles in open bottomed cartons. G. C. Currie, B. D. Dans, and S. R. Arner. 2,603,924, July 22.
Plan position indicator circuits. A. M. H. Jones. 2,622,228, Dec. 16.
Plan position indicator system. W. O. Reed and L. J. Haworth. 2,605,462, July 29.
Planer and thickness indicating attachment therefor. J. S. Ballantine. 2,617,866, Nov. 11.
Planer feed roll. M. E. Dick and B. J. Diekema. 2,604,128, July 22.
Planing bottom for boats. P. R. Crewe. 2,601,836, July 1.
Planing device. C. H. Somerset. 2,581,818, Jan. 8.
Planetary change-speed gear. R. C. Clerk. 2,580,656, Jan. 1.
Planetary change-speed gear. R. C. Clerk. 2,580,891, Jan. 1.
Planetary gear train, Compound. W. L. Carnegie. 2,606,459, Aug. 12.
Planetary gearing. C. C. Martin and D. A. Round. 2,609,713, Sept. 9.
Planetary gearing. K. Rath. 2,621,542, Dec. 16.
Planetary gear arrangement. G. Fleischel. 2,583,556, Jan. 29.
Planetary power transmission device. R. C. Strawn. 2,593,933, Apr. 22.
Planetary type engine. W. S. Pawl. 2,615,436, Oct. 28.
Planimeter. C. O. Miller and E. A. Behmer. 2,596,423, May 13.
Planimetry and quadrature, Method and apparatus for. J. DeMent. 2,587,976, Mar. 4.
Planographic printing. D. A. Newman. 2,582,347, Jan. 15.
Planographic printing plates, Preparing. F. L. Eichner. 2,598,043, May 27.
Plansifter. J. F. Lockwood and J. S. Ball. 2,592,917, Apr. 15.
Plant chopping machine, Electrically controlled. A. B. Hann. 2,592,689, Apr. 15.
Plant flat and plant propagating pots therein, Combination. W. E. Baker. 2,602,268, July 8.
Plant for drying of solid materials. C. O. Rasmussen. 2,610,412, Sept. 16.
Plant for shaping asbestos cement. W. H. Rooksby. 2,593,611, Apr. 22.
Plant for the production of compressed air. C. Keller. 2,590,545, Mar. 25.
Plant for the treatment of the web in the spinning of textile fibers. H. C. M. H. Duesberg. 2,622,281, Dec. 23.
Plant growing apparatus. J. G. Thomas. 2,592,976, Apr. 15.
Plant growth improvement. J. F. Kagy and R. R. McPherson. 2,596,929, May 13.
Plant growth regulants. J. W. Zukel and W. D. Harris. 2,614,917, Oct. 21.
Plant growth regulation. N. Tischler. 2,609,286, Sept. 2.
Plant guard for cultivators. W. C. Lathers, Jr. 2,597,111, May 20.
Plant juice concentrates. G. L. Baker. 2,605,188, July 29.
Plant marker. H. H. Kuefner. 2,595,530, May 6.
Plant protector. E. A. Fitzpatrick. 2,618,102, Nov. 18.
Plant setting implement. W. C. Ritchie. 2,622,550, Dec. 23.
Plant-setting machine. K. G. Åhlén. 2,620,757, Dec. 9.
Plant support. C. S. Prescott. 2,618,902, Nov. 25.
Plant supporting device. J. W. Karsted. 2,601,743, July 1.
Plant thinning machine. L. B. Swafford. 2,582,513, Jan. 15.
Planter. G. R. O'Neil. 2,611,331, Sept. 23.
Planter marker. A. J. Bjerkan. 2,585,992, Feb. 19.
Planting. J. C. McKenna, Jr. 2,592,052, Apr. 8.
Plaster base. R. H. Cutting. 2,590,846, Apr. 1.
Plasterboard clip. J. S. Raynor, Jr. 2,613,416, Oct. 14.

Plasterboard lath clip for metal studding. F. R. Chandler. 2,620,531, Dec. 9.
Plasterboard, scuff resistant paper liner, and process. H. N. Huntzicker and J. K. Wise. 2,590,013, Mar. 18.
Plaster of Paris product, Making. A. R. Ingram and J. J. Eberl. 2,605,191, July 29.
Plaster scratcher. A. S. Williams. 2,597,767, May 20.
Plastic alloy which sets at room temperature. J. P. Lyle, Jr. 2,585,393, Feb. 12.
Plastic and metal headed pin. G. S. Light. 2,611,168, Sept. 23.
Plastic articles, Manufacturing. J. Bailey. 2,597,558, May 20.
Plastic articles, Manufacture of. J. A. Miller. 2,605,506, Aug. 5.
Plastic bearing. L. M. Cotchett. 2,622,949, Dec. 23.
Plastic binding machine. I. Spinner and H. W. Dahly. 2,593,805, Apr. 22.
Plastic cap for attachment of snap fastener sockets and the like. W. I. Jones. 2,622,299, Dec. 23.
Plastic-cased dry cells. A. F. Daniel. 2,620,369, Dec. 2.
Plastic ceramic masses from lamellar organic substances, Manufacturing. R. Lecuir. 2,603,837, July 22.
Plastic compositions and producing the same. L. W. Newton. 2,603,616, July 15.
Plastic compositions comprising biphenylyl esters of aliphatic acids. C. B. Havens. 2,612,489, Sept. 30.
Plastic compositions of acrylonitrile polymers. P. Mosse. 2,585,672, Feb. 12.
Plastic compositions of acrylonitrile ploymers. P. Mosse. 2,592,317, Apr. 8.
Plastic container. W. F. Stahl. 2,620,944, Dec. 9.
Plastic cover for waxed paper containers. D. W. Hill. 2,623,685, Dec. 30.
Plastic edge type filter. R. R. Layte. 2,582,340, Jan. 15.
Plastic indentification sleeve forming machine. F. Albrecht, C. M. Davison, and W. L. Lambdin, Jr. 2,593,514, Apr. 22.
Plastic milk carton holder. C. A. Olson. 2,600,911, June 17.
Plastic molded box. K. W. Irvan. 2,606,708, Aug. 12.
Plastic molding machine. N. Fienberg and A. R. Calder. 2,621,363, Dec. 16.
Plastic, nonhardening explosive composition and forming same. G. B. Kistiakowsky, D. P. MacDougall, E. H. Eyster, and C. A. Weltman. 2,606,109, Aug. 5.
Plastic patch for walls, Reinforced. F. M. Eslick. 2,598,984, June 3.
Plastic refractory. H. H. Greger. 2,619,426, Nov. 25.
Plastic rods and making same, Reinforced. R. J. Francis. 2,602,766, July 8.
Plastic-sealing apparatus. F. V. Collins. 2,589,777, Mar. 18.
Plastic-sealing element. K. F. Spalding. 2,591,383, Apr. 1.
Plastic-sealing machine. K. F. Spalding. 2,595,421, May 6.
Plastic sheet, Preparing a. R. R. Beckham. 2,593,405, Apr. 22.
Plastic shortenings and producing same. F. J. Baur and W. Lange. 2,614,937, Oct. 21.
Plastic thread. J. F. Stalter. 2,589,514, Mar. 18.
Plastic tube manufacture. W. A. Merck and M. W. Olson. 2,616,126, Nov. 4.
Plastic tubing, Method and apparatus for producing. J. Bailey. 2,594,842, Apr. 29.
Plasticization of perhalocarbon polymers. H. J. Passino. 2,600,802, June 17.
Plasticized and stabilized cellulose propionate. W. B. Horback, E. J. Wickson, and W. J. Myles. 2,617,738, Nov. 11.
Plasticized and stabilized lower fatty acid ester of cellulose. E. J. Wickson, W. J. Myles, and W. B. Horback. 2,617,739, Nov. 11.
Plasticized butadiene-acrylonitrile copolymers. P. L. Brandt. 2,608,544, Aug. 26.
Plasticized cellulose acetate-butyrate and cellulose acetate-propionate. A. Bell. 2,592,234, Apr. 8.
Plasticized cellulose triacetate. H. Jones and J. K. Aiken. 2,609,304, Sept. 2.
Plasticized copolymers of acrylonitrile and styrene. E. C. Chapin. 2,580,997, Jan. 1.
Plasticized polyamides and preparation. J. D. Czarnecki. 2,597,855, May 27.
Plasticized polymers. E. W. Gluesenkamp. 2,617,778, Nov. 11.
Plasticized vinyl chloride polymer. J. Dazzi. 2,598,636, May 27.
Plasticized vinyl halide resins and electrical conductors insulated therewith. R. K. Griffith and H. C. Nelson, Jr. 2,617,779, Nov. 11.
Plasticized vinyl resin compositions and preparing the same. G. L. Wheelock. 2,614,094, Oct. 14.
Plasticizer for vinyl halides. O. J. Grummitt, R. E. Blank, and H. F. Schwarz. 2,618,622, Nov. 18.
Plasticizers. W. S. Emerson and R. I. Longley, Jr. 2,585,448, Feb. 12.
Plasticizing rubber. M. F. Torrence. 2,609,405, Sept. 2.
Plasticizing rubber. J. J. Verbanc. 2,609,404, Sept. 2.
Plasticizing natural and synthetic elastomers by incorporation of N-isopropyl thiosalicylamide. E. O. Hook and E. W. Cook. 2,603,617, July 15.
Plate and cup supporting device. H. J. Le Vesconte. 2,603,439, July 15.
Plate and cup supporting device. H. J. Le Vesconte and G. W Plumb. 2,603,440, July 15.
Plate, Baby. D. J. Sanches. 2,588,990, Mar. 11.
Plate blasting machine. W. I. Gladfelter and R. B. Huyett. 2,612,731, Oct. 7.
Plate clamp for plate cylinder of printing presses. H. W. Faeber. 2,621,592, Dec. 16.
Plate clamping mechanism. C. A. Harless and T. H. Johnson. 2,590,010, Mar. 18.
Plate clamping mechanism for printing cylinders. H. W. Faeber. 2,621,590, Dec. 16.
Plate cooler. J. H. Schmidt. 2,600,696, June 17.
Plate filter. J. D. Hisey. 2,603,356, July 15.
Plate hanger. R. Graves. 2,614,778, Oct. 21.
Plate hanger. I. Meline. 2,604,286, July 22.
Plate heat exchanger. R. P. L. Hytte. 2,601,974, July 1.
Plate heat exchanger. R. P. L. Hytte. 2,610,835, Sept. 16.
Plate heat exchanger. A. H. Wakeman. 2,616,671, Nov. 4.
Plateholder. J. Brooks. 2,620,928, Dec. 9.
Plate keyer for radar transmitters. W. M. Andrew. 2,590,836, Apr. 1.
Plate or die for pressing or molding. C. N. Jenkins. 2,606,855, Aug. 12.
Plate, Pie. C. A. Chmielewski. 2,584,379, Feb. 5.
Plate stop mechanism for stereotype plate registering and trimming machines. P. L. Tollison and C. L. Ricards. 2,581,220, Jan. 1.
Plate straining mechanism for use in printing machines. M. Mosegaard. 2,619,904, Dec. 2.
Plate-straining mechanism for use in printing machines. L. C. Seed. 2,590,417, June 3.
Plate type condenser. T. H. Polad. 2,619,328, Nov. 25.
Plate type heat exchanger. C. B. Dalzell. 2,610,834, Sept. 16.
Plate type heat exchanger. W. L. Gross, J. O. P. Hughes, P. H. W. Wolff, and A. Frankel. 2,620,169, Dec. 2.
Plate type heat exchanger support. B. G. Newhall. 2,621,028, Dec. 9.
Plate warmer. V. and W. Kobler. 2,590,418, Mar. 25.
Plating barrel. F. E. Newman. 2,594,061, Apr. 22.
Plating carrier particles with a catalytic metal. O. F. Davis and H. Nack. 2,599,978, June 10.
Plating copper. J. F. Beaver. 2,602,774, July 8.
Plating point assembly for electroplating racks. E. E. Lilles. 2,595,681, May 6.
Plating thickness meter. G. H. Rendel. 2,603,595, July 15.
Plating tube sheets. L. H. Morris and R. W. Parrish. 2,618,846, Nov. 25.
Plateau. M. Lewis. 2,584,392, Feb. 5.
Platen-bed press for simulating cylinder press printing. H. B. Willett. 2,593,713, Apr. 22.
Platen for typewriters. C. C. Goetz. 2,618,372, Nov. 18.
Platen for use with perforating and cutting machines. E. J. Horgan. 2,600,165, June 10.
Platen roller support. M. F. Myers. 2,603,917, July 22.
Platen spacing means for presses. A. F. Moore. 2,586,474, Feb. 19
Platen support and feed roll mechanism. W. A. Dobson. 2,583,636, Jan. 29.
Platform and erecting same, Offshore working. H. A. Wilson. 2,603,068, July 15.
Platform attachment for ladders. M. White. 2,606,079, Aug. 5.
Platform for desks, Insertable. J. R. Jones, F. H. Bloomstran, and V. A. Gronberg. 2,588,844, Mar. 11.
Platform for refrigerator cars, Portable. H. O. McLain and A. L. Blatti. 2,621,084, Dec. 9.
Platform for vehicles, Adjustable. G. A. Neumayr. 2,621,941, Dec. 16.
Platform for vehicles, Elevatable load. N. B. Newton and C. S. E. Stock. 2,603,454, July 15.
Platform laying and platform cover turning machine. E. Quinn. 2,608,701, Sept. 2.
Platform rocking chair. H. E. Brown. 2,584,184, Feb. 5.
Platform roundabout, Vertically undulating. H. P. Jackson. 2,621,929, Dec. 16.
Platform, Shipping. B. E. Richardson. 2,602,944, July 15.
Platinum coated molybdenum grids, Preparing. E. G. Dorgelo, J. W. A. Krol, and H. A. van Meurs. 2,616,777, Nov. 4.
Platinum-containing catalyst, Manufacturing. V. Haensel. 2,623,860, Dec. 30.
Play ball, Shuttlecock type. W. R. Richards. 2,613,935, Oct. 14.
Playpen. C. G. Caldwell, Jr. 2,602,643, July 8.
Play pen, Baby's. R. H. Dawson. 2,587,120, Feb. 26.
Play pen convertible to a bed. C. A. Peebles. 2,586,251, Feb. 19.
Plaything of the rocking horse type. A. Pelley. 2,597,668, May 20.
Play yard, Folding. C. A. Kuniholm. 2,610,331, Sept. 16.
Playing card. P. de Jesús. 2,592,122, Apr. 8.
Playing card receiving, holding, and displaying device. J. J. Hickey. 2,619,350, Nov. 25.
Playing cards. R. W. Bumstead. 2,616,701, Nov. 4.
Pleated drapery. D. J. Handley. 2,623,582, Dec. 30.
Pleating machine. J. J. Frank and J. C. Macy. 2,589,792, Mar. 18.
Pleating of draperies. H. Sherman. 2,595,549, May 6.

Plier type, toggle actuated wrench. F. G. McCann. 2,604,803, July 29.
Plier-wrench with guided jaws. J. B. Zimdars. 2,592,098, Apr. 8.
Pliers. C. L. Ohman. 2,612,806, Oct. 7.
Pliers. W. Sarvie. 2,620,697, Dec. 9.
Pliers. J. J. Sprunger. 2,583,346, Jan. 22.
Pliers, Adjustable. H. H. Manning. 2,592,927, Apr. 15.
Pliers, Adjustable. H. A. Mead. 2,600,512, June 17.
Pliers, Bolt holding. R. P. Wagner. 2,599,676, June 10.
Pliers, Cam actuated crimping. H. P. Dupre. 2,616,316, Nov. 4.
Pliers for bending connecting clips about wire members. G. W. Mount. 2,582,056, Jan. 8.
Pliers for round work. H. L. McAdoo. 2,593,164, Apr. 15.
Pliers for spark plug electrodes. A. M. Pentland. 2,581,439, Jan. 8.
Pliers for straightening or pulling fish tape. R. V. Tays. 2,598,146, May 27.
Pliers for straightening radiator fins. J. W. Johnston. 2,607,249, Aug. 19.
Pliers, Intermediate jaw. I. F. Matthysse and H. P. Dupre. 2,5890,261, Mar. 25.
Pliers, Longnose. C. A. Sundstrand. 2,600,445, June 17.
Pliers, Optical. F. R. Diepen. 2,584,433, Feb. 5.
Pliers, Optical. A. F. Wegs. 2,607,247, Aug. 19.
Pliers, Scoop removal. L. H. Morin. 2,594,789, Apr. 29.
Pliers, Shot splitting. H. G. Frazee. 2,618,994, Nov. 25.
Pliers, Water pump. A. B. Plantz. 2,595,368, May 6.
Pliers, Wire splicing. I. O. Limpus. 2,611,397, Sept. 23.
Pliers, Wire stripping. E. J. Beaulieu and R. E. Thompson. 2,585,080, Feb. 12.
Pliers with interchangeable jaws. E. Kollweck. 2,606,471, Aug. 12.
Pliers with unlocking lever, Snap lock. J. L. Smith and L. H. Eriksen. 2,598,650, May 27.
Plotting apparatus for photogrammetric surveys. H. Wild. 2,600,948, June 17.
Plow. F. T. Court. 2,586,919, Feb. 26.
Plow. J. A. Love. 2,609,742, Sept. 9.
Plow. J. M. Markel. 2,602,389, July 8.
Plow. W. H. Silver and J. I. Cantral. 2,620,717, Dec. 9.
Plow. W. H. Silver and O. W. Oerman. 2,616,351, Nov. 4.
Plow and endless conveyor grading machine, Excavating. W. G. Dunn and B. H. Carr. 2,618,082, Nov. 18.
Plow attachment for tractors, Two-way. O. S. Harbison and G. L. Paine. 2,601,609, June 24.
Plow, Automatic aligning and leveling two-way. J. E. Johnson. 2,601,206, June 24.
Plow colter. O. D. Lutes. 2,596,574, May 13.
Plow, Direct mounted two-way. G. R. Ego. 2,611,301, Sept. 23.
Plow, Disk. R. J. Welcher and C. W. Bingham. 2,618,213, Nov. 18.
Plow for leveling ballast of railway tracks. G. W. Dangerfield. 2,584,675, Feb. 5.
Plow hitch. A. E. Rutter. 2,594,592, Apr. 29.
Plow, Liquid fertilizer. J. S. Bell. 2,619,054, Nov. 25.
Plow, Marine. D. M. Glaser. 2,610,415, Sept. 16.
Plow, Obstruction responsive root cutting. C. W. Jennings. 2,614,476, Oct. 21.
Plow, Quick detachable. W. H. Silver and R. E. Cox. 2,604,834, July 29.
Plow, Reversible. A. R. Coviello. 2,600,359, June 10.
Plow, Reversible. B. M. Mathias. 2,595,277, May 6.
Plow, Reversible. D. C. Moore. 2,591,711, Apr. 8.
Plow, Reversible tractor. W. A. Dexheimer, Jr., and H. N. Pullen. 2,609,740, Sept. 9.
Plow, Rotary disk. O. R. Stephenson. 2,619,017, Nov. 25.
Plow, Rotary snow. M. Garland. 2,598,249, May 27.
Plowshare. E. W. Gledd. 2,596,769, May 13.
Plowshare manufacture. R. O. Greenshields. 2,593,139, Apr. 15.
Plow, Tractor. N. E. Knapp. 2,608,145, Aug. 26.
Plow, Tractor hitched. M. T. Hedquist, D. D. Mayhew, A. Van De Sampel, and A. J. Whalen. 2,618,212, Nov. 18.
Plow, Tractor mounted two-way. C. W. Evans. 2,623,447, Dec. 30.
Plow, Tractor mounted two-way. W. H. Silver and W. V. Lohrman. 2,616,345–6, Nov. 4.
Plow, Trenching. T. P. Flynn. 2,582,538, Jan. 15.
Plow, Two-way. D. L. Carlson. 2,582,478, Jan. 15.
Plow, Two-way. J. E. Dooley. 2,619,016, Nov. 25.
Plow, Two-way. S. Knitoff. 2,582,337, Jan. 15.
Plow type of coal mining machine. D. Pearson and J. Yarmuk. 2,610,841, Sept. 16.
Plucking machine. F. Fisher. 2,607,071, Aug. 19.
Plug: *See*—

Axially movable rotary plug.	High-pressure test plug.
Battery nonspill vent plug.	Jet engine igniter plug.
Bridging plug.	Miniature phone plug.
Collet plug.	Pipe plug.
Dehydrator plug.	Resetting fuse plug.
Demountable casting plug.	Self-sealing test plug.
Electric plug.	Spark plug.
Electrical connection plug.	Tire repair plug.
Fishing plug.	Tumbler lock plug.
Hatch plug.	Wall plug.
	Wash plug.

Plug and receptacle. O. S. Greeson. 2,610,266, Sept. 9.
Plug and vaporizer, Pivotally mounted. W. H. Wellens. 2,611,068, Sept. 16.
Plug catcher and indicator. T. M. Ragan. 2,591,603, Apr. 1.
Plug closure, Expansible. H. H. Armstrong. 2,604,225, July 22.
Plugcock. L. Selnfeld. 2,596,730, May 13.
Plug connector. G. B. Benander. 2,594,850, Apr. 29.
Plug cutter having an ejector. C. F. Schaumleffel. 2,615,245, Oct. 28.
Plug fastener. J. P. Francesco. 2,597,857, May 27.
Plug for drainpipes, Clean-out. E. E. and T. G. Lally. 2,602,168, July 8.
Plug for gate valves, Expanding. J. H. De Frees. 2,596,891, May 13.
Plug for removing paraffin accumulating in oil conduits. H. L. Bilhartz, H. E. Greenwell, and L. E. Davis. 2,603,804, July 22.
Plug gange. W. H. Davies. 2,617,201, Nov. 11.
Plug handling head for well casings. C. J. Carr. 2,615,519, Oct. 28.
Plug-in assembly for high-frequency oscillators, Tunable. I. M. Hetland. 2,597,993, May 27.
Plug-in electrical device. C. J. Bishofberger. 2,583,353, Jan. 22.
Plug or septum for electrolytic cells. M. Eppley. 2,613,234, Oct. 7.
Plug packer. L. A. Leer. 2,604,170, July 22.
Plug-type closure, Expansible. D. R. Green. 2,605,924, Aug. 5.
Plug-type valve. C. P. Graham. 2,621,012, Dec. 9.
Plug valve. L. C. Culp. 2,594,736, Apr. 29.
Plug valve. J. C. Haun. 2,586,650, Feb. 19.
Plug valve. J. Heinen. 2,609,174, Sept. 2.
Plug with blades having elements for piercing and clamping insulated cords, Electric. J. A. Galvao. 2,593,748, Apr. 22.
Plugging agent and process. D. Martin. 2,604,947, July 29.
Plugging device. L. W. Toelke. 2,621,744, Dec. 16.
Plumb bob. O. K. Jackson. 2,592,425, Apr. 8.
Plumb bob. V. Johnson. 2,618,863, Nov. 25.
Plumb bob. D. O. Owens. 2,621,421, Dec. 16.
Plumb bob. L. Suverkrop. 2,594,823, Apr. 29.
Plumb bob device. J. F. Orlando. 2,583,491, Jan. 22.
Plumber's level, Adjustable. C. B. Douglas. 2,594,543, Apr. 29.
Plumbing trap and the like. L. Davis. 2,593,734, Apr. 22
Plunger for clearing waste pipes and drains. G. B. Skibowski. 2,608,695, Sept. 2.
Plunger for inflating pumps. H. J. W. Roll. 2,584,926, Feb. 5.
Plunger guide for marble shooters. F. H. King. 2,600,883, June 17.
Plunger pump with positive plunger actuation, Parallel. M. W. Huber. 2,620,738, Dec. 9.
Plunger switch. G. S. Ellithorpe. 2,605,375, July 29.
Plunger type cam actuated switch. H. W. Crumley. 2,592,660, Apr. 15.
Plunger type disposable medicament container. Y. H. Kurkjian. 2,616,423, Nov. 4.
Plunger-type fluid distributor. H. Etzelt. 2,619,190, Nov. 25.
Plural camera television transmitter with electronic wipeout control. E. D. Hilburn. 2,613,263, Oct. 7.
Plural combustion product generator in ring coaxial with turbine. K. K. Knopf. 2,601,758, July 1.
Plural combustion products generator in ring coaxial with turbine. A. C. Staley. 2,609,664, Sept. 9.
Plural-compartment admixing hypodermic syringe ampoule for segregated storage of ingredients of liquid medicinal solutions and therapeutic preparations. M. L. Lockhart. 2,591,706, Apr. 8.
Plural-compartment admixing vial for segregated storage of ingredients of solutions and liquid mixtures. M. L. Lockhart. 2,610,628, Sept. 16.
Plural electrical conductor strip and collector. A. J. Kroecker. 2,619,553, Nov. 25
Plural film camera with film strips at right angles to one another. W. D. Thompson. 2,616,342, Nov. 4.
Plural liquid unit for grinding machines. C. C. Alvord. 2,595,559, May 6.
Plural master sheet securing means for rotary duplicating machines. S. B. D. Kvarnegård. 2,604,847, July 29.
Plural modulation multiplex system. H. Chireix. 2,621,325, Dec. 9.
Plural pulley mechanism. L. T. Askren and R. J. Roman. 2,611,283, Sept. 23.
Plural scale indicator. W. D. Macgeorge and C. E. Roessler, Jr. 2,599,005, June 3.
Plural-speed friction drive mechanism. S. E. Capell. 2,612,053, Sept. 30.
Plural stage cooling machine. M. S. W. Ruhemann. 2,581,558, Jan. 8.
Plural surface sleeve board. D. F. Fletcher. 2,620,578, Dec 9.
Plural totalizer selecting mechanism. N. H. B. Kristenson and S. J. E. Gråhs. 2,620,129, Dec. 2.
Plural voltage motor. R. Ober. 2,613,343, Oct. 7.
Plural wave guiding system. C. W. Hansell and N. E. Lindenblad. 2,585,243, Feb. 12.

Plywood having an overlay thereon, Making. A. R. Welch. 2,606,138, Aug. 5.
Pneumatic airfoil. W. Thomas. 2,616,509, Nov. 4.
Pneumatic apparatus for measuring fluid pressure. J. C. Thoresen. 2,614,424, Oct. 21.
Pneumatic application for gear pumps. A. A. Shames. 2,619,912, Dec. 2.
Pneumatic arch support. F. Bartis. 2,600,957, June 17.
Pneumatic cleaner for Axminster loom nose boards. N. Fletcher. 2,622,626, Dec. 23.
Pneumatic cleaner for nose boards. W. Y. Robb. 2,622,624, Dec. 23.
Pneumatic clutch. C. W. Bryant. 2,618,366, Nov. 18.
Pneumatic collet chuck closer. A. E. Church. 2,620,196, Dec. 2.
Pneumatic control. F. G. A. Sillers. 2,588,329, Mar. 4.
Pneumatic control apparatus. D. P. Eckman. 2,588,622, Mar. 11.
Pneumatic control apparatus. J. G. Horn. 2,588,839, Mar. 11.
Pneumatic control apparatus. R. P. Roetter. 2,612,870, Oct. 7.
Pneumatic control mechanism. C. E. Mason. 2,616,440, Nov. 4.
Pneumatic control system. D. P. Eckman. 2,588,621, Mar. 11.
Pneumatic cotton harvester. R. Henry. Re. 23,477, Apr. 8.
Pneumatic counterbalance for flying hot saws. W. Rodder. 2,618,045, Nov. 18.
Pneumatic doffing mechanism for cotton gins and the like A. L. Vandergriff 2,588,593, Mar. 11.
Pneumatic door operating mechanism. N. G. Seagren. 2,586,442, Feb. 19.
Pneumatic drill with automatic adjustment of the tool thrust and torque, Portable. P. R. F. Dosmond. 2,586,924, Feb. 26.
Pneumatic drilling apparatus. A. H. Katterjohn. 2,602,427, July 8.
Pneumatic external draw lapping head. E. H. Brandt. 2,603,044, July 15.
Pneumatic feed device for high-speed automatic turret lathes J. Douša 2,598,041, May 27.
Pneumatic furniture assembling press. F. C. Vallton. 2,592,359–60, Apr. 8.
Pneumatic gauging device. H. B. Van Dorn. 2,621,511, Dec. 16.
Pneumatic grain conveyer and drier. J. F. Finnegan. 2,622,341, Dec. 23.
Pneumatic gun. W. S. Wells. 2,594,240, Apr. 22.
Pneumatic hammering machine for cleaning rollers. W. E. Smith. 2,610,350, Sept. 16.
Pneumatic hand tool valve and trigger lock. F. P. Forss. 2,618,459, Nov. 18.
Pneumatic holder for weft ends. G. C. Beatrice and K. J. Hall. 2,619,992, Dec. 2.
Pneumatic hydraulically controlled door operating mechanism. N. G. Seagren. 2,618,365, Nov. 18.
Pneumatic impact device. D. E. and W. N. Beckett. 2,604,072, July 22.
Pneumatic inspection gauge. M. Knobel. 2,596,696, May 13.
Pneumatic installation. J. Troendle. 2,591,641, Apr. 1.
Pneumatic juice extractor. N. L. and R. D. Bates. 2,612,100, Sept. 30.
Pneumatic lift conduit. W. K. Bergman. 2,610,093, Sept 9.
Pneumatic lift conduit and disengager vessel. L. F. Bartow. 2,591,040, Apr. 1.
Pneumatic linter gin. H. C. Graebe. 2,622,280, Dec. 23.
Pneumatic load indicating device. M. N. Weber. 2,613,925, Oct. 14.
Pneumatic operating means for railway dump cars. E. O. Lunde. 2,583,133, Mar. 4.
Pneumatic plant for handling grains and the like granular products. P. Diehold. 2,622,936, Dec. 23.
Pneumatic press. H. Palmleaf. 2,612,951, Oct. 7.
Pneumatic pump. A. R. Harvie. 2,612,118, Sept. 30.
Pneumatic relay. H. W. Alyea. 2,601,867, July 1.
Pneumatic reverse acting relay. C. M. Johnson. 2,618,286, Nov. 18.
Pneumatic roller compactor. C. W. Bros, A. O. Williamson, and U. O. Guignard. 2,610,557, Sept. 16.
Pneumatic seat and back rest lounging device. J. O. Kavanagh. 2,582,439, Jan. 15.
Pneumatic separator. K. J. Brandau and R. L. Funk. 2,600,965, June 17.
Pneumatic spring. H R Kaufman. 2,596,031, May 6.
Pneumatic springing and damping arrangement for vehicles. F. A. Wettstein. 2,622,872, Dec. 23.
Pneumatic suspension device for vehicles. R. Goutrand. 2,601,515, June 24.
Pneumatic suspension struts. P. W. Thornhill. 2,595,426, May 6.
Pneumatic switch. A. Allen. 2,612,185, Sept. 30.
Pneumatic thread control system for looms. V. F. Sepavich. 2,589,873, Mar. 18.
Pneumatic thread remover. G. C. Beatrice and A. C. Krukonis. 2,595,629, May 6.
Pneumatic thread remover for looms. C. R. Kronolf. 2,608,217, Aug. 26.
Pneumatic tire bead loosening tool. A. B. Manupello 2,606,602, Aug. 12.
Pneumatic tire mold. W. H. Hulswit, Jr., W. F. R. Briscoe, and V. H. Berry. 2,618,812, Nov. 25.
Pneumatic welding gun and associated system. H. J Graham. 2,610,278, Sept. 9.
Pneumatically casting cores. W. K. Springer. 2,607,967, Aug. 26.
Pneumatically operated diaphragm motor. D. J. Gaffney. 2,601,511 June 24.
Pneumatically operated elevator ball. C. M. Roberson. 2,613,102, Oct. 7.
Pneumatically powered hydraulic pump. J. A. Roberts, H. R. Fischer, and M. P. D'Haem. 2,588,164, Mar. 4.
Pocket and container, Waterproof. O. J. Porter. 2,606,587, Aug. 12.
Pocket article dispensing container. O. Uxa. 2,620,061, Dec. 2.
Pocket attached holder. W. V. Budny. 2,613,413, Oct. 14.
Pocketbook, folder, cardcase or the like. H. M. Herbener. 2,586,949, Feb. 26.
Pocketbook with resilient interengageable edges for closure of same. L. Kohn. 2,584,594, Feb. 5.
Pocket concealed placket construction. A. B. Rhoads and W. F. Van Amburg. 2,593,795, Apr. 22.
Pocket for immobilizing inert gas in battery cathodes. F. T. Bowditch. 2,620,371, Dec. 2.
Pocket hatrack. S. L. Keene and R. T. Palmer. 2,582,338, Jan. 15.
Pocket implement. J. V. H. Whipple and J. W. Topa. 2,611,178, Sept. 23.
Pocket name imprinter. J. Brenner and J. C. Nyberg. 2,623,460, Dec. 30.
Pocket panel construction, Multiple. A. Lipshitz. 2,614,260, Oct. 21.
Pocket radiation alarm. E. W. Molloy. 2,596,500, May 13.
Pocket reflex viewer. R. De Liso. 2,602,366, July 8.
Pocket respirator. R. B. Haller and W. P. Yant. 2,610,624, Sept. 16.
Pocket retainer. R. H. Brown. 2,619,649, Dec. 2.
Pocket secretary and/or hip pocket wallet, Combination. Bruno A. and Beverly A. Leue. 2,592,046, Apr. 8.
Pocket sun health lamp. M. E. Macksoud. 2,615,120, Oct. 21.
Pocket tissue package. G. C. Hitchcock. 2,621,788, Dec. 16.
Pocketed ball game board. W. F. Barry. 2,620,191, Dec. 2.
Point adjuster for distributors. J. S. Kerr. 2,594,447, Apr. 29.
Point contact semiresistor assembly. B. Bethge and H. Welker. 2,618,691, Nov. 18.
Poise error indicator. R. W. Slaugh and A. B. Sinkler. 2,620,130, Dec. 2.
Poisons for destroying insects selectively by the use of alkali-soluble coatings on said poisons. F. Duspiva. 2,585,755, Feb. 12.
Poker chip rack. S. J. Stanton. 2,620,063, Dec. 2.
Polarity indicator. A. E. Andersson. 2,621,230, Dec. 9.
Polarity reversing switch. J. W. Lawson and W. E. Brown. 2,587,178, Feb. 26.
Polarization corrector. G. Valensi. 2,601,346, June 24.
Polarized electromagnetic device. R. T. Fisher. 2,612,544, Sept. 30.
Polarized electromagnetic shuffleboard. C. Metz. 2,585,153, Feb. 12.
Polarized power take-off for bus duct systems. H. J. Hammerly. 2,585,770, Feb. 12
Polarized relay. R. J. Joseph. 2,609,462, Sept. 2.
Polarized relay construction. W. K. Sonnemann and K. Riesz. 2,594,088, Apr. 22.
Pole climber with automatic impact drive. R. A. Merrill 2,590,338, Mar. 25.
Pole derrick. H. J. Troche and J. H. Holan. 2,611,580, Sept. 23.
Pole guard. D. C. Hubbard. Re. 23,609, Dec. 30.
Pole, Magnetic. R. L. Jaeschke. 2,606,948, Aug. 12.
Pole-stripping machine. M. T. Alexander. 2,581,829, Jan. 8.
Pole supported fruit gatherer. S. Cardinale. 2,581,236, Jan. 1.
Pole vaulting and high jumping pit, Portable and collapsible. R. W. Hendershott. 2,588,722, Mar. 11.
Polish rod hanger. C. W. Shelton. 2,599,869, June 10.
Polishing apparatus. F. J. Zeiler. 2,601,581, June 24.
Polishing attachment for vacuum cleaners. H. B. White. 2,601,694, July 1.
Polishing belt control means. E. E. Murray. 2,597,256, May 20.
Polishing composition. H. Honig. 2,613,192, Oct. 7.
Polishing composition. R. G. Swanson. 2,614,049, Oct. 14.
Polishing composition, Dentifrice. R. N. Bell. 2,601,238, June 24.
Polishing device. A. J. Barbato. 2,618,799, Nov. 25.
Polishing device, Floor. E. Anderson. 2,609,555, Sept. 9.
Polishing guard. J. G. McNeil. 2,608,808, Sept. 2.
Polishing machine. F. E. Hendrickson. 2,594,646, Apr. 29.
Polishing machine. C. G. Schenk. 2,620,602, Dec. 9.
Polishing means and method. R. S. Ohl. 2,606,405, Aug. 12.
Polishing wheel. J. F. Coultier and I. J. Lupu. 2,583,632, Jan. 29.
Poly-acetals, Manufacture of. D. J. Fenne and M. Mugdan. 2,607,804, Aug. 19.
Polyalkanolamines, Making. M. E. Unacher, M. W. Long, Jr., and J. C. Moore. 2,602,819, July 8.

Polyalkylene glycol esters of nitrated alkylbenzoic acids and their preparation. C. B. Linn. 2,616,921, Nov. 4.
Polyamide fibers and dyeing the same, Reserved. O. Fuchs. 2,623,806, Dec. 30.
Polyamide molding powder. M. J. Hurwitz. 2,615,002, Oct. 21.
Polyamide resins from dinitriles and formaldehyde. D. T. Mowry. 2,617,786, Nov. 11.
Polyamides. A. W. Ralston, R. J. Vander Wal, and J. Harwood. 2,617,813, Nov. 11.
Polyamides and their preparation. C. J. Albisetti, Jr. 2,620,327, Dec. 2.
Polyamine-cyanamide resins. H. M. Hemmi and P. Trefzer. 2,622,075, Dec. 16.
Polyazo dyestuffs. P. Grandjean. 2,606,897, Aug. 12.
Polybutadiene padding bath for shrinkproofing wool. J. B. Rust and C. W. Pfeifer. 2,580,602, Jan. 1.
Polycentric articulated finger for artificial hands. L. J. Parker 2,598,593, May 27.
Polychloroethenes, Production of. A. H. Maude and D. S. Rosenberg. 2,598,646, May 27.
Polycyclic aromatic compounds, Manufacture of. F. M. Smith. 2,623,912, Dec. 30.
Polycyclic quinones which carry a nitro and a hydroxy group as nuclear substituents, Manufacture of. P. L. Belshaw, H T Howard, and F. Irving. 2,587,093, Feb. 26
Polyepoxide compositions. S. O. Greenlee. 2,592,560, Apr. 15.
Polyester copolymers. R. J. Agnew. 2,584,315, Feb. 5.
Polyesters by reacting a dicarboxylic acid with a diphenol, Production of. J. G. N. Drewitt and J. Lincoln. 2,595,343, May 6.
Polyesters of dicarboxyphenyldimethylsilane. L. J. Tyler. 2,601,646 June 24.
Polyesters of hydroxybenzoic acids. J. R. Caldwell. 2,600,376, June 17.
Polyesters stabilized with 1-arylazonaphthol sulfonic acids. T. F. Anderson. 2,607,756, Aug. 19.
Polyesters stabilized with substituted p-benzoquinones. T. F. Anderson. 2,610,168, Sept. 9.
Polyether acetic acids, Preparation of. K. Hofer. 2,623,900, Dec. 30.
Polyether-alcohols containing thioether side chains. L. A. Mikeska and L. T. Eby. 2,619,508, Nov. 25.
Polyether alcohols, Production of. S. A. Glickman. 2,618,663, Nov. 18.
Polyethers and preparing the same. J. W. Copenhaver. 2,590,598, Mar. 25
Polyethylene air filter. W. H. Nicol. 2,612,966. Oct. 7.
Polyethylene film as an adhesive casting surface. M. E. Wendt. 2,586,587, Feb. 19.
Polyethylene film manufacture. W. F. Hemperly and N R Smith. 2,586,820, Feb. 26.
Polyethylene glycol esters of alkylmercaptoacetic acid. M. Kosmin and E. W. Gluesenkamp. 2,603,653, July 15.
Polyethylene glycol esters of alpha-(alkylmercapto) propionic acid. M. Kosmin. 2,603,654, July 15.
Polyethylene glycol esters of benzyl acid phthalate, Preparation of. W. E. Weesner. 2,607,798, Aug. 19.
Polyethylenemelamine-polyamine reaction products. L. A Lundberg. 2,620,315, Dec. 2.
Polyethylene-polyisobutylene composition. W. J. Clarke. 2,615,857, Oct. 28.
Polyethylene stabilized with sulfur plus a vulcanization accelerator. B. A. Stiratelli. 2,582,510, Jan. 15.
Polyethylene terephthalate monofils drawn and heat set for use as bristles. W. R. McClellan. 2,615,784, Oct. 28.
Polyfurcate azonitriles. J. A. Robertson. 2,586,995, Feb 26.
Polyglycol ethers of 7-ethyl-2-methyl-undecanol-4. M. Kosmin. 2,617,830, Nov. 11.
Polyglycol ethers, Surface-active. P. L. de Benneville. 2,506,093, May 13.
Polygonal framework type clamping machine. A. H. Joseph. 2,623,560, Dec. 30.
Polyhalogenoalkenyl compounds, Preparing. E. C. Ladd and M. P. Harvey. 2,613,221, Oct. 7.
Polyhydric alcohol process. G. F. Curtin, Jr. 2,617,835, Nov. 11.
Polymer polysulfides containing ether groups. F. K. Signaigo 2,586,182, Feb. 19.
Polymeric compositions. H. A. Bruson. 2,601,252, June 24.
Polymeric compositions and shaping same. H. A. Bruson. 2,601 253, June 24.
Polymeric compositions and shaping same. H. A. Bruson and T. W. Riener. 2,601,254, June 24.
Polymeric compositions from acrylonitrile, itaconic monoesters, and conjugated dienes. G. F. D'Alelio. 2,583,326, Jan. 22.
Polymeric compounds condensed from epichlorhydrin and a difunctional amino compound, and production. A. S. Carpenter and E. R. Wallagrove. 2,599,974, June 10.
Polymeric hydroxyl-containing titanium carboxylates and preparing same J. H. Balthis. 2,621,194, Dec. 9.
Polymeric N-boroureas and their preparation. R. W. Upson. 2,599,144, June 3.
Polymeric 1,4-dicyano-2-butene. R. G. Linville. 2,592,301, Apr. 8.
Polymeric organic cation resin exchangers containing imino groups, Preparation of. A. Skogseid. 2,592,350, Apr. 8.
Polymeric oximes and their preparation. C. M. Langkammerer. 2,620,325, Dec. 2.
Polymeric plasticizers. H. B. Knight. 2,613,157, Oct. 7.
Polymeric poly-quaternary ammonium salts. D. D. Coffman. 2,595,225, May 6.
Polymeric polyureas. J. T. Maynard. 2,595,400, May 6.
Polymeric tetrafluoroethylene dispersions. S. G. Bankoff. 2,612,484, Sept. 30.
Polymeric titanium compounds. J. H. Haslam. 2,621,195, Dec. 9.
Polymeric titanium compounds. C. M. Langkammerer. 2,621,193, Dec. 9.
Polymeric titanium mixed esters. T. Boyd. 2,614,112, Oct. 14.
Polymerizable and polymerized acrylonitrile-dialkylaminopropylacrylamide compositions. W. M. Thomas and J. A. Price. 2,595,907, May 6.
Polymerizable and polymerized isocyanate compositions. E. L. Kropa and A. S. Nyquist. 2,606,892, Aug. 12.
Polymerizable composition of styrene, unsaturated alkyd resin, and elastomer. L. C. Rubens and R. F. Boyer. 2,609,353, Sept. 2.
Polymerizable compositions comprising 2-vinylbenzimidazole and polymerization products thereof. J. A. Price. 2,606,175, Aug. 5.
Polymerizable compositions, including 4-allyloxymethyl-1,3-dioxolane and polymerization products thereof. W M Thomas and E. L. Kropa. 2,601,572, June 24.
Polymerizable nonpolar substances, Preparation of. F. Rosenthal. 2,586,996, Feb. 26.
Polymerization by means of stannic chloride and a promoter therefor. T. E. Jordan and E. L. Cline. 2,590,771, Mar. 25.
Polymerization employing amidines having azo groups. R. W. Upson. 2,599,300, June 3.
Polymerization initiation systems comprising a hydrazone, a peroxy compound, and cupric ion. E. G. Howard, Jr. 2,601,293, June 24.
Polymerization of acrylonitrile in the presence of amide polymers. H. W. Coover, Jr., and J. B. Dickey. 2,620,324, Dec. 2.
Polymerization of allylic ethers. A. N. Wrigley, E. Yanovsky, and P. L. Nichols, Jr. 2,623,864, Dec. 30.
Polymerization of aromatic nitriles. J. E. Mahan and S. D. Turk. 2,598,811, June 3.
Polymerization of conjugated diolefins. A. H. Gleason. 2,582,693, Jan. 15.
Polymerization of ethylene in presence of aluminum chloride-methyl chloride solution. D. W. Young. 2,603,665, July 15.
Polymerization of ethylene in the liquid phase with "alfin" catalysts. T. Boyd. 2,606,179, Aug. 5.
Polymerization of ethylenically unsaturated compounds. C. W. Theobald. 2,584,300, Feb. 5.
Polymerization of formaldehyde and recovery of paraformaldehyde. A. G. Eickmeyer. 2,593,862, Apr. 22.
Polymerization of olefins and the alkylation of polymer. J. T. Horeczy. 2,612,531, Sept. 30.
Polymerization of olefins with a boron phosphate catalyst. R. C. Krug. 2,620,364, Dec. 2.
Polymerization of polyallyl and polymethallyl ethers of polyhydroxy compounds. M. Zief and E. Yanovsky. 2,606,881, Aug. 12.
Polymerization of propylene with liquid catalyst complex. C. S Carlson, R. S. Merrington, and F. A. Biribauer. 2,588,358, Mar. 11.
Polymerization of propylene with liquid phosphoric acid. J. D. Kemp and L. F. Brooke. 2,592,428, Apr. 8.
Polymerization of styrene with cyclic succinoyl peroxide. H F. Park. 2,620,330, Dec. 2.
Polymerization of thermoplastic siloxanes. J. F. Hyde and W H Daudt. 2,610,169, Sept. 9.
Polymerization of vinyl allyl ether. M. L. A. Fluchaire and G Collardeau. 2,603,628, July 15.
Polymerization process. G. F. D'Alelio. 2,593,417, Apr. 22.
Polymerization process. G. M. Verley. 2,623,890, Dec. 30.
Polymerized vinyl alkyl ethers, Production of. A. O. Zoss. 2,616,879, Nov. 4.
Polymerizing alpha-methyl styrene. G. D. Jones. 2,621,171, Dec. 9.
Polymerizing chlorotrifluoroethylene. D. W. Caird. 2,600,202, June 10.
Polymerizing chlorotrifluoroethylene. G. F. Roedel. 2,613,202, Oct. 7.
Polymerizing ethylene in aqueous emulsion. L. Seed. 2,592,526, Apr. 15.
Polymerizing fiber reinforced resinous materials and product. I. E. Muskat. 2,596,162, May 13.
Polymerizing isoolefins using methyl chloride solution of BF$_3$ as catalyst. W. J. Sparks and R. M. Thomas. 2,585,867, Feb. 12.
Polymerizing methyl methacrylate. M. Mention. 2,616,878, Nov. 4.
Polymerizing olefinically unsatnrated compounds. C. P. van Dijk and F. J. F. van der Plas. 2,618,626 Nov. 18.
Polymerizing olefins with phosphorus pentoxide-trialkyl phosphate catalyst solution. J. J. Kolfenbach and A. B. Small. 2,614,136, Oct. 14.

Polymerizing silicon acylates. C. A. MacKenzie and M. Schoffman. 2,623,832, Dec. 30.
Polymerizing tetrafluoroethylene. R. L. Myers. 2,613,203, Oct. 7.
Polymerizing trifluorochloroethylene. J. M. Wrightson. 2,600,821, June 17.
Polymerizing vinyl chloride. M. L. Sans. 2,600,695, June 17.
Polymers. P. J. Flory. 2,615,863, Oct. 28.
Polymers of acryloyltriazine-aliphatic amine reaction products. E. Zerner, M. Gradsten, and F. W. West. 2,615,882, Oct. 28.
Polymers of allyl alkyl carbonates. D. E. Adelson and H. Dannenberg. 2,595,214, May 6.
Polymers of nuclear chlorinated alpha-methyl styrene. J. J Hayes. 2,618,628, Nov. 18.
Polymers of 3-methylenephthalide and preparation. H. W. Coover, Jr., N. H. Shearer, and J. B. Dickey. 2,618,627, Nov. 18.
Polymethine dyestuffs. H. D. Edwards. 2,600,380, June 17
Polymethine dyestuffs, Preparation of. J. J. Jennen. 2,620,339, Dec. 2.
Polymethylpentadiene synthetic rubber. W. J. Sparks, R. M. Thomas and D. C. Field. 2,615,881, Oct. 28.
Polymyxin, Manufacture of. A. M. Brown. 2,692,041, July 1.
Polymyxin, Preparing. P. G. Stansly, R. G. Shepherd, and R. Winterbottom. 2,599,950, June 10.
Polymyxin, Producing. M. A. Petty. 2,595,605, May 6.
Poly-n-vinyl pyrrole compound molding composition, molding process and product. W. F. Busse and J. M. Lambert. 2,618,020, Nov. 18.
Poly N-vinyl sulfonamides. D. D. Reynolds and W. O. Kenyon 2,600,806, June 17.
Polyoxyalkylene ethers, Making. B. R. Schwartz. 2,588,771, Mar. 11.
Polyphase alternating current commutator motors. H. Vickers. 2,618,768, Nov. 18.
Polyphase alternating current dynamoelectric apparatus. C. E. Ellis 2,600,523, June 17.
Polyphase alternating current fusion welding with control of interphase voltage, and with combined alternating current and direct current welding potentials. O. R. Carpenter, F. W. Armstrong, Jr., and R. P. C. Rasmusen. 2,583,507, Jan. 22.
Polyphase circuit interrupter. A. van Ryan and W. R. Harry. 2,593,225, Apr. 15.
Polyphase supply circuit and frequency meter. J. H. Andresen, Jr., and E. Kasner. 2,604,520, July 22.
Polyphosphate-containing detergent compositions having decreased corrosivity toward aluminum. J. R. Schaeffer. 2,618,604, Nov. 18.
Polyphosphonitrilic esters and their preparation. B. R. Dishon and F. Goldschmidt. 2,586,312, Feb. 19.
Polysiloxane resins by hydrolysis of halosilanes in contact with methylene chloride, Preparation of. A. F. Gordon. 2,622,072, Dec. 16.
Polysiloxane resins with lead tetraphenyl catalyst. G. R. Lucas. 2,598,402, May 27.
Polysiloxanes containing allyl radicals. J. Swiss and C. E. Arntzen. 2,595,728, May 6.
Polystyrene article provided with a ray filtering coating. J. Bjorksten and L. L. Yaeger. 2,617,748, Nov. 11.
Polystyrene interpolymers convertible to the infusible and insoluble state. E. E. Novotny and G. K. Vogelsang. 2,594,578, Apr. 29.
Polystyrene plastics containing resorcinol monobenzoate. L. W. A Meyer and W. M. Gearhart. 2,592,310, Apr. 8.
Polystyrenes stabilized with organo amidophosphates. Q. A. Tremontozzi. 2,587,549, Feb. 26.
Polysulfide polymer reaction and product. E. M. Fettes. 2,606,173, Aug 5.
Polyurea-urethanes, Manufacture of. H. Dreyfus. 2,623,867, Dec. 30.
Polyvalent alkylene imine esters and preparing them. H. Bestian. 2,596,200, May 13.
Polyvalent metal tetra-isobutyl phenol sulfonic acid salt parasiticides. G. L. Matheson and L. A. Mikeska. 2,586,680, Feb. 19.
Polyvinyl acetal resin composition. M. A. Pollack. 2,616,870, Nov. 4.
Polyvinyl acetate emulsion. W. G. Kunze and R. B. Evans. 2,588,543, Mar 11.
Polyvinyl acetate emulsion containing a polyalkylene glycol. W G. Kunze and R. B. Evans. 2,595,952, May 6.
Polyvinyl acetate emulsion containing an aliphatic carboxylic acid, and base coated therewith. W. G. Kunze and R. B. Evans. 2,595,954, May 6.
Polyvinyl acetate emulsion containing an alkoxy acetate, and base coated therewith. W. G. Kunze and R. B. Evans. 2,595,956, May 6.
Polyvinyl acetate emulsion containing an alkoxy glycol ether, and a base coated therewith. W. G. Kunze and R. B. Evans. 2,595,953, May 6.
Polyvinyl acetate emulsion containing an alkyl amide, and base coated therewith. W. G. Kunze and R. B. Evans. 2,595,955, May 6.
Polyvinyl acetate emulsion containing an aromatic amide, and a base coated therewith. W. G. Kunze and R. B. Evans. 2,595,957, May 6.
Polyvinyl acetate emulsion paints, Manufacture of. G. O. Morrison and D. Schoenholz. 2,601,315, June 24.
Polyvinyl acetate emulsions, Preparation of. N. Turnbull. 2,614,087, Oct. 14.
Polyvinyl alcohol ester of an acid ester of carbonic acid and an unsaturated alcohol. I. E. Muskat and F. Strain. 2,592,058, Apr. 8.
Polyvinyl alcohol filaments of improved properties, Producing. W. R. Hatchard and J. W. Hill. 2,610,359, Sept. 16.
Polyvinyl alcohol gels with bis 1,3,5-triazine compounds. D. E. Sargent. 2,582,357, Jan. 15.
Polyvinyl alcohol lucrose hemostat. M. L. Lowry. 2,595,276, May 6.
Polyvinyl alcohol-silver halide photographic emulsions, Preparing. W. G. Lowe and K. P. Griffin. 2,614,930, Oct. 21.
Polyvinyl aldehyde and polyvinyl acetate resins plasticized with 1,5-pentanediol bis-cyclohexylacetate. S. J. Hetzel. 2,606,170, Aug. 5.
Polyvinyl aldehyde and polyvinyl acetate resins plasticized with 1,5 pentanediol diesters of kerosene oxidation acids. S. J. Hetzel. 2,606,171, Aug. 5.
Polyvinyl aldehyde and polyvinyl acetate resins plasticized with 1,5-pentanediol difuroate. S. J. Hetzel. 2,606,167, Aug. 5.
Polyvinyl chloride compositions, Plasticized. T. M. Patrick, Jr. 2,594,488, Apr. 29.
Polyvinyl chloride organosol compositions containing a non-volatile extract of petroleum. D. E. Winkler. 2,615,858, Oct. 28.
Polyvinyl chloride plasticized with a chloroalkylchlorobenzene compound. A. Gislon. 2,615,859, Oct. 28.
Polyvinyl chloride plastics containing resorcinol monobenzoate. L. W. A. Meyer and W. M. Gearhart. 2,592,311, Apr. 8.
Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) octadecenoates. J. Dazzi. 2,581,005, Jan. 1.
Polyvinyl halides plasticized with (1',2'-dicarboxyethyl) undecylenates. J. Dazzi. 2,581,006, Jan. 1.
Polyvinyl phosphoric acid esters of cellulose and making the same. G. C. Daul and J. D. Reid. 2,610,953, Sept. 16.
Polyvinyl resin plasticized with polyester. I. Pöckel. 2,611,756, Sept. 23.
Polyvinylidene chloride compositions, Plasticized. D. Faulkner and J. J. P. Staudinger. 2,590,834, Apr. 1.
Pond, Collapsible. V. H. Hasselquist. 2,616,096, Nov. 4.
Popcorn box with pouring spout. S. E. Smith. 2,617,581, Nov. 11.
Pop-type safety valve. L. J. Kmiecik. 2,584,715, Feb. 5.
Pop-up sprinkler device. O. B. Johnson. 2,585,782, Feb. 12.
Popping machine, Corn. C. A. Dondanville. 2,586,923, Feb. 26.
Popping of corn. H. R. Crank. 2,607,283, Aug. 19.
Poppet valve. H. W. Ringman. 2,588,937, Mar. 11.
Poppet valve mounting assembly. W. C. Grahling and T. A. St. Clair. 2,616,659, Nov. 4.
Poppet valves, Making. F. T. Perkes. 2,610,279, Sept. 9.
Porcelain enamel article and producing same. B. J. Sweo. 2,581,310, Jan. 1.
Porcelain enamel for direct application to metal and producing the same. E. E. Bryant. 2,604,410, July 22.
Pore hole seal for double windows. L. V. Black. 2,621,397, Dec. 16.
Porous composition utilizing N-carboxylic acid anhydrides of amino carboxylic acids. E. W. Gluesenkamp. 2,610,157, Sept. 9.
Porous filter. C. G. Vokes. 2,598,322, May 27.
Porous organic film, Making a. T. A. Lancaster. 2,618,580, Nov. 18.
Porous zircon refractory and making. E. A. Thomas. 2,583,160, Jan. 22.
Port chamber wall construction with deposit retaining ledge for open hearth furnaces. R. E. Over. 2,593,481, Apr. 22.
Portable accessory case. B. A. McLaughlin. 2,609,073, Sept. 2.
Portable air gauge H. H. Gates. 2,590,170, Mar. 25.
Portable and manually operable apparatus for the cleaning and/or finishing of carpeted or uncarpeted floors. C. Mendelson. 2,622,254, Dec. 23.
Portable apparatus for obtaining linear measurements. G. A. Gentsch. 2,580,538, Jan. 1.
Portable bait container. C. R. Stoddard, Jr. 2,614,357, Oct. 21.
Portable batter dispenser. R. F. Briggs and R. J. Moore. 2,609,764, Sept. 9.
Portable beverage dispenser. R. F. Tolan. 2,620,107, Dec. 2.
Portable chart rack. H. R. Shampaine. 2,605,161, July 29.
Portable clothes hanger. M. C. Akers. 2,616,569, Nov. 4.
Portable collapsible ironing board. A. P. Lants. 2,590,551, Mar 25.
Portable crop heater. W. R. Fowler, Jr. 2,615,284, Oct. 28.
Portable dam. R. R. Kearsley. 2,592,290, Apr. 8.
Portable device for cutting ends of ears of corn. O. C. Hines. 2,619,141, Nov. 25.
Portable device for measuring and indicating the direction and velocity of wind. L. E. Wood and L. H. Vining, Jr. 2,623,388, Dec. 30.

Portable display. B. Corn, Jr., and C. D. Roscher. 2,587,698, Mar. 4.
Portable door holder. H. F. Sands. 2,595,709, May 6.
Portable drilling unit. S. Siracusa. 2,612,347, Sept. 30.
Portable dual control device. W. H. Romel. 2,597,379, May 20.
Portable electric service lamp. E. P. Brus. 2,591,131, Apr. 1.
Portable elevator support. H. A. Tintes. 2,621,777, Dec. 16.
Portable elevatory platform unit. C. D. Garlinger and R. E. Fuller. 2,614,800, Oct. 21.
Portable enclosure. C. T. Bartlett. 2,581,318, Jan. 1.
Portable enclosure. J. B. Radart. 2,615,209, Oct. 28.
Portable extension light shield with clamp. T. L. Day. 2,608,643, Aug. 26.
Portable fan-type air heater. J. F. Volker. 2,594,101, Apr. 22.
Portable Ferris wheel. W. G. Catlett. 2,590,934, Apr. 1.
Portable fire screen. J. R. Hyman. 2,598,997, June 3.
Portable fluid operated lifting jack. V. P. Grier. 2,610,824, Sept. 16.
Portable foldable chair. W. H. Smith. 2,587,543, Feb. 26.
Portable foldable ironing board. A. P. Lantz. 2,599,399, June 3.
Portable guard. A. L. Dillon and H. W. O'Shea, Jr. 2,611,909, Sept. 30.
Portable heating cover. W. D. Briscoe. 2,602,874, July 8.
Portable highway signal light. E. F. Steffen. 2,591,888, Apr. 8.
Portable hot food cabinet. F. E. Porambo. 2,583,118, Jan. 22.
Portable hydraulic jack. C. E. Beck. 2,605,998, Aug. 5.
Portable ironing board. J. E. and D. M. Geddes. 2,603,012, July 15.
Portable jointer knife grinder. E. A. Dvorak. 2,620,606, Dec 9.
Portable landing dock. C. T. Holsten. 2,618,124, Nov. 18.
Portable lantern having contact accommodating a single lantern battery or a plurality of flashlight cells. C. S. Packer and M. R. Olsen. 2,608,639, Aug. 26.
Portable lever actuated tire removing tool. L. Vanleirsberghe. 2,592,769, Apr. 15.
Portable light switch. J. W. Thomas. 2,599,295, June 3.
Portable magnetic-base drill. E. W. Buck. 2,622,457, Dec. 23.
Portable mortis cutting tool. A. J. Kronquist. 2,609,849, Sept. 9.
Portable picture screen. L. J. Du Mais and H. Bernzott. 2,611,427, Sept. 23.
Portable plural-stage crushing, screening, and washing plants. H. J. Shelton, Jr. 2,593,353, Apr. 15.
Portable pneumatic power unit. L. C. Miller. 2,620,965, Dec. 9.
Portable power-driven planer. H. A. Spitzley. 2,600,279, June 10.
Portable power unit. D. E. Cuckler. 2,614,433, Oct. 21.
Portable power wrench. M. W. Bardwell. Re. 23,589, Dec. 2
Portable protective screen and carrier therefor. M. Adams. 2,615,459, Oct. 28.
Portable pump. A. H. Ruthman. 2,594,501, Apr. 29.
Portable radio receiver. T. H. Kinman, R. G. Hiberd, and C. Hayward. 2,591,438, Apr. 1.
Portable road signal. E. S. Transue. 2,613,463, Oct. 14.
Portable rug or carpet cleaner. R. J. Willis. 2,610,343, Sept. 16.
Portable safety and trouble light. A. N. Anton. 2,612,549, Sept. 30.
Portable saw welding clamp. E. F. Spencer. 2,610,600, Sept. 16.
Portable screen stand. L. J. Du Mais, H. Bernzott, and F. J. Prokop. 2,591,244, Apr. 1.
Portable sectional ironing board. A. P. Lantz. 2,590,254, Mar. 25.
Portable sectional ironing board. A. P. Lantz. 2,611,197, Sept. 23.
Portable self-contained reading lamp. L. Melamed, M. U. Greenberg, and I. J. Swartzman. 2,597,662, May 20.
Portable shape cutter. A. A. Bernard. 2,586,907, Feb. 26.
Portable stadium cushion and/or sports cushion. W. S. Faulkner, Jr. 2,580,904, Jan. 1.
Portable support seat. L. Craig-Wallace. 2,605,817, Aug. 5.
Portable table model ironing board. H. J. Smith. 2,617,213, Nov. 11.
Portable testing device. H. L. Tipperman. 2,607,829, Aug. 19.
Portable traffic control light. F. S. Martin. 2,603,700, July 15.
Portable traffic sign. G. M. Carter 2,590,506, Mar. 25.
Portable trailer mixer. C. D. Vought. 2,597,688, May 20.
Portable two-directional agricultural heater. G. T. Neundorfer. 2,602,267, July 8.
Portable urinal. J. J. Nugent. 2,594,339, Apr. 29.
Portable utility case. M. A. Sholl. 2,597,194, May 20.
Portable well servicing rig. T. R. Munsinger. 2,612,242, Sept. 30
Portland cement base paints. C. R. Nelson and R. E. Madison. 2,600,018, June 10.
Portland cement. Mucic acid retarded. O. J. Glants and E T Oborn. 2,601,274, June 24.
Position determining system. I. Wolff. 2,583,503, Jan. 22.
Position following control. W. E. Coleman, 2,587,118, Feb. 26.
Position indicating system. P. J. Herbst. 2,581,589, Jan. 8.
Position plotter for hyperbolic radio survey system. J. E. Hawkins and R. W. Baltosser. 2,587,467, Feb. 26.
Position selector. M. E. McMahon. 2,620,672, Dec. 9.
Position simulating apparatus for radar trainers. J. Donahue. 2,603,883, July 22.
Positional correspondence control system. J. H. Liversidge. 2,615,150, Oct. 21.
Positioner for hemispherical fruit halves. J. Albertoll. 2,584,526, Feb. 5.
Positioning control system for remote elements, including hydraulic transmission units. H. Zieholz, D. T. Gundersen and R. K. Baetzmann. 2,613,502, Oct. 14.
Positioning device. A. J. Meries. 2,610,720, Sept. 16.
Positioning device for windshield wipers. F. Sprague and E. F. Nichols. 2,616,400, Nov. 4.
Positioning electrodes and other tubular elements, Method and device for. G. Starre and J. H. van den Berge. 2,608,744, Sept. 2.
Positioning means for folding baby carriages. J. Reese. 2,623,754, Dec. 30.
Positioning mechanism. W. S. Klingenberg. 2,588,932, Mar 11.
Positioning strip, Method and apparatus for. E. T. Lorig. 2,592,581, Apr. 15.
Positive and constant-tension take-up mechanism for knitting and other textile machines. G. E. Clentimack. 2,621,500, Dec. 16.
Positive closure plug valve. J. E. Storment. 2,611,576, Sept. 23.
Positive clutch. D. A. V. Andersson. 2,620,052, Dec. 2.
Positive cutout switch. L. E. Kanard. 2,589,395, Mar. 18.
Positive diazotype and negative metal reduction images and light-sensitive material therefor. M. K. Reichel. 2,618,555, Nov. 18.
Positive disappearing knockout pin mechanism. D. Maniaci. 2,600,777, Sept. 9.
Positive electrodes for battery cells, Making. J. D. Moulton and R. F. Enters. 2,615,930, Oct. 28.
Positive letoff mechanism for looms. C. R. Beall. 2,600,007, Sept. 2.
Positive lockpin. W. A. Downey. 2,589,482, Mar. 18.
Positive pedestal switched video tube. P. T. Maresca. 2,584,144, Feb. 5
Positive pressure machine for forming continuous strips of asbestos-cement compositions and the like. A. D. Simpson. 2,581,210, Jan. 1.
Positive shutoff valve. T. A. Tarr. 2,616,653, Nov. 4.
Positive tow target exchanger. R. L. Weir. 2,604,324, July 22.
Post driving machine. A. M. Hobson and G. B. Corbett. 2,599,995, June 10.
Posthole boring machine. I. W. Talbot. 2,602,637, July 8.
Posthole digger. L. E. Beck and L. R. Callaway. 2,593,245, Apr. 15.
Posthole digger. S. P. Lagant. 2,598,565, May 27.
Posthole digger. L. L. Navarre. 2,598,288, May 27.
Posthole digger. G. A. Robinson. 2,617,629, Nov. 11.
Posthole digger. V. A. M. Swan. 2,614,805, Oct. 21.
Posthole digging machine. D. M. Manning. 2,595,686, May 6.
Post-operative bandage. E. F. Buryan. 2,603,213, July 15.
Post straightening jack. E. E. Barber. 2,596,976, May 20.
Postage printer for address printing machines. J. J. Ackell and H. L. Paulding. 2,622,514, Dec. 23.
Postal scale, check protector, and letter opener, Combined. C. L. Skelley 2,586,443, Feb. 19.
Posture attachment for chairs. J. E. Goodeve. 2,582,115, Jan. 8.
Posture chair. T. H. Van Buren. 2,599,301, June 3.
Posture training device. P. Badovinac. 2,585,073, Feb. 12.
Pot and pan mounting apparatus. Wayne L. Sager. 2,608,305, Aug. 26.
Pot mouthpiece wiper. W. O. Becker. 2,594,613, Apr. 29.
Pot, Sectional plant. R. C. Valenzuela. 2,594,307, Apr. 29.
Pot spinning apparatus. J. J. McCann. 2,594,783, Apr. 29.
Pot type oil burner. R. C. Laramy. 2,609,041, Sept. 2.
Potted electrical subassembly. J. L. Kiser. 2,590,821, Mar 25.
Pottery die. W. M. Glaab. 2,583,262, Jan. 22.
Pottery fabricating machine. J. A. Bower. 2,599,605, June 10.
Potteryware decorating apparatus stamp. W. H. Emerson. 2,623,452, Dec. 30.
Potting composition. C. W. Kleiderer. 2,599,762, June 10.
Potassium chlorate crystals of special appearance, Producing. J. L. M Frejacques. 2,595,238, May 6.
Potassium-containing nitrophosphates, Production of. S. Ruosch. 2,589,734, Mar. 18.

Potassium salts from solutions, particularly sea water, salt lakes, and salt lyes, Producing. A. Skogseid. 2,619,404, Nov. 25.
Potassium stannous fluoride. W. F. Bruce. 2,606,812, Aug. 12.
Potassium zeolites. G. R. Bond, Jr. 2,617,712, Nov. 11.
Potato chip construction. B. Stahmer. 2,612,453, Sept. 30.
Potato chips, Production of. C. E. Hendel. 2,611,705, Sept. 23.
Potato cutter. W. A. Thompson. 2,610,664, Sept. 16.
Potato digger. J. Früh. 2,623,342, Dec. 30.
Potato digger. C. H. Peterson. 2,621,456, Dec. 16.
Potato feeding machine. C. and W. Barnett. 2,589,762, Mar. 18.
Potato juice. E. G. Heisler and R. H. Treadway. 2,594,308, Apr. 29.
Potato planting machine. C. T. Smits. 2,617,557, Nov. 11.
Potato product. G. R. Schermerhorn, Sr., and H. C. Hinz, Jr. 2,598,838, June 3.
Potato separator. S. J. Levesque. 2,612,993, Oct. 7.
Potato separator. W. W. Schrock. 2,616,564, Nov. 4.
Potato viner. C. E. Johnson. 2,601,855, July 1.
Potentially reactive aromatic diisocyanate-water resinous reaction product and method of preparing. G. O. Orth, Jr. 2,597,025, May 20.
Potentially reactive furan impregnating solutions. A. P. Dunlop and P. R. Stout. 2,584,681, Feb. 5.
Potentiometer. C. H. Colvin. 2,617,912, Nov. 11.
Potentiometer or resistor element. E. A. De Bell. 2,606,985, Aug. 12.
Potentiometer, Sinusoidal. A. M. Matthews. 2,609,469, Sept. 2.
Poult feed saver. M. J. Luse. 2,581,422, Jan. 8.
Poultry dipping machine. J. H. Wagner. 2,585,194, Feb. 12.
Poultry dressing machine. W. F. Spang. 2,605,496, Aug. 5.
Poultry dressing method. C. H. Koonz. 2,600,781, June 17.
Poultry dressing tool. W. G. Nealy. 2,590,785. Mar. 25.
Poultry drinking valve. W. A. Futterer. 2,614,531, Oct. 21.
Poultry feeder. H. E. Baker. 2,595,324, May 6.
Poultry feeder. F. W. Collier and O. A. McDonough. 2,607,318, Aug. 19.
Poultry feeder. F. P. E. Quick. 2,611,339, Sept. 23.
Poultry feeder. M. L. Smallegan. 2,581,725, Jan. 8.
Poultry feeding. D. Lewis. 2,593,577, Apr. 22.
Poultry feeding apparatus. P. B. Roberts and T. B. Burton. 2,591,609, Apr. 1.
Poultry feeding device. C. L. Niemann. 2,583,874, Jan. 29.
Poultry feeding machine. H. J. Reynolds and V. R. Strong. 2,619,935, Dec. 2.
Poultry feeding machine. J. J. Scott, Jr. 2,605,743, Aug. 5.
Poultry fountain. B. H. and H. Riley. 2,623,500, Dec. 30.
Poultry fountain water valve. P. S. Martin. 2,619,123, Nov. 25.
Poultry gizzard skinner. M. I. Darrow, G. R. Biddinger, and W. J. Patterson. 2,620,510, Dec. 9.
Poultry house, Circular. B. M. Kolber. 2,607,178, Aug. 26.
Poultry litter material. E. F. Cook. 2,597,457, May 20.
Poultry nest. G. W. Johnson. 2,606,525, Aug. 12.
Poultry nest. H. King. 2,592,430, Apr. 8.
Poultry nest. H. King. 2,623,499, Dec. 30.
Poultry nest. L. Ockenfels. 2,584,909, Feb. 5.
Poultry nest appliance. N. Cordis. 2,589,228, Mar. 18.
Poultry packing table. R. V. Muthews. 2,593,325, Apr. 15.
Poultry picker. E. M. Davis. 2,617,145, Nov. 11.
Poultry plucking mechanism. R. F. Wolfinger. 2,595,435, May 6.
Poultry products, Preparing. D. Torr. 2,622,028, Dec. 16.
Poultry roost, Individual. A. J. Bergeron. 2,582,095, Jan. 8.
Poultry roost support. G. S. Kolstad. 2,621,008, Dec. 9.
Poultry scalder. G. W. Johnson. 2,607,073, Aug. 19.
Poultry scalding machine. G. W. Johnson. 2,602,186, July 8.
Poultry shackle. E. J. Crane. 2,614,287, Oct. 21.
Poultry shackle. E. T. Wayne. 2,613,390, Oct. 14.
Poultry shackling device. M. A. Weiterschan. 2,583,913, Jan 29.
Poultry singeing machine. G. W. Johnson. 2,602,185, July 8.
Poultry tag. E. W. Ashton. 2,611,198, Sept. 23.
Poultry tag. E. W. Ashton. 2,611,200, Sept. 23.
Poultry watering device. J. E. McDermott and W. E. Gainey. 2,618,237, Nov. 18.
Pouncing felt, Method and apparatus for. J. E. Kane. 2,604,684, July 29.
Pouncing machine with heated grease pad. F. J. Berger. 2,615,600, Oct. 28.
Pour depressaris. L. A Mikeska. 2,586,690, Feb. 19.
Pouring and cover assembly for liquid containers, Combination. J. Rose. 2,620,093, Dec. 2.
Pouring device. F. D. Sherwood. 2,598,843, June 3.
Pouring gate. W. B. Walker. 2,597,208, May 20.
Pouring spout. J. G. Livingstone. 2,601,039, June 17.
Pouring spout. R. L. Smith. 2,621,831, Dec. 16.
Powder coating assembly. J. A. Paasche. 2,595,600, May 6.
Powder container. R. E. Thompson. 2,594,093, Apr. 22.
Powder container with bellows for expelling the powder therefrom. J. Buchan. 2,620,095, Dec. 2.
Powder conveying method and apparatus. G. P. Hensley and D. O. Johnson. 2,583,648, Jan. 29.
Powder dispenser. N. W. Telander. 2,605,934, Aug. 5.
Powder dispenser for brushes. M. A. Jardines. 2,590,413, Mar. 25.
Powder distributing drum. J. Buchan. 2,609,126, Sept. 2.
Powder distributing drums. J. Buchan. 2,620,096, Dec. 2.
Powder inhaler. H. H. Young and D. A. Loper. 2,592,369, Apr. 8.
Powder measuring device with micrometer adjustment. H. W. Brown. 2,587,692, Mar. 4.
Powder metallurgy. C. G. Goetzel and J. L. Ellis. 2,612,443, Sept. 30.
Powder metallurgy articles. C. G. Goetzel and J. L. Ellis. 2,581,252, Jan. 1.
Powder-sprinkling apparatus. C. Nicolle. 2,580,580, Jan. 1.
Powder train interrupter. J. Rabinow. 2,586,437, Feb. 19.
Powder valve. E. Meincke. 2,594,786, Apr. 29.
Powdered capillary-active sulfuric acid derivatives, Production of. H. F. Dammers. 2,617,599, Nov. 11.
Powdered pigment compositions. W. T. Walton and A. B. Holton. 2,613,158–60, Oct. 7.
Powdered topping and making the same. H. W. Diamond. 2,619,423, Nov. 25.
Powdering polyethylene. W. A. Haine. 2,582,327, Jan. 15.
Powdery products comprising carboxymethyl cellulose, Production of. C. H. Rigby. 2,607,772, Aug. 19.
Power-actuated automatic spoke-tightening machine. R. F. Meydrech. 2,607,402, Aug. 19.
Power actuated chuck. A. E. Church. 2,590,509, Mar 25.
Power actuated overload release clutch. N. R. Krause. 2,612,974, Oct. 7.
Power-actuated rotary tool. D. C. Ridge. 2,600,327, June 10.
Power actuated scroll chuck. G. V. Rogers. 2,588,938, Mar. 11
Power actuated toggle clamping fixture. C. H. Warwick. 2,617,457, Nov. 11
Power actuated trailer load feeder and spreader. A. P. S. Gilmore. 2,605,106, July 29.
Power actuated wrench. L. A. Leifer. 2,616,323, Nov. 4.
Power actuator with pilot control. F. B. Small. 2,585,507, Feb. 12.
Power amplifier circuit. E. T. Burton. 2,598,221, May 27.
Power amplifier tube. O. Heil. 2,590,100, Mar. 25
Power assisted control. S. H. E. Garside. 2,581,250, Jan. 1.
Power boost control system. P. J. Klass. 2,604,613, July 22.
Power boost surface control. C. Schultz. 2,610,814, Sept. 16.
Power booster linkage providing pilot's feel. R. R. Richolt. 2,591,871, Apr. 8.
Power conservation system. O. H. Schade. 2,598,134, May 27.
Power control for agricultural machines. M. A. Bergsten and W. E. Cade. 2,611,279. Sept. 23.
Power conversion apparatus. A. P. Henry. 2,611,324, Sept. 23
Power conversion machine. F. J. Gardiner. 2,605,956, Aug. 5.
Power coupling. P. Landrum. 2,616,274, Nov. 4.
Power cutter for vines, strawberry runners, and the like. A. S. Howe. 2,583,571, Jan. 29.
Power distribution system. V. H. Rumsey. 2,602,856, July 8.
Power divider circuit. W. W. Salisbury. 2,605,357, July 29.
Power drive. H. W. Lind. 2,587,343, Feb. 26.
Power drive means for irrigation pipe. G. Cornelius. 2,582,416, Jan 15.
Power drive mechanism and control means therefor. P. E. Sherrill, Jr. 2,606,265, Aug. 5.
Power drive mechanism for apparatus for generating electrical energy. J. Napoli. 2,596,276, May 13.
Power-driven apparatus. A. G. Rose. 2,601,752, July 1.
Power-driven cutting blade and sharpening apparatus therefor. C. A. Callahan. 2,621,454, Dec. 16.
Power-driven display rack. H. C. Douglas. 2,582,623, Jan. 15.
Power-driven film rewind machine. L. W. Millsap. 2,586,976, Feb. 26.
Power-driven fluid pump. R. F. Worlidge. 2,605,707, Aug. 5.
Power-driven gear operated wrench. E. H. Shaff. 2,618,187, Nov. 18.
Power-driven jackhammer. O. S. Coates. 2,597,292, May 20.
Power-driven meter. S. V. Zavoico. 2,621,516, Dec. 16.
Power driven nut setter, Portable. E. H. Shaff. 2,607,252, Aug. 19.

Power-driven recessing apparatus, Portable. J. T. Kendall. 2,623,537, Dec. 30.
Power factor and phase rotation hook on meter. R. M. Rowell and A. L. Nylander. 2,583,798, Jan. 29.
Power factor controlling and regulating device. G. Fowler. 2,610,317, Sept. 9.
Power failure indicator. M. K. Gordon, Jr. 2,605,331, July 29.
Power fuse and the like, High-voltage. H. H. Fahnoe. 2,593,426, Apr. 22.
Power hammer construction. E. A. Smith. 2,598,455, May 27.
Power lift. J. H. Starr. 2,605,686, Aug. 5.
Power lift means affording depth control and sequential raising and lowering of implements. W. F. Strehlow. C. T. O'Harrow, and R. W. Johansen. 2,611,306, Sept. 23.
Power manipulated detachable gooseneck for trailers. C. C. Keesler. 2,590,181, Mar. 25.
Power measuring bridge. H. J. Carlin. 2,611,795, Sept. 23.
Power-operated check valve. D. G. Griswold. 2,602,467, July 8.
Power-operated control. F. H. McCormick. 2,596,039, May 6.
Power-operated flying control system for aircraft. W. G. Lisle. 2,590,716, Mar 25.
Power-operated, gear-controlled torque wrench. J. C. Curtis and G. B. Thompson. 2,606,472, Aug. 12.
Power-operated hydraulic actuator. E. J. Ringer. 2,617,261, Nov. 11.
Power-operated hydraulic pressure device, including yieldable piston stop. E. J. Ringer. 2,598,604, May 27.
Power-operated impact tool. M. E. Disser. 2,608,118, Aug. 26.
Power-operated impact wrench. G. H. Webb. 2,591,323, Apr. 1.
Power-operated magazine wrench. C. G. Spreng. 2,616,322, Nov. 4.
Power-operated mechanism for moving a tool slide and tool slide carriage. E. R. Smith. 2,584,629, Feb. 5.
Power-operated multistage speed selector mechanism. L. R. Buckendale. 2,605,749, Aug. 5.
Power-operated pipe wrench. W. C. Sibble. 2,623,734, Dec. 30.
Power-operated reel and reel hoist for trucks. A. F. Schroeml. 2,616,637, Nov. 4.
Power-operated register resetting mechanism for gasoline dispensing pumps. C. A. P. Thomas. 2,587,925, Mar. 4.
Power-operated surface abrader, Portable. P. J. Reitz. 2,584,738, Feb. 5.
Power-operated telescoping mast and braces. G. Heinish. 2,589,080, Mar. 11.
Power-operated tree hack and automatic liquid sprayer. O. B. Hough. 2,592,900, Apr. 15.
Power-operated visible index. F. M. Zenner and C. F. Wolters. 2,621,995, Dec. 16.
Power plant. P. Altman. 2,595,558, May 6.
Power plant combustion apparatus having apertured combustion chamber walls. S. Way, A. E. Hershey, and J. R. Boyd. 2,595,999, May 6
Power plant comprising a toroidal combustion chamber and an axial flow gas turbine with blade cooling passages therein forming a centrifugal air compressor. T. R. Schulz. 2,611,241, Sept. 23.
Power plant frame structure having air-cooling means for turbine rotors and exhaust frame struts. B. O. Buckland and A. Howard. 2,591,399, Apr. 1.
Power plant governor. D. J. Jordan. 2,618,324, Nov. 18.
Power plant, including a combustion chamber and an impulse turbine driven by exhaust gases from the chamber. M Kadenacy and N. K. Guercken. 2,583,430, Jan. 22.
Power plant, including an internal-combustion engine having exhaust turbine means drivably connected thereto. A. Chilto. 2,607,189, Aug. 19.
Power plant regulation. G. T. Holt and J. K. Stotz. 2,598,124, May 27.
Power plant, Steam. R. L. Harris and M. Lothrop. 2,596,968, May 20.
Power press. T. W., E. A., W. E., and V. N. Marsico. 2,622,511, Dec. 23.
Power press flywheel bearing lubricating system. P. H. Danly and V. Georgeff. 2,593,116, Apr. 15.
Power pressure intensifier. E. A. Rockwell. 2,593,304, Apr. 15.
Power rotated disk plow. F. M. Jones. 2,617,340, Nov. 11.
Power rotor and depth adjustment therefor. B. J. Drozinski. 2,612,094, Sept. 30.
Power saw for cylindrical printing plates. G. W. Bungay. 2,610,389, Sept. 16.
Power saw for underwater work. A. B. Cauthen. 2,608,220, Aug. 26.
Power saw mitering machine, Portable. F. D. Butler. 2,599,893, June 10.
Power shaft attachment for tractors. E. H. Beccard. 2,580,721, Jan. 1.
Power slip. J. Moon. 2,623,257, Dec. 30.
Power sprinkler shutoff. A. F. Stetson. 2,594,596, Apr. 29.
Power steering booster. R. A. Garrison. 2,608,263, Aug. 26.
Power steering mechanism. C. F. Binder. 2,583,407, Jan. 22.
Power steering mechanism. J. O. Sarto. 2,603,065, July 15.
Power supply. F. B. Gunter. 2,590,611, Mar. 25.
Power supply. G. D. Hulst. 2,618,773, Nov. 18.
Power supply for radio sets. A. R. Rees. 2,594,801, Apr. 29.
Power supply means for percussor apparatus. R. C. McShirley. 2,581,806, Jan. 8.
Power supply system providing filament and anode voltages for an electron discharge device. A. H. Boerdijk and J. M. L. Janssen. 2,586,507, Feb. 19.
Power system. R. H. Hagopian and M. P. Vore. 2,623,997, Dec. 30.
Power system. S. Wayto. 2,583,312, Jan. 22.
Power takeoff. C. Gerst. 2,600,108, June 10.
Power take-off. C. Gerst. 2,619,208, Nov. 25.
Power take-off. W. F. Strehlow. 2,582,466, Jan. 15.
Power takeoff. R. W. Wagner. 2,600,347, June 10.
Power take-off control. K. R. Haverkamp. 2,621,536, Dec. 16.
Power take-off coupling. L. R. Clausen. 2,614,405, Oct. 21.
Power take-off device for wheeled tractors. J. Heller. 2,588 721, Mar. 11.
Power take-off for trail mowers. G. P. Scheer. 2,603,050, July 15.
Power take-off from the forward end of aircraft propulsive power units. L. C. Secord and W. Boyd. 2,608,056, Aug 26.
Power take-off, Intermittently used. R. H. Sheppard. 2,589,880, Mar. 18.
Power take-off joint assembly. C. E. Swenson. 2,605,833, Aug. 5.
Power take-off mechanism and drive therefor. W. F. Benning. 2,618,979, Nov. 25.
Power tong. C. A. Lundeen. 2,618,468, Nov. 18.
Power tool. M. L. Briggs. 2,588,477, Mar. 11.
Power tool feed device. T. E. Mead. 2,609,714, Sept. 9.
Power transmission. C. Breer. 2,620,678, Dec. 9.
Power transmission. R. H. Dicke. 2,596,538, May 13.
Power transmission. D. B. Gardiner and R. A. Erskine. 2,586,932, Feb. 26.
Power transmission. M. K. Graham. 2,591,806, Apr. 8.
Power transmission. O. G. Houser. 2,604,171, July 22.
Power transmission. C. A. Latimer. 2,595,274, May 6.
Power transmission. G. G. Lewis and R. C. Conner. 2,621,521, Dec. 16.
Power transmission. F. B. Miller. 2,614,388, Oct. 21.
Power transmission. C. A. Neracher and W. T. Dunn. 2,599,773, June 10.
Power transmission. C. A. Neracher and W. T. Dunn. 2,609,900, Sept. 9.
Power transmission. P. T. Nims. 2,581,596, Jan. 8.
Power transmission. E. R. Price. 2,601,628, June 24.
Power transmission. H. O. Schjolin. 2,612,061, Sept. 31.
Power transmission. H. Schneider. 2,618,164, Nov. 18.
Power transmission. A. J. Syrovy, W. T. Dunn, and T. Iavelli. 2,584,939, Feb. 5.
Power transmission. E. Thomson. 2,615,344, Oct. 28.
Power transmission. M. P. Winther and H. J. Findley. 2,605,650, Aug. 5.
Power transmission and centrifugal clutch. M. H. Davis. 2,623,400, Dec. 30.
Power transmission apparatus. H. F. Hobbs. 2,608,275, Aug. 26.
Power transmission belt. T. Ellison and S. G. Leuty. 2,608,875, Sept. 2.
Power-transmission belt. R. Martin. 2,590,988, Apr. 1.
Power transmission belt. T. F. White. 2,582,366, Jan. 15.
Power transmission for motor vehicles. A. A. Issigonis, J. N. Morris, and P. W. Harrison. 2,620,679, Dec. 9.
Power transmission for trackworking tools and the like. H. H. Talboys. 2,607,251, Aug 19.
Power transmission gearing. B. W. Barlow and G. H. Murray 2,587,431, Feb. 26.
Power transmission in jaw crushers. K. Gauldie. 2,609,994, Sept. 9.
Power transmission means for coaxial gyroplane rotors. L. Brégnet. 2,596,363, May 13.
Power transmission mechanism. G. H. Amonsen. 2,589,032 Mar. 11.
Power transmission mechanism. M. W. Gredell. 2,585,114, Feb. 12.
Power transmission mechanism. T. Hindmarch. 2,599,632, June 10.
Power-transmission mechanism. A. M. Kamper. 2,611,886, Sept. 23.
Power transmission mechanism. R. E. Keller. 2,592,910, Apr. 15.
Power transmission mechanism. R. E. Keller. 2,601,151, June 17
Power transmission mechanism. R. E. Keller. 2,602,353, July 8.
Power transmission mechanism. S. S. McIntyre. 2,600,065, June 10.
Power-transmission mechanism. H. Sinclair. Re. 23,549, Sept. 9.
Power transmission mechanism. E. J. Thurber. 2,613,549–50, Oct. 14.

Power transmission mechanism. E. J. Thurber. 2,613,772, Oct. 14.
Power transmission mechanism. M. D. Wilson. 2,599,880, June 10.
Power transmission mechanism for farm implements. P. Corsentino. 2,595,336, May 6.
Power transmission system. D. F. McGill. 2,585,149, Feb. 12
Power transmission unit. K. Hefel. 2,599,387, June 3.
Power transmission unit. H. F. Heynau. 2,611,276, Sept. 23.
Power transmitter. P. Schulder. 2,609,075, Sept. 2.
Power transmitting apparatus. C. M. O'Leary. 2,589,120, Mar. 11
Power-transmitting mechanism. E. R. Burtnett. 2,592,538, Apr. 15.
Power transmitting mechanism. B. W. Keese. 2,601,297, June 24.
Power-transmitting mechanism for converting rotation to reciprocation. M. L. Love. 2,619,839, Dec. 2.
Power-transmitting mechanism for vehicles. G. F. Karow. 2,581,025, Jan. 1.
Power-transmitting system. E. R. Burtnett. 2,592,537, Apr. 15.
Power-transmitting system for slush pumps or the like. C. M. O'Leary. 2,594,064, Apr. 22.
Power unit. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,585,215, Feb. 12
Power unit and governor for household food mixer. W. F. Bisley. 2,612,571, Sept. 30.
Power unit and wagon unloader. T. B. Lavelle and A. F. Herzog. 2,595,395, May 6.
Power unit for three-wheeled vehicles. H. F. Vickers. 2,606,623, Aug. 12.
Power unit pressure responsive device. E. A. Rockwell. 2,608,061, Aug. 26.
Power unit with thermostatic control. J. A. Lauck. 2,594,460, Apr. 29.
Power washing centrifugal separator. J. R. Orelind. 2,603,413, July 15.
Power winch or hoist. L. D. Hagenbook. 2,582,987, Jan. 22.
Power wrench mechanism for ceramic filter presses. G. W. Lapp. 2,582,442, Jan. 15.
Powering vehicles. G. M. Myrmirides. 2,581,551, Jan. 8.
Practice attachment for golf clubs. J. B. Sloan. 2,621,044, Dec. 9.
Practice target for putting. O. L. Koch and P. Nix. 2,592,713, Apr. 15.
Prealloy for the production of cast iron and producing the prealloy. L. C. Crome. 2,603,563, July 15.
Prebreaking mechanism for carton blanks. O. Welsh and E. D. Noreen. 2,605,679, Aug. 5.
Precast concrete block joint. V. Leontovich. 2,616,284, Nov. 4.
Precast reinforced concrete unit. A. Henderson. 2,587,724, Mar. 4.
Precast sectional concrete stairs. D. S. Seeber. 2,615,325, Oct. 28.
Precautionary circuit. S. L. Eppel. 2,619,178, Nov. 25.
Precipitating cellulose acetate, Method and means for. G. T. Detwiler. 2,622,273, Dec. 23.
Precipitating high acetyl cellulose acetate. C. L. Crane. 2,596,656, May 16.
Precipitating tower. J. F. Haller. 2,585,385, Feb. 12.
Precipitation of zirconium hydroxide in a readily filterable form. H. H. Friedel. 2,610,104, Sept. 9.
Precipitator collecting electrode. R. Raper. 2,602,519, July 8.
Precision balance. Z. Kadlec and E. Douša. 2,614,825, Oct. 21.
Precision drilling machine. G. F. Wales. 2,623,419, Dec. 30.
Precision gauge. W. K. Dow. 2,602,235, July 8.
Precision gears, Making. J. J. Osplack. 2,607,175, Aug. 19.
Precision means for positioning and indicating the position of a movable member. W. C. Huebner. 2,583,376, Jan. 22.
Precision measuring tool. P. J. Bauerle. 2,594,844, Apr. 29.
Precision range finding apparatus. A. H. Schooley. 2,624,044, Dec. 30.
Precision resistance device. A. G. Robbins. 2,597,674, May 20.
Precision stress breaker for removable partial restorations. P. G. and F. G. Baca. 2,611,957, Sept. 30.
Precision turning, threading, and centering lathe attachment. R. J. Laningham. 2,601,716, July 1.
Precision variable resistor device. B. B. Scott. 2,588,994, Mar 11.
Precision weighing balance. G. Gorbach. 2,613,926, Oct. 14.
Precompresser for baling presses. H. W. Jones and G. Glazer. 2,616,312, Nov. 4.
Preconditioning hydrocarbon synthesis catalyst and removing fines therefrom. W. J. Mattox. 2,601,121, June 17.
Predetermined torque release wrench. R. E. Garwood. 2,601,799, July 1.
Predetermining counter with resetting controlled switch closing means. J. B. Hoye. 2,581,859, Jan. 8.
Predetermining temperature conditions within wall structures. C. F Kayan. 2,598,267, May 27.
Preelectrolysis treatment of pickle liquor. J. P. Oliver. 2,583,099, Jan. 22.
Prefabricated counter sections and assemblies thereof. T. H. Swisher. 2,594,516, Apr. 29.
Prefabricated folding building. G. M. Shumaker. 2,592,610, Apr. 15.
Prefabricated hank or ribbon for making ornamental pompon bows. T. L. McMahon. 2,587,502, Feb. 26.
Prefabricated marine structure. W. A. Hunsucker. 2,612,025, Sept. 30.
Prefabricated reinforced beam. R. S. Reed. 2,618,148, Nov. 18.
Prefabricated stair. G. W. Lyons. 2,593,683, Apr. 22.
Prefabricated structural assembly. L. J. Holmes. 2,604,342, July 22.
Prefocused headlamp bulb mounting. R. K. Braunsdorff. 2,610,290, Sept. 9.
Preformed bottle cap. R. H. Horning. 2,604,223, July 22.
Pregnancy test. G. C. Richardson and G. W. Rapp. 2,587,221, Feb. 26.
Preheater. N. A. Arvins and A. A. Arvintz. 2,610,037, Sept. 9.
Preheating the feed water for direct fired steam boilers, Method of and apparatus for. D. Dalin, G. V. Hagby, and T. G. A. Wykman. 2,623,506, Dec. 30.
Preliminary compacting feeding mechanism for balers. M. E. McClellan and L. G. Cheatum. 2,592,932, Apr. 15.
Preliminary finishing machine. H. L. Bishop. 2,580,723, Jan. 1.
Preloaded bearing cartridge assembly. S. S. Shoup. 2,605,148, July 29.
Preloader. A. McKone. 2,591,180, Apr. 1.
Preloading helicopter rotor shaft bearings, Method and apparatus for. J. R. Keller. 2,606,361, Aug. 12.
Preloading of bogies for motor cranes and the like. R. H. Zellman and M. L. Sheetz. 2,601,486, June 24.
Premature infant feeder. S. J. Demarco, Jr. 2,600,978, June 17.
Prepackaging unit for rayon yarn and the like. K. V. Robinson. 2,597,377, May 20.
Preparation and degradation of steroid amines. P. E. Julian, E. W. Meyer, R. Schroeder, and A. Magnani. 2,582,258, Jan. 15.
Preparation and reactivation of foraminate catalysts. P. W. Reynolds and R. L. Robinson. 2,604,455, July 22.
Preparation and use of fluid plugs in oil well cementing. L. L. Laurence. 2,582,909, Jan. 15
Preparation of homogeneous mixture of asphalt and polystyrene. J. Gaebel, P. Bakker, and J. G. Hoogland. 2,599,986, June 10.
Preparation of lysozyme from ass milk. D M. Polo and A. G. Alarcon. 2,590,121, Mar. 25.
Preparation of siloxanes by reacting dialkyldichlorosilanes with cupric oxide. C. Shaw, W. E. Smith, and H. G. Emblem. 2,580,852, Jan. 1.
Preparation of sponge rubber from foamed latex. W. F. Jordan. 2,604,664, July 29.
Preparation of the sulfuric acid salt of aminonitrothiazoles. H. L. Hubbard and G. W. Steahly. 2,617,809, Nov. 11.
Preparation of toasted nut meats. J. A. Zaloom. 2,582,188, Jan. 8.
Preparing a blank for a conically shaped diaphragm. J. B. Brennan. 2,596,364, May 13.
Preparing a cellulated glass body. W. D. Ford. 2,611,712, Sept. 23.
Preparing a drying oil by dehydrochlorination. D. A. Berry. 2,587,588, Mar. 4.
Preparing a grouting fluid. W. C. Blackburn. 2,618,570, Nov. 18.
Preparing a soluble protein from keratinaceous materials. B. Chiego. 2,597,566, May 20.
Preparing actinophage-resistant A. griseus and preparing streptomycin. H. B. Woodruff. 2,585,713, Feb. 12.
Preparing active form of manganese dioxide. A. L. Fox. 2,608,466, Aug. 26.
Preparing alcoholic beverages. J. G. Bruinier. 2,608,484, Aug. 26.
Preparing alkyl isodehydroacetates employing sulfur trioxide. J. M. Straley and B. S. Wininger. 2,607,781, Aug. 19.
Preparing an antibacterial substance from pyridoxamine. G. Shwartzman. 2,599,587, June 10.
Preparing and preserving frozen potatoes. H. M. Chase. 2,597,066, May 20.
Preparing and preserving potatoes. H. M. Chase. 2,597,065, May 20.
Preparing and preserving potatoes. H. M. Chase. 2,597,067, May 20.
Preparing and reducing mononitrated polystyrene. A. Skogseid. 2,592,349, Apr. 8.
Preparing arsenate-containing plant-protective agents. S. V. Lundbäck and S. G. Sandström. 2,608,505, Aug. 26.
Preparing cold-swelling starch products. J. Lolkema and W. A. van der Meer. 2,583,268, Jan. 22.
Preparing corn for popping. H. C. Smith. 2,614,044, Oct. 14.
Preparing $\Delta^{5,7}$-pregnadienes. S. Bernstein, D. J. Giancola, and K. J. Sax. 2,595,327, May 6.
Preparing dimethylpolsiloxane diols. E. L. Warrick. 2,607,792, Aug. 19.

Preparing dough for baking. W. M. Allen. 2,613,620, Oct. 14.
Preparing dried molasses. E. O. Sargent. Re. 23,467, Mar. 4.
Preparing duplicate plastic-backed printing plates. R. M. Schaffert and M. F. Browning. 2,581,718, Jan. 8.
Preparing electric cable for shipment. R. W. Atkinson and O. G. Garner. 2,616,780, Nov. 4.
Preparing glow discharge devices. M. A. Townsend. 2,583,029, Jan. 22.
Preparing grass seed for planting. Method and apparatus for. P. F. Marshall. 2,601,620, June 24.
Preparing heparin. B. E. G. V. Sylvén and K. O. Snellman. 2,623,001, Dec. 23.
Preparing indole compounds. E. B. Towne and H. M. Hill. 2,607,779, Aug. 19.
Preparing lead titanate pigments. F. O. Rummery. 2,607,659, Aug. 19.
Preparing N,N - dimethyl - N' - (p-chlorobenzyl) - N' - (2-pyridyl)-ethylenediamine. R. F. Phillips and E. M. Cates. 2,607,778, Aug. 19.
Preparing phenthiazine derivatives. S. S. Berg and J. N. Ashley. 2,607,773, Aug. 19.
Preparing solutions. E. L. Kropa. 2,602,073, July 1.
Preparing solutions of gelatin in polyhydric alcohols. L. F. Tice. 2,584,307, Feb. 5.
Preparing stable aerated wax compositions and articles. A. French. 2,583,938, Jan. 29.
Preparing stock feed. A. W. Bond and C. C. Lewis. 2,622,981, Dec. 23.
Preparing substantially iron-free ammonium sulfate from spent pickle liquor. H. P. Meissner and R. W. Hyde. 2,584,280, Feb. 5.
Preparing 2,2-diphenyl-3-methyl-4-dimethylamino-butyronitrile. E. M. Chamberlin and M. Tishler. 2,607,794, Aug. 19.
Preselector tuning mechanism. B. Howard. 2,613,321, Oct. 7.
Presence of crown detectors. G. P. Stout. 2,587,664, Mar. 4.
Preservation of a rubber with a terpene modified phenol. L. O. Amberg. 2,606,886, Aug. 12.
Preservation of eggs. H. A. Mulvany. 2,618,216, Nov. 18.
Preservation of eggs. H. A. Mulvany. 2,618,562, Nov. 18.
Preservation of ether. E. Mallinckrodt, Jr., and A. E. Ruehle. 2,587,744, Mar. 4.
Preservation of green color in canned vegetables. G. H. Bendix, R. E. Henry, and N. H. Strodtz. 2,589,037, Mar. 11.
Preserved fish worm and solution for and method of preserving fish worms. J. A. Doyle, Jr. and G. W. Pirk. 2,582,534, Jan. 15.
Preserving artichokes by freezing. J. Rose. 2,586,863, Feb. 26.
Preserving foodstuffs which are subject to the attack of fungi. F. D Tollenaar. 2,586,274, Feb. 19.
Preserving fresh corn. E. T. Bolsvert. 2,606,840, Aug. 12.
Preserving fruits and vegetables. R. J. Geary. 2,615,814, Oct. 28.
Preserving peeled white potatoes. C. Scalera. 2,620,277, Dec. 2.
Preserving plant and animal tissues. G. R. Fessenden. 2,606,843, Aug. 12.
Preserving popcorn in solid fat. G. Martin. 2,604,407, July 22.
Preserving rubber and product thereof. M. W. Harman. 2,582,695, Jan. 15.
Preserving shell eggs. L. D. Mink. 2,598,586, May 27.
Preserving spray dried food products. P. F. Sharp and A. J. Wasson. Re. 23,548, Sept. 9.
Preserving the freshness of cut ferns. M. P. Rogers. 2,581,299, Jan. 1.
Preset releasing sub assembly. K. E. Waggener. 2,597,414, May 20.
Preset type impulse-sender. J. J. Madden. 2,594,949. Apr. 29.
Preshaping of recorded waves. F. G. Albin. 2,587,081. Feb. 26.
Preshrinking crystalline vinylidene chloride copolymer film. R. D. Lowry and H. L. Schaefer. 2,603,838, July 22.

Press: See—
- Air operated impact press.
- Automatic extrusion press.
- Automatic molding press.
- Baling press.
- Cheese press.
- Citrus fruit press.
- Compacting press.
- Continuous gluing press.
- Curing press.
- Curved platen printing press.
- Double-acting plunger press.
- Drill press.
- Fabricated press.
- Fruit press.
- Hydraulic press.
- Intaglio printing and embossing press.
- Intermittenly revolvable table laundry press.
- Jewel setting press.
- Machine press.
- Machine tool press.
- Multicolor proof press.
- Oil press.
- Pneumatic press.
- Power press.
- Punch press.
- Rapidly adjustable press.
- Rotary multiple punching press.
- Scrap bundling and briquetting press.
- Shoe press.
- Silk screen printing press.
- Steeping press.
- Toggle press.
- Transfer molding press.
- Vacuum gravity press.

Press and clamp. Combined. T. H. Birch. 2,612,411, Sept. 30.
Press and die wiper therefor, Die stamping. R. N. Steffens. 2,586,108. Feb. 19.
Press construction. C. A. Rietz. 2,609,744, Sept. 9.
Press drive for vitreous materials. P. Kucera. 2,598,564, May 27.
Press for crushing cans. A. C. Heymers. 2,603,271, July 15.
Press for drawing sheet metal. C. J. Rhodes. 2,615,412, Oct. 28.
Press for macaroni. L. Barbieri. 2,588,196, Mar. 4.
Press for metal stamping. A. K. Nowak. 2,581,434, Jan. 8.
Press for photographic dry mounting. D. K. Young. 2,585,893. Feb. 12.
Press for the manufacture of continuous web material. W. J. Fischbein. 2,602,960, July 15.
Press guiding gib. B. Japikse. 2,581,022. Jan. 1.
Press inclining device. I. Patrick. 2,602,508, July 8.
Press loader and shutter. R. Chapman. 2,599,693, June 10.
Press loading mechanism. E. L. Croston. 2,593,012, Apr. 15.
Press mechanism and feed means therefor. E. L. Croston. 2,597,923. May 27.
Press platen for laminated material. D. E. Hervey. 2,614,590. Oct. 21.
Press sealing head for wrapping and sealing edibles. P. A. Terry. 2,613,489, Oct. 14.
Press unloader and shutter. R. Chapman. 2,612,275, Sept. 30.
Press wheel. H. G. Klemm. 2,606,486. Aug. 12.
Press wheel for farm planter. J. D. Berwick. 2,604,836, July 29.
Press with mechanical drive having harmonic motion and hydraulic transmission. A. K. Nowak. 2,581,435, Jan 8
Pressed metal meter box. K. H. Foskett. 2,595,132, Apr. 29.
Pressed metal vehicle wheel. D. W. Voorhees. 2,584,309, Feb. 5.
Presser foot for sewing machines. J. L. Rockerath. 2,581,603. Jan. 8.
Presser foot for sewing machines, Universal. M. Goldstein. 2,586,936. Feb. 26.
Presser foot mechanism for sewing machines. T. J. O'Laughlin. 2,600,424. June 17.
Presser lid with steaming attachment. H. D. Davis. 2,611,980. Sept. 30.
Presser, Necktie. N. Dorazio. 2,598,238, May 27.
Pressing blanks of molded pulp. E. M. Chevrier. 2,611,154. Sept. 23.
Pressing device for garrison cap covers and the like. P. A. Loomis. 2,593,682. Apr. 22.
Pressing iron. H. B. Reynolds. 2,606,379. Aug. 12.
Pressing or ironing machine. G. H. Haverkate. 2,589,939, Mar. 18.
Pressing sawdust into the form of bodies. W. W. Letts. 2,622,510. Dec. 23.
Pressure actuated transmission control unit. R. D. Fageol. 2,584,995–6, Feb. 12.
Pressure amplifying system for hydraulic brake wheel cylinders. P. S. Baldwin. 2,617,260. Nov. 11.
Pressure and vacuum relief valve. P. B. Drane. 2,599,979. June 10.
Pressure and vacuum relief valve. R. J. Smithisler. 2,605,779. Aug. 5.
Pressure applying and release mechanism for wringers. W. L. Kauffman, II. 2,592,575. Apr. 15.
Pressure applying mechanism. J. C. Cantley. 2,618,931, Nov. 25.
Pressure bar and pressure bar holder assembly in veneer cutting machines. E. H. Merritt. 2,607,378. Aug. 19.
Pressure breathing demand oxygen regulator. H. Seeler. 2,597,039. May 20.
Pressure carburetor. A. W. Orr, Jr. 2,584,911. Feb. 5.
Pressure chamber liquid control unit. P. J. McCullough. 2,587,747. Mar. 4.
Pressure combustion and compressor. B. Love. 2,604,934, July 29.
Pressure compensated pump. J. K. Douglas. 2,585,232, Feb. 12.
Pressure compounding device for hydraulic systems. L. J. Teske. 2,597,404, May 20.
Pressure control system for aircraft cabins. B. E. Del Mar. Re. 23,536, Aug. 26.
Pressure control valve. H. Cruzan. 2,601,745. July 1.
Pressure control valve. D. R. McNeal. 2,622,613. Dec. 23.
Pressure controlling appliance. A. Carter. 2,603,477, July 15.
Pressure controlling appliance. A. Carter and G. Slade. 2,617,645. Nov. 11.
Pressure converter system and apparatus therefor. E. A. Rockwell. 2,588,048, Mar. 4.
Pressure cooker. W. A. Andres. 2,591,767. Apr. 8.
Pressure cooker. H. J. De Vries. 2,623,657, Dec. 30.
Pressure cooker. G. S. Faber. 2,595,236. May 6.
Pressure cooker. C. O. Strom. 2,600,703. June 17.
Pressure cooker. S. L. Troy. 2,619,254. Nov. 25.
Pressure cooker. W. A. Welden. 2,614,726. Oct. 21.
Pressure cooker, Agitating. W. M. Tomkins and C. E. Magnus. 2,601,645. June 24.

Pressure cooker and the like. W. A. Welden. 2,614,725, Oct. 21.
Pressure cooker. Continuous. G. S. Prather. 2,585,170, Feb. 12.
Pressure cooker cover support. M. J. Zimmer. 2,581,995, Jan. 8.
Pressure cooker, Hotel type. J. L. Shroyer. 2,613,666, Oct. 14.
Pressure cooker, Microwave. A. E. Welch. 2,622,187, Dec. 16.
Pressure cooker relief valve. C. W. Abercrombie. 2,592,992, Apr. 15.
Pressure cooker relief valve. C. C. Schweiso. 2,620,086, Dec. 2.
Pressure cooker with automatic vent. G. C. Wyman. 2,614,722, Oct. 21.
Pressure cooker with protective shield. W. A. Welden and G. C. Wyman. 2,614,720, Oct. 21.
Pressure cooker with selectively adjustable vent valve. G. C. Wyman. 2,614,724, Oct. 21.
Pressure cooking device. J. L. Murray. 2,610,764, Sept. 16.
Pressure cooking device. S. E. Richeson and J. A. Allegro. 2,586,715. Feb. 19.
Pressure differential switch. J. M. Simon. 2,604,561, July 22.
Pressure energy exchanger. P. Kollsman. 2,591,441, Apr. 1.
Pressure equalizing valve. D. B. Baker. 2,584,533, Feb. 5.
Pressure feeder device for infusion strainers. J. H. Herrera. 2,598,377, May 27.
Pressure fluid actuated operator for pipe line valves. H. J. Shafer. 2,612,906, Oct. 7.
Pressure fluid clamp. J. Haller. 2,586,536, Feb. 19.
Pressure fluid motor control. T. E. Mead. 2,607,324, Aug. 19.
Pressure fluid seal controlling device. C. B. Kidney. 2,614,797. Oct. 21.
Pressure fluid supply system. D. N. Walker and R. E. Ingham. 2,607,297. Aug. 19.
Pressure gauge. G. E. Coxon. 2,607,228. Aug. 19.
Pressure gauge. W. T. Engel. 2,595,063. Apr. 29.
Pressure gauge. F. W. Hottenroth. 2,618,977. Nov. 25.
Pressure gauge. P. Mondet. 2,596,271. May 13.
Pressure gauge attaching device for portable service. D. Ragland. 2,618,978. Nov. 25.
Pressure gauge for forging presses. R. G. Friedman. 2,622,440. Dec. 23.
Pressure gauge for sand formation testers. H. Pennington. 2,611,267. Sept. 23.
Pressure-heat sensitive bonding material. N. H. Simpson and W. D. Smith. 2,607,709. Aug. 19.
Pressure indicator. J. A. Stein and J. W. Wagner. 2,610,508, Sept. 16.
Pressure jet apparatus. D. M. Paxton. 2,596,593. May 13.
Pressure limiting means for liquid charged refrigeration expansion valves. F. Y. Carter. 2,594,393. Apr. 29.
Pressure lubricator. M. O. Lending. 2,619,192. Nov. 25.
Pressure maintaining device. E. M. Deters. 2,594,405, Apr. 29.
Pressure measuring apparatus. B. H. Smith and G. W. Rosenberger. 2,586,393. Feb. 19.
Pressure measuring device. J. D. Russell. 2,585,350, Feb. 12.
Pressure molding laminates. T. M. Halsall. 2,614,955, Oct. 21.
Pressure operated follow-up system. W. A. Ray. 2,597,032. May 20.
Pressure operated indicating apparatus. S. S. Di Maggio, Jr. 2,594,136. Apr. 22.
Pressure-operated mechanism for controlling fluid flow. H. W. Meade. 2,621,482. Dec. 16.
Pressure operated reciprocating valve. L. J. Ziegelmeyer. 2,613,652. Oct. 14.
Pressure operated resistor. J. Clark. 2,580,407. Jan. 1.
Pressure-operated starting device. E. H. Hull and A. F. Winslow. 2,597,641. May 20.
Pressure plate for plural platen presses. H. J. Harrison. 2,620,725. Dec. 9.
Pressure producing device for pneumatic guns. C. F. Lefever. 2,623,514. Dec. 30.
Pressure ratio valve for aircraft air conditioning systems. R. A. Fischer. 2,618,125. Nov. 18.
Pressure reducing valve. K. K. La Point. 2,619,777, Dec. 2.
Pressure reduction valve. H. G. Camner. 2,608,208, Aug. 26.
Pressure regulating and shaft positioning mechanism for turbine driven pumps. R. H. Goddard. 2,616,373, Nov. 4.
Pressure regulating device. E. G. Steffen. 2,597,961, May 27.
Pressure regulating valve. F. J. Eichelman. 2,613,481, Oct. 14.
Pressure-regulating valve. W. D. Teague, Jr. 2,600,137, June 10.
Pressure regulator. R. T. Cornelius. 2,591,407. Apr. 1.
Pressure regulator. L. E. Grosboll. 2,614,367. Oct. 21.
Pressure regulator. N. Plank. 2,600,073. June 10.
Pressure regulator. D. A. Stark. 2,622,611. Dec. 23.
Pressure regulator. V. F. Wells. 2,586,131. Feb. 19.
Pressure regulator. R. R. Witherell. 2,606,499. Aug. 12.
Pressure regulator gauge guard. J. L. Matasovic. 2,595,156. Apr. 29.
Pressure regulator with interengaging piston and seat insert. W. D. Salter and O. L. Smith. 2,618,908, Nov. 25.
Pressure releasable locking mechanism for fluid pressure pistons. H. E. Rose. 2,609,793, Sept. 9.
Pressure release equipment. F. E. Russell and R. H. Mueller. 2,589,144. Mar. 11.
Pressure-relief apparatus. L. M. Goldsmith. 2,594,152, Apr. 22.
Pressure-relief door for heating units. W. P. Ayers. 2,623,482. Dec. 30.
Pressure relief plug for pressure cookers. C. R. Turner. 2,619,982. Dec. 2.
Pressure relief radiator cap. D. Friend. 2,603,379. July 15.
Pressure relief valve. H. P. Birkemeier. 2,603,231. July 15.
Pressure relief valve. M. W. Huber. 2,587,161. Feb. 26.
Pressure relief valve. W. E. Renick. 2,619,112. Nov. 25.
Pressure relief valve. E. W. Work. 2,584,523. Feb. 5.
Pressure responsive control device for vacuum cleaners. F. C. Doughman. Re. 23,516. July 1.
Pressure responsive control device for vacuum cleaners. F. C. Doughman. 2,580,643. Jan. 1.
Pressure-responsive device. H. Schaevitz. 2,600,271, June 10.
Pressure responsive measuring apparatus. J. P. Henderson. 2,592,569. Apr. 15.
Pressure responsive regulator. H. Secler. 2,596,178, May 13.
Pressure responsive switch. N. F. Hosford. 2,615,104, Oct. 21.
Pressure responsive valve. E. C. Filstrup, Jr. 2,591,528, Apr. 1.
Pressure responsive valve. D. C. Green. 2,591,148. Apr. 1.
Pressure responsive valve and valve system. H. U. Garrett, C. M. Peters, and E. D. McMurry. 2,620,741, Dec. 9.
Pressure roller and pad roller, Interlocked. S. E. Bartelson. 2,586,600. Feb. 19.
Pressure roller apparatus. E. H. Land 2,590,185, Mar. 25.
Pressure roller for drawing devices. A. Nau-Touron. 2,601,550. June 24.
Pressure seal. V. L. Rogallo. 2,596,045. May 6.
Pressure sealed relief valve. T. A. St. Clair. 2,614,582, Oct. 21.
Pressure sealing bottle cap. R. E. Grueger. 2,582,489, Jan. 15.
Pressure sealing construction. R. L. Skinner. 2,615,761, Oct. 28.
Pressure sealing device for vulcanizing pneumatic tires. N. H. Tritt. 2,597,550, May 20.
Pressure sealing means. R. L. Skinner. 2,623,798, Dec. 30.
Pressure seated reversing valve. S. C. Turkenkoph and T. Evans. 2,583,242, Jan. 22.
Pressure sensitive device. G. B. Bailey. 2,604,116, July 22.
Pressure sensitive engine shutdown device. D. L. Richardson. 2,580,596, Jan. 1.
Pressure sensitive record material, Making. B. K. Green. 2,618,573. Nov. 18.
Pressure sensitive switch. T. W. Hallerberg. 2,582,483, Jan. 15.
Pressure spray apparatus. J. P. Quarles. 2,594,992, Apr. 29.
Pressure switch. J. C. Koonz and C. L. Piper. 2,590,419, Mar. 25.
Pressure switch. H. H. Wolfe and E. W. Haas. 2,623,963, Dec. 30.
Pressure system. J. Jacuzzi. 2,621,596. Dec. 16.
Pressure tank cover construction. B. R. Winborn, Jr., and D. E. Beduhn. 2,611,505, Sept. 23.
Pressuretight transmission. C. Bosch. 2,607,233. Aug. 19.
Pressure titration. H. K. Wiese. 2,583,454. Jan. 22.
Pressure transformer. M. Monoyer. 2,592,940. Apr. 15.
Pressure type releasing washover overshot. G. E. Justice and L. W. Storm. 2,621,960, Dec. 16.
Pressure-vacuum control valve. J. H. Wiggins. 2,587,943, Mar. 4.
Pressure vacuum relief radiator cap. L. J. Smith and D. Friend. 2,582,209. Jan. 8.
Pressure vessel. C. E. Johnson. 2,613,462, Oct. 14.
Pressure vessel closure. A. J. Ward. 2,592,627. Apr. 15.
Pressure warning device. T. M. Templeman. 2,623,940, Dec. 30.
Pressure welding machine. R. T. Murray and F. Viti. 2,585,266. Feb. 12.
Pressurized alkali-metal tubes. J. L. Boyer. 2,595,634, May 6.
Pressurized antenna feed. D. L. Jaffe. 2,605,420. July 29.
Pressurized fuel burning and air heating unit. C. D. Graber. 2,619,954, Dec. 2.
Pressurizing and sealing thermostat tubes, Method of and apparatus for. W. M. Smith and D. A. Brosseau. 2,622,779, Dec. 23.
Prestressed concrete structure. L. Coff. 2,590,685, Mar. 25.
Prestressing reinforced concrete pipes. F. L. Fitzpatrick. 2,582,751. Jan. 15.

Pretensioned spring. D. C. Koehler. 2,616,993, Nov. 4.
Pretreating liquid fuel, Method and apparatus for. H. S. Hill. 2,592,568, Apr. 15.
Pretreatment of araikyl hydrocarbons with alkali metal hydroxide. G. G. Joris. 2,621,213, Dec. 9.
Pretreatment of beryllium prior to coating. M. Kolodney. 2,588,734, Mar. 11.
Pretreatment of cumene by oxidation. G. G. Joris. 2,619,509, Nov. 25.
Preventing and removing accumulations of foreign materials. N. C. Smith. 2,603,226, July 15.
Preventing collision between moving vehicles. C. H. Holm. 2,605,393, July 29.
Preventing corrosion and corrosion inhibitors. C. M. Blair, Jr. 2,598,213, May 27.
Preventing cracking of silicon steel during hot rolling. G. H. Goodsell. 2,618,843, Nov. 25.
Preventing decay of citrus fruits, vegetables, etc. A. J. Rinck. 2,607,694, Aug. 19.
Preventing deterioration of printing rollers. P. A. Charlesworth and J. Craven. 2,622,038, Dec. 16.
Preventing deterioration of seeds. A. M. Altschul, M. Z. Condon, and M. G. Lambou. 2,584,972, Feb. 12.
Preventing end checking in the artificial seasoning of wood. M. S. Hudson. 2,623,300, Dec. 30.
Preventing entrainment of liquid refrigerant with refrigerant gas. E. R. Magnus. 2,580,805, Jan. 1.
Preventing evaporation loss and apparatus therefor. I. L. Wissmiller. 2,611,511, Sept. 23.
Preventing fluid loss through porous walls. O. W. Van Dyke. 2,610,149, Sept. 9.
Preventing foaming in transferring hot asphalt. R. A. Hanson and F. S. Scott. 2,585,119, Feb. 12.
Preventing ice accumulation on airfoils. B. F. Jones. 2,599,059, June 3.
Preventing infection by coccidia by employing a bromoalkene. A. E. Doty, J. E. Johnson, Jr., D. R. Mussell, and M. A. Wolf. 2,586,793, Feb. 26.
Preventing premature firing of depth charges. J. L. Andrews. 2,612,107, Sept. 30.
Preventing the development of sourness in certain petroleum liquids during distillation. G. W. Ayers, M. J. Geerts, and R. E. Chandler. 2,597,427, May 20.
Preventing the tarnishing of silverware, Method and material for. B. Egeberg, M. A. Orr, and J. P. Phaneuf. 2,590,094, Mar. 25.
Preventing water encroachment in oil wells. P. S. Williams and H. J. Welge. 2,614,635, Oct. 21.
Prevention of amine losses in gas treating systems. H. D. Frazier. 2,608,461, Aug. 26.
Prevention of ammonium sulfide corrosion. C. A. Murray. 2,589,114, Mar. 11.
Prevention of corrosion. D. B. Sheldahl. 2,598,725, June 3.
Prevention of corrosion. F. M. Watkins. 2,588,441, Mar. 11.
Prevention of corrosion in aqueous systems. A. L. Jacoby. 2,582,129, Jan. 8.
Prevention of corrosion in steam generation. A. L. Jacoby. 2,580,923–4, Jan. 1.
Prevention of corrosion in steam lines. R. C. Ulmer. 2,587,249, Feb. 26.
Prevention of corrosion in wells. J. A. Caldwell and M. L. Lytle. 2,614,982–3, Oct. 21.
Prevention of erosion in pipe lines. T. C. Taylor. 2,622,937, Dec. 23.
Prevention of foaming in steam generation. P. G. Bird, A. L. Jacoby, and R. W. Kell. 2,580,880, Jan. 1.
Prevention of foaming in steam generation. P. G. Bird and A. L. Jacoby. 2,588,344–5, Mar. 11.
Prevention of foaming in steam generation. L. O. Gunderson. 2,583,771, Jan. 29.
Prevention of foaming in steam generation. L. O. Gunderson. 2,600,361, June 10.
Prevention of foaming in steam generation. A. L. Jacoby. 2,580,922, Jan. 1.
Prevention of foaming in steam generation. C. E. Johnson. 2,609,344, Sept. 2.
Prevention of foaming of oils. C. E. Trautman. 2,603,599, July 15.
Prevention of leakage of make gas from stack valve of a combustible gas generating set. T. B. Williams. 2,585,417, Feb. 12.
Prevention of pinking in rubber articles containing di-beta-naphthyl-para-phenylene diamine antioxidant. D. G. Slovin. 2,610,983, Sept. 16.
Prevention of rust. F. M. Watkins. 2,594,266, Apr. 22.
Prevention of siliceous deposition from steam. A. C. Schubring and L. W. Jillson. 2,595,490, May 6.
Price marker. Adjustable mechanical. L. R. Alles. 2,585,420, Feb. 12.
Price tag and molding trim. F. G. Schuler. 2,608,777, Sept. 2.
Price tag molding. F. G. Schuler. 2,608,776, Sept. 2.
Price tag or ticket holder. N. J. Breakey. 2,592,386, Apr. 8.
Primary alcohol composition. W. F. Gresham and M. A. Kubico. 2,609,397, Sept. 2.
Primary alkaline cell. G. B. Ellis. 2,601,267, June 24.
Primary battery and consumer. F. Portail. 2,594,988, Apr. 29.
Primary cell. I. C. Blake. 2,612,533–7, Sept. 30.
Primary cell. J. J. Coleman and D. V. Louzos. 2,597,451–6, May 20.
Primary cell. B. H. King. 2,593,893, Apr. 22.
Primary cell. R. C. Kirk, A. B. Fry, and P. F. George. 2,621,220, Dec. 9.
Primary cell. R. W. Reid. 2,616,940, Nov. 4.
Primary cell or battery. G. W. Heise and E. A. Schumacher. 2,612,532, Sept. 30.
Primary cell structure. G. B. Ellis. 2,580,415, Jan. 1.
Primary cells. S. Glasstone. 2,619,437, Nov. 25.
Primary electric cell. R. W. Lewis and R. P. Richardson. 2,595,963, May 6.
Primary galvanic cell. J. P. Teas. 2,605,299, July 29.
Primary galvanic cell and battery and making same. N. C. Cahoon and G. W. Heise. 2,612,538, Sept. 30.
Primer assembly for artillery ammunition. N. K. Turnbull. 2,592,623, Apr. 15.
Priming apparatus for internal-combustion engines. K. P. Schoeppner and C. F. Zaitz. 2,601,562, June 24.
Priming means for centrifugal pumps. A. L. Gris6. 2,612,844, Oct. 7.
Print processing machine. B. E. Luboshez. 2,604,024, July 22.
Printed circuit structure for high-frequency apparatus. E. J. Sass and D. Mackey. 2,611,010, Sept. 16.
Printed tag receiver for tag printing machines. P. N. Braun. 2,611,314, Sept. 23.
Printer hammer dampener. W. E. Eickman. 2,616,366, Nov. 4.
Printer, Tape. J. H. Drillick. 2,613,262, Oct. 7.
Printer's chase. F. C. Roueche. 2,583,495, Jan. 22.
Printer's gauge. C. J. Winkvist. 2,611,315, Sept. 23.
Printer's inks, Method and apparatus for making. H. G. Hoffmeister and A. H. Soane. 2,599,633, June 10.
Printing. G. R. Brodie. 2,614,493, Oct. 21.
Printing. J. Groak. 2,616,961, Nov. 4.
Printing and applying labels to wrapping paper, Method and apparatus for. J. L. Elsman. 2,590,239, Mar. 25.
Printing and cutting die. O. H. St. Lawrence. 2,619,897, Dec. 2.
Printing apparatus. C. H. Gilbert. 2,587,612, Mar. 4.
Printing apparatus. C. H. Gilbert. 2,620,729–30, Dec. 9.
Printing apparatus. H. H. Hillmer and H. P. Orent. 2,588,385, Mar. 11.
Printing chase. C. L. Lance. 2,593,575, Apr. 22.
Printing device. W. H. Nau. 2,599,194, June 3.
Printing device for calculating machines. P. L. Couffignal. 2,623,455, Dec. 30.
Printing device for producing graphs, prints, or the like. M. B. Willis. 2,601,196, June 17.
Printing device for use in connection with business machines. C. H. Stuivenberg. 2,586,737, Feb. 19.
Printing device, Hand stamp. W. F. Oblinger. 2,584,908, Feb 5.
Printing device, Photographic. A. Gazza. 2,607,264, Aug. 19.
Printing device, Selective word. A. H. Sharpe. 2,620,915, Dec. 9.
Printing device, Self-justifying. T. E. Lynch. 2,609,907, Sept. 9.
Printing device using portable printing plates of the token type. L. E. Vogt. 2,606,494, Aug. 12.
Printing fabrics with aryl sulfonhydrazides. J. A. Sprung and W. A. Schmidt. 2,593,930, Apr. 22.
Printing ink containing a terpene modified phenol formaldehyde resin. J. Pantin and G. R. MacQuaker. 2,615,854, Oct. 28.
Printing inks. A. F. Schmutzler. 2,597,903, May 27.
Printing machine. W. T. Gollwitzer. 2,598,990–1, June 3.
Printing machine. W. T. Gollwitzer. 2,605,699, Aug. 5.
Printing machine. G. W. Hopkins. 2,607,289, Aug. 19.
Printing machine, Bed and cylinder address. W. T. Gollwitzer. 2,605,698, Aug. 5.
Printing machine, Continuously rotary character-wheel. L. R. Prouty. 2,613,796, Oct. 14.
Printing machine employing cylinders of various diameters, Rotary. J. Haspert. 2,606,493, Aug. 12.
Printing machine for duplicating indicia. W. H. Wolowitz. 2,582,187, Jan. 8.
Printing machine for marking articles. P. N. Braun. 2,603,152, July 15.
Printing machine for printing addresses. E. Ostwaldt. 2,587,373, Feb. 26.
Printing machine for show cards. A. H. Kohlbusch. 2,608,155, Aug. 26.
Printing machine for small articles. J. R. Newell. 2,581,281, Jan. 1.
Printing machine, Intaglio. A. P. Battey. 2,585,617, Feb. 12.
Printing machine, Invoice. S. C. Giltborpe. 2,608,156, Aug. 26.
Printing machine, Photographic. A. L. Nielsen. 2,601,051, June 17.
Printing machine, Stencil. H. P. Elliott. 2,597,464, May 20.
Printing machine using endless band plate carriers, Multicolor web. F. J. Trözmüller. 2,622,522, Dec. 23.
Printing machine with article supporting device. J. G. Blakey. 2,601,825, July 1.
Printing machine with reversible printing unit, Rotary. W. F. Huck and A. Stobb. 2,597,932, May 27.
Printing means. W. C. Huebner. 2,590,321, Mar. 25.

Printing mechanism for adding machines. G. C. Ellerbeck 2,586,420, Feb. 19.
Printing mechanism synchronizer. J. G. McKay. 2,595,279, May 6.
Printing method and apparatus therefor, Ribbon inker. W. B. Payne. 2,586,560, Feb. 19.
Printing, Method of and apparatus for. G. R. Brodie. 2,614,492, Oct. 21.
Printing of woolen textiles with a nonaqueous paste comprising a dyestuff containing an acid group, a water-insoluble vinyl polymer, and an acid-liberating agent. E. Meier. 2,589,951, Mar. 18.
Printing on thermoplastics. R. H. Sturm. 2,622,991, Dec. 23.
Printing onto lenticular film. J. G. Capstaff. 2,588,615, Mar 11.
Printing paste comprising a vat dye carried in a water-in-oil emulsion, said oil being a liquid hydrocarbon in which an alkyd resin is dissolved. F. Fordemwalt. 2,594,899, Apr. 29.
Printing paste, Silk-screen. F. E. Kerridge and C. S. Couper. 2,610,127–8, Sept. 9.
Printing plate etching. K. Sollner. 2,585,864, Feb. 12.
Printing plate fastening. J. Burgess. 2,582,960, Jan. 22.
Printing press control means. R. L. Friel. 2,622,524, Dec. 23.
Printing press drive. W. M. Pollock. 2,585,585, Feb. 12.
Printing process wherein an alkaline substance passing through stencil openings effects coupling of an azo dye in situ. S. E. Eaton and R. W. Fabian. 2,597,306, May 20.
Printing roller testing device. L. S. Meyer. 2,617,356, Nov. 11.
Printing slug slicing and shaving machine. J. D. Lithgow. 2,596,338, May 13.
Printing stamp for maps, Azimuth ring. R. C. Barker. 2,582,943, Jan. 22.
Printing telegraph apparatus. G. Lanza. 2,590,421, Mar. 25
Printing telegraph apparatus. R. D. Salmon. 2,615,980, Oct. 28.
Printing telegraph apparatus. R. D. Salmon and A. A. Kirchel. 2,605,353, July 29.
Printing telegraph receiver. R. D. Salmon. 2,585,041, Feb. 12.
Printing telegraph receiver. R. D. Salmon and F. J. L. Turner. 2,593,489, Apr. 22.
Printing telegraph selector. W. J. Zenner. 2,595,745, May 6.
Printing telegraph system. J. D. Durkee. 2,613,267, Oct. 7.
Printing textile fabrics. C. Albini-Colombo. 2,583,286, Jan. 22
Printing textile fabrics with vat dyes. A. K. Saville. 2,587,905, Mar. 4.
Printing upon the open edges of books, Process and machine for. F. Meyer. 2,603,147, July 15.
Printing wheel. J. G. McKay. 2,607,293, Aug. 19.
Printing with onium dyestuffs and buffer mixtures. T. Chadderton and R. Thornton. 2,599,371, June 3.
Prismatic optical viewing device. R. P. Evans. 2,618,199, Nov. 18.
Private branch exchange cord circuit providing warning tone when operator listens in. K. L. Burgener. 2,605,363, July 29.
Private branch exchange trunk circuit. P. R. Gray. 2,586,534, Feb. 19.
Prizing tool. O. A. Johnson. 2,585,013, Feb. 12.
Probability and proportioning switch. D. E. Hooker. 2,601,524, June 24.
Probe device for fluid condition measuring apparatus. H. O. Nilsson and L. R. Phillips. 2,612,047, Sept. 30.
Probe supporting apparatus for wind tunnels. H. W. Klas. 2,612,776, Oct. 7.
Procedure for disinfecting aqueous liquids with bromine. H. C. Marks and F. B. Strandskov. 2,580,808, Jan. 1.
Procedure for purifying aqueous liquid. H. C. Marks and F. B. Strandskov. 2,580,809, Jan. 1.
Procedure in making and preserving juices of fruit and other vegetables. H. Pirhonen. 2,620,278, Dec. 2.
Process and apparatus for absorption spectrometry. J. J. Heigl and J. A. Hinlicky. 2,620,444, Dec. 2.
Process and apparatus for concentrating solutions. J. Schmidt. 2,617,274, Nov. 11.
Process and apparatus for contacting fluidized solids with gaseous fluids. N. E. Peery. 2,617,708, Nov. 11.
Process and apparatus for manufacture of iron shots. R. R. Hancox, G. L. Tuer, Jr., and M. J. Stutzman. Re. 23,538, Aug. 26.
Process and apparatus for preparatory dressing of coal, minerals, and other solids, using a heavy liquid. W. Vogel. 2,612,267, Sept. 30.
Process and apparatus for soaking, filtering, and settling of miscella through solid oil-bearing materials and solvent extraction thereof. M. Bonotto. 2,582,675, Jan. 15.
Process and apparatus for the continuous production of a sliver or roving from fibers of glass, plastic, or like substances. W. Schuller. 2,621,444, Dec. 16.
Process and apparatus for the production of artificial fibers. D. Horsák. 2,580,918, Jan. 1.
Process and arrangement for the transmission of calls. H. L. Lesigne. 2,621,242, Dec. 9.
Process and catalyst for producing ethylene oxide. G. W. Sears, Jr. 2,615,900, Oct. 28.
Process and device for melting preferably organic products in an alternating high-frequency field. A. Friederich. 2,623,155, Dec. 23.
Process and device for the manufacture of corrugated sheets of asbestos cement. C. Herzog. 2,589,379, Mar. 18.
Process and device for the measuring of rotational velocities. W. Wahll. 2,582,727, Jan. 15.
Process and system for treating hydrocarbon oil with liquid hydrogen fluoride. J. J. Giachetto, D. H. Wagner, and J. E. Wolf. 2,612,464, Sept. 30.
Process for the hydrolytic hydrogenation of carbohydrates in an acid medium. C. M. H. Kool, H. A. Van Westan, and L. Hartstra. 2,609,399, Sept. 2.
Process in pretreating vegetables and fruits before freezing. O. Helgerud. 2,581,484, Jan. 8.
Processing alfalfa. H. Miller. 2,600,903, June 17.
Processing and canning whole sweet milk. L. T. Winger. 2,596,753, May 13.
Processing and canning whole sweet milk. L. T. Winger, Sr. 2,622,983, Dec. 23.
Processing carbonaceous solids. W. W. Odell and G. L. Matheson. 2,595,366, May 6.
Processing electrical elements. N. M. Brown, Jr., and C. A. Shank. 2,609,644, Sept. 9.
Processing filamentary materials, Method and apparatus for. L. A. Oberly. 2,584,043, Jan. 29.
Processing hay and the like. B. E. Getz. 2,592,270, Apr. 8.
Processing liquid hydrocarbons. W. W. Weinrich. 2,587,669–70, Mar. 4.
Processing machine. J. S. Baker. 2,585,213, Feb. 12.
Processing meat products. J. S. Forsyth. 2,613,151, Oct. 7.
Processing methyl cellulose and the products thereof. C. W. Abbott. 2,602,042, July 1.
Processing of cloth. P. F. Crosland. 2,621,982, Dec. 16.
Processing of grains for the production of alcohol. L. M. Christensen and L. A. Underkofler. 2,584,258, Feb. 5.
Processing of synthetic hydrocarbons. I. L. Malm. 2,593,159, Apr. 15.
Processing olives. R. N. Ball and E. V. Dellen. 2,582,371, Jan. 15.
Processing raw shrimp meat for market. J. H. Wills. 2,622,034, Dec. 16.
Processing rice for preserving the vitamin contents thereof. D. S. Fernandes. 2,592,407, Apr. 8.
Processing rubber. S. S. Prentiss. 2,582,278, Jan. 15.
Processing sulfur vulcanizable elastomer compounds. A. N. Gray. 2,615,204, Oct. 28.
Processing vulcanizable elastomer compounds. A. N. Gray. 2,615,205, Oct. 28.
Produce unwrapping device. W. A. S. Harmon. 2,586,223, Feb. 19.
Producing a compound fertilizer. H. Tramm. 2,611,691, Sept. 23.
Producing a corrosion resistant coating on steel. G. H. McIntyre and M. G. Ammon. Re. 23,540, Aug. 26.
Producing a decorative glass container. R. Habermaier. 2,607,707, Aug. 19.
Producing a gaseous motive fluid with pulverized fuel. W. Robinson and B. A. Landry. 2,616,252, Nov. 4.
Producing a plant food and plant stimulant, and utilization thereof. W. L. Owen and A. J. Isacks. 2,613,147, Oct. 7.
Producing a raster screen for a television picture tube. S. Pakswer. 2,606,822, Aug. 12.
Producing a soft, flexible, and resilient surface layer on bodies of a hard, nonresilient material and bodies produced thereby G. Doelter. 2,586,011, Feb. 19.
Producing a thermometer having a scale fired thereon. R. C. Wappner. 2,622,443, Dec. 23.
Producing alkoxynaphthoylalkanoic acids. R. R. Burtner. 2,623,065, Dec. 23.
Producing amides. E. T. Roe and D. Swern. 2,608,562, Aug. 26.
Producing an electroconductive article. R. F. Raymond and B. J. Dennison. 2,617,745, Nov. 11.
Producing an improved synthetic rubber from a multicomponent monomeric material. W. B. Reynolds and C. F. Fryling. 2,601,632, June 24.
Producing and utilizing control signals, Method and means for. D. G. C. Hare. 2,622,282, Dec. 23.
Producing antihalation photographic article. A. E. Van Dormael and L. A. Van der Auwera. Re. 23,478, Apr. 8.
Producing articles of glass. F. W. A. Kurz. 2,610,444, Sept. 16.
Producing bent bristle brushes. W. H. Howe and H. W. Reed. 2,621,080, Dec. 9.
Producing butter-horns. L. Stiles. 2,623,480, Dec. 30.
Producing calcium salts of sulfanilamides. S. L. Ruskin. 2,602,085, July 1.
Producing carbon black and valuable by-product gases. I. Williams. 2,623,811, Dec. 30.
Producing casein. P. C. Trexler. 2,618,629, Nov. 18.
Producing caustic solutions of high concentration, Process of and apparatus for. C. Deprez and A. Basilewsky. 2,610,908, Sept. 16.
Producing coatings on metal, Method and material for. R. C. Gibsen. 2,609,308, Sept. 2.

Producing consolidated insulation on high-voltage coils. J. C. Botts and H. M. Philofsky. 2,601,243, June 24.
Producing crack free hard facing metal coatings. G. F. Scherer. 2,584,161, Feb. 5.
Producing designs on building walls. J. Herck. 2,595,142, Apr. 29.
Producing di (alkyl glycolyl) esters of aliphatic dicarboxylic acids. 2,608,577, Aug. 26.
Producing dyed lustrous printed pattern effects using acid-curing resins and free leuco bases of vat dyes. G. A. Billingsley, Jr., and W. P. Hall. 2,592,852, Apr. 15.
Producing electroforms. W. H. Banks and P. B. Upton. 2,580,718, Jan. 1.
Producing embroideries, Means for. E. Gerber. 2,622,551, Dec. 23.
Producing essentially silicon-free hydrofluoric acid from hydrofluosilicic acid. E. A. Winter. 2,588,786, Mar. 11.
Producing ethylene oxide substantially free of acetaldehyde. P. P. McClellan. 2,615,901, Oct. 28.
Producing extractive materials from living trees. A. B. Anderson. 2,612,000, Sept. 30.
Producing ferric hydrate from aniline sludge. K. M. Nahas. 2,608,468, Aug. 26.
Producing fine fibers, Method and apparatus for. M. A. Chavannes and J. C. Elliott. 2,590,128, May 13.
Producing fine glass fibers, Method and apparatus for. C. J. Stalego. 2,607,075, Aug. 19.
Producing finely divided metals. H. Beller. 2,597,701, May 20.
Producing finely divided sulfur. S. C. Carney. 2,608,471, Aug. 26.
Producing finely divided sulfur. D. C. Railsback. 2,614,908, Oct. 21.
Producing flocked articles. W. R. Saks. 2,592,602, Apr. 15.
Producing gypsum plaster. G. A. Hoggatt. 2,616,789, Nov. 4.
Producing heat exchange elements. W. P. Hill. 2,586,653, Feb 19.
Producing helically wound containers. E. B. Robinson. 2,623,445, Dec. 30
Producing high dielectric high insulation ceramic plates. G. N. Howatt. 2,582,993, Jan. 22.
Producing hydrogel beads, Process and apparatus for. T. H. Milliken, Jr. 2,588,402, Mar. 11.
Producing insoluble coating from salts of carboxylic acids. J. Lolkema and P. J. A. Beersma. 2,622,997, Dec. 23.
Producing lather by centrifugal action of fluid over a soap cake surface. G. C. and A. O. Johnson. 2,611,640, Sept. 23.
Producing lightweight inorganic insulating material. C. C. Schuetz and C. R. Norman, Jr. 2,586,726, Feb. 19.
Producing linen-like effects on textiles. A. L. Lippert and W. P. Hall. 2,622,994, Dec. 23.
Producing lithium sulfate from lithium phosphates. F. H. May. 2,608,465, Aug. 26.
Producing metal articles with highly finished surfaces for coating. R. A. Whitbeck. 2,609,780, Sept. 9.
Producing mineral-coated paper. G. E. Niles. 2,583,274, Jan. 22.
Producing modified machine elements. M. W. Freeman. 2,614,948, Oct. 21.
Producing multilayer color negatives containing masking images for color correction purposes. H. C. Harsh and J. S. Friedman. 2,607,681, Aug. 19.
Producing multiple tone effect in cathode-ray tube indications. W. R. Boario and D. E. Oyster. 2,619,633, Nov. 25.
Producing oil by means of carbon dioxide. L. P. Whorton, E. R. Brownscombe, and A. B. Dyes. 2,623,596, Dec. 30.
Producing oil wells, Method and apparatus for. R. Spearow. 2,593,497, Apr. 22.
Producing organic mercurials. F. J. Sowa. 2,607,790, Aug. 19.
Producing oxygen. F. J. Jenny and E. G. Scheibel. Re. 23,463, Feb. 26.
Producing rocket powder. F. T. B. Bonell and R. Juhlin. 2,622,277, Dec. 23.
Producing sheet glass, Method and apparatus for. D. E. Sharp. 2,608,798, Sept. 2.
Producing sheets of indefinite length composed of slitted wood veneer and a flexible backing. A. Elmendorf. 2,593,863, Apr. 22.
Producing shoes. A. B. Murray. 2,617,130, Nov. 11.
Producing silver coatings, Method and composition for. M. S. Kantrowitz, E. J. Gosnell, and B. General. 2,602,757, July 8.
Producing small diameter glass beads, Method and apparatus for. R. H. Potters. 2,619,776, Dec. 2.
Producing staple fiber yarn, Method and apparatus for. H. Von Kohorn. 2,598,086, May 27.
Producing stiffened skin panel. A. L. Schoellerman. 2,582,358, Jan. 15.
Producing structural elements from web material. J. A. Grantham 2,619,444, Nov. 25.
Producing superior motor fuel. P. H. Johnson and G. J. Forseth. 2,608,524, Aug. 26.
Producing thiosemicarbazones. E. Goth and W. Salzer. 2,583,770, Jan. 29.
Producing threaded tube ends. A. W. Galbraith. 2,621,701, Dec. 16.
Producing thrust. H. T. Avery. 2,595,504, May 6.
Producing tubular and sheet metals. T. Sendzimir. 2,597,046, May 20.
Producing 2-substituted quinolines. J. W. Copenhaver. 2,608,557, Aug. 26.
Producing valve stems, Method and apparatus for. H. F. Stone and H. L. Gibson. 2,581,774, Jan. 8.
Producing valved or sleeved bags, Method of and apparatus for. H. E. Lee. Re. 23,486, Apr. 29.
Producing vapor trails, Method and apparatus for. H. D. Hutchinson. 2,591,157, Apr. 1.
Producing vitreous enamelled metal articles. R. A. Whitbeck. 2,609,594, Sept. 9.
Product of reacting an aryl mercuric salt, a lower aliphatic amine and either formamide or acetamide and disinfectant compositions comprising the same. C. N. Andersen. 2,619,446, Nov. 25.
Product of reaction of phosphorus sulfide, and hydrocarbon, with guanidine carbonate. M. W. Hill. 2,613,205, Oct. 7.
Product sterilizing apparatus and method. W. M. Martin. 2,607,698, Aug. 19.
Products for coating molds and ingot molds. H. J. Dunsan. 2,580,524, Jan. 1.
Products from catalytic cracking. W. J. Schmidt, Jr., and F. H. Blanding. 2,616,836, Nov. 4.
Products obtained from a polyethylene melamine. H. P. Wohnsiedler and E. L. Kropa. 2,582,613, Jan. 15.
Production and recovery of hydrogen peroxide. G. A. Cook. 2,614,907, Oct. 21.
Production and recovery of organic peroxides. A. E. Robertson and A. R. Jones. 2,605,290, July 29.
Production and refining of organic acids. O. D. Cunningham. 2,610,197, Sept. 9.
Production and separation of isomeric isopropylnaphthalenes. J. E. Nickels. 2,592,589, Apr. 15.
Production and utilization of control signals. W. C. Anderson. 2,595,220, May 6.
Production of a plastic material from shellac and resinols like bhilawan shell liquid or cashew shell liquid suitable for making moulding powders, coating compositions, adhesives or the like. S. Siddiqui, K. K. Sarin, and J. P. Varma. 2,591,623, Apr. 1.
Production of adjunct to feedstuffs. L. Potishman. 2,611,702, Sept. 23.
Production of copper powder having an average particle size of two microns. L. D. Supiro. 2,585,185, Feb. 12.
Production of polymeric compounds from anhydrocarboxy-alpha-amino-carboxylic acids in nitrobenzene. W. E. Hanby, S. G. Waley, and J. Watson. 2,598,372, May 27.
Professional comb and scale, Combined. C. Claps. 2,622,603, Dec. 23.
Profile grinding or polishing machine. F. T. Dyer and R. H. Revett. 2,585,376, Feb. 12.
Program and communication system for drive-in theaters or restaurants. E. B. Brady. 2,598,343, May 27.
Program controller, Electronic. G. B. Bailey. 2,594,716, Apr. 29.
Program-scheduling apparatus. H. F. Elliott. 2,611,430, Sept. 23.
Program selector switch. D. F. Illian. 2,619,557, Nov. 25.
Progressive classifying or treating solids in a fluidized bed thereof. V. Harms. 2,586,818, Feb. 26.
Progressive dielectric heating. R. A. Nielsen. 2,590,562, Mar. 25.
Progressive liquid apparatus. J. A. Fitzgibbons. 2,604,899, July 29.
Progressive tool and improved method of progressively forming articles from strip stock or the like. A. J. West. 2,591,483, Apr. 1.
Projectile. E. W. Brandt. 2,613,605, Oct. 14.
Projectile. R. O. Frantik. 2,616,372, Nov. 4.
Projectile. J. R. Jasse. 2,623,465, Dec. 30.
Projectile. J. D. Lucero. 2,623,748, Dec. 30.
Projectile. B. F. Schmidt. 2,612,108, Sept. 30.
Projectile booster. R. A. Pyle. 2,613,604, Oct. 14.
Projectile hoist, Reversible ratchet type. G. A. Chadwick and P. H. Girouard. 2,591,673, Apr. 8.
Projectile radio location system. H. G. Busignies. 2,586,783, Feb. 26.
Projectile velocity measuring apparatus. R. J. Peterson. 2,622,678, Dec. 23.
Projecting kaleidoscopic designing machine. C. F. J. Des Moineaux. 2,604,812, July 29.
Projection and rewinding system for motion-picture projectors. L. H. Moomaw. 2,604,271, July 22.
Projection apparatus. J. D. Reardon and L. J. Peters. 2,596,917, May 13.
Projection apparatus for inspecting timepiece jewels. A. Mottu. 2,600,906, June 17.
Projection apparatus with optical compensator for multiple objects. R. E. Wilson. 2,584,075, Jan. 29.
Projection lamp illumination system for lenticulated film. E. Gretener. 2,604,813, July 29.
Projection lens-system corrected for spherical, chromatic, comatic, astigmatic, and distortional aberrations. H. Tiller and H. Schulz. 2,603,127, July 15.
Projection light source and light beam modifier combination. C. A. Hahn. 2,604,005, July 22.
Projection optical measuring device for machine tools. F. W. Turrettini. 2,581,823, Jan. 8.
Projection printer. L. Pavelle. 2,581,136, Jan. 1.

Projection printer. L. Pavelle. 2,616,331, Nov. 4.
Projection screen. B. E. Lubonhez. 2,618,198, Nov. 18.
Projection, slide file. A. J. McMaster. 2,608,193, Aug. 26.
Projector and target game. J. J. Di Meo. 2,594,745, Apr. 29.
Projector, Automatic slide. G. S. Brenchley and S. Gorwitz. 2,584,421, Feb. 5.
Projector, Contour. A. R. Fultz. 2,592,264, Apr. 8.
Projector, Light. H. E. Smith. 2,592,075, Apr. 8.
Projector, Magazine type slide. R. A. Hartley. 2,594,162, Apr. 22.
Projector, Multislide automatic turntable. F. J. Perillo. 2,609,726, Sept. 9.
Projector, Spring actuated disk. M. Huber. 2,596,557, May 13.
Projector with light hood, Opaque. H. G. Fitz Gerald. 2,596,394, May 13.
Projector with rotatable picture drum and magnetic braking means. D. W. Brightwell. 2,580,530, Mar. 18.
Promoting cracking reactions of hydrocarbons by the addition of organic peroxides. R. T. Bell. 2,581,163, Jan. 1.
Promoting endothermic reactions at elevated temperatures. W. W. Odell. 2,602,019, July 1.
Promotion of dithionate ion formation in leaching oxidic manganese ores with sulfur dioxide solutions. W. F. Wyman. 2,600,456, June 17.
Promptly detecting chlorine gas leaks from chlorine containers, Process and apparatus for. C. Sundstrom. 2,606,101, Aug. 5.
Prone body hoist. G. J. Hawkins. 2,603,851, July 22.
Pronged plug with rotatable core having cord insulation and conductor anchorage means. W. H. Cook. 2,618,679, Nov. 18.
Proof press. F. Barney. 2,592,379, Apr. 8.
Proofer warming and humidifying unit. W. J. Pittendreigh. 2,621,650, Dec. 16.
Prop attachment for ladders. J. A. Burke. 2,592,006, Apr. 8.
Prop-withdrawing apparatus for use in mines. J. B. Mavor. 2,597,807, May 20.
Propane-clay treating. L. A. Hays, Jr., and R. B. Selund. 2,586,947, Feb. 26.
Propane decolorizing. R. I. Brabets. 2,596,065, May 6.
Propane dewaxing chilling procedure. K. H. Wanderer, L. A. Hays, Jr., and R. B. Selund. 2,614,065, Oct. 14.
Propane fractionation of lubricating oil stocks. W. N. Axe and A. N. De Vault. 2,623,005, Dec. 23.
Propane fractionation of lubricating oil stocks. R. K. Simms. 2,603,587, July 15.
Propane fractionation of reduced crude oil with recycle of heavier bottoms. B. C. Benedict. 2,606,859, Aug. 12.
Propellent injection system for rocket motors. F. R. Halford, A. V. Cleaver, and E. B. Dove. 2,601,607, June 24.
Propellent injection system with safety valve to cutoff fluid pressure supply. F. B. Halford, A. V. Cleaver, and E. B. Dove. 2,612,019, Sept. 30.
Propellent insecticide comprising o-cyclohexylcyclohexenone, pyrethrins and piperonyl butoxide. J. B. Dickey and H. W. Coover, Jr. 2,614,961, Oct. 21.
Propeller. O. A. Wirkkala. 2,599,598, June 10.
Propeller and diffuser inlet assembly, Combination. H. H. Curry. 2,620,122, Dec. 2.
Propeller and spinner construction. R. N. Wallace. 2,592,214, Apr. 8.
Propeller anemometer. H. C. Sontag, F. Cordero and S. H. J. Womack. 2,608,859, Sept. 2.
Propeller blade. G. L. Dakin. 2,582,107, Jan. 8.
Propeller blade. G. T. Lampton and E. Martin. 2,620,885, Dec. 9.
Propeller blade preloading and fluid transfer mechanism. E. M. Frankland. 2,623,601, Dec. 30.
Propeller blade, Reversible. H. K. Monroe. 2,609,055, Sept. 2.
Propeller blade stress distributing means. C. M. Kearns, Jr. 2,623,599, Dec. 30.
Propeller control. E. Martin. 2,619,182, Nov. 25.
Propeller cuff, Adjustable. F. V. H. Judd. 2,580,789, Jan. 1.
Propeller fan blade retaining construction. W. E. Morrison. 2,581,872, Jan. 8.
Propeller fan construction. C. I. Place. 2,609,058, Sept. 2.
Propeller feathering control. R. A. Engelhardt, W. L. Kershaw, and R. W. Schroeder. 2,595,345, May 6.
Propeller feathering control switch. R. W. Schroeder, C. E. Loughney, Jr., and R. A. Engelhardt. 2,602,517, July 8.
Propeller guard. J. De Beurs. 2,617,379, Nov. 11.
Propeller having adjustable blades. C. Kapsenberg. 2,612,961, Oct. 7.
Propeller, Laminated. M. M. Munk. 2,599,718, June 10.
Propeller pitch and engine speed control device, Combined. J. E. Engiesson. 2,588,371, Mar. 11.
Propeller pitch control. J. F. Haines. 2,583,172, Jan. 22.
Propeller pitch control apparatus. C. L. Muzzey. 2,590,199, Mar. 25.
Propeller regulator assembly. W. J. Blanchard, J. F. Haines, T. B. Martin, and C. S. J. MacNeil. 2,612,959, Oct. 7.
Propeller reversing throttle. A. T. Holt. 2,594,927, Apr. 29.
Propeller thrust coordinating mechanism. G. F. Schneider. 2,585,502, Feb. 12.
Propelling a vehicle using normally gaseous fuel as a liquid. R. Anxionnaz and M. H. L. Sédille. 2,602,289, July 8.
Propelling and steering mechanism. B. I. Billman and P. Slack. 2,612,859, Oct. 7.
Propelling and steering mechanism for boats, Combined. D. F. Sherman. 2,589,300, Mar. 18.
Propelling heavier-than-air devices powered by fuel-burning prime movers. J. A. Hannum. 2,590,009, Mar. 18.
Prophylactic composition for scours. K. P. Link. 2,607,716, Aug. 19.
Prophylactics. F. Lönne. 2,586,674, Feb. 19.
Proportional counter. C. J. Borkowski and E. Fairstein. 2,590,925, Apr. 1.
Proportional feed system. R. T. Sheen. 2,596,943, May 13.
Proportioner resetting mechanism. G. J. Klopfenstein. 2,593,894, Apr. 22.
Proportioning and feeding apparatus. W. P. Thurber and J. I. Montel. 2,594,519, Apr. 29.
Proportioning distributor for mineral pulp or the like. S. D. Michaelson and W. S. Springer. 2,610,646, Sept. 16.
Proportioning pump. R. V. Burt. 2,600,477, June 17.
Proportioning the constituents of materials, Method of and apparatus for. W. E. Saxe. 2,587,531, Feb. 26.
Propulsion power plant. G. Pielstick. 2,602,901, July 8.
Propulsion wheel. R. H. Knipping. 2,612,957, Oct. 7.
Propulsive means for vertical rising aircraft. N. C. Price. 2,610,005, Sept. 9.
Propylamine type antihistamines. N. Sperber, D. Papa, and E. Schwenk. 2,604,473, July 22.
Propylene glycol solution of arsenic medicaments. E. A. H. Friedheim. 2,593,434, Apr. 22.
Prospecting using gamma ray detection. A. H. Lord, Jr., and E. Pancake. 2,617,945, Nov. 11.
Prosthetic device. E. M. Burger and R. E. De Puy. 2,605,475, Aug. 5.
Prosthetic device. C. J. Noelle. 2,617,994, Nov. 18.
Prosthetic hand. J. E. Conzelman, Jr., H. B. Ellis, and C. W. O'Brien. 2,582,234, Jan. 15.
Protected cooler. R. W. Jensen. 2,610,831, Sept. 16.
Protected time delay power supply system. R. C. Webb. 2,619,525, Nov. 25.
Protecting color chart in determination of chromate concentrations. L. E. Odell. 2,605,164, July 29.
Protecting fatty and phosphorous lipoidic food products, particularly milk and dairy products, margarine and the like, against getting unpleasant taste or flavor. C. G. E. Sjöström and Å. V. Larsson. 2,609,297, Sept. 2.
Protecting kinescope screens. W. J. Stoize. 2,607,018, Aug. 12.
Protecting hydraulic pressure responsive devices from the effects of fluid shock. V. W. Peterson and O. J. Maha. 2,612,756, Oct. 7.
Protecting means for use in connection with windows. C. J. Roos. 2,622,285, Dec. 23.
Protecting metals against corrosion. J. M. Michel and K. F. Hager. 2,602,760, July 8.
Protecting shield. D. L. Craddock. 2,591,783, Apr. 8.
Protecting system for photoelectric cells in liquid fuel burner controls. G. Babicz. 2,592,847, Apr. 15.
Protecting trees during transplanting. W. H. Welch, Jr. 2,616,220, Nov. 4.
Protecting well casing from damage by strata or other earth slippage. J. G. Jackson. 2,619,323, Nov. 25.
Protecting windows against superficial damage. H. H. Hutchinson. 2,592,805, Apr. 15.
Protection apparatus for fluid pressure brakes. E. G. Erson. 2,594,546, Apr. 29.
Protection for looms. D. W. Howe, Jr. and V. F. Sepavich. 2,586,335, Feb. 19.
Protection means for fluid pressure systems. E. E. Hewitt. 2,604,900, July 29.
Protection of cellulose fiber against heat aging. A. C. Danielson. 2,616,822, Nov. 4.
Protection of hydraulic power presses. S. M. Weisberg. 2,588,066, Mar. 4.
Protection of metallic objects by galvanic action. H. M. Freud. 2,605,217, July 29.
Protection of phosphors from attack by alkali vapors. J. W. Coltman and R. L. Longini. 2,586,304, Feb. 19.
Protection of static current converter installations. U. Lamm. 2,585,796, Feb. 12.
Protection of structures from noxious atmospheres. J. De Ment. 2,595,774, May 6.
Protective apparatus for bearings. P. Moller. 2,605,859, Aug. 5.
Protective apparatus for bearings. P. Moller. 2,606,081, Aug. 5.
Protective arrangement for electrical apparatus operating in an insulating liquid. A. Bräm. 2,616,443, Nov. 4.
Protective arrangement for single phase motors. W. J. and H. E. Turnupseed. 2,610,313, Sept. 9.
Protective cap mold. A. L. Cruise. 2,581,837, Jan. 8.
Protective closure. J. R. Grenier and E. W. Dormeyer, Jr. 2,580,762, Jan. 1.
Protective coating. E. F. Carlston and L. R. Whiting. 2,592,655, Apr. 15.
Protective coating for motion-picture films. R. H. Redfield. 2,608,127, Aug. 26.

Protective collar for drill pipes. H. E. Marsh. 2,606,792, Aug. 12.
Protective composition for metal surfaces. H. L. Vogl and A. M. Stieber. 2,580,488, Jan. 1.
Protective composition for razor blades. L. Christian, Jr. 2,605,189, July 29.
Protective cover for automobile storage batteries. R. C. Hall and R. E. Mock. 2,614,598, Oct. 21.
Protective cover for frangible disks. M. L. Poust. 2,598,192, May 27.
Protective covering. W. H. Wynne, Jr. 2,599,083, June 3.
Protective covering for oil tanks. G. C. Bull. 2,583,321, Jan. 22.
Protective covering of mutilations in beef carcasses. W. R. Sullivan and P. J. Cleary. 2,582,296, Jan. 15.
Protective device. H. P. Baumann. 2,601,426, June 24.
Protective device. N. C. Beese and D. S. Gustin. 2,620,453, Dec. 2.
Protective device. L. R. W. Kelsay. 2,600,407, June 17.
Protective device. R. Malcom, Jr. 2,606,321, Aug. 12.
Protective device. E. B. Whitehead. 2,604,256, July 22.
Protective device for bumpers and bumper guards. F. E. Robert. 2,608,430, Aug. 26.
Protective device for lubricant fittings. A. E. Miller. 2,599,472, June 3.
Protective device for remote-control systems. J. F. Griffin. 2,589,371, Mar. 18.
Protective device for sorting machines. H. P. Mixer. 2,605,102, July 29.
Protective device for trousers. O. B. Lawrence. 2,607,920, Aug. 26.
Protective fire resistant covering for mattresses. R. J. Taylor. 2,610,338, Sept. 16.
Protective groove dictating apparatus. E. P. Johnson and F. E. Runge. 2,584,464, Feb. 5.
Protective hat container. J. D. Noble. 2,585,700, Feb. 19.
Protective jacket for paint brushes. M. Soss. 2,602,947, July 15.
Protective means for electricity storage battery cases. J. Masterton. 2,601,043, June 17.
Protective means to prevent double exposure of film magazines. A. D. Hooks. 2,585,246, Feb. 12.
Protective mechanism for rotating machinery. G. W. Grisdale, Jr. 2,597,635, May 20.
Protective net attachment for crib beds. N. C. Le Roy. 2,608,696, Sept. 2.
Protective overlay sheets and preparing same. D. G. Patterson and W. F. Turner. 2,605,205, July 29.
Protective relay for transmission systems. R. J. Wensley. 2,595,032, Apr. 29.
Protective relay system. L. M. Applegate and L. R. Spaulding. 2,602,841, July 8.
Protective relaying system. H. W. Lensner. 2,586,353, Feb. 19.
Protective sheath for cows' teats. F. E. Brown and P. Martin. 2,604,092, July 22.
Protective signal device for automobiles. A. Azano. 2,613,258, Oct. 7.
Protective sock with tubular marginal air enclosure having valve means. D. T. Mowbray. 2,582,648, Jan. 15.
Protective system. E. H. Yonkers. 2,600,149, June 10.
Protective system for electrical apparatus connected with polyphase networks. W. J. and H. E. Turnupseed. 2,609,425, Sept. 2.
Protective system for electronic frequency changers. A. J. Hansen. 2,587,151, Feb. 26.
Protective system for series capacitors. F. D. Johnson. 2,584,710, Feb. 5.
Protective tip for concrete vibrators. H. E. McCrery. 2,603,459, July 15.
Protector: *See*—
Batten cleat protector.
Billfold protector.
Body protector.
Car protector.
Check protector.
Conductor protector.
Corsage protector.
Diaper protector.
Ear protector.
Gun muzzle protector.
Mattress protector.
Molding protector.
Plant protector.
Sanitary napkin protector.
Sanitary test cup protector.
Scalp protector.
Shoe protector.
Tendon protector.
Toothbrush protector.
Transparent watch protector.
Venetian blind protector.
Window glass protector.
Wrist watch protector.
Protector attachment for soda fountain mixers. W. T. Gafford. 2,587,135, Feb. 26.
Protector for bedridden patients, Sanitary. M. E. C. Faure. 2,583,553, Jan. 29.
Protector for car door locks, Luminous. H. P. Schwartz. 2,617,290, Nov. 11.
Protector for fishhooks. J. Brankus. 2,623,321, Dec. 30.
Protector for gas cylinder valves. J. V. Cammarato. 2,593,533, Apr. 22.
Protector for paint brushes, Paperboard. W. A. Ringler. 2,609,920, Sept. 9.
Protector for shipping cut flowers. G. Teufel. 2,602,543, July 8.
Protector for the lips and teeth. O. S. Miller. 2,589,504, Mar. 18.
Protector for upholstery trim beads. M. N. Whitaker. 2,602,203, July 8.
Protector mechanism for double shuttle looms. E. L. Roullard. 2,583,344, Jan. 22.
Protector pad and armrest for automobile windows. D. Ortleb. 2,601,052, June 17.
Protein adhesive composition. C. C. Heritage. 2,595,257, May 6.
Protein adhesives containing dicyandiamide compounds as fluidizing agents. C. G. Landes and J. Studeny. 2,581,111, Jan. 1.
Protein adhesives containing dicyanimide compounds as fluidizing agents. C. G. Landes and J. Studeny. 2,581,112, Jan. 1.
Protein adhesives containing dicyanoguanidine compounds as fluidizing agents. C. G. Landes and J. Studeny. 2,581,113, Jan. 1.
Protein hydrolysates, Manufacture of. M. J. Blish. 2,598,341, May 27.
Protein plastics from fish protein, Producing. J. Ugelstad. 2,602,031, July 1.
Protractor. G. A. Almorth. 2,614,329, Oct. 21.
Protractor. P. F. Boehm. 2,622,326, Dec. 23.
Protractor. G. B. Marsden. 2,594,574, Apr. 29.
Protractor. W. D. Webber. 2,602,228, July 8.
Protractor, Dividing. M. Rabatine. 2,611,971, Sept. 30.
Protractor, Sine. R. A. Mull. 2,609,612, Sept. 9.
Protractor tool guide, Universally adjustable. J. J. Falls. 2,623,337, Dec. 30.
Providing a thin coherent layer to a rough surface in a vessel. J. de Gier and J. Peper. 2,616,816, Nov. 4.
Providing a watertight connection between boots and trousers. L. E. E. Gossner. 2,603,888, July 22.
Providing an object with wheels and axles. J. C. Ramey. 2,598,831, June 3.
Providing magnetic sheet steel with an insulative film. W. Morrill. 2,591,460, Apr. 1.
Providing timepieces with spiral-helix hairsprings. L. R. Burghoff. 2,584,786, Feb. 5.
Pruning and cultivating implement. W. A. Sloper. 2,619,891, Dec. 2.
Pruning and picking platform implement. H. A. Brock. 2,606,078, Aug. 5.
Pruning saw jointer. W. W. Brown. 2,582,101, Jan. 8.
Pry type cup lifter. P. Palmer. 2,581,875, Jan. 8.
Pseudohybrid microwave filter. W. D. Lewis and J. R. Pierce. 2,617,881, Nov. 11.
Psychrometer. R. M. Braun. 2,614,428, Oct. 21.
Pteridine derivatives, Preparing. A. A. Goldman and C. W. Waller. 2,615,890, Oct. 28.
Pteridine perbromides and preparing the same. A. A. Goldman and C. W. Waller. 2,615,891, Oct. 28.
Pteridines, Preparation of substituted. D. B. Cosulich. 2,599,526, June 10.
Pterins and production of the same. M. E. Hultquist and J. M. Smith, Jr. 2,595,196, Apr. 29.
Pteroic acids and preparing same. C. W. Waller and J. H. Mowat. 2,598,667, June 3.
Puck obstructing device for shuffleboard games. M. P. Wolverton. 2,593,641, Apr. 22.
Pudding compositions. M. H. Kennedy and M. P. Castagna. 2,607,692, Aug. 19.
Puffing cereal grains. C. F. Haughey and R. T. Erickson. 2,622,985, Dec. 23.
Pull actuated trap hook. G. M. Buchner. 2,589,533, Mar. 18.
Pull-operated switch. G. B. Benander. 2,606,258, Aug. 5.
Pull-out measuring tape dispenser. E. E. Sharpe. 2,617,198, Nov. 11.
Pull-out mechanism. J. Leszak and H. F. Zimmerman. 2,583,859, Jan. 29.
Pull rod carrier. W. E. Perkins. 2,606,794, Aug. 12. Aug. 26.
Pull rod carrier. A. M. Rossman. 2,614,005, Oct. 14.
Puller: *See*—
Bushing puller.
Cylinder sleeve puller.
Fish tape puller.
Key puller.
Last puller.
Motor puller.
Reversible pipe puller.
Stake puller.
Stitch puller.
Tree puller.
Twin bushing puller.
Valve seat puller.
Puller device. E. E. Robins and H. F. Parker. 2,608,107,
Pulling tool. E. E. Harrison. 2,592,420, Apr. 8.
Pulley. E. E. Maurey. 2,618,495, Nov. 18.
Pulley. E. D. Meadows and R. K. Whitehead. 2,620,675, Dec. 9.
Pulley and clutch mechanism. P. F. Koch. 2,594,450, Apr. 29.
Pulley, Extensible. E. E. J. Galsset. 2,603,978, July 22.
Pulley structure for belt conveyers. R. A. Holst. 2,603,099, July 15.
Pulley winch. K. F. Morgan. 2,623,732, Dec. 30.
Pulp molding die. W. H. Randall. 2,600,265, June 10.
Pulp molding die. E. L. Shepard. 2,585,049, Feb. 12.
Pulp purification. L. S. Keyser and R. E. Brown. 2,621,124, Dec. 9.
Pulp screen flow pipe. E. S. Anderson and A. B. Haley. 2,584,247, Feb. 5.
Pulp testing device. J. F. Campbell and T. M. Shirley. 2,602,325, July 8.
Pulper for paper stock. W. K. Kolb and S. W. Pollock. 2,617,334, Nov. 11.
Pulping lignocellulose with sodium aluminate. J. H. Fisher and B. R. Mead. 2,601,110, June 17.
Pulping process. J. B. M. Michon. 2,582,054, Jan. 8.
Pulping wood with sodium carbonate-lime solution. H. Miller. 2,599,571, June 10.

Pulsating hydrocarbon conversion. L. P. Evans. 2,603,591, July 15.
Pulsation dampener. D. Ragland. 2,583,231, Jan. 22.
Pulsator washer with vacuum drying. H. J. Rand. 2,584,291, Feb. 5.
Pulse amplitude discriminator circuit. C. H. Hoeppner. 2,622,151, Dec. 16.
Pulse amplitude modulation communication system. A. C. Kowalski. 2,589,617, Mar. 18.
Pulse analyzer. E. M. Williams and E. V. Cousy. 2,592,631, Apr. 15.
Pulse analyzing method and system. J. I. Heller. 2,608,652, Aug. 26.
Pulse code modulation communication system. R. L. Carbrey. 2,610,295, Sept. 9.
Pulse code modulation system. A. Lesti. 2,621,323, Dec. 9.
Pulse code translator. A. Lesti. 2,609,529, Sept. 2.
Pulse communication system. J. A. Krumhansl and G. H. Miller. 2,619,632, Nov. 25.
Pulse commutating ring counter circuit. R. B. Trousdale. 2,617,931, Nov. 11.
Pulse conversion system. H. J. Michael and W. Whitney. 2,596,584, May 13.
Pulse counter circuit. B. Trevor. 2,592,493, Apr. 8.
Pulse counting and registering circuits. F. K. Low. 2,623,114, Dec. 23.
Pulse counting and registration system. A. E. Bachelet and F. K. Low. 2,609,498, Sept. 2.
Pulse counting circuit. F. Westerveld. 2,616,958, Nov. 4.
Pulse delay circuit. J. E. Ranks. 2,612,605, Sept. 30.
Pulse delay circuits. L. W. Ballard. 2,600,185, June 10.
Pulse delay communication system. E. M. Deloraine. 2,584,987, Feb. 12.
Pulse demodulator system. A. M. Levine. 2,604,592, July 22.
Pulse discriminator circuit. C. L. Longmire and I. H. Sudman. 2,589,833, Mar. 18.
Pulse echo distance and direction finding. F. W. Dunmore. 2,582,971, Jan. 22.
Pulse echo distance indicator. B. M. Oliver. 2,591,856, Apr. 8.
Pulse-echo identifying system. F. C. Williams. 2,592,777, Apr. 15.
Pulse echo ranging cathode-ray tube sweep system. R. M. Page. 2,590,884, Apr. 1.
Pulse-echo tracking system. R. H. Rines. 2,612,637, Sept. 30.
Pulse energized gas tube circuit. E. O. Johnson. 2,591,824, Apr. 8.
Pulse energized gas tube circuits. L. Malter. 2,619,593, Nov 25.
Pulse forming circuit. J. J. Lentz. 2,605,405, July 29.
Pulse-forming circuit. J. C. Street. 2,608,654, Aug. 26.
Pulse forming network. W. R. Aiken. 2,587,426, Feb. 26.
Pulse generating circuits. E. P. Carter and C. M. Hammel. 2,591,406, Apr. 1.
Pulse generator. W. P. Boothroyd. 2,616,047, Oct. 28.
Pulse generator. D. J. Epstein. 2,588,098, Mar. 4.
Pulse generator. A. H. Fredrick. 2,605,422, July 29.
Pulse generator. G. F. Schrader. 2,605,449, July 29.
Pulse generator. G. E. Valley, Jr. 2,605,404, July 29.
Pulse generator. J. R. Wilkerson. 2,585,066, Feb. 12.
Pulse generator circuit. W. A. Higinbotham. 2,597,322, May 20.
Pulse group system of communications. C. E. Cleeton. 2,591,677, Apr. 8.
Pulse jet heater with automatic starting and control system therefor. W. F. Krautter, K. Staiger, and W. I. E. Kamm. 2,621,718, Dec. 16.
Pulse jet mount. W. L. Tenney and C. B. Marks. 2,612,748, Oct. 7.
Pulse jet thrust engine. L. E. Black, C. B. Marks, and W. L. Tenney. 2,587,100, Feb. 26.
Pulse length discriminator. L. H. Orpin. 2,589,851, Mar. 18.
Pulse modulating system. J. Boisvieux and J. Chaumeron. 2,614,247, Oct. 14.
Pulse modulation system. L. A. Meacham. 2,600,561, June 17.
Pulse modulator circuit. J. W. Marchetti. 2,597,013, May 20.
Pulse multiplex communication system. C. J. H. A. Staal. 2,616,977, Nov. 4.
Pulse multiplex transmission system. A. M. Levine. 2,607,035, Aug. 12.
Pulse narrowing circuit. G. D. Forbes. 2,605,409, July 29.
Pulse operated gaseous electron tube circuits. I. Wolff. 2,611,090, Sept. 16.
Pulse position call or dial receiver. H. E. Vaughan. 2,603,715, July 15.
Pulse position dial receiver employing pulse superposition for identifying digits. W. A. Malthaner, N. D. Newby, and H. E. Vaughan. 2,615,971, Oct. 28.
Pulse repeater. M. E. Mohr. 2,585,571, Feb. 12.
Pulse shaping circuit. L. J. Libois. 2,587,741, Mar. 4.
Pulse-signal translating arrangement. J. T. Yates and I. N. Vaughan-Jones. 2,597,833, May 20.
Pulse signaling means. R. Sueur. 2,580,973, Jan. 1.
Pulse system. J. H. Cook. 2,596,984, May 20.
Pulse-time demodulator. T. Douma. 2,617,027, Nov. 4.
Pulse-time discriminator. A. W. Friend. 2,605,410, July 29.
Pulse time position finding system. J. L. Allison. 2,584,971, Feb. 12.
Pulse transmitter synchronizing system. G. H. Musselman. 2,612,601, Sept. 30.
Pulse transponder. H. J. Lipkin. 2,606,282, Aug. 5.
Pulse width discriminator. C. H. Hoeppner. 2,582,251, Jan. 15.
Pulse width discriminator circuit. G. B. Guthrie, Jr. 2,609,501, Sept. 2.
Pulse width discriminator circuit. C. L. Longmire. 2,585,803, Feb. 12.
Pulse width separation filter. K. Schlesinger. 2,615,978, Oct. 28.
Pulsed radio signaling. E. S. Purington. 2,614,210, Oct. 14.
Pulsing circuit. J. W. Dehn and W. H. T. Holden. 2,590,514, Mar. 25.
Pulsing circuit. E. W. Houghton. 2,588,240, Mar. 4.
Pulverent asphaltic composition. H. B. Pullar. 2,584,919, Feb. 5.
Pulverizer, Impact. G. M. Croft. 2,612,320, Sept. 30.
Pulverizing and classifying machine. P. D'Aragon. 2,609,151, Sept. 2.
Pulverizing blade cluster. F. D. Larson. 2,607,538, Aug. 19.
Pump: *See*—
Adjustable stroke dispensing pump.
Adjustable stroke syrup pump.
Air pump.
Bellows pump.
Blade driven rotary pump.
Candy dispensing toy pump.
Centrifugal pump.
Compressor pump.
Constant delivery pump.
Constant volume variable speed driven vane pump.
Diaphragm pump.
Differential bellows pump.
Double rotary jet pump.
Dual discharge pump.
Duplex double-acting steam pump.
Electrical deepwell pump.
Electromagnetic pump.
Flat rotary pump.
Fluid actuated double-acting submersible pump.
Fluid pump.
Fuel injection pump.
Fuel pump.
Gas pressure operated oil well pump.
Gear pump.
Glass sampling pump.
Gravity buoyancy pump.
Heat actuated container mounted pump.
High-pressure pump.
High-vacuum pump.
Injection pump.
Jet booster pump.
Jet pump.
Liquid fuel injection pump.
Liquefied gas discharge pump.
Liquid measuring and dispensing pump.
Liquid piston gas pump.
Liquid pump.
Liquid sealed centrifugal pump.
Low capacity gear pump.
Lubricant pump.
Lubricating pump.
Metering fuel pump.
Milk pump.
Mixing pump.
Movable vane pump.
Multiple outlet lubricating pump.
Oilless pump.
Piston-type pump.
Pneumatic pump.
Pneumatically powered hydraulic pump.
Power-driven fluid pump.
Pressure compensated pump.
Proportioning pump.
Radial pump.
Reciprocating pump.
Reciprocating ram pump.
Refrigerator pump.
Reversible pump.
Rotary blade pump.
Rotary concrete pump.
Rotary oscillating piston pump.
Rotary pump.
Rotary turbine pump.
Screw pump.
Single acting pump.
Sirup measuring and dispensing pump.
Slipper pump.
Two-stage hydraulic pressure pump.
Universal combination fuel and vacuum pump.
Vacuum pump.
Valved piston well pump.
Vane pump.
Variable capacity rotary pump.
Variable delivery pump.
Variable delivery vane-type hydraulic pump.
Variable stroke pump.
Variable volume pump.
Pump. H. E. Adams. 2,581,828, Jan. 8.
Pump. A. W. Arnold. 2,599,600, June 10.
Pump. B. Beaman, J. Hulman and R. A. Stein. 2,608,158, Aug. 26.
Pump. M. J. Berlyn and C. H. Nystrom. 2,601,830, July 1.
Pump. F. E. Carlson. 2,621,606, Dec. 16.
Pump. H. D. Digney. 2,611,323, Sept. 23.
Pump. K. G. Drucker. 2,607,295, Aug. 19.
Pump. J. A. Glover and M. F. L. Johnson. 2,583,421, Jan. 22.
Pump. K. Henrichsen. 2,604,856, July 29.
Pump. C. F. Huber. 2,583,572, Jan. 29.
Pump. J. G. MacCormack. 2,585,949, Feb. 19.
Pump. C. Mark, Jr. 2,621,605, Dec. 16.
Pump. E. L. Midgette. 2,612,837, Oct. 7.
Pump. D. H. Reed. 2,595,540, May 6.
Pump. L. E. Russell. 2,605,958, Aug. 5.
Pump. M. B. Sennet. 2,588,888, Mar. 11.
Pump. E. B. Smith and L. D. Mowrey. 2,591,101, Apr. 1.
Pump. W. F. Strehlow and I. Kamlukin. 2,611,319, Sept. 23.
Pump. G. J. Trapp. 2,621,607, Dec. 16.
Pump. L. W. Wachter. 2,593,369, Apr. 15.
Pump. G. A. Wahlmark. 2,604,048, July 22.

Pump. G. A. Wahlmark. 2,611,318, Sept. 23.
Pump anchor. J. S. Page. 2,604,945, July 29.
Pump and compressor, Rotary. C. J. Wolff. 2,616,616, Nov. 4.
Pump and fan, Liquid cooling. W. B. Clifford. 2,580,517, Jan. 1.
Pump and motor. C. J. Delegard. 2,612,110, Sept. 30.
Pump and motor. C. S. and R. S. Prendergast, G. W. B. Dixey, and H. Gordon. 2,609,754, Sept. 9.
Pump and motor cylinder, Combined. J. J. Keough. 2,611,350, Sept. 23.
Pump and motor hydraulic system. S. B. McLeod. 2,596,682, Feb. 19.
Pump and motor hydraulic system and control valve therefor. W. E. Swenson and H. A. Halgren. 2,588,588, Mar. 11.
Pump and motor hydraulic system and electrical control circuits therefor. J. A. Ackermann. 2,611,246, Sept. 23.
Pump and motor hydraulic system and regulating apparatus therefor. W. F. Strehlow. 2,611,245, Sept. 23.
Pump and motor hydraulic system for use on tractors. J. M. Chambers. 2,592,393, Apr. 8.
Pump and motor hydraulic system, including multiple pumps. M. J. Taup. 2,618,932, Nov. 25.
Pump and motor hydraulic transmission system, Rotary. W. W. Benning. 2,599,450, June 3.
Pump and motor pneumohydraulic transmission system. K. T. Kiele. 2,598,177, May 27.
Pump and motor therefor. A. E. McFarland. 2,594,577, Apr. 29.
Pump and nozzle for internal-combustion engines, Fuel. W. V. Falcon. 2,585,100, Feb. 12.
Pump arrangement for water cooled engines, Auxiliary. G. Pielstick. 2,609,800, Sept. 9.
Pump assembly, Reciprocating. E. R. J. Kraft. 2,593,316, Apr. 15.
Pump barrel cleaning apparatus. F. Krizman and C. Jonette. 2,597,937, May 27.
Pump control for internal-combustion engines, Electric fuel. L. C. Parker. 2,609,809, Sept. 9.
Pump control mechanism for liquid dispensing apparatus of the predeterminer type. A. L. Grisé. 2,583,483, Jan. 22.
Pump counter, Measuring. V. A. Brunson. 2,601,950, July 1.
Pump for engines, Lubricating. M. F. Hill. 2,601,288, June 24.
Pump for internal-combustion engines, Fuel injection. Y. A. Grimod. 2,582,539, Jan. 15.
Pump for oil wells, Gas lift. G. R. Cole. 2,607,299, Aug. 19.
Pump for operating suction accessories and pressurizing fuel tanks of motor vehicles. E. C. Horton. 2,601,757, July 1.
Pump for shallow or deep wells, Horizontal jet type. W. J. Conery. 2,608,157, Aug. 26.
Pump for wells. G. Canon. 2,605,717, Aug. 5.
Pump impeller. M. H. Baker. 2,604,852, July 29.
Pump injector for oil engines. A. J. Morris. 2,589,505, Mar. 18.
Pump jack valve control mechanism. S. V. Smith. 2,612,142, Sept. 30.
Pump liner. G. W. Walton. 2,584,518, Feb. 5.
Pump lubrication. F. D. Lowther, Sr. 2,612,116, Sept. 30.
Pump mechanism. J. E. McEvoy. 2,607,525, Aug. 19.
Pump-motor hydraulic system, including multiple motors and their controls. J. Robinson. 2,585,348, Feb. 12.
Pump operating and control mechanism for stereotype plate casting machine. I. Tornberg and P. L. Tollison. 2,619,694, Dec. 2.
Pump or motor, Fluid. C. B. Hatfield. 2,584,582, Feb. 5.
Pump or motor, Rotary fluid. F. W. Taylor. 2,604,853, July 29.
Pump or motor, Vane type. P. Hartmann. 2,623,470–1, Dec. 30.
Pump piston, Rotary. D. O. Brant. 2,605,715, Aug. 5.
Pump rod connecting device. E. R. Thomas and H. L. Ayers. 2,618,173, Nov. 18.
Pump stroke adjusting device. E. H. Bradley. 2,592,237, Apr. 8.
Pump system, Heat. A. C. Homeyer. 2,597,729, May 20.
Pump testing apparatus. E. M. Greer. 2,612,777, Oct. 7.
Pump type dispenser with cartridge having flexible and rigid portions. J. R. Harrison, Jr. 2,608,320, Aug. 26.
Pump unit. R. R. Witherell. 2,606,498, Aug. 12.
Pump unit, Fluid. H. G. Mueller. 2,607,296, Aug. 19.
Pump valve. A. R. Maier. 2,613,054, Oct. 7.
Pump valve. F. R. Spinney. 2,603,452, July 15.
Pump valve construction for compressors, Rotary. S. Bousky. 2,598,216, May 27.
Pump with fluid container for lavatory, Rotary. H. C. Brannam. 2,607,043, Aug. 19.
Pump with radial inlet and outlet, Rotary. A. Wahle. 2,611,322, Sept. 23.
Pumping apparatus. J. W. Houston. 2,605,957, Aug. 5.
Pumping apparatus. C. W. Laubin. 2,595,861, May 6.
Pumping a volatile liquid, Method and apparatus for. W. F. Mesinger. 2,598,816, June 3.
Pumping apparatus. W. J. Conery. 2,615,397, Oct. 28.
Pumping apparatus. L. W. O'Kelley. 2,614,496, Oct. 21.
Pumping jack. S. C. Kyle. 2,582,836, Jan. 15.
Pumping mechanism. S. Haugdahl. 2,618,224, Nov. 18.
Pumping mechanism. R. D. Wortendyke. 2,622,537, Dec. 23.
Pumping mechanism for centralized lubricating systems. H. R. Tear. 2,585,189, Feb. 12.
Pumping of fluids under high pressures. A. Ivanoff. 2,598,547 May 27.
Pumping system. W. R. Eames. 2,599,701, June 10.
Pumping system. C. C. Hudson. 2,596,151, May 13.
Pumping system and storage tank. S. M. White. 2,594,833, Apr. 29.
Pumping system for producing from overlying reservoirs, Hydraulic. L. F. Davis, H. N. Stansbury, Jr., and M. O. Crumbaker. 2,605,712, Aug. 5.
Pumping technique to prevent excessive water coning. W. D. Rose. 2,607,426, Aug. 19.
Pumping-type flotation apparatus. A. C. Daman. 2,612,358, Sept. 30.
Pumping unit. J. R Albright. 2,612,113, Sept. 30.
Pumping unit, Oil burner. R. R. Witherell. 2,606,497, Aug. 12.
Pumping volatile liquids, Method and apparatus for. T. N. Dalton. 2,609,668, Sept. 9.
Punch. F. J. Furman. 2,580,756, Jan. 1.
Punch. W. F. Kelley. 2,604,944, July 29.
Punch. W. Parker. 2,587,516, Feb. 26.
Punch and cutter, Combined. I. and M. S. Rabinowitz. 2,588,043, Mar. 4.
Punch and die set. J. W. Barnett. 2,584,415, Feb. 5.
Punch and pencil device, Combined. S. B. Wimberly and D. R. Self. 2,613,745, Oct. 14.
Punch core orienter for wells. M. L. Natland and R. E. Pearson. 2,600,125, June 10.
Punch element and making same. J. F. Kopczynski. 2,604,742, July 29.
Punch for forming holes in cans. J. F. Phillips. 2,584,047, Jan. 29.
Punch for opening cans. R. Bergeron. 2,620,558, Dec. 9.
Punch for printing apparatus. H. H. Hillmer and H. P. Orent. 2,613,744, Oct. 14.
Punch plier for eyeglass frames. J. J. Greco. 2,615,356, Oct. 28.
Punch plug receptacle for hand punches. R. A. Lorenzen. 2,590,084, Apr. 1.
Punch press. J. Verson and N. Kassnel. 2,587,076, Feb 26.
Punch retainer with lock. J. F. Kopczynski. 2,590,548, Mar. 25.
Punch-retaining assembly. O. Mueller. 2,616,712, Nov. 4.
Punch type container opener with handle extension. C. W. Heinle and W. J. Dobbins, 3rd. 2,622,318, Dec. 23.
Punch type core barrel. B. W. Sewell. 2,623,733, Dec. 30.
Punched card and embossed printing plate, Combination. A. M. Ross. 2,622,526, Dec. 23.
Punching and applying apparatus. A. Fermanian, G. W. Soderman, and W. J. Workman. 2,593,286, Apr. 15.
Punching and reinforcing device. B. Hirszson and J. A. Paparelli. 2,583,944, Jan. 29.
Punching apparatus. O. W. Anderson. 2,585,720, Feb. 12.
Punching apparatus. C. J. Hueber. 2,582,780, Jan. 15.
Punching device. R. S. Leszczynski. 2,590,189, Mar. 25.
Punching die. J. F. Kopczynski. 2,622,682, Dec. 23.
Punching machine M. M. and H. M. Balsam. 2,582,094, Jan. 8.
Punching machine. H. Oerliker. 2,589,849, Mar. 18.
Punching materials with screws and lodging same therein, Method and apparatus for. G. F. Wales. 2,593,506, Apr. 22.
Punching mechanism for paper webs. W. E. Oliver. 2,604,167, July 22.
Puncturing holder for gas cartridge. B. P. Baker. 2,580,639, Jan. 1.
Pure nickel hydroxide, Preparation of. W. J. Kirkpatrick. 2,602,070, July 1.
Pure well-crystallized hexanitrodiphenylamine, Preparing. J. H. Dijkema. 2,612,523, Sept. 30.
Purging apparatus for fuel storage spaces and the like. D. Mapes. 2,586,839, Feb. 26.
Purification and separation of gaseous mixtures. H. E. Randisett. 2,615,787, Oct. 28.
Purification of acrylate and methacrylate esters. W. C. Holliday, Jr. 2,618,652, Nov. 18.
Purification of acrylonitrile. J. Osborne. 2,622,097, Dec. 16.
Purification of air, Process of and apparatus for the. P. Borchardt. 2,603,956, July 22.
Purification of alcohols. B. E. V. Bowen and J. Howlett. 2,584,325, Feb. 5
Purification of alcohols by azeotropic distillation. N. C. Robertson and R. H. Buchanan. 2,591,877, Apr. 8.
Purification of alcoholic liquid. S. B. Beddow. 2,586,602, Feb. 19.
Purification of aliphatic hydrocarbons. A. E. Hirschler. 2,594,557, Apr. 29.
Purification of alumina-containing materials. A. F. Johnson. 2,587,328, Feb. 26.
Purification of bacitracin by adsorption. J. Charney. 2,582,921, Jan. 15.
Purification of benzene hexachloride. L. J. Burrage. 2,603,664, July 15.

Purification of benzene hexachloride. B. M. Williams. 2,584,376, Feb. 5.
Purification of beta-propiolactone. T. L. Gresham and J. E. Jansen. 2,602,802, July 8.
Purification of borohydrides of the alkali metals. T. R. P. Gibb, Jr. 2,615,788, Oct. 28.
Purification of carbon dioxide. W. Geisel. 2,594,269, Apr. 22.
Purification of carboxymethyl cellulose by ion exchange resins. W. E. Bergman. 2,617,800, Nov. 11.
Purification of crude ethylene dichloride. N. A. Agapetus, R. R. Reese, and L. P. Scoville. 2,589,212, Mar. 18.
Purification of crude phenol-acetone mixtures. G. G. Joris. 2,597,497, May 20.
Purification of crystalline substances. J. M. Powers. 2,614,134, Oct. 14.
Purification of derivatives of phenoxyacetic acid. G. S. Hartley. 2,594,556, Apr. 29.
Purification of dimethyl acetamide. R. L. Helder. 2,606,207, Aug. 5.
Purification of dinitro compounds. T. F. Doumani and R. W. Long. 2,580,742, Jan. 1.
Purification of distilled coke-oven benzene by distillation with added hydrocarbon material. J. R. Anderson. 2,581,344, Jan. 8.
Purification of distilled coke oven benzene by distillation with added hydrocarbon material. J. R. Anderson. 2,618,591, Nov. 18.
Purification of epinephrine. F. H. Tendick. 2,602,818, July 8.
Purification of gentisic acid. F. C. Meyer. 2,588,336, Mar. 11.
Purification of gentisic acid. B. M. Williams, L. F. Berbenke, and F. L. Beman. 2,588,679, Mar. 11.
Purification of glyceride oil. B. H. Thurman. 2,621,197, Dec. 9
Purification of gonadotropic hormones with a basic protein. K. E. L. Claesson, K. B. Högberg, and E. T. Rosenberg. 2,603,585, July 15.
Purification of isopropanol. S. W. Wilson. 2,588,446, Mar. 11.
Purification of mercaptans. J. P. Lyon, Jr., and A. A. Harban. 2,581,493, Jan. 8.
Purification of metal carbonyls. D. T. Hurd. 2,601,022, June 17.
Purification of meta-nitro-para-toluidine. J. C. Weaver, Jr., and M. D. Farkas. 2,623,903, Dec. 30.
Purification of minerals. R. Sturgeon and E. Seddon. 2,592,973, Apr. 15.
Purification of naphthalene. R. Scott and B. H. Joscelyne. 2,598,449, May 27.
Purification of oils by clay contacting. H. R. Davis. 2,594,880, Apr. 29.
Purification of 1,2-propylene oxide. M. O. Robeson and W. E. Taylor. 2,622,060, Dec. 16.
Purification of organic acids. W. B. Hughes. 2,600,166, June 10.
Purification of parathion. F. I. Edwards and S. A. Hall. 2,605,279, July 29.
Purification of phenanthrene by azeotropic distillation. J. Feldman and M. Orchin. 2,590,096, Mar. 25.
Purification of phenolic acids. V. F. Michael. 2,606,936, Aug. 12.
Purification of phenoxy-aliphatic-monocarboxylic acids. R. C. Dosser and A. E. Colby. 2,602,090, July 1.
Purification of rutin. J. F. Couch and C. F. Krewson. 2,587,600, Mar. 4.
Purification of secondary butyl acetate. W. S. Harney, Jr. 2,614,972, Oct. 21.
Purification of silver nitrate solutions. J. A. Moede. 2,614,029, Oct. 14.
Purification of streptomycin dihydrostreptomycin and salts thereof. R. E. Jones and R. G. Bailey. 2,617,799, Nov. 11.
Purification of tall oil pitch. R. S. Smith. 2,591,885, Apr. 8.
Purification of tetrahydrophthalimides with alkaline earth metal hydroxides. A. R. Kittleson. 2,613,213, Oct. 7.
Purification of titanium tetrachloride. H. Espenschied. 2,598,897, June 3.
Purification of titanium tetrachloride. H. Espenschied. 2,598,898, June 3.
Purification of titanium tetrachloride. W. L. Kay and C. E. Rick. 2,600,881, June 17.
Purification of vinyl aromatic compounds. B. B. Schaeffer. 2,589,871, Mar. 18.
Purification of vinyl sulfonic acids. G. D. Jones and C. E. Barnes. 2,619,452, Nov. 25.
Purification of water-soluble substances. H. E. Robertson and E. B. Port. 2,607,660, Aug. 19.
Purification of zinc electrolytes. J. T. Ellsworth. 2,599,816, June 10.
Purification process. J. J. Wehrle, O. L. Niehouse, and J. G. Burtle. 2,591,664, Apr. 8.
Purifying a lubricating oil feedstock with zinc halides. T. F. Rutledge and F. M. Seger. 2,622,094, Dec. 16.
Purifying alconols. B. O'Connor and F. G. Pearce. 2,587,753, Mar. 4.
Purifying amino compounds and CO_2 addition product produced thereby. J. H. Percy. 2,602,805, July 8.
Purifying ammonium sulfates H. I. Wolff. 2,596,950, May 13.
Purifying aureomycin by chromatographic adsorption. C. Pidacks and E. E. Starbird. 2,586,766, Feb. 19.
Purifying cuprous ammonium acetate solvent. J. D. Booker, W. M. Harp, and E. F. Wadley. 2,604,485, July 22.
Purifying diphtheria toxoids. R. B. Pennell and P. Masucci. 2,584,093, Jan. 29.
Purifying gaseous carbon dioxide. W. Geisel. 2,594,268, Apr. 22.
Purifying glycerin. A. C. Reents. 2,615,924, Oct. 28.
Purifying high-proof alcohol. E. D. Unger, L. A. Smith, and H. F. Willkie. 2,618,590, Nov. 18.
Purifying isobutylene by sulfuric acid extraction. W. A. Arnold. 2,581,065, Jan. 1.
Purifying naphthalene by crystallization. W. Swietoslawski. 2,615,058, Oct. 21.
Purifying normally liquid chlorides of metals of group 4 of the periodic system. W. Frey and E. Boller. 2,592,021, Apr. 8.
Purifying soaps of fatty acids. S. R. Merley and A. Kofoet. 2,597,844, May 27.
Purifying sodium hydroxide solutions. J. A. Neubauer, N. J. Ehlers, H. C. Twiehaus, and F. R. Elmore. 2,622,009, Dec. 16.
Purifying solid saturated fatty acids containing unsaturated free fatty acids and other soluble impurities. L. G. Jenness. 2,593,458, Apr. 22.
Purifying streptomycin. W. A. Winsten. 2,609,369, Sept. 2.
Purifying synthetic oil-soluble carboxylic acids. V. F. Michael. 2,615,912, Oct. 28.
Purifying the polychlorophenoxy-aliphatic-monocarboxylic acids. R. C. Dosser and A. E. Colby. 2,602,091, July 1.
Purifying water. W. Juda. 2,609,341, Sept. 2.
Purifying zirconium tetrachloride vapors. R. H. Lindblad and S. C. Pyk. 2,618,531, Nov. 18.
Purging head for radiator core section. T. W. Huffman. 2,613,064, Oct. 7.
Purging refrigeration systems. W. J. Kiene. 2,598,799, June 3.
Purse, Change. R. V. Carlson. 2,616,472, Nov. 4.
Purse construction. F. G. and S. H. Dobbs. 2,587,033, Feb. 26.
Purse, Fitted. S. Knee. 2,604,133, July 22.
Push-bar. R. Burdick. 2,582,526, Jan. 15.
Pushbroom, Flexible. F. D. Wiesman. 2,606,335, Aug. 12.
Push-button control for the operation of automobiles. W. J. Goedeke and W. L. Hartman. 2,610,518, Sept. 16.
Push button electric switch. M. S. Snell. 2,607,871, Aug. 19.
Push button having two positions in one of which it is illuminated. R. J. Thomas. 2,581,053, Jan. 1.
Push-button multiple switch. P. P. Pattyn. 2,613,290, Oct. 7.
Push-button operated permutation lock. A. S. Capdevila. 2,598,457, May 27.
Push-button unit. E. L. Allen. 2,604,346, July 22.
Push on-push off single button switch. E. A. Miller. 2,601,545, June 24.
Push-pull control cable. J. F. Morse. 2,601,791, July 1.
Push type drain valve. L. B. Courtot. 2,591,514, Apr. 1.
Push type reversing valve. W. P. Ferm. 2,606,736, Aug. 12.
Pusher aligning means for conveyers. C. G. Clark. 2,602,558, July 8.
Pusher conveyer with sectional trough. R. Tramblay. 2,590,802, Mar. 25.
Pusher feed saw table loading device. J. Marcantel. 2,610,729, Sept. 16.
Pusher machine and coke guide interlock. J. W. Drake. 2,589,231, Mar. 18.
Pusher machine with articulated pusher bar. P. H. Lavely. 2,609,948, Sept. 9.
Pusher mechanism. L. B. Rosseau. 2,583,968, Jan. 29.
Pusher power plant for airplanes. M. G. Huben. 2,604,276, July 22.
Pusher turboprop exhaust system. J. Jonas. 2,586,054, Feb. 19.
Putty removing device. C. R. Russell. 2,599,415, June 3.
Puzzle and game. C. E. Grant. 2,595,938, May 6.
Puzzle, Animated jigsaw. D. A. Zarlengo. 2,583,419, Feb. 12.
Puzzle, Mechanical. R. M. and O. L. Schriner, and L. M. Whyte. 2,591,303, Apr. 1.
Puzzle, Sectional three-dimensional. C. M. Welty. 2,610,856, Sept. 16.
Pyrazolopyridines. D. A. W. Adams and G. Fawthrop. 2,584,314, Feb. 5.
Pyrethrin concentrate from whole pyrethrum flowers, Production of. M. A. Jernakoff, G. H. Batt, and N. A. Sankowsky. 2,587,478, Feb. 26.
Pyridine analog of thiamin, Preparing. A. N. Wilson and S. A. Harris. 2,587,262, Feb. 26.
Pyridine carboxylic acids, Preparing. M. B. Mueller. 2,586,555, Feb. 19.
Pyridine nitriles, Production of. W. I. Denton and R. B. Bishop. 2,592,123, Apr. 8.
Pyridines, Production of. H. Hoog and W. F. Engel. 2,603,645, July 15.
Pyridines, Production of. H. Hoog and W. F. Engel. 2,605,264, July 29.

Pyridinium quaternary ammonium compounds. E. C. Britton and J. N. Hansen. 2,621,185, Dec. 9.
Pyridoxin, Manufacture of. A. Cohen. 2,590,841, Apr. 1.
Pyridyl amines. A. M. Clifford. 2,615,892, Oct. 28.
Pyridyl carbinol ethers and preparing same. J. W. Cusic. 2,606,193, Aug. 5.
Pyridylchlorosilanes. B. A. Bluestein. 2,584,665, Feb. 5.
Pyrimidopyrazines, Preparing. G. M. Timmis. 2,581,889, Jan. 8.
Pyrolysis of steroid products. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,588,396, Mar. 11.
Pyrolytic conversion of oil shale. L. K. Cheney. 2,609,331, Sept. 2.
Pyrolytic production of chlorohydrocarbons. E. K. Morris. 2,588,867, Mar. 11.
Pyrometer with stable rectified voltage. L. C. Lodge. 2,620,664, Dec. 9.
Pyrotechnic device. H. C. Clauser and R. S. Long. 2,606,495, Aug. 12.
Pyrotechnical cutting apparatus. J. Dumas. 2,605,704, Aug. 5.
Pyrotechnical device. E. B. Hershberg and E. R. Coburn. 2,586,228, Feb. 19.
Pyrroles, Production of. C. A. Bordner. 2,600,289, June 10.
Pyrrolidyl-alkyl esters of para-propoxybenzoic acids. W. B. Reid, Jr. 2,605,266, July 29.
Pyrrolidyl thiolesters. J. H. Hunter. 2,584,131, Feb. 5.
Quality control indicator. A. R. Davidson. 2,602,586, July 8.
Quantitative determination of metals. G. Schwarzenbach. 2,583,890–1, Jan. 29.
Quantitative feeder for ice plants. J. E. Reed. 2,589,431, Mar. 18.
Quantizing apparatus. A. C. Schroeder. 2,597,677, May 20.
Quartz to metal seal. E. H. Nelson. 2,607,981, Aug. 26.
Quasi-detachable magnetic symbols, markers, and insignia. R. U. Clark. Re. 23,570, Nov. 11.
Quasidetachable magnetic symbols, markers, and insignia. R. U. Clark. 2,599,047, June 3.
Quaternary ammonium compounds having a hydroxybutynyl substituent. W. J. Croxall and S. Melamed. 2,582,748, Jan. 15.
Quaternary ammonium derivatives of chloroxy propylated oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,392, Jan. 8.
Quaternary ammonium glyoxalidine derivatives of alpha-halogen carboxy acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,385, Jan. 8.
Quaternary ammonium salts. H. L. Sanders. 2,623,870, Dec. 30.
Quaternary ammonium salts of high molecular weight polymetaphosphoric acid. M. T. Goebel and R. K. Iler. 2,592,273, Apr. 8.
Quaternary ammonium salts of morpholyl ethers. J. B. and V. Niederl, and M. E. McGreal. 2,581,285, Jan. 1.
Quaternary ammonium salts of N-(3,3-diphenyl propyl) pyrrolidine. A. W. Ruddy. 2,592,191, Apr. 8.
Quaternary ammonium salts of 2,6-lupetidine. R. A. Robinson. 2,590,126, Mar. 25.
Quaternary bismuth alloy. O. N. Carlson and H. A. Wilhelm. 2,595,924–5, May 6.
Quaternary interpolymers of (A) certain 2-alkenyl esters of alpha-olefinic polycarboxylic acids, (B) certain monovinyl benzenes, (C) certain monoolefinic carboxylic esters, and (D) certain 2-alkenyl alcohols, chlorides, ethers, or esters. P. O. Tawney. 2,617,787, Nov. 11.
Quaternary salts. E. L. Ringwald and G. E. Ham. 2,616,922, Nov. 4.
Quaternary salts of pyrimidines. A. D. Ainley, S. Birtwell, and F. H. S. Curd. 2,585,906, Feb. 19.
Quaternary salts of pyrimidylamino cinnolines and preparing same. W. Hepworth and F. H. S. Curd. 2,585,935, Feb. 19.
Quaternary salts of pyrimidylaminoquinolines. A. D. Ainley and F. H. S. Curd. 2,585,905, Feb. 19.
Quaternary salts of pyrimidylaminoquinolines. N. Barton, S. Birtwell, and F. H. S. Curd. 2,585,909, Feb. 19.
Quaternary salts of pyrimidylaminoquinolines, Manufacture of. F. H S. Curd. 2,585,917, Feb 19.
Quaternary salts of pyrimidylamino quinolines, Manufacture of. C. H. Vasey. 2,585,979, Feb. 19.
Quaternary salts of 2,7-diamino-9-alpha-thienyl-phenanthridine. L. P. Walls and N. Whittaker. 2,616,892, Nov. 4.
Quench-hardening steel. E. R. Corneil. 2,600,290, June 10.
Quenched oscillating detector. E. M. Williams. 2,605,398, July 29.
Quenching device for horizontally moving articles. H. W. Secor. 2,616,437, Nov. 4.
Quick-acting clamp. L. J. Rousseau. 2,622,543, Dec. 23.
Quick-acting diaphragm operated gate valve. E. G. Smith and O. M. Cocchiarella. 2,601,231, June 24.
Quick-acting gate valve. J. H. Webb. 2,611,575, Sept. 23.
Quick-acting gear actuated pivoted valve. E. W. Flosdorf and L. W. Hull. 2,612,338, Sept. 30.
Quick-acting holding block for peening gauge strip employed in shot peening processes. R. B. Huyett and F. Newell. 2,620,838, Dec. 9.
Quick-acting pipe wrench. J. W. Jensen. 2,596,559, May 13.
Quick-acting, self-locking fastener. W. Dzus. 2,580,666, Jan. 1.
Quick action hatch clamp. M. W. and H. M. Kestner. 2,583,033, Jan. 22.
Quick-action type vise having pawl-locked slidable jaw. J. W. Jansson. 2,620,694, Dec. 9.
Quick-attaching traction device. S. M. Dowdell and I. L. Giovanella. 2,582,193, Jan. 8.
Quick-change casing stabbing board. F. L. O. Cranford. 2,582,528, Jan. 15.
Quick-change sizer counter switch mounting. H. J. Mumma. 2,581,693, Jan. 8.
Quick-closing substantially balanced gate valve. I. B. Laskowitz. 2,614,790, Oct. 21.
Quick-cooking rice, Production of. R. L. Roberts. 2,610,124, Sept. 9.
Quick detachable anchoring means for chairs and the like. H. A. Bowman. 2,589,922, Mar. 18.
Quick detachable connector. B. Fox. Re. 23,547, Sept. 9.
Quick detachable pickup finger for harvester reels. R. W. Keene. 2,608,045, Aug. 26.
Quick detachable toilet hinge post fastener. A. M. Campanelli. 2,593,534, Apr. 22.
Quick detachable wheel. W. D. Peck. 2,586,177, Feb. 19.
Quick disconnect holding means. J. E. Wescott. 2,613,961, Oct. 14.
Quick disconnect key holder. P. T. Poutinen. 2,599,660, June 10.
Quick-dismountable cowling. R. H. Anderson. 2,599,037, June 3.
Quick-exhausting valve. W. Wilcox and D. E. Daniel. 2,610,839, Sept. 16.
Quick fastening device. O. J. Poupitch. 2,608,735, Sept. 2.
Quick fastening device. O. J. Poupitch. 2,620,538, Dec. 9.
Quick freeze apparatus and package. R. M. Magnuson. 2,618,131, Nov. 18.
Quick-opening mannole. H. H. Gary. 2,589,795, Mar. 18.
Quick opening valve. F. W. McRae. 2,591,959, Apr. 8.
Quick-operating float valves. H. Katz. 2,592,908, Apr. 15.
Quick releasable ship clamp. W. A. Meighan. 2,602,690, July 8.
Quick release fastener. R. C. Legat. 2,622,294, Dec. 23.
Quick tightening machine-tool vise. A. A. Bahuaud. 2,588,073, Mar. 4.
Quickly operable fastener. O. J. Poupitch. 2,589,028, Mar. 11
Quiet overload circuit breaker. J. D. Wood. 2,594,107, Apr. 22.
Quilt marker. O. Z. D. Johnson. 2,595,081, Apr. 29.
Quinazoline derivative vat dyestuffs. P. Sutter and W. Kern. 2,583,520, Jan. 22.
Quinoxalines and making same. J. Druey and P. Schmidt. 2,590,075, Mar 25.
Quiver. J. W. Harvey. 2,587,155, Feb. 26.
Quiz game apparatus. G. W. Emmert. 2,585,099, Feb. 12.
Quoit. C. M. Custer. 2,584,260, Feb. 5.
Racemization of amino acid. R. D. Emmick. 2,586,154, Feb. 19.
Racing car. P. Taruffi. 2,608,264, Aug. 26.
Racing game, Coin-controlled. H. M. Smith, C. M. Burr, and J. K. Bishop, Sr. 2,604,323, July 22.
Racing horseshoe, Flexible. E. A. Dixon. 2,622,685, Dec. 23.
Rack: See—
Adjustable and mobile broom and mop display rack.
Adjustable music rack.
Awning display rack.
Baker's rack.
Barbecue rack.
Box assembly rack.
Broom and mop rack.
Calendar rack.
Card table - supporting rack.
Clothes drying rack.
Collapsible and concealable reading rack.
Collapsible dispensing rack.
Combination hat and coat rack.
Container and bottle supporting rack.
Conveyer type display rack.
Cover rack.
Cup rack.
Display rack.
Film rack.
Fishhook rack.
Floor rack.
Food tray rack.
Game skinning rack.
Garbage can rack.
Garment rack.
Gridiron or broiling rack.
Heat-treating rack.
Knockdown display rack.
Merchandise display rack.
Milk can rack.
Necktie rack.
Oil can drain rack.
Package display rack.
Poker chip rack.
Portable chart rack.
Power-driven display rack.
Random tool rack.
Shoe rack.
Shuttle loading rack.
Spool rack.
Stationery rack.
Supporting rack.
Suspended tie rack.
Toasting or broiling rack.
Tool rack.
Towel rack.
Utility rack.
Wire rack.
Rack. L. E. Earll. 2,612,274, Sept. 30.
Rack. L. R. Jarrett. 2,600,298, June 10.
Rack attachment for securement to beds, Clothes. T. O. Keck. 2,593,567, Apr. 22.
Rack for automobiles, Garment carrying. J. H. Batzle. 2,583,806, Jan. 29.

Rack for handling bricks and the like, Adjustable. J. D. Naillon. 2,595,599, May 6.
Rack for holding master sheets. F. H. Davis. 2,602,395, July 8.
Rack for holding slices of toasted bread and the like. J. Snyder. 2,592,203, Apr. 8.
Rack for holding Venetian blind slats. F. L. Morris and A. W. Peterson. 2,588,557, Mar. 11.
Rack for longitudinal bodies, such as bottles and the like. A. Bamert. 2,622,741, Dec. 23.
Rack for milk buckets or like containers. J. L. Kjeldsen. 2,614,700, Oct. 21.
Rack for paper stock, Padding. K. J. Dollahite. 2,593,738, Apr. 22.
Rack for plastic dish covers. R. E. Thompson. 2,594,699, Apr. 29.
Rack for plates and other disk-like objects. A. M. McCulloch. 2,616,567, Nov. 4.
Rack for rolled goods, Magazine display and dispensing. R. C. Dent and D. P. and P. V. Pike. 2,590,384, Mar. 25.
Rack for sample cases. I. M. Ikelheimer. 2,581,257, Jan. 1.
Rack for toast and the like. A. Hirst. 2,605,907, Aug. 5.
Rack for vehicles, Clothes. J. D. Patton. 2,582,650, Jan. 15.
Rack having movable parts, Display. H. C. Douglas. 2,582,624, Jan. 15.
Rack-knapsack. S. L. Utterström. 2,611,519, Sept. 23.
Rack or stretcher, Curtain. V. M. Owens. 2,605,583, Aug. 5.
Rack or the like, Carpet. C. C. Riemenschneider. 2,601,560, June 24.
Rack tray for automobile doors, Snack. J. D. and G. H. Clements and R. E. Smith. 2,605,154, July 29.
Rack with drip catcher. J. J. Kennedy. 2,608,843, Sept. 2.
Radar antenna structure. W. W. Lindsay, Jr. 2,596,966, May 13.
Radar apparatus. B. C. Fleming-Williams. 2,622,240, Dec. 16.
Radar display. E. G. Schneider. 2,600,335, June 10.
Radar domes, Making. L. S. Cooper. 2,614,059, Oct. 14.
Radar ground-controlled approach system for aircraft. C. W. Sherwin and L. H. Johnston. 2,585,855, Feb. 12.
Radar moving target indicating system. W. M. Hall and H. N. Veveridge. 2,597,636, May 20.
Radar navigating apparatus for aircraft. F. C. Thompson. 2,589,584, Mar. 18.
Radar pulsing system. J. F. Gordon. 2,590,308, Mar. 25.
Radar receiver. C. W. Hargens. 2,583,173, Jan. 22.
Radar simulator. C. A. Hisserich and G. A. Brettell, Jr. 2,604,705, July 29.
Radar system, Directional. B. Fox. 2,587,610, Mar. 4.
Radar system having spiral and conical scanning antenna and tridimensional indicator. L. J. Haworth and E. M. Purcell. 2,600,318, Aug. 5.
Radar system operational training system. E. M. Jones. 2,605,556, Aug. 5.
Radar target indicating system for fire control. R. D Chipp. 2,603,775, July 15.
Radial engine. G. D. Angle. 2,618,253, Nov. 18.
Radial engine. D. I. Bohn. 2,584,098, Jan. 29.
Radial engine crankshaft mechanism. R. D. Willis. 2,608,870, Sept. 2.
Radial flow wet dust collector. W. O. Vedder. 2,587,417, Feb. 26.
Radial head, weight-controlled hose extension device. B. Wagner. 2,601,073, June 17.
Radial holder for toothpicks and like articles. C. B. Overbaugh. 2,612,259, Sept. 30.
Radial louver construction. G. C. Rudd. 2,600,926, June 17.
Radial pump. W. H. Mashinter. 2,605,710, Aug. 5.
Radial pump and radial motor hydraulic transmission. T. Müller. 2,585,574, Feb. 12.
Radial steam motor. A. E. Hall. 2,603,194, July 15.
Radially movable piston type clutch. B. S. Nelson. 2,595,479, May 6.
Radiant energy heat transfer device. M. Telkes. 2,595,905, May 6.
Radiant energy measuring system. J. F. English, Jr., and A. J. Hornfeck. 2,624,012, Dec. 30.
Radiant energy object locating system. L. Espenschied and J. G. Chaffee. 2,581,847, Jan. 8.
Radiant energy opaque fabric. V. W. Archer. 2,623,549, Dec. 30.
Radiant energy transmission and reflection analyzer with adjustable filter. E. J. Martin and R. N. Frawley. 2,589,414, Mar. 18.
Radiant gas burner. W. Kennedy. 2,601,299, June 24.
Radiant gas burner. J. R. Williams. 2,622,670, Dec. 23.
Radiant heat welding equipment. O. R. Smith. 2,611,848, Sept. 23.
Radiant heating installation. C. W. Abbott. 2,608,634, Aug. 26.
Radiant heating installation. E. D. Tidd. 2,582,762, Jan. 15.
Radiant heating installation. E. De F. Tidd. 2,609,474, Sept. 2.
Radiant heating system. G. F. Keck. 2,584,591, Feb. 5.
Radiant heating system. L. L. Scott. 2,598,841–2, June 3.
Radiant plate and baffle for heating burners. H. E. Martindale and F. E. Janquart. 2,614,514, Oct. 21.
Radiant work heating gas burner. J. D. Nesbitt and H. W. Schramm. 2,591,283, Apr. 1.
Radiation counter. J. A. Simpson, Jr. 2,595,550, May 6.
Radiation counter. J. A. Simpson, Jr. 2,606,296, Aug. 5.
Radiation detection and measuring means. H. D. Le Vine and H. J. Di Giovanni. 2,620,446, Dec. 2.
Radiation detector. F. B. Marshall and J. W. Coltman. 2,612,610, Sept. 30.
Radiation detector. J. Neufeld. 2,604,600, July 22.
Radiation detector. B. B. Schneider. 2,599,352, June 3.
Radiation detector circuit. B. L. Weller. 2,617,946, Nov. 11.
Radiation device and construction. J. A. Simpson, Jr. 2,602,904, July 8.
Radiation intensity meter. D. J. Montgomery and K. A. Yamakawa. 2,623,184, Dec. 23.
Radiation intensity metering system. S. M. Christian. 2,610,302, Sept. 9.
Radiation monitoring device. T. A. Rich. 2,622,207, Dec. 16.
Radiation pyrometer with illuminator. W. T. Gray. 2,611,541, Sept. 23.
Radiation type thickness gauge. E. T. Clarke. 2,586,303, Feb. 19.
Radiator. W. W. Baber. 2,580,715, Jan. 1.
Radiator assembly for internal-combustion engines and the like. R. O. Nusbaum. 2,596,589, May 13.
Radiator back flush and cleaning booth. E. G. Webb. 2,612,899, Oct. 7.
Radiator, Baseboard. J. W. Turner. 2,587,410, Feb. 26.
Radiator cap and steam baffle wrench. C. R. Taylor. 2,599,668, June 10.
Radiator cleaner. J. E. Schmitz. 2,623,791, Dec. 30.
Radiator cleaning apparatus. C. B. Shanaman. 2,592,477, Apr. 8.
Radiator, Cooling. M. Didier. 2,613,065, Oct. 7.
Radiator designed to permit regulation of active heat radiation surface thereof. E. S. Paternoster. 2,584,914, Feb. 5.
Radiator, Electromagnetic. J. T. Bolljahn. 2,617,031, Nov. 4.
Radiator, Fan beam. T. J. Keary. 2,605,414, July 29.
Radiator, Fin type. L. P. Marcotte. 2,602,650, July 8.
Radiator for gluing machines. R. W. Burns and L. Quick. 2,580,728, Jan. 1.
Radiator, Humidifying. R. Geoffrion. 2,606,993, Aug. 12.
Radiator positioner. T. C. Ferguson. 2,602,990, July 15.
Radiator testing apparatus. D. Langfeld, R. Leckey, R. A. Olson, and E. G. Webb. 2,595,470, May 6.
Radiator type heat exchanger. A. R. Lintern. 2,612,349, Sept. 30.
Radical stabilized polymers. D. M. McQueen. 2,619,479, Nov. 25.
Radioactive assay apparatus. E. G. Segre. 2,597,535, May 20.
Radioactive bromine, Preparation of. H. Jacobson. 2,605,219, July 29.
Radioactive particle counting. W. Bernstein and R. Ballentine. 2,622,208, Dec. 16.
Radioactive marker. S. Krasnow. 2,592,434, Apr. 8.
Radioactive photographic articles. J. De Ment. 2,603,755, July 15.
Radio activity detector and discriminator. S. W. Lichtman. 2,584,138, Feb. 5.
Radioactivity survey apparatus. S. M. Zollers. 2,619,601, Nov. 25.
Radio aerial installation. J. F. Hatch and J. W. Brittain. 2,601,610, June 24.
Radio aerial system. J. F. Ramsay and J. D. Peat. 2,622,199, Dec. 16.
Radio aid to navigation. D. G. C. Luck. 2,584,599, Feb. 5.
Radio and intercommunication system, Combined. M. R. Mantz. 2,616,973, Nov. 4.
Radio and/or television game apparatus. H. H. Wixson. 2,609,204, Sept. 2.
Radio and television chassis, Combination. S. M. Goldfus. 2,617,878, Nov. 11.
Radio and television receiving system, Combination. W. R. Koch. 2,611,818, Sept. 23.
Radio angle reception meter. J. T. de Bettencourt. 2,606,319, Aug. 5.
Radio apparatus. E. F. Andrews. 2,605,401, July 29.
Radio apparatus. G. C. Larson. 2,611,111, Sept. 16.
Radio apparatus. J. J. Merklinger. 2,580,690, Jan. 1.
Radio apparatus. C. Sheaffer. 2,591,732, Apr. 8.
Radio apparatus. H. E. Smith. 2,594,085, Apr. 22.
Radio apparatus for indicating speed and course of objects. G. W. Fyler. 2,617,093, Nov. 4.
Radio beacon. D. E. Kenyon. 2,602,162, July 1.
Radio beacon for indicating bearing on vehicles. H. E. Bryan. 2,603,776, July 15.
Radio beacon, Rotating. F. de Fremery. 2,596,537, May 13.
Radio beacon, Self-identifying reflecting. H. Chireix. 2,582,310, Jan. 15.
Radio beacon signaling, High-frequency. S. N. Van Voorhis, J. S. Kirby-Smith and J. B. H. Kuper. 2,605,394, July 29.
Radio beacon system. O. Norgorden. 2,607,915, Aug. 19.

Radio beacon system. W. J. O'Brien. 2,582,350, Jan. 15.
Radio broadcasting system with selective program elimination. A. F. Rekart. 2,617,923, Nov. 11.
Radio buoy. R. V. Keeran. 2,586,828, Feb. 26.
Radio buoy, Automatically operated. R. L. Freas. 2,593,432, Apr. 22.
Radio chassis assembly. S. Tarantur and G. Harrigan. 2,605,326, July 29.
Radio communication system. J. C. O'Brien and H. C. Sibley, Jr. 2,588,031, Mar. 4.
Radio control device. J. N. Davis. 2,613,548, Oct. 14.
Radio control system. W. L. Everitt. 2,585,640, Feb. 12.
Radio control system receiver. N. J. Oliver. 2,604,518, July 22.
Radio detection and ranging system. G. W. Fyler. 2,616,078, Oct. 28.
Radio direction and location determining system. H. G. Busignies and A. D. Smith, Jr. 2,607,032, Aug. 12.
Radio direction finder. E. D. Blodgett and L. L. Lakatos. 2,620,471, Dec. 2.
Radio direction finder. J. D. Brailsford and E. B. Vass. 2,605,465, July 29.
Radio direction finding apparatus. R. C. Sabins. 2,589,578, Mar. 18
Radio direction finding system. C. W. Earp. 2,589,236, Mar 18.
Radio echo apparatus. R. M. Page. 2,610,319, Sept. 9.
Radio echo detection system. J. F. Roehler. 2,605,461, July 29.
Radio echo moving target indicator. H. Grayson and D. E. Brown. 2,586,028, Feb. 19.
Radio echo system for mapping contours. W. T. Holser. 2,616,077, Oct. 28.
Radio-frequency bolometer wattmeter. E. O. Kelzer and V. D. Landon. 2,584,272, Feb. 5.
Radio-frequency circuit. F. C. Isely. 2,589,259, Mar. 18.
Radio frequency coupling circuit. J. D. Reid. 2,610,248, Sept. 9.
Radio frequency drying device. B. R. Reed and A. H. Crowley. 2,618,733, Nov. 18.
Radio-frequency inductance coils. R. A. Wilson. 2,598,089, May 27.
Radio-frequency operated receiving system consuming zero standby power. P. W. Russell and J. L. Harmon. 2,597,264, May 20.
Radio-frequency oscillator power supply system. J. van Slooten. 2,596,623, May 13.
Radio-frequency phase shift network. G. B. MacKimmie. 2,584,606, Feb. 5.
Radio-frequency power divider circuit. G. L. Ragan. 2,605,356, July 29.
Radio-frequency power measuring system. L. E. Norton. 2,602,828, July 8.
Radio-frequency receiver with band-spread tuning. H. A. Broos. 2,589,331, Mar 18.
Radio-frequency switching arrangement. J. F. Gordon. 2,598,534, May 27.
Radio-frequency system. N. R. Wild. 2,586,754, Feb. 19.
Radio-frequency transformer. H. T. Lyman and D. R. De Tar. 2,591,681, Apr. 1.
Radio-frequency transmission line circuit. H. J. Riblet. 2,585,173, Feb. 12.
Radio frequency transmission line circuits. T. M. Gluyas, Jr. 2,606,964, Aug. 12.
Radio-frequency vacuum tube voltmeter. R. H. Dicke. 2,597,303, May 20
Radio frequency wattmeter. H. C. Early. 2,609,450, Sept. 2.
Radio guidance system. T. M. Ferrill, Jr. 2,603,779, July 15.
Radio gun control system. C. G. Holschuh, G. E. White, W. W. Mieher, and J. E. Shepherd. 2,617,982, Nov. 11.
Radio locating apparatus. E. G. Bowen, R. W. Taylor, F. C. Williams, R. H. Brown, and A. G. Touch. 2,592,855, Apr. 15.
Radio location and detection arrangement. N. M. Rust and G. E. Partington. 2,602,920, July 8.
Radio location and detection arrangement. N. M. Rust and G. E. Partington. 2,612,636, Sept. 30.
Radio navigation aid. C. E. G. Bailey. 2,591,908, Apr. 8.
Radio navigation device. G. L. Lang. 2,613,351, Oct. 7.
Radio navigation system. L. H. Bedford and L. Jofeh. 2,616,640, Nov. 4.
Radio navigation system. T. J. Goldan. 2,608,684, Aug. 26.
Radio navigation system. C. E. Hastings. 2,608,685–6, Aug. 26.
Radio navigation system. S. Kellogg, 2nd. 2,613,352, Oct. 7.
Radio navigation system. D. G. C. Luck. 2,602,925, July 8.
Radio navigation system. B. S. and C. W. McCutchen. 2,604,620, July 22.
Radio navigation system. F. C. Williams. 2,607,913, Aug. 19.
Radio navigation system for dirigible craft. W. Palmer. 2,613,339, Oct. 7.
Radio navigation system for targets in altitude layers. P. J. Herbst. 2,595,358, May 6.
Radio object-locating system P. L. Spencer. 2,584,509, Feb. 5.
Radio object locating system. E. K. Stodola. 2,615,158, Oct. 21.
Radio object locating system having a hyperbolic sweep. J. H. Irving. 2,611,126, Sept. 16.
Radio obstacle detector. A. J. Ortusi. 2,623,207, Dec. 23.
Radio-operated controller for all electric automatic pilots. S. L. Baring-Gould and W. H. Sleeper, Jr. 2,620,148, Dec. 2.
Radio pulse-echo locating equipment. D. E. Norguard. 2,595,876, May 6.
Radio range device. R. H. Ranger. 2,580,462, Jan. 1.
Radio receiver. R. Florac. 2,619,589, Nov. 25.
Radio receiver. W. S. Percival. 2,607,889, Aug. 19.
Radio receiver E. M. Williams and B. R. Gardner, Jr. 2,586,894, Feb. 26.
Radio receiver and hearing aid, Combination. L. M. Temple. 2,618,707, Nov. 18.
Radio receiver case, including snap-lock fastener. H. Mendelson. 2,621,286, Dec. 9.
Radio receiver circuits. A. H. A. Wynn. 2,597,142, May 20.
Radio receiver, Double heterodyne. R. Bataille and G. Honornt. 2,606,285, Aug. 5.
Radio receiver employing a single tube amplifier-converter. R. Adler and J. G. Spracklen. 2,616,035, Oct. 28.
Radio receiver for single side band signals. R. C. Cheek. 2,605,397, July 29.
Radio receiver, Highly selective. H. Magnuski. 2,608,648–9, Aug. 26.
Radio receiver noise reducing circuit. C. Wasmansdorff. 2,586,190, Feb. 19.
Radio receiver selection system. R. O. Soffel. 2,594,087, Apr. 22.
Radio receiver sequence tuner. E. J. Sperber. Re. 23,474, Mar. 18.
Radio receiver, Superheterodyne. B. G. Dammers. 2,582,683, Jan. 15.
Radio receiver tuning indicator. G. J. Barry. 2,582,951, Jan. 22
Radio receiver tuning switch. H. C. Hansen. 2,594,644, Apr. 29.
Radio receiving apparatus. R. Adler. 2,616,034, Oct. 28.
Radio receiving set, Portable. M. Lichaw. 2,593,570, Apr. 22.
Radio-receiving set, Superheterodyne. A. Van Weel. 2,601,472, June 24.
Radio receiving system. E. T. Jaynes. 2,583,573, Jan. 29.
Radio receiving system. R. A. Kirkman. 2,584,132, Feb. 5.
Radio reflector. H. Iams. 2,580,921, Jan. 1.
Radio selective alarm system with a central transmitter. P. E Fischler. 2,623,991, Dec. 30.
Radio shielded ignition lead terminal with pressure barrier. K. G. Strunk. 2,583,067, Jan. 22.
Radio signal discriminating apparatus. D. A. Bell. 2,607,888, Aug. 19.
Radio signal enhancing frequency conversion method. J. C. Myers. 2,608,650, Aug. 26.
Radio signaling. E. H. Armstrong. 2,602,885, July 8.
Radio speakers, Making. B. T. Setchell. 2,591,881, Apr. 8.
Radio system. R. H. Ranger. 2,603,777, July 15.
Radio system for aircraft guidance. C. W. Earp and C. E. Strong. 2,604,621, July 22.
Radio system for aircraft identification. P. J. Herbst. 2,595,141, Apr. 29.
Radio system for distance measurement. P. A. Perilhou. 2,592,459, Apr. 8.
Radiotelephone receiving system. B. G. Bjornson. 2,589,662, Mar. 18.
Radiotelephone station identifying system. F. S. Entz and R. O. Soffel. 2,599,097, June 3.
Radio telephone system. F. E. Gissler and J. F. Laidig. 2,607,887, Aug. 19.
Radio television receiving system, Combination. E. O. Kelzer. 2,609,441, Sept. 2.
Radio transmission and reception. J. Ashmead. 2,618,777, Nov. 18.
Radio transmission system. D. B. Harris. 2,607,004, Aug. 12.
Radio transmission system. R. D. Kell. 2,599,643, June 10.
Radio transmitter. G. H. Brown. 2,602,887, July 8.
Radio transmitter control. P. E. Fischler and P. J. Thut. 2,623,992, Dec. 30
Radio tube socket mounting. E. K. Nauth. 2,586,696, Feb. 19.
Radio tuning drive and band selector mechanism. G. M. Daly. 2,604,791, July 29.
Radio tuning system. J. M. Lester and R. L. Thompson. 2,581,194, Jan. 1.
Radiographic apparatus. R. J. Nelsen. 2,581,431, Jan. 8.
Radiographic equipment. A. Wright. 2,614,224, Oct. 14.
Radiographic inspection device. J. A. Hjulian and I. H. Carlson. 2,622,209, Dec. 16.
Radiographic inspection device. N. R. Siebert. 2,607,012, Aug. 12.
Radiopaque formulation. H. O. Singher and C. R. Harmison, Jr 2,603,586, July 15.
Radiosonde calibration method. C. B. Pear, Jr. 2,591,600, Apr. 1.
Radiosonde recorder control. J. A. Siderman. 2,599,588, June 10.
Radius adjusting mechanism for tire removing machines. W. L. Deysher and D. Monson. 2,618,320, Nov. 18.

Radius and angle dresser. A. T. Giglia. 2,583,480, Jan. 22.
Radius tangent dresser. K. M. Fritts. 2,585,305, Feb. 12.
Rafter cutting and positioning jig. E. J. Tarperi. 2,582,892, Jan. 15.
Rafter square. R. Cruickshank. 2,588,909, Mar. 11.
Rag reciprocating mechanism for shoe-shining machines. C. E. Danielson. 2,605,486, Aug. 5.
Rag rug making device. J. Woroneski. 2,609,676, Sept. 9.
Rail anchor. L. D'Amore. 2,621,858, Dec. 16.
Rail anchor. O. F. Arthur and F. Schulle. 2,600,089, June 10.
Rail assembly for line casting machines, Duplex. T. F. Ellis. 2,607,473, Aug. 19.
Rail bond. W. P. Bovard. 2,582,937, Jan. 15.
Rail bond. F. C. Lavarack. 2,600,118, June 10.
Rail bond terminal. H. J. Brown and F. C. Lavarack. 2,597,444, May 20.
Rail brace. G. Arnold, H. A. Schults, and E. E. Rhoads. 2,600,183, June 10.
Rail car. O. A. Kuhler and W. E. Burnett. 2,612,121, Sept. 30.
Rail car bearing and oiler. B. I. Browning. 2,610,095, Sept. 9.
Rail chair. T. W. Mundt. 2,609,148, Sept. 2.
Rail cleaning device. H. G. Foster. 2,597,719, May 20.
Rail clip forming machine. E. A. Skowron. 2,596,734, May 13.
Rail connecting device. A. Lorio. 2,620,986, Dec. 9.
Rail flaw detection apparatus. F. H. Keaton and D. C. Bettison. 2,582,440, Jan. 15.
Rail flaw detector mechanism. R. N. Straehl. 2,587,785, Mar. 4.
Rail flaw detector, Portable. C. W. and R. W. McKee. 2,622,131, Dec. 16.
Rail for transporting hangers or carriages and switches therefor. C. A. Calder. 2,610,584, Sept. 16.
Rail guard. J. H. Asselin. 2,597,697, May 20.
Rail, Ironing board. C. F. Obert. 2,590,030, Mar. 18.
Rail joint. O. Reinurth. 2,613,875, Oct. 14.
Rail joint for locomotive turntables. W. A. Summerhays. 2,593,215, Apr. 15.
Rail joint for V-head rail type. S. G. Thomson. 2,619,290, Nov. 25.
Rail lifter R. D. MacDonald. 2,598,277, May 27.
Rail member for mounting sinuously corrugated wire springs. W. H. Neely. 2,592,944, Apr. 15.
Railroad car for transporting road vehicles. W. M. Holland. 2,585,126, Feb. 12.
Railroad car handling system and apparatus. E. J. Doehler. 2,582,316, Jan. 15.
Railroad car moving jack. J. Kilness. 2,621,892, Dec. 16.
Railroad communication system. L. P. Morris and F. H. Clarke. 2,602,842, July 8.
Railroad rail spraying apparatus. J. P. Quarles. 2,586,256, Feb. 19.
Railroad rail unsymmetrical sides. S. G. Thomson. 2,596,619, May 13.
Railroad switch. G. A. Swazey. 2,611,076, Sept. 16.
Railroad tank car. G. W. Patch, Jr., and J. G. Van Vleet. 2,587,204, Feb. 26.
Railroad tie. W. W. Bartlett. 2,611,545, Sept. 23.
Railroad tie dresser. J. Tackett. 2,582,658, Jan. 15.
Railroad track skeletonizing machine. H. C. Jones. 2,609,619, Sept. 9.
Rail spike. H. A. Lacerda. 2,605,670, Aug. 5.
Rail splice. G. I. Titus. 2,610,799, Sept. 16.
Rail splice and rerailer. N. Winters. 2,593,235, Apr. 15.
Rail track heater. W. H. Greenfield. 2,585,648, Feb. 12.
Railway and rolling stock therefor. N. G. and W. J. Keller. 2,585,789, Feb. 12.
Railway auxiliary power plant mounting. R. G. Anderson. 2,598,336, May 27.
Railway ballast displacing and digging machine. F. H. Philbrick. 2,616,192, Nov. 4.
Railway brake. W. H. Baselt. 2,581,746, Jan. 8.
Railway brake beam. I. J. Spaeth. 2,587,915, Mar. 4.
Railway brake control mechanism. F. S. Swickard. 2,618,514, Nov 18.
Railway car. F. T. Burgess. 2,599,606, June 10.
Railway car. J. E. Candlin, Jr. 2,582,002, Jan. 8.
Railway car. W. B. and A. G. Dean. 2,589,997, Mar. 18.
Railway car. E. G. Goodwin. 2,580,760, Jan. 1.
Railway car. O. A. Kuhler. 2,595,858, May 6.
Railway car doorway structure. S. F. Udstad. 2,617,369, Nov. 11.
Railway car draft key retainer. F. H. Pletzsch. 2,593,790, Apr. 22.
Railway car end lining arrangement. C. R. Radey. 2,591,006, Apr. 1.
Railway car moving device. P. W. Schilling. 2,607,300, Aug. 19
Railway car retarder. W. F. Mitchell. 2,618,364, Nov. 18.
Railway car room arrangement. M. Watter. 2,622,544, Dec. 23.
Railway car side door. K. F. Nystrom. 2,596,913, May 13.
Railway car temperature control system. T. J. Lehane. 2,600,889, June 17.
Railway car truck side frame. W. E. Gray and C. V. Gagen. 2,620,744, Dec. 9.
Railway car wheel flange oiler. H. P. Fisher. 2,614,061, Oct 21
Railway center plate locking structure. J. C. Travilla, Jr. and B. E. Glenn, Jr. 2,600,704, June 17.
Railway crossing, Adjustable. L. Rosenblatt and W. A. Moore. 2,583,278, Jan. 22.
Railway drop coupler and draft gear. A. H. Pagenkemper and B. S. Caln. 2,580,588, Jan. 1.
Railway hatch cover and locking means therefor. W. A. Beauchamp. 2,586,601, Feb. 19.
Railway journal lubricator. J. J. Hennessy. 2,621,089, Dec. 9.
Railway journal lubricator distributor. J. J. Hennessy. 2,612,416, Sept. 30.
Railway pilot drop buffer. T. H. Ainsworth. 2,619,235, Nov. 25
Railway signal control apparatus for protecting against momentary loss of track shunt. O. W. Rost. 2,623,161, Dec. 23.
Railway signal control system. W. H. Claus. 2,617,920, Nov. 11.
Railway signal control system. F. T. Fereday, Sr. 2,623,162, Dec. 23.
Railway signal control system for single track railways. W. V. Grosjean. 2,618,740, Nov. 18.
Railway signaling system. D. G. Shipp. 2,585,505, Feb. 12.
Railway sleeping car. D. A. Crawford. 2,612,120, Sept. 30.
Railway sleeping car. B. E. Jones. 2,619,044, Nov. 25.
Railway spike. H. R. Oltz and H. J. Fanger. 2,614,450, Oct. 21.
Railway surfacing, tie spacing, and tamping machine. J. T. Wren. 2,586,282, Feb. 19.
Railway switch. E. O. Humphrey. 2,607,003, Aug. 12.
Railway switch controlling apparatus. A. T. Johnston. 2,608,647, Aug. 26.
Railway switch joint. W. G. Morris. 2,588,148, Mar. 4.
Railway switch operating apparatus. H. L. Bone and R. A. Woods. 2,598,495, May 27.
Railway switch point connection. E. C. Larry. 2,584,719, Feb. 5.
Railway tie cutting machine. W. F. Woolery. 2,603,255, July 15.
Railway track circuits. P. N. Martin. 2,591,456, Apr. 1.
Railway track securing means. M. Gilmer. 2,620,137, Dec. 2.
Railway track servicing apparatus. W. Richardson. 2,596,823, May 13.
Railway track servicing apparatus. W. Richardson. 2,602,694, July 8.
Railway track skate. H. L. Bone. 2,613,612, Oct. 14.
Railway track supporting and fastening. H. L. Rushing. 2,619,291, Nov. 25.
Railway track tool. K. Kershaw. 2,597,337, May 20.
Railway traffic controlling apparatus. J. W. Logan, Jr. 2,585,144, Feb. 12
Railway traffic controlling system. R. F. Wells. 2,582,089, Jan. 8.
Railway train describer. B. E. O'Hagan and P. N. Martin. 2,581,552, Jan. 8.
Railway truss type brake beam end structure. E. G. Busse. 2,597,287 May 20.
Railway vehicle. J. MacVeigh. 2,604,857, July 29.
Railway vehicle. F. L. Murphy, R. W. Haman, and S. W. Kay. 2,621,612, Dec. 16.
Railway vehicle axle mounting. J. M. Archambault. 2,614,508, Oct. 21
Railway vehicle with reversible triangular traction. Light. A. G. Omar, L. M. de Oriol y Urquijo and J. J. P. MacVeigh 2,605,718, Aug. 5.
Railway wheel checking device. M. W. Gieskieng. 2,590,603 Mar. 25.
Railway wheel checking device. M. W. Gieskieng. 2,605,392, July 29
Railing. W. W. Bush. 2,590,929, Apr. 1.
Rain gauge. C. C. Rouse and S. A. Sparks. 2,601,783, July 1.
Rain skirt and umbrella cover, Combined. J. A. Vigorito. 2,604,631, July 29
Rainwear. H. B. Ackerman, Jr., and B. C. Culbertson. 2,620,477, Dec. 9.
Raised printing apparatus. R. F. Berndt. 2,603,180, July 15
Raising and lowering facilities for deep well cooker heaters. W. D. Kelly. 2,615,118, Oct. 21.
Raising and lowering tops of motor vehicles. J. R. Stanfield 2,613,987, Oct. 14.
Raising and lowering mechanism for bulldozers. H. H. Washbond. 2,604,708, July 29
Rake. G. T. Tokunaga. 2,603,058, July 15.
Rake and stubble cleaner, Rotary. D. F. Winter. 2,588,599, Mar. 11.
Rake attachment, Corn. H. K. Marlin. 2,594,573, Apr. 29.
Rake attachment for tractors. O. M. Sinnett. 2,603,934, July 22.
Rake, Auto sweep. C. B. Richey. 2,592,824, Apr. 15.
Rake, Bamboo. K. Minami. 2,608,047, Aug. 26.
Rake, Broom. N. E. Brooke. 2,622,387, Dec. 23.
Rake, Broom. A. H. and L. A. Gundersen. 2,603,937, July 22.
Rake classifier and lubricating system therefor. C. H. Scott. 2,611,474, Sept. 23.
Rake, Dump. H. O. Gorton. 2,600,109, June 10.
Rake, Dump. H. J. McIntosh. 2,593,780, Apr. 22.
Rake, Fish. E. W. and J. E. Taylor. 2,603,521, July 15.
Rake, Lawn. A. J. Zeman. 2,587,424, Feb. 26.

Rake, Rotary side delivery. L. Crowe and R. M. Worrel. 2,602,280, July 8.
Rake, Self-cleaning garden. F. J. Wempe. 2,603,057, July 15.
Rake, Self-cleaning hand. J. A. Healy. 2,584,348, Feb. 5.
Rake, Side delivery. L. G. Curry. 2,605,599, Aug. 5.
Rake, Side delivery. L. G. Kopp. 2,621,466, Dec. 16.
Rake, Side delivery. R. B. Shore. 2,603,933, July 22.
Rake tooth mounting device. M. J. Happe and A. R. Redrow. 2,607,183, Aug. 19.
Rake, Tractor mounted sweep. H. M. Stueland. 2,598,944, June 3.
Rake, Tractor operated dump. R. D. Acton. 2,592,841, Apr. 15.
Rake, Twin reel side delivery. W. G. Spurlin. 2,597,828, May 20.
Rake, Twin side delivery. H. W. Riley and E. S. Harrison. 2,618,921, Nov. 25.
Raking and bundling machine. B. B. Hulzinga. 2,587,323, Feb. 26.
Ram packing element for blowout preventers. C. R. Neilon. 2,604,903, July 29.
Ramming mechanism for breech-loading guns. F. Ashworth and R. Heeley. 2,619,875, Dec. 2.
Ramp, Adjustable. G. B. Stone. 2,607,937, Aug. 26.
Ramp, Aircraft loading. R. C. Read and F. J. Gregor. 2,581,293, Jan. 1.
Ramp and the like, Adjustable loading. H. F. Snow. 2,585,695, Feb. 12.
Ramp for tire chain application, Adjustable. J. H. Rhoads and L. F. Horvath. 2,604,802, July 29.
Ramp, Vehicle. W. F. Wright. 2,587,265, Feb. 26.
Random color patterns, Producing. J. Adler. 2,615,270, Oct. 28.
Random frequency divider. E. M. Roschke. 2,588,413, Mar. 11.
Random impulse signal generator. T. H. Chambers. 2,607,896, Aug. 19.
Random-motion spray device. O. Cammann. 2,622,926, Dec. 23.
Random tool rack. T. E. Rodman. 2,587,226, Feb. 26.
Raney catalyst surface, Preparation of a. P. C. White. 2,583,619, Jan. 29.
Range and range top extension. G. W. Kamin and L. E. Wolske. 2,598,266, May 27.
Range cluster switch. W. R. Crawford. 2,612,133, Sept. 30.
Range, Coal-burning cooking. D. H. Wyatt. 2,594,109, Apr. 22.
Range control, Pressure. O. E. Watson. 2,609,833, Sept. 9.
Range finder adaptor. G. R. Peterson. 2,607,275, Aug. 19.
Range finder for cameras, Lens coupled. C. C. Smith. 2,584,818, Feb. 5.
Range height indicator. A. Longacre and E. C. Pollard. 2,597,348, May 20.
Range-height indicator. J. J. Malin. 2,585,950, Feb. 19.
Range heater and control. J. F. Young. 2,602,132, July 1.
Range light reflector shield. W. R. Crawford. 2,616,026, Oct. 28.
Range marker generator. C. W. Sherwin. 2,582,608, Jan. 15.
Range oven door and window construction. A. L. Rose. 2,582,458, Jan. 15.
Range, Sectional. S. F. Lachowicz. 2,612,590, Sept. 30.
Range tracking pulse echo system. R. L. Sink. 2,581,211, Jan. 1.
Range, Ventilated. B. A. Gillette. 2,586,023, Feb. 19.
Range, Ventilated. J. A. Nelson and F. J. Port. 2,595,480, May 6.
Ranging and identification system. W. N. Dean. 2,615,157, Oct. 21.
Rapid curing and low-pressure phenolformaldehyde resins. A. A. J. Sigtermans. 2,599,870, June 10.
Rapid developer trap. A. Mayer. 2,618,210, Nov. 18.
Rapid excavation machine. P. J. M. T. Allard. 2,621,816, Dec. 16.
Rapid fine-grained copper electrodeposition. F. F. Reisinger. 2,612,469, Sept. 30.
Rapid method of analyzing emulsions and fatty mineral oils. S. Spring and L. F. Peale. 2,606,818, Aug. 12.
Rapid operating poppet air valve. R. D. McLeod. 2,583,185, Jan. 22.
Rapid processing apparatus for photographic film. E. J. Maiwald Jr. 2,587,350, Feb. 26.
Rapid processing of photographic materials. G. Broughton and R. N. Woodward. 2,614,927, Oct. 21.
Rapid response direct current generator. R. P. L. M. David. 2,582,531, Jan. 15.
Rapidly adjustable press. C. V. McKenzie. 2,588,745, Mar. 11.
Rapidly hardening cast resins from phenol and formaldehyde and tension-free castings prepared therefrom, Preparation of. W. J. Taat and R. W. V. Korndorffer. 2,591,634, Apr. 1.
Rapidly hardening cast resins from phenol and formaldehyde and tension-free castings prepared therefrom, Preparation of. W. J. Taat and R. W. V. Korndorffer. 2,609,351, Sept. 2.
Raspberry picker. P. P. Kreisman, Jr. 2,586,834, Feb. 26.
Rathole digger. C. M. Jeffries and F. E. Scheig. 2,596,774, May 13.
Rat hole drill. R. E. Craine, Sr. 2,581,362, Jan. 8.
Rat or mouse trap. R. and D. Osborn. 2,610,431, Sept. 16.
Rattrap. R. O. Ferguson. 2,589,360, Mar. 18.
Rattrap. F. E. Rogers. 2,599,017, June 3.
Ratchet control mechanism. G. M. Walraven and R. G. Knudsen. 2,583,617, Jan. 29.
Ratchet gearing. A. Hoare. 2,586,040, Feb. 19.
Ratchet mechanism. G. E. Raynor. 2,595,213, Apr. 29.
Ratchet mechanism for wrenches, screw drivers, and the like. R. V. Browning and C. F. Badgley. 2,586,296, Feb. 19.
Ratchet mechanism, Reversible. C. I. Burdick. 2,583,544, Jan. 29.
Ratchet pawl mechanism for railway dump cars. G. B. Dorey. 2,602,403, July 8.
Ratchet structure, Roller type. O. G. Brown. 2,584,256, Feb. 5.
Ratchet wrench. G. W. MacCheyne. 2,608,119, Aug. 26.
Ratchet wrench. S. Yavner. 2,592,781, Apr. 15.
Ratchet wrench spinner. R. R. Hunt. 2,612,807, Oct. 7.
Ratcheting jaw for plier-type wrenches. J. Kelser. 2,584,353, Feb. 5.
Rate gyroscope. J. C. Miller. 2,581,965, Jan. 8.
Rate-of-pressure change controls for pressure cabins. N. C. Price. 2,620,719, Dec. 9.
Rate valve. W. A. Cox. 2,622,614, Dec. 23.
Ratio control for pressure cabins. J. B. Cooper and A. B. Jepson. 2,610,564, Sept. 16.
Ratio friction drive, Adjustable. E. Wildhaber. 2,591,753, Apr. 8.
Ratiometer, 300° directly driven. C. Geiser. 2,599,756, June 10.
Rattle, Child's. E. Nudelman. 2,618,899, Nov. 25.
Rayon from viscose with high elongation and spooling in centrifugal cups, Manufacture of. N. Drisch and R. Brepson. 2,591,243, Apr. 1.
Razor. A. Estrada. 2,598,243, May 27.
Razor. W. B. Tully. 2,612,685, Oct. 7.
Razor and blade dispenser therefor. P. Polynice. 2,587,380, Feb. 26.
Razor and haircutter, Combined safety. M. Verdi. 2,620,559, Dec. 9.
Razor and hair trimmer, Combination. J. A. O'Gatty. 2,588,033, Mar. 4.
Razor and protective casing, Safety. E. M. Biggs. 2,589,327, Mar. 18.
Razor assembly, Ribbon type. G. D. Jones. 2,591,702, Apr. 8.
Razor blade dispensing package. S. J. Gwoosh and C. E. Taylor. 2,592,138, Apr. 8.
Razor blade handle attachment. E. B. Miller. 2,599,407, June 3.
Razor blade holder. J. W. Clark. 2,596,372, May 13.
Razor blade holder. G. Guarino. 2,601,388, June 24.
Razor blade holder. J. W. Robinson. 2,612,438, Oct. 14.
Razor blade holder frame. J. A. Greene. 2,595,247, May 6.
Razor blade injector and disposal device. J. C. Fennelly. 2,601,601, June 24.
Razor blade magazine. E. J. Gray. 2,611,478, Sept. 23.
Razor blade magazine and receiver. A. Mix. 2,622,322, Dec. 23.
Razor blade, Safety. J. I. Pfefferle. 2,582,913, Jan. 15.
Razor blade, Scraper employing. T. Keller. 2,601,723, July 1.
Razor blade securing device. C. R. Bennett. 2,605,541, Aug. 5.
Razor blade sharpener. V. F. Stegner. 2,581,214, Jan. 1.
Razor blade sickle, Single-edge. A. Larson. 2,587,336, Feb. 26.
Razor, Combination straight and safety. C. J. Elliott. 2,602,992, July 15.
Razor, Hair trimming type. W. M. Mansfield. 2,612,684, Oct. 7.
Razor having shearhends with one end closer to each other than the other end. V. and W. Kobler. 2,611,175, Sept. 23.
Razor, Magazine type. N. D. Hall. 2,585,384, Feb. 12.
Razor, Magazine type. G. D. Jones. 2,601,718, July 1.
Razor, Mechanical. A. K. Peterson. 2,590,452, Mar. 25.
Razor, Motor-driven. B. J. Brander. 2,617,182, Nov. 11.
Razor, Repeating safety. R. G. Arey. 2,610,394, Sept. 16.
Razor, Rotary blade safety. E. C. Garrard and K. G. Harrold. 2,586,022, Feb. 19.
Razor, Rotary blade safety. E. C. Garrard and K. Harrold. 2,594,764, Apr. 29.
Razor, Rotary blade safety. E. C. Garrard and K. Harrold. 2,601,721, July 1.
Razor, Safety. C. Ackerman. 2,614,321, Oct. 21.
Razor, Safety. A. J. Bianchi. 2,598,104, May 27.
Razor, Safety. O. V. Burke. 2,613,436, Oct. 14.
Razor, Safety. O. H. Crowell. 2,588,211, Mar. 4.
Razor, Safety. K. Ellis and H. Woodward. 2,602,222, July 8.
Razor, Safety. E. Jacobsen. 2,593,306-7, Apr. 15.
Razor, Safety. M. Kaplan. 2,582,041, Jan. 8.
Razor, Safety. J. G. Leatherman. 2,583,057, Jan. 22.
Razor, Safety. F. J. Lewando. 2,623,279, Dec. 30.
Razor, Safety. J. Muros. 2,591,280, Apr. 1.

Razor, Safety. B. R. Nyhagen. 2,609,603, Sept. 9.
Razor, Safety. L. Patrignani. 2,600,318, June 10.
Razor, Safety. J. P. Rasmussen. 2,619,720, Dec. 2.
Razor, Safety. R. L. Stover. 2,582,176, Jan. 8.
Razor, Safety. J. de Swart. 2,603,860, July 22.
Razor, Safety. N. Testi. 2,592,488, Apr. 8.
Razor, Safety. N. Testi. 2,616,171, Nov. 4.
Razor, Safety. F. M. Tomlinson. 2,607,112, Aug. 19.
Razor, Self-sharpening safety. B. M. Ewing. 2,602,220, July 8.
Razor, Straight safety. F. Sherosky. 2,610,396, Sept. 16.
Razorstrop guard. D. W. Chamberlain. 2,590,289, Mar. 25.
Razor with adjustable blade. S. Koffler. 2,618,849, Nov. 25.
Razor with yieldably mounted blade guard, Vibrating safety. R. P. Harshberger. 2,609,602, Sept. 9.
Reactance tube circuit. C. W. Clapp. 2,590,753, Mar. 25.
Reacting ammonia and olefins. J. W. Teter and L. E. Olson. 2,623,061, Dec. 23.
Reacting an organic compound of aluminum and/or magnesium with a group IV halide to form a catalyst. J. P. West. 2,606,877, Aug. 12.
Reacting an organosilane, glycerine, and glycerine-dicarboxylic acid ester. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,341, Feb. 5.
Reacting azelaic dihydrazide with oxalic acid. S. B. McFarlane, Jr., and A. L. Miller. 2,615,862, Oct. 28.
Reacting gelatin with naphthyl isocyanates and resulting products. G. F. Frame. 2,592,263, Apr. 8.
Reacting methyl triacetoxy silane with polysiloxane resin. P. P. Peyrot and L. J. Dumoulin. 2,615,861, Oct. 28.
Reacting polysiloxane with glycerine and thereafter with dicarboxylic acid and product. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,343, Feb. 5.
Reacting polyvinylalcohol with urea phosphate. G. C. Daul and J. D. Reid. 2,609,360, Sept. 2.
Reacting siloxane-glycerine ester with acid ester of dicarboxylic acid and glycerine. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,342, Feb. 5.
Reacting siloxane with glycerine-dicarboxylic acid ester and thereafter with dicarboxylic acid. J. T. Goodwin, Jr. and M. J. Hunter. 2,584,344, Feb. 5.
Reaction apparatus. A. F. MacLean. 2,583,110, Jan. 22.
Reaction comparison apparatus. A. O. Hanson. 2,585,649, Feb. 12.
Reaction of carbon monoxide and hydrazine and product thereof. H. J. Sampson, Jr. 2,589,290, Mar. 18.
Reaction of glucopyranose polymers with substituted ammonium hydroxides. K. M. Gaver, E. P. Lasure and L. M. Thomas. Re. 23,528, July 29.
Reaction of limonene with carbon monoxide and hydrogen. C. Bordeuca and W. A. Lazier. 2,584,539, Feb. 5.
Reaction of olefins with $CF_2ClCFCl_2$. C. F. Feasley and W. A. Stover. 2,603,663, July 15.
Reaction of organosilane with glycerine-dicarboxylic acid ester and dicarboxylic acid. J. T. Goodwin, Jr., and M. J. Hunter. 2,584,340, Feb. 5.
Reaction of organosiliconhalides with organodithiols and diselenyl substituted organo compounds, and products thereof. F. P. Richter and B. A. Orkin. 2,590,039, Mar. 18.
Reaction of phosphorus halides with monoolefin-carbon monoxide copolymers. R. W. Upson. 2,599,501, June 3.
Reaction of polystyrene with an isocyanate. J. M. Butler. 2,617,790, Nov. 11.
Reaction of polyvinyl alcohol with boric acid. E. P. Czerwin and L. D. Martin. 2,607,765, Aug. 19.
Reaction of substituted sulfonamides with ketones and use of reaction product in rubber vulcanization. E. L. Carr. 2,581,936, Jan. 8.
Reaction product of an aliphatic amide and a phosphorus sulfide and lubricants containing the same. J. D. Bartleson. 2,614,075, Oct. 14.
Reaction product of diphenylolpropane diglycidyl ether with styrene-acrylic acid copolymers. G. H. Segall and J. F. C. Dixon. 2,604,464, July 22.
Reaction product of oleyl alcohol and aluminum chloride, Preparing. R. C. Harrington, Jr. 2,615,032, Oct. 21.
Reaction product of starch with glycolalkylolamine condensates for the sizing of textile warp strands. B. G. Zimmerman. 2,614,103, Oct. 14.
Reaction product of thiourea, and aldonic acid and zinc oxide. A. E. Chester. 2,615,030, Oct. 21.
Reaction products from an aldehyde, an aminotriazine and a mono-N-heterocyclic compound. M. J. Scott and E. F. Jackson. 2,600,698, June 17.
Reaction products of a polyethylene melamine and an alkyd resin. E. L. Kropa and H. P. Wohnsiedler. 2,582,704, Jan. 15.
Reaction products of alkylene oxides and synthetic polymeric carboxylic acids. R. B. Seymour. 2,607,761, Aug. 19.
Reaction products of an N-acyl polyimide of a polycarboxylic acid with a polymer containing hydroxy or amino radicals. P. J. Flory. 2,594,145, Apr. 22.
Reaction products of etherified aminotriazinealdehyde with alkali metal salts of sulfurous acid. F. A. Bonzagni. 2,603,623, July 15.
Reaction products of ingredients comprising a polyethylene melamine and an ethylene urea. H. P. Wohnsiedler, and E. L. Kropa. 2,582,614, Jan. 15.
Reaction products of nitriles. E. Zerner and M. W. Pollock. 2,615,887-9, Oct. 28.
Reaction products of nuclearly polyhalogenated quinonoid compounds and trialkyl phosphites and making same. E. C. Ladd and M. P. Harvey. 2,609,376, Sept. 2.
Reaction products of trichloromethane sulfonyl chloride with alkenyl aromatic compounds. E. C. Ladd and L. Y. Kiley. 2,606,213, Aug. 5.
Reaction products of unsaturated dicarboxylic acid derivatives with cyclopentadiene polymers. C. W. Rowland and A. G. Chenicek. 2,608,550, Aug. 26.
Reaction rate of an emulsion polymerization process. C. F. Fryling and A. E. Follett. 2,588,975, Mar. 11.
Reaction type valve. M. Caserta. 2,586,147, Feb. 19.
Reactivating alkali solutions used in treatment of hydrocarbon oils. J. Happel and S. P. Cauley. 2,599,449, June 3.
Reactivating bone-char and the like. E. D. Gillette and T. M. Brown. 2,616,858, Nov. 4.
Reactivation of a dehydrogenation catalyst. E. W. Pitzer. 2,585,033, Feb. 12.
Reactivation of an alumina-metal oxide catalyst. E. W. Pitzer. 2,605,235, July 29.
Reactivation of cuprous oxide oxidation catalysts. K. D. Detling and T. Skei. 2,608,585, Aug. 26.
Reactor. L. E. Sauer. 2,605,311, July 29.
Reactor assembly. C. F. Lauenstein. 2,588,018, Mar. 4.
Reactor-controlled electronic circuit. J. Stone, 4th. 2,614,242, Oct. 14.
Reactor furnace. F. S. White. 2,584,312, Feb. 5.
Readily dismemberable valve assembly for sanitary dispensation of fluid. G. A. Goepfrich. 2,619,986, Dec. 2.
Reading adjustment for an indicating instrument in hermetically sealed cases. J. F. Veevers and H. C. Turner. 2,587,668, Mar. 4.
Reading device, Bedside. C. F. Shepard. 2,590,657, Mar. 25.
Reading device for core orienting equipment. C. F. Johnson. 2,594,029, Apr. 22.
Reading pacer. G. F. J. Lehner, R. E. Brown and E. C. Burkhart. 2,605,558, Aug. 5.
Reading stand. E. C. Knops. 2,581,541, Jan. 8.
Reagent conditioning for electrostatic separation of minerals. F. Fraas. 2,593,431, Apr. 22.
Reamer and producing same. J. Y. Blazek. 2,582,524, Jan. 15.
Reamer for the rough ends of tubular members. W. H. Williams. 2,583,246, Jan. 22.
Reaming tool. V. E. Reese. 2,599,887, June 10.
Reaming tool with removable blades. J. E. Billingsley, Jr. 2,623,422, Dec. 30.
Rear axle arrangement for delivery trucks. A. W. Herrington. 2,598,166, May 27.
Rear axle suspension for motor vehicles of the rear engine type. R. C. Hoffman. 2,606,037, Aug. 5.
Rear fender accommodation of radiator for rear engine vehicles. R. Březek. 2,581,072, Jan. 1.
Rear projection screen unit for picture projections. J. L. Stableford. 2,617,328, Nov. 11.
Rear sight adjusting device for pistols. F. J. Keifer, Jr. 2,599,839, June 10.
Rear sight for firearms, Adjustable. E. M. Harvey. 2,585,933, Feb. 19.
Rear suspension of motor scooters. C. Guzzi. 2,618,494, Nov. 18.
Rearview mirror and adjustable support. O. J. Anderson. 2,620,708, Dec. 9.
Rearview mirror head. L. E. Jones. 2,606,048, Aug. 5.
Rearview mirror unit. G. P. Fuentes. 2,619,008, Nov. 25.
Rearwardly discharging tank type suction cleaner. O. L. Allen. 2,615,531, Oct. 28.
Rearrangement of saturated halocarbons. W. T. Miller and E. W. Fager. 2,598,411, May 27.
Rebalance measuring system, Oscillator-controlled. R. S. Medlock. 2,586,686, Feb. 19.
Rebalancing electromagnetic servo system. W. W. Shannon. 2,602,660, July 8.
Rebalancing servo system. W. W. Shannon. 2,596,732, May 13.
Rebound preventing means for differential actuators. W. A. Anderson. 2,615,622, Oct. 28.
Recapturing useful fuel from the exhaust gases of internal-combustion engines. B. Da Costa. 2,584,674, Feb. 5.
Receipt holder. E. C. Isaacson. 2,598,125, May 27.
Receiver and action assembly for firearms. T. R. Robinson, Jr. 2,611,204, Sept. 23.
Receiver and grip connection for autoloading pistols. W. B. Ruger. 2,585,275, Feb. 12.
Receiver circuit arrangement. J. J. Z. van Zelst and J. M. Cluwen. 2,622,191, Dec. 16.
Receiver for short waves. A. van Weel. 2,595,997, May 6.
Receiver for time modulated pulses. H. J. von Baeyer. 2,623,994, Dec. 30.
Receiver-indicator for radio navigation system of loran type. R. R. Freas, Jr. 2,607,033, Aug. 12.
Receiver transmitter. D. R. Young. 2,617,925, Nov. 11.
Receiver tube having movable screen with ionic crystal layer for light modulation. A. H. Rosenthal. 2,585,846, Feb. 12.

Receptacle: *See*—
Ash receptacle.
Bait receptacle.
Duplex electrical wall receptacle.
Expansible wall receptacle.
Face powder dispensing receptacle.
Fastener receptacle.
Fluid receptacle.
Hairpin receptacle.
Heat insulating receptacle.
Kitchen refuse receptacle.
Miniature cotton bale receptacle.
Parking meter collection receptacle.
Plug and receptacle.
Sectional receptacle.
Specimen receptacle.
Stackable receptacle.
Sun visor attachable receptacle.
Tobacco ash receptacle.
Waste receptacle.

Receptacle. J. E. Butler. 2,593,384, Apr. 15.
Receptacle. D. D. Eklund. 2,621,833, Dec. 16.
Receptacle. R. A. Lee. 2,609,919, Sept. 9.
Receptacle. R. N. Lyon, S. G. Bankoff, and F. J. Smetana. 2,621,912, Dec. 16.
Receptacle. D. W. Molins, F. F. Ruau, N. W. Jackson and C. G. Bruce. 2,614,703, Oct. 21.
Receptacle. N. M. Stone. 2,591,104, Apr. 1.
Receptacle and a hopper extending upwardly therefrom, both forming a stackable unit, Open-topped. T. Shaw. 2,582,207, Jan. 8.
Receptacle and dispenser, Wall. R. W. Ryan. 2,602,700, July 8.
Receptacle and making the same. S. S. Stevens. 2,590,221, Mar. 25.
Receptacle and wiper. J. F. McCarthy. 2,609,560, Sept. 9.
Receptacle assembly, Rotatable. E. H. Boddy. 2,605,160, July 29.
Receptacle back comb construction. C. Castelli. 2,619,973, Dec. 2.
Receptacle closure. G. W. Stockburger. 2,586,446, Feb. 19.
Receptacle cover. A. Ottesen. 2,601,937, July 1.
Receptacle filler. F. D. Chapman. 2,588,483, Mar. 11.
Receptacle filling machine. P. C. Beehler, Jr. 2,616,606, Nov. 4.
Receptacle filling machine. G. H. Daniels. 2,617,517, Nov. 11.
Receptacle filling mechanism. R. H. Alexander and C. Spicer. 2,581,898, Jan. 8.
Receptacle filling nozzle with filling and vent valves. R. E. Bodendoerfer, D. C. Fee, and H. C. Frentsel. 2,620,113, Dec. 2.
Receptacle for cigarette ash trays, Closed. O. H. Bock. 2,593,836, Apr. 22.
Receptacle for coins and the like. R. A. Colliton. 2,597,227, May 20.
Receptacle for dental plates. M. E. O'Sullivan. 2,617,519, Nov. 11.
Receptacle for disk-like objects, Rotary storage. F. K. Martini. 2,581,547, Jan. 8.
Receptacle for drive-in banks, Depository. H. R. Wickes, C. Bintz, H. A. Kretschmer, and G. C. Kendall. 2,591,901, Apr. 8.
Receptacle for ligature tubes, Sterilizing. R. B. Harkness and E. E. Lacey. 2,585,312, Feb. 12.
Receptacle for lipstick holders and lipsticks. V. E. Calhoun. 2,610,732, Sept. 16.
Receptacle for separating dust from an air stream, Self-sealing. G. E. Lofgren. 2,596,808, May 13.
Receptacle for storing and dispensing nested drinking cups. L. R. Tansley. 2,606,087, Aug. 5.
Receptacle for tableware and the like. M. I. Naken. 2,594,483, Apr. 29.
Receptacle holder for electric drink mixers. L. Myers. 2,585,822, Feb. 12.
Recess mounting for valves and fittings for liquefied petroleum gas containers. E. K. Cadwell. 2,609,964, Sept. 9.
Recessed head fastener. H. F. Phipard, Jr. 2,592,462, Apr. 8.
Recessing tool. F. A. Maxwell. 2,601,541, June 24.
Rechipper with vibrating trough. E. I. Flateboe. 2,582,537, Jan. 15.
Recipe card holder for stoves. H. M. Reeves. 2,592,467, Apr. 8.
Reciprocable windshield wiper blade mounting. R. J. O'Connor. 2,591,091, Apr 1.
Reciprocal integrator gearing. C. F. Schaefer. 2,584,230, Feb. 5.
Reciprocating blade for carry-type scraper. G. R. McIntosh. 2,619,748, Dec. 2.
Reciprocating bucky diaphragm. C. K. Gleringer and R. Duckering. 2,591,536, Apr. 1.
Reciprocating element operating device. R. M. Baldwin. 2,599,151, June 3.
Reciprocating hearth mechanism. W. R. Gilbert. 2,600,401, June 17.
Reciprocating machine. R. J. Champayne. 2,620,775, Dec. 9.
Reciprocating piston type fluid motor. E. E. Sivacek. 2,604,879, July 29.
Reciprocating pump. J. R. Lowry. 2,591,951, Apr. 8.
Reciprocating pump. W. Paterson. 2,619,907, Dec. 2.
Reciprocating pump. E. F. Wright and A. G. Rockwood. 2,609,756, Sept. 9.
Reciprocating ram pump. J. M. and F. H. Towler. 2,604,855, July 29.
Reciprocating tool actuating device. A. A. Hutchins. 2,618,242, Nov. 18.
Reciprocating type fluid operable motor. A. Kromhout. 2,607,323, Aug. 19.
Reciprocating valve. C. G. A. Johnson, Jr. 2,585,556, Feb. 12.
Reciprocating web feed. A. J. Hagopian. 2,611,609, Sept. 23.
Reciprocative electromagnetic tool. H. D., M. R., and W. A. Andreae. 2,602,475, July 8.
Reciprocatory sheet feed device for collators. L. M. Walden and N. G. Hernblad. 2,588,946, Mar. 11.
Recirculating air heater. E. L. Schofield and B. C. Davis. 2,623,735, Dec. 30.
Recirculation filter. E. Crane. 2,614,696, Oct. 21.
Reclaiming mixtures of vulcanized natural rubber and synthetic rubber scraps. W. G. Kirby and L. B. Steinle. 2,612,479, Sept. 30.
Reclaiming rubber. J. C. Elgin. 2,593,279, Apr. 15.
Reclaiming rubber with bis(trialkyl phenol)sulfides. H. E. Albert. 2,605,241, July 29.
Reclining article of furniture. A. Lorenz. 2,615,498, Oct. 28.
Reclining article of furniture. A. Lorenz and J. Luckhardt. 2,615,496, Oct. 28.
Reclining article of furniture. J. Luckhardt. 2,615,497, Oct. 28.
Reclining chair. J. M. Jensen. 2,616,483, Nov. 4.
Reclining chair. W. M. Lewallen. 2,595,590, May 6.
Reclining chair. F. J. Piotraschke. 2,618,313, Nov. 18.
Reclining self-adjusting chair. L. L. and L. H. McKinney. 2,611,419, Sept. 23.
Reclosing circuit breaker. J. M. Wallace. 2,611,053, Sept. 16.
Recognition system. O. L. Wilkins. 2,602,160, July 1.
Recoil amplifier device. A. F. C. Henckel. 2,585,775, Feb. 12.
Recoil-controlled ammunition feeding means for guns. W. Summerbell. 2,588,429, Mar. 11.
Recoiling closure for shelters against heavy explosions. J. Mesnager. 2,604,072, July 29.
Recoilless gun. C. N. Hickman. 2,598,256, May 27.
Reconditioning and charging batteries. R. L. Briggs, Jr. 2,619,624, Nov. 25.
Reconstruction of glyceride oils. H. H. Mueller. 2,585,027, Feb. 12.
Record adapter. P. K. Bridenbaugh and F. A. Jansen 2,585,622, Feb. 12.
Record album. F. H. Rice. 2,600,023, June 10.
Record card controlled code converter. R. H. Halvorsen. 2,604,538, July 22.
Record card sensing and analyzing means. J. W. Bryce and R. T. Blakely. 2,603,151, July 15.
Record card sorting device. J. Samain. 2,618,386, Nov. 18.
Record card verifying machine. E. W. Gardinor, R. E. Cheney, and L. T. Bleuer. 2,615,333, Oct. 28.
Record changer. F. Freimann, C. Hart, and A. L. Knox, Sr. 2,594,633, Apr. 29.
Record changer. V. G. Klein and C. H. Mueller. 2,601,301, June 24.
Record changer. G. H. Leonard. 2,617,655, Nov. 11.
Record changer spindle. A. L. Knox. 2,621,932, Dec. 16.
Record changer spindle. W. Miller and J. L. D. Morrison. 2,615,720, Oct. 28.
Record changing apparatus. R. A. Mullaney, K. Emde, and H. H. Steglich. 2,622,885, Dec. 23.
Record changing device for phonographs. H. F. Maurer. 2,616,706, Nov. 4.
Record changing mechanism. Joseph and John Erwood. 2,616,702, Nov. 4.
Record changing mechanism. H. C. Hansen. 2,604,325, July 22.
Record chip removal apparatus. C. L. Frederick 2,582,939, Jan. 15.
Record controlled accounting device. L. Gross and E Bailey. 2,580,763, Jan. 1.
Record controlled machine. J. D. Hood. 2,605,899, Aug. 5.
Record controlled machine. C. D. Lake and B. M. Durfee. 2,615,569, Oct. 28.
Record controlled machine combination. J. E. Dayger, O. B. Shafer, E. R. Wooding, J. M. Sarley, and J. V. Williams, Jr. 2,615,629, Oct. 28.
Record controlled multiplying machine. I. Ghertman and E. Febvre. 2,605,964, Aug. 5.
Record controlled recording apparatus. E. J. Rabenda. 2,620,878, Dec. 9.
Record controlled statistical machine. N. G. Holden. 2,601,787, July 1.
Record controlling means for accounting machines. R. A. Christian, J. R. Ganger, and H. F. Lang. 2,597,973, May 27.
Record device. H. P. Rilea. 2,584,228, Feb. 5.
Record feeding and analyzing apparatus. H. P. Luhn. 2,615,626, Oct. 28.
Record feeding device. A. P. Taylor. 2,580,861, Jan. 1.
Record holder for wrist wear, Identification and itinerary. B. Anderson. 2,599,311, June 3.
Record magazine. F. H. Owens. 2,610,904, Sept. 16.
Record, Magnetic sound. T. H. and T. G. Mann. Re. 23,602, Dec. 23.
Record marker for dictating machines. F. E. Runge. 2,611,620, Sept. 23.
Record player. J., and E. Robinson. 2,614,844, Oct. 21.

Record selector for phonographs. K. A. B. Pettersson. 2,620,193, Dec. 2.
Record sensing means. K. Koon. 2,583,179, Jan. 22.
Record sorting machine. B. E. Phelps and J. D. Hood. 2,602,544, July 8.
Recorder. M. Alden. 2,621,999, Dec. 16.
Recorder. M. L. Jeffrey. 2,617,706, Nov. 11.
Recorder. H. B. Vroom. 2,612,428, Sept. 30.
Recorder, Altitude and distance. M. Wallace. 2,609,532, Sept. 2.
Recorder, Autographic. F. Barvitius. 2,614,902, Oct. 21.
Recorder, Automatic impedance. L. W. Wilson. 2,611,005, Sept. 16.
Recorder, Automatic voice. R. M. Cain. 2,614,846, Oct. 21.
Recorder bar suspension for facsimile recorders. M. Alden. 2,611,677, Sept. 23.
Recorder, Borehole temperature. H. J. Eastman. 2,598,520, May 27.
Recorder, Cycle time. J. D. Heide and J. E. Feldman. 2,612,430, Sept. 30.
Recorder, Elapsed time. R. L. Lorens. 2,591,448, Apr. 1.
Recorder, Electronic stress-strain. B. Schlachman. 2,593,493, Apr. 22.
Recorder, Facsimile. F. A. Hester. 2,592,567, Apr. 15.
Recorder, Facsimile. R. J. Wise. 2,622,957, Dec. 23.
Recorder, Field strength. O. H. Schmitt. 2,602,884, July 8.
Recorder, Filtrability. P. L. Boucher and N. A. F. Rowntree. 2,599,742, June 10.
Recorder, Fluid pressure. J. A. Moosman. 2,602,331, July 8.
Recorder for antisubmarine attack training, Sono-optical. W. K. Lyon and R. M. Sherwood. 2,590,878, Apr. 1.
Recorder for torpedo controls, Motion. R. H. Marshall. 2,586,840, Feb. 26.
Recorder, Game. L. Heinoo. 2,592,897, Apr. 15.
Recorder head. F. W. Roberts and F. L. Franz. 2,588,327, Mar. 4.
Recorder, Interaction. E. D. Chapple. 2,609,618, Sept. 9.
Recorder, Magnetic. R. Gray and R. Ellis. 2,616,982, Nov. 4.
Recorder, Magnetic. J. B. Shickel. 2,620,405, Dec. 2.
Recorder, Magnetic. T. D. Thad. 2,615,989, Oct. 28.
Recorder, Phone call. W. F. Weyrauch. 2,615,093, Oct. 21.
Recorder, Portable sound film. M. E. Collins. 2,611,551, Sept. 23.
Recorder, Quantity. J. V. L. Hogan. 2,587,319, Feb. 26.
Recorder, Scanning. H. A. Stamper, B. G. Blackman and D. O. Nelson. 2,614,903, Oct. 21.
Recorder, Sensitive moving chart graphic. T. A. Rich. 2,606,092, Aug. 5.
Recorder, Survey. D. W. Galloway, Jr. 2,612,431, Sept. 30.
Recorder, Tamperproof. K. A. Cool and R. W. Slates. 2,616,778, Nov. 4.
Recorder, Telegraphic facsimile. E. T. Both. 2,590,294, Mar. 25.
Recorder, Topographical range. V. D. Grondona. 2,618,067, Nov. 18.
Recorder, Torpedo motion. T. W. Thornton. 2,580,485, Jan. 1.
Recorder, Vehicle operation. R. C. Moffitt and C. C. Cheif. 2,584,149, Feb. 5.
Recorder, Velocity. J. Brown. 2,613,125, Oct. 7.
Recorder, Voice and visual. B. D. Gille. 2,590,956, Apr. 1.
Recorder, Wire. C. B. Dale. 2,596,536, May 13.
Recorder, Wire. C. B. Dale. 2,614,845, Oct. 21.
Recorder with coin release mechanism, Mailable magazine type. A. C. Nielsen. 2,593,593, Apr. 22.
Recorder with pressure shoe for record members, Magnetic. M. Camras. 2,603,721, July 15.
Recorder with self-renewing electrode, Electrolytic. A. F. Deuth. 2,615,777, Oct. 28.
Recorder with sliding coils, Graphic. A. W. Niemann. 2,581,133, Jan. 1.
Recorder with sound-controlled stylus feed, Sound. G. K. Graham. 2,611,038, Sept. 16.
Recorders, Automatic gas. J. Cooper and H. H. Thomas. 2,622,015, Dec. 16.
Recording. A. Wolf. 2,617,947, Nov. 11.
Recording and accounting apparatus. J. J. Ackell and H. L. Paulding. 2,600,952, June 17.
Recording and controlling systems. V. L. Parsegian and S. Swedlow. 2,592,179, Apr. 8.
Recording and including resonant vibratory aspects. D. R. Yarnall and J. W. Williams, 3rd. 2,600,822, June 17.
Recording and reproducing device, Tape and disk.. M. Camras. 2,611,618, Sept. 23.
Recording and reproducing machine, Sound-on-film. J. M. Kuhlik. 2,586,666, Feb. 19.
Recording and reproducing of sound. A. Karolus, E. Hamburger, and A. Henry. 2,617,891, Nov. 11.
Recording and reproducing system, Magnetic. J. R. Anderson and A. C. Keller. 2,612,566, Sept. 30.
Recording annunciator. H. J. Elliott. 2,599,702, June 10.
Recording apparatus. W. V. Brown. 2,606,808, Aug. 12.
Recording apparatus. R. E. Reason. 2,606,093, Aug. 5.
Recording apparatus. J. Walker. 2,598,950, June 3.
Recording apparatus for recording gas concentrations in the atmosphere. A. O. Beckman and J. D. McCullough. 2,613,126, Oct. 7.
Recording apparatus, Magnetic. H. H. Davis. 2,610,808, Sept. 16.
Recording counter for article dispensers. M. M. Hennessy and H. J. Lawrence. 2,619,283, Nov. 25.
Recording device. A. F. Bischoff and K. L. Boring. 2,596,118, May 13.
Recording device. L. A. Kille. 2,599,392, June 3.
Recording device. W. H. Rymes. 2,623,116, Dec. 23.
Recording device, Magnetic. C. J. van Loon, C. de Koning, and M. de Vroome. 2,596,621, May 13.
Recording head for facsimile reproduction and the like. C. W. Jacob. 2,614,901, Oct. 21.
Recording in colors. Electrical. A. N. Goldsmith. 2,609,440, Sept. 2.
Recording instrument and equipment. W. H. V. Clarke and T. S. Parramore. 2,614,900, Oct. 21.
Recording instrument for electrocardiographs, Electrical. J. Lukacs. 2,590,554, Mar. 25.
Recording of telephone numbers, Automatic. R. F. Stehlik. 2,613,274, Oct. 7.
Recording system. J. M. Brady. 2,601,247, June 24.
Recording system. C. A. Heiland. 2,580,427, Jan. 1.
Recording system. R. F. Mallina. 2,617,704, Nov. 11.
Recording system. R. K. Potter. 2,595,701, May 6.
Recording system for automatic telephony, Automatic call. R. F. Stehlik. 2,613,275, Oct. 7.
Recording system, High-level. E. G. Cook. 2,603,720, July 15.
Recording system, Stock. A. Adler. 2,592,100, Apr. 8.
Recording tape, Abrasion-resistant magnetic. A. F. Schmelzle and E. E. Eastwold. 2,607,710, Aug. 19.
Recording tide current meter. W. K. Lyon. 2,592,583, Apr. 15.
Recording torsion pendulum. L. E. Nielsen. 2,593,389, Apr. 15.
Recording vibrational data, Method and apparatus for. E. G. Perry, Jr. 2,582,793, Jan. 15.
Recording wire. H. W. Cobb. 2,598,760, June 3.
Recovering a desired soluble salt from a solid mixture containing same. L. D. Anderson. 2,613,133, Oct. 7.
Recovering acid and benzol from benzol washing residues. C. Otto. 2,611,739, Sept. 23.
Recovering antimony trichloride from hydrocarbon extract phase. J. F. Deters. 2,605,211, July 29.
Recovering concentrates of vanadium and/or uranium from raw materials. N. H. Brundin. 2,587,286, Feb. 26.
Recovering condensible material from vaporous mixtures. W. K. Lewis. 2,607,440, Aug. 19.
Recovering desirable liquefiable hydrocarbons. H. M. Nelly, Jr. 2,582,148, Jan. 8.
Recovering gallium from metallic aluminum. F. C. Frary. 2,598,777, June 3.
Recovering gas suspended liquid-soluble material, Method and apparatus for. H. A. Wintermute. 2,614,651, Oct. 21.
Recovering gaseous hydrocarbons. J. L. Maher and C. O. Meyers. 2,614,658, Oct. 21.
Recovering germ oil. M. M. Rosten. 2,615,029, Oct. 21.
Recovering heat and chemicals from the residual liquor resulting from the digestion of cellulosic fibrous material. G. H. Tomlinson and G. H. Tomlinson, II. 2,593,503, Apr. 22.
Recovering hydrogen sulfide from sulfide containing soda liquors obtained in cellulose production. N. V. Mannbro. 2,611,682, Sept. 23.
Recovering liquefiable hydrocarbons from gases. P. H. Deming. 2,601,599, June 24.
Recovering magnesia. R. A. Schoenlaub. 2,587,656, Mar. 4.
Recovering magnesium alloy from composite scrapped metal objects. J. K. Haney, R. M. Hunter, and M. O. Robinson. 2,620,269, Dec. 2.
Recovering oil from castor beans or the like. J. W. Dunning. 2,618,643, Nov. 18.
Recovering oil from the solvent cleaning or scouring of raw wool or wool fabric. R. E. Derby. 2,607,786, Aug. 19.
Recovering or separating valuable nutrients in flour milling. C. R. Jones, J. Thomlinson and N. L. Kent. 2,608,297, Aug. 26.
Recovering oysters. S. G. Harris. 2,608,716, Sept. 2.
Recovering selective solvents. W. V. Stearns. 2,593,931, Apr. 22.
Recovering suspended materials from gases from flash roasting of zinc sulfide ores. C. W. J. Hedberg and H. L. Richardson. 2,602,734, July 8.
Recovering temporary loop-sustaining filling weft from loop pile fabrics, Method of and apparatus for. W. R. Keen and W. R. Hewton. 2,591,166, Apr. 1.
Recovering tin in the form of tin sulfide from a low-grade unreduced tin ore. I. E. Muskat and R. H. Taylor. 2,585,161, Feb. 12.
Recovering valuable components from oil bearing seeds, and products therefrom. W. G. H. Forstmann, G. Hillmann, and E. M. H. Radde. 2,615,905, Oct. 28.
Recovery and purification of propionaldehyde. T. Q. Eliot. 2,617,756, Nov. 11.
Recovery and utilization of olefins from gases. F. J. Moore, H. V. Hess, and R. K. Gould. 2,617,839, Nov. 11.

Recovery of acid values from petroleum refining sulfuric acid sludges. H. Miley. 2,587,640, Mar. 4.
Recovery of alcohols from hydrocarbon oils. S. G. Gallo. 2,610,977, Sept. 16.
Recovery of alkylation sludge acids. N. Titlestad. 2,588,331, Mar. 4.
Recovery of ammonium sulfate. E. V. Schulte. 2,595,104, Apr. 29.
Recovery of bacitracin. M. Senkus and P. C. Markunas. 2,609,324, Sept. 2.
Recovery of carbon black from suspension in a gas. M. O. Kilpatrick. 2,585,659, Feb. 12.
Recovery of carbon dioxide. C. C. Van Nuys. 2,585,288, Feb. 12
Recovery of catalyst from hydrogenated oil. C. E. Morris and F. P. Khym. 2,602,807, July 8.
Recovery of deashed oil and naphthenic acids from residuum stocks. E. M. Honeycutt. 2,600,537, June 17.
Recovery of drying oils from HF-hydrocarbon complexes. R. J. Lee and P. D. May. 2,614,132, Oct. 14.
Recovery of elemental sulfur. S. L. Nevins and J. S. Gilham, Jr 2,603,464, July 15.
Recovery of feed products from stillage by refermentation. C. S. Boruff, L. Stone, J. C. Bauernfeind, and J. C. Garey. 2,595,827, May 6.
Recovery of gallium from alkali metal aluminate solutions. R. W. Brown. 2,582,377, Jan. 15.
Recovery of glycerides from tank settlings. M. M. Durkee. 2,601,375, June 24.
Recovery of glycerol from fermentation residues. H. M. Hodge. 2,620,295, Dec. 2.
Recovery of high boiling alcohols by activated alumina. W. G. Hockberger. 2,610,497, Nov. 25.
Recovery of high-molecular weight polymers from hydrocarbon solutions. D. C. Walsh, Jr. 2,581,155, Jan. 1.
Recovery of indium values as indium arsenate. J. L. Hart. 2,586,649, Feb. 19.
Recovery of lactose from mother liquor. W. J. Pratt, H. F. Seibert, and R. C. Stribley. 2,584,158, Feb. 5.
Recovery of liquid fuel from solidified fuel. K. A. Fischer and O. F. Hecht. 2,610,952, Sept. 16.
Recovery of metallic minerals from phosphate-silica ores containing minor amounts of the metallic minerals. J. E. Lawver. 2,614,692, Oct. 21.
Recovery of N butanol from butadiene residue. L. W. Royer and R. L. Iverson. 2,606,211, Aug. 5.
Recovery of nicotinic acid by solvent extraction. M. S. Larrison. 2,622,085, Dec. 16.
Recovery of nitrated kerosene. R. A. Shurter. 2,597,755, May 20.
Recovery of nitrogenous and other compounds. R. J. Brown, A. R. Nees, and A. N. Bennett. 2,586,295, Feb. 19.
Recovery of oil and meal from oil-bearing marine life. W. C. Davis. 2,614,110, Oct. 14.
Recovery of oil from wells. E. R. Brownscombe. 2,609,051, Sept. 2.
Recovery of olefin hydrocarbons. G. C. Ray. 2,589,960, Mar. 18.
Recovery of organic acids. W. P. Burton and E. Solomon. 2,590,087, Mar. 25.
Recovery of osmium as osmium tetraoxide. G. A. Stein, H. C. Vogel, and R. G. Valerio. 2,610,907, Sept. 16.
Recovery of phthalocyanine coloring matters. G. Barnhart. 2,602,800, July 8.
Recovery of powdered catalyst. J. W. Jewell. 2,615,785, Oct. 28.
Recovery of precious metals from photographic baths. H. O. Willier. 2,615,839, Oct. 28.
Recovery of protein from whey. M. E. Hull. 2,595,459, May 6.
Recovery of protein from wool and other keratinous materials. E. C. Koerner, H. Ehrhardt, F. R. Haigh, and J. Kirchhof. 2,591,945, Apr. 8.
Recovery of radioactive phosphorus from neutron irradiated sulfur. J. G. MacIlutchin and L. C. Watson. 2,621,110, Dec. 9
Recovery of resins from coal. E. Klepetko, P. D. Kaye, and L. J. Hartzell, Jr. 2,591,830, Apr. 8.
Recovery of rubberlike polymer from a latex. J. E. Troyan. 2,615,010, Oct. 21.
Recovery of SO_2. H. A. Edge. 2,589,684, Mar. 18.
Recovery of sterols. H. G. Kirschenbauer. 2,598,269, May 27.
Recovery of sterols. M. Mattikow and D. Perlman. 2,585,954, Feb. 19.
Recovery of sulfur compounds from petroleum. R. E. Barleau. 2,584,248, Feb. 5.
Recovery of tar acids and bases from hydrocarbon oils. E. W. Doughty, J. V. Murray, Jr., and J. D. Fales. 2,595,516, May 6.
Recovery of tetraalkyllead compounds. S. M. Blitzer and O. M. Brown. 2,622,093, Dec. 16.
Recovery of unsaponifiables from concentrates containing the same. A. I. Gebhart. 2,610,195, Sept. 9.
Recovery of valuable constituents from waste sulfite liquor. H. Ehrensperger. 2,594,302, Apr. 29.
Recovery of valuable products from pentaerythritol mother liquor. W. O. Snelling. 2,617,791, Nov. 11.
Recovery of values from waste cantaloupe. G. R. Van Atta. 2,617,728, Nov. 11.
Recovery of vanadium-free chromate. T. S. Perrin and J. N. Jenkins. 2,583,591, Jan. 29.
Recovery of vanadium-free chromate and aluminate. T. S. Perrin and R. G. Banner. 2,612,435, Sept. 30.
Recovery of vegetable protein. S. Rowe. 2,589,867, Mar. 18.
Recovery of vitamin B_{12} from liver. N. G. Brink and T. R. Wood. 2,609,325, Sept. 2.
Recovery of xylidines. S. F. Birch, F. A. Fidler and R. A. Dean. 2,615,047, Oct. 21.
Recovery of zinc values by selective flotation of sulfide ores. W. A. Bates. 2,594,612, Apr. 29.
Recrystallizing deep-drawing steel. F. N. Darmara. 2,597,979, May 27.
Rectal irrigator. M. H. Kowan. 2,583,298, Jan. 22.
Rectangular framework clamp. J. D. Nash. 2,619,136, Nov. 25.
Rectangular wave form inverter. L. S. Distin and C. V. Wilman. 2,612,631, Sept. 30.
Rectification apparatus. P. L. Kapitza. 2,593,763, Apr. 22.
Rectification apparatus. W. W. Paget. 2,586,989, Feb. 26.
Rectifier and making it. J. H. Scaff and H. C. Theuerer. 2,602,211, July 8.
Rectifier and making it. J. H. Scaff and H. C. Theuerer. 2,603,692, July 15.
Rectifier assembly. J. H. Hall. 2,623,104, Dec. 23.
Rectifier assembly, Metal. E. A. Harty. 2,586,539, Feb. 19.
Rectifier assembly of the dry disk type. R. H. Blair. 2,601,240, June 24.
Rectifier bridge, Metal. G. G. Hyde. 2,597,000, May 20.
Rectifier connection. H. Öfverholm and H. Forssell. 2,588,155, Mar. 4.
Rectifier cooling arrangement. R. C. Crossley. 2,590,748, June 10.
Rectifying apparatus. S. C. Collins. 2,610,046, Sept. 9.
Rectifying installation. H. A. W. Klinkhamer. 2,600,249, June 10.
Rectilinear fluid shock absorber. B. E. O'Connor and R. E. Henrich. 2,589,282, Mar. 18.
Recuperative autothermic reactor. R. M. Deanesly and C. H. Watkins. 2,622,969, Dec. 23.
Red iron oxide, Making. P. J. Atkins and J. B. Peel. 2,618,532, Nov. 18.
Red iron oxide pigments, Production of. J. B. Peel and S. E. Scrimshaw. 2,618,571, Nov. 18.
Redispersing a precipitated silica sol. G. B. Alexander and R. K. Iler. 2,605,228, July 29.
Reducing amplitude distortion in cathode-follower amplifiers. N. B. Saunders. 2,592,193, Apr. 8.
Reducing bulging of crusher jaw face-plates. R. V. Baker. 2,609,154, Sept. 2.
Reducing corrosion in wells. H. T. Kennedy and W. F. Rogers. 2,581,540, Jan. 8.
Reducing cuprous oxide contings to produce patterns or designs, and baths for use in the process. J. E. Stareck. 2,616,841, Nov. 4.
Reducing heat transfer along shafts. V. Ivanoff. 2,601,146, June 17.
Reducing local action in lead acid storage batteries. H. P. Murphy. 2,582,845, Jan. 15.
Reducing metal oxides. P. E. Cavanagh. 2,587,113, Feb. 26.
Reducing metal powders. H. C. Miller. 2,621,137, Dec. 9.
Reducing noise in the transmission of electric signals, Method and system for. H. H. Scott. 2,606,971, Aug. 12.
Reducing noises in refrigeration systems. S. F. Shawhan. 2,590,731, Mar. 25.
Reducing ores, Method and apparatus. T. Swann. 2,603,561, July 15.
Reducing ores without melting. B. M. S. Kalling. 2,593,398, Apr. 22.
Reducing organic compounds by hydrogenation. E. De Bartholomaeis and V. De Nora. 2,597,074, May 20.
Reducing propeller vibrational effects. M. C. Brady. 2,581,625, Jan. 8.
Reducing the corrosion of ferrous metals by ammoniacal solution and corrosion inhibitor therefor. M. D. Barnes, B. L. Embrey, and R. E. Koons. 2,613,131, Oct. 7.
Reducing the crystallinity of native fibrous cellulosic material. K. Ward, Jr., C. M. Conrad, and L. Segal. 2,580,491, Jan. 1.
Reducing the mercaptan content of petroleum distillates with a hydroperoxide. W. W. Johnstone. 2,593,761, Apr. 22.
Reducing the viscosity and gel strength of oil base drilling fluid. D. L. Wilson. 2,604,448, July 22.
Reducing weak spots in calendered film. J. W. Kay. 2,608,717, Sept. 2.
Reduction and refining of ferrous ores in one continuous operation. W. E. Dudley. 2,594,298, Apr. 29.
Reduction and sintering of bodies containing reducible metal compounds. S. I. Hulthen and M. H. A. Tikkanen. 2,598,796, June 3.
Reduction gear box. G. H. Schaffer. 2,581,973, Jan. 8.
Reduction gearing. A. H. King. 2,603,107, July 15.
Reduction of CO_2-containing gases. J. L. Stalhed and J. A. B. Ödberg. 2,607,667, Aug. 19.
Reduction of carbonyl compounds. I. Wender and M. Orchin. 2,614,107, Oct. 14.

Reduction of corrosion in solvent dewaxing plants. R. L. Greene. 2,608,518, Aug. 26.
Reduction of 11-ketosteroids. J. H. Hunter and R. B. Moffett. 2,615,903, Oct. 28.
Reduction of esters, etholides, glycerides. P. Anglaret. 2,608,589, Aug. 26.
Reduction of esters, etholides, glycerides. P. Anglaret. 2,612,527, Sept. 30.
Reduction of iron ore to magnetite. T. D. Heath. 2,596,954, May 13.
Reduction of iron ores and the like by carbon. R. Nissim. 2,581,597, Jan. 8.
Reduction of metal oxides by gases. A. T. Stuart. 2,609,288, Sept. 2.
Reduction of oxydivaleronitrile. K. Alexander and L. E. Schniepp. 2,584,970, Feb. 12.
Reduction of oxygenated thiophene compounds. I. Wender and M. Orchin 2,587,671, Mar. 4.
Reduction of steroid epoxides. P. Plattner. 2,599,481, June 3.
Reduction of the powders of the oxides of iron or iron alloys. G. Berge. 2,606,110, Aug. 5.
Reduction of the swelling index of regenerated cellulose fibers by steam under pressure. N. Drisch and A. Bonnet. 2,608,460, Aug. 26.
Reed for electrical musical instruments. R. J. M. C. Langlois. 2,581,963, Jan. 8.
Reed for loom lay, Reciprocating. F. F. Sutherland. 2,587,009, Feb. 26.
Reed for musical instruments. J. West and J. Brooksbank. 2,620,702, Dec. 9.
Reed for musical instruments, Ballasted. R. Seybold. 2,599,135, June 3.
Reed for wind instruments. A. Montenare. 2,599,574, June 10.
Reed guard and portable holder for woodwind reeds. R. J. Maier. 2,604,978, July 29.
Reed hat leather trimming machine. N. G. Tucker. 2,588,999, Mar. 11.
Reed holder. M. S. Korshak. 2,589,821, Mar. 18.
Reed support. T. Hindle. 2,600,536, June 17.
Reel: See—
- Acetylene welding reel.
- Adjustable self-transporting thread store reel.
- Antibacklash reel.
- Automatic fly reel.
- Automatic take-up reel.
- Bait casting reel.
- Balance reel.
- Belt type spinning reel.
- Cable reel.
- Casting reel.
- Clothesline reel.
- Combination spinning and casting fishing reel.
- Developing reel.
- Electric cable reel.
- Electric cord reel.
- End casting and retrieving reel.
- Filament storing and advancing reel.
- Film developing reel.
- Fishing line oiling, greasing, and drying reel.
- Fishing line reel.
- Fishing reel.
- Fly rod reel.
- Fly rod spinning reel.
- Hose reel.
- Hydraulic centering reel.
- Kite string reel.
- Level wind reel.
- Line drier reel.
- Line drying and storage reel.
- Material-selecting reel.
- Measuring fish wire reel.
- Multiple stage processing reel.
- Multiple stage thread processing reel.
- Pay-off reel.
- Spinning reel.
- Spinning-type reel.
- Stationary spool reel.
- Stock reel.
- Thread-advancing reel.
- Trolling reel.
- Web winder reel.

Reel. W. H. Bellah. 2,587,432, Feb. 26.
Reel. A. A. Bureau. 2,589,048, Mar. 11.
Reel. M. Camras. 2,591,052, Apr. 1.
Reel. W. P. Dalrymple. 2,584,559, Feb. 5.
Reel. H. C. Howsam. 2,609,162, Sept. 2.
Reel. C. A. Litzler. 2,585,948, Feb. 19.
Reel. C. A. Litzler. 2,605,536, Aug. 5.
Reel. W. McCaskle. 2,582,597, Jan. 15.
Reel. F. B. Morrill and D. S. Warner. 2,597,839, May 20.
Reel. P. L. Pendleton. 2,606,357, Aug. 12.
Reel and adapter therefor. A. Barsam, Jr. 2,615,643, Oct. 28.
Reel and drum therefor. H. C. Howsam. 2,605,058, July 29.
Reel chuck cradle for stranding machines. C. O. Bruestle. 2,593,838, Apr. 22.
Reel control system. W. D. King and A. J. Winchester, Jr. 2,594,035, Apr. 22.
Reel control system. A. J. Winchester, Jr., and W. D. King. 2,590,666, Mar. 25.
Reel cover. T. R. Sourek. 2,618,880, Nov. 25.
Reel drive mechanism for motion-picture film reels. L. A. McNabb. 2,607,545, Aug. 19.
Reel driving device. P. L. Hoover and D. A. Brunton. 2,584,453, Feb. 5.
Reel for coiling sheet metal strips. R. Disler. 2,615,646, Oct. 28.
Reel for extensible antennas. R. J. Nagel. 2,621,863, Dec. 16.
Reel for fishing leaders and the like, Dispensing. A. C. Johnson, H. B. Collins and O. H. Johnson. 2,585,327, Feb. 12.
Reel for fluid treatment of filamentary materials. B. W. Stanley and W. B. Lowe. 2,582,293, Jan. 15.
Reel for motion-picture films. T. Faulkner and R. D. Whitmore. 2,605,057, July 29.
Reel for Steckel mills, Coiling. H. Klouman and C. Nygren. 2,589,093, Mar. 11.
Reel for supporting wire coils. J. W. Pratt. 2,583,667, Jan. 29.
Reel for washing, Water-powered. J. Young. 2,607,360, Aug. 19.
Reel for wire stitching machines. A. F. Fischer. 2,580,749, Jan. 1.
Reel holder bracket and reel for embroidery machines. J. Snarek and H. Lester. 2,580,966, Jan. 1.
Reel locator. W. V. Smith. 2,622,335, Dec. 23.
Reel mechanism. J. J. Pelouch. 2,610,810, Sept. 16.
Reel motor control system. A. W. Kimball and E. F. Albert. 2,583,148, Jan. 22.
Reel seat for fishing rods. L. A. Bean. 2,592,109, Apr. 8.
Reel stop and drive. W. A. Brastad. 2,622,812, Dec. 23.
Reel support structure for multiple marker devices. H. W. Gilbert. 2,591,694, Apr. 8.
Reeling and feeding device. F. G. Henry. 2,598,540, May 27.
Reeling device. V. I. Dudley. 2,589,235, Mar. 18.
Reeling device. L. Nixon. 2,594,484, Apr. 29.
Reeling mechanism. H. H. Vanderzee. 2,593,367, Apr. 15.
Reeling system for reelable magnetic records. E. E. Masterson. 2,623,702, Dec. 30.
Reference marker indicating system for echo ranging devices, Adjustable. M. S. McVay and J. H. Greig. 2,603,778, July 15.
Refining aluminum. K. H. Pedersen and H. J. Bauck. 2,621,120, Dec. 9.
Refining carbonaceous material. H. Hoog. 2,608,521, Aug. 26.
Refining chemical pulp. T. Norta and Y. Sivola. 2,593,173, Apr. 15.
Refining chloral. W. T. Cave, J. H. Alexander, and J. A. McCoubrey. 2,606,864, Aug. 12.
Refining crude inositol-containing solutions and for recovering inositol therefrom. N. E. Artz and W. Hach. 2,615,053, Oct. 21.
Refining gasoline and petroleum oils with aqueous antimony trichloride. G R Bond, Jr. 2,588,346, Mar. 11.
Refining glyceride oil in a liquid paraffinic solvent with a concentrated alcoholic alkali metal hydroxide solution. A. L. Ayers. 2,614,111, Oct. 14.
Refining high sulfur crude oils. W. A. Slater. 2,600,931, June 17.
Refining kerosenes and gas oil by ternary azeotropic distillation. G. B. Arnold and L. Kovach. 2,600,184, June 10.
Refining kerosenes and gas oil by ternary azeotropic distillation with furfural and water. G. B. Arnold and L. Kovach. 2,600,182, June 10.
Refining lubricating oil. B. C. Benedict. 2,590,490, Mar. 25.
Refining molten metal. W. T. Geyer. 2,611,693, Sept. 23.
Refining of glyceride oils. B. Clayton. 2,607,788, Aug. 19.
Refining of liquid or semiliquid carbonaceous materials. G. E. Phillips. 2,623,843, Dec. 30.
Refining of petrolatum. T. W. Pratt. 2,616,830, Nov. 4.
Refining of shale oil. J. R. Smith and G. U. Dinneen. 2,606,143, Aug. 5.
Refining of synthetic hydrocarbon mixtures. R. V. Shankland, S. E. Shields, and E. W. Thiele. 2,581,560, Jan. 8.
Refining of vegetable wax powder. E. A. Wilder and E. S. McLoud. 2,605,900, Aug. 5.
Refining of wax. P. S. Backlund and P. L. Polizzotto. 2,586,198, Feb. 19.
Refining organic acid esters containing free acids. L. L. Weil and P. Tusa. 2,583,193, Jan. 22.
Refining process and apparatus. H. C. Reed, C. H. O. Berg and C. B. Leffert. 2,614,067, Oct. 14.
Refining soybean lecithin. H. O. Renner. 2,599,016, June 3.
Refining Trinidad Lake asphalt. H. C. Howell. 2,594,929, Apr. 29.
Refining vessel. H. C. Glitsch. 2,611,457, Sept. 23.
Refining wax. J. J. Naugle. 2,617,815, Nov. 11.
Refining zinc ore. R. F. Orr and G. T. Junkin. 2,612,441, Sept. 30.
Reflecting measuring device with dual sensitivity. G. E. R. Murray and B. J. Wilson. 2,615,367, Oct. 28.
Reflecting signal glove. C. C. McGaugh. 2,581,549, Jan. 8.
Reflecting surface bonded to a film. W. R. Goehner. 2,595,670, May 6.
Reflection interference filter. K. F. Tripp. 2,590,906, Apr. 1.
Reflection seismic exploration. A. Wolf. 2,580,636, Jan. 1.
Reflective mask for television cabinet fronts. J. K. Rose. 2,598,072, May 27.
Reflector and light, Rotatably mounted. M. J. Singer. 2,595,011, Apr. 29.
Reflector apparatus for miners' lamps. G. Wheat. 2,611,073, Sept. 16.
Reflector arrangement for sewing machine illuminating systems. M. J. Singer. 2,623,157, Dec. 23.
Reflector, Foldable. A. Wagner. 2,586,583, Feb. 19.
Reflector for controlling at a predetermined angle direct and reflected rays from a light source. S. McCandless. 2,591,661, Apr. 1.

Reflector mounting means. H. T. Olson. 2,623,436, Dec. 30.
Reflex action measuring device. U. Torricelli. 2,619,956, Dec. 2.
Reflex camera optical system, including telephoto lens and telescope finder. L. F. Barcus. 2,604,832, July 29.
Reflex klystron electron-discharge device. B. C. Gardner. 2,587,136, Feb. 26.
Reflex light reflector. K. W. Fisher and H. Heltzer. 2,592,882, Apr. 15.
Reflex-reflector lens elements. W. R. Beck. 2,610,922, Sept. 16.
Reflex sighting device, including folding cover sections. A. R. Cornut. 2,622,497, Dec. 23.
Reflex superregenerative receiver. J. C. Tellier. 2,589,455, Mar. 18.
Reforming hydrocarbon gases in the presence of a magnesia catalyst. C. S. Lynch. 2,593,584, Apr. 22.
Re-forming naphtha stocks. R. A. Sanford and B. S. Friedman. 2,592,603, Apr. 15.
Reforming naphtha with activated carbon catalyst. C. E. Adams and C. N. Kimberlin, Jr. 2,587,425, Feb. 26.
Reforming natural gas to produce hydrogen and carbon monoxide synthesis gas. B. J. Mayland. 2,622,089, Dec. 16.
Reforming of naphtha hydrocarbons, Process and apparatus for the. J. C. Munday and E. W. S. Nicholson. 2,602,771, July 8.
Reforming process and catalyst therefor. V. Haensel. 2,611,736, Sept. 23.
Refractometer. O. Barstow. 2,624,014, Dec. 30.
Refractometer, Differential. L. G. Glasser. 2,612,814, Oct. 7.
Refractometer with temperature compensating means. P. Rosenthal, M. L. Polanyi, and N. Gottlieb. 2,601,128, June 17.
Refractory. L. W. Coffer. 2,622,304, Dec. 23.
Refractory articles and making. A. H. Heyroth. 2,614,947, Oct. 21.
Refractory articles, Manufacture of. R. Lecuir. 2,584,475, Feb. 5.
Refractory body. J. M. Lepp and J. A. Slyh. 2,599,185, June 3.
Refractory compositions. S. Rusoff. 2,614,050, Oct. 14.
Refractory insulating brick and manufacture. W. L. Stafford. 2,613,153, Oct. 7.
Refractory material and making the same. A. W. Vettel. 2,616,150, Nov. 4.
Refractory siliceous material and products thereof or therewith obtained, Production of. P. Ciferri. 2,617,736, Nov. 11.
Refrigerant attachment for cartons. G. D. Wheeler and J. H. Reilly. 2,609,670, Sept. 9.
Refrigerant condenser. C. D. Harris. 2,621,490, Dec. 16.
Refrigerant evaporator. L. A. Philipp. 2,619,811, Dec. 2.
Refrigerant evaporator. J. O. Wade. 2,591,109, Apr. 1.
Refrigerant plate. H. A. Goldberg. 2,602,649, July 8.
Refrigerant separator and dehydrator. J. K. Touborg. 2,589,457, Mar. 18.
Refrigerated case. R. C. Hilker. 2,612,761, Oct. 7.
Refrigerated case with forced circulation of air. E. Bockmeyer. 2,590,496, Mar. 25.
Refrigerated cube grid. C. L. Oldfather. 2,606,428, Aug. 12.
Refrigerated display case. J. E. Kimsey. 2,592,038, Apr. 8.
Refrigerated display tank. L. J. McGrath. 2,594,474, Apr. 29.
Refrigerated dough mixer. A. W. Ruff. 2,595,298, May 6.
Refrigerated liquid storage tank. F. J. Zamboni. 2,594,603, Apr. 29.
Refrigerated milk delivery vehicles. P. Krohnert. 2,581,867, Jan. 8.
Refrigerated package. E. J. Francis. 2,618,937, Nov. 25.
Refrigerated sales display kit. R. E. Petty. 2,614,397, Oct. 21.
Refrigerated transportation unit. F. E. Gilmore. 2,603,070, July 15.
Refrigerating apparatus. L. Coleman. 2,621,491, Dec. 16.
Refrigerating apparatus. C. C. Coons. 2,597,779, May 20.
Refrigerating apparatus. R. S. Gaugler. 2,596,021, May 6.
Refrigerating apparatus. W. Giffard. 2,614,021, Oct. 14.
Refrigerating apparatus. G. S. McCloy. 2,608,834, Sept. 2.
Refrigerating apparatus. L. A. Philipp. 2,613,509, Oct. 14.
Refrigerating apparatus. R. M. Smith. 2,618,430, Nov. 18.
Refrigerating apparatus. J. E. Woods. 2,608,832, Sept. 2.
Refrigerating apparatus for freezing food. L. A. De More. 2,615,309, Oct. 28.
Refrigerating apparatus, Mechanical. R. G. Briscoe. 2,610,480, Sept. 16.
Refrigerating apparatus of the intermittent absorption type. S. G. Wiechers. 2,622,413, Dec. 23.
Refrigerating apparatus, Portable. J. B. Maxwell. 2,610,472, Sept. 16.
Refrigerating assembly for mobile equipment. L. R. Burr. 2,585,087, Feb. 12.
Refrigerating machine or heat pump unit of the multiple compression type. T. Brandin. 2,586,454, Feb. 19.
Refrigerating machine, Unitized centrifugal. N. B. Wales. 2,609,672, Sept. 9.
Refrigerating package. W. Evans. 2,619,801, Dec. 2.
Refrigerating plant. C. Thorwid. 2,595,995, May 6.
Refrigerating system. J. A. Ratcliff. 2,581,044, Jan. 1.
Refrigerating system for motor vehicles. A. C. Ratermann. 2,614,396, Oct. 21.
Refrigerating system for trailers. D. W. Tiffany. 2,584,242, Feb. 5.
Refrigerating system, Two-temperature. L. W. Atchison. 2,604,761, July 29.
Refrigerating system, Two-temperature. H. H. Bixler. 2,622,407, Dec. 23.
Refrigerating system, Two-temperature. C. S. Grimshaw. 2,622,405, Dec. 23.
Refrigerating system with downwardly evaporating secondary circuit. W. G. Nolcken. 2,617,271, Nov. 11.
Refrigeration. G. C. Demetrak. 2,593,736, Apr. 22.
Refrigeration. C. E. Ploeger. 2,612,030, Sept. 30.
Refrigeration. E. L. Schulz and E. A. Bailey. 2,614,393, Oct. 21.
Refrigeration and carbonation unit. R. E. Parks. 2,612,357, Sept. 30.
Refrigeration apparatus for motor vehicles. H. O. Kirkpatrick. 2,608,066, Aug. 26.
Refrigeration compressor. A. Remclow. 2,622,788, Dec. 23.
Refrigeration control apparatus. W. L. Huntington. 2,583,178, Jan. 22.
Refrigeration control apparatus. V. C. Patterson. 2,581,330, Jan. 1.
Refrigeration control device. F. M. Jones. 2,581,956, Jan. 8.
Refrigeration dehydrator. E. W. Bottum. 2,623,607, Dec. 30.
Refrigeration machine, Absorption. A. A. Berestneff. 2,583,722, Jan. 29.
Refrigeration of fish. E. A. H. Kjorstad. 2,616,811, Nov. 4.
Refrigeration plate with defrosting means. H. W. Kleist. 2,607,203, Aug. 19.
Refrigeration system, Multiple temperature. S. M. Bäckström. 2,585,008, Feb. 19.
Refrigeration system, Variable output. W. E. Davis. 2,603,954, July 22.
Refrigeration system with multiple stage ejector. H. A. Burggrabe. 2,605,618, Aug. 5.
Refrigeration system with refrigerant cleaning means. F. M. Pottenger, Jr. 2,618,132, Nov. 18.
Refrigeration unit for cooling air, Compact. H. J. Lange. 2,610,484, Sept. 16.
Refrigerator. E. T. Morton. 2,613,510, Oct. 14.
Refrigerator. A. J. Pedigo. 2,591,862, Apr. 8.
Refrigerator. C. C. White. 2,596,316, May 13.
Refrigerator and control mechanism therefor. G. A. Brace. 2,596,523, May 13.
Refrigerator and cover therefor, Top access. B. Roberts. 2,614,401, Oct. 21.
Refrigerator and its construction. C. D. Hopkins. 2,617,551, Nov. 11.
Refrigerator and stove. S. O. Morrison. 2,597,745, May 20.
Refrigerator and walk-in storage compartment, Combination. R. W. Rivette. 2,601,634, June 24.
Refrigerator cabinet. L. A. Anderson and J. J. Slattery. 2,581,618, Jan. 8.
Refrigerator cabinet. E. H. Boddy. 2,601,241, June 24.
Refrigerator cabinet. C. E. H. Frykdahl. 2,582,882, Jan. 15.
Refrigerator cabinet. G. C. Harbison. 2,603,548, July 15.
Refrigerator cabinet. R. A. King. 2,613,838, Oct. 14.
Refrigerator cabinet. M. Laguzzi. 2,584,886, Feb. 5.
Refrigerator cabinet. J. S. Palmer. 2,618,527, Nov. 18.
Refrigerator cabinet construction. H. W. Eagles. 2,622,754, Dec 23.
Refrigerator cabinet having means to improve temperature distribution. J. A. Pletsch. 2,621,489, Dec. 16.
Refrigerator cabinet latch strike. L. S. Cooper. 2,622,911, Dec. 23.
Refrigerator, Collapsible cabinet. J. B. Replogle. 2,605,617, Aug. 5.
Refrigerator, Combination dairy, vegetable, and storage. V. P. Warren, II. 2,593,370, Apr. 15.
Refrigerator compressor. F. Berry. 2,596,640, May 13.
Refrigerator compressor cooling arrangement. E. F. Hubacker and G. J. Fleck. 2,597,243, May 20.
Refrigerator condenser coil assembly. H. G. Dickman. 2,610,039, Sept. 9.
Refrigerator construction. H. M. Ingram. 2,598,917, June 3.
Refrigerator construction. B. C. Johnson. 2,602,305, July 8.
Refrigerator construction. R. E. Travis. 2,588,944, Mar. 11.
Refrigerator construction, Two-temperature. R. W. Ayres. 2,606,424, Aug. 12.
Refrigerator control. H. H. Bixler. 2,586,506, Feb. 19.
Refrigerator defrost product disposal system. J. E. Cochran. 2,592,394, Apr. 8.
Refrigerator defrosting timer. D. Morrison. 2,617,900, Nov. 11.
Refrigerator display cabinet. P. Chovenec. 2,610,473, Sept. 16.

Refrigerator door. L. A. Philipp. 2,591,003, Apr. 1.
Refrigerator door butter compartment. M. J. Schrader and D. E. Cooke. 2,612,029, Sept. 30.
Refrigerator door construction. R. Saunders. 2,623,248, Dec. 30.
Refrigerator door construction. J. A. Semple. 2,612,661, Oct. 7.
Refrigerator door locking and opening mechanism. P. H. Brinkoeter. 2,613,973, Oct. 14.
Refrigerator door or lid. C. H. Kafer. 2,620,520, Dec. 9.
Refrigerator door or lid. C. H. Kafer. 2,622,284, Dec. 23.
Refrigerator drip disposal. C. T. Ashby, W. A. Kuensli, and C. A. Miller. 2,617,268, Nov. 11.
Refrigerator, Dual temperature. L. A. Staebler. 2,622,412, Dec. 23.
Refrigerator embodying compact arrangement of air-cooled parts. W. G. Kogel. 2,598,703, June 3.
Refrigerator having an evaporator provided with a movable section. M. G. Shoemaker and E. W. Zearfoss, Jr. 2,597,267, May 20.
Refrigerator having multiple temperature cooling elements. G. A. Grubb and P. A. Backteman. 2,598,737, June 3.
Refrigerator having provisions for reducing heat transfer therein. N. E. Widell. 2,619,804, Dec. 2.
Refrigerator, Multiple temperature. E. T. Morton. 2,586,853, Feb. 26.
Refrigerator, Multiple temperature household. G. A. Grubb and P. A. Backteman. 2,608,835, Sept. 2.
Refrigerator of the absorption type. N. E. Widell. 2,598,736, June 3.
Refrigerator, Open top frozen food. P. H. Brinkoeter. 2,613,508, Oct. 14.
Refrigerator, Open top frozen food. R. E. Pabst. 2,613,507, Oct. 14.
Refrigerator partition structure. E. Swedman. 2,615,592, Oct. 28.
Refrigerator, Portable. M. F. Knoy. 2,592,712, Apr. 15.
Refrigerator, Portable. P. Maniscalco. 2,596,037, May 6.
Refrigerator, Portable electric. T. E. Kalhoefer. 2,603,071, July 15.
Refrigerator pump. L. J. Daniel. 2,623,365, Dec. 30.
Refrigerator, Rotary shelf. R. M. Paul. 2,588,563, Mar. 11.
Refrigerator shelf. W. E. Richard. 2,613,818, Oct. 14.
Refrigerator shelf trim strip. A. H. Burrise. 2,599,607, June 10.
Refrigerator shelf with guide tracks. N. J. Creedon. 2,581,363, Jan. 8.
Refrigerator having freezer and storage compartments with separate controls. A. E. Knapp. 2,594,036, Apr. 22.
Refrigerator, Two-decker dairy self-service. R. E. Pabst. 2,594,066, Apr. 22.
Refrigerator, Two temperature. G. K. Iwashita. 2,589,549–51, Mar. 18.
Refrigerator, Two-temperature. G. K. Iwashita. 2,610,479, Sept. 16.
Refrigerator vehicle body, Insulated. P. R. Schnabel. 2,612,028, Sept. 30.
Refrigerator with open-mesh produce containers, Cold wall. C. E. Hartman. 2,586,225, Feb. 19.
Refueling apparatus, Aircraft flight. R. L. Williams, A. F. Lammers, and H. W. Zipp. 2,596,455, May 13.
Refuse box cover construction. F. H. Stoner. 2,594,233, Apr. 22.
Refuse can supoprt. A. H. Gravos and P. J. Ivy. 2,609,103, Sept. 2.
Refuse palm oil refining. V. K. Babayan. 2,587,954, Mar. 4.
Refuse vehicle. H. J. Van Doorne. 2,592,085, Apr. 8.
Refuse vehicles. C. K. Edwards. 2,606,674, Aug. 12.
Regenerable desiccator. E. F. Seaman. 2,595,306, May 6.
Regenerated cellulose pellets. J. J. O'Neill, Jr., and E. P. Reichardt. 2,593,786, Apr. 22.
Regenerating a fluidized catalyst, Method and apparatus for. W. A. Wurth, H. Z. Martin, and C. E. Jahnig. 2,619,473, Nov. 25.
Regenerating a spent cooking liquor resulting from the digestion of a cellulose-lignin complex. A. M. Thomsen. 2,618,610, Nov. 18.
Regenerating activated carbon loaded with adsorbed gold. J. B. Zadra. 2,588,450, Mar. 11.
Regenerating an aqueous alkali metal hydroxide solution. D. C. Bond 2,583,136, Jan. 22.
Regenerating anion exchange materials and composition therefor. W. Juda and M. Carron. 2,599,558, June 10.
Regeneration and preconditioning of a methanethiol synthesis catalyst. R. T. Bell. 2,592,646, Apr. 15.
Regeneration of a carbonized Fischer-Tropsch catalyst. A. H. Friedman. 2,605,234, July 29.
Regeneration of a fixed-bed Fischer-Tropsch catalyst. J. C. Easly and H. L. Kellner. 2,609,345, Sept. 2.
Regeneration of a moving bed catalyst at a uniform burning rate. J. A. Crowley, Jr. 2,592,121, Apr. 8.
Regeneration of alkaline solutions used in the removal of sulphur contaminants from hydrocarbon oils. J. Happel and S. P. Cauley. 2,606,099, Aug. 5.
Regeneration of catalyst. J. P. Hogan and A. H. Friedman. 2,608,568, Aug. 26.
Regeneration of chromic acid baths utilized in electrodeposition of chromium. G. Sagen. 2,600,171, June 10.
Regeneration of exhausted silver bleach solutions by means of N-bromo compounds. A. H. Brunner, Jr., and R. H. Zappert. 2,611,700, Sept. 23.
Regeneration of exhausted silver bleaching solutions. R. H. Zappert. 2,611,699, Sept. 23.
Regeneration of Fischer-Tropsch catalyst. H. Z. Martin and I. Mayer. 2,582,713, Jan. 15.
Regeneration of fluidized catalyst. L. S. Kassel. 2,581,670, Jan. 8.
Regeneration of fluidized iron oxide catalyst. W. W. Odell. 2,620,313, Dec. 2.
Regeneration of spent doctor solutions. R. M. Love. 2,605,165, July 29.
Regeneration of spent iron and sulfuric acid pickle liquors. N. Swindin. 2,616,790, Nov. 4.
Regeneration system, Continuous. H. Wolcott, Jr. 2,597,693, May 20.
Regenerative aluminum chloride process. K. K. Kearby. 2,623,009, Dec. 23.
Regenerative frequency shifting and pulse shaping circuit. C. C. Cutler. 2,593,113, Apr. 15.
Regenerative furnace of the pebble bed type. A. C. Peck and W. S. Thompson. 2,612,364, Sept. 30.
Regenerative heat exchanger. A. T. Bowden and P. Kolb. 2,615,685, Oct. 28.
Regenerative pulse generator. C. C. Cutler. 2,617,930, Nov. 11.
Regenerative repeater. R. M. M. Oberman and A. Snijders. 2,599,345, June 3.
Regenerative tracking apparatus. J. H. Lancor, Jr. 2,590,875, Apr. 1.
Regenerator. F. L. van Weenen, G. W. Rathenau, and A. Koelewijn. 2,616,668, Nov. 4.
Regenerator and packing therefor. R. F. Benenati and H. F. Buschow. 2,602,645, July 8.
Regenerator for the recovery of the cold content of gases. H. F. Buschow and P. C. Keith. 2,585,912, Feb. 19.
Regenerator packing construction. R. L. Hasche. 2,622,864, Dec. 23.
Register. C. H. H. Rodanet. 2,596,044, May 6.
Register, Add-subtract. G. C. Ellerbeck. 2,602,585, July 8.
Register, Air. H. R. Geary. 2,593,133, Apr. 15.
Register and the like, Autographic. F. E. Lanegan and P. Maguire. 2,584,212, Feb. 5.
Register, Autographic. A. W. Metzner. 2,619,365, Nov. 25.
Register, Autographic. A. W. Metzner and A. J. Kozul. 2,619,366, Nov. 25.
Register, Autographic. H. G. Nyman. 2,586,175, Feb. 19.
Register circuit. T. L. Dimond. 2,582,480, Jan. 15.
Register control of coin return. J. W. Dehn. 2,616,974, Nov. 4.
Register control system. H. F. McKenney and G. A. Lieske. 2,609,197, Sept. 2.
Register control system for web cutting mechanisms. R. A. Beuerman. 2,599,430, June 3.
Register for tiltable handles, Gravity-operated. D. W. Atherton. 2,600,604, June 17.
Register for wall heaters. K. L. Bedell and J. H. Hollingsworth. 2,621,580, Dec. 16.
Register, Hot-air. B. Levin. 2,587,633, Mar. 4.
Register, Pocket autographic. M. J. Uline. 2,617,666, Nov. 11.
Register resetting means. H. Gang. 2,617,594, Nov. 11.
Register-sender for automatic telephony. R. F. Stehlik. 2,588,685, Mar. 11.
Register, Stepping. L. R. Harper. 2,580,771, Jan. 1.
Register, Tamperproof pocket autographic. M. J. Uline. 2,622,898, Dec. 23.
Register transfer mechanism. F. W. Pfleger. 2,613,033, Oct. 7.
Registering and assembling unit for films and mounts therefor. Y. H. Kurkjian. 2,596,253, May 13.
Registering apparatus. A. J. Hammel. 2,605,920, Aug. 5.
Registering arrangement for article dispensing systems. P. L. Law. 2,608,348, Aug. 26.
Registering color plates. G. C. Murphy. 2,614,491, Oct. 21.
Registering device for counting the operations of oscillatory machine elements. E. W. Rich. 2,613,873, Oct. 14.
Registering multicolor printing plates. R. R. Myers, Jr. 2,580,576, Jan. 1.
Registration device for wrapping machines. T. Jensen. 2,611,224, Sept. 23.
Registration monitoring. A. V. Bedford. 2,594,382–3, Apr. 29.
Regulated direct voltage power supply. P. J. H. Janssen. 2,591,942, Apr. 8.
Regulated high-voltage supply. G. L. Grundmann. 2,598,909, June 3.
Regulated power supply. W. R. Ayres and H. J. Woll. 2,612,632, Sept. 30.
Regulated power supply. K. Singer. 2,593,066, Apr. 15.
Regulated rectifier. H. M. Huge. 2,611,889, Sept. 23.
Regulated rectifier. J. A. Potter. 2,606,314, Aug. 5.
Regulated rectifying apparatus. W. H. Bixby. 2,604,618, July 22.
Regulating apparatus. B. H. Hamilton and H. H. Spencer. 2,619,631, Nov. 25.
Regulating apparatus. W. O. Osbon. 2,583,153, Jan. 22.
Regulating apparatus, J. R. Stone. 2,619,630, Nov. 25.

Regulating device. A. Garbaccio. 2,602,582, July 8.
Regulating device for gas radiators. M. C. Carbonaro. 2,620,132, Dec. 2.
Regulating device for varying the amount of working medium in hot-gas engines. F. L. van Weenen. 2,616,243, Nov. 4.
Regulating means for liquid fuel supply systems of prime movers or other apparatus. T. A. Harris. 2,588,522, Mar. 11.
Regulating stroke of fluid-pressure apparatus. J. H. Starr. 2,614,537, Oct. 21.
Regulating system. W. H. Cuttino. 2,605,456, July 29.
Regulating system. C. L. Mershon. 2,586,368, Feb. 19.
Regulating system. J. L. Wolff, Jr., and D. F. Aldrich. 2,617,973, Nov. 11.
Regulating the size and form of solder pellets. Method and apparatus for. W. C. Stammer and C. R. Breden. 2,601,642, June 24.
Regulating valve. F. S. Gussick. 2,583,383, Feb. 12.
Regulation of alignment of fluid supply with respect to gas turbine blades in accordance with turbine speed. R. M. Nardone. 2,609,661, Sept. 9.
Regulation of direct current sources for the supply of electric receivers. G. Villebonnet. Re. 23,531, July 29.
Regulation of direct-current sources for the supply of electric receivers. G. Villebonnet. 2,586,748, Feb. 19.
Regulator: See—
Aircraft breathing oxygen regulator.
Aircraft cabin pressure regulator.
Automatic flow regulator.
Bail out demand regulator.
Cable tension regulator.
Combined manual and automatic window regulator.
Constant current regulator.
Current regulator.
Diaphragm type of pressure regulator.
Draft regulator.
Electrical regulator.
Electronic voltage regulator.
Finger type circuit regulator.
Flow regulator.
Fluid actuated regulator.
Fluid pressure regulator.
Fluid regulator.
Furnace draft regulator.
Gas pressure regulator.
Gaseous flow regulator.
Generator regulator.
High-voltage regulator.
Hopper door regulator.
Induction voltage regulator.
Liquid flow regulator.
Manually adjustable pressure regulator.
Multiple drive window regulator.
Outflow regulator.
Oxygen transfer regulator.
Piano keyboard regulator.
Pressure breathing demand oxygen regulator.
Pressure regulator.
Pressure responsive regulator.
Sealed seat draft regulator.
Voltage and frequency regulator.
Voltage regulator.
Regulator. O. L. Garretson. 2,590,396, Mar. 25.
Regulator. W. G. Neild. 2,594,977, Apr. 29.
Regulator adjusting mechanism. G. L. Hammon. 2,597,479, May 20.
Regulator and valve structure thereof, Fluid pressure. F. Meyer, Jr. 2,581,429, Jan. 8.
Regulator construction. M. Favret. 2,604,754, July 29.
Regulator for battery-charging system, Voltage. R. J. Aust. 2,593,241, Apr. 15.
Regulator for electron tube actuated oscillation testing machines, Automatic amplitude. M. Russenberger. 2,602,326, July 8.
Regulator for grinding and polishing machines, Automatic gauge. W. K. Lowe. 2,590,717, Mar. 25.
Regulator for overload release devices, Automatic starting. C. A. Hennessy. 2,624,032, Dec. 30.
Regulator for photomultiplier tubes, Sensitivity. H. L. Glick. 2,583,143, Jan. 22.
Regulator for pulp and paper stocks, Automatic consistency. E. A. Poirier. 2,587,760, Mar. 4.
Regulator for stokers, Air volume. J. A. Wilson and J. H. Hansen. 2,609,834, Sept. 9.
Regulator for supercharged aircraft engines, Fuel flow. D. Schmitt. 2,593,802, Apr. 22.
Regulator for telephone ringers, Sound. G. P. Reilly. 2,599,198, June 3.
Regulator for turbojet engines, Differential fuel. E. C. Hartley. 2,590,312, Mar. 25.
Regulator incorporating piled up carbon elements, Electric. M. Musso. 2,581,280, Jan. 1.
Regulator utilizing short time constant derivative transformers, Electric. D. J. Sikorra. 2,603,770, July 15.
Regulator valve. G. L. Hammon. 2,597,478, May 20.
Regulator with manual and temperature responsive means to select fuel-air ratio, Gas turbine fuel. P. W. Wyckoff. 2,599,507, June 3.
Regulator with saturable core. S. E. Hedström. 2,596,685, May 13.
Reheater control for turbine apparatus. O. N. Bryant. 2,586,510–11, Feb. 19.
Reignition means for combustion heaters. T. S. Briskin. 2,585,221, Feb. 12.
Reinforced and protectively coated unit lumber package and forming the same. J. E. Stewart. 2,584,241, Feb. 5.
Reinforced brake lining and making same. C. S. Batchelor, H. J. Cofek, and F. S. Walker. 2,604,425, July 22.
Reinforced central tunnel for X-member of chassis frame. W. G. Hess. 2,609,217, Sept. 2.
Reinforced concrete column, bracket, and beam joint. L. Clarlini. 2,618,146, Nov. 18.
Reinforced concrete pipe. W. A. Whiting. 2,602,469, July 8.
Reinforced door of wood and/or insulation material. J. B. Een. 2,614,295, Oct. 21.
Reinforced friction element. E. D. Shippee. 2,619,442, Nov. 25.
Reinforced friction facing. R. T. Halstead, C. L. E. de Gaugue, and F. Lombardy. 2,599,826, June 10.
Reinforced high-temperature glass conduit. F. L. Lefebvre. 2,606,574, Aug. 12.
Reinforced paper article. A. E. Carlson. 2,610,936, Sept. 16.
Reinforced plastic structural unit. P. Orsel. 2,618,960, Nov. 25.
Reinforced propeller blade. C. A. Liedholm. 2,615,520, Oct. 28.
Reinforced sail. M. L. Nilsen. 2,589,203, Mar. 11.
Reinforced split clutch plate. L. Hornbostel. 2,610,719, Sept. 16.
Reinforced sponge and reinforcing it. W. E. Kautenberg. 2,596,565, May 13.
Reinforced tile arch. A. B. Platero, L. G. Pardo, and J. J. Bonsignore. 2,589,127, Mar. 11.
Reinforcing clip. J. B. O'Connor. 2,601,125, June 17.
Reinforcing garments. H. Köppel. 2,610,327, Sept. 16.
Reinforcing perforated sheets. B. Hirszson. 2,601,853, July 1.
Reinforcing rod connection in block walls. G. R. and L. A. Dodson. 2,611,262, Sept. 23.
Reinforcing synthetic rubber. W. H. Leukhardt, Jr., and J. W. Adams. 2,616,860, Nov. 4.
Reiterating system. M. G. Hollabaugh. 2,601,289, June 24.
Relative humidity indicator of the wet and dry bulb thermometer type. A. H. Lamb and E. R. Kebbon. 2,606,446, Aug. 12.
Relative humidity meter. F. Kahn. 2,603,972, July 22.
Relaxation oscillator circuits. M. D. Rubin. 2,616,048, Oct. 28.
Relay. J. T. L. Brown and C. E. Pollard, Jr. 2,609,464, Sept. 2.
Relay. H. C. Harrison. 2,608,630, Aug. 26.
Relay. H. A. Miloche. 2,590,996, Apr. 1.
Relay. T. R. Welch. 2,587,557, Feb. 26.
Relay control system. E. A. Hester. 2,605,309, July 29.
Relay control system. H. C. Lawrence and G. E. Yewdall. 2,611,808, Sept. 23.
Relay counting circuit. E. R. Liberg. 2,593,578, Apr. 22.
Relay device for starting and protecting single-phase induction motors, particularly for compression refrigerator motors. S. Szániszlo. 2,589,893, Mar. 18.
Relay device, Semiconductor. L. P. Hunter. 2,604,496, July 22.
Relay emergency air brake valve. T. H. Affleck. 2,586,196, Feb. 19.
Relay for alternating-current motors. A. J. Lewus. 2,588,257, Mar. 4.
Relay operated temperature responsive control system. W. M. Smith. 2,623,699, Dec. 30.
Relay registering system. R. H. Herrick. 2,600,648, June 17.
Relay ring circuit. R. K. McAlpine. 2,590,879, Apr. 1.
Relay storage and switching arrangement. J. A. Spencer and E. R. Liberg. 2,621,250, Dec. 9.
Relay switch. M. A. Rudd. 2,589,868, Mar. 18.
Relay test set. E. L. Swartz. 2,589,160, Mar. 11.
Relay type of current limiter. J. M. Andrews. 2,585,987, Feb. 19.
Relay with sequentially operated switches. A. W. Vincent. 2,602,867, July 8.
Releasable fishing hook. A. W. Silva. 2,611,983, Sept. 30.
Releasable implement connection. T. L. Baggette and A. R. Copithorne. 2,612,827, Oct. 7.
Releasable rod coupler. J. S. Page. 2,605,122, July 29.
Releasable rope socket with weight indicator. J. A. Bond and J. L. Wiley. 2,589,599, Mar. 18.
Releasable valved coupling. P. L. Hanson. 2,619,367, Nov. 25.
Releasable window sash locking device. H. A. Stukes. 2,617,646, Nov. 11.
Releasably and adjustably connecting a rotatable pivot to a stationary pivot. C. Imhof. 2,618,452, Nov. 18.
Releasably supporting aircraft components. F. Bowers, P. F. Joseph, and K. C. Holmes. 2,591,913, Apr. 8.
Release agent. C. C. Currie. 2,586,211, Feb. 19.
Release and adjusting means for vise-type wrenches. J. G. Heim. 2,592,803, Apr. 15.
Release apparatus. D. C. Kinney, K. D. Peterson, and F. A. Ringe. 2,607,413, Aug. 19.
Release means for toggle-actuated wrenches. B. Burns. 2,590,750, Mar. 25.
Release mechanism. P. J. Branchu. 2,580,511, Jan. 1.
Release mechanism. W. L. Spielman. 2,585,870, Feb. 12.
Release mechanism for coupled spindles and shafts. F. C. Schwaneke. 2,616,732, Nov. 4.
Release mechanism for toggle actuated plier type wrenches. C. H. Redmon. 2,589,511, Mar. 18.
Release valve. B. Willach. 2,587,421, Feb. 26.
Releasing device. J. H. Derby and T. G. Collings. 2,604,789–90, July 29.
Releasing tap and die holder. H. F. Raymond. 2,591,291, Apr. 1.

Releasing type hook. F. W. Coffing. 2,595,450, May 6.
Releasing washover overshot. R. G. Alford. 2,616,749, Nov. 4.
Relief valve. H. U. Garrett and C. M. Peters. 2,619,109, Nov. 25.
Relief valve. O. L. Garretson. 2,589,072, Mar. 11.
Relief valve. A. G. Johnson. 2,611,390, Sept. 23.
Relief valve. S. R. Oldham, J. A. Hoffman, and W. J. Jacobson. 2,583,664, Jan. 29.
Relief valve. A. R. Olson. 2,588,157, Mar. 4.
Relief valve. T. Placette. 2,587,212, Feb. 26.
Relief valve. W. E. Renick. 2,608,214, Aug. 26.
Relief valve. W. E. Renick. 2,619,111, Nov. 25.
Relief valve. T. A. St. Clair. 2,608,210, Aug. 26.
Relief valve. M. F. Selwyn. 2,601,563, June 24.
Relief valve. W. T. Stephens. 2,605,108, July 29.
Relief valve. E. K. Thomas. 2,613,874, Oct. 14.
Relief valve construction. T. H. Holmes. 2,588,527, Mar. 11.
Relieving fixture. J. H. McDonald and J. Novak. 2,584,483, Feb. 5.
Relining worn bearing surfaces. E. L. Schaub and F. Hertel, Jr. 2,594,810, Apr. 29.
Remnant roll housing and lift. W. C. Johnson. 2,590,865, Apr. 1.
Remote control and supervisory system. R. B. Hearn and H. M. Pruden. 2,607,843, Aug. 19.
Remote control apparatus. A. P. Davis and G. Agins. 2,588,213, Mar. 4.
Remote control device. G. Briggs. 2,593,973, Apr. 22.
Remote-control device for brakes and the like. H. Weber. 2,607,239, Aug. 19.
Remote control device for heaters, valves, and other remote controlled parts. H. Weber. 2,592,361, Apr. 8.
Remote-control device for outboard motors. J. W. Aspenleiter. 2,615,418, Oct. 28.
Remote control electric arc welder. A. R. Shay. 2,618,775, Nov. 18.
Remote control equipment for aircraft and the like. R. M. Stanley and A. F. Cowen, Jr. 2,618,771, Nov. 18.
Remote control for power drives. A. A. Schmitz. 2,609,701, Sept. 9.
Remote control for tractors. J. H. Johnson. 2,598,390, May 27.
Remote control of transmission. R. S. Plexico. 2,598,428, May 27.
Remote control parking windshield wiper motor. R. E. Utter. 2,583,348, Jan. 22.
Remote-control recording mechanism. F. R. Saxby. 2,614,489, Oct. 21.
Remote-control release of snapping rolls. B. M. Hyman. 2,618,113, Nov. 18.
Remote-control selector device. P. M. Fuller. 2,612,710, Oct. 7.
Remote-control system. W. A. Derr. 2,597,075, May 20.
Remote-control system. W. A. Derr. 2,623,939, Dec. 30.
Remote control system. J. B. Lovell-Foot, and D. O. Hawes. 2,617,873, Nov. 11.
Remote control system. T. L. Sturges. 2,622,134, Dec. 16.
Remote-control system employing a thermal delay switch. J. L. Bonanno. 2,595,919, May 6.
Remote-control system for aircraft. P. R. Murray and D. C. Bright. 2,580,453, Jan. 1.
Remote-control system for cars moving in a defined path of travel. J. E. Shirley. 2,602,524, July 8.
Remote-control system for radio apparatus. L. E. Barton 2,602,851, July 8.
Remote-control system with supervisory means. G. L. Haller. 2,594,305, Apr. 29.
Remote-control valve system. J. R. Tomlinson. 2,622,621, Dec. 23.
Remote-controlled latching device. O. E. Allen. 2,616,739, Nov. 4.
Remote-controlled plural registering apparatus. H. G. Watson. 2,600,144, June 10.
Remote controlled shooting gallery. J. A. McKenzie. 2,598,008, May 27.
Remote controlled vehicle headlight adjuster. L. Theisen. 2,605,388, July 29.
Remote direction finder system. W. D. McGuigan. 2,592,719, Apr. 15.
Remote location and identification system. J. F. Novy. 2,597,895, May 27.
Remote operated multiple element double break switch. P. Sala. 2,616,998, Nov. 4.
Remote radio receiver tuning indicating apparatus. J. G. Black. 2,618,694, Nov. 18.
Remote reading compass unit. F. G. Boucher and A. B. Hildebrandt. 2,609,513, Sept. 2.
Remote starting control for internal-combustion engines. J. W. Schaeffer. 2,591,618, Apr. 1.
Remote surplus energy dissipation for wound rotor induction motors. G. Bradford and N. H. Auret. 2,581,749, Jan. 8.
Remote switch control. W. G. Coe. 2,598,356, May 27.
Remote water level indicator. L. S. De Mart. 2,612,044, Sept. 30.
Remotely controlled toy vehicle. C. H. A. Abrahamson. 2,620,596, Dec. 9.
Removable bearing. A. A. Haltom. 2,618,518, Nov. 18.
Removable cushion plate and seat standard. G. F. Gielow and R. L. Edwards. 2,612,211, Sept. 30.
Removable gate. B. M. Harrison. 2,581,857, Jan. 8.
Removable Geneva movement for motion-picture projectors. E. C. Manderfeld. 2,587,183, Feb. 26.
Removable handle. E. F. Crane. 2,599,434, June 3.
Removable ignition lubricator. E. C. Bettoni. 2,603,313, July 15.
Removable letter display sign. W. I. Staaf. 2,593,621, Apr. 22.
Removable luggage container. N. A. Hryhorczuk. 2,616,599, Nov. 4.
Removable magazine extension. S. Fiorini. 2,620,581, Dec. 9.
Removable mountings and interlocking means for electrical devices. W. K. Lockhart. 2,610,998, Sept. 16.
Removable partial denture. B. Müller. 2,594,200, Apr. 22.
Removable pipe plug. R. Hoebeke. 2,590,860, Apr. 1.
Removable plug for openings in meter casings. A. J. Wayman. 2,611,507, Sept. 23.
Removable protective coating. E. J. Schwoegler. 2,615,820, Oct. 28.
Removable runway. H. Greenberg. 2,594,425, Apr. 29.
Removable seat cover. F. Eull. 2,587,128, Feb. 26.
Removable spacer. N. L. Herman. 2,613,571, Oct. 14.
Removable tape holding cradle. T. H. Krueger. 2,620,992, Dec. 9.
Removable window sash mounting. H. E. Gardner, Jr. 2,613,403, Oct. 14.
Removal of air from finely divided material before consolidation under pressure. F. H. Clark and C. A. Lees. 2,586,148, Feb. 19.
Removal of amine inhibitors from unsaturated monomers. C. H. Basdekis and E. F. Jackson. 2,609,387, Sept. 2.
Removal of carbon dioxide from gases by cooling. E. Gomonet. 2,586,026, Feb. 19.
Removal of carbon dioxide from hydrocarbon synthesis tail gas. H. Z. Martin. 2,615,909, Oct. 28.
Removal of carbon from hydrocarbon synthesis catalyst. C. E. Hemminger. 2,608,569, Aug. 26.
Removal of carbonyl sulfide from liquefied petroleum gas. A. B. Johnson and D. H. Condit. 2,594,311, Apr. 29.
Removal of diolefin polymers from extractive distillation solvent. B. S. Garrett. 2,600,106, June 10.
Removal of flash, fin, and burr. H. N. Maier. 2,591,083, Apr. 1.
Removal of hydrogen sulfide and mercaptans from gases or liquids such as petroleum or petroleum fractions. G. W. Ayers, M. J. Geerts, and W. A. Krewer. 2,592,523, Apr. 15.
Removal of mercaptans from hydrocarbons. D. C. Bond. 2,589,663, Mar. 18.
Removal of objectionable sulfur compounds from mineral oil distillates. K. E. Lentz. 2,616,834, Nov. 4.
Removal of oxidizable sulfur compounds from a hydrocarbon gas mixture. W. W. Odell. 2,581,135, Jan. 1.
Removal of oxygenated organic compounds from hydrocarbons. L. P. Hodges. 2,581,102, Jan. 1.
Removal of pigments from printed textiles and agents useful therein. A. A. Cook and I. Sapers. 2,587,597, Mar. 4.
Removal of sulfur compounds from hydrocarbon fractions. J. E. Connor and C. E. Gustafson. 2,604,437, July 22.
Removal of sulfur from sponge iron. R. C. Buehl. 2,603,423, July 15.
Removal of troublesome fractions from benzene hexachloride. K. C. Kauer. 2,585,898, Feb. 12.
Removal of waste yarn from bobbins and the like. W. V. Henry. 2,617,172, Nov. 11.
Removing adhesive with an adhesive destructive compound. R. B. Oesting. 2,607,359, Aug. 19.
Removing bromine from brine. F. F. Lindstaedt and D. L. Shatto. 2,622,966, Dec. 23.
Removing calcium sulfate scale. P. H. Cardwell and B. P. Robinson. 2,606,157, Aug. 5.
Removing carbonaceous deposits from still tubes. M. R. Shaw. 2,620,280, Dec. 2.
Removing color bodies imparted to hydrocarbons in sweetening the same. J. P. Stanton. 2,589,450, Mar. 18.
Removing deposits from wells. C. R. Fast. 2,596,137, May 13.
Removing excess galvanizing metal from conduit or the like, Method and apparatus for. W. S. Pearson. 2,606,846, Aug. 12.
Removing fines from vegetable oils and miscella containing said oils. J. V. Hunn and M. W. Pascal. 2,605,272, July 29.
Removing fire flash from burned clay product surfaces. C. E. Miller. 2,618,109, Nov. 18.
Removing free oxygen or free hydrogen from a gaseous medium. E. F. Rosenblatt. 2,582,885, Jan. 15.
Removing heat fusible material from cans, Method and apparatus for. A. F. Rus. 2,589,143, Mar. 11.
Removing hemicellulose from wood pulp. J. M. Limerick. 2,592,300, Apr. 8
Removing husks from oats. S. Jacobson. 2,620,841, Dec. 9.
Removing inhibitors for urea adduct formation. W. S. Higley, W. J. Zimmerschied and A. P. Llen. 2,606,214, Aug. 5.
Removing lint by variable-speed traveling blower. A. B. Simon. 2,613,611, Oct. 14.
Removing material from a solid body. L. Balamuth. 2,580,716, Jan. 1.

Removing mercaptans from hydrocarbons. R. H. Cool. 2,593,851, Apr. 22.
Removing mercaptans from mineral oils. W. H. Rupp. 2,616,835, Nov. 4.
Removing metals from crude petroleum oils. E. A. Coons. 2,611,735, Sept. 23.
Removing moisture from the interior of the walls of cold storage rooms. Method of and apparatus for. C. G. Munters. 2,623,364, Dec. 30.
Removing nicotine from tobacco. M. Severi. 2,582,075, Jan. 8.
Removing oil from vegetable material. A. E. Eriksen. 2,589,238, Mar. 18.
Removing oil sands from oil wells. Method and apparatus for. D. P. Gray. 2,602,516, July 8.
Removing olives and the like from containers. H. Enderle and J. F. Vojak. 2,610,884, Sept. 16.
Removing organic fluorides from hydrocarbons. E. J. Janoski. 2,613,232, Oct. 7.
Removing oxides, oils, and grease from an uncoated metal article. C. A. M. Ripoche. 2,595,411, May 6.
Removing paint. H. O. Jones. 2,583,779, Jan. 29.
Removing paraffin from wells. R. E. Meynig. 2,588,554, Mar. 11.
Removing phenols and mercaptans from light petroleum distillates. F. P. Lobban. 2,605,212, July 29.
Removing scale from heating coils. W. T. Whatley. 2,600,820, June 17.
Removing skin from fleshy products. Method and apparatus for. C. Birdseye. 2,590,747, Mar. 25.
Removing tool. D. W. Cooke. 2,618,183, Nov. 18.
Rendering cellulosic material nonadherent to adhesives. F. L. Dennett. 2,588,367, Mar. 11.
Rendering ceramic materials water repellent. J. F. Hyde. 2,582,215, Jan. 15.
Rendering fabrics water-repellent and composition therefor. F. L. Dennett. 2,588,366, Mar. 11.
Rendering fabrics water-repellent and product resulting therefrom. F. L. Dennett. 2,588,365, Mar. 11.
Rendering fats. C. Pavia. 2,616,910, Nov. 4.
Rendering organic textile material water repellent and composition therefor. A. E. Brown, A. M. Sookne and F. W. Minor. 2,597,614, May 20.
Rendering proteinaceous textile materials water repellent. A. M. Sookne and A. E. Brown. 2,599,590, June 10.
Rendering visible the stereometrical (spatial) structure of objects, and in particular for preparations for histological investigations. C. Steffen. 2,614,454, Oct. 21.
Rendering water-wettable solid material water repellent and product resulting therefrom. A. J. Barry. 2,608,495, Aug. 26.
Rendering window surfaces water repellent and product resulting therefrom. Method and composition for. D. F. Stedman. 2,612,458, Sept. 30.
Renovating machine, Mattress and cushion filler. A. J. Kay. 2,590,181, June 3.
Repair member for bottle cases. E. C. Peterson. 2,614,713, Oct. 21.
Repair of punctured tires. H. A. Dibble. 2,585,635.
Repair rack for domestic gas service meters. C. D. Peterson. 2,621,400, Dec. 16.
Repair unit for broken vehicle axles. W. S. Ausherman. 2,582,307, Jan. 15.
Repairing furnace walls. L. M. Kirk. 2,611,330, Sept. 23
Repairman's creeper. J. W. Griffin. 2,595,783, May 6.
Repairman's creeper. J. W. Griffin and S. S. Lazarus. 2,595,784, May 6.
Repeat loading mechanism for pneumatic guns. W. S. Wells. 2,618,254, Nov. 18.
Repeat type action for typewriters and like machines. H. S. Brink. 2,600,200, June 10.
Repeat typing mechanism for power-operated typewriters and like machines. W. H. Kupper. 2,620,056, Dec. 2.
Repeat valve shutoff mechanism. E. M. Kreidler. 2,614,728, Oct. 21.
Repeater for frequency modulated waves. R. S. Bailey and M. Silver. 2,611,859, Sept. 23.
Reperforating apparatus. H. W. Goff. 2,581,184, Jan. 1.
Replaceable insert. J. Rosin. 2,607,446, Aug. 19.
Replaceable pocket and applying the same. E. L. Frohman. 2,591,059, Apr. 1.
Repleing web rolls in printing machines. W. C. Wieking. 2,596,189, May 13.
Repointer bar and repointing teeth. T. A. Ratkowski. 2,608,111, Aug. 26.
Repointing dipper teeth. B. J. Vidmar. 2,603,985, July 22.
Reproducing apparatus. N. E. Handel. 2,586,160, Feb. 19.
Reproducing apparatus. W. R. Jacobson. 2,583,778, Jan. 29.
Reproducing the human foot or any of the toes thereof by means of a preshaped flexible form impregnated with material capable of setting hard upon the application of moisture. D. Friedman. 2,593,742, Apr. 22.
Reproduction machine of the pantograph type. G. M. Keczell. 2,583,653, Jan. 29.
Reroller. J. H. Perks, Sr. 2,590,344, Mar. 25.
Resazurin test for milk. N. S. Golding. 2,609,276, Sept. 2.
Reserve bobbin magazine for looms. R. G. Turner. 2,620,833, Dec. 9.
Reservoir handle for floor wax applicators. J. H. McKendrick. 2,595,687, May 6.
Resettable circuit breaker. B. Millen. 2,615,963, Oct. 28.
Resetting attachment for fluorescent lamp starters. L. Stueland. 2,612,578, Sept. 30.
Resetting fuse plug. L. C. and J. F. Ondrejca. 2,612,575, Sept. 30.
Resetting mechanism for gasoline dispensing pumps. R. H. Hill and B. W. Foss. 2,595,259, May 6.
Resilient bag support. F. J. Malagio. 2,620,188, Dec. 2.
Resilient batt cutting machine. R. A. Sandberg. 2,585,852, Feb. 12.
Resilient bearer structure for rotary printing presses. L. M. Stempel. 2,598,726, June 3.
Resilient bush. C. Grantham. 2,621,949, Dec. 16.
Resilient cap and container closed thereby. C. J. Jesnig. 2,587,327, Feb. 26.
Resilient casing with slidable tool. A. Andrews. 2,608,890, Sept. 2.
Resilient clamp. F. W. Caldwell and J. P. Sharp. 2,585,089, Feb. 12.
Resilient closure for containers. W. F. Smith. 2,611,515, Sept. 23.
Resilient connector. F. O. Reichardt. 2,601,709, July 1.
Resilient damping of pressure bellows. W. C. Carlisle and J. H. McCarvell. 2,610,644, Sept. 16.
Resilient drive connection. W. Naegeli. 2,620,140, Dec. 2.
Resilient electrical outlet with puncturable sealing closure. L. J. Malone. 2,617,848, Nov. 11.
Resilient fastener formed of folded metallic strips. J. E. F. Gobin dit Daudé. 2,620,537, Dec. 9.
Resilient head for dial bore gauges. J. J. Bishop and E. M. Boat. 2,587,099, Feb. 26.
Resilient holding device. B. E. Thurness. 2,592,356, Apr. 8.
Resilient joint. W. L. Pringle. 2,607,617, Aug. 19.
Resilient member and fastening device therefor. G. L. Meyers and J. C. Shutt. 2,596,780, May 13.
Resilient member having parallel terminal surfaces. W. H. F. Jürgens. 2,607,582, Aug. 19.
Resilient mount for magnetic heads. M. Camras. 2,618,710, Nov. 18.
Resilient mounting. R. E. Davies and H. H. Fink. 2,611,574, Sept. 23.
Resilient mounting. H. M. Dodge. 2,598,115, May 27.
Resilient mounting. W. A. Keetch. 2,583,948, Jan. 29.
Resilient mounting for hay rakes. H. G. Klemm. 2,621,465, Dec. 16.
Resilient mounting for pulverizer grinding rings. L. L. Leach. 2,595,587, May 6.
Resilient mounting of vehicle cab and power unit. W. F. Double. 2,623,602, Dec. 30.
Resilient roller for lamp shade binding machines. J. J. Cahill. 2,592,539, Apr. 15.
Resilient screw fastener. J. W. Pletcher, Jr. 2,581,288, Jan. 1.
Resilient seal safety valve. C. H. Folmsbee. 2,599,622, June 10.
Resilient sealing member for pistons, plungers, or the like. N. F. Brown. 2,589,332, Mar. 18.
Resilient seat suspension. A. F. Hickman. 2,590,859, Apr. 1.
Resilient securing means for watch movements. H. Gerber. 2,623,350, Dec. 30.
Resilient snap hook. G. Boden and M. V. Duell. 2,613,422, Oct. 14.
Resilient snap hook. R. C. Legat. 2,601,711, July 1.
Resilient snap hook. H. E. Plough. 2,595,700, May 6.
Resilient soil-working toothed wheel. E. R. Simon. 2,593,065, Apr. 15.
Resilient stop for screw elevators. C. Panter. 2,587,757, Mar. 4.
Resilient strike plate. B. A. Quinn. 2,583,391, Jan. 22.
Resilient strut for aircraft landing gears and the like. T. B. Salter. 2,597,265, May 20.
Resilient support and centering arrangement for the electrodes of electric discharge tubes. C. Zorgman. 2,617,069, Nov. 4.
Resilient support for motors. L. R. Peters. 2,620,151, Dec. 2.
Resilient support for seat cushions. C. A. Karg. 2,604,933, July 29.
Resilient support for tractor seats. W. A. Fleischer. 2,591,144, Apr. 1.
Resilient support for typewriting machines. R. D. Dodge. 2,610,010, Sept. 9.
Resilient supporting means for conveyer belts. D. D. Murphy. 2,622,447, Dec. 23.
Resilient tensioned windscreen wiper for curved windscreens. H. W. Trevaskis. 2,593,073, Apr. 15.
Resilient valve in rigid wall portions of containers. I. I. Tubbs. 2,595,286, Feb. 12.
Resilient waited supply container with connected measuring trap chamber. N. Greene. 2,599,446, June 3.
Resilient wheel. R. J. Burrows and A. O. Williams. 2,593,977, Apr. 22.
Resilient wheel. D. Catley. 2,622,650, Dec. 23.
Resilient wheel. S. L. Simpson. 2,603,267, July 15.
Resiliently mounted spool type insulator. W. F. Markley. 2,623,094, Dec. 23.
Resiliently mounted vehicle seat. J. Randolph. 2,601,886, July 1.
Resiliently supported tilting chair. P. Mednick. 2,606,595, Aug. 12.
Resin, abrasive article incorporating same, and making same. H. V. Allison. 2,589,652, Mar. 18.

Resin base dispersion products and synthetic greases. J. D. Morgan and R. E. Lowe. 2,612,474, Sept. 30.
Resin bonded cord. L. D. Potter and B. P. Johnson. 2,594,210, Apr. 22.
Resin-bound fiber structure, Manufacture of. C. C. Heritage. 2,610,138, Sept. 9.
Resin impregnated and coated fabric sheets, Making. R. J. Nebesar. 2,607,708, Aug. 19.
Resin-impregnated leather board. L. H. Wilson, C. G. Landes, and C. S. Maxwell. 2,601,671, June 24.
Resin impregnating cellulosic fabrics. A. L. Lippert and W. P. Hall. 2,622,995, Dec. 23.
Resin impregnating machine for fabric or like material. C. C. Sachs. 2,611,336, Sept. 23.
Resin impregnating wood. R. R. Austin. 2,591,768, Apr. 8.
Resin made from tannin, sulfuric acid, acetone, and potassium cyanide. V. Da Veiga. 2,590,760, Mar. 25.
Resin of sulfur dioxide and an unsaturated organic compound which reacts to form a heteropolymeric resin. W. W. Crouch and J. F. Howe. 2,607,752, Aug. 19.
Resinous adhesive composition. R. R. Lamm. 2,610,924, Sept. 16.
Resinous composition comprising zein, resinous pinewood extract, and liquid phenolic resin. W. W. Reynolds and G. F. Lipscy. 2,591,466, Apr. 1.
Resinous compositions. S. O. Greenlee. 2,591,530, Apr. 1.
Resinous compositions and preparing the same. J. J. Padbury and E. L. Kropa. 2,585,827, Feb. 12.
Resinous compositions and their use. J. D. Nelson. 2,594,979, Apr. 29.
Resinous compositions of styrene, castor oil, and a diisocyanate. W. E. Cass. 2,609,349, Sept. 2.
Resinous copolymerization products from aromatic fulvenes. R. B. Thompson and H. S. Bloch. 2,587,791, Mar. 4.
Resinous insoluble reaction products of tertiary amines with haloalkylated vinyl aromatic hydrocarbon copolymers. C. H. McBurney. 2,591,573, Apr. 1.
Resinous material from a phenyl borate and an aldehyde. S. B. Twiss and A. P. Sporzynski. 2,623,866, Dec. 30.
Resinous materials. F. W. Hoover. 2,606,883, Aug. 12.
Resinous materials from 1,2-dimethylene cyclohexanes. J. E. Wicklatz and J. N. Short. 2,600,454, June 17.
Resinous product from furfural. J. C. Hillyer. 2,607,758, Aug. 19.
Resinous products containign chloroisopropenyl-toluene. G. S. Schaffel. 2,609,361, Sept. 2.
Resinous products for the exchange or the removal of anions and silica and manufacturing same. F. M. Vialatout. 2,622,064, Dec. 16.
Resinous products from aromatic polyketones and polyamides. H. S. Bloch and R. B. Thompson. 2,594,537, Apr. 29.
Resinous products of the reaction of styrene with resins derived from bituminous coals of Utah. E. D. Lee and R. J. Schefbauer, Jr. 2,582,139, Jan. 8.
Resinous reaction products of cyclohexanones and unsaturated dicarboxylic acids. E. A. Bevan and R. S. Robinson. 2,583,204, Jan. 22.
Resins from carboxyalkyl ethers of polyhydric alcohols. W. M. Hutchinson. 2,598,174, May 27.
Resins stabilized with organotinsulfonamides. G. P. Mack and E. Parker. 2,618,623, Nov. 18.
Resistance. W. M. Kohring. 2,597,338, May 20.
Resistance comparator. J. E. Ebert. 2,613,251, Oct. 7.
Resistance materials and elements. F. R. Quinn. 2,609,470, Sept. 2.
Resistance thermometer bulb. K. J. Knudsen. 2,588,014, Mar. 4.
Resistance unit. R. P. Sweger. 2,606,986, Aug. 12.
Resistance welded dome nut. A. T. A. Moclun. 2,583,868, Jan. 29.
Resistance welding process. G. R. Brolaski. 2,599,045, June 3.
Resistance welding tantalum. G. Otto. 2,620,424, Dec. 2.
Resistive device. C. J. Ganci. 2,619,571, Nov. 25.
Resistivity method for determining ore continuity. A. A. Brant. 2,599,688, June 10.
Resistor construction, Variable. L. M. Burgess. 2,606,984, Aug. 12.
Resistor spool. R. W. Hull. 2,604,275, July 22.
Resistor structure and manufacture. L. O. Upton. 2,623,145, Dec. 23.
Resistor structure with adjustably positionable taps. Z. Takats. 2,619,570, Nov. 25.
Resistor type flame detector. J. A. Deubel. 2,587,977, Mar. 4
Resnatron filament basket. W. H. Kohl. 2,617,960, Nov. 11.
Resol-alkyd resin product. H. Hönel and H. Manzano. 2,613,198, Oct. 7.
Resolution of an aminodiol racemate. R. M. Jacob, L. Markhoff, and J. C. Robert. 2,586,661, Feb. 19.
Resonance combustion apparatus. R. H. Goddard. 2,594,765, Apr. 29.
Resonance indicator. H. B. Steinhauser. 2,586,880, Feb. 26.
Resonance type capacitance responsive gauge. C. G. Sontheimer. 2,621,517, Dec. 16.
Resonant bridge circuits. T. A. Perls and G. W. Cook. 2,611,021, Sept. 16.
Resonant circuits. K. F. Kirchner. 2,609,491, Sept. 2.
Resonant explosion power unit with dilution air. G. Farnell. 2,602,291, July 8.
Resonant gas compressor and method. A. G. Bodine, Jr. 2,581,902, Jan. 8.
Resonant magnetic switch assembly. H. G. Weightman. Re. 23,454, Jan. 15.
Resonant pulse jet device with restricted flow passage. W. L. Tenney and C. B. Marks. 2,612,749, Oct. 7.
Resonant silencer. C. Thumin. 2,585,600, Feb. 12.
Resonant tank circuit for diathermy apparatus or the like. J. A. Boltson. 2,622,238, Dec. 16.
Resonant vibration fatigue tester. O. H. Henry. 2,587,317, Feb. 26.
Resonating pulse jet engine. W. L. Tenney and C. B. Marks. 2,609,660, Sept. 9.
Resorcinol monobenzoate, Manufacturing. W. M. Gearhart and R. W. Pugh. 2,588,978, Mar. 11.
Respirator. R. A. George. 2,620,794, Dec. 9.
Respirator. C. C. Wilm. 2,581,893, Jan. 8.
Respiratory device. R. A. Berman. 2,599,521, June 3.
Respiratory device. B. B. Holmes. 2,616,442, Nov. 4.
Responding to an extremme of a plurality of conditions. K. J. Knudsen. 2,593,898, Apr. 22.
Rest for the extremities and bodies of humans, Collapsible. L. K. Morecroft. 2,587,196, Feb. 26.
Rest or support for cigarettes and cigars. M. F. Connellan. 2,588,208, Mar. 4.
Rest structure with adjustable back. M. Glick and N. Nicholas. 2,595,240, May 6.
Restoring records. W. A. Roberts, F. L. Moore, and E. D. Conforti. 2,611,927, Sept. 30.
Restoring the stiffness to weakened automobile knee action coil springs, Means for. D. L. Tapp. 2,621,918, Dec. 16.
Restraining device for cattle. C. L. Norton. 2,601,623, June 24.
Restraining device for children's high chairs. P. E. Grooms. 2,610,670, Sept. 16.
Restraining harness for automobiles, Child's. G. R. Koehler and B. W. Rice. 2,622,664, Dec. 23.
Restraining springs for rate gyroscopes. R. T. Maiorany. 2,585,146, Feb. 12.
Restricting valve. E. T. Morton and G. R. Heidenblut. 2,601,549, June 24.
Restrictor for refrigeration systems. B. H. Hughes. 2,604,119, July 22.
Resuscitator. H. Seeler. Re. 23,496, May 20.
Resuscitator. H. Seeler. 2,581,450, Jan. 8.
Resuscitator, Mechanical. C. C. Rausch. 2,617,410, Nov. 11.
Resuscitator using separate air and oxygen sources. H. Seeler. 2,617,411, Nov. 11.
Retail store and checkstand apparatus. F. G. Meyer. 2,604,190, July 22.
Retainer device for tools. H. W. Kost. 2,580,930, Jan. 1.
Retainer for children. B. and D. Robbins. 2,591,875, Apr. 8.
Retainer for drop wires. W. N. Tuck. 2,587,409, Feb. 26.
Retainer for roller bearings. R. R. Kilian. 2,591,161, Apr. 1.
Retainer for plug valve barrels. F. Todd. 2,621,887, Dec. 16.
Retainer for vegetables and like products while cooking the same. P. A. Caruso. 2,614,484, Oct. 21.
Retainer for vendable merchandise. H. S. Childers. 2,597,290, May 20.
Retaining attachment for shower curtains. R. R. Meyer. 2,608,250, Aug. 26.
Retaining device. L. H. Messinger. 2,590,196, Mar. 25.
Retaining device for sponges. N. E. Kampouris. 2,611,147, Sept. 23.
Retaining means for electrical outlet boxes. F. C. Johnson. 2,593,033, Apr. 15.
Retaining means for idler units. W. H. McKissick and J. E. Fate, Jr. 2,622,946, Dec. 23.
Retaining packages in stacked relationship. A. G. Dupuis. 2,593,998, Apr. 22.
Retaining ring. L. S. Bluth. 2,580,396, Jan. 1.
Retaining ring assembly. H. Heimann. 2,595,787, May 6.
Retaining windings on rotors. R. G. Le Tourneau. 2,590,253, Mar. 25.
Retardation of development of reversion flavor in hydrogenated fats and oils. W. Lange and R. G. Folzenlogen. 2,589,097, Mar. 11.
Retarded cement. N. C. Ludwig. 2,580,565, Jan. 1.
Retarded release shock lock. R. W. Dunham. 2,588,914, Mar. 11.
Retarding impacts on railroad cars. A. A. Haas. 2,590,406, Mar. 25.
Retarding roller for conveyers. M. Ludwig and W. R. Postlewaite. 2,607,459, Aug. 19.
Retarding the staling of bakery products. I. Stone. 2,615,810, Oct. 28.
Reticle for use in gun sights. A. R. Myers, Sr. 2,601,726, July 1.
Retort. E. H. Records. 2,586,862, Feb. 26.
Retort and heating same. E. A. Rodgers. 2,616,680, Nov. 4.
Retort can tray loader. H. A. Young. 2,581,742, Jan. 8.

Retractable applicator. C. A. Mureau. 2,582,451, Jan. 15.
Retractable arrow point. T. Dalton. 2,613,936, Oct. 14.
Retractable barb device. T. F. Dann. 2,598,230, May 27.
Retractable door handle. J. R. Gates and J. F. Schuler. 2,599,054, June 3.
Retractable electric extension cord switch. R. G. J. Allard. 2,585,070, Feb. 12.
Retractable flap support. E. A. O'Brien. 2,591,000, Apr. 1.
Retractable ground-gripping device for vehicle wheels. J. G. Cowles. 2,580,522, Jan. 1.
Retractable landing gear. B. N. Ashton, E. D. Holland, and R. A. Wulff. 2,621,004, Dec. 9.
Retractable packer table. A. J. Burke. 2,617,574, Nov. 11.
Retractable ribbon dispenser. J. M. Johnston. 2,589,192, Mar. 11.
Retractable step. N. J. Harvey. 2,599,529, June 10.
Retractable tool. F. A. Trimboli. 2,592,978, Apr. 15.
Retractile cord and making it. T. K. Cox and F. P. Lyons. 2,609,417, Sept. 2.
Retracting hanger. M. P. Smith. 2,602,622, July 8.
Retracting mechanism for printing elements of business machines. C. H. Stuivenberg. 2,619,900, Dec. 2.
Retracting type theater chair. A. C. Hoven, W. E. Nordmark, and W. S. Lindberg. 2,593,145, Apr. 15.
Retractor. P. L. Heitmeyer and H. A. Leisy. 2,608,192, Aug. 26.
Retriever for submerged articles. L. E. Perkins. 2,592,460, Apr. 8.
Retrieving device. E. Krantz. 2,588,637, Mar. 11.
Retrieving tool. R. E. Davidson. 2,583,476, Jan. 22.
Retrieving tool. S. J. E. Marshall and L. M. Wilhoit. 2,605,131, July 29.
Reusable screw top can. J. E. Regan. 2,602,565, July 8.
Reverberation control of gain. J. L. Hathaway. 2,583,531, Jan. 29.
Reverse cascading. C. J. Ridgley. 2,617,861, Nov. 11.
Reverse current compensating system. H. S. Gillespie. 2,608,945, Aug. 12.
Reverse flow adapter for wells. K. Kelley. 2,587,333, Feb. 26.
Reverse flow surge washer. J. H. Daley and E. W. Larsen. 2,619,974, Dec. 2.
Reverse gear for outboard motor underwater units. E. C. Kiekhaefer. 2,623,490, Dec. 30.
Reverse thrust arrangement for braking jet-propelled aircraft. B. K. O. Lundberg. 2,620,622, Dec. 9.
Reverse wetting, subsurface formation. K. C. Ten Brink. 2,606,871, Aug. 12.
Reversible chair. I. Rakatansky. 2,602,491, July 8.
Reversible chair seat. W. S. Baer, Sr., and S. Samuels. 2,617,475, Nov. 11.
Reversible direct current motor. G. Kronacher. 2,623,202, Dec. 23.
Reversible door latch. A. F. Lickteig, Jr. 2,605,126, July 29.
Reversible drive mechanism. G. W. Johansen and W. E. Copley. 2,599,058, June 3.
Reversible electric control system. G. F. Richards. 2,611,888, Sept. 23.
Reversible engine control equipment. R. T. Whitney. 2,601,195, June 17.
Reversible heat pump cycle with means for adjusting the effective charge. N. E. Hopkins. 2,589,384, Mar. 18.
Reversible hydraulic drive, including follow-up system. E. J. Poitras and J. D. Tear. 2,614,390, Oct. 21.
Reversible hydraulic jack. F. S. Coyle. 2,614,389, Oct. 21.
Reversible lower end unit for outboard motors. E. C. Kiekhaefer. 2,616,387, Nov. 4.
Reversible mining cabin. J. F. Joy. 2,599,837, June 10.
Reversible motor. J. L. Trant. 2,592,492, Apr. 8.
Reversible packing. S. Dobrosavljevic. 2,584,679, Feb. 5.
Reversible pipe puller. F. L. Fraizer and E. H. Waltz. 2,612,343, Sept. 30.
Reversible propeller. R. E. Bell. 2,604,952, July 29.
Reversible pump. H. E. Raymond. 2,623,472, Dec. 30.
Reversible ratchet wrench. J. S. Dodge. 2,590,387, Mar. 25
Reversible ribbon feeding mechanism for typewriting machines. R. D Dodge. 2,616,547, Nov. 4.
Reversible roller type clutch. P. C. J. Glison. 2,588,515, Mar. 11.
Reversible rotary fluid coupling. J. E. Becker. 2,622,712, Dec. 23.
Reversible rotary fluid coupling. R. R. Mosher. 2,597,527, May 20.
Reversible rotary implement. F. C. Warne. 2,617,343, Nov. 11.
Reversible rug display cabinet. O. Thor. 2,596,291, May 13.
Reversible toy vehicle. S. I. Berger. 2,618,101, Nov. 18
Reversible type roller clutch. H. P. Kanehl. 2,617,508, Nov. 11.
Reversible vertically sliding window attachment for guard windows. L. D. Bayley. 2,616,532, Nov. 4.
Reversible wheel chair. H. A. Everest and H. C. Jennings. 2,601,379, June 24.
Reversing arrangement in two-stroke engines. O. Petersen. 2,599,479, June 3.
Reversing attachment for garden tractors. W. H. Metzler. 2,583,272, Jan. 22.
Reversing drive. A. J. Lewis. 2,602,341, July 8.
Reversing drive mechanism for cleaning-air tubes in self-cleaning filters. W. M. Sheldon. 2,584,746, Feb. 5.
Reversing means for electrical rotary toothbrushes. D. P. Grover. 2,618,797, Nov. 25.
Reversing mechanism. T. B. Royal. 2,588,883, Mar. 11.
Reversing toy trolley car. E. T. Van Sciver. 2,593,941, Apr. 22.
Reverting call circuits. R. E. Hersey. 2,595,944, May 6.
Revivifying spent activated carbon by a process employing a double sodium bicarbonate wash. H. L. Van Nouhuys. 2,589,750, Mar. 18.
Revoking shuttle feeler carried weft cutter. R. Hrdina. 2,603,244, July 15.
Revolving anode Roentgen ray tube. H. Kehrli. 2,594,564, Apr. 29.
Revolving antproof cooler shelf. H. F. Coykendall. 2,590,380, Mar. 25
Revolving distributor. J. F. Baier. 2,614,709, Oct. 21.
Revolving multiple color screen process printing table. J. T. Weldon. 2,613,595, Oct. 14.
Revolving pillar shell. I. Green. 2,598,906, June 3.
Revolving spring tooth harrow. D. L. Calkins. 2,614,375, Oct. 21.
Revolving target. C. E. Lauterbach. 2,580,799, Jan. 1.
Rewinding device for photographic roll film cameras. L. Goldhammer. 2,622,819, Dec. 23.
Rewinding paper core waste. M. C. Whatmore. 2,617,606, Nov. 11.
Rhenium plating. R. Levi. 2,616,840, Nov. 4.
Rheostat. A. Sharenow and D. M. Stadd. 2,620,419, Dec. 2.
Rheostat. P. Vlahos. 2,618,724, Nov. 18.
Rheostat potentiometer. L. Dewan. 2,595,189, Apr. 29.
Rheostat, Pressure. R. Garey. 2,596,673, May 13.
Rheostat, Reversing. R. A. Carey, and M. N. Dooley. 2,617,911, Nov. 11.
Rheostatic switch. R. W. McGarvey. 2,596,420, May 13.
Rhubarb cleaning machine. F. H. Rohrbach. 2,587,764, Mar. 4.
Rhythm stick. E. E. Massey. 2,620,701, Dec. 9.
Rib type casing centralizer. L. Kluck. 2,622,684, Dec. 23.
Ribbed core for steel blades. C. B. Conwell. 2,600,048, June 10.
Ribbed-stripper packer unit. F. J. Schweitzer. 2,583,497, Jan. 22.
Ribbon control for accounting machines, Bicolor. B. A. Runde. 2,602,530, July 8.
Ribbon feed for typewriting machines. C. Schroder. 2,609,077, Sept. 2.
Ribbon inker in address printing machines. W. T. Gollwitzer. 2,619,899, Dec. 2.
Ribbon or the like. H. Veeder. 2,599,674, June 10.
Ribbon reversing mechanism. R. E. Zum Bahlen, and L. H. Snyder. 2,617,513, Nov. 11.
Ribbon-type gas burner. J. H. Flynn. 2,600,160, June 10.
Riboflavin-formaldehyde reaction product. K. Schoen and S. M. Gordon. 2,587,533, Feb. 26.
Riboflavin-glyoxal condensation products. J. Q. Bellard and G. H. F. Schnakenberg. 2,598,103, May 27.
Riboflavin monophosphoric acid ester salts and preparation. L. A. Flexser and W. G. Farkas. 2,610,177, Sept. 9.
Riboflavin phosphate intermediates, Preparation of. L. A. Flexser and W. G. Farkas. 2,610,176, Sept. 9.
Riboflavin, Producing. D. A. Legg and S. C. Beesch. 2,581,419, Jan. 8.
Riboflavin, Production of. R. J. Hickey. 2,605,210, July 29.
Riboflavin, Production of. D. H. Larsen. 2,615,829, Oct. 28.
Riboflavyl phosphates, Producing. L. A. Flexser and W. G. Farkas. 2,610,178, Sept. 9.
Rich-mixture aviation fuel, Preparing. W. A. Herbst and W. C. Howell, Jr. 2,593,561, Apr. 22.
Rider plate construction. J. A. Neumair. 2,611,373, Sept. 23.
Riding saddle with radio receiving apparatus. E. Rovere. 2,581,714, Jan. 8.
Ridged wave guide attenuator. F. B. Craig and R. H. Webb. 2,590,511, Mar. 25.
Rifle cleaning rod. C. O. Gardner. 2,616,109, Nov. 4.
Rifle, Magazine. A. M. Olson. 2,619,876, Dec. 2.
Rifle safety attachment. R. W. Fleenor. 2,595,834, May 6.
Rifle stock cartridge case. C. Terry. 2,605,033, July 29.
Rifle with integral breech bolt and magazine. R. G. Davidson. 2,596,841, May 13.
Right angle drilling fixture. A. J. Schafer. 2,620,840, Dec. 9.
Right angle mounting cabinet front unit. H. T. Lay. 2,593,317, Apr. 15.
Rigid sheet metal awning structure. J. W. Snider and S. G. Damster. 2,595,612, May 6.
Rigid type felted mineral wood product, Making. F. L. Marsh, C. J. Koehler, and W. L. Chrisler. 2,615,806, Oct. 28.
Rim. J. E. Hale. 2,604,921, July 29.
Rim and tire assembly. J. W. Waber. 2,581,736, Jan. 8.
Rim for watchcases. A. Prêtre. 2,586,086, Feb. 19.
Rim tire lock. A. Bloechl. 2,583,809, Jan. 29.

Ring: *See*—
Box extension ring.
Centrifugal pump impeller seal ring.
Correcting spring aligning spacer ring.
Curtain ring.
Indoor marble playing ring.
Key holding ring.
Key ring.
Multiple section piston ring.
Packing ring.
Piston packing ring.
Piston ring
Retaining ring.
Sealing ring.
Self-adjusting finger ring.
Spinning and twisting ring.
Trap chain ring.
Ring. C. C. Tarter and H. S. Licht. 2,582,083, Jan. 8.
Ring A aromatized steroidal compounds and preparing them. M. R. Ehrenstein. 2,609,377, Sept. 2.
Ring balance. H. Illerlimann. 2,608,097, Aug. 26.
Ring-balance. O. B. Vetter. 2,585,705, Feb. 12.
Ring box. A. Masi, Jr., and N. Barbieri. 2,608,296, Aug. 26.
Ring placing means. R. D. Shaw. 2,604,245, July 22.
Ring rinser. G. P. Gilbertsen. 2,595,933, May 6.
Ring rolling mill. E. Henschker and F. S. Salter. 2,610,531, Sept. 16.
Ring rolling mill. M. R. Heppenstall. 2,610,532, Sept. 16.
Ring setting. E. M. Lovell. 2,591,569, Apr. 1.
Ring shaped closure remover. R. H. Williams. 2,613,833, Oct. 14.
Ring sizing tool. E. F. Kirkwood. 2,608,748, Sept. 2.
Ring spinning, doubling, and twisting machine. J. J. Haythornthwaite. 2,615,297, Oct. 28.
Ring twisting. G. M. A. Kayser, J. M. Meys, and P. van Dijk. 2,617,244, Nov. 11.
Ring watch, Combination. S. A. Wittmayer. 2,608,049, Aug. 26.
Ringing and regulating device for carrier current transmission systems. J. L. Hurault. 2,613,279, Oct. 7.
Ringing current supply system for telephones. E. F. Lewis. 2,585,022, Feb. 12.
Ringing equipment. W. Brandt and J. H. Brundage. 2,596,977, May 20.
Ringless piston for compression engines. D. Bowser. 2,618,522, Nov. 18.
Rinse cylinder for attachment to rotary washing machine baskets. C. T Maloy. 2,615,321, Oct. 28.
Rinser and sprayer, Nursing bottle. D. Hall. 2,610,894, Sept. 16.
Rinsing attachment for wringers. O. N. Cooper. 2,597,569, May 20.
Rip cord operating device for parachutes. W. J. Stallan. 2,584,164, Feb. 5.
Ripsaw, Gang. G. A. Nielsen. 2,610,130, Nov. 25.
Ripsaw table having a hinged section. G. C. Dudek. 2,613,699, Oct. 14.
Ripper for seams or the like. B. P. Adams, J. Palma, Jr., and J. G. Knapp. 2,610,309, Sept. 16.
Rivet applying and removing tool. J. L. Rein. 2,594,802, Apr. 29.
Rivet detonating tool. W. C. Stratman and J. W. Fischer. 2,618,399, Nov. 18.
Rivet feeding tool. L. Frank. 2,616,313, Nov. 4.
Rivet-stud removing mechanism. C. O. Knuuti. 2,617,174, Nov. 11.
Riveted joint. K C. Allison. 2,594,840, Apr. 29.
Riveter or the like having a pressure multiplying device. R. Nissim. 2,603,067, July 15.
Riveting gun and magazine therefor. J. Aherne-Heron. 2,592,636, Apr. 15.
Riveting machine, Automatic. W. E. Harness and J. O. Hruby, Jr. 2,620,876, Dec. 9.
Road barricade, Illuminated. W. H. Underwood. 2,583,244, Jan. 22.
Road edger for a moldboard type road grader. F. E. Arndt. 2,622,350, Dec. 23.
Road-finishing machine. H. R. Horning. 2,589,257, Mar. 18.
Road-finishing machine. L. J. Sarosdy. 2,605,682, Aug. 5.
Road forming attachment for motor graders. F. H. Toepfer, M. G. Lutz, and C. Chadock. 2,616,193, Nov. 4.
Road machine. G. P. Green. 2,601,277, June 24.
Road maintenance machine. L. H. Adams. 2,611,598, Sept. 23.
Road-paving machine. H. R. Horning. 2,589,256, Mar. 18.
Road roller. N. Revers. 2,612,090, Sept. 30.
Roadway load hanger. J. B. Templeton. 2,611,943, Sept. 30.
Roaster. C. J. Paul. 2,589,626, Mar. 18.
Roaster, Coffee. R. Gorman and J. W. Binsack. 2,620,176, Dec. 2.
Roaster, Corn. C. J. Paul. 2,589,625, Mar. 18.
Roasting coffee. W. J. Lenz. 2,614,043, Oct. 14.
Roasting coffee. W. S. Scull, 2nd, and G. A. Fisher. 2,581,148, Jan. 1.
Robo-chord. K. A. Bowen. Re. 23,458, Jan. 29.
Robot turn controlling device for airplanes. M. Gianoli. 2,581,851, Jan. 8.
Rock bit N E. Dunlho. 2,598,518, May 27.
Rock bit radial bearing. K. H. Swart. 2,595,903, May 6.
Rock crusher. N. H. Bogie. 2,605,051, July 29.
Rock drill. J. C. Curtis. 2,608,180, Aug. 26.
Rock drill. J. C. Curtis. 2,613,647, Oct. 14.
Rock drill. J. C. Curtis and E. G. Gartin. 2,595,128, Apr. 29.
Rock drill bit. J. C. Curtis. 2,597,301, May 20.
Rock drill bit. G. G. Green. 2,602,639, July 8.
Rock drill bit. M. H. Hubback. 2,606,004, Aug. 5.
Rock drill rod joint. J. S. Myhre. 2,606,778, Aug. 12.
Rock drill tip. J. Livingstone. 2,604,305, July 22.
Rock drilling apparatus. J. C. Curtis. 2,614,807, Oct. 21.
Rock drilling apparatus. J. C. Curtis and E. E. Miller. 2,614,808, Oct. 21.
Rock drilling tool. P. Liddicoat. 2,592,440, Apr. 8.
Rock drilling tool. B. F. Shepherd. 2,614,812–13, Oct. 21.
Rock drilling tool. B. F. Shepherd. 2,617,631, Nov. 11.
Rock picker and loader. O. B. Howser. 2,618,917, Nov. 25.
Rockable inner jaw wrench. M. Barnett. 2,600,956, June 17.
Rockable upholstered vehicle seat. F. X. Seitz. 2,605,813, Aug. 5.
Rocker, Bassinet. J. Paulich. 2,609,863, Sept. 9.
Rocker bearing for running gears. S. C. Heth. 2,600,768, June 17.
Rocking axle tractor with hydraulic lift. G. A. Thomas. 2,621,574, Dec. 16.
Rocking chair. J. Spence. 2,592,756, Apr. 15.
Rocking chair and ladder, Combination. L. C. Morgan. 2,622,658, Dec. 23.
Rocking-chair and musical-box combination and clutch connection therefor. R. E. Shvetz. 2,599,948, June 10.
Rocking horse. R. L. McCartney. 2,581,269, Jan. 1.
Rocket. C. C. Lauritsen. 2,608,931, Sept. 2.
Rocket discharger. L. O. Bergström. 2,609,730, Sept. 9.
Rocket fin J. W Busacker. 2,597,703, May 20.
Rocket having adjustable discharge passage. L. A. Skinner. 2,612,747, Oct. 7.
Rocket launcher. A. S. Gould. 2,581,096, Jan. 1.
Rocket launcher. G. Kunz. 2,598,001, May 27.
Rocket launcher, Retractable. G. J. Kuka. 2,591,834, Apr. 8.
Rocket launcher for retro-bombing apparatus. C. C. Lauritsen. 2,608,132, Aug. 26.
Rocket loading arrangement. W. H. Avery. 2,603,061, July 15.
Rocket motor pumped supersonic wind tunnel. A. J. Nerad. 2,592,322, Apr. 8.
Rocket powder. J. J. O'Neill, Jr. 2,600,678, June 17.
Rod: *See*—
Adjustable tie rod.
Coated welding rod.
Cover stop rod.
Fishing rod.
Fountain curling rod.
Rifle cleaning rod.
Sealed float rod.
Telescoping fishing rod.
Toy construction rod.
Welding rod.
Rod and reel holder. R. G. Harris. 2,606,731, Aug. 12.
Rod and tube assembly. M. P. Graham. 2,584,696, Feb. 5.
Rod casting device. G. Harrison. 2,623,253, Dec. 30.
Rod cleaning apparatus. G. H. Pill. 2,588,758, Mar. 11.
Rod disk cutting machine. L. Booth. 2,617,454, Nov. 11.
Rod feeding machine with rod receiving grooved member movable to actuate rod feeding means. H. Goerlitz. 2,613,861, Oct. 14.
Rod feeding mechanism. K. R. Thompson. 2,604,737, July 29.
Rod former tongue. M. Patterson. 2,617,426, Nov. 11.
Rod guide, Sucker. C. T. Weir. 2,601,478, June 24.
Rod handling device. E. D. Dahlman. 2,593,732, Apr. 22.
Rod holder. L. F. Katter. 2,581,671, Jan. 8.
Rod joint or the like, Adjustable. L. H. Flora. 2,620,209, Dec. 2.
Rod line stroke control unit. J. W. Ritter. 2,608,106, Aug. 26.
Rod lock. F. J. Bolek. 2,585,993, Feb. 19.
Rod of dental impression material. W. L. Wade. 2,594,830, Apr. 29.
Rod or shaft packing. A. V. Walker. 2,616,735, Nov. 4.
Rod positioning frame. C. E. Peterson and E. C. Kastner. 2,614,779, Oct. 21.
Rod to plate joint structure. W. I. Evans and E. Blanco. 2,585,304, Feb. 12.
Rod weeder attachment for cultivators. B. R. Miller and J. Gobatti. 2,596,270, May 13.
Rod weeder for chisel plows. H. L. Mowbray. 2,614,475, Oct. 21.
Rod weeder, Rotary. H. K. Wolfe. 2,601,653, June 24.
Rodent and animal trap. H. N. Murphy, M. Weinhart and H. E. Murphy. 2,608,020, Aug. 26.
Rodent trap. J. T. Brubaker. 2,592,388, Apr. 8.
Rodent trap. W. T. Hembree. 2,599,711, June 10.
Rodent trap. P. C Knox, III. 2,581,327, Jan. 1.
Rodent trap. J Marsden. 2,602,260, July 8.
Rodent trap. W. E. McKim. 2,608,021, Aug. 26.
Rodent trap. R. Merkl. 2,587,748, Mar. 4.
Roentgen meter. C. C. Lauritsen. 2,594,660, Apr. 29.
Roentgenographic apparatus. T. Vladeff. 2,589,904, Mar. 18.
Roll-away screen. T. C. Radford. 2,615,513, Oct. 28.
Roll blasting equipment. R. B. Huyett. 2,590,819, Mar. 25.
Roll end guide. R. A. Austin. 2,599,218, June 3.
Roll feed for stencil duplicating machines. P. A. Stephenson. 2,585,873, Feb. 12.
Roll film container and package. B. J. Rockefeller. 2,607,476, Aug. 19.

Roll forging machine. J. E. Preston. 2,585,677, Feb. 12.
Roll-forging machine. J. E. Preston. 2,620,690, Dec. 9.
Roll grinding machine. P. H. Hutchinson. 2,623,334, Dec. 30.
Roll grooving method and apparatus. H. E. Muller, Jr. 2,603,131, July 15.
Roll-handling and control mechanism for cloth inspecting machines. E. F. Clark and L. F. Remington. 2,595,055, Apr. 29.
Roll honing machine. H. A. Ortegren. 2,586,987, Feb. 26.
Roll partition. T. Schaap. 2,610,681, Sept. 16.
Roll pull tab. T. W. Tinkham. 2,612,992, Oct. 7.
Roll supporting means. E. E. Burroughs. 2,610,001, Sept. 9.
Roll system. A. Nield. 2,621,390, Dec. 16.
Roll tension mechanism for drawing frames. H. Dawson and R. H. Valley. 2,618,026, Nov. 18.
Roll toilet paper holder. F. A. Sharrer. 2,619,297, Nov. 25.
Roll-up type vehicle top cover. F. A. Germann. 2,594,910, Apr. 29.
Roll web indicating mechanism for newspaper printing presses. A. L. Imshaug. 2,606,238, Aug. 5.
Rollable structure for beds and the like. H. Graham. 2,599,383, June 3.
Rolled material dispenser. C. M. Huntington. 2,592,571, Apr. 15.
Rolled wire attachment for vehicles. W. Aden. 2,616,636, Nov. 4.
Roller and harrow implement. H. H. McVicar. 2,607,176, Aug. 18.
Roller attachment for scrapers. A. G. Gurries. 2,585,117, Feb. 12.
Roller bearing. F. O. Hickling. 2,606,798, Aug. 12.
Roller bearing. A. H. Lloyd. 2,589,560, Mar. 18.
Roller bearing cage with closed-in face slot. P. G. Palmgren. 2,611,670, Sept. 23.
Roller chain. H. L. Mueller. 2,582,057, Jan. 8.
Roller chart. M. E. Foster. 2,589,608-9, Mar. 18.
Roller conveyer. O. J. B. Orwin. 2,618,370, Nov. 18.
Roller conveyer construction. L. D. Barry. 2,593,089, Apr. 15.
Roller device impact clutch. W. M. Emery. 2,586,314, Feb. 19.
Roller etching machine. F. R. Lear, Sr. 2,602,024, July 1.
Roller for removing lint. H. Stachowiak. 2,592,969, Apr. 15.
Roller grinding mill. G. Jack. 2,606,080, Aug. 5.
Roller guide for hose and the like. M. B. Austin, Jr. 2,618,465, Nov. 18.
Roller jewel setting tool. F. Kobos, Sr. 2,588,850, Mar. 11.
Roller leveler. E. T. Peterson. 2,592,948, Apr. 15.
Roller machine for the molding of dough and other plastic substances. E. M. Crosland. 2,596,215, May 13.
Roller mill. E. H. Miller. 2,610,801, Sept. 19.
Roller neck bearing for textile drafting machines. E. B. Robinson and J. C. Costner. 2,610,363, Sept. 16.
Roller of animal glue. E. D. Hill. 2,598,167, May 27.
Roller platen printing machine. J. H. Gruver. 2,598,161, May 27.
Roller printer. W. R. and E. S. Patience. 2,616,344, Nov. 4.
Roller removing tool. A. Glover. 2,587,139, Feb. 26.
Roller screen. R. G. Bridges. 2,595,508, May 6.
Roller screen. H. M. Lockhart. 2,605,823, Aug. 5.
Roller skate antifriction bearing. P. Rebmann. 2,610,897, Sept. 16.
Roller skate wheel. F. G. Negri. 2,622,930, Dec. 23.
Roller skate wheel. H. L. Specht. 2,606,791, Aug. 12.
Roller-skate wheel mounting. I. Petrelli and L. Mares. 2,622,931, Dec. 23.
Roller skating suspension skates. A. E. Murray. 2,581,809, Jan. 8.
Roller slide for radial arm shapers. E. T. Pankonin. 2,608,908, Sept. 2.
Roller stripping apparatus. P. Shaw. 2,582,359, Jan. 15.
Roller support for sliding doors. H. G. Mylin. 2,594,058, Apr. 22.
Roller thrust bearing. C. A. Ablett. 2,584,632, Feb. 5.
Roller-track mounting for concrete mixer drums and the like. J. W. Lendved and C. I. Longenecker. 2,610,043, Sept. 9.
Roller transporting means. H. P. Haupt. 2,608,143, Aug. 26.
Roller trip for printing machines. M. Ras. 2,594,214, Apr. 22.
Roller-type aggregate compacting device. A. W. Gardner and R. W. Byrne. 2,582,199, Jan. 8.
Roller type arresting hook. H. M. Turner. 2,602,613, July 8.
Roller type sonic generator. G. C. Seavey and C. B. Horsley. 2,607,568, Aug. 19.
Rollerway for sawmill feed carriages, Adjustable. W. H. Munson. 2,613,702, Oct. 14.
Rolling contact measuring device. A. F. Saff and D. W. Uber. 2,591,615, Apr. 1.
Rolling door with slat therefor having windows. R. H. Greegor. 2,621,726, Dec. 16.
Rolling massager for increasing blood circulation. C. D. Cash. 2,593,982, Apr. 22.
Rolling mill. H. J. Wallace. 2,595,910, May 6.
Rolling mill. F. J. Wood. 2,601,793-4, July 1.
Rolling mill coupling box support. M. Morgan and J. M. O'Malley. 2,612,271, Sept. 30.
Rolling mill drive. L. W. Falk. 2,583,935, Jan. 29.
Rolling mill guide. S. E. M. Norlindh. 2,608,888, Sept. 2.
Rolling oil composition. C. W. Nichols, Jr., E. L. Armstrong, and H. J. Schroeder. 2,617,769, Nov. 11.
Rolling paint stand. C. L. Wahl. 2,580,623, Jan. 1.
Rolling, stamping, and cutting machine for dough. W. C. Scott. 2,595,305, May 6.
Rolling window screen. H. Herman. 2,580,776, Jan. 1.
Roof. H. M. Pont. 2,592,465, Apr. 8.
Roof and wall covering. J. Furrer. 2,585,760, Feb. 12.
Roof construction. G. L. Lindquist. 2,619,920, Dec. 2.
Roof construction. J. H. Norrid. 2,596,786, May 13.
Roof drain. J. H. Schmid. 2,599,205, June 3.
Roof for house trailers, Sun shield. R. H. Orter. 2,602,406, July 8.
Roof for the cockpits of aircraft, Removable. R. Saulnier. Re. 23,452, Jan. 15.
Roof for truck bodies. W. G. Butsch. 2,591,050, Apr. 1.
Roof glazing. J. R. Estey. 2,604,061, July 22.
Roof jack. S. W. Artis, Jr. 2,614,867, Oct. 21.
Roof staging apparatus. C. W. Osten. 2,623,794, Dec. 30.
Roof structure for use with prefabricated houses. A. S. Hansen. 2,604,060, July 22.
Roof truss structure. R. C. Gross. 2,614,512, Oct. 21.
Roof welding machine. S. J. Matosec. 2,620,421, Dec. 2.
Roofing and siding. J. B. Piatt. 2,621,617, Dec. 16.
Roofing granules and making same. M. E. Buzzell and L. W. Kanninen. 2,614,051, Oct. 14.
Room arrangement with movable bed for sleeping cars or the like. K. L. Schiff. 2,590,045, Mar. 18.
Room cooler. C. E. L. Lipman. 2,604,763, July 29.
Root and gum stimulator. C. C. Hibbs. 2,618,801, Nov 25.
Rope composed of natural and synthetic fibers. R. A. Snyder. 2,591,628, Apr. 1.
Rope connector. L. F. Nicosia. 2,607,094, Aug. 19.
Rope fitting. E. L. Morris. 2,595,806, May 6.
Rope forming machine. S. C. Hall. 2,602,283, July 8.
Rope thimble and clamp, Combined. E. L. Morris. 2,600,417, June 17.
Rosin acid esters. H. Wittcoff and J. R. Roach. 2,590,910, Apr. 1.
Rosin amine algaecides. J. N. Borglin. 2,593,529, Apr. 22.
Rosin container. R. E. Taylor. 2,585,187, Feb. 12.
Rotary annular electromagnet. A. C. Sampietro. 2,583,124, Jan. 22.
Rotary bit. C. C. Goolsbee. 2,614,810, Oct. 21.
Rotary blade apparatus adapted for use as a pumping or driving unit. J. J. Nicolas. 2,607,298. Aug. 19.
Rotary blade pump. E. J. Svenson. 2,588,430, Mar. 11.
Rotary blower support. E. J. Lattner. 2,615,617, Oct. 28.
Rotary brush with liquid receiving and feeding chamber. N. N. Okun. 2,591,093. Apr. 1.
Rotary card filing apparatus. L. W. Belew. 2,589,598, Mar. 18.
Rotary coaxial switch. C. W. Creaser, Jr. 2,601,372, June 24.
Rotary concrete pump. C. I. Longenecker. 2,619,913, Dec. 2.
Rotary contactor device. P. V. S. Kolff. 2,611,051, Sept. 16.
Rotary core drill. C. C. Brown. 2,621,897. Dec. 16.
Rotary crusher. F. W. Hack. 2,607,539, Aug. 19.
Rotary cultivating tool. A. V. Pettman. 2,590,790, Mar. 25
Rotary cutter. B. E. De Lamater, Sr. 2,584,262, Feb. 5.
Rotary cutter head for sewer rods. A. P. Kjeruiff. 2,589,556, Mar. 18.
Rotary cutter with helically concentric cutting edges. E. H. Kidder. 2,608,225, Aug. 26.
Rotary cyclic stress testing apparatus. H. E. Fritz. 2,595,069, Apr. 29.
Rotary delivery damper for grain cleaning chambers. J. B. Giles. 2,587,137, Feb 26.
Rotary discharge element for hoppers having helical pockets and an axially slidable shield for adjustably occluding said pockets. E. E. Bryant. 2,603,388, July 15.
Rotary disk cutter. G. Parovel. 2,615,482. Oct. 28.
Rotary disk plow ditching apparatus. C. Wiens. 2,619,747. Dec. 2.
Rotary disk valve. W. J. Hughes. 2,613,056. Oct. 7.
Rotary dowel cutting head. H. S. Newton. 2,618,301, Nov. 18.
Rotary drill for drilling wells. W. H. Ellis. 2,611,583, Sept. 23.
Rotary drilling fluids. P. W. Fischer. 2,582,323, Jan. 15.
Rotary drilling rig. J. B. Picard. 2,610,026, Sept. 9.
Rotary driven percussive tool. H. C. Reynolds. 2,613,662, Oct. 14.
Rotary drum apparatus and means for preventing material being treated from accumulating thereon. C. W. Clark and B. H. Morrison. 2,603,832, July 22.
Rotary drum concentrator and amalgamator for recovery of precious metals. W. A. Huelsdonk. 2,608,290, Aug. 26.
Rotary drum heat exchanger. G. D. Arnold. 2,618,865, Nov. 25.

Rotary drum reactor. D. E. Miller. 2,603,556, July 15.
Rotary drum vacuum filter. T. R. Komline. 2,583,698, Jan. 29.
Rotary ductor for printing presses. H. W. Faeber and O. V. and L. Dutro. 2,583,639, Jan. 29.
Rotary electric resistance welder. W. E. Shenk. 2,616,016, Oct. 28.
Rotary electric switch. P. Silvius. 2,590,658, Mar. 25.
Rotary electrical precipitator. A. Z. Hahn. 2,609,061, Sept. 2.
Rotary electromagnetic positioning device. H. B. Ackerman. 2,611,799, Sept. 23.
Rotary electromagnetic transfer switch. H. E. Schleicher. Re. 23,455, Jan. 15.
Rotary feeder. C. C. Campbell. 2,617,545, Nov. 11.
Rotary fluid coupling. V. O. Hartz. 2,587,154, Feb. 26.
Rotary fluid displacement device. M. F. Hill and F. A. Hill, 2nd. 2,601,397, June 24.
Rotary focused beam electron tube. P. W. Charton. 2,616,062, Oct. 28.
Rotary gas compressor. F. H. Beall. 2,617,582, Nov. 11.
Rotary grinding or drying mill. N. L. Hall. 2,580,541, Jan. 1.
Rotary grinding table. C. O. Kamp. 2,590,325, Mar. 25.
Rotary hearth furnace. A. D. Dauch. 2,622,863, Dec. 23.
Rotary hearth furnace. R. E. Talley. 2,622,861, Dec. 23.
Rotary heat exchanger. O. E. A. Aspegren. 2,592,783, Apr. 15.
Rotary hoe wheel. T. C. Bushong. 2,596,527, May 13.
Rotary hoe wheel. T. R. Mahoney. 2,597,742, May 20.
Rotary hoe wheel. J. F. Rude and A. V. Burch. 2,600,332, June 10
Rotary hydraulic coupling. R. O. Anderson. 2,602,295, July 8.
Rotary hydraulic coupling. H. N. Fiser. 2,598,367, May 27.
Rotary hydraulic coupling. P. T. Leahy. 2,602,296, July 8.
Rotary hydraulic coupling. E. J. Thurber. 2,616,260, Nov. 4.
Rotary hydraulic coupling. C. A. Wyndham. 2,586,136, Feb. 19.
Rotary hydraulic separator. G. W. Trundle. 2,588,502, Mar. 11.
Rotary hydraulic torque converter. H. I. F. Evernden. 2,603,943, July 22.
Rotary hydraulic torque converter. D. F. McGill. 2,610,468, Sept. 16.
Rotary hydraulic torque converter. J. F. Swift. 2,612,754, Oct. 7.
Rotary hydraulic torque converter. A. J. Syrovy. 2,613,503, Oct. 14.
Rotary hydraulic torque converter. B. Szczeniowski. 2,612,755, Oct. 7.
Rotary hydraulic torque converter transmission. J. Pavlecka. 2,614,391, Oct. 21.
Rotary impact delivery means for socket wrenches. L. C. Mabrey. 2,585,333, Feb. 12.
Rotary impact tool. R. A. Kaplan. 2,583,147, Jan. 22.
Rotary impeller and the like. R. G. Voysey. 2,621,851, Dec. 16.
Rotary interleaving apparatus. C. O. Rumph. 2,594,499. Apr. 29.
Rotary internal-combustion engine. R. W. Hibbard. 2,612,879. Oct. 7.
Rotary internal-combustion engine. A. O. Wilson. 2,612,878. Oct. 7.
Rotary liquid level gauge. T. A. St. Clair. 2,618,975, Nov. 25.
Rotary machine for manufacturing slide fasteners. G. Wintriss. 2,601,884, July 1.
Rotary masher. R. C. Rol. 2,612,922, Oct. 7.
Rotary mechanical seal. F. E. Payne. 2,592,728, Apr. 15.
Rotary mechanical seal with telescoping parts. P. T. Hanke. 2,610,075, Sept. 9.
Rotary mixer. D. W. Dron. 2,612,354, Sept. 30.
Rotary motion converted into reciprocating motion. F. De Cesaris. 2,581,241, Jan. 1.
Rotary motor. E. Thorgersson. 2,585,354, Feb. 12.
Rotary multiple punching press. J. Praturlon. 2,619,177, Nov. 25.
Rotary oil burner. W. R. Ray. 2,597,033, May 20.
Rotary oil burner. W. R. Ray. 2,620,864, Dec. 9.
Rotary operator for casement windows. S. C. Reynaud. 2,610,054, Sept. 9.
Rotary oscillating piston pump. W. J. Hoenecke. 2,605,714, Aug. 5.
Rotary out-trunk switching arrangement. O. C. Hall. 2,609,456, Sept. 2.
Rotary percussion drill. E. Craig. 2,584,331, Feb. 5.
Rotary planer attachment. R. W. Hyman. 2,618,203, Nov. 18.
Rotary plant chopping element. I. Knutzen. 2,599,843, June 10.
Rotary plug valve. W. T. Downing and S. P. Johnson. Re. 23,527, July 29.
Rotary plug valve. M. P. Laurent. 2,612,340, Sept. 30.
Rotary plug valve. E. A. Murphy, Jr. 2,599,274, June 3.
Rotary plug valve seat. H. Allen. 2,621,888, Dec. 16.
Rotary plug wall valve. A. H. Bohren. 2,617,442, Nov 11.
Rotary power conversion machine. I. M. Davidson. 2,623,688, Dec. 30.
Rotary power unit operable on atmospheric energy. I. Monk. 2,597,890, May 27.
Rotary pump. G. A. Carlson. 2,606,502, Aug. 12.
Rotary pump. F. L. Carson. 2,616,374, Nov. 4.
Rotary pump. M. G. Edwards. 2,615,399, Oct. 28.
Rotary pump. E. H. Johnson. 2,604,051, July 22.
Rotary pump. F. M. Kirkpatrick. 2,611,534, Sept. 23.
Rotary pump. F. Kraissl, Jr. 2,586,964, Feb. 26.
Rotary pump. G. F. Martin. 2,621,604, Dec. 16.
Rotary pump. J. H O'Brien. 2,588,032, Mar. 4.
Rotary pump. F. Scognamillo. 2,590,728, Mar. 25.
Rotary pump. J. B. Thomas. 2,621,603, Dec. 16.
Rotary pump and motor differential hydraulic tranamission. K. H. Nicholls and A. G. Rose. 2,583,704, Jan. 29.
Rotary reaction nozzle fuel burner. W. D. Bailey, Jr. 2,590,063, Mar. 18.
Rotary roll clearer for draft frames. W. F. Bird. 2,610,362, Sept. 16.
Rotary saw apparatus having adjustable saw guide. R. B. Gorden. 2,619,995, Dec. 2.
Rotary scoring cutter assembly. W. W. Betts 2,610,687, Sept. 16.
Rotary screen comminuting device. C. H. Nordell. 2,614,695, Oct. 21.
Rotary screen for motor assemblies. M. D. Burrows and S. Z. Siwek. 2,601,907, July 1.
Rotary seal. V. F. Dale and G. Reed. 2,590,759, Mar. 25.
Rotary seal for furnace tops. W. L. Dawbarn. 2,613,826, Oct. 14.
Rotary seaming head. H. L. Bryant. 2,606,515, Aug. 12.
Rotary seed disk with peripheral pockets protected by a flexible cover engaging said pockets. B. H. Ward, 2,605,023. July 29.
Rotary selector switch. L. G. Barry. 2,588,793. Mar. 11.
Rotary shaver. L. Scheponick. 2,616,167, Nov. 4.
Rotary shearing member. C. G. Richardson. 2,606,355, Aug. 12.
Rotary spark gap. R. S. Stanton. 2,599,951, June 10.
Rotary spark gap modulator. H. J. White. 2,605,310, July 29.
Rotary spool upon which yarn is adapted to be wound. H. P. Faris. 2,622,825, Dec. 23.
Rotary stirrer and liquid dispensing valve. N. Grubelic. 2,594,768, Apr. 29.
Rotary striping wheel paint striper and adapter for use with collapsible paint tube containers and the like. L. W. Coombs. 2,582,861, Jan. 15.
Rotary subsoiler. O. L. Calkins. 2,613,585, Oct. 14.
Rotary surface-finishing tool. R. O. Peterson. 2,603,921, July 22.
Rotary swinging high lift loader. D. S. Hoover. 2,584,804, Feb. 5.
Rotary switch. H. P. Luhn. 2,616,994, Nov. 4.
Rotary swivel. R. L. Crain. 2,610,828. Sept. 16.
Rotary swivel. L. Fagg. 2,610,827, Sept. 16.
Rotary table. F. C. Victory. 2,610,552, Sept. 16.
Rotary table. J. H. Wilson. 2,592,633, Apr. 15.
Rotary tiller. M. S. Ariens. 2,616,348, Nov. 4.
Rotary tiller for removing quack grass and the like. E. Pitcher. 2,595,537, May 6.
Rotary tooth cleaner. C. A. and E. L. Gooley. 2,591,147, Apr. 1.
Rotary torque converter of the impeller turbine reactor type. P. M. Sulerni. 2,585,851, Feb. 12.
Rotary transfer valve. A. B. Kennedy. 2,585,472, Feb. 12.
Rotary turbine pump. G. F. Baez. 2,620,735, Dec. 9.
Rotary turbine type fluid coupling. H. O. Putt. 2,615,303, Oct. 28.
Rotary turbine-type hydraulic coupling. R. H. Brown. 2,611,247, Sept. 23.
Rotary turbocompressor jet engine after-burner. A. L. Klein. 2,617,252, Nov. 11.
Rotary valve. R. M. Flanagan. 2,604,904, July 29.
Rotary well jar. E. W. Bagnell and W. F. Bettis. 2,618,467, Nov. 18.
Rotary wing aircraft with plural rotors. C. C. Miller, Jr., and G. C. Abbe. 2,623,597, Dec. 30.
Rotary wing blade. E. Daland. 2,609,883, Sept. 9.
Rotary wing device. G. Richard. 2,614,639, Oct. 21.
Rotatable adsorption apparatus. E. B. Miller. 2,617,986, Nov. 11.
Rotatable cap applying chuck with cap gripping helical spring. M. S. Resina. 2,593,794, Apr. 22.
Rotatable Christmas tree stand. C. F. Tacy. 2,587,788, Mar. 4.
Rotatable combustion apparatus for aligning individual flame tubes with access parts or manholes. P. P. Newcomb. 2,609,663, Sept. 9.
Rotatable combustion chamber. R. H. Goddard. 2,612,750, Oct. 7.
Rotatable core structure for concrete pipe-forming molds and fluid-actuated brake means therefor. V. R. Jackson. 2,606,354, Aug. 12.
Rotatable display sign. R. N. Morton. 2,593,221, Apr 15.
Rotatable display stand. G. G. Messick. 2,606,664, Aug. 12.
Rotatable drum pressing and ply turning device. M. Engler. 2,600,291, June 10.
Rotatable electrical potentiometer connection. W. J. Opocensky. 2,615,070, Oct. 21.
Rotatable marking tool. R. H. Norris. 2,610,576, Sept. 16.
Rotatable piston machine. F. E. Myard. 2,622,567, Dec. 23.

Rotatable seal for cowlings. M. E. Cushman. 2,612,227, Sept. 30.
Rotatable stop. G. H. Cote. 2,611,174, Sept. 23.
Rotatable supporting means for lamps. B. J. Osowski. 2,616,029, Oct. 28.
Rotatable supporting member for conveying devices. B. E. J. Kiljberg. 2,615,193, Oct. 28.
Rotatable tremulant sound producer. D. J. Leslie. 2,618,352, Nov. 18.
Rotatable trigger guard for firearms. C. A. Moore. 2,610,425, Sept. 16.
Rotatable tubing hanger. J. F. Baker. 2,599,039, June 3.
Rotatable turn indicating signal. A. Greene. 2,596,849, May 13.
Rotatable wave guide joint. W. M. Preston. 2,584,399, Feb. 5.
Rotatably and pivotally supported fluid pressure actuated tire demounter. F. Parks. 2,616,487, Nov. 4.
Rotatably supported adjustable painter's work holder. K. Pernitz. 2,599,010, June 3.
Rotating apparatus for blowing loose foreign material from articles. H. H. Wellborn. 2,602,003, July 1.
Rotating continuous combustion type combustion products generator and reaction turbine. F. Jonker. 2,591,549, Apr. 1.
Rotating cutter bar. E. Soenksen. 2,592,755, Apr. 15.
Rotating cutting device. G. Coretti. 2,586,209, Feb. 19.
Rotating cutting disk type mower. F. H. Ream. 2,619,786, Dec. 2.
Rotating disk icing rate meter. B. Vonnegut and R. E. Kutz. 2,585,604, Feb. 12.
Rotating nozzle for rockets. A. Africano. 2,611,317, Sept. 23.
Rotating plate mixing device. J. S. Clarke. 2,610,836, Sept. 16.
Rotating roll, Torsionally oscillating. E. W. Smith. 2,604,503, July 22.
Rotating shaft seal. T. T. Woodson. 2,610,871, Sept. 16.
Rotating shaft seal means. F. H. Kluge. 2,621,087, Dec. 9.
Rotating system for observation centrifuges for the determination of molecular weight. K. Beyerle. 2,617,585, Nov. 11.
Rotation indicator for hermetically sealed motor compressor units. J. Calling. 2,613,628, Oct. 14.
Rotation indicator for hoist drums. H. W. Dow. 2,599,815, June 10.
Rotation permitting assembly for poppet valves. E. S. MacPherson. 2,590,719, Mar. 25.
Rotation-transmitting device. K. J. Knudsen. 2,617,306, Nov. 11.
Rotational fuel feed for combustion chambers. R. H. Goddard. 2,602,290, July 8.
Rotational orientation apparatus. C. W. Johnstone and W. N. Dean. 2,612,547, Sept. 30.
Rotative winged aircraft. H. S. Campbell. 2,580,514, Jan. 1.
Rotisserie. O. J. Guffey. 2,600,760, June 17.
Rotisserie and oven, Combination. E. Dornbush. 2,588,091, Mar. 4.
Rotogravure impression mechanism. C. A. Harless and W. C. Wiesking. 2,607,292, Aug. 19.
Rotor. F. E. Bachman. 2,621,762, Dec. 16.
Rotor and stator for fluid handling machines having surfaces coated with gold. C. E. Earle and F. P. Somers. 2,592,876, Apr. 15.
Rotor balancing machine. K. F. Frank. 2,622,437, Dec. 23.
Rotor blade. D. N. Meyers. 2,596,818, May 13.
Rotor blade. I. I. Sikorsky. 2,606,728, Aug. 12.
Rotor blade damper. J. Rzeczycki. 2,616,510, Nov. 4.
Rotor blade support. M. D. Bulvid. 2,614,640, Oct. 21.
Rotor construction. E. F. Miller. 2,614,796, Oct. 21.
Rotor control mechanism for rotary wing aircraft. R. M. Worrel. 2,604,174, July 22.
Rotor cylinder rotary device. F. Scognamillo. 2,590,132, Mar. 25.
Rotor for axial flow elastic fluid compressors or turbines. F. E. O. Östmar. 2,583,875, Jan. 29.
Rotor for disk brakes. C. S. Kelley. 2,587,047, Feb. 26.
Rotor for dynamoelectric machines. F. A. Compton, Jr. 2,593,105, Apr. 15.
Rotor for helicopters, Auxiliary. H. S. Campbell. 2,581,923, Jan. 8.
Rotor for homogenizers. N. von Korshenewsky. 2,598,469, May 27.
Rotor for stone crushing apparatus. L. H. Kessler. 2,588,847, Mar. 11.
Rotor for turbomachines. G. Ane. 2,602,683, July 8.
Rotor for turbomachines. W. Traupel. 2,619,317, Nov. 25.
Rotor head for helicopters. C. L. Gahagan. 2,599,822, June 10.
Rotor parachute. R. H. Prewitt. 2,614,636, Oct. 21.
Rotor speed governor. E. Martin. 2,623,598, Dec. 30.
Rotor structure for turbines and compressors. R. C. McLeod. 2,623,727, Dec. 30.
Rough rounding and channeling machine. H. E. Elliott, H. J. George, and A. A. Rivington. 2,601,268, June 24.
Rough rounding machine. J. P. Fredericksen. 2,597,983, May 27.
Roughing and finishing tool. B. L. Johnson. 2,611,222, Sept. 23.
Round molded gyratory bolter sieve. A. M. Marsh. 2,587,498, Feb. 26.
Rounder for long loaves. H. Verheij. 2,623,478, Dec. 30.
Rounding the soles of shoes. C. W. Baker. 2,607,059, Aug. 19.
Rounding the tips of bristles. C. H. von Sivers. 2,587,792, Mar. 4.
Roundabout, Occupant propelled. H. G. Wilson and J. S. Evans. 2,606,763, Aug. 12.
Route-finding device. R. F. Hansford. 2,608,770, Sept. 2.
Route indicator. C. Breer. 2,618,088, Nov. 18.
Router. E. Pedron. 2,591,002, Apr. 1.
Router for removing defects from plywood. C. Carlson. 2,616,460, Nov. 4.
Routing machine. A. Bjorklund. 2,609,018, Sept. 2.
Routing machine. J. A. Richards, Jr. 2,596,868, May 13.
Roving feeding mechanism for knitting machines. H. C. Grant. 2,605,625, Aug. 5.
Roving stop motion attachment for spinning frames. G. W Harstin. 2,620,518, Dec. 9.
Row marker. M. E. Boenig. 2,613,586, Oct. 14.
Row marker control apparatus. D. T. Lewis. 2,586,356, Feb. 19.
Row marker for tractor implements. R. Ball. 2,618,214, Nov. 18.
Rowing machine. F. T. Glasgow. 2,586,024, Feb. 19.
Rub apron. H. M. Bacon and J. Rockoff. 2,621,375, Dec. 16.
Rub-board bridle support. H. E. Sparks. 2,596,613, May 13.
Rubber anticracking chemicals. B. A. Hunter. 2,605,250, July 29.
Rubber composition and making same. Semlhard. J. R. Helms. 2,594,165, Apr. 22.
Rubber covered roll. J. Rockoff. 2,594,348, Apr. 29.
Rubber cushion drive coupling. T. H. Peirce. 2,588,158, Mar. 4.
Rubber drive for printing hammers. C. G. Dudis. 2,587,824, Mar. 4.
Rubber hydrochloride air filter. H. A. Endres. 2,597,927, May 27.
Rubber hydrochloride film. M. D. Coulter. 2,602,094, July 1.
Rubber-metal spring. R. W. Brown. 2,605,099, July 29.
Rubber mixer. C. F. Schnuck and O. W. Hooker. 2,615,689, Oct. 28.
Rubber pad. L. M. Bickett. 2,617,751, Nov. 11.
Rubber polymersulfur dioxide filaments, Producing. J. T. Hackmann. 2,591,254, Apr. 1.
Rubber powered motor for toys and the like. G. G. Huard and R. J. E. Roger. 2,619,194, Nov. 25.
Rubber preserved with thiazylthio dihydroxybenzenes. T. H. Newby. 2,616,871, Nov. 4.
Rubber products, Production of. L. Harbison. 2,582,829, Jan. 15.
Rubber reclaiming oil. F. W. Staten. 2,610,925, Sept. 16.
Rubber reclaiming solvents. J. H. Boyd. 2,623,862, Dec. 30.
Rubber seal joint. J. G. Long. 2,599,767, June 10.
Rubber sleeve protector for drill pipes. R. H. Howard. 2,604,365, July 22.
Rubber spring. A. S. Krotz. 2,621,923, Dec. 16.
Rubber surface treatment and article. B. C. Barton and E. E. Auer. 2,587,274, Feb. 26.
Rubber to metal adhesion. G. Kraus and A. Conciatori. 2,606,852, Aug. 12.
Rubber to metal adhesive comprising dichlorobutadiene resin and a chlorinated elastomer and use thereof. L. B. Kuhn. 2,581,920, Jan. 8.
Rubber-to-metal adhesives and making same and use thereof. E. F. Kalafus. 2,619,445, Nov. 25.
Rubber treatment and article. B. C. Barton and E. E. Auer. 2,619,431, Nov. 25.
Rubberlike article. P. E. Clingman. 2,585,438, Feb. 12.
Rubberlike materials and an unsaturated hydrocarbon oil. H. S. Bloch. 2,615,856, Oct. 28.
Rubbery adhesive composition and making and using the same. R. T. Morrissey and R. A. Crawford. 2,583,387, Jan. 22.
Rubbery diolefinic polymers containing as anti-oxidant a mixture of antimony oxide and a 2,4,6 trihydrocarbon substituted phenol. G. E. P. Smith, Jr., and H. E. Albert. 2,581,907, Jan. 8.
Rudder construction for vessels. J. C. Dean. 2,601,837, July 1.
Rudder pedal installation. W. C. Boyce. 2,610,006, Sept. 9.
Ruffler attachment for sewing machines. C. G. Baehr and H. H. Russell. 2,593,519, Apr. 22.
Rug. W. F. Stahl. 2,622,998, Dec. 23.
Rug. P. C. Waite. 2,583,192, Jan. 22.
Rug. S. E. Waite. 2,589,003, Mar. 11.
Rug, Looped pile. B. A. Olsen. 2,584,493, Feb. 5.
Rug nozzle for suction cleaners, Dual purpose. O. L. Allen. 2,622,265, Dec. 23.
Ruggedized klystron tube. W. A. Joerndt. 2,614,233, Oct. 14.
Rule, Calculated framing and folding. D. J. Butler. 2,607,995, Aug. 26.
Rule, Disk slide. E. S. Russell. 2,595,209, May 6.
Rule, Flexible. M. J. Ryan. 2,586,386, Feb. 19.

Rule, Slide. W. J. Boos. 2,594,857, Apr. 29.
Rule, Slide. M. J. Quillinan. 2,597,523, May 20.
Rule, Telescoping measuring. J. J. Bolsen. 2,583,205, Jan. 22.
Rule, Telescoping type measuring. D. F. Gentz. 2,603,877, July 22.
Rule, Typist's. D. B. and J. W. Driskill. 2,588,498, Mar. 11.
Rule with opposed sliding contacts, Measuring. D. D. Brooks. 2,613,444, Oct. 14.
Ruler, Arc forming flexible. W. Q. and J. Q. Sullivan. 2,615,257, Oct. 28.
Ruler, Drafting and measuring. H. van Doorne. 2,616,181, Nov. 4.
Ruler gauge. L. J. Klimek. 2,606,371, Aug. 12.
Ruling guide for artists' pens. R. F. George. 2,590,243, Mar. 25.
Ruling pen gauge. S. J. Otis. 2,620,568, Dec. 9.
Runout detector for filament handling apparatus. G. P. Adams. 2,580,387, Jan. 1.
Runway marker for airports. H. Dalton, Jr., and T. M. Macario. 2,614,203, Oct. 14.
Running a liner in flowing gas wells. H. F. Cypher. 2,598,512, May 27.
Rupturable sealing means for pressure fluids. F. B. Parsons. 2,586,858, Feb. 26.
Rupture disk assembly. H. R. Spence, Jr. 2,608,719, Sept. 2.
Rural mailbox signal means. R. H. Lawson. 2,609,787, Sept. 9.
Rust inhibiting composition. M. P. Kleinholz. 2,610,919, Sept. 16.
Rust inhibiting composition. A. H. Matuszak. 2,581,120, Jan. 1.
Rust inhibiting composition. A. H. Matuszak. 2,587,546, Feb. 26.
Rust inhibiting composition. A. H. Matuszak. 2,623,887, Dec. 30.
Rust inhibiting material. H. N. Copthorne. 2,609,302, Sept. 2.
Rust inhibitive lead pigments. L. M. Kebrich. 2,597,645, May 20.
Rust preventing composition and preparing same. C. F. McCue and W. E. J. Broom. 2,595,158, Apr. 29.
Rust-preventing lubricant. L. W. Sproule and L. F. King. 2,587,545, Feb. 26.
Rust-preventing plug for bores of firearms. R. C. Hoard. 2,594,778, Apr. 29.
Rust preventive. L. E. Moody and J. W. Hand, Jr. 2,591,583, Apr. 1.
Rustproofing and using concrete reinforcing elements. H. L. Simonsson and T. L. Ulfstedt. 2,591,625, Apr. 1.
Rust-proofing iron and steel reinforcing elements for steam cured concrete. L. H. Simonsson and L. T. Ulfstedt. 2,611,945, Sept. 30.
Rust remover for cooling systems of automobile engines. M. A. Rock. 2,591,228, Apr. 1.
Ruthenium catalyzed hydrogenation process for obtaining aminocyclohexyl compounds. G. M. Whitman. 2,606,925, Aug. 12.
S-alkoxymethyl-O,O'-dialkyldithiophosphates. E. O. Hook and H. P. Moss. 2,586,655, Feb. 19.
S-aminoalkylidene dithiophosphoric acid triesters. E. O. Hook and P. H. Moss. 2,586,656, Feb. 19.
S-(ethylxanthoyl) piperidyl thiophosphoric chloride. H. Tolkmith. 2,592,617, Apr. 15.
S-hydroxybenzyl O,O-dithiophosphoric acid triesters, Production of. E. W. Cook, P. H. Moss and E. O. Hook. 2,589,675, Mar. 18.
SiO_2—Al_2O_3—NiO catalyst and its preparation. G. C. Bailey and J. A. Reid. 2,581,228, Jan. 1.
S-polyalkylene glycol derivatives of thiuronium salts. H. Z. Lecher and T. H. Chao. 2,607,803, Aug. 19.
Sachet. F. Lindenberg. 2,615,754, Oct. 28.
Sachet pocket for brassières. J. Schlussel. 2,610,325, Sept. 16.
Sack holder. F. F. Hunt. 2,585,320, Feb. 12.
Sack, Produce gathering. T. J. Semmes. 2,603,265, July 15.
Sacking and weighing machine. P. L. Newbold. 2,586,557, Feb. 19.
Sacroiliac block. V. Manley. 2,612,158, Sept. 30.
Saddle attachment for cycle seats. L. F. Bryant. 2,613,723, Oct. 14.
Saddle cover. C. J. Ruppert. 2,613,722, Oct. 14.
Saddle for brassière straps. I. L. Blalock and L. E. Ewing. 2,587,101, Feb. 26.
Saddle for spinning frames or the like. L. M. Cotchett and R. Rulon-Miller. 2,607,084, Aug. 19.
Safe and dispenser, Loose leaf paper. H. W. Marano. 2,609,219, Sept. 2.
Safe box. A. Prod'hom. 2,606,512, Aug. 12.
Safe lock. F. J. Bremer and G. J. Bauer. 2,609,679, Sept. 9.
Safety anchor spacer plate or bar. W. L. Anderson. 2,582,897, Jan. 15.
Safety antijimmy window lock. M. Goldwasser. 2,584,575, Feb. 5.
Safety assembly for power presses. P. H. Danly. 2,616,543, Nov. 4.
Safety attachment for cutter bars. A. Kesselring. 2,589,553, Mar. 18.
Safety attachment for outboard motors. W. A. Wardius. 2,592,772, Apr. 15.
Safety attachment for smokers. J. R. Colvin, III. 2,610,636, Sept. 16.
Safety attachment for smokers' ash receptacles. F. A. Nichols and D. H. Vero. 2,612,174, Sept. 30.
Safety attachment for the inflation of tires. R. E. Titus. 2,609,037, Sept. 2.
Safety automobile steering wheel. H. J. Nagin. 2,596,784, May 13.
Safety binder and support. F. Garduno. 2,587,307, Feb. 26.
Safety body supporting device. R. J. Peters. 2,611,363, Sept. 23.
Safety cabinet switch. W. A. Lauder. 2,584,390, Feb. 5.
Safety catch. B. L. Dill. 2,605,527, Aug. 5.
Safety closure. B. Elkind. 2,597,307, May 20.
Safety closure. M. Watter and J. C. Lyon. 2,583,978, Jan. 29.
Safety control. V. R. Pawelsky and E. R. Rack. 2,592,327, Apr. 8.
Safety control and ignition apparatus for gaseous fuel burners. V. Weber and W. J. Russell. 2,610,679, Sept. 16.
Safety control and ignition systems for fuel burners. C. K. Strobel and S. J. Lakota. 2,604,153, July 22.
Safety control apparatus for gaseous fuel burners. H. J. Long. 2,600,252, June 10.
Safety control device. J. H. Thornbery. 2,588,179, Mar. 4.
Safety control device for elevator. J. Borovec. 2,589,329, Mar. 18.
Safety control for absorption refrigeration machines. L. H. Leonard, Jr. 2,582,837, Jan. 15.
Safety control for gaseous fuel burners. G. B. Solovieff. 2,596,796, May 13.
Safety control for minimizing shock hazard from related parts of electrical apparatus. A. J. Torre. 2,604,583, July 22.
Safety control means for refrigerating systems. G. H. Warren. 2,621,487, Dec. 16.
Safety control mechanism for band saw machines. R. L. Crane. 2,607,373, Aug. 19.
Safety control system for cooling a gas turbine power plant on shutdown. G. R. Fusner, and C. J. Walker. 2,617,253, Nov. 11.
Safety control system for electrically operated heating means. B. C. Main. 2,614,621, Oct. 21.
Safety control system for fluid fuel burners. J. Witherspoon, Jr. 2,604,148, July 22.
Safety control system for motors. R. C. Jones. 2,597,104, May 20.
Safety control system for oil burners. J. C. Gibson. 2,582,827, Jan. 15.
Safety coupling. O. E. Wolff. 2,601,012–13, June 17.
Safety cutoff control system with dual thermal elements. C. M. Garner and W. J. Allan. 2,597,787, May 20.
Safety cutoff system for gas burners responsive to air pressure and thermostatic control. H. G. V. Hansen. 2,594,430, Apr. 29.
Safety device. R. H. Hill. 2,620,090, Dec. 2.
Safety device. H. J. Ide. 2,596,928, May 13.
Safety device. A. J. Ritchie. 2,607,510, Aug. 10.
Safety device. R. L. Simpson. 2,582,171, Jan. 8.
Safety device for accessory apparatus on railway trains. L. K. Silcox. 2,584,234, Feb. 5.
Safety device for aircraft. A. H. Corfield and E. E. Chapman. 2,581,078, Jan. 1.
Safety device for amusement rides. L. U. Eyerly. 2,592,879, Apr. 15.
Safety device for automatic approach systems. C. C. Pine and C. L. Sharp. 2,611,128, Sept. 16.
Safety device for balers. R. B. Hitchcock and R. R. Raney. 2,622,507, Dec. 23.
Safety device for cable tool drilling rigs. A. H. Brandt and A. J. Raasch. 2,596,362, May 13.
Safety device for can seamers. J. G. Harris. 2,604,063, July 22.
Safety device for catching or collecting objects in well bores. J. M. Clark. 2,620,035, Dec. 2.
Safety device for conveyors or the like. B. F. Herr. 2,623,614, Dec. 30.
Safety device for cooling systems. J. C. Slonneger. 2,590,135, Mar. 25.
Safety device for Diesel and internal-combustion engines. T. J. Moody. 2,603,690, July 15.
Safety device for door operating mechanism. M. M. Matchett. 2,602,664, July 8.
Safety device for electric meter trough covers. V. J. Lajeunesse, H. M. Rutledge, and R. T. Trier. 2,620,377, Dec. 2.
Safety device for fuel burners. V. Weber and R. F. Garner. 2,591,897, Apr. 8.
Safety device for hydraulic brakes. F. R. Johnson. 2,615,760, Oct. 28.
Safety device for lifting mechanism. J. B. Harrison and L. F. Jaseph. 2,601,759, July 1.
Safety device for liquid supply systems. F. W. Jackson and H. M. Nacey. 2,596,691, May 13.
Safety device for looms. J. Dunod. 2,587,982, Mar. 4.
Safety device for magnetic record erasing. H. F. Kuhlow. 2,595,197, Apr. 29.
Safety device for motors. A. E. West. 2,581,737, Jan. 8.

Safety device for oil burners, Overflow cutoff. J. F. Giardino. 2,597,470, May 20.
Safety device for picker sticks. E. C. Allx and H. A. Wilson. 2,620,832, Dec. 9.
Safety device for preventing accidental erasing or double recording on magnetic record tape. H. S. Heller. 2,612,565, Sept. 30.
Safety device for refrigeration machines and the like. T. S. Papadopoulos. 2,587,203, Feb. 26.
Safety device for rotary motors. W. R. Maclay. 2,586,968, Feb. 26.
Safety device for skis and the like. S. Gould. 2,618,487, Nov. 18.
Safety device for tractors. E. M. Warren. 2,586,130, Feb. 19.
Safety device for trail-behind agricultural implements. R. A. Christie. 2,617,345, Nov. 11.
Safety device for wallets. S. Rothschild. 2,609,855, Sept. 9.
Safety device for withdrawing needles from bale cases. G. B. Hill. 2,604,844, July 29.
Safety device for woodworking machines. F. P. Reynolds. 2,612,914, Oct. 7.
Safety device in electrically controlled valves, fittings or the like. J. Kročan. 2,598,062, May 27.
Safety disk wheel. L. Verderosa. 2,614,890, Oct. 21.
Safety dog for elevators and mine cages. G. Vaydo. 2,583,907, Jan. 29.
Safety door lock. E. C. Larson. 2,586,066, Feb. 19.
Safety door lock. E. Lipiner. 2,622,429, Dec. 23.
Safety electric outlet. S. Silver. 2,610,999, Sept. 16.
Safety fixture for gas service pipes. J. E. Dustin. 2,584,439, Feb. 5.
Safety fuel cutoff for vehicles. D. P. Rudisill. 2,619,185, Nov. 25.
Safety gas pilot with draft guard. R. P. Humphrey. 2,581,590, Jan. 8.
Safety ground clamp. O. W. S. Frear. 2,613,243, Oct. 7.
Safety guard for driving connection mechanism. M. H. Peterson. 2,607,241, Aug. 19.
Safety guard for fluorescent lamps. G. M. Brodie. 2,605,387, July 29.
Safety guard for hair straightening combs. E. Wilson. 2,598,330, May 27.
Safety guard for power-driven pipe tongs. F. J. Hillman. 2,580,680, Jan. 1.
Safety guard for presses. E. R. Ferrer. 2,582,023, Jan. 8.
Safety guard for vehicles. F. Fisher. 2,606,785, Aug. 12.
Safety handle. F. D. Ringler and E. W. Irvin. 2,602,351, July 8.
Safety holding board for use in caring for babies. J. R. Donnen. 2,594,883, Apr. 29.
Safety hook. E. C. Elsner. 2,619,698, Dec. 2.
Safety interlocked ticket receiving and checking machine. M. H. London. 2,611,535, Sept. 23.
Safety ladder bracket. K. Baxter. 2,615,665, Oct. 28.
Safety load equalizing and draft stabilizing coupling device for automobile towed trailers. M. H. Mathisen. 2,597,567, May 20.
Safety lock. V. Ostad41. 2,621,951, Dec. 16.
Safety lock for railway switches. J. W. McGarry. 2,610,291, Sept. 9.
Safety locking motor vehicle door handle. A. Thousand. 2,616,740, Nov. 4.
Safety means for garbage disposal devices. H. Jordan. 2,603,328, July 15.
Safety means for valves. A. J. Rosenberger. 2,586,094, Feb. 19.
Safety mechanism for centrifugal separators. J. E. Tholl. 2,591,317, Apr. 1.
Safety mechanism for conveyor transfers. E. P. Moslo. 2,622,725, Dec. 23.
Safety mechanism for doors. W. H. Bruns and S. Davis. 2,601,250, June 24.
Safety mechanism for elevators. A. Zindt. 2,618,361, Nov. 18.
Safety mechanism for pressure cookers. C. C. Schweiso. 2,599,072, June 3.
Safety mechanism for splicing machines. J. Trathen. 2,594,251, Apr. 22.
Safety pin. W. Colby. 2,618,825, Nov. 25.
Safety pin. J. H. Todd. 2,598,198, May 27.
Safety pin holder. R. F. Kenney. 2,613,817, Oct. 14.
Safety pocket, Bather's. S. Morgenstern. 2,609,980, Sept. 9.
Safety primary control for burners. J. J. Rothwell and P. Schell. 2,600,692, June 17.
Safety release for needle drive for balers, Two-way. J. H. Bornzin. 2,593,653, Apr. 22.
Safety sealing device for refillable containers. M. E. Taylor and H. F. Miller. 2,613,012, Oct. 7.
Safety shield. H. Singer. 2,612,352, Sept. 30.
Safety shock absorber for front fork structure of bicycles. L. A. Smith. 2,590,050, Mar. 18.
Safety snap. R. B. Stanley, and E. K. Lotthammer. 2,617,163, Nov. 11.
Safety stop attachment for full-fashioned hosiery machines. T. H. Decker. 2,585,633, Feb. 12.
Safety stopping device for movable machine-tool members. P. Pégard. 2,615,373, Oct. 28.
Safety switch. H. M. Barton. 2,597,969, May 27.
Safety tag holder. C. L. Kicher. 2,599,111, June 3.
Safety timing switch. A. L. Judson. 2,610,273, Sept. 9.
Safety type inner tube, Making. A. N. Iknayan. 2,605,200, July 29.
Safety type inner tubes, Making. A. N. Iknayan. 2,606,135, Aug. 5.
Safety valve. T. W. Bergquist. 2,597,057, May 20.
Safety valve. O. L. Callahan. 2,590,679, Mar. 25.
Safety valve. C. E. Earle. 2,594,626, Apr. 29.
Safety valve. G. O. Eastman. 2,593,423, Apr. 22.
Safety valve. C. H. Folmsbee. 2,592,673, Apr. 15.
Safety valve. G. J. Friderich. 2,623,536, Dec. 30.
Safety valve. A. D. Sands. 2,623,725, Dec. 30.
Safety valve. V. H. Schnebel. 2,590,656, Mar. 25.
Safety valve for coffee makers. L. W. Vezie. 2,618,389, Nov. 18.
Safety wall cushion. S. Samuels. 2,606,755, Aug. 12.
Safety window guard fastener. L. E. Shapiro. 2,589,878, Mar. 18.
Sail batten. C. O. E. Bluw. 2,608,172, Aug. 26.
Sail control device. H. Melges. 2,620,760, Dec. 9.
Sales device. H. C. Lynch. 2,619,865, Dec. 2.
Sales ticket and forms holder and forms register. J. Zalkind. 2,606,774, Aug. 12.
Salesman's carrying case. R. H. Arbib. 2,604,959, July 29.
Salicylic acid salt of 8-(5'-isopropylaminoamylamino)-6-methoxyquinoline. C. F. Geschickter and M. I. Rubin. 2,594,418, Apr. 29.
Saline composition. L. Freedman. 2,601,112, June 17.
Saliva ejector. C. L. Hutson. 2,595,666, May 6.
Saliva ejector. E. H. Nordin. 2,603,870, July 22.
Salt-and-pepper shaker, Selective combination. W. Sandford. 2,618,404, Nov. 18.
Salt and pepper shaker with slidable perforate valve plate for selective discharge, Combination. V. A. H. Maves. 2,590,437, Mar. 25.
Salt block. W. B. Dancy. 2,599,436, June 3.
Salt box for animals. C. Ossmann. 2,589,427, Mar. 18.
Salt cellar having absorbent cartridge. C. T. Crowley. 2,596,763, May 13.
Salt composition and producing the same. H. W. Diamond 2,603,566, July 15.
Salt dispenser. M. D. Vivolo. 2,609,971, Sept. 9.
Salt dissolver. A. W. Elchstaedt. 2,614,032, Oct. 14.
Salt of a thiuronium base and an acid of phosphorus. L. A. Mikeska. 2,605,278, July 29.
Salt shaker arrangement with desiccant container. R. W. Luce. 2,592,162, Apr. 8.
Salt shaker comprising a central container slidable in outer casing to uncover openings. W. Schwartz. 2,601,061, June 17.
Salt shaker, Moistureproof. J. Pararra. 2,614,732, Oct. 21.
Salt shaker with desiccant holder suspended between cap and container. J. H. Young. 2,588,600, Mar. 11.
Salt water evaporator. J. E. Joyner. 2,617,759, Nov. 11.
Salts of alkylene bis-dithiocarbamic acids, Preparation of certain. A. L. Flenner. 2,609,389, Sept. 2.
Salts of α-acylamido and α-alkoxycarbonamido acrylic acids. H. W. Coover, Jr., and J. B. Dickey. 2,622,074, Dec. 16.
Salts of benzene sulfonic acid, Preparation of. D. W. Milner and E. C. Holdsworth. 2,607,801, Aug. 19.
Salts of d-Tubocurarine, Producing. N. D. Jenesel, W. R. Coleman, and H. M. Crooks, Jr. 2,600,539, June 17.
Salts of hexamethylenetetraminium bases as latent curing catalysts. J. A. Yourtee. 2,607,759, Aug. 19.
Salts of 1-amino-2-haloethanes, Preparation of. T. F. Wood. 2,617,825, Nov. 11.
Salts of 1-salicylalaminoguanidine. C. B. Biswell. 2,584,784, Feb. 5.
Salts of sulfonated ethers of hydrogenated cardanol as inhibitors for mineral hydrocarbon oils. D. Wasserman. 2,586,191, Feb. 19.
Salvager and soaper, Soap. H. Stits and M. Morgenstern. 2,582,175, Jan. 8.
Salvaging air-borne fibers, Method and apparatus for. E. Clark. 2,606,344, Aug. 12.
Sample cutting apparatus. J. Echols. 2,621,739, Dec. 16.
Sample-taking and casing-perforating apparatus. C. E. Bannister. 2,599,040, June 3.
Sample taking apparatus. F. W. Long, J. F. Lee, A. F. Levi, and C. C. Keane. 2,598,183, May 27.
Sampling apparatus. E. H. Paulsen. 2,608,098, Aug. 26.
Sampling apparatus for subterranean fluids. B. W. Sewell. 2,623,594, Dec. 30.
Sampling device. C. M. Green. 2,598,535, May 27.
Sampling device for use in the weighing of cigarettes. C. Best. 2,601,786, July 1.
Sampling mechanism for can top feeding apparatus. R. K. Pottle. 2,601,785, July 1.
Sampling sub with removable cutting collector. J. N. Gregory. 2,613,916, Oct. 14.
Sampling tube. E. Redin and H. Ryde. 2,621,520, Dec. 16.
Sandbag. W. Cicero. 2,616,467, Nov. 4.
Sandblasting. W. J. O'Brien. 2,617,225, Nov. 11.
Sandblasting machine for cleaning inlays or the like. T. A. Webber. 2,584,647, Feb. 5.
Sand blowing tube for core-making machines. E. F. Peterson. 2,607,968, Aug. 26.
Sand catcher. O. H. Crabtree. 2,580,660, Jan. 1.

Sand conditioning apparatus. J. H. Seeling. 2,607,488, Aug. 19.
Sand cooling device. R. L. McIlvaine. 2,593,327, Apr. 15.
Sandpuper holder. G. M. Ingram. 2,585,655, Feb. 12.
Sand riddling device. E. Faulkner. 2,591,688, Apr. 8.
Sand ring for insert pumps. D. T. Harbison. 2,590,245, Mar. 25.
Sand roll and cloth roll mechanism. F. B. Peterson. 2,610,655, Sept. 16.
Sand valve. J. W. Meckenstock. 2,598,409, May 27.
Sander. C. D. Trussell. 2,595,428, May 6.
Sander, Belt. G. E. Steurer. 2,617,239, Nov. 11.
Sander for automotive vehicles. P. J. Sundheim. 2,587,072, Feb. 26.
Sander for bowling alleys, Preliminary track forming. G. Parovel. 2,603,918, July 22.
Sander for motor vehicles. J. U. Richard. 2,623,766, Dec. 30.
Sander, Hand. A. J. Dremel. 2,585,637, Feb. 12.
Sander, Hand. C. W. Werntz. 2,592,093, Apr. 8.
Sander tool. H. T. Opland. 2,605,593, Aug. 5.
Sanding and abrading pad. H. E. Longley. 2,612,011, Sept. 30.
Sanding head. A. Jensen. 2,597,102, May 20.
Sanding machine. F. Harris. 2,598,053, May 27.
Sanding machine, Portable. A. B. Walker and H. J. Riddle. 2,582,470, Jan. 15.
Sanding machine, Portable electric belt. B. S. Oren. 2,621,453, Dec. 16.
Sanding or rubbing attachment. S. D. Robins. 2,614,369, Oct. 21.
Sandal of paper or the like, Disposable. M. H. Abbott. 2,614,341, Oct. 21.
Sandal, Slotted sole. C. A. Pitz. 2,590,648, Mar. 25.
Sandwich making machine. A. A. Knee. 2,603,341, July 15.
Sanitary accessory for toilet bowls. N. D. Mattison. 2,598,577, May 27.
Sanitary adhesive tape dispenser. N. S. Waterman. 2,622,815, Dec. 23.
Sanitary bag for animals. W. G. Kahlert. 2,585,251, Feb. 12.
Sanitary butter dispenser. H. E. Young and G. V. Farnham. 2,603,868, July 22.
Sanitary napkin. C. I. Rickard and K. J. Harwood. 2,600,576, June 17.
Sanitary napkin protector. A. C. Fuentes. 2,587,459, Feb. 26.
Sanitary neck duster. R. J. Farone. 2,592,020, Apr. 8.
Sanitary smoking pipe. A. Dressler, Jr. and A. E. Fowler. 2,593,016, Apr. 15.
Sanitary teat cup protector. A. J. Luth. 2,622,559, Dec. 23.
Sanitary toothbrush holder. W. J. Keys. 2,611,477, Sept. 23.
Sanitary vaginal appliance. E. Sokolik. 2,613,670, Oct. 14.
Sash balance. E. H. Brown. 2,602,958, July 15.
Sash balance. E. H. Brown. 2,603,827, July 22.
Sash balance. H. R. Dickinson, III. 2,603,828, July 22.
Sash balance. W. P. Kessler. 2,590,932, May 13.
Sash balance. L. A. Macklanburg. 2,589,413, Mar. 18.
Sash balance. D. Tappan. 2,580,705, Jan. 1.
Sash catch, Automatic. B. I. James. 2,590,624, Mar. 25.
Sash construction. V. W. Braybrook. 2,589,924, Mar. 18.
Sash construction. W. M. Krantz. 2,583,107, Jan. 22.
Sash cord holder. J. B. Skelly. 2,583,395, Jan. 22.
Sash corner construction. C. A. Pressnall. 2,615,540, Oct. 28.
Sash corner joint. H. A. Hess. 2,587,471, Feb. 26.
Sash guide and cup unit. G. B. Haas. 2,586,946, Feb. 26.
Sash hanger. C. F. Arens. 2,598,093, May 27.
Sash hanger. J. J. Reynolds. 2,602,956, July 15.
Sash holder and weather seal, Combination. E. D. Lave. 2,586,672, Feb. 19.
Sash holding bracket. M. Ketchum, Jr. 2,614,298, Oct. 21.
Sash lock. J. C. Emerson. 2,605,125, July 29.
Sash lock assembly, Removable. J. W. Price. 2,611,462, Sept. 23.
Sash mounting. H. G. Larson. 2,580,933, Jan. 1.
Sash mounting. R. W. Mohring. 2,598,817, June 3.
Sash muntin construction. E. Peremi and H. Weimann. 2,604,196, July 22.
Saturable core direct current to alternating current converter. C. W. Hewlett, Jr. 2,585,654, Feb. 12.
Saturable reactor apparatus. H. M. Ogle. 2,617,090, Nov. 4.
Saturated oxonitriles, Preparation of. T. M. Patrick, Jr. 2,594,489, Apr. 29.
Saucer. D. A. Whitman. 2,587,259, Feb. 26.
Saucer having cup elevating means. T. T. O'Brien. 2,621,496, Dec. 16.
Sausage linker. J. M. Miller. 2,592,939, Apr. 15.
Sausage manufacturing apparatus. J. J. Prohaska. 2,623,451, Dec. 30.
Sausage-stuffing machine, Hydraulic. F. Fernandez. 2,608,715, Sept. 2.
Saw and cradle suspension therefor, Tilting-arbor. A. Pollak. 2,590,035, Mar. 18.
Saw and saw table therefor, Traveling. W. C. Schwantes. 2,609,014, Sept. 2.
Saw assembly for tractors, Power. F. W. Lawrence. 2,603,249, July 15.
Saw attachment for motor vehicles. D. A. Sharry. 2,608,221, Aug. 26.
Saw attachment for tractors. E. J. Bausch and W. W. Mulanax. 2,588,953, Mar. 11.
Saw, Band. W. F. Wella. 2,602,987, July 15.
Saw blade. C. Christenson. 2,603,251, July 15.
Saw blade. B. A. Derr. 2,606,577, Aug. 12.
Saw blade attachment in stone sawing machine. B. G. Stalheim. 2,621,646, Dec. 16.
Saw blade, Diamond-charged. J. E. Applewhite. 2,608,036, Aug. 26.
Saw blade having detachable forked sprung teeth. J. F. Dawson. 2,623,553, Dec. 30.
Saw blade holding means. J. H. Godfrey. 2,586,530, Feb. 19.
Saw blade with tension stabilizing holes, Circular. W. R. Chapin. 2,609,017, Sept. 2.
Saw, Bow frame chain. H. C. Pratt. 2,618,298, Nov. 18.
Saw, Brisket W. J. Hincks. 2,596,481, May 13.
Saw, Buck. L. Carpentier. 2,602,478, July 8.
Saw, Chain. J. B. Cox. 2,622,636, Dec. 23.
Saw chain. I. N. Jensen and J. R. Eklund. 2,608,222, Aug. 26.
Saw, Circular. A. R. Segal. 2,600,272, June 10.
Saw, Circularly-adjustable hand-held reciprocating-blade scroll. W. R. Pierce. 2,619,132, Nov. 25.
Saw construction, Folding. C. F. Peters. 2,595,288,, May 6.
Saw control, Power. W. F. and D. H. Wells. 2,601,576, June 24.
Saw, Detachable handle. W. E. Derby. 2,604,130, July 22.
Saw, Endless chain-type power driven. J. Wolf. 2,589,914, Mar. 18.
Saw filer. D. B. McCaulley. 2,618,176, Nov. 18.
Saw, Flying. C. E. Homer. 2,582,332, Jan. 15.
Saw, Flying. I. Ropp and W. S. Blackstone. 2,580,959, Jan. 1.
Saw for cutting timber or the like, Portable power. A. R. McKinstry. 2,597,017, May 20.
Saw gauge and guide. J. P. Ethridge. 2,598,117, May 27.
Saw guard. W. A. Eschenburg. 2,623,555, Dec. 30.
Saw guard, Circular. G. V. Olson. 2,593,596, Apr. 22.
Saw guide and supporting means, Portable power. G. L. Bridwell. 2,596,524, May 13.
Saw guide for portable power-driven hand-operated circular saws. J. B. Killian. 2,589,554, Mar. 18.
Saw gumming and sharpening machine. H. V. Holmes. 2,605,654, Aug. 5.
Saw, Hack. H. H. Bouschor. 2,612,196, Sept. 30.
Saw, Hack. P. A. Swilley, Sr., and T. B. Swilley. 2,603,261, July 15.
Saw, Hand manipulated power band. E. P. Sacrey. 2,596,081, May 6.
Saw handle. S. C. Becker. 2,609,020, Sept. 2.
Saw having angularly adjustable blade, Drag. W. Jacobson. 2,611,399, Sept. 23.
Saw having oppositely reciprocating saw blades, Power-operated. J. W. Wright. 2,598,480, May 27.
Saw having two oppositely reciprocating blades, Power-driven reciprocating drag. H. E. Ringgold. 2,594,997, Apr. 29.
Saw holder. J. McEwan. 2,580,812, Jan. 1.
Sawhorse leg assembly, Collapsible. F. B. Loucks, Jr. 2,594,464, Apr. 29.
Saw, Jig. W. Copp. 2,617,453, Nov. 11.
Saw machine for multiple grooving, Circular. C. E. Johnson. 2,616,459, Nov. 4.
Sawmill carriage. L. R. Stanley and W. H. Pate. 2,586,271, Feb. 19.
Sawmill with carriage traveling over husk, Portable. A. J. Bach. 2,612,913, Oct. 7.
Saw on a traveling carriage, Rotary. C. E. Parker. 2,605,840, Aug. 5.
Saw operating mechanism. W. E. Roe. 2,593,346, Apr. 15.
Saw, Portable band. G. James. 2,593,760, Apr. 22.
Saw, Portable power-driven band. W. D. Crosby. 2,604,910, July 29.
Saw, Portable rim-driven circular. A. P. Smith. 2,599,495, June 3.
Saw, Power-driven taper cutting. W. A. MacArthur. 2,587,054, Feb. 26.
Saw, Power fed, timber-mowing tractor mounter. R. T. Spedding. 2,597,395, May 20.
Saw, Power-operated meat. R. E. Grills. 2,621,693, Dec. 16.
Saw, Protractor. W. J. Fordon. 2,621,689, Dec. 16.
Saw, Pruning. F. E. King. 2,619,721, Dec. 2.
Saw, Radial. C. P. Gesner. 2,584,863, Feb. 5.
Saw, Radial arm miter. W. Truchan. 2,602,474, July 8.
Saw, Reciprocating power-driven. F. Gaviola and F. Anacabe. 2,609,015, Sept. 2.
Saw set. E. M. Kaltenbach. 2,617,318, Nov. 11.
Saw set. W. G. Spain and H. C. Simpson. 2,600,027, June 10.
Saw-setting device, Circular. W. R. Langerman. 2,603,112, July 15.
Saw-setting machine. H. E. Hull. 2,581,415, Jan. 8.
Saw setting tool. E. G. Fippinger. 2,613,553, Oct. 14.
Saw setting tool. W. D. Howard. 2,602,355, July 8.
Saw sharpener. J. McEwan. 2,590,992, Apr. 1.
Saw sharpener. J. McEwan. 2,607,243, Aug. 19.

Saw sharpener, Portable electric. M. Collis. 2,600,850, June 17.
Saw sharpener with motor-driven rotary sharpeners. C. J. Weyrauch. 2,585,063, Feb. 12.
Saw sharpening device employing a grinding wheel. C. H. Hutsell. 2,602,354, July 8.
Saw sharpening machine. R. V. Esteve. 2,618,177, Nov. 18.
Saw, Sliding cutoff. R. E. Starnes. 2,592,970, Apr. 15.
Saw, Squaring carpenter's. E. Salin. 2,592,745, Apr. 15.
Saw, Stone. L. Patella. 2,600,570, June 17.
Saw, Swinging power-operated circular. J. M. Paton. 2,612,191, Sept. 30.
Saw table for portable power driven reciprocating handsaws. W. E. Shore. 2,611,400, Sept. 23.
Saw-tooth conditioning device. V. P. Fisher and L. H. Poole. 2,594,413, Apr. 29.
Saw-tooth voltage generator. H. W. Beach. 2,604,591, July 22.
Saw-tooth voltage generator. D. R. Corson and W. G. Pree. 2,582,190, Jan. 8.
Sawtooth wave generator. R. K. Lockhart. 2,611,872, Sept. 23.
Sawtooth wave generator. R. E. Moe. 2,581,199, Jan. 1.
Saw-tooth wave generator. L. W. Whitaker. 2,602,896, July 8.
Sawtooth wave voltage generator. K. Schlesinger. 2,616,044, Oct. 28.
Saw, Tractor-operated. W. A. Dennis. 2,586,622, Feb. 19.
Saw, Two-man portable power. C. R. Hughart. 2,584,209, Feb. 5.
Saw vise. W. Gamboney. 2,608,747, Sept. 2.
Saw vise. F. O. Queel. 2,606,462, Aug. 12.
Saw wheel adjusting means, Band. C. A. Wiken and E. A. Reibig. 2,604,126, July 22.
Saw with adjustable arbor-receiving openings, Circular. I. R. Adams. 2,600,459, June 17.
Saw with swingable tension roller, Rotary. J. J. Miller. 2,589,624, Mar. 18.
Sawing and cutting machine, Wood. E. Schutz. 2,611,398, Sept. 23.
Sawing apparatus for prostrate logs, Portable. G. O. Schneider. 2,609,848, Sept. 9.
Sawing machine. F. Hunziker. 2,599,056, June 3.
Sawing machine. H. E. Rose. 2,589,576, Mar. 18.
Sawing machine. V. V. Weyant. 2,596,630, May 13.
Sawing machine and support therefor, Tree. T. J. Dowling, Sr. 2,617,452, Nov. 11.
Sawing machine, Band saw log coping. F. Griffith. 2,595,073, Apr. 29.
Sawing machine having a straight blade moving in a cyclic path, Power-driven. G. R. H. Vuillet-Durand. 2,619,133, Nov. 25.
Sawing machine, Portable. T. Stennitt. 2,584,821, Feb. 5.
Sawing machine, Power-operated radial. E. J. Osterhus. 2,590,119, Mar. 25.
Sawing stone such as marble and the like. B. G. Stålheim. 2,609,812, Sept. 9.
Scaffold. C. C. Droeger, E. J. Meloy, and W. C. Roggie. 2,593,122, Apr. 15.
Scaffold, Adjustable. G. R. Newlon, Jr. 2,583,437, Jan. 22.
Scaffold bracing. L. S. Blackburn. 2,588,905, Mar. 11.
Scaffold bracing. J. A. Kirkpatrick. 2,620,237, Dec. 2.
Scaffold bracket. E. J. Bucsko and V. T. Wedrite. 2,605,074, July 29.
Scaffold connection. R. E. Hagan. 2,613,114, Oct. 7.
Scaffold construction. P. M. Knudsen. 2,582,385, Jan. 15.
Scaffold, Crane supported movable self-leveling. I. G. Stemm. 2,616,768, Nov. 4.
Scaffold, Elevating ladder. N. H. Rector. 2,616,769, Nov. 4.
Scaffold end frame. R. H. Dunn. 2,582,625, Jan. 15.
Scaffold, Extensible. W. H. Brewster. 2,600,199, June 10.
Scaffold, Folding. D. H. Dirks. 2,593,386, Apr. 15.
Scaffold for handling sheet material. L. R. Henderson. 2,586,227, Feb. 19.
Scaffold for handling sheet material. L. R. Henderson and A. C Seago. 2,590,617, Mar. 25.
Scaffold for household uses, Foldable. G. G. Thomas. 2,599,670, June 10.
Scaffold jack. O. Murphey. 2,592,057, Apr. 8.
Scaffold jack and ladder. E. L. Coble. 2,586,149, Feb. 19.
Scaffold, Portable. L. C. Gasner and C. M. Page. 2,585,763, Feb. 12.
Scaffold, Portable dock. J. L. Thompson and J. Bibb. 2,598,730, June 3.
Scaffold, Power-driven. L. E. Dempsey. 2,581,176, Jan. 1.
Scaffold raiser and remover. J. W. Seamans. 2,623,643, Dec. 30.
Scaffold, Self-sustaining. E. B. Brittin. 2,611,657, Sept. 23.
Scaffold support. C. F. McQuin. 2,588,399, Mar. 11.
Scaffold support. L. M. Polak, Jr. 2,612,413, Sept. 30.
Scaffolding. H. J. P. Skinner. 2,585,281, Feb. 12.
Scaffolding and span therefor. W. J. S. Johnson. 2,619,390, Nov. 25.
Scaffolding clip or clamp. A. Macbeth. 2,597,649, May 20.
Scale. N. A. Hallwood. 2,610,844, Sept. 16.
Scale. C. S. Schroeder. 2,593,615, Apr. 22.
Scale. A. van Duyn. 2,622,869, Dec. 23.
Scale. A. van Duyn. 2,622,938, Dec. 23.
Scale, Automatic. F. F. Morley. 2,595,871, May 6.
Scale, Automatic platform. E. Outrebon. 2,615,705, Oct. 28.
Scale, Baby weighing. J. C. and W. V. Sutton. 2,611,604, Sept. 23.
Scale, Buoyancy. S. Rappaport and J. C. Petrea. 2,597,949, May 27.
Scale, Electrically actuated weighing. S. M. Marco and W. L. Davis. 2,598,812, June 3.
Scale, Flexure plate weighing. M. A. Weckerly. 2,584,949, Feb. 5.
Scale for automatic weighing and sorting machines, Track. W. F. Altenpohl. 2,612,265, Sept. 30.
Scale, Golf club. K. Smith. 2,595,717, May 6.
Scale lifter. C. E. A. O'Loughlin. 2,615,195, Oct. 28.
Scale, Mixing. B. Wilson. 2,591,034, Apr. 1.
Scale, Motor operated weighing. M. C. Yeasting. 2,622,868, Dec. 23.
Scale-of-three electronic switches. C. H. Hoeppner. 2,593,452, Apr. 22.
Scale or weighing machine with cursor index weights, Household styled. P. Terraillon. 2,610,051, Sept. 9.
Scale, Pendulum. M. W. Romig. 2,607,580, Aug. 19.
Scale, Pendulum. C. S. Schroeder. 2,618,476, Nov. 18.
Scale prevention in oil wells. J. F. Chittum. 2,592,511, Apr. 8.
Scale, Ratio-indicating weighing. C. O. Marshall, Jr., and M. C. Yeasting. 2,617,641, Nov. 11.
Scale structure. B. P. Adams. 2,593,237, Apr. 15.
Scale, Weighing. J. F. Bengtsson. 2,610,845, Sept. 16.
Scale, Weighing. W. C. Dillon. 2,592,795, Apr. 15.
Scale, Weighing. H. A. Hadley. 2,594,157, Apr. 22.
Scale, Weighing. H. A. Hadley. 2,611,606, Sept. 23.
Scale, Weighing. C. G. Herbst. 2,588,322, Mar. 4.
Scale, Weighing. V. C. Kennedy. 2,623,493, Dec. 30.
Scale, Weighing. L. D. Singleton. 2,613,073, Oct. 7.
Scale, Weighing. L. S. Williams. 2,602,659, July 8.
Scale, Weighing. L. S. Williams. 2,622,867, Dec. 23.
Scale, weight totalizing device. E. W. Schellentrager. 2,610,843, Sept. 16.
Scale with overload safety mechanism, Hydraulic weighing. W. M. Wise. 2,620,177, Dec. 2.
Scaling machine, Power-driven rotary. G. B. Crisp. 2,622,312, Dec. 23.
Scalp protector. E. L. Nell. 2,618,274, Nov. 18.
Scanning circuit arrangement for television and the like apparatus. E. W. Ball. 2,621,307, Dec. 9.
Scanning coils for cathode-ray tubes. C. L. Faudell. 2,585,235, Feb. 12.
Scanning device for television transmitters. H. G. de France and H. Ernyei. 2,582,014, Jan. 8.
Scanning means. B. K. Slonneger. 2,600,583, June 17.
Scanning system. A. M. Grass. 2,605,418, July 29.
Scanning system. F. Rieber. 2,618,764, Nov. 18.
Scanning system and apparatus. L. M. Potts. 2,586,711, Feb. 19.
Scanning system for cathode-ray tubes. R. R. Thalner. 2,612,622, Sept. 30.
Scanning system for color television. G. E. Sleeper. 2,603,706, July 15.
Scarf. W. Tomarkin. 2,600,814, June 17.
Scarf, Convertible. D. B. Rossant. 2,585,686, Feb. 12.
Scarf joint for railroad rails. E. W. Baumann. 2,598,101, May 27.
Scarifying applicator. A. W. Barry. 2,612,162, Sept. 30.
Scavenging engine bearings. W. A. Douglas. 2,609,065, Sept. 2.
Scent disseminator. H. C. Smith. 2,613,989, Oct. 14.
Schmidt type optical projection system for indicating devices. J. T. Soller and M. A. Starr. 2,589,883, Mar. 18.
Scissor type element for removing dents from body and fender panels. F. G. Forster. 2,588,309, Mar. 11.
Scissors, Child's safety. W. M. and G. F. Stilwell. 2,591,740, Apr. 8.
Scissors, Combined thinning and shaping. W. D. Sansom. 2,591,014, Apr. 1.
Scissors, Hair thinning. V. R. Pileggi. 2,606,365, Aug. 12.
Scissors, Pinking. J. J. Carney. Re. 23,503, May 27.
Scissors support and marking-device, Combined. E. Daley. 2,606,331, Aug. 12.
Scissors type cigarette holder. S. C., Sr. and O. Reagan, and C. E. and G. Wood. 2,593,054, Apr. 15.
Scissors with probe used for circumcision. S. H. Goldstone. 2,619,965, Dec. 2.
Scleroscope and clutching mechanism therefor. F. B. Aubert. 2,590,486, Mar. 25.
Scoop and rear apron adjustment for carry-type scrapers. J. Kunneman. 2,607,137, Aug. 19.
Scoop dumping mechanism. H. Schurmann. 2,608,009, Aug. 26.
Scoop, Earth. E. J. Koop. 2,587,487, Feb. 26.
Scoop, Ice-cream. M. C. Mercer. 2,592,720, Apr. 15.
Scoop, Ice cream. E. A. Walling. 2,621,614, Dec. 16.
Scoop, Side-dumping. L. C. Daniels. 2,585,095, Feb. 12.
Scoop swinging mechanism. S. S. Pokorny. 2,599,348, June 3.
Scooter, Collapsible motor. K. T. King. 2,594,034, Apr. 22.
Scooter, Convertible. A. X. Johnson. 2,615,722, Oct. 28.

Score indicator for boxing and the like. L. T. Kaufman. 2,610,792, Sept. 16.
Scotch block. J. C. and N. W. Dockery. 2,582,970, Jan. 22.
Scotophor screens, Making. G. Levy. 2,615,821, Oct. 28.
Scouring pad and manufacturing the same. L. C. Abraham. 2,581,779, Jan. 8.
Scrap bundling and briquetting press. W. Lindemann and F. van Endert. 2,605,657, Aug. 5.
Scraper and apron actuating mechanism. L. McCoy. 2,597,659, May 20.
Scraper attachment for tractors. A. R. Lay. 2,614,345, Oct. 21.
Scraper-blade assembly for plaster mixers and the like. J. Kacena. 2,580,551, Jan. 1.
Scraper device for removing carbon from valve guides, Resiliently expanded. W. H. Spang. 2,584,634, Feb. 5.
Scraper for removing paraffin from oil well pipes. C. W. Earl. 2,583,044, Jan. 22.
Scraper for river bottoms. K. F. Braum and G. T. Griffiths. 2,606,375, Aug. 12.
Scraping and cleaning implement. C. W. Harshbarger. 2,618,005, Nov. 18.
Scraping and leveling machine. C. E. Moody. 2,586,977, Feb. 26.
Scraping and wiping tool. S. McKown. 2,586,472, Feb. 19.
Scraping out device for mining boreholes. J. Dionisotti. 2,599,167, June 3.
Scraping tool. E. P. Heller. 2,590,966, Apr. 1.
Screen: *See*—

Adjustable ventilator screen.	Portable picture screen.
Automobile screen.	Projection screen.
Fireplace screen.	Roll-away screen.
Flexible window screen.	Roller screen.
Fluorescent light screen.	Rolling window screen.
Fluorescent screen.	Shaded screen.
Fly screen.	Shaking screen.
Foldable and packagable window screen.	Television color screen.
Glare screen.	Tension screen.
Luminescent screen.	Viewing screen.
Portable fire screen.	Well screen.
	Window screen.

Screen. P. Warhol. 2,604,989, July 29.
Screen and cabinet for picture projection apparatus, Combined. J. Burleigh and J. Cashman. 2,583,467, Jan. 22.
Screen and lens calculator. H. E. Freeman. 2,591,058, Apr. 1.
Screen attaching and tensioning means. A. Cohen. 2,593,539, Apr. 22.
Screen attachment for windows. H. N. Renton. 2,584,369, Feb. 5.
Screen centrifuge for cleaning clays. K. L. Gerecht. 2,621,793, Dec. 16.
Screen cleaning apparatus. J. A. Streun. 2,601,704, July 1.
Screen comprising a Fresnel surface and projection device comprising such a screen. G. J. Slezen. 2,596,049, May 6.
Screen for spectacles, Removable. R. Passet. 2,602,372, July 8.
Screen for vehicles, Window. V. C. Brown. 2,591,232, Apr. 1.
Screen grid structure for electron discharge tubes. J. L. H. Jonker and A. J. W. M. van Overbeek. 2,613,331, Oct. 7.
Screen leveling device for harvesters. W. L. Stout. 2,587,918, Mar. 4.
Screen printing apparatus. W. M. Reemelin and R. W. Olmsted. 2,588,878, Mar. 11.
Screen printing machine. C. A. Heintges. 2,610,577, Sept. 16.
Screen printing machine. L. R. Wade. 2,581,775, Jan. 8.
Screen printing machine for textiles. J. I. Marek and L. Steinberg. 2,612,835, Oct. 7.
Screen printing table. G. H. Rodenburg and G. Holst. 2,585,989, Mar. 11.
Screen printing table for printing on fabrics. G. H. Rodenburg and G. Holst. 2,623,464, Dec. 30.
Screen roller. H. M. Lockhart. 2,595,364, May 6.
Screen stretching tool. T. D. Picton. 2,587,889, Mar. 4.
Screen supported paper bag for tank cleaners. A. E. Smith. 2,591,382, Apr. 1.
Screen vehicle. W. C. Morris. 2,617,740, Nov. 11.
Screen with slot-and-circular opening-pattern for hammer mills. E. L. Cole. 2,617,600, Nov. 11.
Screened high-frequency circuit element. R. Keitley. 2,615,091, Oct. 21.
Screened positive for use in preparation of intaglio printing plates and making said positive. L. C. Austin. 2,596,115, May 13.
Screening device. J. W. and J. M. Silver. 2,618,385, Nov. 18.
Screening for vehicles. J. T. Flaherty. 2,595,833, May 6.
Screening mill. C. L. and T. R. Sidwell. 2,612,321, Sept. 30.
Screening of fibrous material. J. McCrystle. 2,608,910, Sept. 2.
Screw actuated dispensing mechanism and refill unit therefor. J. Gabler. 2,590,379, June 3.
Screw actuated piston dispenser. J. A. Reed. 2,588,877, Mar. 11.
Screw-adjusted cam closed vise or workholder. V. G. Eslick. 2,620,693, Dec. 9.
Screw and centrifugal pump. D. S. Baker. 2,614,501, Oct. 21.
Screw and nut actuating gear. A. P. M. Cochrane. 2,619,417, Nov. 25.
Screw and nut mechanism. D. Grimley. 2,592,889, Apr. 15.
Screw and nut mechanism. G. Wüensch. 2,590,745, Mar. 25.
Screw and nut transmission mechanism. J. G. Douglas 2,618,166, Nov. 18.
Screw and screw hold applying machine for acoustical tile and the like. M. R. Price. 2,599,283, June 3.
Screw cap remover. A. McD. Hess. 2,589,693, Mar. 18.
Screw closure with retaining means for containers. A. Nadal. 2,588,275, Mar. 4.
Screw controlled ball cock for tanks. M. W. Wuesthoff. 2,582,616, Jan. 15.
Screw drive mechanism. C. J. Westling. 2,606,454, Aug. 12.
Screw driver. L. E. Bailey. 2,581,899, Jan. 8.
Screw driver. W. A. Walker. 2,604,912, July 29.
Screw driver and wrench, Lever arm. G. F. Wales. 2,621,688, Dec. 16.
Screw driver for cans, Clamp type. R. C. Zautner. 2,585,526, Feb. 12.
Screw driver for operating on pole shoes. J. D. Shaker. 2,610,659, Sept. 16.
Screw driver, Screw holding. H. E. Noffsinger. 2,590,564, Mar. 25.
Screw driver, Screw holding. A. L. Stanelle. 2,593,622, Apr. 22.
Screwdriver sharpener, Watchmaker's. A. J. Barrett. 2,592,000, Apr. 8.
Screw driving machine. A. R. Havener. 2,605,792, Aug. 5.
Screw feed mechanism. W. A. Brinkhurst. 2,611,280, Sept. 23.
Screw holding attachment for screw drivers. H. E. Noffsinger. 2,620,000, Dec. 2.
Screw-hole liner. M. Marks. 2,588,860, Mar. 11.
Screw operated jar cap wrench. J. W. Fay. 2,586,214, Feb. 19.
Screw or like nicking machine. V. H. Fray. 2,621,343, Dec. 16.
Screw or the like, Lock. L. N. Brutus. 2,608,229, Aug. 26.
Screw pump. C. O. T. Montelius. 2,590,560, Mar. 25.
Screw pump. C. O. J. Montelius. 2,590,561, Mar. 25.
Screw pump. G. L. Mullins. 2,614,499, Oct. 21.
Screw shell light socket with gripping means. A. W. Gast. 2,618,678, Nov. 18.
Screw slotter. W. C. Anderson. 2,587,951, Mar. 4.
Screw spike, Tell-tale. H. L. Rushing. 2,600,517, June 17.
Screwstock. E. Ernst. 2,616,105, Nov. 4.
Screw stud. H. C. Graham. 2,601,385, June 24.
Screw thread comparator. B. W. Swanson. 2,586,114, Feb. 19.
Screw thread comparator. B. W. Swanson. 2,588,431, Mar. 11.
Screw thread comparator. B. W. Swanson. 2,588,586, Mar. 11.
Screw thread fastener with flexible operator. G. G. Ornstein. 2,623,427, Dec. 30.
Screw thread upsetting tool. W. W. Wynne. 2,582,519, Jan. 15.
Screw threaded elastic closure cap. J. L. Lay. 2,617,553, Nov. 11.
Screw threading apparatus. M. Wernli. 2,622,252, Dec. 23.
Screw-tightening caps on jars by frictional pressure which diminishes as tightening proceeds. F. J. Johnson, F. J. Johnson, Jr., and R. L. Johnson. 2,596,408, May 13.
Screw type article conveying mechanism. J. Hohl and A. F. Trendel. 2,604,200, July 22.
Scribing assembly. Z. Israel. 2,607,992, Aug. 26.
Scrolling and twisting machine. R. L. Long. 2,603,269, July 15.
Scrubber for solvent extraction towers. R. T. Anderson. 2,609,186, Sept. 2
Scuff plate for furniture. C. L. Pettibone. 2,603,909, July 22.
Scythe and stalk cutter, Power. C. T. Patterson. 2,595,976, May 6.
Seawater desalting composition. W. Wood. 2,600,719, June 17.
Seal. C. M. Allen and R. W. Dayton. 2,606,044, Aug. 5.
Seal. W. M. Brooks. 2,610,878, Sept. 16.
Seal. W. M. Brooks. 2,613,095, Oct. 7.
Seal. L. R. Buckendale. 2,593,410, Apr. 22.
Seal. G. Jendrassik. 2,621,946, Dec. 16.
Seal. R. Kreimendahl. 2,591,833, Apr. 8.
Seal. L. G. Krug. 2,593,899, Apr. 22.
Seal. L. G. Krug. 2,608,425, Aug. 26.
Seal. J. H. Sefren. 2,601,996, July 1.
Seal. A. Trask. 2,587,408, Feb. 26.
Seal. S. E. Ullmann. 2,592,494, Apr. 8.
Seal. A. H. Williams. 2,619,369, Nov. 25.
Seal and swivel mounting. J. R. Snyder and J. F. Norton. 2,613,057, Oct. 7.
Seal assembly. W. J. Borchardt. 2,605,994, Aug. 5.
Seal between relatively rotatable parts. W. H. Park. 2,599,122, June 3.

Seal between relatively rotatable parts. W. F. K. Riester. 2,587,222, Feb. 26.
Seal construction. C. W. Stewart. 2,617,668, Nov. 11.
Seal cutter. J. Chicgio. 2,585,536, Feb. 12.
Seal for aircraft controls. A. C. Patch, G. P. Reed, Jr., and J. C. Cobin. 2,620,208, Dec. 2.
Seal for ash hoppers. L. E. Mylting. 2,594,976, Apr. 29.
Seal for axial air gap induction motors. O. H. Shenstone. 2,592,752, Apr. 15.
Seal for axially movable rotary plug valves. F. Hinrichs. 2,615,672, Oct. 28.
Seal for bands and the like. S. P. Turek. 2,619,700, Dec. 2.
Seal for blast furnace hoppers and bells. A. Latham, Jr. 2,599,334, June 3.
Seal for gate valve bonnets. M. P. Laurent. 2,582,996, Jan. 22.
Seal for nonrefillable bottles. J. Torres Véliz. 2,598,024, May 27.
Seal for relatively rotating members. J. B. Stevens and F. Bottomley. 2,587,405, Feb. 26.
Seal for rotors of turbines and like fluid flow machines. L. Islip and S. W. H. Perry. 2,587,326, Feb. 26.
Seal for stoker bearings. P. C. Malmsten. 2,602,679, July 8.
Seal hanger for floating roofs. F. D. Moyer and L. P. Zick. 2,587,508, Feb. 26.
Seal tag. H. F. Stoffel. 2,582,295, Jan. 15.
Sealable food container. D. W. Hughes. 2,613,804, Oct. 14.
Sealed arrester. W. C. Hasselhorn. 2,595,658, May 6.
Sealed beam lamp. R. N. Falge. 2,594,753, Apr. 29.
Sealed bearing unit. A. L. Bergstrom. 2,622,944, Dec. 23.
Sealed dispensing container and sealing the same. D. D. Whyte. 2,598,629, May 27.
Sealed edge slitting machine. E. F. Hill. 2,596,400, May 13.
Sealed electrical circuit components. S. O. Dorst. 2,622,133, Dec. 16.
Sealed envelope and manufacture. B. N. Clack. 2,593,846, Apr. 22.
Sealed flow device. J. B. Letts. 2,613,996, Oct. 14.
Sealed float rod. A. E. Le Van. 2,608,207, Aug. 26.
Sealed ignition unit. C. E. Wolfenbarger. 2,619,513, Nov. 25.
Sealed insulator bushing. H. Carmichael. 2,617,850, Nov. 11.
Sealed lens phototube. R. W. Bordewieck. 2,587,589, Mar. 4.
Sealed metallic container. M. L. Bricout. 2,619,255, Nov. 25.
Sealed packages, Making. L. L. Salfisberg. 2,606,412, Aug. 12.
Sealed seat draft regulator. W. Larsen. 2,620,984, Dec. 9.
Sealed shaft and alignment coupler for use in electrical assembly. O. C. Montgomery. 2,614,157, Oct. 14.
Sealed wheel. F. E. Gaines. 2,617,698, Nov. 11.
Sealer and crimper, Power-operated hydraulic. L. L. Salfisberg. 2,584,815, Feb. 5.
Sealing a glass facing to a surface of a metal body. R. W. Kissinger and R. D. Faulkner. 2,584,354, Feb. 5.
Sealing and dispensing closure for container necks. O. E. Boadway. 2,591,231, Apr. 1.
Sealing and terminating tubular devices. J. Yoder. 2,583,525, Jan. 22.
Sealing arrangement for closed centrifugal separators. G. J. Strezynski. 2,605,045, July 29.
Sealing arrangement for sliding closures. J. W. Kendrick. 2,611,937, Sept. 30.
Sealing assembly. L. G. Saywell. 2,583,019, Jan. 22.
Sealing closure for containers. G. A. Weisgerber. 2,620,939, Dec. 9.
Sealing closure of limited rotatable adjustment for powder boxes or the like. R. Nyden and H. K. Dickerman. 2,605,028, July 29.
Sealing composition and temporarily sealing oil wells. D. C. Bond and G. C. Bernard. 2,607,428, Aug. 19.
Sealing composition and temporarily sealing oil wells. D. C. Bond and M. Savoy. 2,607,427, Aug. 19.
Sealing conductor end structures. H. J. Dixon. 2,590,160, Mar. 25.
Sealing construction for fluid pressure operated brake and clutch assemblies. G. I. Danly. 2,586,617, Feb. 19.
Sealing containers, Method and apparatus for. J. Hohl and O. Bjering. 2,620,111, Dec. 2.
Sealing crevices in oil wells. D. C. Bond. 2,600,195, June 10.
Sealing device. A. M. Chambers, Jr. 2,595,926, May 6.
Sealing device. B. Gross. 2,611,285, Sept. 23.
Sealing device. A. P. Johnstone. 2,598,176, May 27.
Sealing device. D. R. Lewis. 2,601,997, July 1.
Sealing device. L. G. Saywell. 2,600,434, June 17.
Sealing device for meters and the like. R. F. Moore. 2,587,876, Mar. 4.
Sealing device for piston and cylinder assemblies. J. B. Parsons. 2,595,878, May 6.
Sealing device for pumps. H. Hornschuch. 2,584,705, Feb. 5.
Sealing device for regenerator apparatus. J. L. Armstrong. 2,590,293, Mar. 25.
Sealing device for shafts. O. B. Summers. 2,584,513, Feb. 5.
Sealing device, Leak. E. C. Furman. 2,586,640, Feb. 19.
Sealing element. H. Nichols. 2,583,873, Jan. 29.
Sealing element ventilating means for dry seal gas holders. J. H. Wiggins. 2,584,953, Feb. 5.
Sealing fluid lubricant in the hub of a rotating element. A. J. Kayser. 2,592,645, Apr. 15.
Sealing gland. J. V. Dahlgren. 2,612,393, Sept. 30.
Sealing gland for rotary shafts. J. F. Naylor. 2,623,764, Dec. 30.
Sealing glass to sapphire. J. L. Craston. 2,584,427, Feb. 5.
Sealing glass windows to metallic cones for cathode-ray tubes. J. G. W. Mulder and T. Hagenberg. 2,598,286, May 27.
Sealing head mechanism for closing and sealing bags and flexible containers. J. E. Socke. 2,587,663, Mar. 4.
Sealing hollow bodies, such as bottles and similar containers of plastic material. W. K. Archer. 2,588,604, Mar. 11.
Sealing hydrocarbon conversion housings. J. W. Barker. 2,593,404, Apr. 22.
Sealing machine. H. E. Stover. 2,618,424, Nov. 18.
Sealing machine. H. E. Stover. 2,618,426, Nov. 18.
Sealing machine and method. T. E. Piezze. 2,606,850, Aug. 12.
Sealing machine, Envelope. W. H. Uhl. 2,609,790, Sept. 9.
Sealing means. D. W. Osmun. 2,616,504, Nov. 4.
Sealing means. E. A. Rockwell. 2,593,193, Apr. 15.
Sealing means. R. D. Smith and G. T. Turner. 2,607,644, Aug. 19.
Sealing means between rotating and nonrotating machine parts. S. C. W. Wilkinson. 2,599,034, June 3.
Sealing means for primary alkaline dry cells. G. B. Ellis. 2,582,973, Jan. 22.
Sealing means for the hinge edge of doors. H. J. Troche and J. H. Holan. 2,619,204, Nov. 25.
Sealing means for valves. J. H. H. Overholser and M. Sweeney. 2,603,449, July 15.
Sealing mechanism for vertical axis centrifugal pumps. E. Malmvik. 2,622,902, Dec. 23.
Sealing of thermoplastic materials. C. W. Vogt. 2,609,317, Sept. 2
Sealing off well formations. J. Lynes. 2,603,293, July 15.
Sealing openings in well casings and earth formations. A. C. Hamilton, Jr. 2,612,954, Oct. 7.
Sealing, perforating, and stamping machine, Combination. C. H. Heigl. 2,591,935, Apr. 8.
Sealing ring. W. T. Green. 2,590,961, Apr. 1.
Sealing ring. A. H. Heinrich. 2,622,905, Dec. 23.
Sealing ring. T. D. Nathan. 2,615,740-1, Oct. 28.
Sealing snuffers. A. F. Reilly. 2,616,161, Nov. 4.
Sealing steel storage vessels. E. E. Huebotter. 2,598,170, May 27.
Sealing strip. S. D. Bradley. 2,610,713-14, Sept. 16.
Sealing strip. P. E. Clingman. 2,606,635, Aug. 12.
Sealing strip. L. C. Helmgartner, R. J. Bush and P. E. Clingman. 2,612,972, Oct. 7.
Sealing strip for steel sash windows. R. O. Morgann and R. J. Bush. 2,609,071, Sept. 2.
Sealing structure. F. Glassford. 2,609,893, Sept. 9.
Sealing structure of the gasket type. C. L. Scheer. 2,611,506, Sept. 23.
Sealing tab and bookmark, Combined. J. O'Neill. 2,591,094, Apr. 1.
Sealing unit. O. Brummer. 2,586,297, Feb. 19.
Sealing unit. D. R. Lewis. 2,612,390, Sept. 30.
Sealing unit for a valve mechanism. G. B. Stillwagon, Jr. 2,613,907, Oct. 14.
Sealing universal joint assemblies. E. B. Anderson. 2,598,749, June 3.
Sealing washer. A. B. Hammitt and H. L. Birum, Jr. 2,592,028, Apr. 8.
Seals for coaxial electron discharge devices, Making. J. Lysak. 2,603,915, July 22.
Seam for joining the meeting or overlapping edge portions of fabric sections. F. Lutz. 2,595,152, Apr. 29.
Seam opening attachment. J. Katz and F. P. Majoros. 2,587,626, Mar. 4.
Seam presser. M. W. Hakes. 2,606,434, Aug. 12.
Seam presser. N. V. Null and H. L. Thompson. 2,582,151, Jan. 8.
Seam ripper. A. R. Ralston. 2,619,722, Dec. 2.
Seam ripping device. P. A. Schmitt. 2,611,954, Sept. 30.
Seam welded blanks and making them. K. L. Schiff. 2,591,302, Apr. 1.
Seam welder head. E. A. Mallett and M. M. Seeloff. 2,614,146, Oct. 14.
Seam-welding apparatus. J. F. Cachat. 2,582,963, Jan. 22.
Seaming machine, Electronic. W. C. Rykert. 2,583,709, Jan. 29.
Seamless molded fabric breast receiving and supporting members and molding them. R. MacHenry. 2,617,102, Nov. 11.

Seat: *See*—
Adjustable automobile seat.
Adjustable child's seat.
Adjustable height vehicle seat.
Adjustable vehicle seat.
Aisle seat.
Antibuffet seat.
Automobile bumper seat.
Barber's auxiliary seat.
Bathtub seat.
Bucket seat.
Chair seat.
Child's car seat.
Child's foldable toilet seat.
Displaceable vehicle seat.
Fishing reel seat.
Flush tank repair seat.
Folding auxiliary tray provided seat.
Folding seat.
Golf cart seat.
Heated toilet seat.
Horizontally swinging bracket supported seat.
Hydraulically operated valve seat.
Infant's toilet seat.
O ring valve seat.
Portable support seat.
Resiliently mounted vehicle seat.
Reversible chair seat.
Rockable upholstered vehicle seat.
Rotary plug valve seat.
Slide seat.
Spring mounted vehicle seat.
Toilet seat.
Tractor seat.
Valve seat.
Vehicle seat.
Seat, G. J. Lepp, R. C. Bateman, and K. L. Emberson. 2,586,433, Feb. 19.
Seat adjuster assembly. A. J. Rhodes. 2,612,208, Sept. 30.
Sear and back construction, Spring. H. H. Oothoudt. 2,620,861, Dec. 9.
Seat and back rest chair construction, Adjustable. O. N. Hathaway. 2,611,421, Sept. 23.
Seat and back rest, Folding. G. P. McEntire. 2,620,860, Dec. 9.
Seat and back units for upholstered furniture, Removable. S. J. Kostrowski. 2,608,243, Aug. 26.
Seat and bed, Infant's convertible. G. M. Mast, W. R. Gannett, and L. M. Shuh. 2,584,481, Feb. 5.
Seat back for use on board seats, Detachable. J. Celizic. 2,604,144, July 22.
Seat-bed, Convertible. P. Spagnoli. 2,619,657, Dec. 2.
Seat bracket, Tractor tilt-back. F. J. Bonnesen. 2,604,927, July 29.
Seat construction, Adjustable. H. T. Erickson. 2,619,154, Nov. 25.
Seat construction, Movably supported spring. H. C. Flint. 2,591,347, Apr. 1.
Seat controlled mechanism for the control of the operation of motor vehicles. J. A. Morrison. 2,612,232, Sept. 30.
Seat cover. N. R. Seaman. 2,619,156, Nov. 25.
Seat cover. W. L. Weakland. 2,590,664, Mar. 25.
Seat cover stretching and securing device. R. M. Van Doren. 2,589,901, Mar. 18.
Seat cushion construction. J. R. Millar, R. J. Stack, and C. J. Davies. 2,621,712, Dec. 16.
Seat cushion, Portable. V. A. Atkins. 2,600,721, June 17.
Seat for automobiles, Adjustable. D. S. Atkinson. 2,587,679, Mar. 1.
Seat for baby furniture. M. D. Welsh. 2,618,318, Nov. 18.
Seat for chairs, Extensible. M. Greitzer. 2,593,750, Apr. 22.
Seat for dentists, Suspended work. R. J. Haley. 2,589,803, Mar. 18.
Seat for folding chairs, Detachable flexible. W. L. Gittings, L. W. Christianson, and W. C. Johnson. 2,582,864, Jan. 15.
Seat for golf carts. L. F. Lyons. 2,599,928, June 10.
Seat for rotary plug valves. G. T. Downey. 2,623,724, Dec. 30.
Seat for vehicles, Vertically adjustable. J. W. Page. 2,598,421, May 27.
Seat for vehicles and the like, Auxiliary. C. E. Mitchell. 2,587,194, Feb. 26.
Seat having torsion spring suspension. A. S. Krotz and R. R Cowden. 2,588,638, Mar 11.
Seat mounting for theater chairs or the like. W. E. Nordmark. 2,582,599-600, Jan. 15.
Seat or mattress support. C. A. Karg. 2,615,178, Oct. 28.
Seat position lock. R. F. Tatom. 2,599,079, June 3.
Seat sanitizer, Toilet. H. F. Smith. 2,616,097, Nov. 4.
Seat spring. K. R. Dye and M. Stubnitz. 2,613,732, Oct. 14.
Seat structure. W. E. Burnett. 2,583,410, Jan. 22.
Seat structure for school desks. P. F. Douglas. 2,592,872, Apr. 15.
Seat support for use with dental chairs, Auxiliary. C. W. Johnson and J. T. Clark. 2,596,561, May 13.
Seat supporting bracket. E. B. Morgan and A. J. Plachecki. 2,597,255, May 20.
Seat supporting structure. W. F. Ardussi. 2,614,608, Oct. 21.
Seat swivel. W. H. Scott. 2,618,315, Nov. 18.
Seat, table, and benches, Combination. M. D. Jerdee. 2,618,314, Nov. 18.
Seat, table, and playpen, Combined. C. R. Leitner. 2,595,532, May 6.
Seat-table unit. A. G. Dean and W. H. Chandlee, Jr. 2,604,930, July 29.
Seat track of the vertical adjustable type for automotive vehicles. A. H. Haberstump. 2,609,029, Sept. 2.
Seating and sleeping unit. J. Kronheim. 2,599,396, June 3.
Seating device, Juvenile. H. T. Muri. 2,581,279, Jan. 1.
Sebacic acid, Production of. F. W. Lane. 2,580,931, Jan. 1.
Secateur embodying a wire cutter. P. H. Grinling. 2,618,850, Nov. 25.
Secondary air supply system and nozzle for underfeed stokers. E. C. Webb. 2,582,808, Jan. 15.
Secondary clock motor. V. Pfeffer. 2,623,185, Dec. 23.
Secondary electron emissive electrode and its making. C. S. Bull and A. H. Atherton. 2,585,534, Feb. 12.
Secondary - electron - emitting surface. J. Bramley. 2,620,287, Dec. 2.
Secondary emission electrodes, Making. M. Arditi and W. D. Urban. 2,586,771, Feb. 26.
Secondary-emission electron discharge device. D. A. Jenny. 2,622,218, Dec. 16.
Secondary feed and moistening device for hectograph duplicating machines. R. M. Ford. 2,587,455, Feb. 26.
Secondary feed and moistening device for hectograph duplicating machines. R. M. Ford. 2,589,790, Mar. 18.
Secondary galvanic cells and electrodes of such cells. P. Sallsbury-Rowswell. 2,609,407, Sept. 2.
Secondary octyl ether of tri-iodo phenol as an X-ray contrast media. G. Newbery and D. D. Libman. 2,622,100, Dec. 16.
Secrecy system wherein frequency bands of messages are intermixed during multiplexing. W. Milliquet. 2,586,475, Feb. 19.
Sectional buffing wheel. W. F. Sheppard. 2,582,076, Jan. 8.
Sectional container. D. D. Ball. 2,610,760, Sept. 16.
Sectional container. J. H. Taberer. 2,595,113, Apr. 29.
Sectional cover for protecting the focusing mechanism of binoculars. N. Kershaw and H. Ryder. 2,581,865, Jan. 8.
Sectional demountable steam generator. C. E. Bishop. 2,589,218, Mar. 18.
Sectional drawn sheet metal body for air-heating furnaces. C. Harris. 2,585,650, Feb. 12.
Sectional folding beauty-health board with rocker means. G. V. Reager. 2,588,762, Mar. 11.
Sectional housing construction and support means therefor. E. D. Rapisarda. 2,601,056, June 17.
Sectional inner tube. J. A. Parthemore. 2,592,181, Apr. 8.
Sectional receptacle. L. D. Young. 2,581,778, Jan. 8.
Sectional refrigerator cabinet. L. A. Philipp. 2,622,753, Dec. 23.
Sectional top folding wall table. H. W. Terrell. 2,580,618, Jan. 1.
Sectional work connected table. P. Rosenberg. 2,582,935, Jan. 15.
Sectionalized bottle carrier. R. B. Barker. 2,589,526, Mar. 18.
Sectionalized case for turbines and the like. G. A. Biggs. 2,611,578, Sept. 23.
Sectionizing citrus fruits. R. Polk, Sr., and R. Polk, Jr. 2,607,381, Aug. 19.
Sector scanning radar device. C. P. Spaulding. 2,585,868, Feb. 12.
Securing a navy type backstrap to a navy type low shoe. J. W. Foley. 2,607,060, Aug. 19.
Securing device. C. C. Drury. 2,584,194, Feb. 5.
Securing flexible sheets to relatively stiff backings. D. J. Douglas. 2,620,289, Dec. 2.
Securing light sockt cups to supporting plates. C. D. McCann. 2,604,580, July 22.
Securing liners to firearm barrels. J. C. Garand. 2,609,631, Sept. 9.
Securing means for outboard motors. M. D. Consolo and G. V. Clanton. 2,600,095, June 10.
Securing means for umbrella tops. D. December. 2,582,749, Jan. 15.
Securing means for wall base plates. W. M. Goldsmith. 2,604,776, July 29.
Securing mechanism for Venetian blind lifting cords, Detachable. P. Machroll. 2,602,503, July 8.
Securing metal members together. R. R. Cameron. 2,618,726, Nov. 18.
Sediment settling and removing device. H. W. Hapman. 2,588,233 Mar. 4.
Sediment test card. J. G. Lucas. 2,597,350, May 20.
Sediment tester head. W. D. Lucas, W. Erbert, and J. S. Kessler. 2,622,435, Dec. 23.
Sediment trap F. W. Von Tungeln. 2,588,437, Mar. 11.
Sedimentation apparatus and drive. R. Chelminski. 2,604,078, July 22.
Sedimentation device. D. K. Hines. 2,588,115, Mar. 4.
Sedimentation tower. R. E. Payne. 2,597,899, May 27.
Sedimentation unit. F. L. Graner and C. H. Scott. 2,585,006, Feb. 12.
Sedimentation unit. C. H. Scott. 2,589,298, Mar. 18.
Seed and fertilizer distributing runner. U. B. Stevenson. 2,623,483, Dec. 30.
Seed and fertilizer spreader. H. and H. A. Skibbe. 2,594,084, Apr. 22.
Seed celling machine. R. W. Arengo-Jones. 2,614,593, Oct. 21.
Seed cleaner and separator. G. Slayter. 2,614,691, Oct. 21.
Seed drier. E. T. Eaton. 2,622,345, Dec. 23.
Seed hopper and rotary auger feeding to auxiliary hopper. I. E. Dorschner. 2,612,294, Sept. 30.

Seed mechanism for grain drills. J. Higginson. 2,599,452, June 3.
Seed planter. J. L. Binkley. 2,619,259, Nov. 25.
Seed planter attachment. L. H. Sarlls. 2,605,020, July 29.
Seed planter with electrically vibrated feed trough. A. F. and F. L. Goldsby. 2,609,123, Sept. 2.
Seed stripper. H. C. Stafford. 2,623,344, Dec. 30.
Seed treater. B. C. Dill. 2,587,708, Mar. 4.
Seed treating machine. M. W. Guyer. 2,600,641, June 17.
Seeder attachment for vehicle bodies. A. F. Trees. 2,619,355, Nov. 25.
Seeder drive arrangement. C. W. Walz and H. F. Clausen. 2,596,060, May 6.
Seeding distributing structure. H. K. Richwine. 2,605,016, July 29.
Seesaw, Rotating. A. E. Schmechel. 2,581,302, Jan. 1.
Segregating adjoining printed impressions. R. R. Richter. 2,601,325, June 24.
Seismic exploration. T. C. Poulter. 2,615,523, Oct. 28.
Seismic exploration apparatus. A. C. Winterhalter. 2,609,438, Sept. 2.
Seismic exploration employing elevated charges. T. C. Poulter. 2,615,522, Oct. 28.
Seismic exploration employing elevated charges. T. C. Poulter. 2,615,524, Oct. 28.
Seismic exploration method. C. H. Carlisle. 2,619,186, Nov. 25.
Seismic exploration method. R. W. Mann. 2,604,954, July 29.
Seismic exploration method. J. R. Ording. 2,622,691, Dec. 23.
Seismic frame structure. C. E. Crede. 2,586,307, Feb. 19.
Seismic method and apparatus. J. P. Woods. 2,592,780, Apr. 15.
Seismic prospecting. B. D. Lee and G. Herzog. 2,620,890, Dec. 9.
Seismic prospecting. J. P. Minton. 2,599,064, June 3.
Seismic prospecting. Method and apparatus for. R. S. Finn. 2,599,245, June 3.
Seismic prospecting system. G. M. Groenendyke. 2,590,530, Mar. 25.
Seismic prospecting with optimum geophone coverage. J. F. Bayhi and J. T. Baker. 2,623,113, Dec. 23.
Seismic signal amplifying system. J. E. Hawkins. 2,611,024, Sept. 16.
Seismic surveying. R. P. Green. 2,594,767, Apr. 29.
Seismic surveying. W. H. Mayne. 2,591,177, Apr. 1.
Seismic surveying. J. O. Parr, Jr. 2,586,706, Feb. 19.
Seismic surveying. J. O. Parr, Jr. 2,591,192, Apr. 1.
Seismic-wave generation. D. Silverman. 2,609,885, Sept. 9.
Seismograph amplifier control. C. H. Fay and T. J. Tyedt. 2,600,051, June 10.
Seismometer. R. L. Congdon. 2,582,769, Jan. 15.
Seismometer. R. G. Piety and M. E. Thomas. 2,593,052, Apr. 15.
Seismometer. M. E. Thomas. 2,623,938, Dec. 30.
Selectable recording means for accounting machines. P. Spurlino and M. D. Frost. 2,604,041, July 22.
Selecting and lockout circuit. G. Hecht. 2,609,454, Sept. 2.
Selecting mechanism for color weft insertion. H. J. Cooper. 2,594,398, Apr. 29.
Selecting system. R. M. M. Oberman. 2,582,349, Jan. 15.
Selection and operation mechanism for totalizator ticket machine registers. J. Handley. 2,601,949, July 1.
Selection circuits. P. L. Law. 2,611,814, Sept. 23.
Selection mechanism. G. K. Hurni. 2,583,377, Jan. 22.
Selection of predetermined interruption pulse for frame synchronization. C. N. Smyth. 2,583,021, Jan. 22.
Selective adsorption of nonpolar organic compounds. A. E. Hirschler. 2,614,135, Oct. 14.
Selective article spacing apparatus for conveyers. H. E. Temple. 2,595,022, Apr. 29.
Selective calling system. R. H. Herrick. 2,591,937, Apr. 8.
Selective calling system. R. J. Lense and A. S. Holzinger. 2,602,852, July 8.
Selective calling system. H. C. Waterman and M. R. Winkler. 2,583,032, Jan. 22.
Selective color display projection apparatus. M. H. Harris and R. E. McKee. 2,591,428, Apr. 1.
Selective communication system. C. H. Hoeppner. 2,600,405, June 17.
Selective control of fuel nozzle manifolds to vary discharge flow capacity. H. L. Hildestad. 2,617,478, Nov. 11.
Selective copolymerization of isobutylene from a C_4 mixture. H. G. Schneider, D. W. Young, and H. G. Goering. 2,604,465, July 22.
Selective control apparatus. J. J. Alles. 2,598,748, June 3.
Selective direction television and high-frequency antenna system. M. P. Middlemark. 2,609,503, Sept. 2.
Selective electrodeposition of silver. J. C. Griess, Jr., and L. B. Rogers. 2,612,470, Sept. 30.
Selective fire converter for semiautomatic firearms. A. F. Gaidos. 2,587,460, Feb. 26.
Selective flotation of zinc. L. G. Hendrickson, P. L. Dixon, and B. E. Lyle. 2,595,076, Apr. 29.
Selective gas adsorber. C. J. Lambertsen. 2,586,670, Feb. 19.
Selective hydrodesulfurization process. L. U. Franklin. 2,587,987, Mar. 4.
Selective keyboard clearing means. J. A. Maffe. 2,590,335, Mar. 25.
Selective olefinic polymers, Production of. J. A. Chenicek. 2,614,137, Oct. 14.
Selective orienting button positioning machine. F. W. Troske. 2,595,206, Apr. 29.
Selective oxidation with suspended catalyst. W. F. Rollman. 2,604,479, July 22.
Selective printing and punching mechanism. E. B. Johnson. 2,580,788, Jan. 1.
Selective punching and dispensing mechanism. V. A. Turner, B. S. and F. S. Alden. 2,581,221, Jan. 1.
Selective recovery of molybdenum sulfide by flotation. N. Arbiter and O. E. Young. 2,608,298, Aug. 26.
Selective refrigeration and heating installation. A. J. Laing. 2,622,849, Dec. 23.
Selective remote-control system. J. H. Hammond, Jr. 2,583,373, Jan. 22.
Selective remote control system. J. H. Hammond, Jr. 2,601,393, June 24.
Selective separation of acidic gases. A. J. L. Hutchinson. 2,613,132, Oct. 7.
Selective separation of gel particles. P. B. Weisz. 2,607,482, Aug. 19.
Selective sideband transmission and reception system. D. E. Norgaard. 2,611,036, Sept. 16.
Selective signal receiving device. H. A. Stickel. 2,595,614, May 6.
Selective signal transmission system. H. Jankowski. 2,611,025, Sept. 16.
Selective signaling system. H. C. Harrison. 2,602,853, July 8.
Selective signaling system. C. N. Hickman. 2,589,806, Mar. 18.
Selective signaling system. E. Vroom. 2,619,528, Nov. 25.
Selective squelch circuit. G. D. Hanchett, Jr. 2,590,310, Mar. 23.
Selective sterilization of food products. J. J. Meehan. 2,614,938, Oct. 21.
Selective system. M. Den Hertog and H. H. Adelaar. 2,595,378, May 6.
Selective telephonic music distributing system and apparatus. G. P. Ellis. 2,586,213, Feb. 19.
Selective transfer manifolding assembly. R. W. Winston. 2,585,418, Feb. 12.
Selective turbopropeller jet power plant for aircraft. F. Pope. 2,587,649, Mar. 4.
Selective wave filter. G. R. Clark. 2,584,986, Feb. 12.
Selective web transfer control for paper machinery. J. E. Goodwillie. 2,622,492, Dec. 23.
Selectively automatic, stitch-varying device. A. Marasco. 2,623,487, Dec. 30.
Selectively exposing the grains of a mixed grain photographic emulsion. B. H. Carroll and W. T. Hanson, Jr. 2,592,243, Apr. 8.
Selectively reducing ferrous chloride in the solid phase from a solid mixture of $FeCl_2$ and $MnCl_2$. M. E. Graham and E. A. Beidler. 2,596,073, May 6.
Selectively reducing ferrous chloride in the vapor phase from a gaseous mixture of manganese and ferrous chloride. M. E. Graham and E. A. Beidler. 2,596,072, May 6.
Selector arrangement for seismic prospecting system. K. W. McLoad. 2,590,531, Mar. 25.
Selector circuit for phonographs, Coin-controlled. A. E. Reiman. 2,606,640, Aug. 12.
Selector control system. A. A. Ashton. 2,611,249, Sept. 23.
Selector for automatic phonographs. H. G. Jensen. 2,621,241, Dec. 9.
Selector for automatic phonographs. H. G. Jensen. 2,622,144, Dec. 16.
Selector mechanism. G. V. Bloomfield. 2,620,813, Dec. 9.
Selector mechanism. G. X. Lens. 2,589,267, Mar. 18.
Selector switch. H. A. and J. Kliegl. 2,594,181, Apr. 22.
Selector switch brush. G. Deakin. 2,591,683, Apr. 8.
Selector valve. R. B. Campbell. 2,621,050, Dec. 9.
Selector valve. J. R. Snyder. 2,591,102, Apr. 1.
Selector valve-automatic holding and cutoff. C. H. Cooke. 2,598,891, June 3.
Selector valve mechanism. A. J. Miller, W. C. Weidner and J. Kolody. 2,608,212, Aug. 26.
Selenium and like rectifier stack. S. Tarzian. 2,620,384, Dec. 2.
Selenium dioxide, Preparing. R. Roseman, R. W. Neptune, and B. W. Allan. 2,616,791, Nov. 4.
Selenium rectifier including tellurium and making it. J. N. Shive. 2,608,611, Aug. 26
Self-adjusting airtight door. P. E. H. Forsans. 2,606,865, Aug. 12.
Self-adjusting and locking rat guard for mooring lines. J. A. Osol. 2,617,378, Nov. 11.
Self-adjusting and manually adjustable wrench. F. J. Carnelli. 2,606,473, Aug. 12.
Self-adjusting disk brake. M. B. Lucker, C. R. Myers, and L. F. Dasse. 2,607,442, Aug. 19.
Self-adjusting finger ring. B. Axel. 2,615,314, Oct. 28.
Self-adjusting wrench. F. J. Carnelli. 2,585,090, Feb. 12.
Self-adjusting wrench. C. B. Lober. 2,599,114, June 3.

Self air-escaping floating valve. R. M. Manning. 2,598,706, June 3.
Self-aligning armature. S. F. Jarvis and J. R. Burch. 2,584,707, Feb. 5.
Self-aligning bearing. J. L. Foster. 2,611,663, Sept. 23.
Self-aligning belt idler. H. S. Hersey. 2,609,084, Sept. 2.
Self-aligning controlled friction bearing. F. B. Bolte. 2,596,202, May 13.
Self-aligning idler roller for belt conveyers. O. Rawlinson. 2,619,223, Nov. 25.
Self-aligning unimount drive. J. D. Rieser. 2,603,983, July 22.
Self-aligning vertical shaft. N. E. Svensjo. 2,606,082, Aug. 5.
Self-applying electromagnetically releasable brake. R. H. Stearns. 2,620,901, Dec. 9.
Self-balancing cabinet. C. Sutera. 2,592,760, Apr. 15.
Self-balancing electrical system and method. A. J. Williams, Jr. 2,584,954, Feb. 5.
Self-balancing, self-standardising measuring system. W. E. Phillips and E. J. Crunch. 2,610,311, Sept. 9.
Self-centering bale handler. D. W. Gault. 2,613,829, Oct. 14.
Self-centering chuck. T. Evangelista. 2,581,474, Jan. 8.
Self-centering means for aircraft casterable landing wheel mountings. H. Shawbrook and E. F. Hillier. 2,614,777, Oct. 21.
Self-cleaning clothesline cleaner. A. Mottelson. 2,604,650, July 29.
Self-cleaning endless track. G. W. Curtis. 2,592,541, Apr. 15.
Self-cleaning filter. T. R. Smith. 2,621,797, Dec. 16.
Self-cleaning gas safety tank. J. D. Hollcroft. 2,580,547, Jan. 1.
Self-cleaning valve. J. W. Boyd. 2,600,836, June 17.
Self-cleaning valve. E. Woodward. 2,615,465, Oct. 28.
Self-clearing blanking dies. J. Sontar. 2,605,835, Aug. 5.
Self-clearing star feeder. L. E. Mylting. 2,594,974, Apr. 29.
Self-closing gate. J. W. Chamberlain. 2,587,287, Feb. 26.
Self-closing paste tube. L. A. Parker. 2,596,592, May 13.
Self-closing safety pin. R. E. Tomb. 2,618,035, Nov. 18.
Self-compensating accumulator. R. E. Snyder. 2,592,613, Apr. 15.
Self-contained rotary device. F. Scognamillo. 2,590,727, Mar. 25.
Self-developing pocket radiation dosimeter. K. G. Stern. 2,624,011, Dec. 30.
Self-energizing past dead center mechanism. P. H. Taylor. 2,621,523, Dec. 16.
Self-equalizing brake. J. Hertrich. 2,623,615, Dec. 30.
Self-equalising driving chuck. R. E. Schulz. 2,604,804, July 29.
Self-equalizing thermal valve. F. M. MacDougall. 2,605,050, July 29.
Self-extinguishing cellulose acetate molding compositions. L. W. A. Meyer and W. M. Gearhart. 2,618,568, Nov. 18.
Self-feeder. C. C. Fuls. 2,612,137, Sept. 30.
Self-feeding lubricator. E. Martin. 2,588,026, Mar. 4.
Self-framing photographic film unit containing a liquid, and process for producing framed positive images. E. H. Land. 2,612,450, Sept. 30.
Self-heated stock watering tank. D. W. Clifford. 2,606,548, Aug. 12.
Self-heating can. E. H. Stofel. 2,606,547, Aug. 12.
Self-heating container. E. J. Rivoche and L. Sukacev. 2,620,788, Dec. 9
Self-heating container. L. Sukacev. 2,615,443, Oct. 28.
Self-heating container. L. Sukacev. 2,623,515, Dec. 30.
Self-ignition gas burner. H. Waters. 2,586,278, Feb. 19.
Self-leveling and stabilizing jack. H. J. Rimbach. 2,581,706, Jan. 8.
Self-leveling dispenser. T. Jensen. 2,601,295, June 24.
Self-leveling supporting device. N. S. Ruth. 2,600,518, June 17.
Self-leveling, storing and dispensing apparatus. C. H. Larsen. 2,609,265, Sept. 2.
Self leveling tiltable vacuum gauge S. B. Lippincott. 2,608,096, Aug. 26.
Self-lifting iron. J. L. Cochran. 2,602,247, July 8.
Self-lighting pipe. E. W. Nicholson and E. Goats. 2,595,534, May 6.
Self-line cleaning pulley. W. H. Zimballst. 2,602,951, July 15.
Self-loading and self-dumping vehicle. J. W. Daniels. 2,609,951, Sept. 9.
Self-loading and unloading vehicle. H. J. van Doorne. 2,613,827, Oct. 14.
Self-loading device for shaker conveyers. J. Bugos. 2,581,356, Jan. 8.
Self-loading device for shaker conveyers. J. H. Holstein. 2,623,631, Dec. 30.
Self loading pressure accumulator. M. W. Huber. 2,605,716, Aug. 5.
Self-locking bob pin. J. C. Santis. 2,620,808, Dec. 9.
Self-locking box. T. Ochar. 2,610,783, Sept. 16.
Self-locking cashbox. H. E. Forester. 2,580,752, Jan. 1.
Self-locking connecting means. J. Wandy. 2,601,651, June 24.
Self-locking chuck. W. A. Smith. 2,617,657, Nov. 11.
Self-locking coupling pin. H. A. Hanson. 2,601,802, July 1.
Self-locking device. R. B. Houplain. 2,597,798, May 20.
Self-locking folding box. R. B. Meller. 2,605,955, Aug. 5.
Self-locking folding box. R. B. Meller. 2,617,580, Nov. 11.
Self-locking grappling unit. C. W. Knapp. 2,602,001, July 1.
Self-locking mechanism for tilting top drafting tables. E. Laxo. 2,605,156, July 29.
Self-locking nut. H. O. Engstrom. 2,580,745, Jan. 1.
Self-locking nut. R. L. Hallock. 2,598,052, May 27.
Self-locking nut. C. E. Nagel. 2,595,201, Apr. 29.
Self-locking nut, Making a. H. O. Engstrom. 2,592,128–9, Apr. 8.
Self-locking slider. L. H. Morin. 2,616,141, Nov. 4.
Self-locking trailer coupling unit. L. W. Caughman. 2,591,916, Apr. 8.
Self-locking twin garment hanger. B. Weiss. 2,580,493, Jan. 1.
Self-lubricated plastics. J. J. Pyle. 2,600,321, June 10.
Self-lubricated turbine drive and gear reduction unit. R. Cliborn. 2,615,533, Oct. 28.
Self-lubricating hinge pin. M. De Graaf. 2,588,216, Mar. 4.
Self-lubricating radial and thrust bearing. A. W. Kogstrom. 2,591,832, Apr. 8.
Self-lubricating vehicle spring. F. R. Brooks and A. J. Turner. 2,585,367, Feb. 12.
Self-operating evaporative cooler. W. C. De Witt. 2,601,600, June 24.
Self-piloted rotary drill bit. O. Phipps. 2,607,562, Aug. 19.
Self-posing device with adjustable periscopic view finder. J. T. Foufounis. 2,589,363, Mar. 18.
Self-powering fluid brake. W. P. Kessel and J. F. Shafer. 2,609,894, Sept. 9.
Self-powered turbosupercharger starter system for internal-combustion engines. F. Nettel. 2,585,029, Feb. 12.
Self-quench superregenerative receiver. D. Richman. 2,616,039, Oct. 28.
Self-regulating fluid heater. R. G. Phillips. 2,619,944, Dec. 2.
Self-renewing valve. A. T. Murray. 2,614,791, Oct. 21.
Self-scoring test device. E. M. Clark. 2,614,338, Oct. 21.
Self-sealing packer. C. K. Morgan. 2,620,036, Dec. 2.
Self-sealing test plug. S. S. Johns. 2,581,536, Jan. 8.
Self-sealing test plug. O. Maisch. 2,581,537, Jan. 8.
Self-sealing tube insert. H. Schultz. 2,620,830, Dec. 9.
Self-service system for salesrooms of stores. E. S. Lee. 2,603,315, July 15.
Self-setting rodent trap. G. B. Wilken. 2,615,278, Oct. 28.
Self-sharpening safety razor. W. R. and B. M. Ewing. 2,602,221, July 8.
Self-starter with safety cutout, Automobile. H. W. Lindenmuth. 2,584,477, Feb. 5.
Self-starting direct-current motor. P. H. Morganson. 2,595,870, May 6.
Self-starting synchronous motor. J. J. Solon. 2,602,103, July 1.
Self-sterilizing hair drier. L. Jacobowitz. 2,619,735, Dec. 2.
Self-supporting automobile structure and wheel supporting beam secured by vertical bolts. A. R. Lindsay. 2,590,025, Mar. 18.
Self-supporting films from polyvinyl halide latex. H. F. Park and M. J. Scott. 2,600,681, June 17.
Self-supporting metallic edge type filter unit. J. P. Kovacs. 2,622,738, Dec. 23.
Self-sustaining gas tube circuit. W. M. Webster, Jr. 2,591,899, Apr. 8.
Self-sustaining sawtooth current generator. J. E. Bridges. 2,591,914, Apr. 8.
Self-tightening weatherstrip. C. H. Fry. 2,589,364, Mar. 18.
Self-unloading conveyer body. E. Oklejas. 2,609,115, Sept. 2.
Self-venting valve. J. B. McCabe. 2,589,622, Mar. 18.
Selsyn apparatus for navigational systems. L. G. Duggar. 2,604,529, July 22.
Selvage edge construction in woven elastic fabric. A. Schiappa. 2,582,169, Jan. 8.
Selvage finishing mechanism. W. N. Hadley. 2,594,918, Apr. 29.
Selvage guiding and drying apparatus. J. Dungler. 2,595,233, May 6.
Selvage loop cutting mechanism. W. N. Hadley. 2,594,919, Apr. 29.
Selvage motion. P. W. Morrison. 2,602,471, July 8.
Selvage opening means. J. C. Sutton. 2,581,821, Jan. 8.
Selvage shuttle operating mechanism for looms. N. Fletcher and W. Y. Robb. 2,587,454, Feb. 26.
Semiautomatic label-applying machine. S. T. Carter. 2,606,205, June 10.
Semiautomatic pin-setting-up and ball-returning apparatus for bowling alleys. J. E. Laferriere. 2,584,596, Feb. 5.
Semiautomatic pipe nipple threading machine. I. D. Jacobson and R. F. Herr. 2,621,346, Dec. 16.
Semiautomatic pivot polisher. J. E. R. Markert and J. D. Smith. 2,614,465, Oct. 21.
Semiautomatic rotary cable tool dresser. M. W. Ives. 2,615,353, Oct. 28.
Semiautomatic speed changing device. R. Chambonneau. 2,622,711, Dec. 23.

Semiclosed circuit type gas turbine plant having extraction controlled by circuit turbine governor. R. Strub. 2,619,798, Dec. 2.
Semiconduction electrode construction. H. B. Law. 2,609,429, Sept. 2.
Semiconductive cell. O. Saslaw. 2,610,386, Sept. 16.
Semiconductive materials for translating devices, Preparation of. J. H. Scaff and H. C. Theuerer. 2,602,763, July 8.
Semiconductor amplifier and electrode structure therefor. J. Bardeen, and W. H. Brattain. 2,617,865, Nov. 11.
Semiconductor signal translating device. R. J. Kircher. 2,623,103, Dec. 23.
Semiconductive signal translating device. W. G. Pfann. 2,586,080, Feb. 19.
Semiconductor device for two-stage amplifiers. W. M. Webster, Jr. 2,595,497, May 6.
Semiconductor multivibrator circuit. E. Eberhard. 2,605,306, July 29.
Semiconductor signal translating device. R. J. Kircher. 2,603,693–4, July 15.
Semiconductor signal translating device. W. E. Kirkpatrick and R. W. Sears. 2,589,704, Mar. 18.
Semiconductor signal translating device with controlled carrier transit times. J. R. Haynes and W. Shockley. 2,600,500, June 17.
Semiconductor translating device. A. R. Moore. 2,600,373, June 10.
Semiconductor translating device having controlled gain. W. Shockley and M. Sparks. 2,623,105, Dec. 23.
Semicontinuous plating, Process and apparatus for. L. H. Gerner and G. E. Reitter. 2,587,036, Feb. 26.
Semihard rubber composition and platen cover thereof. C. H. Schroeder. 2,588,993, Mar. 11.
Semipermeable membrane. R. T. K. Cornwell and J. Zender. 2,593,540, Apr. 22.
Semitrailer construction. E. F. Crockett. 2,610,891, Sept. 16.
Sender test circuit. C. O. Parks. 2,599,409, June 3.
Sensing device for sorting apparatus. T. T. Short. 2,593,206, Apr. 15.
Sensing means for record controlled sorting machines. N. G. Holden. 2,623,693, Dec. 30.
Sensing mechanism. K. J. Braun and F. Miller, Jr. 2,589,987, Mar. 18.
Sensing mechanism. F. M. Carroll and G. M. Gurley. 2,620,978, Dec. 9.
Sensing speed with pressure output, Method and device for. J. G Wilson. 2,599,797, June 10.
Sensitive diazotype sheet for screen reflectography comprising a screen skin. L. P. F. van der Grinten. 2,602,740, July 8.
Sensitive door edge device. W. Hamilton. 2,610,268, Sept. 9.
Sensitive hydraulic tracer valve. W. I. Evans. 2,612,184, Sept. 30.
Sensitive manometer. S. S. Carlisle and B. O. Smith. 2,620,665, Dec. 9.
Sensitivity adjustment for weighing scales. M. A. Weckerly. 2,584,950, Feb. 5.
Sensitivity time control. J. E. Maynard and R. L. Shetler. 2,602,922, July 8.
Sensitized sheets for screen reflectography. L. P. F. van der Grinten and M. M. P. Vallen. 2,602,741, July 8.
Sensitized sheets provided with a screen. W. M. Buskes, T. P. W. Sanders, M. M. P. Vallen and K. M. Hutgens. 2,602,742, July 8.
Sensitizing, recording and desensitizing apparatus. A. N. Goldsmith. 2,602,016, July 1.
Separable and collapsible article simulating a Christmas tree. M. Fridinger. 2,611,688, Sept. 23.
Separable binder ring assembly. I. Spinner. 2,602,542, July 8.
Separable electrical connector. A. L. Riche. 2,591,009, Apr. 1.
Separable fastener. B. J Cosneck. 2,594,609, Apr. 29.
Separable fastener. G. A. Tinnerman. 2,616,142, Nov. 4.
Separable fastener. G. Waldes. 2,607,715, Aug. 19
Separable fastener rotating head. L. A. Roman. 2,595,485, May 6.
Separable fastening apparatus for structure wall attachments. W. R. Tonge and R. H. Gill. 2,585,285, Feb. 12.
Separable pin fastener. D. H. Bowder. 2,621,386, Dec. 16.
Separable slide fastener. O. J. Moehler. 2,583,386, Jan. 22.
Separable slide fastener. O. J. Moehler. 2,588,648, Mar. 11.
Separating acetylene. M. Levine and R. M. Isham. 2,623,611, Dec. 30.
Separating acrylic acid esters, alcohols, and nickel chloride from mixtures thereof. J. L. Vaughan and D. R. Merrill. 2,582,299, Jan. 15.
Separating assembly for dehydrating plants. W. L. McGehee 2,617,530, Nov. 11.
Separating butterfat from globules thereof. S. Patton, and C. M. Stine. 2,617,731 Nov. 11.
Separating C_5 diolefins. C. E. Morrell and L. M. Welch. 2,614,969, Oct. 21.
Separating colloidally dispersed iron particles from organic liquids. E. Mitchell. 2,590,997, Apr. 1.
Separating crystalline amino acids mixtures from natural proteins. H. S. Hess. 2,605,284, July 29.
Separating diaryl-2-imino hydantoins from the corresponding 2,5-di-imino glycolurils. H. W. Carhart and F. C. Teague 2,596,126, May 13.
Separating diorganohalogenosilanes from mixtures of the latter and organotrihalogenosilanes. G. R. Lucas. 2,594,946, Apr. 29.
Separating dust from a gas. G. H. Frangquist. 2,588,106, Mar. 4.
Separating fatty acids. E. Schlenker. 2,589,148, Mar. 11.
Separating finely divided substances, Process and apparatus for. J. Dulait. 2,606,659, Aug. 12.
Separating gas from liquids. A. S. Parks. 2,595,602, May 6.
Separating gases by diffusion. F. A. Schwertz. 2,589,297, Mar. 18.
Separating gases, Method and apparatus for. I. Roberts. 2,582,068, Jan. 8.
Separating granular material, Method and apparatus for. J. G. Whitfield. 2,607,484, Aug. 19.
Separating hydrocarbon waxes. A. A. Schaerer. 2,603,589, July 15.
Separating isobutylene polymers from reaction mixtures. H. G. Hipkin, H. B. Horwitz, and A. G. Rogers. 2,607,763, Aug. 19.
Separating lactams. K. Kahr. 2,605,261, July 29.
Separating light hydrocarbon from high-pressure gas. D. T. McDonald, Jr., and T. H. King. 2,608,270, Aug. 26.
Separating materials of different specific gravity, Method of and apparatus for. K. R. Wendt. 2,620,069, Dec. 2.
Separating metal halides. D. M. Warburton. 2,594,370, Apr. 29.
Separating normal aliphatic hydrocarbons from organic mixtures thereof. H. V. Hess, G. B. Arnold, and J. K. Truitt. 2,589,380, Mar. 18.
Separating normal paraffins from isoparaffins by a solid adsorption process. H. J. Hibshman. 2,620,363, Dec. 2.
Separating oil from water. P. D. Barton. 2,588,794, Mar. 11.
Separating olefins from hydrocarbon mixtures. G. R. Bond, Jr. 2,586,777, Feb. 26.
Separating organic carboxylic acids from hydrocarbon oil compositions. P. J. Garner and B. J. Donovan. 2,584,861, Feb. 5.
Separating screen and associated high-frequency fluid vibrating mechanism. W. H. Newton. 2,607,490, Aug. 19.
Separating shells and meat of shellfish. D. J. Gerritsen. 2,600,867, June 17.
Separating solids from liquids, Method and system for. G. J. Strezynski. 2,596,616, May 13.
Separating the azeotropic mixture of allyl alcohol and allyl acetate. D. E. Adelson and T. W. Evans. 2,605,216 July 29.
Separating the components of a mixture of fats and oils. C Greenfield. 2,619,421, Nov. 25.
Separating the constituents of hydrocarbon gases, Method of and apparatus for. F. E. Gilmore. 2,603,310, July 15.
Separating vinyl xylenes from ethyl xylenes and other products. W. E. Elwell and H. L. Childress, Jr. 2,607,720, Aug. 19.
Separating waxy and oily materials. J. L. Biles, H. C. Myers, T. A. Petry, and W. H. Cowell. 2,581,573, Jan. 8.
Separation and dehydration of heavy hydrocarbons from a gaseous mixture. N. C. Turner. 2,620,895, Dec. 9.
Separation of a Schiff's base from the condensation product of a primary amine with a carbonyl compound. R. M. Deanesly. 2,583,729, Jan. 29.
Separation of acetylene from gaseous hydrocarbon mixtures. E O Box, Jr. 2,587,689, Mar 4
Separation of acidic constituents from gases. F. C. Riesenfeld and H D. Frazier 2,600,328, June 10.
Separation of alcohols. N. J. Bowman and A. W. Weitkamp. 2,594,481, Apr. 29
Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. J. Feldman and M. Orchin. 2,581,398, Jan. 8.
Separation of α-methyl naphthalene from β-methyl naphthalene by azeotropic distillation. J. Feldman and M. Orchin. 2,583,554, Jan. 29.
Separation of anthracene, phenanthrene, and carbazole. P. H de Bruijn. 2,622,087, Dec. 16.
Separation of carbon dioxide from gases. J. E. Taylor and J H. Haslam. 2,592 762, Apr 15.
Separation of carbon monoxide from gaseous mixtures. J. W. Teter 2,583,239, Jan 22.
Separation of cellular organisms from aqueous suspensions thereof. L. C. Reed 2,609,328, Sept. 2.
Separation of close-boiling oxygenated compounds from their liquid mixtures. C. E. Morrell. 2,591,714, Apr. 8.
Separation of coke-oven gas, Process and apparatus for the. P. J. Haringhuizen. 2,591,658, Apr. 1.
Separation of cyclopentanone. G. C. Ray. 2,623,072, Dec 23.
Separation of desoxycholic acid. R. H. Sifferd. 2,606,912, Aug. 12.
Separation of ethane and ethylene by extractive distillation. J. A. Patterson. 2,610,704, Sept. 16.
Separation of eutectic-forming mixtures by crystallization methods. S C. Carney. 2,622,115, Dec. 16.
Separation of ferrosilicon from magnetite by froth flotation. S. J. Swainson, E C. Herkenhoff, and R. H. Lowe. 2,607,485, Aug. 19.

Separation of gas mixture. P. M. Schuftan and N. W. Roberts. 2,619,813, Dec. 2.
Separation of gas mixtures. C. J. Schilling. 2,597,385, May 20.
Separation of gaseous mixtures. H. B. Goff, and W. E. Lobo 2,617,275, Nov. 11.
Separation of gases at low temperature. A. A. Aicher. 2,617,272, Nov. 11.
Separation of gases from mixtures thereof. S. P. Dickens, C. A. Coghlan, and P. G. Morrow. 2,607,439, Aug. 19.
Separation of higher fatty acid partial esters of polyhydric alcohols from mixture containing the same. H. H. Young and H. C. Black. 2,608,564, Aug. 26.
Separation of hydrocarbons. C. D. Gard, and L. L. Laurence. 2,617,276, Nov. 11.
Separation of hydrocarbons. C. B. Linn. 2,582,443, Jan. 15.
Separation of hydrocarbons from nonhydrocarbons by diffusion. J. P. Jones. 2,617,493, Nov. 11.
Separation of hydrogen chloride from nitric acid. L. A. Stengel. 2,590,828, Mar. 25.
Separation of hydrogen halides from olefinically unsaturated compounds. H. A. Cheney and J. H. Raley. 2,587,595, Mar. 4.
Separation of hydrogen halides from olefinically unsaturated compounds. J. H. Raley. 2,615,791, Oct. 28.
Separation of individual phenols from a mixture of isomeric, homologous, or other closely related phenols. C. Golumbic and M. Orchin. 2,581,406, Jan. 8.
Separation of isotopes, etc., by molecular distillation, Method and apparatus for the. T. Robinson. 2,586,717, Feb. 19.
Separation of low boiling gas mixtures. H. J. Ogorzaly. 2,622,416, Dec. 23.
Separation of minerals having different specific gravities in a body of liquid medium. F. F. Ridley. 2,598,305, May 27.
Separation of metal values in fluoride compositions. M. A. Perkins and M. Couper. 2,588,041, Mar. 4.
Separation of mixtures containing alcohols, aldehydes, and ketones. C. S. Carlson and P. V. Smith, Jr. 2,614,072, Oct. 14.
Separation of mixtures, Process and apparatus for. J. R. Bowman and M. T. Cichelli. 2,584,785, Feb. 5.
Separation of naphthalene isomers. J. E. Nickels. 2,598,715, June 3.
Separation of natural gas mixtures. J. L. Cost. 2,583,090, Jan. 22.
Separation of oil and wax by continuous filtration. W. Kiersted, Jr., and H. H. Gross. 2,612,465, Sept. 30.
Separation of organic acids from alcohols. W. P. Burton, H. G. McGrath, and L. C. Rubin. 2,580,403, Jan. 1.
Separation of organic compounds. W. P. Burton and E. Solomon. 2,595,223, May 6.
Separation of organic compounds. H. G. McGrath. 2,596,160, May 13.
Separation of organic compounds. J. M. Wrightson. 2,583,620, Jan. 29.
Separation of organic esters. A. W. Weitkamp and N. J. Bowman. 2,598,953, June 3.
Separation of oxygen-containing chemical compounds. H. W. Fleming. 2,586,928, Feb. 26.
Separation of oxygen-containing organic compounds from aqueous mixtures. F. H. Bruner, H. V. Hess, and G. B. Arnold. 2,605,276, July 29.
Separation of oxygenated organic compounds. H. W. Fleming and J. S. Cromeans. 2,586,929, Feb. 26.
Separation of oxygenated organic compounds from synthetic naphtha. L. P. Hodges. 2,584,269, Feb. 5.
Separation of partly dried gel particles. P. B. Weisz. 2,609,925, Sept. 9.
Separation of pear waste into its liquid and solid components. R P Graham, J. H. Thompson, and A. D. Shepherd. 2,614,933, Oct. 21.
Separation of powdered catalyst from a stream of gaseous hydrocarbons. W. W. Holland. 2,614,659, Oct. 21.
Separation of products obtained from isobutylene nitrosyl chloride adduct. E. J. Prill. 2,599,482, June 3.
Separation of propene and propane by extractive distillation. J. W. Teter and E W. Shand. 2,588,056, Mar. 4.
Separation of propene and propane by extractive distillation. S. J Wayo, J. W. Teter, and E. W. Shand. 2,588,063, Mar. 4.
Separation of rosin acids. H. H. Zeiss. 2,580,496, Jan. 1.
Separation of solid materials of different specific gravities. A. E. Lawrie and L. W. Needham. 2,621,790, Dec. 16.
Separation of solid substances of different specific gravity and grain size. F. J. Fontein. 2,590,691, Mar. 25.
Separation of solutes by continuous solvent extraction. J. D A Johnson 2,599,836, June 10.
Separation of straight-chain from branched chain hydrocarbons. H. G. Vesterdal and W. A. Konrad. 2,586,889, Feb. 26.
Separation of sulfur compounds from hydrocarbons. M. R. Cines. 2,602,093, July 1.
Separation of vinyl esters of long chain fatty acids from the corresponding free fatty acids W. S. Port, E. F. Jordan, Jr., and D. Swern. 2,586,860, Feb. 26.
Separation of wax constituents and the like from oil. G. B. Arnold, H. V. Hess, and W. E. Skelton. 2,606,140, Aug. 5.
Separation of xylene. W. F. Yates. 2,585,525, Feb. 12.

Separator: *See*—
Centrifugal particle separator.
Centrifugal separator.
Condensate separator.
Cyclone separator.
Dust separator.
Embalmer's tissue separator.
Floating liquid - liquid separator.
Gas and liquids separator.
Gas separator.
Gold separator.
Horizontal oil and gas separator.
Horizontal separator.
Liquid solid separator.
Magnetic ore separator.
Magnetic separator.
Oil separator.
Pneumatic separator.
Potato separator.
Power washing centrifugal separator.
Rotary hydraulic separator.
Smoke separator.
Spherical shell fluid separator.
Spiral separator.
Television sync separator.
Vacuum separator.
Vertical lumber separator.

Separator. A. Gordon. 2,607,493, Aug. 19.
Separator and dispenser, Powder. R. F. Berndt. 2,591,043, Apr. 1.
Separator and trap, Combination. F. M. Bohler. 2,617,492, Nov. 11.
Separator and volatilizer, Combined. J. A. Fenn. 2,617,720, Nov. 11.
Separator for antifriction bearings. L. D. Cobb. 2,590,939, Apr. 1.
Separator for producing dry steam. W. R. Williamson and J. P. Tyskewicz. 2,604,957, July 29.
Separator for removing water from gasoline. A. L. Grisé. 2,597,475, May 20.
Separator having flow-directing and self-sealing discharge means. C. V. Ore and J. A. L. Nicholson. 2,598,934, June 3.
Separator plates for electric storage batteries, Manufacture of. A. Grözinger. 2,582,777, Jan. 15.
Septic tank. M. S. Butler. 2,607,211, Aug. 12.
Septic tank. M. S. Butler. 2,607,727, Aug. 19.
Septic tank. M. D'Alberti. 2,621,157, Dec. 9.
Sequence control mechanism. R. C. Smith. 2,584,055, Jan. 29.
Sequence relay. J. B. Cataldo. 2,622,164, Dec. 16.
Sequence relay. J. B. Cataldo and E. D. F. Tidd. 2,600,155, June 10.
Sequential batch treating apparatus. N. Ransohoff. 2,585,838, Feb. 12.
Sequential braking system. E. H. Piron. 2,590,034, Mar. 18.
Sequential comparing mechanism for statistical machines. A Thomas and N. G. Holden. 2,619,281, Nov. 25.
Sequential motor operation under control of individual, fluid actuated, relieved pressure valves. G. S. Johnson. 2,607,197, Aug. 19.
Sequential starting of independent free piston engines. R. Huber. 2,605,605, Aug. 5.
Sequential tripping mechanism control for multiunit offset presses. A. J. Albrecht. 2,615,393, Oct. 28.
Sequentially operated valve mechanism. H. G. Hughey. 2,615,464, Oct. 28
Serial roentgenography. J. M. Sanchez-Perez. 2,617,944, Nov. 11.
Serially operable hydraulic booster mechanism. W. Stelzer. 2,587,404, Feb. 26.
Series arrangement of positive and nonpositive screw pumps. M. R. Sennet. 2,592,476, Apr. 8.
Series connected cells with individual rectifier shunts. M. C. J. Jacquier. 2,624,033, Dec. 30.
Series flow cooling system for dynamometers and engines. E L. Cline. 2,597,450, May 20.
Series lamp cutout. F. W. Godsey, Jr. 2,590,605, Mar. 25.
Series of nitrofuran compounds comprising the azomethines of 5-nitro-2-acyl furans with 1-amino-hydantoins. K. J. Hayes. 2,610,181, Sept. 9.
Service outlet box for trailer vehicles. E. L. White. 2,616,945, Nov. 4.
Serving machine. C. J. Rohland. 2,622,808, Dec. 23.
Servo control for fluid motors. R. K. Sedgwick. 2,610,614, Sept. 16.
Servo-control mechanism. D. J. Watson. 2,623,200, Dec. 23.
Servo control system. D. M. McCallum. 2,588,742–3, Mar. 11.
Servo mechanism. J. Foster. 2,615,431, Oct. 28.
Servomotor J. A. Denton. 2,599,899, June 10.
Servomotor and a throttling means for its fluid supply. J. Kellogg. 2,622,564, Dec. 23.
Servomotor and control therefor, Pressure fluid follow-up type. A. Garde and E Brodersen. 2,606,533, Aug. 12.
Servomotor and mechanism for limiting its piston movements at variably predetermined positions. J. Rosenberg. 2,595,486, May 6.
Servomotor and the like, Hydraulic. L. F. Mott. 2,597,361, May 20.
Servomotor and the like, Hydraulic. R. Westbury and S. R. Tyler. 2,597,418–19, May 20.
Servomotor and valve system therefor, Pressure fluid. C. F. Terwilleger. 2,582,570, Jan. 15.
Servomotor apparatus. P. A. Seay. 2,610,312, Sept. 9.
Servomotor control. L. Swartz and M. I. Hughes. 2,601,760, July 1.

Servomotor control for rotary pump and motor hydraulic transmissions. A. Spencer and J. Hewitt. 2,606,423, Aug. 12.
Servomotor control system, Fluid actuated. G. T. Randol. 2,602,428, July 8.
Servomotor damping system. J. C. Mouzon. 2,583,339, Jan. 22.
Servomotor, Fluid pressure. G. G. Naud. 2,604,075, July 22.
Servomotor, Follow-up pressure fluid. C. Johnson. 2,600,777, June 17.
Servomotor, Follow-up type. J. W. Robins. 2,588,988, Mar. 11.
Servomotor for interceptor valve of turbine and reheater apparatus, Automatically and manually controlled. F A Meyer. 2,586,688, Feb. 19.
Servomotor with lubricated rotatable piston rod. F. E. Klostermann. 2,598,271, May 27.
Servo system. W. M. Harcum and J. M. Slater. 2,584,127, Feb. 5.
Servo system with antihunt means. J. G. Beard, R. W. Harralson, and A. Kreithen. 2,617,084, Nov. 4.
Setback gauge. J. H. Sreb. 2,597,758, May 20.
Set stabilized low consistency calcined gypsum product. C. T. Clark. 2,620,279, Dec. 2.
Setwork for regulating the thickness of the boards cut off in reciprocating-carriage sawmills. R. Masuy. 2,597,355, May 20.
Setter for organs, Combination. E. L. Kent. 2,612,810, Oct. 7.
Setting a casing structure in a well hole or the like, Method and apparatus for. C. E. Bannister. 2,583,316, Jan. 22.
Setting and binding material from natural mineral anhydrite. H. Weber. 2,606,129, Aug. 5.
Setting and binding material from residues of hydrofluoric acid manufacture. H. Weber. 2,608,491, Aug. 26.
Setting and furling sails. J. W. Steube and W. Smyth. 2,595,110, Apr. 29.
Setting fruit and composition therefor. R. A. Kaberg. 2,614,918, Oct. 21.
Setting mechanism for direct reading numeral clocks. J. Bergman. 2,587,277, Feb. 26.
Setting moisture-setting printing inks, Method and apparatus for. C. A. Ireton. 2,613,603, Oct. 14.
Setting nylon. G. A. Hayes and E. Schmidt. 2,615,116, Oct. 21.
Setting pointer for measuring instruments. J. E. Brown and T. Bowen. 2,605,737, Aug. 5.
Setting tool. L. W. Toelke. 2,621,745, Dec. 16.
Settle blowhead and baffle. G. E. Rowe. 2,619,774, Dec. 2.
7-dehydrosterol rhodanide and process. J. Strating. 2,588,892, Mar. 11.
7-halogen sterol esters, Preparing. J. A. K. Buisman. 2,585,998, Feb. 19.
7 - keto - 4b - methyl - 1,2,3,4,4a,4b,5,6,7,9,10,10a-dodecahydrophenanthrene-1,4-diol and its preparation. L. H. Sarett and R. E. Beyler. 2,617,828, Nov. 11.
17-bromo 9,11-oxido steroid adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,623,044, Dec. 23.
17-bromo steroid adducts. R. H. Levin, A V. McIntosh, Jr., and G. B. Spero. 2,621,180, Dec. 9.
17-hydroxypregnanes, Production of. L. H. Sarett. 2,597,190, May 20.
17-hydroxysteroids, The production of. G. Rosenkranz and S. Kaufmann. 2,588,294, Mar. 4.
17-hydroxy-20-keto-21-acyloxy pregnanes, Producing. S. Kaufmann, G. Rosenkranz, and J. Pataki. 2,596,563, May 13
Severable multiple unit case. K. C. Ferguson. 2,596,331, May 13.
Severable safety joint for pipe strings. L. W. Toelke. 2,621,895, Dec. 16.
Severing and handling materials such as macaroni or spaghetti, Method and machine for. A. R. Curioni. 2,593,543, Apr. 22.
Severing and segregating macaroni, Method and apparatus for. A. R. Curioni. 2,593,542, Apr. 22.
Severing machine for looms. J. K. McCutchen and D. A. Tillman. 2,598,578, May 27.
Sewage flotation and aeration system. E. S. Lansing. 2,604,445, July 22.
Sewage treating process. W. H. Green and A. A. Kalinske. 2,613,180, Oct. 7.
Sewage treatment. L. B. Griffith. 2,616,848, Nov. 4.
Sewage treatment. F. O. Hess, M. B. Tark, and E. R. Schofield. 2,594,433, Apr. 29.
Sewer catch basin unit. F. Lane. 2,615,526, Oct. 28.
Sewing aid, Button. A. O. Hoefle. 2,605,943, Aug. 5.
Sewing and trimming mechanism, Combined. T. D. Taylor. 2,621,618, Dec. 16.
Sewing box. T. C. Cox. 2,598,976, June 3.
Sewing kit, Child's. A. Liberman. 2,585,946, Feb. 19.
Sewing machine. R. Casas-Robert. 2,609,772, Sept. 9.
Sewing machine. N. V. Christensen. 2,609,770, Sept. 9.
Sewing machine. A. Hagquist. 2,584,013, Jan. 29.
Sewing machine. R. A. Hayes. 2,583,735, Jan. 29.
Sewing machine. C. W. Mueller. 2,588,274, Mar. 4.
Sewing machine. R. Olleo, Sr. 2,603,173, July 15.
Sewing machine. M. C. Rich. 2,581,046, Jan. 1.
Sewing machine. T. Van Tuyl and F. Ackermann. 2,590,907, Apr. 1.
Sewing machine and attachment therefor. R. H. Van Wagener. 2,623,485, Dec. 30.
Sewing machine and drive with support therefor. A. C. Peterson and W. O. Will. 2,587,887, Mar. 4.
Sewing machine and sewing. T. A. Bramfitt and E. C. Pfeifer, Jr. 2,580,724, Jan. 1.
Sewing machine and trimmer blade, Combined. N. De Robertis. 2,617,374, Nov. 11.
Sewing machine attachment. R. W. Burgess. 2,619,924, Dec. 2.
Sewing machine attachment. R. W. Burgess, C. G. Baehr, and J. Connors. 2,592,653, Apr. 15.
Sewing-machine attachment. R. W. Winberg. 2,600,597, June 17.
Sewing machine, Belt loop. J. Galkin. 2,585,306, Feb. 12.
Sewing machine, Blind stitch. F. Mikolas. 2,618,232, Nov. 18.
Sewing machine, Buttonhole. M. C. Rich. 2,604,062, July 22.
Sewing machine desk cabinet. F. W. Preuss. 2,607,651, Aug. 19.
Sewing machine, Feed-off-the-arm. F. F. Zeler. 2,623,484, Dec. 30.
Sewing machine in necktie construction. V. M. Newman. 2,608,170, Aug. 26.
Sewing machine, Lock stitch. C. R. Backlin. 2,583,538, Jan. 29.
Sewing machine lubrication. H. Ritter and W. J. Peets. 2,619,061, Nov. 25.
Sewing machine, Miniature lock stitch. S. R. Bell. 2,594,534, Apr 29.
Sewing machine, Miniature lockstitch. D. A. Merson and S. R. Bell. 2,604,861, July 29.
Sewing machine, Miniature power-driven. D. A. Merson and S. R. Bell. 2,604,862, July 29.
Sewing machine motor. A. Austlid. 2,581,620, Jan. 8.
Sewing-machine presser foot. L. Soldo. 2,607,309, Aug. 19.
Sewing machine, Railway. W. S. Rotherham. 2,593,106, Apr. 15.
Sewing machine, Shoe. A. S. Clark. 2,604,859, July 29.
Sewing machine, Shoe. O. R. Haas. 2,588,383, Mar. 11.
Sewing machine, Shoe. C. H. James and F. Ricks. 2,611,142, Sept. 23.
Sewing machine, Shoe inseam. H. J. Koloske. 2,620,758, Dec. 9.
Sewing machine, Special stitch. M. Pedersen. 2,604,863, July 29.
Sewing machine table motor mount. N. G. Godshall and R. L. Marks. 2,609,262, Sept. 2.
Sewing-machine thread cutter. F. H. Loomis. 2,591,447, Apr. 1.
Sewing machine with automatic disappearing treadle. L. J. Fichter and R. R. Pierson. 2,607,650, Aug. 19.
Sewing machine, Zigzag. A. B. E. Karlsson. 2,600,543, June 17.
Sewing snap fastener tape. R. A. Proud and H. C. Stanley. 2,605,726, Aug. 5.
Shackle and mounting therefor. A. F. Myers. 2,585,489, Feb. 12.
Shackle seal. W. M. Brooks. 2,599,318, June 3.
Shackle seal. A. di Palma. 2,599,700, June 10.
Shade Porch. F. M. Powers. 2,582,276, Jan. 15.
Shade roller. H. Bleibtreu. 2,614,629, Oct. 21.
Shaded pole motor. E. W. Ballentine. 2,591,117, Apr. 1.
Shaded pole motor construction. K. Burian. 2,606,223, Aug. 5.
Shaded screen. W. G. Dwinell and J. H. Orth. 2,583,824, Jan. 29.
Shaft. M. B. Morgan. 2,599,575, June 10.
Shaft bearing and hub casting for rotatable shaft door operating mechanism for railroad dump cars. A. E. Zimmer and W. F. Batho. 2,620,745, Dec. 9.
Shaft bearing seal. E. R. Zademach and W. W. Clarke. 2,608,982, Sept. 2.
Shaft bearing structure. E. E. Brown. 2,592,387, Apr. 8.
Shaft connection. H. E. La Bour. 2,599,333, June 3.
Shaft controlling mechanism. C. H. Isaacs. 2,603,330, July 15.
Shaft coupling. H. A. Brelsford. 2,590,287, Mar. 25.
Shaft coupling assembly. F. R. Harris. 2,611,632, Sept. 23.
Shaft driving mechanism for headers or like machines. R. L. Wilcox and H. L. Hoyt. 2,595,433, May 6.
Shaft for gas turbines and the like. T. W. F. Brown and H. G. Yates. 2,622,417, Dec. 23.
Shaft for manicuring machines, Flexible. M. Kessler. 2,596,335, May 13.
Shaft gauge. C. T. Wallis. 2,591,895, Apr. 8.
Shaft journal and drive unit, Combined. J. D. Christian. 2,612,788, Oct. 7.
Shaft multipositioning device. H. M. Schweighofer, G. E. Nicholson, and R. S. Pyle. 2,617,313, Nov. 11.
Shaft position control mechanism. E. Toth and G. H. Burbage. 2,612,050, Sept. 30.
Shaft positioning device. R. W. May. 2,585,955, Feb. 19.
Shaft positioning device. W. L. Vervest and G. Van Gelder. 2,616,300, Nov. 4.
Shaft positioning mechanism. J. M. Unk and W. L. Vervest. 2,616,299, Nov. 4.
Shaft seal. S. S. Brown. 2,582,525, Jan. 15.
Shaft seal. G. W. Dahl. 2,613,962, Oct. 14.
Shaft seal. N. E. Dietz. 2,580,529, Jan. 1.

Shaft seal. C. T. Hayes. 2,610,872, Sept. 16.
Shaft seal. O. Jacobsen. 2,583,777, Jan. 29.
Shaft seal. A. E. Karlberg. 2,600,879, June 17.
Shaft seal. W. W. Meyer. 2,583,867, Jan. 29.
Shaft seal. L. D. Potts. 2,590,036, Mar. 18.
Shaft seal. C. Steenstrup. 2,610,873, Sept. 16.
Shaft seal and pressure plate therefor. M. Katcher. 2,607,615, Aug. 19.
Shaft seal, Floating. W. E. Trumpler. 2,592,082, Apr. 8.
Shaft seal for low-temperature expansion engines. P. K. Rice. 2,608,380, Aug. 26.
Shaft seal, Vertical. C. H. Schmitter. 2,583,671, Jan. 29.
Shaker, Combination salt and pepper. J. F. Lindly. 2,606,691, Aug. 12.
Shaker, Condiment. C. A. Roseberry, Sr. 2,604,236, July 22.
Shaker conveyer. E. H. Holzworth. 2,608,289, Aug. 26.
Shaker conveyer loading apparatus. G. Baechli. 2,607,471, Aug. 19.
Shaker conveyer loading apparatus. C. N. Bebinger. 2,607,466, Aug. 19.
Shaker-dispenser. S. S. Slyk. 2,614,734, Oct. 21.
Shaker for condiments, Combination. S. J. Perry. 2,591,863, Apr. 8.
Shaker for deliquescent materials. W. M. Weddell and F. J. Krenzke. 2,604,237, July 22.
Shaker for granular substances. F. W. Fuller. 2,599,755, June 10.
Shaker for salt and similar hygroscopic substances. R. O. Teston. 2,604,235, July 22.
Shaker loader. C. N. Bebinger. 2,617,514, Nov. 11.
Shaker, Salt. G. W. Lynch, Jr., and J. M. Fischer. 2,594,467, Apr. 29.
Shaking screen. J. L. A. Larsson. 2,597,503, May 20.
Shale distillation. W. W. Odell. 2,586,703, Feb. 19.
Shampoo device. T. S. Cancell. 2,600,392, June 17.
Shampoos, Preparation of. H. I. Bernstein and C. F. Fuchs. 2,588,197, Mar. 4.
Shank and socket connection for augers. H. L. Welkart. 2,588,901, Mar. 11.
Shank piece. L. Beckerman. 2,606,374, Aug. 12.
Shape cutting machine arm. T. Schmader. 2,587,232, Feb. 26.
Shape-cutting machine or the like. A. A. Bernard. 2,600,728, June 17.
Shaped articles from acrylonitrile polymers, Preparation of. C. D. Coxe. 2,585,444, Feb. 12.
Shaped articles from acrylonitrile polymers, Production of. G. M. Rothrock. 2,585,499, Feb. 12.
Shaped articles from artificial or synthetic fiber- or film-forming materials, Producing. H. M. Hoxie. 2,611,929, Sept. 30.
Shaped articles of an acrylonitrile polymer, Making. H. M. Hoxie. 2,622,003, Dec. 16.
Shaped timepiece automatically rewound by means of a movable mass. M. Huguenin. 2,610,462, Sept. 16.
Shaper and trimming scissors, Combined. S. Maggio. 2,603,863, July 22.
Shaper dust hood. F. I. Johnson. 2,604,129, July 22.
Shaper for lathes. D. G. Wallace. 2,601,813, July 1.
Shaper-saw power feed device. H. W. King. 2,615,483, Oct. 28.
Shaping bimetallic articles. S. K. Wellman. 2,607,246, Aug. 19.
Shaping bimetallic blanks, Method and apparatus for. S. K. Wellman and F. J. Lowey. 2,607,245, Aug. 19.
Shaping device. W. A. Samans and W. B. Weaver. 2,609,048, Sept. 2.
Shaping ingots, Method and apparatus for. L. Toppi. 2,621,394, Dec. 16.
Shaping lobed forms, Method and machine for. P. C. Durland. 2,592,875, Apr. 15.
Shaping machine mechanism. H. E. Hicks. 2,599,388, June 3.
Shaping steel bar stock. R. C. Zeller. 2,616,314, Nov. 4.
Shaping thermoplastic sheet material, Method and apparatus for. W. E. Meissner. 2,608,720, Sept. 2.
Sharpener for revolving cutter blade lawn mowers. J. W. McMillan. 2,619,852, Dec. 2.
Sharpener, Knife blade. J. J. Killan. 2,597,150, May 20.
Sharpener, Scissor. J. Brockley. 2,585,623, Feb. 12.
Sharpening device. A. P. Komow. 2,603,862, July 22.
Sharpening device for lawn mowers. R. B. Housley. 2,586,659, Feb. 19.
Sharpening device with adjustable work support guides. B. K. Murchison. 2,621,547, Dec. 16.
Sharpening machine. H. W. Lindahl. 2,617,235, Nov. 11.
Sharpening mechanism for cutting machines. F. G. Clark. 2,604,741, July 29.
Shaver. F. P. Musso. 2,598,711, June 3.
Shaver-clipper. J. W. Halterman. 2,611,177, Sept. 23.
Shaver, Electric. R. J. Julian. 2,584,590, Feb. 5.
Shaver head. L. C. Carissimi. 2,591,403, Apr. 1.
Shaver head mounting. L. C. Carissimi. 2,601,720, July 1.
Shaver or hair clipper, Motor-driven. J. W. Halterman. 2,617,183, Nov. 11.
Shaver structure. R. Knopp. 2,600,658, June 17.
Shaving apparatus. G. H. Robertson. 2,618,055, Nov. 18.
Shaving appliance. A. H. Pitchford. 2,591,288, Apr. 1.
Shaving device. C. L. Vols. 2,582,807, Jan. 15.
Shaving device, Rotary. C. K. Norwood. 2,595,693, May 6.
Shaving gears. R. G. Le Tourneau. 2,594,186, Apr. 22.
Shaving implement. J. L. Kleinman. 2,590,871, Apr. 1.
Shaving or toothbrush outfit holder and container. P. S. Rupert. 2,599,019, June 3.
Shear. F. L., and C. E. McGary. 2,604,695, July 29.
Shear accessory. M. P. Lefere. 2,613,739, Oct. 14.
Shear apparatus, Deborning. J. Black. 2,606,340, Aug. 12.
Shear pin coupling. H. W. Thylefors. 2,605,623, Aug. 5.
Shear pin coupling for aligned shafts. M. W. Gredell. 2,585,113, Feb. 12.
Shear pivot. R. W. Erickson. 2,596,767, May 13.
Shear relief valve. A. S. Volpin. 2,587,933, Mar. 4.
Shear resistant buckle assembly. P. D. Becker. 2,585,894, Feb. 12.
Shear, Rotary. F. P. Blair. 2,598,212, May 27.
Shearing apparatus. M. Morgan and E. R. Comtois. 2,621,734, Dec. 16.
Shearing, cutting, and trimming device. W. G. Kammlade, Jr. 2,594,177, Apr. 22.
Shearing machine. W. Swift. 2,620,031, Dec. 2.
Shearing strip material, Method of and apparatus for. M. P. Sieger. 2,588,581, Mar. 11.
Shears. J. S. Neola. 2,603,864, July 22.
Shears, Grass. C. Sekely. 2,591,620, Apr. 1.
Shears, Long-handled brass. G. Persak, Jr. 2,580,831, Jan. 1.
Shears, Pinking. A. W. and R. J. Wertepny. 2,600,036, June 10.
Shears, Pinking. H. C. Wheeler. 2,582,184, Jan. 8.
Shears, Pinking. H. C. Wheeler. 2,595,033, Apr. 29.
Shears, Plaster cast cutting. N. McKny. 2,602,224, July 8.
Shears, Power-operated disinfecting pruning. C. J. Johnson. 2,600,540, June 17.
Shears, Power-operated pivoted. W. F. McPhee. 2,613,437, Oct. 14.
Shears, Pruning. G. Potstada. 2,593,603, Apr. 22.
Shears, Safety-locked folding. E. P. Selander. 2,588,939, Mar. 11.
Shears, Vibrating rubber. E. C. Horton. 2,603,289, July 15.
Shears with interchangeable cutting blade. E. E. and G. E. McMillan. 2,584,603, Feb. 5.
Shears with teeth for cutting along zigzag lines. S. I. Sherr. 2,607,986, Aug. 26.
Sheathed razor blade holder. H. T. Drake. 2,599,439, June 3.
Sheave. B. E. Long, Jr. 2,610,514, Sept. 16.
Sheave, Noiseless. A. M. Rohn. 2,609,699, Sept. 9.
Sheet assembling and folding machine. E. W. Peterson. 2,583,746, Jan. 29.
Sheet, Bed. J. C. Ridenhour. 2,605,483, Aug. 5.
Sheet, Bed. G. H. Simpson. 2,598,141, May 27.
Sheet clamping arrangement for facsimile apparatus. R. G. Thompson. 2,622,000, Dec. 16.
Sheet controlled tripping mechanism for rotary printing presses. W. E. Brigham, Jr. 2,609,748, Sept. 9.
Sheet conveying, stacking, and delivering apparatus. H. S. Morrison. 2,606,669, Aug. 12.
Sheet counter and marker, Portable. K. H. Andren. 2,619,883, Dec. 2.
Sheet cutter. L. Hornbostel. 2,615,518, Oct. 28.
Sheet-cutting machine having a traveling cutter-carriage and a motor-driven reciprocating cutter. A. Mischke. 2,584,487, Feb. 5.
Sheet delivery device for rotary printing machines. C. W. Johnson. 2,590,179, Mar. 25.
Sheet delivery mechanism. J. R. Wood. 2,620,033, Dec. 2.
Sheet delivery mechanism for printing machines. W. F. Huck. 2,610,850, Sept. 16.
Sheet dispenser. H. Kenmotsu. 2,619,398, Nov. 25.
Sheet distributing machine. R. J. Crissy. 2,589,676, Mar. 18.
Sheet dividing and compiling machinery. E. B. Sullivan. 2,613,929, Oct. 14.
Sheet ejecting mechanism in bed and platen printing machines. J. R. Thomas. 2,605,702, Aug. 5.
Sheet extractor device. R. E. Cummings. 2,593,415, Apr. 22.
Sheet feed device for rotary duplicating machines. E. Rutishauser. 2,613,597, Oct. 14.
Sheet feeder. H. A. Pritchard. 2,593,181, Apr. 15.
Sheet feeder. J. R. Wood. 2,600,356, June 10.
Sheet feeder mechanism. E. J. Rapp and H. R. Coon, Sr. 2,592,822, Apr. 15.
Sheet feeding apparatus. H. W. Gegenheimer and C. O. Siebke. 2,623,746, Dec. 30.
Sheet feeding apparatus. D. H. Pope. 2,601,984, July 1.
Sheet feeding attachment. S. Paley. 2,620,184, Dec. 2.
Sheet feeding device. R. J. Van Schie. 2,601,072, June 17.
Sheet feeding device for article labeling machines. P. E. Fischer and E. Ardell. 2,603,483, July 15.
Sheet feeding means for copying cameras. J. Halahan, F. A. Lyon, L. H. Mortimer, and T. F. Aronson. 2,616,691, Nov. 4.
Sheet feeding means for duplicating machines. E. W. Peterson and G. J. Rundblad. 2,622,518, Dec. 23.

Sheet feeding mechanism. G. A. Gibson, Jr. 2,608,408, Aug. 26.
Sheet feeding mechanism for typewriters or like machines. J. F. Kioski. 2,582,783, Jan. 15.
Sheet gripper structure and setting means therefor. H. E. Peyrebrune. 2,590,776, June 10.
Sheet handling apparatus. C. E. Parker. 2,581,598–9, Jan. 8.
Sheet holder for mattress ensembles. W. W. Rosing. 2,614,270, Oct. 21.
Sheet holding means. E. Penker. 2,596,864, May 13.
Sheet jogging mechanism for printing presses. R. F. Aberle. 2,595,437, May 6.
Sheet material articles in sequence. C. W. Vogt. 2,620,205, Dec. 2.
Sheet material element used in feeding device. E. C. Sauerman. 2,615,392, Oct. 28.
Sheet material containing a liquid for processing a silver halide layer. E. H. Land. 2,616,804, Nov. 4.
Sheet materials containing fibers, cork particles, and a rubberlike binder, Preparation of. D. A. Feigley, Jr. 2,613,190, Oct. 7.
Sheet metal article and molding strip assembly. J. W. Schlaf. 2,592,472, Apr. 8.
Sheet metal brake. H. Leiser. 2,587,865, Mar. 4.
Sheet metal bushings, Making. E. B. Clark. 2,609,596, Sept. 9.
Sheet metal clamp operating tool. W. L. Lincoln. 2,594,942, Apr. 29.
Sheet metal cutter. G. B. Murphy. 2,598,287, May 27.
Sheet metal cutting apparatus. R. Le Bron and W. R. Heck. 2,610,685, Sept. 16.
Sheet metal cutting tool. C. A. Royer. 2,610,398, Sept. 16.
Sheet metal fastener. R. E. Peckham. 2,618,193, Nov. 18.
Sheet metal guide and support for vise jaws. M. Brandstad. 2,611,287, Sept. 23.
Sheet metal nut attaching machine. H. J. Schuldt. 2,596,871, May 13.
Sheet metal punching apparatus. H. Nelson. 2,596,911, May 13.
Sheet-metal receptacle forming machine. R. M. Koch. 2,591,439, Apr. 1.
Sheet metal siding. S. L. Daniels. 2,607,449, Aug. 19.
Sheet metal slip roll former. W. C. Tifft. 2,617,467, Nov. 11.
Sheet metal stretching vise. W. J. Desjarlais and H. E. La Fleur. 2,606,467, Aug. 12.
Sheet metal transfer device. E. Fried. 2,603,338, July 15.
Sheet or web material, Making. W. C. Huebner. 2,615,822, Oct 28.
Sheet pack holder. E. C. H. Wyles. 2,583,459, Jan. 22.
Sheet package and skid therefor. R. O. Hammer. 2,614,688, Oct. 21.
Sheet piling apparatus. R. J. Kovatch. 2,605,910, Aug. 5.
Sheet positioning and clamping means. A. and R. Pleydell and J. F. McIntyre. 2,597,178, May 20.
Sheet positioning attachment. R. E. Wilburn. 2,607,589, Aug. 19.
Sheet receiver for duplicating machines. F. R. Ford. 2,615,714, Oct. 28.
Sheet registering apparatus. H. T. Backhouse. 2,613,930, Oct. 14.
Sheet registering means for printing machines and the like. H. T. Backhouse. 2,605,103, July 29.
Sheet registering mechanism for printing. W. F. Huck. 2,593,148, Apr. 15.
Sheet rolling machine. L. W. Evans. 2,600,628, June 17.
Sheet separating and forwarding machine. H. T. Backhouse. 2,591,116, Apr. 1.
Sheet separating device, Pneumatic. A. G. Sampson. 2,595,546, May 6.
Sheet separating machine. H. T. Backhouse. 2,615,713, Oct. 28.
Sheet slip. E. Hickman. 2,623,221, Dec. 30.
Sheet steel, Making. H. L. Farling and E. C. Norris. 2,606,848, Aug. 12.
Sheet stop device for rotary duplicating machines. A. H. Geib. 2,588,917, Mar. 11.
Sheet transfer device for perfecting presses. H. A. Pritchard. 2,593,180, Apr. 15.
Sheet transfer mechanism. H. E. Peyrebrune. 2,618,479, Nov. 18.
Sheet wood, Manufacturing. W. C. Goss. 2,581,652, Jan. 8.
Shelf, Adjustable. R. L. Hallock. 2,609,267, Sept. 2.
Shelf, Adjustable. A. G. Merkle and H. Eldridge. 2,590,195, Mar 25.
Shelf arrangement for refrigerators or the like. J. S. Palmer. 2,611,675, Sept. 23.
Shelf assembly, Self-leveling cantilever. E. F. Smith. 2,604,996, July 29.
Shelf construction for refrigerator cabinets, Adjustable. L. G. Beckett. 2,604,375, July 22.
Shelf construction for refrigerator cabinets, Adjustable. L. G. Beckett. 2,620,254–5, Dec. 2.
Shelf elevating mechanism and control. D. Collins. 2,614,020, Oct. 14.
Shelf, Flower pot supporting. J. A. Weber. 2,588,596, Mar. 11.
Shelf for laundry tubs, Utility. W. W. Rigstad. 2,590,793, Mar. 25.
Shelf for wash tubs. I. L. Miller. 2,599,192, June 3.
Shelf, Knockdown portable. C. H. Robbins. 2,595,542, May 6.
Shelf mounted plug coupled detachable type relay. O. S. Field. 2,617,846, Nov. 11.
Shelf support. C. B. Jones. 2,615,666, Oct. 28.
Shelf toothbrush holder. F. A. Schmedinghoff. 2,580,961, Jan. 1.
Shelf, Window sill. C. A. Hart. 2,583,838, Jan. 29.
Shelving. B. Sparring. 2,622,834, Dec. 23.
Shelving construction. H. O. Neubauer. 2,621,800, Dec. 16.
Shell feeding mechanism for cannons. S. Schiff. 2,604,820, July 29.
Shell holder for single shot rifles. C. C. Suits. 2,587,921, Mar. 4.
Shell inspection apparatus. A. F. Dauber, A. F. Gagne, Jr., and C. R. Johnson. 2,607,480, Aug. 19.
Shelling nuts. O. Thaning. 2,601,421, June 24.
Shield and light cell pickup for oscilloscopes. H. C. Drake. 2,603,966, July 22.
Shield and visor, Demountable frost. E. W. Alexander. 2,606,787, Aug. 12.
Shield, Cooking. L. O. W. Cordrey. 2,582,373, Jan. 15.
Shield for automobile windows. G. A. Pritchard. 2,599,015, June 3.
Shield for bunions and corns. E. A. Dorr. 2,599,523, June 3.
Shield for electric conductors, Flexible. E. J. Stachura. 2,585,054, Feb. 12.
Shield for fishhooks. C. W. Ploen. 2,616,209, Nov. 4.
Shield for pipes. B. W. Lanyon. 2,605,770, Aug. 5.
Shield for tobacco pipes, Collapsible lighting. J. Ungar. 2,592,835, Apr. 15.
Shield for vacuum cleaner belt guards. F. S. Howard. 2,619,670, Dec. 2.
Shield for vehicle rearview mirrors. A. F. Triphahn. 2,622,481, Dec. 23.
Shield, Pleated protective. U. Torricelli. 2,619,646, Dec. 2.
Shield, Safety. C. W. Hansen. 2,612,763, Oct. 7.
Shield, Welder's eye. A. McWethy. 2,588,553, Mar. 11.
Shielded arc welding method and gas confining means. A. A. Bernard. 2,590,084, Mar. 25.
Shielded electrical connector. R. E. Farish, Jr. 2,594,004, Apr. 22.
Shielded magnetic sound-head and tape-guide assembly. L. J. Anderson. 2,590,292, Mar. 25.
Shielded revolvable target. J. N. Hamrick. 2,605,104, July 29.
Shielding closure means. M. S. Tyson. 2,604,507, July 22.
Shielding device for antifriction bearings. E. R. Wiffey. 2,608,423, Aug. 26.
Shift control mechanism. R. C. Russell. 2,599,724, June 10.
Shift delay. H. W. Gray and C. I. Nicoson. 2,611,281, Sept. 23.
Shift-lever controlled automotive clutch. G. T. Randol. **Re. 23,473, Mar. 18.**
Shift register circuit. W. H. Burkhart. 2,601,089, June 17.
Shiftable garter hitch. W. D. Saul. 2,617,989, Nov. 18.
Shiftable gear mounting. R. R. Burkhalter. 2,595,209, Apr. 29.
Shiftable shade. H. H. Mullen. 2,598,588, May 27.
Shifting holster transfer mechanism. W. C. Hodges. 2,591,153, Apr. 1.
Shifting means for transmissions. A. Y. Dodge. 2,606,456, Aug. 12.
Shingle. H. Abraham. 2,618,228, Nov. 18.
Shingle. J. R. Brown and C. I. Read. 2,598,497, May 27.
Shingle. J. L. Killingsworth. 2,607,304, Aug. 19.
Shingle collecting and bundling machine. W. H. Alden, Jr. 2,612,983, Oct. 7.
Shingle gauge attachment for roofer's hatchet. J. F. Ingram. 2,596,558, May 13.
Shingle, Interlocking. W. D. Olsen. 2,601,833, July 1.
Shingle, Interlocking. G. C. Turman. 2,595,821, May 6.
Shingle, Interlocking flexible composition. J. Robert. 2,607,305, Aug. 19.
Shingle, Lock-down. E. J. Boarini. 2,607,306, Aug. 19.
Shingle or shake holding jig. M. S. Alves. 2,620,696, Dec. 9.
Shingle stock, Producing. J. A. Romano. 2,610,555, Sept. 16.
Ship construction. J. Vasta. 2,585,980, Feb. 19.
Ship form. L. Costa. 2,599,163, June 3.
Ship maneuvering and battle tactics trainer. W. L. Morey and R. A. Taylor. 2,591,715, Apr. 8.
Ship salvage device. T. K. Jamison. 2,622,552, Dec. 23.
Ship tank top and hopper construction. W. G. Bartenfeld. 2,592,999, Apr. 15.
Shipping and display package. E. B. Candell. 2,623,682, Dec. 30.
Shipping case. T. L. Carey and I. Lubersky. 2,606,709, Aug. 12.
Shipping container. J. S. Donnell. 2,618,429, Nov. 18.
Shipping container. W. C. George. 2,620,119, Dec. 2.
Shipping container. W. R. Kohl. 2,593,895, Apr. 22.
Shipping container. E. Kopper. 2,598,800, June 3.
Shipping container. W. L. Newhall, E. Willison and J. Stevens. 2,613,836, Oct. 14.
Shipping container. R. F. Ries. 2,594,586, Apr. 29.

Shipping container. H. H. Strauss. 2,603,401–02, July 15.
Shipping container for eggs. H. C. Reeser. 2,597,847, May 27.
Shipping package assembly. R. De Pace. 2,621,785, Dec. 16.
Ship's davit. H. G. Taylor. 2,623,222, Dec. 30.
Ship's funnel with means for raising funnel gases. J. Lamb. 2,601,663, June 24.
Ship's hatch cover. J. MacGregor. 2,590,985, Apr. 1.
Ship's steering wheel hub. J. F. Lubsinski. 2,614,439, Oct. 21.
Shirring machine, Automatic. P. H. Korsgaard. 2,583,654, Jan. 29.
Shirt. M. L. Kaplan. 2,609,541, Sept. 9.
Shirt and making same. W. W. Artzt. 2,588,606, Mar. 11.
Shirt board and collar protector, Combination. J. A. O'Reilly. 2,581,696, Jan. 8.
Shirt collar attachment. A. H. Hull. 2,599,636, June 10.
Shirt collar support. C. A. Calder. 2,610,774, Sept. 16.
Shirt collar support. W. R. Kohl and A. L. Iverson. 2,587,860, Mar. 4.
Shirt construction. W. I. Jones. 2,607,921, Aug. 26.
Shirt folding device. C. A. Calder. 2,610,771, Sept. 16.
Shirt folding machine, Automatic. C. A. Calder and A. J. Rothschmitt. 2,616,594, Nov. 4.
Shirt form with collar strip lock. L. M. Kahn. 2,615,601, Oct. 28.
Shirt or like garment, Sport. J. I. Levitt. 2,585,142, Feb. 12.
Shirt package and shirt form therefor. M. W. Jacobson. 2,620,950, Dec. 9.
Shirt packaging and stiffening device. P. Dimond and J. Elger. 2,622,727, Dec. 23.
Shirt pocket, Insertable and removable. P. D. Abbott. 2,604,627, July 29.
Shirt yoke. C. D. Williamson. 2,607,041, Aug. 19.
Shirt, Zipper. M. L. Kaplan. 2,609,542, Sept. 9.
Shock absorber. P. De Loe. 2,605,861, Aug. 5.
Shock absorber. R. G. Hoare. 2,599,831, June 10.
Shock absorber. R. G. Hoare. 2,604,320, July 22.
Shock absorber. C. R. Mayo and M. Katchier. 2,607,443, Aug. 19.
Shock absorber. W. G. Patriquin. 2,599,477, June 3.
Shock absorber. E. F. Rossman. 2,606,630, Aug. 12.
Shock absorber. R. E. Schwary. 2,619,199, Nov. 25.
Shock absorber. R. Watts. 2,587,016, Feb. 26.
Shock absorber. R. Watts. 2,593,372, Apr. 15.
Shock absorber. N. Wyeth. 2,588,682, Mar. 11.
Shock absorber. N. Wyeth. 2,604,193, July 22.
Shock absorber assembly for portable electric flashlights. L. C. Grimsley. 2,605,316, July 29.
Shock absorber, Faller bar. R. G. Denton, Jr. 2,602,965, July 15.
Shock absorber for railway car truck springs. G. E. Dath. 2,620,179, Dec. 2.
Shock absorber for railway car trucks. G. E. Dath. 2,588,487, Mar. 11.
Shock absorber for railway car trucks. G. E. Dath. 2,603,478, July 15.
Shock absorber for railway car trucks. R. J. Olander. 2,596,282, May 13.
Shock absorber for railway car trucks, Friction. V. S. Danielson. 2,603,480, July 15.
Shock absorber for railway car trucks, Friction. G. E. Dath 2,607,583, Aug. 19.
Shock absorber for railway car trucks, Friction. R. J. Olander. 2,603,479, July 15.
Shock-absorber for rotary drilling Kellys. B. Bronzan. 2,587,105, Feb. 26.
Shock absorber, Friction. K. Williams. 2,610,053, Sept. 9.
Shock absorber, Hydrospring. H. P. Gay. 2,595,239, May 6.
Shock absorber link. A. W. Konchan. 2,589,820, Mar. 18.
Shock absorber, Magnetic power unit. W. L. Morrison, Jr., and F. Z. Daugherty. 2,603,676, July 15.
Shock absorber mounting. A. T. Gale. 2,606,756, Aug. 12.
Shock absorber, Rotary hydraulic. B. E. O'Connor. 2,584,221 Feb. 5.
Shock absorber valve. R. H. Whisler, Jr., and D. A. Palmer. 2,616,711, Nov. 4.
Shock absorbing and silencing mounting arrangement for air cleaners. F. Sebok. 2,601,172, June 17.
Shock-absorbing bearing in timekeepers. G. Erismann. 2,621,469, Dec. 16.
Shock absorbing device. E. B. Jones and F. L. Corbin. 2,601,982, July 1.
Shock absorbing means. G. Orloff. 2,580,825, Jan. 1.
Shock absorbing means for power-driven hand tools. J. Herndon. 2,611,960, Sept. 30.
Shock absorbing means for spring actuated tacking devices. O. A. Wandel. 2,593,231 Apr. 15.
Shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,598,762, June 3.
Shock absorbing mechanism for railway draft riggings. W. E. Withall. 2,618,393, Nov. 18.
Shock absorbing strut for aircraft. P. A. Luther. 2,608,403, Aug. 26.
Shock-absorbing suspension for instruments or the like. G. R. Greenslade. 2,595,135, Apr. 29.
Shock absorbing suspension for liquid gas containers. H. S. Jacket. 2,596,244, May 13.
Shock absorbing tow bar. J. O. Ham. 2,585,768, Feb. 12.
Shock absorbing watch bearing. E. Van Haaften. 2,596,449, May 13.
Shock controlled rotatable cartridge magazine for firearms. K. E. Jansson and W. E. Ericsson. 2,615,369, Oct. 28.
Shock mount for relays. H. M. Knapp and F. A. Zupa. 2,609,171, Sept. 2.
Shockproof head for X-ray apparatus. E. R. Goldfield and E. B. Graves. 2,611,095, Sept. 16.
Shock operated fluid valve. O. J. Hobson. 2,585,316, Feb. 12.
Shock resistant container. J. K. M. Harrison. 2,582,541, Jan. 15.
Shock resistant container. J. K. M. Harrison. 2,618,428, Nov. 18.
Shock-resistant product. E. C. Lathrop and T. R. Naffziger. 2,603,156, July 15.
Shock resistant static overload relay. V. J. Wattenberger. 2,594,372, Apr. 29.
Shock strut. W. L. Schlegel, Jr. 2,606,760, Aug. 12.
Shock testing device, Fluid control. J. H. Armstrong and D. E. Sullivan. 2,604,777, July 29.
Shock tier. C. A. Palmer. 2,596,717, May 13.
Shoe. W. L. Knipe. 2,585,391, Feb. 12.
Shoe. E. K. and J. A. Lahnstein. 2,603,889, July 22.
Shoe. G. A. Lyon. 2,582,910, Jan. 15.
Shoe actuating means for automatic flat-plate ironers. C. S. Dayton. 2,599,238, June 3.
Shoe, Adjustable. B. D. Spencer. 2,591,211, Apr. 1.
Shoe and its manufacture. H. G. Shaw, J. F. Leahy and J. W. Ashley. 2,622,347, Dec. 23.
Shoe and making the same, Turned slip-lasted. G. F. Jonas. 2,590,707, Mar. 25.
Shoe, Arch support. W. J. Pepperman, Jr. 2,620,574, Dec. 9.
Shoe bottom filling machine. L. Garratt and P. White. 2,586,933, Feb. 26.
Shoe cleaning and sterilizing device. R. L. Batchelor. 2,602,724, July 8.
Shoe cleats, Producing. J. A. Gundersen. 2,587,148, Feb. 26.
Shoe construction. G. E. Musebeck and J. C. Boehm. 2,583,302, Jan. 22.
Shoe construction for preventing deformation of the foot. S. J. Wikler. 2,607,132, Aug. 19.
Shoe construction, Insulated. J. A. Clark. 2,619,741, Dec. 2.
Shoe cover. V. Thompson. 2,623,567, Dec. 30.
Shoe display form. Herman Brickman. 2,602,943, July 15.
Shoe display form, Plastic. S. Nettler and M. Maccaferri. 2,610,340, Sept. 16.
Shoe fitting device. P. F. Weber. 2,601,131, June 17.
Shoe for steady rests used on lathes, Self-aligning. A. Alexay 2,592,229, Apr. 8.
Shoe forepart lining, Two-ply. I. Tarlow. 2,618,870, Nov. 25.
Shoe guard, Safety. M. La Grotto. 2,615,261, Oct. 28.
Shoe hanger. R. J. Searcy. 2,620,072, Dec. 2.
Shoe having adjustable fastener. N. Statham. 2,618,036, Nov. 18.
Shoe having an upper formed of strap members each secured by a flat fastener member. K. Vesely. 2,588,061, Mar. 4.
Shoe heel structure. G. L. Malherbe. 2,582,551, Jan. 15.
Shoe holding device. R. H. David. 2,580,525, Jan. 1.
Shoe holding device. T. F. Keenan. 2,592,156, Apr. 8.
Shoe insole D. R. Brady. 2,599,317, June 3.
Shoelace testing machine. A. A. Aines. 2,616,286, Nov. 4.
Shoelace tightener T. C. Cairns. 2,611,940, Sept. 30.
Shoe last. H. G. Clausing. 2,622,253, Dec. 23.
Shoe last. E. J. McDaniel and A. R. Summers. Re. 23,495, May 20.
Shoe last. C. L. Petze. 2,617,129, Nov. 11.
Shoe latch. R. E. Jones. 2,613,414, Oct. 14.
Shoe lining having self-stiffening properties. R. B. Harrison. 2,611,726, Sept. 23.
Shoe machine. W. J Janas. 2,591,823, Apr. 8.
Shoe machine. A. R. Morrill. 2,610,339, Sept. 16.
Shoe machine, Automatic. J. A. Miller. 2,581,272, Jan. 1.
Shoemaking apparatus, Inductively heated. W. S. Robson. 2,610,287, Sept. 9.
Shoe polisher. A. F. Daniel and T. A. Patterson. 2,599,095, June 3.
Shoe polishing device. P. D. Douglass. 2,607,938, Aug. 26.
Shoe polishing machine. W. A. Edington. 2,589,785, Mar. 18.
Shoe press. W. Boseley and W. Kilmister. 2,597,612, May 20.
Shoe protector. O. N. Gredell. 2,588,919, Mar. 11.
Shoe rack. H. J. Willmott. 2,605,905, Aug. 5.
Shoe, Roller skating. M. Goldenberg. 2,615,723, Oct. 28.
Shoe, Running. I. Shapiro. 2,608,007, Aug. 26.
Shoe, Safety. E. F. McLaughlin. 2,601,162, June 17.
Shoe shank. J. C. Rice and C. Krick. 2,585,588, Feb. 12.
Shoeshine kit. L. F. Morris. 2,618,006, Nov. 18.
Shoeshine stand. H. Bascom. 2,622,262, Dec. 23.
Shoeshine stand for barber chairs, Quick attachable and detachable. J. Weber. 2,603,814, July 22.
Shoe shining cabinet. T. V. Kaliski. 2,603,815, July 22.
Shoeshining or buffing device. W. C. Dickson. 2,591,341, Apr. 1.

Shoe, Slip lasted. A. Atlas. 2,623,305, Dec. 30.
Shoe, Snow plow. C. A. and A. L. Hanson. 2,593,025, Apr. 15.
Shoe, Snowplow. W. W. Weller. 2,611,979, Sept. 30.
Shoe sole. R. Gounbault. 2,605,560, Aug. 5.
Shoe sole clamp. E. D. Ferguson. 2,607,058, Aug. 19.
Shoe sole composition. C. F. Backus. 2,600,461, June 17.
Shoe sole cutting off device. G. L. and G. C. Riecken. 2,581,771, Jan. 8.
Shoe sole, Detachable. F. H. Ogden. 2,595,694, May 6.
Shoe sole press. S. J. Campione. 2,594,728, Apr. 29.
Shoe sole straightener. D. C. Crawford. 2,587,971, Mar. 4.
Shoe soling apparatus. W. H. Doherty. 2,613,394, Oct. 14.
Shoe spike. J. R. Bernstein. 2,584,182, Feb. 5.
Shoe spike. A. G. Merlin. 2,582,053, Jan. 8.
Shoe stand with polishing cloth guides. G. J. Sherin. 2,582,567, Jan. 15.
Shoe supporting device for furniture. E. M. Fisher. 2,613,735, Oct. 14.
Shoe toe lining trimming machine. J. M. Ewart and L. S. Macdonald. 2,582,975, Jan. 22.
Shoe treating machinery. R. Seminara. 2,606,404, Aug. 12.
Shoe tree, Adjustable. H. Hauert. 2,581,952, Jan. 8.
Shoe tree for children, Novelty. H. Feldman. 2,580,746, Jan. 1.
Shoe tree, Longitudinally adjustable. F. C. Troutfetter. 2,595,736, May 6.
Shoe upper lacing machine with eccentrically mounted needles. A. A. Rivington. 2,614,278, Oct. 21.
Shoe uppers and the like, Formed. A. E. Ushakoff. 2,582,298, Jan. 15.
Shoe wax applicator and polisher, Finger held double-faced. G. E. Kay. 2,590,977, Apr. 1.
Shoe with cushioned heel-receiving pocket, Track. G. H. Gillis. 2,598,782, June 3.
Shoe with detachable upper. H. J. Marlowe. 2,607,133, Aug. 19.
Shoe with elastic back and added fastening means. A. Perugia. 2,592,182, Apr. 8.
Shoe with elastic webbing and loop thereover. J. H. Everston. 2,607,131, Aug. 19.
Shoe with interchangeable panel inserts. M. A. Fischer. 2,583,826, Jan. 29.
Shoe with sole having raised portions on its upper face. J. Hoza. 2,614,342, Oct. 21.
Shoe with sole leather toe. J. H. Everston. 2,587,300, Feb. 26.
Shoe with sole stay extension. J. H. Everston. 2,603,890, July 22.
Shoe with tapered rocker type midsole. W. H. Joyce, Jr. 2,611,978, Sept. 30.
Shoes having a wrapper strip, Making. G. F. Jonas. 2,596,029, May 6.
Shoes, Making. A. E. Murray. 2,606,333, Aug. 12.
Shoes, Making slip lasted. H. Binder. 2,621,349, Dec. 16.
Shoes, Miniature novelty. R. F. Wells. 2,606,105, Aug. 5.
Shoes using polymerizable plastic layers, Making. T. Spencer and A. E. Salmon. 2,601,007, June 17.
Shooting rest. W. E. Leek. 2,582,140, Jan. 8.
Shopping bag. J. D. Crary. 2,603,408, July 15.
Shopping bag. H. H. and E. B. Kleiss. 2,580,796, Jan. 1.
Shopping bag. B. K. Sommer. 2,617,569, Nov. 11.
Shopping bag. R. A. Witt. 2,608,227, Aug. 26.
Shoran intervalometer. J. E. Henry. 2,598,693, June 3.
Shoran mechanical straight-line computer. J. E. Henry. 2,591,698, Apr. 8.
Short-circuiting contactor for direct-current circuits. L. H. Harrison. 2,595,251, May 6.
Short-oil alkyd resin of low acid number and preparing the same. R. N. Du Puis and H. J. Wright. 2,609,348, Sept. 2.
Short path fractionating centrifugal still. G. Burrows. 2,617,760, Nov. 11.
Short path fractionating stills. G. Burrows. 2,614,973, Oct. 21.
Short round device. R. C. Heenan. 2,589,250, Mar. 18.
Shortstopping emulsion polymerization of conjugated diolefin hydrocarbons with N-substituted dithiocarbamates. W. A. Schulze and W. W. Crouch. 2,602,078, July 1.
Shortstopping of butadiene-1,3 emulsion polymerization. J. W. Adams and J. A. Reynolds. 2,616,875, Nov. 4.
Shortstopping the addition polymerization of unsaturated organic compounds. F. M. McMillan and E. T. Bishop. 2,601,673, June 24.
Shortstopping vinyl chloride polymerizations with conjugated dienes. L. F. Marous. 2,616,883, Nov. 4.
Shortstopping vinyl chloride polymerizations with conjugated trienic terpenes. D. C. Seymour. 2,616,880, Nov. 4.
Shortstopping vinyl chloride polymerizations with cyclomonoolefins. L. F. Marous. 2,616,884, Nov. 4.
Shortstopping vinyl chloride polymerizations with ethylenically-unsaturated ketones. D. C. Seymour. 2,616,881, Nov. 4.
Shortstopping vinyl chloride polymerizations with nitriles. R. E. Comerford, A. W. Fuhrman, and L. F. Marous. 2,616,888, Nov. 4.
Shortstopping vinyl chloride polymerizations with polyunsaturated monocarboxylic acids. M. H. Danzig. 2,616,886, Nov. 4.
Shortstopping vinyl chloride polymerizations with styrene and its derivatives. L. F. Marous. 2,616,885, Nov. 4.
Shortstopping vinyl chloride polymerizations with unsaturated aldehydes. M. H. Danzig and L. F. Marous. 2,616,887, Nov. 4.
Shortstopping vinyl chloride polymerizations with vinyl pyridines. D. C. Seymour. 2,616,882, Nov. 4.
Short turning hitch. S. E. Hilbiom. 2,603,502, July 15.
Shortening composition for and method of baking yeast-raised baked goods. F. F. Hansen. 2,602,748, July 8.
Shorts, Sport. W. R. S. MacRae and A. R. Kneibler. 2,599,769, June 10.
Shotgun cartridge. A. Vecchiotti. 2,617,358, Nov. 11.
Shotgun choke and compensator. I. D. Vironda. 2,589,171, Mar. 11.
Shot peening test fixture. C. E. Barton. 2,607,213, Aug. 19.
Shot shell manufacture. W. L. Finlay and D. R. Adessa. 2,608,140, Aug. 26.
Shot testing. W. L. Keefer. 2,585,657, Feb. 12.
Shoulder and ditch grading machine. F. L. Satterthwaite. 2,615,264, Oct. 28.
Shoulder and sleeve construction for garments, Simplified. C. Carvo. 2,586,515, Feb. 19.
Shoulder-bead for use in dry wall construction. A. H. Dunlap. 2,593,859, Apr. 22.
Shoulder frame. J. L. Despres. 2,596,842, May 13.
Shoulder harness for artificial arms. S. W. Alderson. 2,592,842, Apr. 15.
Shoulder mortar. C. E. Simpson. 2,590,897, Apr. 1.
Shoulder pad. E. D. Gerry. 2,620,484, Dec. 9.
Shoulder pad. J. Martone. 2,617,993, Nov. 18.
Shoulder pad and prong type attaching means. S. Lerma. 2,619,650, Dec. 2.
Shoulder pad for garments. S. Frais. 2,586,423, Feb. 19.
Shoulder pad for hangers, Removable. R. Sarti. 2,614,736, Oct. 21.
Shoulder pad structure. D. A. Donegan. 2,615,172, Oct. 28.
Shoulder pads and analogous manufactures, Making. S. Kaufman. 2,603,391, July 15.
Shoulder pads, Making. S. Kaufman. 2,603,390, July 15.
Shoulder piece. R. P. J. Petit. 2,591,372, Apr. 1.
Shoulder-pressing machine for garments and the like, Outside. C. G. Westwood. 2,618,084, Nov. 18.
Shoulder protector and garment strap holder. J. M. Ward and C. A. Sutphin. 2,589,755, Mar. 18.
Shoulder rest for violins, Removable. M. Klein. 2,591,164, Apr. 1.
Shoulder shield, Coat hanger. S. D. Mallory. 2,597,509, May 20.
Shoulder wing for dress forms, Collapsible. A. Laikauf. 2,620,099, Dec. 2.
Shovel attachment for crawler tractors. S. F. Bradford. 2,613,006, Oct. 7.
Shovel attachment for motor vehicles, Snow. S. J. Flacco. 2,603,007, July 15.
Shovel, Cultivator. J. J. Pleskac. 2,586,255, Feb. 19.
Shovel, Power. W. M. Royer. 2,620,161, Dec. 2.
Shovel, Wheeled snow. J. W. Weingart. 2,598,952, June 3.
Showcase, Combination unit. R. J. Gunder. 2,584,869, Feb. 5.
Showcase, self- service refrigerated. K. A. Weber. 2,597,417, May 20.
Shower. F. L. Taulman. 2,609,232, Sept. 2.
Shower apparatus. W. R. Vickroy. 2,621,968, Dec. 16.
Shower apparatus, Adjustable. B. A. Alvey. 2,598,092, May 27.
Shower bath cabinet. J. P. Harner. 2,594,645, Apr. 29.
Shower bath, foot bath, and bidet apparatus, Combined. M. M. Ocaña. 2,589,281, Mar. 18.
Shower head. C. H. Bentley. 2,580,722, Jan. 1.
Shower head. G. Hinderer. 2,608,443, Aug. 26.
Shower head. I. H. Russell. 2,583,232-3, Jan. 22.
Shower head. I. H. Russell and W. E. Sloan. 2,583,234, Jan. 22.
Shower head, Revolving. J. C. Sarbu. 2,622,927, Dec. 23.
Shower stool and drain fitting, Combination. B. N. Greene. 2,611,135, Sept. 23.
Shower unit, Knockdown. M. S. Voorhees. 2,617,116, Nov. 11.
Shrimp and minnow adapter fish lure. G. J. Pitre. 2,598,011, May 27.
Shrimp distributing machine. W. O. Smith. 2,589,580, Mar. 18.
Shrinkage resistance treatment of woolen goods. J. Zimmerman, H. W. Wolf, and L. I. Weiner. 2,590,811, Mar. 25.
Shrinking hammer for sheet metal working. D. D. Schmeling. 2,599,786, June 10.
Shroud supporting frame for automobile engine compartments. A. R. Newell. 2,612,233, Sept. 30.
Shrouded tail rotor. J. G. Lee. 2,609,053, Sept. 2.
Shuffleboard weight. C. Decepoli. 2,600,856, June 17.
Shuffleboard weight with covered edges. E. H. Tjomsland. 2,606,030, Aug. 5.
Shuffling decks of playing cards. W. A. Fonken. 2,615,719, Oct. 28.
Shutdown seal control for elastic fluid compressors. W. H. Church. 2,602,680, July 8.
Shut-off arrangement for mercury vapor systems. O. L. Wood and H. N. Hackett. 2,607,192, Aug. 19.

Shutoff for gas burners, Automatic safety. G. E. Williams. 2,606,606, Aug. 12.
Shutoff mechanism for an injection nozzle. R. O. Wondra. 2,585,204, Feb. 12.
Shutoff valve. P. L. Born. 2,581,071, Jan. 1.
Shutoff valve. D. L. Phillips. 2,604,293, July 22.
Shutter. R. B. Betancourt. 2,602,502, July 8.
Shutter. G. B. Richmond. 2,604,029, July 22.
Shutter, Adjustable window. L. M. Kendall. 2,607,451, Aug. 19.
Shutter and awning, Combination. E. T. Wheeler. 2,611,936, Sept. 30.
Shutter and lens mount construction for photographic cameras. T. W. Clifford. 2,620,712, Dec. 9.
Shutter blind. A. J. Olson. 2,617,157, Nov. 11.
Shutter controlling device. E. S. Scanlon. 2,580,604, Jan. 1.
Shutter for cameras, Focal plane. C. W. Petersén. 2,608,144, Aug. 26.
Shutter for internal-combustion engines. J. Rozen. 2,597,822, May 20.
Shutter for motion-picture projectors. W. R. Isom. 2,609,724, Sept. 9.
Shutter leaf driving means for between-the-lens shutters. A. H. Gorey. 2,593,873, Apr. 22.
Shutter mechanism. T. C. Nuttall. 2,619,871, Dec. 2.
Shutter release. O. C. Turner. 2,584,067, Jan. 29.
Shutter structure. D. I. Hite. 2,610,371, Sept. 16.
Shutter, Variable light interrupting. W. R. Isom and D. R. Andrews. 2,609,725, Sept. 9.
Shutter, Vertical. D. F. Hall. 2,607,452, Aug. 19.
Shuttering for molding concrete walls in situ. R. W. Rumble. 2,602,210, July 8.
Shuttering for use in molding arched concrete roof structures. A. H. Hawes. 2,616,148, Nov. 4.
Shuttle. J. T. Pospiszel. 2,604,125, July 22.
Shuttle. J. T. Pospiszel. 2,616,455, Nov. 4.
Shuttle. A. Roelandts. 2,583,796, Jan. 29.
Shuttle blocks, Making. J. R. Curtis. 2,586,308, Feb. 19.
Shuttle box. H. Hoeber. 2,599,108, June 3.
Shuttle box and shuttle for filling replenishing looms. J. M. Jenkins. 2,615,476, Oct. 28.
Shuttle box for looms. L. J. Carter. 2,596,651, May 13.
Shuttle car. W. R. Beck. 2,588,341, Mar. 11.
Shuttle car. W. R. Beck. 2,592,532, Apr. 15.
Shuttle car. W. R. Beck. 2,609,116, Sept. 2.
Shuttle car. A. L. Lee. 2,599,061, June 3.
Shuttle cleaner for sewing machines. E. Goldstein. 2,597,632, May 20.
Shuttle cleaner. R. Whewell, Jr. 2,599,731, June 10.
Shuttle ejection mechanism for looms. J. Ibañez Batlló. 2,615,474, Oct. 28.
Shuttle eye. N. E. Klein. 2,616,456, Nov. 4.
Shuttle for looms, Pivoted spindle type. M. M. Taylor and S. M. Fulton. 2,621,683, Dec. 16.
Shuttle for sewing machines, Electromagnetic. A. Hagquist. 2,608,945, Sept. 2.
Shuttle guard. I. B. Green. 2,596,545, May 13.
Shuttle loading rack. J. Henle. 2,609,102, Sept. 2.
Shuttle mechanism for looms. B. Liebowitz. 2,620,831, Dec. 9.
Shuttle winder. J. E. McArthur. 2,586,548, Feb. 19.
Sickle, Grass and weed whip. R. H. Koke. 2,620,561, Dec. 9.
Sickle guard. E. L. Mills and D. A. Donahue. 2,619,787, Dec. 2.
Sickle hold-down, Adjustable. S. T. Brekke. 2,601,754, July 1.
Sickle mowing unit, Multiple. C. L. Pelham. 2,603,052, July 15.
Side bearing. T. H. Birch and E. F. Reinke. 2,623,795, Dec. 30.
Side bearing. E. H. Blattner. 2,617,697, Nov. 11.
Side catch and lock for bag frames, Combined. A. Levine. 2,594,940, Apr. 29.
Side chain halogenation of alkyl thiophenes. J. T. Clarke. 2,585,091, Feb. 12.
Side construction for railway freight cars. A. J. Doyle. 2,618,226, Nov. 18.
Side cutting rotary tool. S. W. Compton and J. G. Hall. 2,623,552, Dec. 30.
Side delivery rake and frame therefor. M. E. McClellan. 2,583,383, Jan. 22.
Side draft compensating and steering wheel. M. Sokolik. 2,589,444, Mar. 18.
Side dump vehicle. H. A. Peller. 2,618,507, Nov. 18.
Side-fed forming press for elongated workpieces and feed and discharge mechanism therefor. D. O. McCall. 2,588,325, Mar. 4.
Side frame construction for power lawn mowers. W. E. Sullivan. 2,586,738, Feb. 19.
Side guide construction for sheet metal uncoilers. R. T. Todd. 2,622,655, Dec. 23.
Side mount pillow block bearing. R. H. Whiteley. 2,591,221, Apr. 1.
Side opening carrying case. A. and M. Katz. 2,616,473, Nov. 4.
Side opening milk cooler. R. D. Pusey. 2,608,836, Sept. 2.
Side opening suction cleaner. F. C. Doughman. 2,580,645, Jan. 1.
Side-plug hydraulic cellar gate. F. J. Schweitzer, Jr. 2,592,197, Apr. 8.
Side rail for beds. A. W. Schutzer. 2,599,663, June 10.
Side rake pitch control means. G. B. Hill. 2,595,788, May 6.
Side rake spring tooth. G. B. Hill. 2,607,182, Aug. 19.
Side rake tooth mounting. A. M. Best. 2,608,046, Aug. 26.
Side slipping weft detector for looms. L. A. Carron. 2,589,990, Mar. 18.
Side tensioner for bales. P. P. Wuertz. 2,610,575, Sept. 16.
Side wall coring tool. W. L. Church. 2,611,582, Sept. 23.
Side wall sample taking apparatus. M. Mennecier. 2,599,405, June 3.
Side-wall sampler. C. B. Caruthers. 2,585,369, Feb. 12.
Side wall sampler. P. D. Cornelius. 2,594,292, Apr. 29.
Side wall tester. M. O. Johnston. 2,621,743, Dec. 16.
Siding corner piece. M. V. Engelbach. 2,620,519, Dec. 9.
Siftproof automatic bag and making. W. J. McDowell. 2,622,786, Dec. 23.
Sifter. L. M. Barbery. 2,592,850, Apr. 15.
Sifter, Flour. E. L. Dennis. 2,607,491, Aug. 19.
Sifter top container with rotatable closure for covering and uncovering sifter openings therein. J. T. Agerton. 2,605,027, July 29.
Sifting and pouring spout, Combined. M. H. Klausmann. 2,589,819, Mar. 18.
Sight and action cover for guns. H. W. Brelsford. 2,599,689, June 10.
Sight card index. A. Fürer. 2,601,854, July 1.
Sight for trench excavators. D. F. Przybylski. 2,580,954, Jan. 1.
Sight glass fitting for piping systems. P. Baird. 2,592,848, Apr. 15.
Sight radius device for firearms, Adjustable. H. F. Genzhorn. 2,593,870, Apr. 22.
Sighting device for weapons. A. Gerber. 2,590,954, Apr. 1.
Sighting-in support for firearms. M. F. Booth. 2,589,039, Mar. 11.

Sign: *See*—
- Activated sign.
- Changeable display sign.
- Display sign.
- Edge illuminated sign.
- Grid-type display sign.
- Highway sign.
- Illuminated sign.
- Moving sign.
- Oscillating variably lighted letter sign.
- Portable traffic sign.
- Street sign.

Sign. J. B. Benge. 2,586,504, Feb. 19.
Sign. H. A. Husted. 2,587,325, Feb. 26.
Sign. P. Kress and A. Jankel. 2,583,055, Jan. 22.
Sign. C. S. McNulty and C. S. McNulty, Jr. 2,580,688, Jan. 1.
Sign. W. G. Rericker. 2,621,431, Dec. 16.
Sign. G. G. Wagoner. 2,603,897, July 22.
Sign and making the same. H. G. Buck. 2,591,779, Apr. 8.
Signboard, Collapsible. G. R. Asachika. 2,591,494, Apr. 1.
Signboard, Electrically operated. G. R. Chervenka and R. E. Kane. 2,623,111, Dec. 23.
Sign character element. H. R. Owen and R. Brown. 2,623,315, Dec. 30.
Sign construction, Double-faced. R. G. Hamilton. 2,615,268, Oct. 28.
Sign for streets, etc. E. A. Ferm. 2,597,783, May 20.
Sign having removable lamp and socket units, Illuminable. C. L. Dwinell. 2,620,580, Dec. 9.
Sign letter, Three-dimensional. M. E. Braun, Sr. 2,584,253, Feb. 5.
Sign mounting. R. L. Lisle. 2,613,464, Oct. 14.
Sign supporting structure. S. W. Kanaval. 2,584,713, Feb. 5.
Sign with interchangeable characters. T. J. Bennett. 2,608,014, Aug. 26.

Signal: *See*—
- Automobile directional signal.
- Automatic rural mail-box signal.
- Battery - operated sound signal.
- Deceleration signal.
- Dictating machine signal.
- Fishing pole signal.
- Fishing signal.
- Fishing tip-up signal.
- Flasher type traffic signal.
- High-visibility traffic signal.
- High water signal.
- Irrigation signal.
- Military convoy control signal.
- Motor vehicle passing signal.
- Pay station time signal.
- Portable road signal.
- Time signal.
- Traffic signal.
- Warning signal.

Signal actuated tuner control. A. G. Tynan. 2,614,213, Oct. 14.
Signal amplifying system. E. W. Hogue. 2,598,259, May 27.
Signal amplifying system. E. O. Keizer. 2,586,956, Feb. 26.
Signal apparatus, Program. M. A. Blouin. 2,591,335, Apr. 1.
Signal arm. M. C. Magarian. 2,610,603, Sept. 16.
Signal assembly. A. Diebold. 2,615,084, Oct. 21.
Signal attachment for flashlights. F. E. Burdick. 2,581,784, Jan. 8.
Signal buoy balloon. H. M. Martin. 2,619,303, Nov. 25.
Signal circuits, Selective. G. R. Clark. 2,607,007, Aug. 12.
Signal comparing apparatus. R. A. Lake. 2,581,961, Jan. 8.

Signal compression and expansion arrangements in electric communication systems. B. B. Jacobsen. 2,586,825, Feb. 26.
Signal control device. S. H. Lapidus. 2,596,858, May 13.
Signal conversion system. J. P. Smith. 2,587,005–6, Feb. 26.
Signal device for automotive vehicles, Turning. F. W. Sampson. 2,596,440, May 13.
Signal device for fishermen. L. W. Reddick. 2,580,956, Jan. 1.
Signal device for indicating overheated bearings and the like. R. D. Finnell. 2,596,847, May 13.
Signal device, Tunable wave. J. A. Rado. 2,593,183, Apr. 15.
Signal flare extension device. R. W. Smith and I. A. Spady. 2,620,763, Dec. 9.
Signal for autos, Brake release. A. A. and M. F. Sweeny. 2,584,938, Feb. 5.
Signal for damper control, Delayed-action. F. W. Howland. 2,595,663, May 6.
Signal for mailboxes, Mail delivery. J. J. Joyce. 2,613,031, Oct. 7.
Signal for vehicles, Directional. L. Burmeister and H. S. Hollnagel. 2,601,587, June 24.
Signal gain control circuits. L. Moffett. 2,610,260, Sept. 9.
Signal generating device. L. R. Philpott. 2,596,167, May 13.
Signal generator. R. Beaufoy. 2,585,079, Feb. 12.
Signal generator. H. L. Gerwin. 2,596,142, May 13.
Signal generator. A. V. Haeff and T. E. Hanley. 2,589,248, Mar. 18.
Signal generator. W. A. Yonkers. 2,595,623, May 6.
Signal generator system. M. K. Goldstein. 2,607,034, Aug. 12.
Signal integrating tube for radar. A. V. Haeff. 2,617,073, Nov. 4.
Signal light. J. D. Lash. 2,593,901, Apr. 22.
Signal light for fishing lines. A. D. Robinson. 2,587,223, Feb. 26.
Signal light system, Automotive. T. F. Young. 2,623,935, Dec. 30.
Signal means for basketball baskets. A. C. Holmdahl. 2,593,758, Apr. 22.
Signal mixing circuits. R. C. Goertz. 2,614,237, Oct. 14.
Signal monitoring. S. I. Cory. 2,597,071, May 20.
Signal quantizer. G. C. Sziklai. 2,617,879, Nov. 11.
Signal receiver for carrier-wave telephony systems. W. Six, H. G. Beijers, and J. te Winkel. 2,596,612, May 13.
Signal repeater, Two-way. H. Garderè. 2,594,007, Apr. 22.
Signal responsive aparatus. J. P. Eckert, Jr., and J. W. Mauchly. 2,600,744, June 17.
Signal responsive circuit. J. P. Eckert, Jr., and J. W. Mauchly. 2,590,950, Apr. 1.
Signal responsive circuit. J. A. Morton. 2,595,691, May 6.
Signal responsive receiver. G. D. Hanchett, Jr. 2,610,293, Sept. 9.
Signal selecting means. W. Lyons. 2,604,587, July 22.
Signal selection. W. S. Pike. 2,593,600, Apr. 22.
Signal sending device within automatic telephone system. K. G. Johnson and N. V. Hofstrand. 2,596,245, May 13.
Signal shaping circuits and method. H. French. 2,597,630, May 20.
Signal switch for motor vehicles, Self-canceling directional. A. Gazda. 2,611,043, Sept. 16.
Signal system, Emergency stop flasher. J. R. Hollins. 2,607,840, Aug. 19.
Signal system for elevators. D. Schultz. 2,588,299, Mar. 4.
Signal system, Warning. W. B. Connolly. 2,605,339, July 29.
Signal-to-noise ratio in pulse reception. M. G. Nicholson, Jr. 2,612,603, Sept. 30.
Signal to noise ratio of radar systems. C. W. Hansell. 2,590,405, Mar. 25.
Signal transformer. R. S. Curry, Jr. 2,590,845, Apr. 1.
Signal translating apparatus. R. Adler. 2,616,036, Oct. 28.
Signal translating arrangement. H. A. Wheeler. 2,609,496, Sept. 2.
Signal translating device, Semiconductor. W. G. Pfann. 2,597,028, May 20.
Signal transmission system. T. Walmsley and R. C. Leigh. 2,581,056, Jan. 1.
Signal tuned radio apparatus. O. Gierwiatowski. 2,622,202, Dec. 16.
Signal voltage frequency converter. T. E. Jacobi and W. L. Gensel. 2,616,075, Oct. 28.
Signal voltage regulator for power line high-frequency transmitters. R. N. Eichorn. 2,610,241, Sept. 9.
Signal volume varying system. A. R. Morgan. 2,592,313, Apr. 8.
Signaling and gauging unit, Combined. A. E. Mathey. 2,617,303, Nov. 11.
Signaling apparatus. F. J. and O. W. Neubauer. 2,595,980, May 6.
Signaling apparatus. R. M. Showers and A. L. Welsbecker. 2,617,380, Nov. 11.
Signaling apparatus, Coded. C. W. Fallor. 2,607,002, Aug. 12.
Signaling apparatus for automotive vehicles, Direction and caution. W. V. Dye. 2,584,991, Feb. 12.
Signaling apparatus, Liquid level. F. A. Forero. 2,588,102, Mar. 4.
Signaling arrangement for two-wire telephone lines. H. Gardère. 2,598,159, May 27.
Signaling device. F. Edwards. 2,610,604, Sept. 16.
Signaling device. S. Lando. 2,608,784, Sept. 2.
Signaling device. T. W. Rieder. 2,603,698, July 15.
Signaling device. K. B. Thompson. 2,621,623, Dec. 16.
Signaling device. J. E. Williams. 2,608,614, Aug. 26.
Signaling device, Curb proximity. A. B. Rose. 2,592,742, Apr. 15.
Signaling device, Direction. E. L. Barcus. 2,611,047, Sept. 16.
Signaling device, Holdup. J. Neal, Sr. 2,597,556, May 20.
Signaling device, Perforating recorder. H. W. Goff. 2,609,433, Sept. 2.
Signaling device, Underwater. C. F. Bowersett. 2,601,245, June 24.
Signaling drink mixer. R. P. Pierce. 2,597,522, May 20.
Signaling employing polarized lights, Method and apparatus for. P. H. Lee. 2,591,837, Apr. 8.
Signaling on railways. K. A. Fletcher. 2,609,488, Sept. 2.
Signaling over telephone lines by means of a nonlinear resistance. S. L. Hjertstrand. 2,596,025, May 6.
Signaling system. D. K. Gannett. 2,585,545, Feb. 12.
Signaling system. G. Glinski. 2,620,383, Dec. 2.
Signaling system. R. M. M. Oberman. 2,611,815, Sept. 23.
Signaling system. R. M. M. Oberman and A. Snijders. 2,622,141, Dec. 16.
Signaling system, Carrier type. K. E. Appert. 2,611,031, Sept. 16.
Signaling system, Electric. J. G. Gordon-Wright. 2,583,642, Jan. 29.
Signaling system for single-track railroads. R. B. Annear. 2,581,509, Jan. 8.
Signaling system for special railway vehicles, Supplemental. H. A. Thompson. 2,617,922, Nov. 11.
Signaling system for telegraph links. R. M. M. Oberman. 2,606,251, Aug. 5.
Signaling system, Push-pull. M. Rettinger. 2,587,210, Feb. 26.
Signaling system using rectifiers back to back, Selective. W. H. T. Holden. 2,586,821, Feb. 26.
Signaling system with private branch exchange subscriber. R. M. M. Oberman. 2,598,822, June 3.
Signaling wand for flashlights. F. Lehoczki. 2,591,269, Apr. 1.
Signature feeding and stitching machine. A. H. Schmidtke. 2,615,161, Oct. 28.
Signature flatwise gathering machine. P. E. Kleineberg and P. Lariviere. 2,621,039, Dec. 9.
Silage blower with auger feed table. G. B. Hill and J. R. West. 2,616,765, Nov. 4.
Silahydrocarbons and their production. J. T. Goodwin, Jr. 2,592,681, Apr. 15.
Silalactones and disiloxane dibasic acids, Production of. L. H. Sommer. 2,589,447, Mar. 18.
Silencing network. G. Hepp. 2,617,019, Nov. 4.
Silent closing pilot-operated valve. E. C. Baisel. 2,615,467, Oct. 28.
Silent or seminoiseless vibrator. E. S. Cannon. 2,590,155, Mar. 25.
Silent pawl and ratchet. F. Glenger. 2,581,648, Jan. 8.
Silica-alumina bead catalyst, Preparation of. R. E. Schexnailder, Jr. 2,582,722, Jan. 15.
Silica-alumina-group VIII metal catalyst. F. G. Ciapetta and W. H. Buck. 2,589,189, Mar. 11.
Silica base lubricating grease. A. F. Sirianni and I. E. Puddington. 2,583,605, Jan. 29.
Silica base lubricating greases. A. F. Sirianni and I. E. Puddington. 2,583,606, Jan. 29.
Silica-boria catalysts containing alumina or magnesia, Preparation of. J. P. West. 2,584,405, Feb. 5.
Silica brick from highly siliceous sands, Manufacture of. F. W. Cramer and O. W. F. Saffran. 2,599,236, June 3.
Silica-extended tin oxide and preparing same. H. W. Richter. 2,600,689, June 17.
Silica-magnesia bead catalyst, Preparation of. D. G. Braithwaite. 2,582,099, Jan. 8.
Silica-magnesia catalyst for hydrocarbon-oil conversion. G. M. Webb. 2,605,237, July 29.
Silica membranes, Manufacture of. J. Robillard and C. Pierrès. 2,617,153, Nov. 11.
Silica-metal oxide gel catalyst, Preparation of a. G. C. Connolly. 2,595,056, Apr. 29.
Silica powder, Producing. C. A. Kumins and G. R. Greening. 2,588,853, Mar. 11.
Silica sols and making same. F. J. Wolter. 2,601,352, June 24.
Silica sols and preparation thereof from metallic silicon. J. H. Balthis. 2,614,995, Oct. 21.
Silica sols from finely divided silicon, Preparation of. J. H. Balthis. 2,614,994, Oct. 21.
Silica sols from silicon metal, Preparation of. V. I. Montenyohl and C. M. Olson. 2,614,993, Oct. 21.
Silica-zirconium oxide catalyst for the conversion of hydrocarbons, Preparing a. J. R. Bates and G. R. Bond, Jr. 2,580,641, Jan. 1.
Silicic acid sols, Preparing. R. K. Iler. 2,588,389, Mar. 11.

Silicon carbide circuit elements, Making. H. F. Dienel and G. K. Teal. 2,601,373, June 24.
Silicon carbide refractory article. J. P. Swentzel. 2,609,318, Sept. 2.
Silicon chlorides, Production of. D. F. Stedman. 2,621,111, Dec. 9.
Silicon-containing alcohols. J. L. Speier, Jr. 2,582,569, Jan. 15.
Silicon-containing esters. J. L. Speier. 2,582,568, Jan. 15.
Silicon-containing resins, Production of. R. H. Bunnell. 2,607,755, Aug. 19.
Silicon nitride-bonded articles, Manufacture of. K. C. Nicholson. 2,618,565, Nov. 18.
Silicon steel, Heat-treating. N. B. Ornitz. 2,603,578, July 15.
Silicon sulfide, Production of. C. Alvarez-Tostado and W. B. Harolw. 2,589,653, Mar. 18.
Silicone elastomer golf ball core. F. S. Martin. 2,609,201, Sept. 2.
Silicone greases. N. G. Holdstock. 2,606,153, Aug. 5.
Silicone oil lubricating composition. D. H. Moreton. 2,618,600, Nov. 18.
Silk screen printing machine. L. G. Dubuit. 2,588,620, Mar. 11.
Silk screen printing press. C. A. Wing. 2,610,579, Sept. 16.
Silo filler pipe. F. A. Gruetjen. 2,583,836, Jan. 29.
Silo unloader. G. D. Clapp. 2,595,333, May 6.
Silo unloader. G. D. Clapp. 2,615,594, Oct. 28.
Siloxane-alkyd copolymers, Modified. J. T. Goodwin, Jr., and M. J. Hunter. 2,589,243, Mar. 18.
Siloxane lubricants. M. C. Hommel. 2,599,917, June 10.
Siloxane putty. E. L. Warrick. 2,608,545, Aug. 26.
Siloxane resins. E. J. Smith. 2,605,194, July 29.
Siloxanes having hydrogen atom directly attached to silicon atoms. A. J. Barry. 2,590,812, Mar. 25.
Siloxanes produced by hydrolysis of halogen substituted silacyclohydrocarbons. J. M. Hersh. 2,615,033, Oct. 21.
Silver and zinc accumulator having an insoluble negative electrode. H. G. André. 2,594,712, Apr. 29.
Silver and zinc accumulator with insoluble negative electrode and invariable electrolyte. H. André. 2,594,709, Apr. 29.
Silver-beryllium oxide catalyst and making same. G. W. Sears, Jr., and W. W. Thompson. 2,605,240, July 29.
Silver catalyst supported on a $MgO\text{-}Al_2O_3$ spinel. G. Calingaert. 2,593,100, Apr. 15.
Silver halide developer containing a film-forming plastic and a water insoluble finely comminuted solid substance. E. H. Land. 2,616,807, Nov. 4.
Silver halide developer containing 2 (β-hydroxyethyl) aminophenol and p-hydroxyphenylamino acetic acid. D. H. O. John and G. T. J. Field. 2,610,122, Sept. 9.
Silver halide emulsion containing a thio-imino-uruzole as a stabilizer. J. D. Kendall and D. J. Fry. 2,590,775, Mar. 25.
Silver iodide crystals, Making. R. A. Watson. 2,620,264, Dec. 2.
Silver plating. H. Wolfson and B. Thomson. 2,613,179, Oct. 7.
Silver recovery from sodium thiosulfate solutions. B. H. Holman. 2,607,721, Aug. 19.
Silver-silver oxide catalyst on fused beryllia. R. L. Heider. 2,606,160, Aug. 5.
Silver solder alloy. R. J. Smith and R. J. Marcotte. 2,584,774, Feb. 5.
Silverware container. B. Egeberg, M. A. Orr, and J. P. Phaneuf. 2,590,095, Mar. 25.
Silverware container. M. I. Naken. 2,609,921, Sept. 9.
Silvering incandescent bulbs of the reflecting type. W. C. Fink. 2,619,430, Nov. 25.
Silylphenoxyalcohols. J. L. Speier, Jr. 2,584,751, Feb. 5.
Simmer control for a valve for a gaseous fuel. E. H. Mueller. 2,583,959, Jan. 29.
Simple turbidity measuring device. Z. I. Kertesz. 2,595,082, Apr. 29.
Simplified chassis for electronic equipment. D. H. Mitchell. 2,581,967, Jan. 8.
Simulated flowers, Making. G. H. La Marque. 2,599,647, June 10.
Simulated geyser. J. R. Wilson and I. C. Lane. 2,619,377, Nov. 25.
Simulated golf game. E. B. Grogan. 2,618,482, Nov. 18.
Simulated window. F. J. Sterling. 2,589,744, Mar. 18.
Simultaneous amplitude modulation and phase modulation with economy in bandwidth. M. Kalfaian. 2,611,826, Sept. 23.
Simultaneous blueing and dustproofing of solid carboniferous fuels. R. B. Van Order. 2,621,115, Dec. 9.
Simultaneously dyeing and partially saponifying cellulose acetate staple fibers. T. H. Hilliard. 2,616,779, Nov. 4.
Simultaneously purifying and dehydrating caustic alkali solutions containing chlorates. D. J. Pye. 2,610,105, Sept. 9.
Sine and cosine function voltage device. C. C. Shumard. 2,598,312, May 27.
Sine-bar grinding wheel truing device. L. P. Black. 2,583,408, Jan. 22.
Single acting pump. E. L. Fitch. 2,604,054, July 22.
Single and multiple bend tangent bending machine. L. B. Green. 2,596,848, May 13.
Single-bath chrome dyeing processes and compositions, including ammonium sulfate and diammonium phosphate. W. B. Coleman and G. M. Coté. 2,593,850, Apr. 22.
Single beam three color cathode-ray tube. J. H. Hornrighous. 2,605,434, July 29.
Single channel mobile telephone system. R. H. Herrick. 2,616,032, Oct. 28.
Single channel, single frequency, mobile radio telephone system. R. H. Herrick. 2,623,164, Dec. 23.
Single crystal fabrication. W. A. Rocco. 2,594,998, Apr. 29.
Single-disk spot-type brake with one point adjustment. J. G. Hawley. 2,614,662, Oct. 21.
Single facer drive. E. L. Mumma. 2,600,907, June 17.
Single fire enameling process and article. T. F. Olt and J. J. Canfield. 2,602,758, July 8.
Single gutter barn cleaner. N. Cordis. 2,603,344, July 15.
Single leaf springs, Making. R. Schilling. 2,608,752, Sept. 2.
Single leaf spring suspension for automobiles. K. E. Lyman. 2,615,710, Oct. 28.
Single manipulative pressure adjuster and auxiliary release for wringers. N. L. Etten. 2,589,353, Mar. 18.
Single mixing valve. G. W. Wentz and G. Neumann. 2,623,752, Dec. 30.
Single phase induction motor. K. Burian. 2,606,311, Aug. 5.
Single-phase motor control. H. F. Clark. 2,593,268, Apr. 15.
Single-phase winding. G. R. Anderson, Jr. 2,622,217, Dec. 16.
Single piston injection pump with fuel distributor for multicylinder combustion engines. W. Voit and U. Aldinger. 2,614,494, Oct. 21.
Single pole double throw switch. H. E. Cobb and W. C. Furnas. 2,620,409, Dec. 2.
Single pulse generator. L. A. MacDonald and R. B. Mancke. 2,585,805, Feb. 12.
Single revolution drive control for rotary printing presses. W. W. Davidson. 2,603,154, July 15.
Single side band modulator. R. A. McConnell. 2,589,838, Mar. 18.
Single side band radio signaling. W. S. Percival. 2,611,860, Sept. 23.
Single sole shoe seam and making the same. S. Palmieri. 2,621,426, Dec. 16.
Single spindle chucking machine. A. E. Driessner. 2,593,277, Apr. 15.
Single-trigger mechanism. G. E. Larsson. 2,581,339, Jan. 8.
Single-tube frequency-modulated oscillator. B. E. Lenelmn. 2,615,984, Oct. 28.
Sink and deck assembly. A. H. Galley. 2,584,860, Feb. 5.
Sink construction. T. Bargman. 2,588,464, Mar. 11.
Sink construction and installation. M. D. Skinner. 2,582,463, Jan. 15.
Sink drain device. A. J. Hiertz. 2,617,997, Nov. 18.
Sink frame and mounting. W. L. Bonnell. 2,582,816, Jan. 15.
Sink molding. T. R. Wycoff. 2,600,599, June 17.
Sink mounting. L. L. Bair. 2,588,074, Mar. 4.
Sink pad. J. H. Suarez. 2,596,735, May 13.
Sink, Portable camping. J. C. Leavitt. 2,594,938, Apr. 29.
Sinker. M. de Coux. 2,604,719, July 29.
Sinker cam assembly for knitting machines, Adjustable. M. P. Dodds. 2,604,766, July 29.
Sinker cap. E. St. Pierre. 2,580,971, Jan. 1.
Sinker cap and operating mechanism. E. St. Pierre. 2,582,465, Jan. 15.
Sinker for fishing lines. E. B. Gibson. 2,611,988, Sept. 30.
Sinker head for knitting machines. A. J. Cobert. 2,618,950, Nov. 25.
Sinkers for straight-bar knitting machines, Manufacture of. R. W. Lenton. 2,619,817, Dec. 2.
Sintered high energy permanent magnets. R. J. Studders and D. G. Ebeling. 2,617,723, Nov. 11.
Sintered hydrocarbon-synthesis catalyst bed, Preparation of a. D. R. McAdams. 2,623,022, Dec. 23.
Sintered iron bodies and processes therefor. J. E. Drapeau, Jr., J. H. Smith and R. J. Halsted. 2,610,118, Sept. 9.
Sintering machine. W. Kelsey. 2,614,828–9, Oct. 21.
Sintering machine. H. E. Rowen. 2,622,870, Dec. 23.
Sintering silver contact material. N. S. Hoyer. 2,621,123, Dec. 9.
Siphon, Compound. C. Arne. 2,617,262, Nov. 11.
Siphon for filling milk cans. W. J. Tammings. 2,604,294, July 22.
Siphoning device. H. Stephens. 2,617,440, Nov. 11.
Siren, Rotary. E. S. Russell. 2,616,956, Nov. 4.
Sirup and water dispenser. R. J. Minder and F. E. Fowler. 2,618,217, Nov. 18.
Sirup measuring and dispensing pump. O. Maisch. 2,619,039, Nov. 25.
6-alkoxy-2-tetralones. M. Matter and H. von Sprecher. 2,599,650, June 10.
6 and 7-bromomethyl pteridines and preparing same. J. H. Boothe. 2,584,538, Feb. 5.
6-methoxy-8(4-amino-1-methylbutylamino)-quinoline, Preparation and manufacture of. R. C. Elderfield and E. Werble. 2,604,474, July 22.
6-methylocta-3 : 5 : 7-trien-2-one. I. M. Heilborn, B. C. L. Weedon and E. R. H. Jones. 2,606,930, Aug. 12.
6,7-dichloro-9-(1'-D-sorbityl)-isoalloxazine. F. W. Holly, C. H. Shunk, and K. Folkers. 2,621,175, Dec. 9.

6,7-dihydro-5H-dibenz[c,e]azepine and derivatives thereof. W. Wenner. 2,619,484, Nov. 25.
16-alkyl steroids and preparing. P. L. Julian, E. W. Meyer, and H. Printy. 2,588,391, Mar. 11.
Sizer and classifier. M. P. Davies. 2,607,488, Aug. 19.
Sizing and bleaching a wet web. R. L. McEwen. 2,613,579, Oct. 14.
Sizing compositions and their preparation and use in paper. H. J. Tadema. 2,602,739, July 8.
Sizing fibrous materials with modified urea-formaldehyde resin. C. S. Maxwell. 2,582,840, Jan. 15.
Sizing roll construction for potato graders. A. J. Troyer. 2,588,309, Mar. 4.
Skate, Roller. E. Balstad. 2,595,751, May 6.
Skate, Roller. F. J. Wagner. 2,606,768, Aug. 12.
Skate roller assembly. H. A. Lee. 2,617,688, Nov. 11.
Skate wheel. V. J. Brown and H. C. Costello. 2,599,540, June 10.
Skate wheel. V. E. Deschenes. 2,612,410, Sept. 30.
Skein holder. H. J. Maxfield. 2,582,497, Jan. 15.
Skewer. D. N. Harvey, Jr. 2,589,545, Mar. 18.
Skewer roaster frame. J. J. Jacobson. 2,580,549, Jan. 1.
Ski. J. Authier. 2,605,111, July 29.
Ski. A. G. Hem. 2,581,532, Jan. 8.
Ski and making the same. A. G. Strand. 2,611,623, Sept. 23.
Ski and ski tip attachment. M. A. Gurvich. 2,611,624, Sept. 23.
Ski attachment for wheeled vehicles. "E." L. R. Clark. 2,589,602, Mar. 18.
Ski attachment for wheeled vehicles. C. E. Giovannoni. 2,598,682, June 3.
Ski binding. F. H. Campbell. 2,610,861, Sept. 16.
Ski binding. D. A. Goodman. 2,590,097, Mar. 25.
Ski binding. J. M. Harby, Jr. 2,610,067, Sept. 9.
Ski binding. H. Hvam. 2,586,339, Feb. 19.
Ski binding. J. Lehmkuhl. 2,590,424, Mar. 25.
Ski binding. L. A. Majneri. 2,610,068, Sept. 9.
Ski binding. W. Pepin and J. A. Rodrigue. 2,592,458, Apr. 8.
Ski binding. W. M. Pierce, Jr. 2,614,858, Oct. 21.
Ski binding. G. Renge. 2,600,688, June 17.
Ski binding. B. With. 2,622,888, Dec. 23.
Ski binding, Safety. M. H. Cubberley. 2,616,714, Nov. 4.
Ski device, Snow or water. R. V. Jennings. 2,609,210, Sept. 2.
Ski lift. S. S. Huntington. 2,582,201, Jan. 8.
Ski pole handle. M. N. Harocopo. 2,614,859, Oct. 21.
Ski rope-tow gripping device. J. E. Anketell. 2,617,363, Nov. 11.
Ski-sled. W. C. Billings. 2,616,715, Nov. 4.
Ski-tow apparatus. W. L. Moore and G. P. Carver. 2,608,935, Sept. 2.
Ski tow-rope clamp. R. P. Woodruff. 2,608,162, Aug. 26.
Ski tow rope grip. R. F. Hoffman. 2,582,630, Jan. 15.
Skiing pole. M. Silbner. 2,596,733, May 13.
Skid chain. G. E. W. Drechsel. 2,591,241, Apr. 1.
Skid-resistant tread for pneumatic tires, Producing a. P. E. Hawkinson. 2,591,934, Apr. 8.
Skid-resistant treads for pneumatic tires, Producing. P. E. Hawkinson. 2,605,199, July 29.
Skid supported tank. J. R. Barrow. 2,596,005, May 6.
Skillet cover. L. S. Irwin. 2,609,960, Sept. 9.
Skimmer mechanism for clarifiers. C. H. Scott. 2,611,489, Sept. 23.
Skimming apparatus. R. W. Tryon. 2,585,878, Feb. 12.
Skin cleaning composition. L. L. McKinney and J. C. Cowan. 2,610,153, Sept. 9.
Skin graft receiving member. J. D. Reese. 2,583,341, Jan. 22.
Skinning machine. F. J. Coad. Re. 23,471, Mar. 18.
Skinning method. F. J. Coad. 2,587,967, Mar. 4.
Skip dumping attachment. R. J. Herman. 2,606,680, Aug. 12.
Skip hoist motor control. G. Fox. 2,597,859, May 27.
Skip stitch machine. B. L. Chambers. 2,589,340, Mar. 18.
Skirt. M. L. Myers. 2,602,931, July 15.
Skirt and blouse connector. E. G. Borowick. 2,615,171, Oct. 28.
Skirt hanger. W. A. Burnell. 2,609,130, Sept. 2.
Skirt hanger. H. Grossman. 2,584,199, Feb. 5.
Skirt hanger. S. L. Rubin. 2,612,301, Sept. 30.
Skirt marker. H. A. Reich. 2,602,999, July 15.
Skirt, Maternity. N. M. Root. 2,618,784, Nov. 25.
Skylight construction. M. Wasserman. 2,610,593, Sept. 16.
Skyline carriage. E. O. Naud. 2,622,744, Dec. 23.
Sky line logging carriage. J. L. Yelton. 2,589,315, Mar. 18.
Slab handling device. J. D. Mollendorf. 2,609,225, Sept. 2.
Slack adjuster for brakes. H. A. Moeller and C. L. Orr. 2,612,240, Sept. 30.
Slack adjuster for railway cars, Automatic. A. W. Donop. 2,606,633, Aug. 12.
Slack puller for bale tiers. G. B. Hill. 2,589,083, Mar. 11.
Slag-forming agent, Making. F. E. Kern. 2,620,267, Dec. 2.
Slag scraper, Roofer's. M. Conforto. 2,586,917, Feb. 26.
Slat feed for automatic boxmaking machines. Side and bottom. G. E. Stillwell. 2,614,252, Oct. 21.
Slave cylinder assembly. H. L. Frick. 2,587,832, Mar. 4.
Slave cylinder lift for trail-behind plows. F. L. Dewey. 2,621,576, Dec. 16.
Sled. M. C. Caughrean. 2,592,116, Apr. 8.
Sled, Collapsible. W. J. S. Lee. 2,615,724, Oct. 28.
Sled, Dirigible. J. Maly and F. Kodeš. 2,620,199, Dec. 2.
Sled, Fisherman's ice. W. E. Stoddard and G. W. Kelly. 2,593,809, Apr. 22.
Sled, Motor propelled snow. I. J. Capiak. 2,582,858, Jan. 15.
Sled of the hand propelled type, Child's. H. J. Sedlacek. 2,582,507, Jan. 15.
Sled or sleigh. F. A. Dubbs. 2,592,307, Apr. 8.
Sled, Rudder steering. L. O. Clerke. 2,605,112, July 29.
Sled, Ski. J. Basso. 2,589,764, Mar. 18.
Sled, Ski. R. P. Brown. 2,593,974, Apr. 22.
Sleeping bag. F. I. Burstein. 2,581,357, Jan. 8.
Sleeping bag. W. W. Howe. 2,594,438, Apr. 29.
Sleeping bag. J. Kaplan. 2,588,536, Mar. 11.
Sleeping car. W. E. Burnett. 2,609,760, Sept. 9.
Sleeping-doll eye mechanism. L. H. Strayer. 2,619,773, Dec. 2.
Sleeve compressing tool. W. A. Vinson. 2,612,932, Oct. 7.
Sleeve construction. A. O., and H. E. Gilpin. 2,606,323, Aug. 12.
Sleeve for bag valves. H. Peters and C. D. Pierson. 2,590,568, Mar. 25
Sleeve for hydraulic push rods. A. W. Anderson. 2,608,450, Aug. 26.
Sleeve for indirectly heated cathode having an integral tab. R. Friedli, Jr. 2,612,619, Sept. 30.
Sleeve member for knob assemblies. W. A. Bedford, Jr. 2,582,580, Jan. 15.
Sleeve pulling device. R. G. Knudsen. 2,613,983, Oct. 14.
Sleeve type fastening device for resilient plastic articles and the like. G. L. Meyers and J. C. Shutt. 2,590,264, Mar. 25.
Slice assembly for papermaking machines. B. A. Malkin. 2,615,374, Oct. 28.
Sliced bacon package. L. B. Uehlein. 2,596,514, May 13.
Sliced meat joint such as ham and slicing same. H. J. Hoenselaar. 2,599,328, June 3.
Slicer. H. F. Taylor. 2,617,190, Nov. 11.
Slicer, Cake. O. J. Haugland. 2,600,646, June 17.
Slicer, Food. S. J. Popell. 2,584,737, Feb. 5.
Slicer, Hydraulic. G. E. Zweifel and D. H. Bookhultz. 2,592,782, Apr. 15.
Slicer, Vegetable. J. J. Strand. 2,592,832, Apr. 15.
Slicing and storing device. C. W. Paul. 2,595,696, May 6.
Slicing device, Cheese. J. Chambers. 2,611,952, Sept. 30.
Slicing device for culinary purposes. P. H. Miller. 2,613,714, Oct. 14.
Slicing device, Hand. E. Schreier. 2,603,263, July 15.
Slicing machine. H. E. Farmer. 2,611,408, Sept. 23.
Slicing machine. C. T. Zimmermann. 2,598,739–40, June 3.
Slicing machine and method. R. M. Magnuson. 2,590,987, Apr. 1.
Slicing machine, Candy. R. F. Morrison and E. C. Clement. 2,620,753, Dec. 9.
Slicing machine in combination with a cabinet therefor. H. Preble, Jr. 2,611,406, Sept. 23.
Slicing machine, Manually operated. A. Beattie. 2,618,061, Nov. 18.
Slicing machine with stationary knife and reciprocating carrier. W. F. Beavers. 2,604,915, July 29.
Slicing machine with knife-grinding means. A. van Duyn and J. van Hoorn. 2,614,373, Oct. 21.
Slidable bar ratchet wrench. A. E. Meyers. 2,594,964, Apr. 29.
Slidable outer jaw, plier-type wrench. E. H. Shaff. 2,610,534, Sept. 16.
Slidable side jaw wrench. W. J. McEnroe, Jr. 2,596,266, May 13.
Slidable side jaw wrench. C. R. Reneer. 2,590,792, Mar. 25.
Slidable side jaw wrench. H. T. Rutherford. 2,600,693, June 17.
Slide away table and holding frame therefor. J. G. Prince. 2,616,774, Nov. 4.
Slide bearing weight compensator. M. De Haas. 2,608,449, Aug. 26.
Slide cap. G. Crescenzi. 2,600,853, June 17.
Slide changing device. F. C. Beekley. 2,604,008, July 22.
Slide changing device for stereopticon projectors. F. P. Bennett and A. E. Webb. 2,590,492, Mar. 25.
Slide fastener. B. Madsen. 2,613,421, Oct. 14.
Slide fastener. W. Mikulas. 2,622,295, Dec. 23.
Slide fastener. N. J. Poux. 2,582,456, Jan. 15.
Slide fastener. B. C. Roehrl. 2,581,604, Jan. 8.
Slide fastener. L. Steiner. 2,620,535, Dec. 9.
Slide fastener. H. L. Williams. 2,621,387, Dec. 16.
Slide fastener element. R. C. Legat. 2,596,077, May 6.
Slide fastener operating mechanism. R. S. Vahan. 2,604,242, July 22.
Slide fastener slider having pressure extensions. H. Wende. 2,606,351, Aug. 12.
Slide fastener with releasing end stop. O. J. Moehler. 2,618,828, Nov. 25.
Slide fastener with releasing top stop. O. J. Moehler. 2,601,710, July 1.

Slide fasteners, Manufacture of. H. A. Simpson. 2,594,691, Apr. 29.
Slide feeding mechanism for still picture projection machines. C. J. Cadwell and F. M. Adamson. 2,593,007, Apr. 15.
Slide filing means. E. C. Weiskopf. 2,619,233, Nov. 25.
Slide for hookless fasteners. S. J. Lackritz. 2,590,106, Mar. 25.
Slide for hookless fasteners, Unlockable. A. Zahel. 2,607,976, Aug. 26.
Slide for use in binocular vision training, Transparent. H. S. Alexander. 2,618,259, Nov. 18.
Slide holder. E. W. Goldberg. 2,599,382, June 3.
Slide mount. A. B. Fox. 2,592,262, Apr. 8.
Slide projector-sound synchronization system. E. Moss. 2,613,574, Oct. 14.
Slide projector with rotatable slide mount. J. D. Cassidy and J. D. Marks. 2,597,449, May 20.
Slide rule belt carrier. G. Mangold and F. Zener. 2,602,574, July 8.
Slide seat. N. E. Hunter. 2,615,493, Oct. 28.
Slide valve. J. E. McGovney. 2,596,817, May 13.
Slide viewer and dispenser. J. R. Miles. 2,621,993, Dec. 16.
Slide viewer having two compartments, one for storing and the other for viewing slides. J. Antos. 2,617,218, Nov. 11.
Slider for separable fastener stringers. L. H. Morin. 2,605,528, Aug. 5.
Slider for slide fasteners. J. Backer. 2,599,536, June 10.
Slider for slide fasteners. J. Beckerman. 2,608,734, Sept. 2.
Slider for slide fasteners. P. F. Epple. 2,615,225, Oct. 28.
Slider for slide fasteners. H. Erdmann. 2,622,296–7, Dec. 23.
Slider for slide fasteners. R. E. Meech. 2,596,861, May 13.
Slider for slide fasteners. N. J. Poux. 2,618,829, Nov. 25.
Sliding abutment type rotary internal-combustion engine. J. Cronin. 2,583,633, Jan. 29.
Sliding abutment type rotary internal-combustion engine. F. Kunz. 2,608,960, Sept. 2.
Sliding back for press type cameras. W. M. Wells, II. 2,584,311, Feb. 5.
Sliding bolt rack mechanism. A. S. Caswell. 2,615,101, Oct. 21.
Sliding bracket lock. L. J. Du Mais and F. J. Prokop. 2,591,685, Apr. 8.
Sliding bulkhead door. F. M. Lambert. 2,587,863, Mar. 4.
Sliding clamp fastener. M. Winterhalter. 2,583,035, Jan. 22.
Sliding closure. R. J. Murphy. 2,602,693, July 8.
Sliding contact system for conducting welding currents. D. Sciaky. 2,600,582, June 17.
Sliding door. W. J. Henry, Jr. 2,589,493, Mar. 18.
Sliding door assembly. A. R. Mounce. 2,613,844, Oct. 14.
Sliding door hanger assembly. J. G. Sterling. 2,617,141, Nov. 11.
Sliding door lock. C. D. Lloyd. 2,615,742, Oct. 28.
Sliding door mounting. W. Haas. 2,584,874, Feb. 5.
Sliding door mounting device. A. Craigon. 2,599,747, June 10.
Sliding frame for shaker conveyers. R. Moulton and C. J. Stover. 2,610,728, Sept. 16.
Sliding panel. H. J. Klein. Re. 23,576, Nov 11.
Sliding post caliper. J. J. Seme. 2,596,731, May 13.
Sliding sash lock. D. E. Axe. 2,586,500, Feb. 19.
Sliding support mechanism. D. E. Hartman. 2,591,066, Apr. 1.
Sliding window sash holder. H. Schwartzmann. 2,614,875, Oct. 21.
Sliding window structure. G. R. Smart. 2,597,539, May 20.
Sling for guns, Retractable. A. P. Rogers and D. McLaughlin. 2,614,355, Oct. 21.
Slingshot. R. Laubly. 2,585,663, Feb. 12.
Slingshot and arrow catapult, Combined. D. Bean. 2,610,620, Sept. 16.
Slingshot, Repeating magazine. E. C. Sanderson. 2,596,870, May 13.
Slingshot with automatic sight. W. O. Fernsel. 2,600,524, June 17.
Slip. J. H. Wilson. 2,607,098, Aug. 19.
Slip and brassière, Combination. A. Y. Heinkel. 2,581,325, Jan. 1.
Slip, Child's. I. N. Tolkin. 2,598,622, May 27.
Slip clip and combination garment. L. Hart. 2,595,139, Apr. 29.
Slip expander assembly for well tools. C. C. Brown. 2,590,502, Mar. 25.
Slip, Half. I. L. Brown. 2,611,133, Sept. 23.
Slip, Lady's. G. C. Elder. 2,593,739, Apr. 22.
Slip lifter lock. B. F. Kelley. 2,594,446, Apr. 29.
Slip ring arrangement. R. G. Le Tourneau and C. C. Roe. 2,623,188, Dec. 23.
Slip rod gauge. M. A. Ryan. 2,598,835, June 3.
Slip, Strapless. S. Roodner. Re. 23,533, Aug. 5.
Slipper. G. Cohn. 2,603,891, July 22.
Slipper having wings integral with sole. M. Yamade. 2,611,977, Sept. 30.
Slipper pump. W. T. Livermore. 2,599,927, June 10.
Slipper sock, Retainer-welt. M. Spack. 2,581,728, Jan. 8.
Slit control for spectroscopic apparatus. C. L. Farrand. 2,587,451, Feb. 26.
Slit lamp apparatus with front lens attachment. H. Littmann. 2,622,473, Dec. 23.
Slit mechanism. A. M. Bergmann. 2,582,410, Jan. 15.
Slitter for cable coverings. E. W. Parker. 2,616,172, Nov. 4.
Slitting and scoring tool. P. Rintoul. 2,598,649, May 27.
Slitting and stretching insole material, Process of and apparatus for. H. G. Lumbard. 2,588,859, Mar. 11.
Slitting and winding apparatus. T. M. Scruggs and E. K. Hall. 2,621,736, Dec. 16.
Slitting articles, Method of and apparatus for. V. A. Rayburn. 2,609,049, Sept. 2.
Slitting machine. W. J. Fitzpatrick. 2,607,380, Aug. 19.
Sliver piecing device. K. G. Strew. 2,608,725, Sept. 2.
Slotted letter box plate and cover therefor. S. Nowakowski. 2,595,535, May 6.
Slotted oil control and like rings, Manufacture of. A. J. Woolcott. 2,589,590, Mar. 18.
Slotted turbine blade. E. A. Stalker. 2,613,910, Oct. 14.
Slotting the shanks of screw fasteners. F. K. Brown. 2,590,597, Mar. 25.
Slow-setting, oil-in-water bituminous emulsion. D. N. Manzer. 2,615,819, Oct. 28.
Slow speed glass feeder. R. H. Park. 2,596,042, May 6.
Slub catcher. E. J. Abbott. 2,623,265, Dec. 30.
Slub-catcher or yarn cleaner. E. R. Swanson. 2,622,305, Dec. 23.
Slub detector. P. A. de Mars. 2,585,541, Feb. 12.
Slug eliminator. C. C. Goodman. 2,616,544, Nov. 4.
Sluice gate. W. J. Bowtell. 2,593,969, Apr. 22.
Slur cam deflecting device for cotton knitting machines. A. Dyják. 2,623,370, Dec. 30.
Slurry adsorption separation and fractionation of sugars. E. M. Montgomery, H. F. Conway and F. B. Weakley. 2,610,931, Sept. 16.
Slurry polymerization process. J. H. Bannon. 2,596,975, May 20.
Slurry pump with screened discharge for preventing lump accumulation. L. A. Nichols, Jr., and L. Wescott. 2,619,292, Nov. 25.
Slush pump piston. B. H. Barnes and B. S. Minor. 2,615,769, Oct. 28.
Slush pump piston. A. R. Maier. 2,596,703, May 13.
Slush pump piston and piston rod. G. C. Wells. 2,599,082, June 3.
Slush pump piston and rod assembly. W. E. Pielop, Jr. 2,600,516, June 17.
Slushing compositions. E. R. Irwin. 2,593,676, Apr. 22.
Small electric motor. E. L. Schellens. 2,589,293, Mar. 18.
Small tree and plant extractor. W. G. Rothkamm. 2,593,924, Apr. 22.
Smelting of zinciferous ore. E. C. Handwerk and G. T. Mahler. 2,598,741–2, June 3.
Smelting of zinciferous ore. E. C. Handwerk and G. T. Mahler. 2,598,744, June 3.
Smelting of zinciferous ore. E. C. Handwerk and L. D. Fetterolf. 2,598,745, June 3.
Smoke absorbent smoker. H. G. Irwin. 2,611,311, Sept. 23.
Smokebox for heating apparatus. R. B. Dickson and R. H. Somers. 2,603,209, July 15.
Smoke detector. C. N. Cahusac and F. B. Allen. 2,604,597, July 22.
Smoke generating device. R. Stevenson. 2,603,607, July 15.
Smoke generator. C. S. McMullen. 2,606,546, Aug. 12.
Smoke pipe top. M. H. Wilder. 2,581,992, Jan. 8.
Smoke separator. M. Pantelejeff. 2,589,956, Mar. 18.
Smoke stack in particular for land vehicles and ships. J. Valensi. 2,610,570, Sept. 16.
Smoker's appliance. H. T. Kelly. 2,588,537, Mar. 11.
Smoker's pipe. B. Batty. 2,614,568, Oct. 21.
Smoker's pipe. J. W. Cryder. 2,593,731, Apr. 22.
Smoker's pipe and bowl cleaner therefor, Combination. A. Marshall. 2,585,812, Feb. 12.
Smoking accessory. W. McGuire. 2,582,598, Jan. 15.
Smoking device. G. W. Rehfeld. 2,594,680, Apr. 29.
Smoking device. G. W. Rehfeld. 2,617,427, Nov. 11.
Smoking pipe. O. Stein. 2,603,221, July 15.
Smoking pipe. I. Z. Davidoff and L. A. Petzel. 2,621,660, Dec. 16.
Smoking pipe. J. J. Doerr. 2,606,561, Aug. 12.
Smoking pipe. P. Gustafson. 2,612,172–3, Sept. 30.
Smoking pipe. E. P. Bade. 2,590,488, Mar. 25.
Smoking pipe. S. F. Bowles. 2,588,693, Mar. 11.
Smoking pipe. A. A. Fischbach. 2,588,713, Mar. 11.
Smoking pipe. C. F. Knight. 2,585,390, Feb. 12.
Smoking pipe. J. J. Kunda. 2,586,965, Feb. 26.
Smoking pipe. F. Myers. 2,601,446, June 24.
Smoking pipe. R. G. Sansom. 2,592,957, Apr. 15.
Smoking pipe. R. B. Sutter. 2,580,974, Jan. 1.
Smoking pipe. M. Ward. 2,593,819, Apr. 22.
Smoking pipe. A. R. Wood. 2,586,195, Feb. 19.
Smoking pipe bit construction. A. V. Abercombie. 2,605,771, Aug. 5.
Smoking pipe cleaner. A. Pascoe. 2,593,598, Apr. 22.
Smoking pipe cleaner. I. J. Spiewak. 2,586,877, Feb. 26.

Smoking pipe filling machine. A. L. Hand. 2,595,576, May 6.
Smoking pipe portmanteau and stand. S. Kay, Jr. 2,616,558, Nov. 4.
Smoking stand. O. Mankki. 2,615,578, Oct. 28.
Smoking stand. J. C. Williamson. 2,612,813, Sept. 30.
Smooth-textured lithium-base greases. P. R. McCarthy. 2,580,570, Jan. 1.
Snap-acting bimetal thermostat. P. R. Lee. 2,615,108, Oct. 21.
Snap acting pneumatic pressure pilot. G. F. Brockett. 2,596,366, May 13.
Snap action device. H. Millard. 2,600,564, June 17.
Snap action device. J. Schmidinger. 2,615,106, Oct. 21.
Snap action mechanism. L. W. Atchison. 2,618,160, Nov. 18.
Snap action mechanism. M. L. Jeffrey. 2,604,792, July 29.
Snap-action relief valve. T. R. Smith. 2,585,863, Feb. 12.
Snap action switch. W. F. Auer. 2,603,727, July 15.
Snap action switch. G. M. Hausler. 2,582,034, Jan. 8.
Snap action switch. P. C. Jacobs, Jr. 2,584,460, Feb. 5.
Snap action switch. H. C. Swan and W. W. Riedel. 2,598,856, June 3.
Snap-action valve. J. H. Brodhun. 2,610,649, Sept. 16.
Snap actuator for clutches. A. H. King. 2,603,327, July 15.
Snap disk spring. J. F. O'Brien and J. B. Cataldo. 2,604,316, July 22.
Snap fastener. F. E. Johnson. 2,585,897, Feb. 12.
Snap fastener assembly tool with penetrable sleeve. A. Dritz. 2,615,590, Oct. 28.
Snap fastener display card. R. C. Chapman and W. W. Borowy. 2,618,383, Nov. 18.
Snap fastener socket. J. E. F. Gobin dit Daudé. 2,620,536, Dec. 9.
Snap gauge. M. P. Haines. 2,622,331, Dec. 23.
Snap hook. E. T. Blazewicz. 2,608,736, Sept. 2
Snap hook. R. M. Martin. 2,586,679, Feb. 19.
Snap-in lens assembly and socket mount. R. W. Johnson. 2,621,283, Dec. 9.
Snap lock pickup finger for harvester reels. R. W. Keene. 2,603,936, July 22.
Snap-on line guide for fishing poles. C. R. Benge. 2,596,835, May 13.
Snap switch. L. Beeman. 2,616,996, Nov. 4.
Snap switch. J. B. Cataldo. 2,618,715, Nov. 18.
Snap switch. M. F. Kantz. 2,582,834, Jan. 15.
Snap switch. L. J. Kmiecik. 2,601,152, June 17.
Snap switch. D. Morrison. 2,602,127, July 1.
Snap switch. R. E. Prouty. 2,601,556, June 24.
Snap switch. O. B. Sutton and H. W. Wilson. 2,614,186, Oct. 14.
Snap switch. E. C. Wahlberg. 2,583,756, Jan. 29.
Snapping roll with mating spiral rubber ribs. J. L. Aasland. 2,584,180, Feb. 5.
Snare. R. E. Burt. 2,592,390, Apr. 8.
Snare adjusting mechanism for drums. G. H. Way. 2,621,554, Dec. 16.
Snare for drums. G. Lewan. 2,604,001, July 22.
Snatch block. O. M. Berg. 2,584,783, Feb. 5.
Snatch carrier tackle. D. H. Henderson. 2,593,881, Apr. 22.
Snow and ice disposing apparatus. A. J. Cayas. 2,605,760, Aug. 5.
Snow and ice melting device. R. Bonilla. 2,617,597, Nov. 11.
Snowball gun. J. W. O'Dell. 2,607,333, Aug. 19.
Snow dissolver. E. J. Leary. 2,602,443, July 8.
Snow melter and vaporizer. L. J. Flynn. 2,599,098, June 3.
Snow melting and removal apparatus. F. Viviano. 2,619,745, Dec. 2.
Snow melting apparatus. M. Hoffman. 2,590,701, Mar. 25
Snow melting furnace. S. J. Gornick. 2,601,116, June 17.
Snow melting machine. C. and R. Gangemi. 2,592,267, Apr. 8.
Snowplow. J. S. Koblas. 2,582,136, Jan. 8.
Snowplow. P. A. Maynard, E. M. O'Reilly and F. G. Gnauck. 2,605,561, Aug. 5.
Snowplow. I. Vanvick. 2,587,415, Feb. 26.
Snowplow construction. W. J. Adams, Jr., and D. E. Fischer. 2,590,143, Mar. 25.
Snowplow, Rotary. W. G. Heaman. 2,619,746, Dec. 2.
Snowplow, Rotary. I. Vanvick. 2,610,414, Sept. 16.
Snowplow, Tractor mounted. C. L. Cook and A. E. Young. 2,616,191, Nov. 4.
Snow projector. A. Lamy. 2,623,308, Dec. 30.
Snow removal apparatus. J. Pepi. 2,588,039, Mar. 4.
Snow removal device. E. G. Fischer. 2,603,892, July 22.
Snow-removal tractor attachment. L. J. Gillies. 2,618,872, Nov. 25.
Snow removing apparatus. H. Schmitz. 2,616,413, Nov. 4.
Snow removing machine. N. N. Fratini. 2,587,719, Mar. 4.
Snowshoe. F. T. Paden. 2,615,260, Oct. 28.
Snowshoe harness. J. D. Cumming. 2,619,742, Dec. 2.
Snowshoe tread. F. R. Wincentsen. 2,618,869, Nov. 25.
Snowsuit with boots. A. W. Steedman. 2,615,165, Oct. 28.
Snow vehicle. B. A. Kahle. 2,601,991, July 1.
Snubbed truck. C. E. Tack. 2,597,909, May 27.
Snubber. L. A. Lehrman. 2,601,981, July 1.
Snubber. W. L. Schlegel, Jr. 2,600,334, June 10.
Snubber for dipper door on power shovels. L. W. Edwards and G. Von Stroh. 2,604,221, July 22.
Soaking pit. J. F. Mowat. 2,611,600, Sept. 23.
Soap cake cover. R. L. Huber. 2,603,032, July 15.
Soap cake holder. G. J. Sickelka. 2,594,082, Apr. 22.
Soap, Complex aluminum. B. W. Hotten. 2,590,553, June 10.
Soap compositions and soap flakes. L. Safrin and F. W. Volz. 2,595,300, May 6.
Soap container. J. F. Murphy. 2,612,650, Oct. 7.
Soap dispenser. C. A. Risher. 2,611,648, Sept. 23.
Soap-dispensing bag. H. A. Miller. 2,607,940, Aug. 26.
Soap dispensing valve. W. J. Dobkin. 2,619,914, Dec. 2.
Soap greases, Alkaline earth metal. L. W. Sproule, L. F. King, and W. C. Pattenden. 2,607,735, Aug. 19.
Soap holder. H. H. Buck. 2,583,207, Jan. 22.
Soap holder. U. W. Edger. 2,597,925, May 27.
Soap holder cover. C. M. Cooper, Jr. 2,585,743, Feb. 12.
Soap paste dispensing apparatus. B. H. Gardner and F. W. Yardley. 2,610,767, Sept. 16.
Soap ring and holder therefor. E. R. Dunn. 2,586,626, Feb. 19.
Sock, Composite wool and leather. C. Bean. 2,617,992, Nov. 18.
Sock drier. T. M. Duff and P. E. Whittington. 2,620,100, Dec. 2.
Sock drying device. A. J. Leonard, Sr. 2,596,859, May 13.
Socket casing and switch structure. C. L. Dupuis and A. Hastie. 2,613,292, Oct. 7.
Socket contact of spring wire. R. H. Alexander. 2,584,528, Feb. 5.
Socket, Electric instrument. M. J. Lewis. 2,592,299, Apr. 8.
Socket, Electrical pull-cord. O. Holzapfel. 2,595,851, May 6.
Socket for an elongated tubular lamp having spaced contact pins at its ends. J. Semeyn. 2,588,887, Mar. 11.
Socket for electrical hardware and fittings, Making. C. S. Card. 2,590,229, Mar. 25.
Socket for electron tubes, Air-cooled. W. W. Eitel and J. A. McCullough. 2,583,417, Jan. 22.
Socket for elongated tubular lamps. H. E. Darney. 2,589,677, Mar. 18.
Socket for lighthouse tubes. W. H. Conron and F. H. Schneider. 2,621,226, Dec. 9.
Socket housing. R. Popp. 2,608,632, Aug. 26.
Socket, One-piece electric light. A. Tiscione. 2,605,317, July 29.
Socket plug for electrical appliances, Safety adapter. H. Shapiro. 2,597,600, May 20.
Socket receptacle for electric light bulbs. C. E. Gilbert, M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York. 2,615,072, Oct. 21.
Socket structure for double-ended fluorescent lamps. J. O. Howard. 2,618,676, Nov. 18.
Socket wrench. E. M. Curtis. 2,601,800, July 1.
Socket wrench. H. C. Spence. 2,601,798, July 1.
Socket wrench extension. E. T. Able and W. Krieger. 2,600,177, June 10.
Sod cutter. A. F. Habenicht. 2,614,477, Oct. 21.
Sod unit. A. E. E. Knestner. 2,605,589, Aug. 5.
Söderberg electrode suspension. G. Conti. 2,580,518, Jan. 1.
Sodium bifluoride, Production of. E. A. Winter. 2,602,726, July 8.
Sodium chlorophenate, Manufacture of. G. J. Henrich. 2,615,923, Oct. 28.
Sodium cyanide, Production of. G. A. Cain and J. B. Chatelain. 2,616,782, Nov. 4.
Sodium dimethyl dithiocarbamate and sodium salt of 2-mercaptobenzothiazole synergistic fungicidal composition. A. A. Somerville. 2,614,957, Oct. 21.
Sodium fluoride, Production of. E. A. Heisler. 2,585,387, Feb. 12.
Sodium gluconate, Manufacture of. C. K. Crocker, A. J. Moyer and V. F. Pfeifer. 2,602,768, July 8.
Sodium refining of petroleum oils. B. M. Vanderbilt. 2,614,966, Oct. 21.
Sodium silicate compositions, Making. G. R. McDaniel. 2,582,206, Jan. 8.
Sodium 2,4,5-trichlorophenoxyacetate, Manufacture of. G. J. Henrich. 2,598,692, June 3.
Sofa and bed, Combination. M. C. Jenkins. 2,597,995, May 27.
Sofa and bed, Combination. L. Robinson. 2,618,786, Nov. 25.
Sofa bed. E. E. Woller. 2,595,038, Apr. 29.
Sofa bed, Foldable. J. Martin. 2,584,145, Feb. 5.
Sofa chair and bed combination. E. E. Woller. 2,620,488, Dec. 9.
Sofa having shiftable back. J. S. Petersen. 2,623,219, Dec. 30.
Sofa seat and bed, Combined. A. Lorenz and H. Nock. 2,613,369, Oct. 14.
Sofa seat and bed, Convertible. A. Lorenz. 2,613,370, Oct. 14.
Soft flexible pad. W. A. and J. L. Hermanson. 2,622,051, Dec. 16.
Soft soap dispenser. N. F. Peebles. 2,613,713, Oct. 14.

Softening agent for rubber and resultant rubber composition. F. M. McMillan and D. B. Winkler. 2,582,264, Jan. 15.
Softening of rubber. A. R. Davis and B. W. Henderson. 2,618,620, Nov. 18.
Softening rubber. T. M. Patrick, Jr. 2,606,166, Aug. 5.
Soil block molding machine. R. G. S. Adam. 2,616,144, Nov. 4.
Soil conditioner. R. S. Tice. 2,582,364, Jan. 15.
Soil injection means. M. Abel and J. Lecoeq. 2,619,055, Nov. 25.
Soil injector. L. S. Hannibal. 2,598,121, May 27.
Soil mixing attachment for power tractors. P. R. Pretzer. 2,613,581, Oct. 14.
Soil penetrating roller. B. D. Colombo. 2,601,591, June 24.
Soil penetrating terminal. P. L. Morton. 2,595,598, May 6.
Soil-resistant pile fabric. E. J. Cogovan and E. D. Frideric. 2,622,307, Dec. 23.
Soil scarifier. C. C. Baldwin. 2,581,512, Jan. 8.
Soil tilling device with retractable teeth. J. E. Wallace. 2,616,347, Nov. 4.
Soil tilling implement. H. D. Simmons. 2,601,640, June 24.
Soil-working device, Rotary. C. W. Kelsey. 2,597,107, May 20.
Solar heater and heat exchanger. C. L. Stockstill. 2,594,232, Apr. 22.
Solder bar. D. J. Doan. 2,607,311, Aug. 19.
Soldered joint and making same. W. S. Murray and M. T. Ludwick. 2,623,273, Dec. 30.
Soldering. H. H. Willard and W. S. Gale. 2,612,460, Sept. 30.
Soldering apparatus. C. Habel. 2,591,065, Apr. 1.
Soldering apparatus for piezoelectric crystals. J. F. Barry. 2,608,745, Sept. 2.
Soldering cans. K. Seiler, 3d. 2,620,425, Dec. 2.
Soldering crucible. C. A. Cooley. 2,623,151, Dec. 23.
Soldering device. O. Wertheim and N. N. Moss. 2,615,415, Oct. 28.
Soldering flux. B. M. Stright. 2,581,820, Jan. 8.
Soldering flux. H. H. Willard and W. S. Gale. 2,612,459, Sept. 30.
Soldering gun. H. W. Naulty and M. N. Brown. 2,604,571, July 22.
Soldering iron. H. A. Bleam, F. Singleman and D. Miller. 2,609,778, Sept. 9.
Soldering iron. E. H. Greibach. 2,619,576, Nov. 25.
Soldering iron. M. L. Jeffrey. 2,592,426, Apr. 8.
Soldering iron. F. A. Petraglia. 2,589,509, Mar. 18.
Soldering unit. W. A. Vinson. 2,612,856, Oct. 7.
Solderless electrical conductor clamp. H. W. Batcheller. 2,600,189, June 10.
Sole flap splitting machine. R. F. Lane. 2,603,802, July 22.
Sole for footwear, Lightweight, flexible, resilient, and nonskid. R. Rogndal. 2,580,840, Jan. 1.
Sole for shoes, Laminated cushioning. A. Levin. 2,597,879, May 27.
Soleplate structure for electric steam irons. F. E. Finlayson. 2,582,773, Jan. 15.
Sole press of the turret type. H. E. Marasco. 2,608,703, Sept. 2.
Sole-shaping machine. L. D. Alderman. 2,607,057, Aug. 19.
Solenoid. J. E. Dube and E. Jones. 2,616,955, Nov. 4.
Solenoid actuated self-balancing measuring apparatus. R. F. Wild. 2,602,911, July 8.
Solenoid actuated valve. G. A. Goepfrich. 2,614,584, Oct. 21.
Solenoid actuating reversing valve. L. H. Gardner. 2,608,995, Sept. 2.
Solenoid coil support. A. H. Caldwell. 2,610,233, Sept. 9.
Solenoid gas valve. R. W. Johnson, C. E. Zarwell, and L. V. McCarty. 2,596,409, May 13.
Solenoid-operated latch. E. M. Soreng and J. Juergens. 2,606,052, Aug. 5.
Solenoid operated oscillating device. M. L. Jeffrey. 2,617,951, Nov. 11.
Solenoid operated rod shear. R. D. Price. 2,618,335, Nov. 18.
Solenoid operated valve. C. M. Mayer. 2,607,368, Aug. 19.
Solenoid operated valve. W. E. Renick. 2,619,121, Nov. 25.
Solenoid-operated gas valve. L. M. Persons. 2,612,188, Sept. 30.
Solenoid valve. H. Seaman. 2,587,538, Feb. 26.
Solenoid with plunger. E. M. Soreng, H. Y. Fisher, and G. D. Johnson. 2,594,089, Apr. 22.
Solid catalyst injection apparatus. B. J. Ferro, Jr. 2,622,935, Dec. 23.
Solid chlorite, Preparation of. E. Wagner. 2,616,783, Nov. 4.
Solid cross vane rotary pump. L. T. Reynolds. 2,585,406, Feb. 12.
Solid esters and making same. M. K. Smith. 2,585,053, Feb. 12.
Solid feeding means for fluid-type pulverizer. C. Trost and J. W. Holdcraft. 2,596,088, May 6.
Solid friction disks, Making. J. C. Danly and V. Georgeff. 2,585,539, Feb. 12.
Solid fuel stoking mechanism. C. H. Hall. 2,607,468, Aug. 19.
Solid-liquid reaction processes. R. Stanton. 2,615,906–7, Oct. 28.
Solid-liquid reaction processes. R. Stanton. 2,619,496, Nov. 25.
Solid material heating method and apparatus. P. R. Grossman. 2,595,574, May 6.
Solid phase production of a disilicide. R. M. Briney. 2,619,406, Nov. 25.
Solid stick corrosion inhibitors and a process for preventing corrosion of oil and gas well equipment. W. F. Gross and C. C. Rogers, Jr. 2,599,384–85, June 3.
Solidification of liquid fuel. K. A. Fischer and O. F. Hecht. 2,610,114, Sept. 9.
Solidified nonexplosive hydrocarbon and producing same. R. Raab. 2,581,441, Jan. 8.
Solids level control. J. D. Lankford, F. J. Trotter, and F. W. Taylor. 2,620,933, Dec. 9.
Solubilizing coal tar solution. A. Augenblick. 2,622,057, Dec. 16.
Soluble copolymers of diallylic phthalates and allylic alcohols. P. O. Tawney. 2,612,492, Sept. 30.
Soluble copolymers of tris-2-alkenyl aconitates and 2-alkenyl alcohols. P. O. Tawney. 2,599,027, June 3.
Soluble interpolymers of a poly-2-alkenyl ester, vinylidene chloride, and a monounsaturated 2-alkenyl compound. P. O. Tawney. 2,597,202, May 20.
Soluble interpolymers of diallylic maleates and allylic chlorides. P. O. Tawney. 2,592,211, Apr. 8.
Soluble interpolymers of tris-2-alkenyl aconitates, 2-alkenyl alcohols, and olefinic-benzenes. P. O. Tawney. 2,599,028, June 3.
Soluble metal quinolinolate, Preparation of a. V. N. Kalberg. 2,608,556, Aug. 26.
Soluble onium salts of halogenmethylated dibenzanthronyls. D. I. Randall. 2,619,492, Nov. 25.
Soluble onium salts of halogenmethylated thioindigos. D. I. Randall and C. M. Smith. 2,585,497, Feb. 12.
Soluble solid silicates, Making. L. Blanchard. 2,593,652, Apr. 22.
Soluble yarns and threads of partially carboxymethylated cotton, Making. G. C. Daul and J. D. Reid. 2,617,707, Nov. 11.
Solution for reducing light reflection. H. R. Moulton. 2,601,124, June 17.
Solution mixer and distributor. I. E. Aske. 2,584,104, Feb. 5.
Solution mixing and distributing apparatus. F. L. Gatchet. 2,613,922, Oct. 14.
Solution of an acrylonitrile polymerization product, Preparing a. A. Cresswell and P. W. Cummings, Jr. 2,605,246, July 29.
Solution of nutritive salts and making the same. J. Valmari. 2,589,900, Mar. 18.
Solution polymerization of acrylonitrile polymers in aqueous alcohol mixtures. G. E. Ham and E. C. Chapin. 2,587,465, Feb. 26.
Solution preheater for absorption refrigeration systems. N. E. Berry. 2,584,250, Feb. 5.
Solutions of acrylonitrile copolymers and textiles made therefrom, Production of. A. T. Walter and G. H. Fremon. 2,603,620, July 15.
Solutions of acrylonitrile polymers. M. R. Dalton. 2,588,335, Mar. 11.
Solutions of acrylonitrile polymers in nitromethane and alpha-hydroxy-beta-trichloropropionitrile. M. R. Dalton. 2,588,334, Mar. 11.
Solutions of acrylonitrile polymers in tetrakis (N,N-dimethylamido) pyrophosphate. G. E. Ham. 2,606,168, Aug. 5.
Solutions of acrylonitrile polymers reacted with a trialkyl amine. G. E. Ham. 2,613,196, Oct. 7.
Solutions of barbituric compounds. M. D. Bray. 2,605,209, July 29.
Solutions of cellulose nitrate in N-dialkyl phosphoric acid amide. M. Levine. 2,619,427, Nov. 25.
Solutions of homopolymers of certain optically active alpha-amino acids in polychloro- and poly-fluoro-acetic acids. R. E. Miegel. 2,612,487, Sept. 30.
Solutions of polyamides. J. R. Caldwell. 2,614,999, Oct. 21.
Solutions of polyamides in solvent mixtures. J. B. Nichols. 2,590,642, Mar. 25.
Solutions of polymers of vinylidene cyanide. A. E. Ardis. 2,600,180, June 10.
Solutions of polymers of vinylidene cyanide in alkyl esters of phosphoric acid. R. F. Schmidt. 2,594,353, Apr. 29.
Solutions of vinyl chloride polymer in a mixture of tetrahydrofurane and a solvent from the group consisting of sulfone, sulfoxides, sulfonic acid esters, and sulfinic acid esters. E. Heisenberg and J. Kleine. 2,617,777, Nov. 11.
Solvent extraction combination. R. T. Anderson. 2,588,070, Mar. 4.
Solvent extraction of castor oil from castor seed. I. M. Colbeth. 2,616,907, Nov. 4.
Solvent extraction of hydrocarbons with fluorinated aliphatic carboxylic acids. F. N. Ruehlen. 2,614,965, Oct. 21.
Solvent extraction of naphthenic acids. E. M. Honeycutt. 2,610,209, Sept. 9.

Solvent extraction of oil. J. V. Hunn and M. W. Pascal. 2,605,271, July 29.
Solvent extraction of oils with dimethylammonium dimethylcarbamate. D. J. Loder. 2,594,044, Apr. 22.
Solvent extraction of oxygenated organic compounds. H. W. Fleming. 2,580,750, Jan. 1.
Solvent extraction of vegetable oils. C. C. Crawford. 2,596,010, May 6.
Solvent extraction of vegetable oils. W. H. Williamson. 2,595,825, May 6.
Solvent extraction process. C. J. Egan. 2,582,197, Jan. 8.
Solvent fractionation of wax-containing mixtures. E. W. Clarke. 2,604,431–5, July 22.
Solvent fractionation of wax-containing mixtures. E. W. Clarke. 2,610,943, Sept. 16.
Solvent recovery. N. L. Dickinson. 2,616,912, Nov. 4.
Solvent separation of wax from hydrocarbon mixtures. W. Kiersted, Jr., and H. H. Gross. 2,595,468, May 6.
Solvents containing nitriles. H. D. Hartough and H. W. Sheldon. 2,583,509, Jan. 22.
Solvents for gasoline inhibitors. B. R. Strickland. 2,589,979, Mar. 18.
Solvents, swelling agents and/or plasticizers for polymers and mixed polymers of acrylic nitril. K. Tessmar. 2,618,623, Nov. 18.
Sonic tube. G. H. Marmont. 2,582,141, Jan. 8.
Sonometer for testing musical ear. S. Billeci. 2,604,806, July 29.
Soot blower head and valve mechanism therefor. R. H. Wager. 2,595,377, May 6.
Soot blower with mechanism for converting rotary motion into straight line motion succeeded by rotary motion. C. F. Lumb. 2,592,923, Apr. 15.
Soot removal compositions. J. A. Chenicek. 2,610,112, Sept. 9.
Soot remover. C. E. Johnson. 2,622,671, Dec. 23.
Sorting apparatus. J. A. Campbell. 2,615,567, Oct. 28.
Sorting apparatus. E. J. Capstack and E. H. C. Brown. 2,584,327, Feb. 5.
Sorting apparatus. D. A. Freeman. 2,595,837, May 6.
Sorting apparatus. J. W. Whitson. 2,614,697, Oct. 21.
Sorting device. A. E. Joel, Jr. 2,590,625, Mar. 25.
Sorting fruits and vegetables. Method and apparatus for. R. M. Magnuson. 2,618,306, Nov. 18.
Sorting machine. J. J. Constance. 2,615,568, Oct. 28.
Sorting machine. H. P. Luhn. 2,616,561, Nov. 4.
Sorting machine. F. Netschert. 2,590,655, June 10.
Sorting machine for paper forms. N. L. Kusters. 2,620,924, Dec. 9.
Sorting machine, Portable. L. Kerian. 2,582,545, Jan. 15.
Sound absorbent sheathing for walls or ceilings. V. Kjaer. 2,619,685, Dec. 2.
Sound-absorbing board with holes containing debris material. E. Berner. 2,615,525, Oct. 28.
Sound control system. H. Schwartzberg. 2,593,204, Apr. 15.
Sound-deadening and balancing means for railway wheels. M. Watter. 2,605,132, July 29.
Sound film recording or reproducing device. J. S. Pestel. 2,580,952, Jan. 1.
Sound for figures or puppets. M. B. Gruber. 2,603,912, July 22.
Sound indicator and fluid level indicator for wells. H. A. Mathews, M. B. Riordan, Jr., and L. B. Scott. 2,615,080, Oct. 21.
Sound insulation board. P. A. Palmér. 2,587,884, Mar. 4.
Sound level and sound integrating device. C. A. Rackey and T. H. Phelan. 2,590,460, Mar. 25.
Sound maker for toys and other devices. G. Wintriss. 2,590,743, Mar. 25.
Sound making device. H. W. Wild. 2,616,217, Nov. 4.
Sound producing attachment for bicycles. J. H. Countryman and W. B. Strayer. 2,603,035, July 15.
Sound producing device, especially for dolls. J. H. Wilhelm. 2,583,402, Jan. 22.
Sound recording and reproducing apparatus. B. C. Booth. 2,583,462, Jan. 22.
Sound recording and reproducing machine. J. M. Kuhlik. 2,606,766, Aug. 12.
Sound recording and reproducing machine. F. L. Moore. 2,613,939, Oct. 14.
Sound recording system. L. B. Browder. 2,591,045, Apr. 1.
Sound reproducing apparatus. J. G. Kurzen, Jr. 2,622,883, Dec. 23.
Sound reproducing apparatus. P. P. Pattyn. 2,598,132, May 27.
Sound reproducing method and system. C. W. Hansell. 2,615,991, Oct. 28.
Sound-reproduction accompanied by pictures. F. Waller and W. R. Dresser. 2,606,476, Aug. 12.
Sound reproduction apparatus. A. J. Corke. 2,623,606, Dec. 30.
Sound reproduction apparatus. F. H. Fodor. 2,623,983, Dec. 30.
Sound silencing means for circular saws. D. E. Sutton. 2,583,238, Jan. 22.
Sound translating device arranged to eliminate extraneous sound. A. H. Kettler. 2,603,724, July 15.
Sound transmission. W. M. Ewing. 2,587,301, Feb. 26.
Sounding device, Portable. R. M. Albrecht. 2,589,319, Mar. 18.
Soybean glue. A. J. Golick. 2,612,455, Sept. 30.
Soybean powder bases and products. E. K. Pettibone. 2,590,647, Mar. 25.
Soybean treating process. N. F. Kruse. 2,585,793, Feb. 12.
Soya protein paper coating containing methylated melamine formaldehyde resin. D. D. Ritson. 2,620,316, Dec. 2.
Spaceband tool. G. L. Curle. 2,583,324, Jan. 22.
Space charge reaction device. H. M. Wagner. 2,607,861, Aug. 19.
Space heater. A. C. Baumann. 2,606,014, Aug. 5.
Space heater and air circulating accessory therefor. G. C. Mitacek and C. T. Hammons. 2,613,663, Oct. 14.
Space heater with means to preheat fuel therefor. W. E. McCrory. 2,608,967, Sept. 2.
Space heating and ventilating apparatus. G. B. Cunningham. 2,619,953, Dec. 2.
Space-heating means. M. Watter. 2,615,115, Oct. 21.
Space reservation system. E. M. S. McWhirter and F. W. Warden. 2,604,530, July 22.
Space vector analyzer. M. Stroukoff and J. E. Bartfield. 2,582,080, Jan. 8.
Spaced pulse impulse sender. C. A. Lovell. 2,594,325, Apr. 29.
Spaced-pulse impulse sender. C. A. Lovell and D. B. Parkinson. 2,587,635, Mar. 4.
Spaced-pulse impulse sender. C. A. Lovell and D. B. Parkinson. 2,588,397, Mar. 11.
Spaced-pulse impulse sender. D. B. Parkinson. 2,590,885, Apr. 1.
Spaced-pulse type impulse sender. K. S. Dunlap and C. A. Lovell. 2,594,300, Apr. 29.
Spacer for casting squirrel cage rotors. W. M. Evans and R. S. Thacker. 2,607,969, Aug. 26.
Spacing ferrule for bonding fins to tubes. W. H. Armacost. 2,618,234, Nov. 18.
Spacing gauge assembly for mill rollers. R. F. White. 2,616,185, Nov. 4.
Spacing mechanism. W. J. Schieser and J. F. Kelley. 2,610,725, Sept. 16.
Spacing mechanism for slide fastener machines. E. E. Teubner. 2,588,177, Mar. 4.
Spacing punch. N. Baldwin. 2,582,898, Jan. 15.
Spade connector. H. W. Batcheller. 2,600,188, June 10.
Spanner type flywheel rotating tool. F. J. Brugmann. 2,612,067, Sept. 30.
Spare connected polyphase transductor. H. M. Sörensen. 2,599,137, June 3.
Spare tire carrier for vehicles. O. O. Perkins. 2,603,527, July 15.
Spare wheel mounting bracket. R. J. Etbauer. 2,621,837, Dec. 16.
Spare wheel mounting for vehicles. P. N. Erickson. 2,620,105, Dec. 2.
Spark arrester and protector for exhaust pipes. C. H. Harmon. 2,582,905, Jan. 15.
Spark arrester for pressure gas switches. A. Latour. 2,599,848, June 10.
Spark arrester mechanism. W. H. Powers. 2,600,262, June 10.
Spark gap device. E. Hedinger. 2,617,063, Nov. 4.
Spark gap device. J. W. Kalb. 2,623,192, Dec. 23.
Spark gap device. J. W. Kalb. 2,623,197, Dec. 23.
Spark gap generator. P. M. G. Toulon. 2,622,201, Dec. 16.
Spark plug. A. Candelise. 2,589,338, Mar. 18.
Spark plug. R. F. Doran. 2,597,078, May 27.
Spark plug. R. J. L. Dutterer, S. I. Johnson, and A. J. Hein. 2,614,548, Oct. 21.
Spark plug. L. M. Field. 2,597,718, May 20.
Spark plug. D. W. Gregory and E. R. Baldassare. 2,604,087, July 22.
Spark plug. W. Hediger. 2,597,794, May 20.
Spark plug. J. E. Hudson. 2,608,186, Aug. 26.
Spark plug. E. R. Paul. 2,591,718, Apr. 8.
Spark plug. H. W. Secrist. 2,605,755, Aug. 5.
Spark plug. R. M. Simon. 2,591,019, Apr. 1.
Spark plug. V. R. Thomas. 2,616,406–7, Nov. 4.
Spark plug. R. Twells. 2,616,408, Nov. 4.
Spark plug. H. H. Vogel and R. W. Paton. 2,622,578, Dec. 23.
Spark plug and making the same. H. A. Brinson and E. D. Faats. 2,612,151, Sept. 30.
Spark plug assembly, Sealed. W. A. Bychinsky. 2,606,951, Aug. 12.
Spark plug cleaner. T. C. McDougal and E. W. Pierce. 2,603,045, July 15.
Spark plug cleaning apparatus. R. K. Christie. 2,609,827, Sept. 9.
Spark plug connection and seal. K. A. Harden. 2,581,655, Jan. 8.
Spark plug construction. C. Cipriani. 2,620,784, Dec. 9.
Spark plug construction. H. R. Feichter. 2,603,200, July 15.
Spark plug electrode. W. A. Bychinsky. 2,615,441, Oct. 28.
Spark plug electrode. J. J. Rose. 2,586,864, Feb. 26.
Spark plug for condenser discharge, Low-tension ignition. W. B. Smits. 2,605,754, Aug. 5.
Spark plug for gas turbines, Automatically retractable. D. C. Berkey. 2,604,510, July 22.
Spark plug installing and removing tool. L. J. Guisti 2,589,935, Mar. 18.
Spark plug tester. W. A. Bychinsky. 2,603,685, July 15.

Spark screen and draught curtain for fireplaces, Combination. L. A. Streiz. 2,590,903, Apr. 1.
Sparkling barber pole. C. M. Wallin and T. W. Frazier. 2,615,266, Oct. 28.
Spatula, Automatic. R. S. Blackshear. 2,601,360, June 24.
Speaker and heater unit for drive-in theaters. M. S. Cole. 2,588,086, Mar. 4.
Speaker construction. J. A. Proctor. 2,623,254, Dec. 30.
Speaker system, Electric organ. D. J. Leslie. 2,596,258, May 13.
Speaker's folding stand. M. E. Liechty. 2,598,128, May 27.
Spear. R. J. Taylor. 2,607,150, Aug. 19.
Specimen receptacle. M. E. Terlizzi. 2,603,795, July 22.
Specimens for use in determining the brittleness of materials. H. Schnadt. 2,617,293, Nov. 11.
Spectacle bridge, Two-color. F. W. Lindblom. 2,596,572, May 13.
Spectacle case. B. Grosvenor. 2,617,462, Nov. 11.
Spectacle case. E. Nathan. 2,616,555, Nov. 4.
Spectacle frame. R. F. E. Stegeman. 2,593,932, Apr. 22.
Spectacle frames or blanks, Manufacture of. J. R. K. Russell and A. Prasser. 2,582,798, Jan. 15.
Spectacle lens layout device. J. H. Line. 2,582,048, Jan. 8.
Spectacle shield. H. G. Edsall. 2,580,744, Jan. 1.
Spectacles. P. Gardissard and M. Delorme. 2,597,312, May 20.
Spectrometer. R. W. Thompson and W. T. Leland. 2,585,702, Feb. 12.
Spectrometer, Mass. O. G. Koppius. 2,582,216, Jan. 15.
Spectrometer, Wernicke prism. R. F. Stamm. 2,605,672, Aug. 5.
Spectrometric apparatus for determining hemoglobin concentrations and the like. F. W. Kavanagh. 2,621,557, Dec. 16.
Spectrophotometer. A. H. Canada. 2,605,671, Aug. 5.
Speech wave analysis. M. Kalfaian. 2,618,273, Oct. 7.
Speed and acceleration actuated power plant control means. L. Breguet and R. Devillers. 2,613,750, Oct. 14.
Speed and anerold controlled pilot operated valve. R. H. Davies and E. C. Hartley. 2,619,103, Nov. 25.
Speed and torque sensitive governor. W. A. Duffield. 2,587,981, Mar. 4.
Speed change gearing for grain drills. H. N. James. 2,595,461, May 6.
Speed changing device for spinning frames. T. G. Rayfield. 2,587,897, Mar. 4.
Speed control apparatus. M. Lindell. 2,594,663, Apr. 29.
Speed control for motors. A. W. Holstein. 2,623,961–2, Dec. 30.
Speed control for pressure fluid operable rotator. R. Reger. 2,598,439, May 27.
Speed control governing apparatus. H. Carson and C. L. Mussey. 2,613,072, Oct. 7.
Speed control means for gas turbines used as starting turbines. E. S. Cleave and D. R. Trowbridge. 2,584,555, Feb. 5.
Speed control mechanism. W. W. Cushman. 2,582,236, Jan. 15.
Speed control system. J. M. Pestarini. 2,590,120, Mar. 25.
Speed control system for alternating current motors. W. N. Tuttle. 2,586,397, Feb. 19.
Speed controlled fuel system. E. O. Wirth and F. Barfod. 2,598,202, May 27.
Speed controlled governor. M. Hurst. 2,588,119, Mar. 4.
Speed controller for spinning machines. G. F. Norcross. 2,585,823, Feb. 12.
Speed correction gear for gyro compasses. L. F. Carter. 2,615,258, Oct. 28.
Speed-density type of fuel-metering control. H. Gold, N. Mats, and D. M. Straight. 2,623,509, Dec. 30.
Speed drive for sound transcription mechanism, Selectable. S. Simonson. 2,583,972, Jan. 29.
Speed governing mechanism. H. Steen-Johnsen 2,622,866, Dec. 23.
Speed governor. R. J. Hartz. 2,600,763, June 17.
Speed governor. W. E. Leibing. 2,620,821, Dec. 9.
Speed governor for motors. J. P. Mayer. 2,586,841, Feb. 26.
Speed indicator for trolling boats. R. R. Moore. 2,617,297, Nov. 11.
Speed limiting device. M. L. Mennesson. 2,582,052, Jan. 8.
Speed reducer. W. P. Schmitter. 2,596,794, May 13.
Speed reducer casing. D. Hansen. 2,623,406, Dec. 30.
Speed reducing mechanism. G. L. Olson. 2,600,912, June 17.
Speed reduction unit. D. F. Przybylski. 2,580,955, Jan. 1.
Speed-regulating control system. A. O. Lund and W. H. Esselman. 2,600,308, June 10
Speed regulation for integrators for logs. E. M. Österman, 2,618,769, Nov. 18.
Speed responsive apparatus for detecting overspeed. H. L. Bone, K. J. J. McGowan, and A. E. Dodd. 2,623,163, Dec. 23.
Speed responsive device for planters. W. P. Oehler. 2,581,286, Jan. 1.
Speed responsive device with fluid pressure modifier. D. L. Mordell and J. B. Holliday. 2,590,340, Mar. 25.
Speed responsive device with modifier. H. G. Adler. 2,598,960, June 3.
Speed responsive generator. W. H. Gille. 2,581,093, Jan. 1.
Speed responsive generator. O. J. Underwood. 2,597,207, May 20.
Speed responsive plugging for electric motors. S. Noodleman. 2,589,279, Mar. 18.
Speed responsive signaling mechanism. F. N. Bailey and R. P. Humpal. 2,614,161, Oct. 14.
Speed variator. E. Deletaille. 2,585,634, Feb. 12.
Speed-varying power transmission. P. B. Reeves. 2,613,545, Oct. 14.
Speed-varying power transmission assembly. P. B. Reeves. 2,582,067, Jan. 8.
Speed wrench. F. L. Fulke. 2,609,718, Sept. 9.
Speedometer cable connecting and locking device. L. S. Guetti. 2,595,940, May 6.
Speedometer testing machine. C. B. Rose. 2,607,212, Aug. 19.
Spent pickle liquor treatment. H. L. Peterson. 2,623,849, Dec. 30.
Spermicidal compositions. A. Taub. 2,623,839–41, Dec. 30.
Spherical plug with renewable ring seat. L. M. Glen. 2,606,738, Aug. 12.
Spherical rotary compressor. P. Pisa. 2,621,852, Dec. 16.
Spherical shell fluid separator. H. McCurdy. 2,588,863, Mar. 11.
Spherically curved plotting body and compass for use therewith. D. A. McMillen and A. Stuxberg. 2,619,726, Dec. 2.
Spheroidal alumina. J. Hoekstra. 2,620,314, Dec. 2.
Sphygmomanometer. C. C. Curtis. 2,612,156, Sept. 30.
Sphygmomanometer cuff. W. A. Baum and B. M. Hanafin 2,618,269, Nov. 18.
Spice can holder. R. Burdett. 2,590,149, Mar. 25.
Spider and web simulation. J. H. Countryman. 2,603,485, July 15.
Spider mounted bracket for air brakes. L. R. Buckendale. 2,619,202, Nov. 25.
Spigot, Beverage. W. V. King. 2,580,553, Jan. 1.
Spigot for discharging liquid from containers. G. M. Vosburg. 2,593,634, Apr. 22.
Spike, Locking. A. I. Israelson. 2,608,123, Aug. 26.
Spike retaining device. L. Q. Moore. 2,582,757, Jan. 15.
Spike-tooth harrow. J. E. Shouler and J. M. Markel. 2,599,492, June 3.
Spike tooth harrow. C. G. Strandlund. 2,610,456, Sept. 16.
Spill guard and ice tray. L. G. Copeman. 2,593,106, Apr. 15.
Spillproof glass. E. F. Olsen. 2,623,368, Dec. 30.
Spillway gate. R. A. Hill. 2,617,263, Nov. 11.
Spin vane control for fans. O. D. H. Bentley. 2,621,848, Dec. 16.
Spinner construction with boundary layer control. J. G. Lee. 2,622,688, Dec. 23.
Spinner elevator for pipe. A. L. Stone. 2,595,902, May 6.
Spinner seal and fairing. M. A. Beaupre. 2,614,638, Oct. 21.
Spinning. F. T. Small, R. T. Armstrong, and J. R. Shoup. 2,588,583, Mar. 11.
Spinning and twisting ring. G. F. Albrecht. 2,588,193, Mar. 4.
Spinning and twisting ring. G. F. Albrecht. 2,618,116, Nov. 18.
Spinning apparatus. H. J. McDermott. 2,609,567, Sept. 9.
Spinning apparatus. H. J. McDermott. 2,617,147, Nov. 11.
Spinning apparatus. R. H. Roughsedge and H. G. Lustig. 2,587,768, Mar. 4.
Spinning apparatus and method. G. N. Flannagan. 2,615,198, Oct. 28.
Spinning artificial filamentary materials. F. T. Small. 2,588,584, Mar. 11.
Spinning box hub. H. J. McDermott. 2,585,148, Feb. 12.
Spinning bucket liner. P. E. Bolger. 2,598,752, June 3.
Spinning device. E. L. Griggs, Jr., and E. F. Taylor. 2,605,555, Aug. 5.
Spinning filaments and spinneret for use therewith. R. S. Bley. 2,588,200, Mar. 4.
Spinning frame. E. F. Saunders. 2,611,230, Sept. 23.
Spinning machine. D. W. Maxham. 2,598,185, May 27.
Spinning machine, Ring. N. Hooper. 2,590,621, Mar. 25.
Spinning mechanism. H. Reinicke. 2,608,817, Sept. 2.
Spinning method and apparatus. B. Liebowitz. 2,602,195, July 8.
Spinning of viscose. N. Drisch and P. Herrbach. 2,607,955, Aug. 26.
Spinning reel. C. O. Dean. 2,614,767, Oct. 21.
Spinning solutions of rubber. L. Maaskant. 2,605,507, Aug. 5.
Spinning solutions of vinyl chloride polymer dissolved in a solvent mixture containing tetrahydrofurane and an additional solvent selected from the group consisting of lactones and lactams. E. Heisenberg and J. Kleine. 2,616,868, Nov. 4.
Spinning solutions of vinyl chloride polymer in a solvent mixture of tetrahydrofurane and a nitrile. E. Heisenberg and J. Kleine. 2,616,869, Nov. 4.
Spinning spindle. A. Handschin. 2,601,755, July 1.

Spinning spindle mechanism, in particular of the worm and worm wheel drive type. L. Birkigt. 2,586,293, Feb. 19.
Spinning spindle mechanism, including a worm and worm wheel drive. L. Birkigt. 2,594,724, Apr. 29.
Spinning spindle mechanisms, in particular to those driven by means of a worm and worm wheel. L. Birkigt. 2,587,812, Mar 4.
Spinning top. W. F. Darden. 2,614,364, Oct. 21.
Spinning top. G. G. Kondrath. 2,616,213, Nov. 4.
Spinning top. J. J. Manske, L. J. Martin, and R. J. Bernake. 2,610,440, Sept. 16.
Spinning, twisting, and like apparatus. R. Ragan. 2,596,172, May 13.
Spinning, twisting, and like apparatus. R. Ragan. 2,610,461, Sept. 16.
Spinning, twisting, and like machine. J. C. Garnett. 2,581,012, Jan. 1.
Spinning-type reel. R. J. Blissit. 2,602,603, July 8.
Spinning viscose. N. L. Cox. 2,581,835, Jan. 8.
Spinning young viscose. G. A. Richter, Jr. 2,598,834, June 3
Spun yarns and fibers, Production of. W. A. Sisson. 2,602,964, July 15.
Spun yarns, Production of. W. Whitehead, J. B. Steilding, L. B. Brown, and W. L. Rooney. 2,581,566, Jan. 8.
Spinal adjusting device. E. W. Stevens. 2,593,624, Apr. 22.
Spinal massage and exercising device. C. W. Hague. 2,619,957, Dec. 2.
Spindle. J. W. May. 2,597,015, May 20.
Spindle. E. J. Wells. 2,621,452, Dec. 16.
Spindle adapter for supporting rayon cakes. E. A. Stienen. 2,594,366, Apr 29.
Spindle and handle connection. G. K. E. Kleeberg. 2,613,098, Oct. 7.
Spindle and variable-speed drive therefor, Machine tool. T. F. Eserkaln. 2,597,716, May 20.
Spindle bearing for surveying instruments. H. R. Larsen and D. Gurney. 2,606,084, Aug. 5.
Spindle bolster. R. C. and J. L. Currence. 2,620,240, Dec. 2.
Spindle bumper. D. A. Ahlstrand. 2,610,654, Sept. 16.
Spindle bumper and impact nose therefor. D. A. Ahlstrand. 2,616,454, Nov. 4.
Spindle construction. G. Erikson and E. C. Flistrup. 2,618,517, Nov. 18.
Spindle, Double-twist. P. de Halleux. 2,609,652, Sept. 9.
Spindle drive for machine tools. E. J. Hirvonen. 2,582,698, Jan. 15.
Spindle for phonograph record changers. W. A. Fordeck. 2,621,933, Dec. 16.
Spindle for rotary power tools, Flexible. G. B. Larson and J. A. Perham. 2,582,873, Jan. 15.
Spindle for spinning and twisting frames. T. Harris. 2,609,254, Sept. 2.
Spindle for spinning frames. J. L. E. Roeder. 2,622,388, Dec. 23.
Spindle head, Adjustable multiple. A. P. Speckin. 2,608,112, Aug. 26.
Spindle head, Wear-compensating. H. H. Ranney. 2,609,252, Sept. 2.
Spindle or anvil attachment for a micrometer. P. M. Zumstein. 2,609,608, Sept. 9.
Spindle spinning machine of the worm and worm wheel drive type, Multiple. L. Birkigt. 2,592,853, Apr. 15.
Spindle support for machine tools. O. von Zelewsky. 2,586,126, Feb. 19.
Spindle, Textile mill. H. Gleitz, C. E. Miller, and J. D. Gleitz. 2,582,325, Jan. 15.
Spindle transmission and positioning mechanism. E. G. Roehm and H. Fritschi. 2,622,486, Dec. 23.
Spindle, Twister. E. Koella. 2,605,602, Aug. 5.
Spinneret and its production. J. D. M. Mackay and A. W. S. Clark. 2,623,241, Dec. 30.
Spinneret and liquid supply assembly for wet spinning. H. J. McDermott. 2,607,076, Aug. 19.
Spinneret supporting bracket. H. J. McDermott. 2,586,971, Feb. 26.
Spinnerets coated by metal evaporation. A. Pace, Jr. 2,595,216, May 6.
Spinnerets, Production of. R. W. Martyn. 2,605,173, July 29.
Spiral actuated slidable jaw and wrench. G. F. Schlote and R. C. Winter. 2,603,116, July 15.
Spiral and eccentric groove cutter for phonograph records and the like. F. J. Kovach. 2,595,795, May 6.
Spiral projector and propeller. P. W. Russell. 2,585,848, Feb. 12.
Spiral separator. E. T. Hodge. 2,615,572, Oct. 28.
Spiraled paraffin remover for oil wells. J. C. Trippiehorn. 2,595,025, Apr. 29.
Spiraled seat releasing and circulating overshot. D. W. Osmun. 2,616,752, Nov. 4.
Spirobarbituric acids. E. M. Van Heyningen. 2,621,183, Dec. 9.
Spiro [cyclohexane-1,1'-indanone-3']. Preparation of. L. H. Schwartzman. 2,586,486, Feb. 19.
Spirocyclohexanes and preparation thereof. L. H. Schwartzman and G. F. Woods, Jr. 2,585,969, Feb. 19.
Spirocyclohexanes and preparation thereof. L. H. Swartzman and G. F. Woods, Jr. 2,586,487, Feb. 19.
Spit-handling device. T. Finizie. 2,587,133, Feb. 26.
Splash guard bracket for shower pipes. B. E. Prevost. 2,595,702, May 6.
Splash guard for vehicles. M. L. Earnest. 2,605,119, July 29.
Splicing block. J. Tall. 2,599,667, June 10.
Splicing device. W. M. Dice, Jr. 2,613,042, Oct. 7.
Splicing paper. L. M. Germain. 2,587,833, Mar. 4.
Splicing rubber, Method of and apparatus for. E. D. George. 2,611,722, Sept. 23.
Splicing tubular articles. E. G. Webber. 2,623,571, Dec. 30.
Spline adapter coupler. P. C. Green. 2,587,838, Mar. 4.
Spline joint. E. B. Anderson. 2,605,622, Aug. 5.
Splint, Interdental. P. S. Orth. 2,604,093, July 22.
Split accumulator mechanism. E. V. Heitlinger. 2,599,257, June 3.
Split engine cover. S. A. Dillon. 2,609,164, Sept. 2.
Split knocker-head jar and safety unit. K. E. Waggener. 2,610,027, Sept. 9.
Split mechanism. W. C. Brown. 2,613,872, Oct. 14.
Split-phase electric motor. E. C. Ballman. 2,624,031, Dec. 30.
Split retaining ring arrangement for piston packing. A. Brunner. 2,601,085, June 17.
Split rings, Making. M. Artoni. 2,623,550, Dec. 30.
Split-top cover shelf support mechanism. C. R. Graham, Jr. 2,602,442, July 8.
Splitter vane construction for gas valves. A. Kalitinsky. 2,590,976, Apr. 1.
Splitting machine for making shakes. J. G. Bailey. 2,612,916, Oct. 7.
Sponge cadmium electrode and making the same. A. Fischbach. 2,616,939, Nov. 4.
Sponge counter holder. T. W. Halliday. 2,588,110, Mar. 4.
Sponge element and backing therefor for removable attachment to a mophead. N. B. Greenleaf and L. C. Webster. 2,594,553, Apr. 29.
Sponge metal, Producing. G. Tanner. 2,596,877, May 13.
Sponge rubber. J. F. Taylor. 2,602,784, July 8.
Sponge rubber and making same. T. H. Rogers, Jr. 2,598,018, May 27.
Sponge rubber and products produced thereby, Preparing. N. F. Keckler. 2,598,127, May 27.
Sponge rubber containing wax. T. H. Rogers, Jr., and W. T. L. Ten Broeck. 2,594,217, Apr. 22.
Sponge rubber, Manufacture of. R. H. Ewart. 2,621,217, Dec. 9.
Sponge, Soap holding and lathering. A. G. Smith. 2,588,773, Mar. 11.
Spongious cleaning device. P. F. Webster. 2,591,481, Apr. 1.
Spool. R. Atwood and C. C. L'Allemand. 2,605,980, Aug. 5.
Spool and drive therefor. M. Camras. 2,614,761, Oct. 21.
Spool and fastening means therefor. R. W. Elder. 2,583,933, Jan. 29.
Spool construction. W. Z. Jarmicki. 2,601,660, June 24.
Spool construction. G. G. Tucker, Jr. 2,597,139, May 20.
Spool construction. G. G. Tucker, Jr., and F. A. Rappleyea. 2,587,011, Feb. 26.
Spool for photographic film processing machines. W. E. Miller. 2,608,876, Sept. 2.
Spool having thread fastening means. J. E. Johnson. 2,615,651, Oct. 28.
Spool holder. L. J. Lesenyie. 2,600,784, June 17.
Spool holder. J. L. Reynolds. 2,616,633, Nov. 4.
Spool mounting and operating means. P. J. Thomas. 2,595,906, May 6.
Spool rack. G. B. Hume. 2,588,529, Mar. 11.
Spool structure, Removable head. J. R. Moss. 2,610,811, Sept. 16.
Spool with removable head. J. B. Hawley. 2,613,049, Oct. 7.
Spoon bait. J. Swanberg. 2,586,186, Feb. 19.
Spoon cover. G. E. Franzen. 2,598,987, June 3.
Spoon, Feeding. M. L. Wendling. 2,610,400, Sept. 16.
Spoonholder. A. P. Ahlstrand. 2,597,275, May 20.
Spoon holder. C. A. and E. R. Wirtanen. 2,590,286, Mar. 25.
Spoon, Nonspillable measuring. J. Cordova. 2,603,093, July 15.
Spoon with a base. C. H. Sanford. 2,592,192, Apr. 8.
Sport cap. M. L. Tannenbaum, A. J. Springer, and W. H. Wechter. 2,615,168, Oct. 28.
Sportsman's nipper. C. A. Sundstrand. 2,618,058, Nov. 18.
Spotfastening thin sheets. S. P. Jenkins. 2,620,552, Dec. 9.
Spotlight attachment for mirrors. H. C. Mead. 2,594,784, Apr. 29.
Spotlight, Ball swivel base. A. G. Lampe. 2,588,252, Mar. 4.
Spot removing gun. R. R. Wilkey. 2,593,080, Apr. 15.
Spot welding. T. Nelson. 2,584,491, Feb. 5.
Spot welding machine. B. Gross. 2,623,972, Dec. 30.
Spotwelding, Method and machine for. J. C. Weidel. 2,596,453, May 13.
Spotting apparatus. J. F. Fink. 2,619,821, Dec. 2.
Spotting apparatus. J. E. Miller. 2,598,410, May 27.
Spotting board construction. G. C. Shoop and F. G. Hoover. 2,602,316, July 8
Spotting board for dry cleaners. F. M. Pilley. 2,609,678, Sept. 9.

Spotting gun. E. L. Hutchins and J. O. Butler. 2,606,069, Aug. 5.
Spout, Detachable pouring. A. R. Bowman. 2,594,858, Apr. 29.
Spout for container, with protective cover for said spout in its retracted position, Retractable. R. W. Shore. 2,581,150, Jan. 1.
Spout for containers, Detachable. N. Martinsen. 2,580,811, Jan. 1.
Spout, Liquid level controlled filling. O. F. Rhodes. 2,595,166, Apr. 29.
Spout, Pouring. O. G. Nilson. 2,583,007, Jan. 22.
Sprag for one-way clutches. I. J. Gruenberg and L. T. Szady. 2,597,241, May 20.
Sprag type clutch. A. A. Warner. 2,599,793, June 10.
Sprag type one-way clutch. A. Y. Dodge. 2,614,669, Oct. 21.
Sprag type overrunning clutch. R. M. Heintz. 2,614,670, Oct. 21.
Spray and chemical dispenser, Combined water. E. H. Wenzel. 2,580,629, Jan. 1.
Spray arm for washing machines, Rotary. J. LaRaus. 2,588,856, Mar. 11.
Spray attachment for kettles and the like. H. E. and L. V. Kline. 2,605,136, July 29.
Spray attachment, Hygienic. C. Conterno. 2,600,619, June 17.
Spray boom hinge. A. H. Pinke. 2,602,684, July 8.
Spray booth. A. H. Meyer. 2,583,489, Jan. 22.
Spray booth wash and making it. G. A. Rives. 2,585,407, Feb. 12.
Spray cap. W. E. Vensel. 2,606,071, Aug. 5.
Spray cap and the like, Liquid. W. E. Vensel. 2,606,070, Aug. 5.
Spray coating apparatus, Centrifugal. E. O. Norris. 2,597,021, May 20.
Spray cooling device. R. H. Waddington and K. Geigel. 2,623,531, Dec. 30.
Spray deflector. W. H. Coles. 2,621,975, Dec. 16.
Spray device. H. Gold and D. M. Straight. 2,605,142, July 29.
Spray device, Door operated. P. J. Ash. 2,611,647, Sept. 23.
Spray device, Tractor mounted. R. F. Broyhill. 2,590,677, Mar. 25.
Spray dispenser. F. G. Lodes. 2,621,973, Dec. 16.
Spray drying soluble, fusible polymers of unsaturated esters. F. C. Hopper and Q. T. Wiles. 2,595,852, May 6.
Spray generator. F. W. Ofeldt. 2,605,137, July 29.
Spray guard for outboard motor boats. W. D. Colston. 2,592,011, Apr. 8.
Spray gun. Alfred and Abbott Abbott. 2,584,178, Feb. 5.
Spray gun. W. P. Dalrymple. 2,619,386, Nov. 25.
Spray gun. W. P. Dalrymple. 2,621,970, Dec. 16.
Spray gun. F. F. Fakior. 2,602,004, July 1.
Spray gun. B. W. Mantle. 2,606,072, Aug. 5.
Spray gun. G. H. Palm. 2,611,650, Sept. 23.
Spray gun. D. J. Peeps. 2,598,294, May 27.
Spray gun. N. Smith. 2,623,787, Dec. 30.
Spray gun. N. Smith. 2,623,790, Dec. 30.
Spray gun. R. B. White, Jr. 2,595,317, May 6.
Spray gun air cap. W. Gray. 2,587,993, Mar. 4.
Spray gun, Air-pressure operated paint. M. B. Deutsch. 2,610,091, Sept. 9.
Spray gun for distributing powdered material. R. D. Graham. 2,606,302, Aug. 12.
Spray gun for fire apparatus and the like. B. D. Barton. 2,621,076, Dec. 9.
Spray gun for fire apparatus and the like. B. D. Barton. 2,609,239, Sept. 2.
Spray gun for paints and other liquids. C. Reinhold. 2,613,995, Oct. 14.
Spray gun nozzle assembly. I. S. Prescott. 2,583,706, Jan. 29.
Spray gun, Paint. A. Di Stefano. 2,590,848, Apr. 1.
Spray gun, Rotating nozzle. W. M. Windhorn, Jr. 2,596,191, May 13.
Spray gun, Spring-operated. G. B. Maehren. 2,597,650, May 20.
Spray head, Dishwashing. F. H. Ellinger. 2,596,387, May 13.
Spray nozzle. E. J. Marshall. 2,608,442, Aug. 26.
Spray nozzle tip. F. W. Wahlin. 2,621,078, Dec. 9.
Spray nozzle with pressure operated clean out. W. J. Roell and T. O. Berreau. 2,614,885, Oct. 21.
Spray, Portable livestock or cattle. L. D. Durham. 2,595,781, May 6.
Spray type oil burner. R. R. Witherell and B. Wright. 2,606,603, Aug. 12.
Sprayable polytetrafluoroethylene aqueous suspensoids containing an organic liquid. L. K. Osdal. 2,613,193, Oct. 7.
Sprayed metal coating. B. V. McBride. 2,607,983, Aug. 26.
Sprayer. L. E. Bartling. 2,608,327, Aug. 26.
Sprayer. G. E. Bullock. 2,609,973, Sept. 9.
Sprayer. R. T. Cornelius. 2,605,019, July 29.
Sprayer. A. R. Mahlig and R. B. Hinely. 2,582,445, Jan. 15.
Sprayer. H. J. McIntosh. 2,584,484, Feb. 5.
Sprayer. V. Santarelli. 2,586,266, Feb. 19.
Sprayer. V. Santarelli. 2,594,223, Apr. 22.
Sprayer and mounting therefor. H. H. Hurlbert. 2,621,074, Dec. 9.
Sprayer attachment, Garden hose. L. W. McConnell. 2,608,440, Aug. 26.
Sprayer, Farm and roadside. H. C. Hanson. 2,597,727, May 20.
Sprayer, Farm. C. Tavernon. 2,588,943, Mar. 11.
Sprayer, Garden and insecticide. H. J. Miller. 2,594,476, Apr. 29.
Sprayer, Insecticide. J. M. Campbell. 2,587,965, Mar. 4.
Sprayer, Livestock. W. H. Abildgaard. 2,600,602, June 17.
Sprayer, Orchard. W. M. Spreng and W. H. Zehner. 2,583,753, Jan. 29.
Sprayer stop valve. R. F. Darling. 2,609,237, Sept. 2.
Sprayer, Tractor. B. Essick. 2,596,473, May 13.
Sprayer, Tree. T. E. Golinick. 2,590,400, Mar. 25.
Sprayer, Water. M. Sigmund. 2,592,753, Apr. 15.
Sprayer, Water. M. Sigmund. 2,604,360, July 22.
Spraying and dusting machine. G. W. Daugherty. 2,593,275, Apr. 15.
Spraying and dusting machine. G. W. Daugherty. 2,609,635, Sept. 9.
Spraying apparatus. F. Freund and I. Kreismann. 2,613,111, Oct. 7.
Spraying apparatus. J. S. De Groff. 2,597,573, May 20.
Spraying apparatus. D. S. Henry. 2,602,695, July 8.
Spraying apparatus. G. E. Randell. 2,610,088, Sept. 9.
Spraying apparatus. E. Torgerson. 2,605,135, July 29.
Spraying apparatus. W. Walker. 2,599,678, June 10.
Spraying attachment for tractors. W. H. Hamilton and S. C. Hampton, Jr. 2,599,448, June 3.
Spraying device, Fluid. B. Forman. 2,611,645, Sept. 23.
Spraying device. W. B. Kochner. 2,596,415, May 13.
Spraying device. W. B. Kochner. 2,585,254, Feb. 12.
Spraying device. J. W. Moore. 2,591,585, Apr. 1.
Spraying device. H. D. North, Jr. 2,589,020, Mar. 11.
Spraying device. H. C. Schutt. 2,602,002, July 1.
Spraying device for heat fusible material. M. A. Sandora. 2,604,356, July 22.
Spraying device, Portable insulation. J. L. Kempthorne. 2,595,528, May 6.
Spraying device, Wheeled. R. D. Malin and A. C. Stockdale. 2,581,678, Jan. 8.
Spraying device with dilator. S. A. Moscarello. 2,586,553, Feb. 19.
Spraying equipment, Portable. B. Essick. 2,614,884, Oct. 21.
Spraying freely falling particles. J. J. Mahoney. 2,594,469, Apr. 29.
Spraying machine. G. W. Daugherty. 2,604,357, July 22.
Spraying machine. G. W. Daugherty. 2,608,441, Aug. 26.
Spraying machine. G. W. Daugherty. 2,618,508, Nov. 18.
Spraying machine. O. B. Skifte. 2,619,379, Nov. 25.
Spraying machine, Moistened dust. J. A. Chater. 2,608,792, Sept. 2.
Spraying process. N. B. Jones. 2,598,391, May 27.
Spraying rotating radial surfaces. W. MacWilliam. 2,620,284, Dec. 2.
Spraying system. C. C. Herbert. 2,608,952, Sept. 2.
Spraying system for sludge separators. R. V. Fipps. 2,604,443, July 22.
Spraying valve structure. W. B. Kochner. 2,600,661, June 17.
Spread sheet. H. C. Davis. 2,606,040, Aug. 5.
Spread sheet. H. E. Hooe. 2,598,379, May 27.
Spreader disk mounting for colter blades. G. W. Hollandsworth. 2,601,019, June 17.
Spreader for chemical fertilizer material having spiral elements for manipulating the material. T. T. Scott. 2,594,687, Apr. 29.
Spreading apparatus for flattening tubular fabric. C. Yost. 2,591,003, Apr. 8.
Spring: *See*—
Adjustable accordion air cushion spring.
Automobile seat spring.
Bed spring.
Contact spring.
Cord spring.
Leaf spring.
Pneumatic spring.
Pretensioned spring.
Rubber-metal spring.
Rubber spring.
Seat spring.
Self-lubricating vehicle spring.
Snap disk spring.
Switch contact spring.
Thread-cutting temple spring.
Vehicle spring.
Wedge adjustment torsion bar spring.
Spring. E. Eger. 2,612,370, Sept. 30.
Spring. A. S. Krotz. 2,609,194, Sept. 2.
Spring. E. A. Larsson. 2,583,487, Jan. 22.
Spring. W. F. Mitchell. 2,614,830, Oct. 21.
Spring. R. G. Piety. 2,584,612, Feb 5.
Spring actuated lock nut. R. Widmer. 2,587,560, Feb. 26.
Spring-actuated shaft seal. T. R. Smith. 2,614,869, Oct. 21.
Spring actuated slide snap-hook. B. A. Andrews. 2,592,843, Apr. 15.
Spring-actuated stud wrench. J. Keiser. 2,592,037, Apr. 8.
Spring and air cushion. J. M. Caughey. 2,622,662, Dec. 23.
Spring and mattress support for beds and the like. E. H. Anderson. 2,595,321, May 6.
Spring assembly. W. P. Mogridge. 2,621,340, Dec. 16.
Spring assembly. E. E. Woller. 2,615,180, Oct. 28.

Spring assembly for high-voltage bushings, Prechargeable. B. N. Bowers. 2,623,919, Dec. 30.
Spring assembly for upholstery. W. W. Gleason. 2,595,840, May 6.
Spring assembly, Variable rate. A. S. Krotz. 2,590,711, Mar. 25.
Spring attachment means. J. D. Haas. 2,581,761, Jan. 8.
Spring balancer. E. Peremi. 2,604,655, July 29.
Spring balancer. E. Peremi. 2,622,267, Dec. 23.
Spring band construction. A. W. Martin. 2,583,222, Jan. 22.
Spring-biased autogiro rotor blade. R. Dorand. 2,612,963, Oct. 7.
Spring biased relief valve. J. A. Dondero and F. Wisser. 2,619,115, Nov. 25.
Springboard, Gymnasium. B. C. Sidlinger. 2,590,049, Mar. 18.
Spring bumper and draft gear. R. C. Kepner. 2,588,848, Mar. 11.
Spring canopy for pipes. I. Barfus. 2,594,843, Apr. 29.
Spring casing with integral liner. C. S. Jacobs. 2,604,318, July 22
Spring check valve. R. S. Palermo. 2,623,540, Dec. 30.
Spring clamp wire extractor construction for firearms. C. L. Hussey. 2,603,020, July 15.
Spring clip. D. R. Rollings. 2,596,438, May 13.
Spring clip. R. F. Smith, Jr., and P. D. Dale. 2,592,351, Apr. 8.
Spring clip, C. F. Wagner and W. J. Farrell. 2,599,146, June 3.
Spring clip device. J. Villano. 2,589,001, Mar. 11.
Spring closure for collapsible tubes. F. A. Senger. 2,609,975, Sept. 9.
Spring coin holder. J. Loevenich. 2,593,580, Apr. 22.
Spring construction. L. T. Mayer. 2,617,123, Nov. 11.
Spring construction. E. L. McRoskey. 2,581,686, Jan. 8.
Spring construction. A. Mouw. 2,613,733, Oct. 14.
Spring construction for cradles. A. A. May. 2,589,562, Mar. 18.
Spring counterbalance. E. E. Foster. 2,609,191, Sept. 2.
Spring cushion assembly. V. Asaro. 2,614,615, Oct. 21.
Spring cutter. W. A. Pendleton. 2,614,322, Oct. 21.
Spring device. H. W. Patterson. 2,604,315, July 22.
Spring-driven motor. E. W. Hobbs. 2,591,260, Apr. 1.
Spring expander prop. E. D. Wilkerson. 2,617,180, Nov. 11.
Spring fired explosively actuated tool. R. and E. E. Temple, and J. L. Giebel. 2,622,243, Dec. 23.
Spring forming apparatus. K. F. Semisch and A. J. Bellsle. 2,603,247, July 15.
Spring grip pipe coupling. W. O. Beyer. 2,587,810, Mar. 4.
Spring group assembly. J. E. Flesch. 2,615,709, Oct. 28.
Spring hanger. H. A. Thomson. 2,593,502, Apr. 22.
Spring-held index card attachment for telephones. C. E. Nagy. 2,620,407, Dec. 2.
Spring hinge construction for bulkhead doors. B. P. Stearns and E. J. Carlson. 2,617,144, Nov. 11.
Spring holder. W. J. Masoner. 2,605,097, July 29.
Spring impactor bone plate. T. Nicola. 2,580,821, Jan. 1.
Spring jack. J. C. Holmes. 2,622,845, Dec. 23.
Spring jack. T. C. Johnston. 2,594,443, Apr. 29.
Spring jack for knitting machine needles. H. A. Blickle. 2,592,787, Apr. 15.
Spring latch. B. A. Quinn. 2,594,582, Apr. 29.
Spring link coupling for dog leads, baby harness or the like. H. Tomkins. 2,614,834, Oct. 21.
Spring loaded action contact. C. W. Klostermann. 2,615,951, Oct. 28.
Spring loaded roller assembly. G. B. Britton. 2,617,509, Nov. 11.
Spring loaded roller for guiding gasholders or other purposes. A. Gruénais. 2,620,239, Dec. 2.
Spring loaded variable diameter sheave and drive. E. J. Otto. 2,610,516, Sept. 16.
Spring lock for paper rolls, Double reverse. N. A. Hackney. 2,603,246, July 15.
Spring lock for steel tape ribbon. R. C. Nicholson. 2,614,769, Oct. 21
Spring lock hinge and latch for playpens. W. H. Hurlin. 2,621,360, Dec. 16.
Spring means for roller mills and the like. J. Crites. 2,601,954, July 1.
Spring motor. A. Geyer. 2,622,700, Dec. 23.
Spring motor actuated toy vehicle. A. W. Swenson. 2,604,727, July 29.
Spring mounted vehicle seat. J. F. McKinney. 2,597,252, May 20.
Spring mounting for dirigible road wheels. L. D. Watts. 2,608,419, Aug. 26.
Spring mounting means for saddle seats. C. A. and H. M. Persons and The Mechanics National Bank of Worcester. 2,600,915, June 17.
Spring operated projector catcher. A. Gerhold. 2,617,651, Nov. 11.
Spring pad and cover. N. Skillman, Jr., and J. E. Connolly. 2,593,208, Apr. 15.
Spring plate valve. J. Thorstenson. 2,599,499, June 3.
Spring retaining ring for machine parts. H. Heimann and L. Brozek. 2,615,735, Oct. 28.
Spring sash balance. P. A. Lustig. 2,581,423, Jan. 8.
Spring sash counterbalance. E. E. Foster. 2,609,193, Sept. 2.
Spring seal for tube and shell heat exchangers. W. Uggerby. 2,595,822, May 6.
Spring seat and back. H. C. Flint. 2,602,487, July 8.
Spring seat and back structure, Combined. J. M. Dorton. 2,586,013, Feb. 19.
Spring seat post for bicycles. S. J. Di Gaetano. 2,623,573, Dec. 30.
Spring set for electromagnetic relays and similar connecting apparatus. A. O. Jörgensen and R. W. Ingre. 2,582,131, Jan. 8.
Spring shock and vibration isolator. J. W. Irby and W. Johannesburg. 2,581,416, Jan. 8.
Spring structure. V. Asaro. 2,596,196, May 13.
Spring structure. A. Baptista. 2,610,335, Sept. 16.
Spring structure. N. A. Crites and N. C. Flck. 2,597,209, May 20.
Spring structure. A. J. Horton and W. D. Gaston. 2,609,865, Sept. 9.
Spring support. W. S. Rouverol. 2,615,708, Oct. 28.
Spring support for ignition circuit breakers. C. Colvin and E. C. Bettoni. 2,581,077, Jan. 1.
Spring supported chair. A. E. Johnson. 2,586,951, Feb. 26.
Spring supporting clip. H. Hopkes. 2,613,734, Oct. 14.
Spring suspension. J. R. Kirkpatrick. 2,588,012, Mar. 4.
Spring suspension. E. Koller. 2,604,317, July 22.
Spring suspension for motor vehicles. W. D. Allison. 2,607,609–10, Aug. 19.
Spring suspension for vehicles. A. G. Schramm. 2,614,863, Oct. 21.
Spring suspension means for vehicles. T. E. Rasmussen. 2,590,791, Mar. 25.
Spring suspension, Motor vehicle. W. D. Allison. 2,607,611, Aug. 19.
Spring suspension of perambulators and the like. J. G. Allen. 2,588,456, Mar. 11.
Spring tension varying means, Automatic. D. Martin. 2,599,403, June 3.
Spring tester, Multiple. R. E. Schafer and M. I. Kreider. 2,614,414, Oct. 21.
Spring testing machine. R. C. Pierce. 2,612,038, Sept. 30.
Spring thrust washer. W. H. Kitto and K. Burian. 2,606,083, Aug. 5.
Spring type clutch. M. Maeser. 2,615,543, Oct. 28.
Spring type clutch. W. F. Scott. 2,609,906, Sept. 9.
Spring type clutch. T. R. Smith. 2,582,077, Jan. 8.
Spring type clutch. Z. Takats. 2,601,911, July 1.
Spring type husking peg. D. J. Davis. 2,617,424, Nov. 11.
Spring unit for mattresses, cushions, and the like. G. P. Johnson. 2,617,124, Nov. 11.
Spring unit for sofa beds, Folding. M. H. Harman. 2,582,904, Jan. 15.
Spring wheel construction. H. Kirwin. 2,615,316, Oct. 28.
Spring winding apparatus. C. R. Oberg. 2,592,500, Apr. 15.
Spring wire seat filler. G. M. Markle. 2,622,661, Dec. 23.
Springing device for pressure rollers. A. J. Patch. 2,622,426, Dec. 23.
Springs for rail trucks. E. H. Piron. 2,590,033, Mar. 18.
Sprinkler. C. F. Hantau. 2,583,175–6, Jan. 22.
Sprinkler. J. R. Holden. 2,613,993, Oct. 14.
Sprinkler. I. Jepson. 2,591,073, Apr. 1.
Sprinkler. I. Jepson. 2,619,380–4, Nov. 25.
Sprinkler. A. J. Lyons. 2,600,554, June 17.
Sprinkler. A. C. Misch. 2,622,928, Dec. 23.
Sprinkler. J. A. Royer. 2,606,789, Aug. 12.
Sprinkler. A. Winkler. 2,594,243, Apr. 22.
Sprinkler and dispenser, Combined. C. P. Peters. 2,613,994, Oct. 14.
Sprinkler, Automatic. H. D. Mathis. 2,580,810, Jan. 1.
Sprinkler, Automatic. H. N. Rider. 2,591,872, Apr. 8.
Sprinkler, Hand-carried. A. Spingarn. 2,613,110, Oct. 7.
Sprinkler head. D. F. Dunham. 2,596,383, May 13.
Sprinkler head for use on underground water systems. L. R. Nelson. 2,591,282, Apr. 1.
Sprinkler head, Rotary. O. O. Brown. 2,620,233, Dec. 2.
Sprinkler hose holder. L. E. Brown. 2,584,543, Feb. 5.
Sprinkler, Illuminated. J. Angulo. 2,593,517, Apr. 22.
Sprinkler, Lawn. N. Nordenstam. 2,597,366, May 20.
Sprinkler, Lawn. A. W. Phillips. 2,599,280, June 3.
Sprinkler, Lawn. L. Salmonese. 2,607,625, Aug. 19.
Sprinkler, Lawn. E. O. Young. 2,601,655, June 24.
Sprinkler, Lawn and crop. Z. Wieseltier. 2,595,114, Apr. 29.
Sprinkler, Magnetically controlled rotary water. C. B. Shoemaker. 2,592,609, Apr. 15.
Sprinkler means, Compactly foldable. M. Turausky. 2,599,792, June 10.
Sprinkler, Orchard or lawn. M. B. Sawyer, Sr. 2,590,726, Mar. 25.
Sprinkler, Pattern. R. N. Riblet. 2,601,559, June 24.
Sprinkler, Rotary. C. W. McBride. 2,596,577, May 13.
Sprinkler rotating spinner drive. H. F. Unger. 2,610,089, Sept. 9.
Sprinkler tap. F. H. Bourner. 2,623,789, Dec. 30.
Sprinkler, Telescopic. S. E. Lippert. 2,607,623–4, Aug. 19.
Sprinkling device. J. T. Porter. 2,582,158, Jan. 8.
Sprinkling device, Automatic. R. V. Higgins. 2,611,643, Sept. 23.

Sprinkling device for agricultural and horticultural purposes. K. V. Sørensen. 2,621,967, Dec. 16.
Sprinkling system for lawns and the like. J. B. Templeton. 2,622,925, Dec. 23.
Sprocket chain transmission. F. Ciborowski. 2,620,677, Dec. 9.
Sprocket fastening means. H. F. Heidegger and W. Borberg. 2,614,872, Oct. 21.
Sprocket hub, Flexible. R. J. Howison. 2,622,418, Dec. 23.
Sprocket hub, Flexible. E. L. McIntyre. 2,622,419, Dec. 23.
Sprocket or the like. D. H. Montgomery. 2,596,501, May 13.
Sprocket shoe. G. A. del Valle. 2,608,406, Aug. 26.
Sprout destroyer. J. C. Bartch and G. W. Couch. 2,580,640, Jan. 1.
Sprout destroyer. J. C. Bartch and G. W. Couch. 2,597,053, May 20.
Sprouting apparatus device. D. E. Wilson. 2,600,718, June 17.
Spud method of installing oil well drilling bases. W. V. McMenimen. 2,592,448, Apr. 8.
Spud valve. J. D. Langdon. 2,589,265, Mar. 18.
Spudder attachment. H. W. Cardwell, G. G. Brown, and E. V. Hobbs. 2,584,328, Feb. 5.
Spudding beam. D. R. Moore. 2,596,709, May 13.
Squaring tool. J. F. Doud. 2,608,765, Sept. 2.
Squaroid. H. C. Boardman. 2,593,408, Apr. 22.
Squeegee nozzle attachment for vacuum cleaners. H. C. Lilly. 2,610,351, Sept. 16.
Stabilization of acrylonitrile-butadiene-1,3 copolymers. H. E. Albert and G. E. P. Smith, Jr. 2,581,909, Jan. 8.
Stabilization of adiponitrile. C. A. Bordner. 2,581,354, Jan. 8.
Stabilization of color in fruit. J. E. Hall and E. A. Heiss. 2,592,563, Apr. 15.
Stabilization of control amplifiers. W. F. Pray. 2,597,259, May 20.
Stabilization of crops. J. A. Chenicek and W. K. T. Gleim. 2,599,810, June 10.
Stabilization of dilute solutions of aliphatic acids. F. P. Greenspan and D. G. MacKellar. 2,590,856, Apr. 1.
Stabilization of fluidized iron synthesis catalyst. C. W. Watson. 2,616,915, Nov. 4.
Stabilization of frequency-modulated oscillators. W. D. Hershberger. 2,591,257, Apr. 1.
Stabilization of furfural with dimethylformamide. S. C. Samuels, Jr. 2,615,028, Oct. 21.
Stabilization of glyceride oils. C. D. Evans, A. W. Schwab and J. C. Cowan. 2,610,973, Sept. 16.
Stabilization of glyceride oils with acetone dicarboxylic acid. A. W. Schwab, H. A. Moser, and C. D. Evans. 2,605,186, July 29.
Stabilization of glyceride oils with iminodisuccinic acid. J. C. Cowan and C. D. Evans. 2,594,294, Apr. 29.
Stabilization of halogen-containing organic materials. E. C. Shokal, D. E. Winkler, and P. A. Devlin. 2,585,506, Feb. 12.
Stabilization of halogenated hydrocarbons. F. M. Clark. 2,594,872, Apr. 29.
Stabilization of latex and stabilized compositions. A. M. Hall. 2,610,158, Sept. 9.
Stabilization of microwave oscillators. L. E. Norton. 2,584,608, Feb. 5.
Stabilization of microwave oscillators. L. E. Norton. 2,602,897, July 8.
Stabilization of monomeric 1,1-dicyano ethylene. H. Gilbert and A. E. Ardis. 2,614,117, Oct. 14.
Stabilization of monomeric 1,1-dicyano ethylene. F. F. Miller. 2,614,118, Oct. 14.
Stabilization of organic materials with aryl polyphosphites. J. F. Nelson. 2,612,488, Sept. 30.
Stabilization of peracids with dipicolinic acid. F. P. Greenspan and D. G. MacKellar. 2,609,391, Sept. 2.
Stabilization of photographic emulsions sensitized with gold compounds. R. E. Damschroder. 2,597,856, May 27.
Stabilization of photographic emulsions sensitized with gold compounds. H. C. Yutzy and J. A. Leermakers. 2,597,915, May 27.
Stabilization of polymerizable unsaturated dicarboxylic acid polyesters and mixtures thereof with vinylic monomers. E. E. Parker. 2,593,787, Apr. 22.
Stabilization of resins. W. W. Crouch and J. F. Howe. 2,599,813, June 10.
Stabilization of rubber materials with cresylic acid derivatives. L. J. Kitchen. 2,605,252, July 29.
Stabilization of rubber with a mixture of a phenol sulfide and trivalent antimony oxide. H. E. Albert. 2,581,930, Jan. 8.
Stabilization of rubbers. G. E. P. Smith, Jr., and H. E. Albert. 2,581,924, Jan. 8.
Stabilization of rubbery materials by the use of tin or antimony salts of phenol reaction products. H. E. Albert. 2,581,931, Jan. 8.
Stabilization of soybean oils with P-toluene sulfonic acid. A. W. Schwab, C. D. Evans, and J. C. Cowan. 2,583,602, Jan. 29.
Stabilization of sulfone resins. C. Roney. 2,606,169, Aug. 5.
Stabilization of synthetic rubber. B. A. Hunter. 2,587,477, Feb. 26.
Stabilization of thixotropic compositions comprising polyesters with quinone. R. E. Burnett. 2,610,961, Sept. 16.
Stabilization of unsaturated organic material-sulfur dioxide resins with elemental sulfur or inorganic sulfides. W. W. Crouch and J. F. Howe. 2,599,544, June 10.
Stabilization of vinylidene chloride resins. C. A. Brighton and D. Faulkner. 2,595,636, May 6.
Stabilization of vinylidene chloride resins. J. D. Matlack and R. J. Reid. 2,605,244, July 29.
Stabilization of vinylidene cyanide polymer solutions. S. J. Averill. 2,614,090, Oct. 14.
Stabilization of vinyl halide polymers. T. C. Patton and L. J. Jubanowsky. 2,580,460, Jan. 1.
Stabilization of vinyl halide polymers with a composition containing an ester of an unsaturated alcohol. D. E. Winkler. 2,609,355, Sept. 2.
Stabilization of vinyl halide polymers with a salt of a hydrocarbon substituted benzoic acid. T. F. Bradley and D. E. Winkler. 2,598,496, May 27.
Stabilization system for gunfire control apparatus and the like. H. Harris, Jr. 2,586,817, Feb. 26.
Stabilization system in aircraft autopilot. C. M. Young. 2,615,658, Oct. 28.
Stabilized acrylonitrile polymers. R. J. Slocombe and G. L. Wesp. 2,617,783, Nov. 11.
Stabilized activators and their use in emulsion polymerization. C. A. Uraneck, C. M. Tucker, and W. M. St. John, Jr. 2,614,100, Oct. 14.
Stabilized aqueous solutions of surface-active sodium secondary alkyl sulfates. S. L. Langedijk and P. N. Degens. 2,603,600, July 15.
Stabilized barium and strontium lithol toners. V. Tullsen. 2,601,668–9, June 24.
Stabilized compositions containing high molecular weight halogenated materials. H. T. Voorthuis and P. van Dijk. 2,588,899, Mar. 11.
Stabilized control circuit. G. W. Nagel. 2,600,317, June 10.
Stabilized control system. H. Zieblolz and P. Glass. 2,594,604, Apr. 29.
Stabilized crystal oscillator circuits. H. N. Hansen and J. A. Greefkes. 2,624,005, Dec. 30.
Stabilized dehydrated montmorillonite catalyst. Preparation of a. E. W. M. Fawcett and J. N. Haresnape. 2,582,976, Jan. 22.
Stabilized diazonium salts and effecting same. W. H. von Glahn and H. A. Bergstrom. 2,612,494–5, Sept. 30.
Stabilized electrical synchronizing system. F. A. Lindley and F. M. Arbuckle. 2,591,660, Apr. 1.
Stabilized emulsions and producing the same. A. B. Storrs and J. R. Froedge. 2,609,300, Sept. 2.
Stabilized fatty acid nitriles, Preparing. J. Drew and J. C. Funderburk. 2,589,232, Mar. 18.
Stabilized forage crops, Production of. C. R. Thompson. 2,611,703, Sept. 23.
Stabilized frequency divider circuit. R. B. Woodbury. 2,599,964, June 10.
Stabilized greases. E. L. Armstrong and R. A. Butcosk. 2,605,225, July 29.
Stabilized hydrocarbon liquids. T. B. Tom. 2,597,205, May 20.
Stabilized hydrocarbon oils and waxes. C. S. Scanley. 2,619,465, Nov. 25.
Stabilized lower fatty acid ester of cellulose. G. D. Hiatt and R. F. Williams. 2,614,941, Oct. 21.
Stabilized nitromannite product and making the same. J. W. Lawrence. 2,619,919–20, Nov. 4.
Stabilized organic compositions containing bis(hydroxy alkoxy phenyl) alkanes. D. W. Young. 2,591,651, Apr. 1.
Stabilized paraffin wax compositions. D. W. Young. 2,593,381, Apr. 15.
Stabilized petroleum products and stabilizing compositions. C. B. Biswell. 2,580,881, Jan. 1.
Stabilized phosphorus and sulfur-containing hydrocarbon reaction products and compositions containing the same. E. N. Roberts and L. W. Mixon. 2,597,750, May 20.
Stabilized pipe repair clamp. P. N. Adams. 2,599,882, June 10.
Stabilized plastic type confection and making the same. J. J. Alikonis. 2,587,806, Mar. 4.
Stabilized redox compositions. C. F. Fryling. 2,581,402, Jan. 8.
Stabilized rosin nitriles, Preparing. J. Drew and J. C. Funderburk. 2,590,072, Mar. 18.
Stabilized rosin size. C. C. Price. 2,606,842, Aug. 12.
Stabilized rubber adhesive. C. W. Bemmels. 2,615,059, Oct. 21.
Stabilized tall oil amines, Preparation of. S. T. Putnam. 2,590,571, Mar. 25.
Stabilized tall oil nitriles, Preparation of. S. T. Putnam. 2,590,570, Mar. 25.
Stabilized tall oil nitriles, Preparing. J. Drew and J. C. Funderburk. 2,589,233, Mar. 18.
Stabilized tetraethylpyrophosphate insecticidal dust. C. C. Cassil and J. Yaffe. 2,592,540, Apr. 15.
Stabilized tetrathiodilactic and tetrathiodiglycollic acid pharmaceutical. L. Libenson. 2,598,004, May 27.
Stabilized transistor trigger circuit. R. L. Trent. 2,622,211, Dec. 16.
Stabilized trigger circuit. M. L. Wood. 2,598,631, May 27.

Stabilized vinyl chloride resin films. M. R. Radcliffe. 2,581,915, Jan. 8.
Stabilizer and compensator for vehicles on curved roads. M. de Montalvo y Garcia-Camba. 2,609,884, Sept. 9.
Stabilizer arrangement for cyclotrons and the like. R. R. Weeks. 2,616,042, Oct. 28.
Stabilizer device for automobiles, trucks, and the like. R. G. Cruz. 2,623,758, Dec. 30.
Stabilizer for bicycles. W. A. Richman. 2,601,994, July 1.
Stabilizer for four-wheeled vehicles. C. Lilly, Sr. 2,610,073, Sept. 9.
Stabilizer for lift trucks. G. F. Qnayle. 2,614,643, Oct. 21.
Stabilizer for rotary wing aircraft. F. A. Erickson. 2,581,396, Jan. 8.
Stabilizer for tractor power lifts. H. E. Hancock. 2,609,215, Sept. 2.
Stabilizer for vehicles. H. J. Troche and J. H. Holan. 2,620,181, Dec. 2.
Stabilizer for vehicle springs. M. H. Wolze. 2,603,481, July 15.
Stabilizers in photographic emulsions and developers. J. D. Kendall and H. G. Suggate. 2,588,538, Mar. 11.
Stabilizing agent for single powder photographic developers. W. J. Rogers. 2,606,118, Aug. 5.
Stabilizing ascorbic acid with thiosugars. J. Opplt. 2,585,580, Feb. 12.
Stabilizing calcium lithol toners. V. Tullsen and F. L. Pfeiffer. 2,601,468, June 24.
Stabilizing calcium lithol toners. V. Tullsen and F. L. Pfeiffer. 2,601,460, June 24.
Stabilizing cyanohydrins and resulting product. H. Beier. 2,623,866, Dec. 30.
Stabilizing diolefine polymer-sulfur dioxide reaction products. J. M. Goppel and G. E. Rumscheidt. 2,583,370, Jan 22.
Stabilizing foodstuff and stabilizing composition. N. Bilhovde. 2,604,406, July 22.
Stabilizing latex and stabilized latex compositions. A. M. Hall. 2,610,216, Sept. 9.
Stabilizing mechanism for vehicles. W. E. Gilmore. 2,584,122, Feb. 5.
Stabilizing method and system utilizing nuclear precession. W. D. Hershberger. 2,589,494, Mar. 18.
Stabilizing polydiolefin sulfones. J. M. Goppel and G. E. Rumscheidt. 2,583,527, Jan. 29.
Stabilizing polymers comprising vinyl or vinylidene chlorides. J. E. Costa and O. R. McIntire. 2,581,360, Jan. 8.
Stabilizing rice products. G. R. Van Atta, E. B. Kester, and H. S. Olcott. 2,585,978, Feb. 19.
Stabilizing system using an amplidyne. E. P. Noy, F. L. Hereford, Jr., W. D. Whitehead, Jr., and A. R. Kuhlthau. 2,605,452, July 29.
Stabilizing the molecular arrangement of glass thermometers. L. C. Liberatore. 2,610,145, Sept. 16.
Stabilizing vinyl or vinylidene chloride-containing polymers. E. M. Jankowiak. 2,604,459, July 22.
Stabilizing vinylidene chloride-vinyl chloride copolymers. C. B. Havens. 2,604,458, July 22.
Stabilizing wool against shrinkage. S. C. Peckham. 2,595,977, May 6.
Stable alkyl polysiloxane resins, Preparation of. A. F. Bidaud and L. Ceyzeriat. 2,584,835, Feb. 5.
Stable cellulose nitrate having good adhesive characteristics, Preparation of a. D. J. Kridel and W. J. Rogers. 2,604,471, July 22.
Stable combination of cation- and anion-exchange resins. A. V. Alm. 2,586,770, Feb. 26.
Stable combination of cation- and anion-exchange resins. G. R. Stroh. 2,586,883, Feb. 26.
Stable concentrated herbicidal compositions. J. Kamlet and W. T. McLaughlin. 2,606,830, Aug. 12.
Stable emulsions of lipoidic substances in water, Preparing. E. H. Reerink and J. Van Der Vliet. 2,588,290, Mar. 4.
Stable garlic preparations, Producing. J. Špinka, and J. Stampfer. 2,618,561, Nov. 18.
Stable lithium hypochlorite composition. H. L. Robson. 2,590,794, Mar. 25.
Stable plastic molding composition of low shrinkage and product obtained thereby, Making. A. B. Leerburger. 2,590,400, June 3.
Stable polyvinyl butyral dispersions, Preparation of. W. H. Bromley, Jr. 2,611,755, Sept. 23.
Stable reference apparatus. T. M. Ferrill, Jr. 2,603,767, July 15.
Stable reference apparatus. R. F. Hays, Jr. 2,591,697, Apr. 8.
Stable, solid, water-soluble, surface-active compositions containing urea and a quaternary ammonium compound, Preparation of. E. C. Soule and W. H. Sheltmire. 2,584,056–7, Jan. 29.
Stable suspensions of coal particles, Manufacture of. A. L. Stillman. 2,590,733, Mar. 25.
Stable thermosetting compositions, Production of. W. C. Dearing and A. M. Howald. 2,623,025, Dec. 23.
Stable thermosetting compositions, Production of. W. C. Dearing and A. M. Howald. 2,623,029, Dec. 23.
Stack design. W. B. Traver. 2,604,838, July 29.
Stack draft booster and control device for combustion apparatus. S. P. Campbell. 2,584,326, Feb. 5.
Stack recharged puffing unit for toys. W. R. Smith. 2,610,438, Sept. 16.
Stack-type oil bath filter. J. K. Brixius. 2,596,121, May 13.
Stackable receptacle. A. V. Rudd. 2,606,683, Aug. 12.
Stacked container device. M. Essman. 2,582,421, Jan. 15.
Stacking and nesting container. F. W. Schmidt. 2,599,727, June 10.
Stacking apparatus. C. M. Martin. 2,589,718, Mar. 18.
Stacking apparatus. J. J. Tallman. 2,613,824, Oct. 14.
Stacking, counting, and transferring apparatus, Automatic. G. B. Forbes, Jr. 2,606,483, Aug. 12.
Stacking device. G. A. Schwenzer. 2,599,290, June 3.
Stacking device for cards or the like. T. A. Federwitz. 2,595,346, May 6.
Stacking device for workpieces of rectangular block shape. D. R. P. Jackson. 2,585,554, Feb. 12.
Stacking machine. W. J. Horn. 2,595,661, May 6.
Stage device, Hand-operated. F. J. Stone. 2,621,440, Dec. 16.
Stage kneading, Method and apparatus for. R. H. Jebens. 2,611,590, Sept. 23.
Stain filler sealer. G. L. Deniston and O. W. Bergland. 2,623,027, Dec. 23.
Stain preventing shortstop bath for photographic azine dye images. R. C. Gunther and V. Tulagin. 2,618,559, Nov. 18.
Staining slides and staining solutions therefor. A. Ferrari, Jr. 2,581,523, Jan. 8.
Stainless emulsible grease. J. C. Showalter. 2,599,353, June 3.
Stainless steel and method. H. Tanczyn. 2,614,921, Oct. 21.
Stainless steel melting process. D. L. Loveless. 2,621,119, Dec. 9.
Stainless steel process and product. F. K. Bloom. 2,590,074, Mar. 25.
Stair climbing vehicle attachment. R. S. Vogel. 2,612,379, Sept. 30.
Stair unit for prefabricated stairways. A. R. Cripe. 2,605,868, Aug. 5.
Stairway, Hinged and collapsible. L. J. Nixon. 2,593,336, Apr. 15.
Stairs, Foldable. R. B. Marschke. 2,613,866, Oct. 14.
Stake or post driver. C. Richardson. 2,593,186, Apr. 15.
Stake puller. L. J. Sarosdy. 2,582,284, Jan. 15.
Stake setter. N. R. and W. E. Evonuk. 2,617,627, Nov. 11.
Staking wheel. A. N. Borg. 2,603,079, July 15.
Stalk chopper for corn pickers. E. K. Karlsson. 2,613,490, Oct. 14.
Stalk cutter. C. N. Oakes. 2,601,751, July 1.
Stalk cutter. J. O. and G. A. Yenger. 2,592,991, Apr. 15.
Stalk feeding mechanism. L. F. Maus. 2,606,659, Aug. 12.
Stalk feeding roll. E. K. Karlsson. 2,618,273, Nov. 18.
Stalk shredder. J. B. Jarmin. 2,612,017, Sept. 30.
Stalk shredder and disintegrator. D. W. Rosenberg. 2,621,457, Dec. 16.
Stall with retaining gate. J. D. Youngman. 2,601,845, July 1.
Stamp dispensing machine. R. M. Singer. 2,601,062, June 17.
Stamp, Hand. H. V. Lauer. 2,598,806, June 3.
Stamp pad. P. Gordon. 2,585,647, Feb. 12.
Stamp transferring mechanism. E. W. Jackson and M. S Burke. 2,621,434, Dec. 16.
Stamped metal assembly clip. E. H. Rust. 2,607,972, Aug. 26.
Stamping and assembling multipart conductor clamps. G. E. Daniels. 2,596,375, May 13.
Stamping and embossing machine. J. J. Weber. 2,621,435, Dec. 16.
Stamping die holder. L. C. Hauer. 2,601,824, July 1.
Stamping machine. A. Bauer. 2,589,659, Mar. 18.
Stamping machine, Adjustable. M. J. Doyle. 2,619,030, Nov. 25.
Stamping machine, Transfer. C. B. Gallagher. 2,597,145, May 20.
Stamping machine with perfecting feature. S. E. Anderson. 2,589,761, Mar. 18.
Stamping means. F. C. Henderson. 2,621,591, Dec. 16.
Stamping wheel. C. W. Schott. 2,585,410, Feb. 12.
Stanchion. A. E. Anderson. 2,591,766, Apr. 8.

Stand: *See*—
- Automatically clamping work supporting stand.
- Baby bathing stand.
- Barbecue and cooking stand.
- Bicycle kick stand.
- Collapsible display stand.
- Collapsible stand.
- Collapsible step display stand.
- Christmas tree stand.
- Clothes stand.
- Display stand.
- Doll stand.
- Drum stand.
- Fishing rod stand.
- Glass stand.
- Hairspring vibrating stand.
- Hammock stand.
- Infant's bathing and dressing stand.
- Iron stand.
- Ironing stand.
- Mailbox stand.
- Merchandise stand.
- Merchandising and display stand.
- Mill roll stand.
- Oil can drain stand.
- Packing stand.
- Photographic stand.
- Picture screen stand.
- Reading stand.
- Rolling paint stand.

Stand: *See*—Continued.
- Rotatable Christmas tree stand.
- Rotatable display stand.
- Shoeshine stand.
- Smoking stand.
- Speaker's folding stand.
- Theftproof display stand.
- Tree stand.
- Utility stand.
- Visible reference desk stand.
- Wheel test stand.

Stand and dolly for trailer tongues. J. L. Gilmore. 2,595,453, May 6.
Stand and tray, Bedside. M. N. Wells. 2,609,938, Sept. 9.
Stand boiler with vertical flue and water circulating coil therein. V R Rostek. 2,618,246, Nov. 18.
Stand-by fuel feed control with hydraulic switching. J. Isreell. 2,617,477, Nov 11.
Stand for barbecue or shishkabob spit and grille, Collapsible. D. Scott. 2,619,026, Nov. 25.
Stand for camping and picnics, Knockdown. R. E. Barbin. 2,621,007, Dec. 9.
Stand for Christmas tree lamp assembly, Display. T. E. Dartt. 2,595,929, May 6.
Stand for dress-forms and the like. R. F. Palmer. 2,609,132, Sept. 2.
Stand for music racks and the like. F. F. Becker. 2,604,289, July 22.
Stand for reels. H. J. Hick. 2,601,960, July 1.
Stand for telephones and lamps, Supporting. W. C. O'Brien. 2,615,098, Oct. 21.
Stand, for Venetian blinds, Cleaning. E. M. Kerr. 2,598,798, June 3.
Stand lamp with a switch and a handle to adjust the lamp and also actuate the switch, Adjustable. G. Schaser. 2,598,310, May 27.
Stand lamp with light-diffusing means. R. D. and A. O. Pfister. 2,607,885, Aug. 19.
Standoff insulator stud. R. E. Mungovan and H. W. Orr. 2,615,954, Oct. 28.
Stand with retractable casters. H. G. Tiffany. 2,607,947, Aug. 26.
Standing wave ratio indicator. A. V. Hollenberg. 2,611,103, Sept. 16.
Standard impulse noise generator. H. C. Goodrich, Jr. 2,582,247, Jan. 15.
Stannous alkylcatecholates. G. E. P. Smith, Jr. 2,581,940, Jan. 8.
Stannous salts of polyhydroxy aromatic compounds, Making. G. E. P. Smith, Jr. 2,581,913, Jan. 8.
Staple cutter. H. H. Hebeler. 2,607,418, Aug. 19.
Staple driving means for portable pneumatic staplers. A. G. Juilfs. 2,585,930, Feb 19.
Staple extractor. R. Hofstetter. 2,592,570, Apr. 15.
Staple feed mechanism for portable pneumatic staplers. A. G. Juilfs. 2,585,942, Feb. 19.
Staple fiber mixture and preparation of spun yarn therefrom. C. C. Ward. 2,607,980, Aug. 26.
Staple, Frangible. E. J. J. Henriksen. Re. 23,566, Oct. 21.
Staple magazine and feed means for pneumatic staplers. A. G. Juilfs. 2,585,941, Feb. 19.
Staple remover. W. G. Pankonin. 2,596,719, May 13.
Staple setting apparatus and method. C. B. Goodstein. 2,589,491, Mar. 18.
Staple strip cutting mechanism. L. Demerath. 2,589,347, Mar. 18.
Stapler. H. L. Imelmann. 2,599,998, June 10.
Stapler, Plier type. F. S. Boroughs. 2,619,637, Dec. 2.
Stapling machine. A. Balma. 2,580,505, Jan. 1.
Stapling machine. S. M. Berger. 2,587,096, Feb. 26.
Stapling machine. J. N. Edmondson, H. Poulos, and C. R. James. 2,592,398, Apr. 8.
Stapling machine. H. Ruskin. 2,603,781, July 22.
Stapling machine, Fence. E. P. Byard. 2,618,779, Nov. 25.
Stapling machine for applying labels. E. H. Young. 2,582,731, Jan. 15.
Stapling machine, Pocket. H. Ruskin. 2,604,623, July 29.
Stapling tool. J. O. and S. H. Reece. 2,606,320, Aug. 12.
Starch conversion process. W. B. Newkirk and J. E. Dlouhy. 2,610,132, Sept. 9.
Starch ethers, Preparation of. L. Balassa. 2,588,463, Mar. 11.
Starch process, Modified. E. Wulkan. 2,581,741, Jan. 8.
Starch product, Modified. W. H. Hart. 2,585,651, Feb. 12.
Starch sponge, Preparation of. M. M. MacMasters and V. E. Hoaglund. 2,597,011, May 20.
Starching machine, Garment. R. M. Schultz. 2,595,710, May 6.
Starter. R. M. Nardone. 2,619,815, Dec. 2.
Starter and ignition means for turbojet engines. C. N. Lawter. 2,613,499, Oct. 14.
Starter for free piston engines. F. M. Lewis and W. A. Morain. 2,600,251, June 10.
Starter for internal-combustion engines. G. W. Hart. 2,585,313, Feb. 12.
Starter for internal-combustion engines. R. Lehman. 2,591,445, Apr. 1.
Starter generator. R. J. Hartz. 2,600,762, June 17.
Starter handle. W. T. Stearn. 2,587,783, Mar. 4.
Starter jaw actuating mechanism. R. W. Stelzel. Re. 23,497, May 20.
Starter jaw meshing device. R. E. Sears and A. F. Karlin. 2,595,004, Apr. 29.
Starter motor and generator repair tool. M. T. Henry. 2,623,556, Dec. 30.
Starter pinion engaging mechanism. R. R. Robinson and F. B. Laux. 2,621,532, Dec. 16.
Starter switch. C. Penk. 2,606,235, Aug. 5.
Starting and operating device and circuits for electric discharge devices. P. Waguet. 2,589,754, Mar. 18.
Starting and operating device and circuits for electric discharge devices. P. Waguet. 2,597,604, May 20.
Starting and operating devices and circuits for electric-discharge devices. P. Waguet. 2,586,404, Feb. 19.
Starting arrangement for dynamoelectric machines. E. R. Summers. 2,620,461, Dec. 2.
Starting arrangement for gyroscopic instruments. C. E. Barkalow. 2,588,607, Mar. 11.
Starting arrangements for gyroscopic reference instruments. C. E. Barkalow. 2,605,641, Aug. 5.
Starting control system for power plants. D. M. Poole. 2,602,287, July 8.
Starting device for free piston internal-combustion operated compressors or gas generators. R. J. Welsh. 2,611,233, Sept. 23.
Starting device for outboard motors. K. F. Johnson and A. H. Eggert. 2,597,334, May 20.
Starting gate. W. E. Christ. 2,613,638–9, Oct. 14.
Starting of internal-combustion engines. C. J. Moody. 2,590,445, Mar. 25.
Starting system for internal-combustion turbine power plants. N. C. Price. 2,609,659, Sept. 9.
Starting up low-temperature isoolefin polymerization. D. C. Walsh, Jr. 2,580,490, Jan. 1.
Static apparatus for parallax stereogram photography. M. Bonnet. 2,602,385, July 8.
Static converter. L. di Tella. 2,622,210, Dec. 16.
Static electricity instrument having audible indicator. R. C. Webster. 2,591,898, Apr. 8.
Static electromagnetic memory device. L. J. Kamm. 2,614,167, Oct. 14.
Static elimination from aircraft. R. H. George. 2,616,638, Nov. 4.
Static frequency changer. W. T. McMahon. 2,600,560, June 17.
Static network. R. L. Witzke. 2,608,679, Aug. 26.
Static phase balancer. L. J. Hibbard. 2,616,071, Oct. 28.
Static pressure investigator. D. K. Huzel. 2,604,786, July 29.
Static truck wheel balancer. C. W. Tinkham. 2,589,456, Mar. 18
Station identification for party lines. L. B. Mitchell. 2,615,094, Oct. 21.
Station wagon or the like. A. R. Lindsay. 2,583,781, Jan. 29.
Stationary feed mechanism for imprinting machines. A. Evans. 2,584,195, Feb. 5.
Stationary spool reel. W. C. Slotterback. 2,581,306, Jan. 1.
Stationery carrier. L. K. Fleischmann and B. A. Schroeder. 2,610,723, Sept. 16.
Stationery rack. D. M. Stewart. 2,600,339, June 10.
Stator and making same. W. L. Carlson. 2,582,005, Jan. 8.
Stator blade construction. S. Musikant. 2,599,654, June 10.
Stator winding machine. E. C. Allen. 2,594,707, Apr. 29.
Stay bar construction. R. S. Brownie. 2,589,768, Mar. 18.
Steady rest. J. U. Shager. 2,612,809, Oct. 7.
Steady rest. L. D. Tyson. 2,587,929, Mar. 4.
Steady rest. B. Welte and O. J. Abbott, Jr. 2,614,371, Oct. 21.
Steak machine. H. McIntosh. 2,607,952, Aug. 26.
Steak skinner. R. T. Townsend. 2,619,143, Nov. 25.
Steam actuated water propulsion system with rotating boiler heater. N. C. Kroutiris. 2,618,924, Nov. 25.
Steam boiler. W. Sampson. 2,598,723, June 3.
Steam boiler with equalized water level. D. M. Schoenfeld. 2,612,144, Sept. 30.
Steam boiling apparatus. C. A. Steen. 2,603,739, July 15.
Steam cleaner. J. D. Masopust. 2,604,881, July 29.
Steam cooker, Low-pressure. H. M. Bramberry. 2,622,591, Dec. 23.
Steam economizing system. P. Spence. 2,609,990, Sept. 9.
Steam electric creasing iron. J. H. Rotheraine. 2,601,059, June 17.
Steam electric iron. R. L. Hedenkamp. 2,596,684, May 13.
Steam engine having a unitary valve actuator. R. L. Harris and M. Lothrop. 2,591,933, Apr. 8.
Steam engine lubricants. J. I. Wasson. 2,614,991, Oct. 2.
Steam engine valve. C. C. Thompson. 2,622,568, Dec. 23.
Steam generator. P. Johneas. 2,622,184, Dec. 16.
Steam generator. J. Joosten. 2,621,635, Dec. 16.
Steam generator with dust separator. W. H. Armacost. 2,623,505, Dec. 30.
Steam heated head for garment presses. E. J. Terwelp and T. A. Waggett. 2,616,194, Nov. 4.
Steam iron. L. N. Butcher. 2,588,698, Mar. 11.
Steam iron. K. B. Dafforn and R. I. Huffman. 2,612,709, Oct. 7.
Steam iron. R. J. Scott. 2,596,608, May 13.
Steam iron. J. L. Viecell. 2,618,875, Nov. 25.

Steam iron reservoir water supply and water discharge means. F. E. Finlayson. 2,587,608, Mar. 4.
Steam iron vaporizing chamber. E. O. Morton. 2,588,747, Mar. 11.
Steam iron water reservoir water discharge control means. A. G. Swenson. 2,587,665, Mar. 4.
Steam iron with controlled water flow. R. O. Stevenson, J. W. Myers, and C. R. Turner. 2,620,576, Dec. 9.
Steam irons, Manufacture of. K. L. Woodman. 2,592,503, Apr. 8.
Steam generator. R. J. Boyer. 2,599,316, June 3.
Steam generator. G. M. Duckworth. 2,614,555, Oct. 21.
Steam generator. K. F. Nordlund. 2,590,117, Mar. 25.
Steam generator. C. H. Woolley. 2,608,959, Sept. 2.
Steam generator. B. Woynar. 2,597,423, May 20.
Steam generator. B. Woynar. 2,599,735, June 10.
Steam generating apparatus. W. H. Rowand and C. S. Smith. 2,591,299, Apr. 1.
Steam generating system, Low-pressure. E. P. Worthen and B. Fox. 2,584,651, Feb. 5.
Steam hydrator. R. M. Schultz. 2,598,447, May 27.
Steam jacketed rendering kettle with bottom drawoff. H. L. Corbet, G. Holland, and J. M. Murray. 2,622,590, Dec. 23.
Steam locomotive admission and exhaust piston valve. T. J. Hoy. 2,588,841, Mar. 11.
Steam locomotive injector attachment. W. F. Smith, Sr. 2,611,384, Sept. 23.
Steam pad. A. Colonna. 2,602,646, July 8.
Steam power producing plant working with two water sources, the difference of temperature of which is small. L. Nisolle. 2,595,164, Apr. 29.
Steam pressing iron. A. Sussman. 2,597,763, May 20.
Steam resistant isoolefin-diolefin copolymer rubbery composition. D. V. Sarbach. 2,611,758, Sept. 23.
Steam separator. N. C. Artsay. 2,592,530, Apr. 15.
Steam trap. R. C. Baker and R. L. Clark. 2,586,143, Feb. 19.
Steam trap. J. F. McKee. 2,622,886, Dec. 23.
Steam trap. E. L. Myers. 2,613,685, Oct. 14.
Steam turbine. C. E. Kenney and C. D. Wilson. 2,609,255, Sept. 2.
Steam water heater. L. M. Puster. 2,610,837, Sept. 16.
Steaming and pressing iron. H. Maykemper. 2,615,265, Oct. 28.
Steaming device. S. Cohn and J. G. Walter. 2,602,314, July 8.
Steel bar conveying apparatus. L. Winston. 2,620,931, Dec. 9.
Steel frog tie with special clips. E. E. Roecker. 2,611,077, Sept. 16.
Steel, Low-alloy high-yield strength weldable. J. M. Hodge and R. D. Manning. 2,586,042, Feb. 19.
Steel, Making. S. A. Gilbert. 2,600,238, June 10.
Steel, Making low-alloy. M. J. Day and G. D. Rahrer. 2,585,372, Feb. 12.
Steelmaking process. F. Cremer. 2,590,843, Apr. 1.
Steel manufacture. J. C. Fourmanoit. 2,620,268, Dec. 2.
Steel, Manufacture of. F. B. Waldron. 2,587,793, Mar. 4.
Steel nut and making. G. C. Riegel. 2,615,119, Oct. 21.
Steel, Producing. E. H. Graf. 2,593,554, Apr. 22.
Steel products and articles, Producing. C. E. Sims and M. N. Landis. 2,589,881, Mar. 18.
Steel sheet pile threader. H. F. Caudill. 2,583,928, Jan. 29.
Steel shipping package for section beams. J. B. McGinn. 2,593,472, Apr. 22.
Steel with high toughness at high hardness levels, Low-alloy, high-hardenability. J. M. Hodge and R. D. Manning. 2,586,041, Feb. 19.
Steel wool holder. A. Broussard. 2,618,804, Nov. 25.
Steel-like alloy containing spheroidal graphite. K. D. Millis, A. P. Gagnebin and N. B. Pilling. 2,610,912, Sept. 16.
Steeping of cellulose. P. H. Schlosser and R. L. Mitchell. 2,614,102, Oct. 14.
Steeping press. J. Flori and I. Thomas. 2,608,151, Aug. 26.
Steeping press. G. Joris. 2,601,400, June 24.
Steerable trailer support. A. Ronning. 2,605,114, July 29.
Steerable wheel drive and mounting. B. W. Keese. 2,623,604, Dec. 30.
Steering and throttle control for outboard motors. H. A. Morey. 2,618,985, Nov. 25.
Steering apparatus for sleds. J. W. Grenier. 2,617,659, Nov. 11.
Steering apparatus for vehicles, Sharp turn. E. M. McElhinney and T. A. Podhajsky. 2,609,216, Sept. 2.
Steering attachment for outboard motors, Remote-control. W. L. Holzhauser. 2,598,383, May 27.
Steering connection for vehicle pushed implements. M. M. Piltz. 2,612,385, Sept. 30.
Steering control device for jet-propelled flying machines. R. A. Robert. 2,621,871, Dec. 16.
Steering control for banking arm vehicles. J. Kolbe. 2,581,030, Jan. 1.
Steering control for model aircraft. W. A. Rhodes. 2,599,484, June 3.
Steering control for track laying vehicles. J. C. Rhoads. 2,605,852, Aug. 5.
Steering device for motor vehicles. B. Barényi. 2,622,690, Dec. 23.
Steering device for steering wheels. S. Garfield. 2,592,413, Apr. 8.
Steering device for toy vehicles, Auxiliary. O. W. Denny. 2,584,561, Feb. 5.
Steering gear construction. S. I. MacDuff. 2,587,495, Feb. 26.
Steering lever construction. M. F. Snyder. 2,603,981, July 22.
Steering linkage. M. H. Alldredge and M. P. Graham. 2,614,862, Oct. 21.
Steering means for mobile conveyances. P. H. Gerrits. 2,613,944, Oct. 14.
Steering means for vehicles. M. B. Robinson. 2,590,574, Mar. 25.
Steering mechanism. S. I. MacDuff. 2,605,854, Aug. 5.
Steering mechanism. E. L. Potter. 2,582,455, Jan. 15.
Steering mechanism. N. E. Wahlberg. 2,614,436, Oct. 21.
Steering mechanism for the front wheels of baby carriages. C. F. Dennesen. 2,589,679, Mar. 18.
Steering mechanism for three-wheel vehicles. C. Bancroft. 2,615,727, Oct. 28.
Steering mechanism for tractors. G. A. Thomas. 2,611,442, Sept. 23.
Steering mechanism for wheeled frames. H. L. Schmalzried. 2,592,194, Apr. 8.
Steering mechanism, Trailer. L. B. Howard. 2,601,526, June 24.
Steering mechanism, Trailer. O. J. Seely. 2,592,475, Apr. 8.
Steering mechanism, Wagon. A. B. Moen. 2,603,503, July 15.
Steering motor for airplane landing wheels. H. S. Diebel. 2,613,640, Oct. 14.
Steering rudder. H. F. Sands. 2,597,189, May 20.
Steering system, Automatic. A. M. MacCallum. 2,589,834, Mar. 18.
Steering system, Dual wheel. J. B. Kucera. 2,617,661, Nov. 11.
Steering wheel. F. W. Sampson. 2,623,405, Dec. 30.
Steering wheel cover. L. M. Goldstine. 2,618,987, Nov. 25.
Steering wheel cover. R. E. Oberlin, Sr. 2,601,881, July 1.
Steering wheel for dual control assemblies, Detachable auxiliary. R. B. Sprinkel, H. D. Umstott, and H. E. Knight, Jr. 2,584,636, Feb. 5.
Stem remover for tobacco leaves. H. Lewin. 2,599,267, June 3.
Stem winding and setting mechanism. A. L. Rawlings. 2,592,067, Apr. 8.
Stemmed cherry mold. H. Domnits. 2,600,522, June 17.
Stencil. C. O. Dicks. 2,583,820, Jan. 29.
Stencil decorating machine. B. Martin. 2,605,700, Aug. 5.
Stencil duplicator, Hand. P. H., W. D., and J. H. Mason. 2,600,413, June 17.
Stencil frame for screen printing. T. Bily. 2,588,199, Mar. 4.
Stencil-moistening and stencil-blotting apparatus, Combined. H. P. Elliott. 2,584,683, Feb. 5.
Stencil printing apparatus. K. W. Meissner. 2,613,596, Oct. 14.
Stencil, Screen. J. B. Brennan. 2,592,789, Apr. 15.
Stenciling machine. W. P. McCormick and R. G. Wilson. 2,623,456, Dec. 30.
Stenciling machine, Silk screen. J. A. Black. 2,606,492, Aug. 12.
Stenographic machine, Electrically operated. J. K. Watson. 2,593,371, Apr. 15.
Step and repeat film holder. E. Nineberg. 2,601,804, July 1.
Step assembly, Retractable. R. N. and B. L. Keltner. 2,582,488, Jan. 8.
Step-by-step operated partial revolution wrench. P. W. Meyer and M. R. Riola. 2,602,361, July 8.
Stepladder. A. F. Gaughan. 2,604,251, July 22.
Stepladder. J. B. Bell. 2,596,521, May 13.
Step or platform, Standing. F. Keest. 2,581,027, Jan. 1.
Step-up mechanism. W. Patzer. 2,609,698, Sept. 9.
Step-up switch mechanism. L. A. Durant and G. Horlick. 2,618,719, Nov. 18.
Stepped jaws closure remover with pivoted handles. W. W. and T. G. Vlasak. 2,607,248, Aug. 19.
Stepping switch. E. F. Thierfelder. 2,600,938, June 17.
Stepwise addition of a diazo thioether in emulsion polymerization. C. M. Tucker and W. E. Wells. 2,584,823, Feb. 5.
Stereo-chemical equilibration of secondary carbinamines. T. C. Aschner. 2,608,583, Aug. 26.
Stereophonic reproduction apparatus. K. de Boer. 2,610,604, Sept. 16.
Stereoplotting method and apparatus. G. Kuipers. 2,589,824, Mar. 18.
Stereoscope attachment for print lifting. D. W. Sawyer. 2,588,416, Mar. 11.
Stereoscope, Collapsible. O. M. Stone. 2,621,562, Dec. 16.
Stereoscopic and stroboscopic gunnery fire control system. T. D. Tyra. 2,581,459, Jan. 8.
Stereoscopic device, Foldable. T. B. Tinker. 2,616,333, Nov. 4.
Stereoscopic electron microscope. G. M. Fleming. 2,617,041, Nov. 4.
Stereoscopic film viewer. G. M. Mast and W. K. Gannett. 2,590,260, Mar. 25.

Stereoscopic projection system, including anaglyphic and polarising filters. J. Stipek. 2,623,433, Dec. 30.
Stereoscopic projector, Dual. H. R. Lutes. 2,598,573, May 27.
Stereoscopic rotator for rotating stereoscopic pictures. H. S. Alexander. 2,593,826, Apr. 22.
Stereoscopic system for three-dimensional location of aircraft. R. K. Frazier. 2,602,923, July 8.
Stereoscopic target for testing eyes. J. M. Richards. 2,603,124, July 15.
Stereoscopic television. A. Wright. 2,621,247, Dec. 9.
Stereotype finishing machine. C. S. Crafts and C. V. Knell. 2,604,017, July 22.
Sterilization of salted foods and materials. O. Rahn. 2,594,213, Apr. 22.
Sterilized cream for preservation in sealed containers, Preparing a. V. Nelson. 2,603,568, July 15.
Steriliser. R. L. Jewell and G. J. Dyckes. 2,613,130, Oct. 7.
Steriliser. R. L. Jewell and C. E. Freese. 2,592,705, Apr. 15.
Sterilizer, Bottle. E. G. Thompson. 2,597,407, May 20.
Sterilizer, Dental. V. H. Dietz. 2,596,219, May 13.
Sterilizer for feed bags and other articles. A. J. Balshi. 2,590,367, Mar. 25.
Sterilizer, Toothbrush. R. O. Farrar. 2,592,131, Apr. 8.
Sterilizing apparatus. C. L. Halmrast. 2,592,687, Apr. 15.
Sterilizing biological liquids. J. O. Erickson, R. F. Stamm, and R. L. Libby. 2,588,223, Mar. 4.
Sterilizing substances or materials such as food and drugs. D. M. Robinson. 2,602,751, July 8.
Stern for outboard motorboats. L. Plaziak. 2,585,344, Feb. 12.
Steroid adducts. P. E. Marlett, A. R. Hanze, A. V. McIntosh, Jr., and R. H. Levin. 2,621,181, Dec. 9.
Steroid aldehydes. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,623,054, Dec. 23.
Steroid compounds. P. E. Marlatt, A. R. Hanze, A. V. McIntosh, Jr., and R. H. Levin. 2,615,017, Oct. 21.
Steroid derivatives and producing the same. M. N. Huffman. 2,584,271, Feb. 5.
Steroid esters, Producing. M. N. Huffman. 2,585,553, Feb. 12.
Steroid 6-acetic acids. E. Kaiser and J. Svarz. 2,584,091, Jan. 29.
Steroid 20-21 enol acetates. R. B. Moffett. 2,595,596, May 6.
Sterol esters of nicotinic acid. H. R. Rosenberg. 2,586,438, Feb. 19.
Stick remover for seed cotton extracting machines. C. M. Merkel and T. E. Wright. 2,580,451, Jan. 1.
Sticks, Production of. H. A. Roberge. 2,615,484, Oct. 28.
Stiffened permeable resin coated fibrous sheet, Making a. A. F. Schramm, Jr. 2,603,575, July 15.
Stiffened woven fabric. P. Amyot. 2,609,013, Sept. 2.
Stiffening uppers of shoes. J. J. Brophy. 2,618,796, Nov. 25.
Stiffening uppers of shoes. J. J. Brophy and C. G. Newton, Jr. 2,611,195, Sept. 23.
Stilbene derivatives, Basic. W. Stoll and C. J. Morel. 2,599,497, June 3.
Stimulating the growth of mammary glands and lobule-alveolar system of mammals. C. W. Turner. 2,589,898, Mar. 18.
Stirrer. F. Lamoreaux. 2,589,558, Mar. 18.
Stirrer and hydrometer tester, Combined. M. F. Nace. 2,616,287, Nov. 4.
Stirring and scraping device. F. B. Williams. 2,593,949, Apr. 22.
Stirring apparatus. W. K. Maurer, K. F. Schoen, and K. P. Frey. 2,621,907, Dec. 16.
Stirring apparatus for molten glass in forehearths. K. E. Peiler. 2,586,079, Feb. 19.
Stirring dyeing baths. A. Wyssling. 2,604,773, July 29.
Stitch and seam opener. K. C. Bugg. 2,597,564, May 20.
Stitch-forming method and apparatus. E. P. Spaine. 2,599,418, June 3.
Stitch puller. E. L. Selby. 2,623,729, Dec. 30.
Stitch regulator of sewing machines. H. Pudelko. 2,583,444, Jan 22.
Stitcher for tire-building apparatus. H. D. Stevens. 2,581,933, Jan. 8.
Stitching machine. E. P. Crim. 2,614,253, Oct. 21.
Stitchless embossed fabrics, Making. G. Corallo. 2,586,208, Feb. 19.
Stitchless flexible pocket receptacle. D. J. Broughton. 2,592,651, Apr. 15.
Stock and barrel connection in guns. R. Bretton. 2,598,885, June 3.
Stock box for brushmaking machines. J. I. Carlson. 2,621,079, Dec. 9.
Stock chute, Automatic. B. A. Howe. 2,587,160, Feb. 26.
Stock clamp. J. G. Moobl and V. T. Tanski. 2,602,215, July 8.
Stock dipping hook. W. L. Kuhns. 2,603,185, July 15.
Stock distribution system. T. S. Skillman. 2,584,628, Feb. 5.
Stock feed means. W. B. Retz. 2,623,267, Dec. 30.
Stock feed mechanism. L. W. McClellan, F. J. Holberger, and H. E. Rose. 2,617,176, Nov. 11.
Stock-feeding hopper for blast furnaces. W. H. Mursch. 2,619,344, Nov. 25.
Stock food and making same. D. B. Vincent. 2,595,181, Apr. 29.
Stock gauge trip apparatus. J. H. Friedman. 2,615,355, Oct. 28.
Stock line wearing element. H. Cope. 2,580,519, Jan. 1.
Stock reel. W. B. Retz. 2,609,591, Sept. 9.
Stock reel or coil holder. G. F., J. G., and R. W. Clark. 2,621,868, Dec. 16.
Stock stop. A. E. Drissner. 2,617,175, Nov. 11.
Stock stop for automatic lathes. G. E. Cuttat. 2,605,539, Aug. 5.
Stock switch. H. F. Benoit. 2,586,144, Feb. 19.
Stocking. E. Camillo. 2,586,204, Feb. 19.
Stocking. A. W. Vogel. 2,623,373, Dec. 30.
Stocking and affixing an adhesive transfer thereto. M. J. Gordon. 2,601,115, June 17.
Stocking and making same, Circular-knit multifeed. I. W. Grothey and R. H. Lawson. 2,590,008, Mar. 18.
Stocking and making the same. F. R. Page. 2,601,451, June 24.
Stocking and producing same. C. W. Livingston. 2,591,566, Apr. 1.
Stocking blank and knitting. M. C. Miller. 2,582,756, Jan. 15.
Stocking construction. S. Reinstein. 2,583,748, Jan. 29.
Stocking heel construction. C. B. Biehl. 2,593,719, Apr. 22.
Stocking package. H. E. Schoenhut. 2,612,260, Sept. 30.
Stocking, Reinforced. R. E. Tilles. 2,584,944, Feb. 5.
Stocking supporter and blouse holder, Combined. E. Berg. 2,608,692, Sept. 2.
Stockings and the like articles of hosiery, Manufacture of. J. Garric. 2,585,456, Feb. 12.
Stoker ash scoop. L. O. Miller. 2,621,958, Dec. 16.
Stoker control. J. O. Yelda. 2,593,644, Apr. 22.
Stoker control apparatus. J. D. Donna. 2,581,522, Jan. 8.
Stoker control apparatus. H. L. Hanson. 2,604,264, July 22.
Stoker control system. A. L. Judson. 2,601,529, June 24.
Stoker fuel supply signal switch. M. E. Keele and M. L. Noble. 2,599,840, June 10.
Stoker mechanism. C. W. Bros. 2,582,583, Jan. 15.
Stoking apparatus fuel storage bin and conveyer. C. E. Shaffer and A. B. Fisher, Jr. 2,590,133, Mar. 25.
Stone crushing device. R. A. Campbell. 2,585,224, Feb. 12.
Stone polishing machine. C. S. Cushman. 2,618,912, Nov. 25.
Stone sawing apparatus. W. D. Johnson. 2,619,081, Nov. 25.
Stone sawing machine. B. G. Stålheim. 2,621,645, Dec. 16.
Stone tread, Nontrap. C. C. Kirby. 2,604,920, July 29.
Stool. L. P. Danielson. 2,590,382, Mar. 25.
Stool. B. F. Hamilton. 2,598,788, June 3.
Stool. A. L. Janes, Jr. 2,597,332, May 20.
Stool and retractable footrest, Combined. E. V. Price and V. E. Price. 2,607,946, Aug. 26.
Stool base, Adjustable. C. W. Chain. 2,583,414, Jan. 22.
Stool, Collapsible adjustable. W. J. Sannebeck. 2,586,724, Feb. 19.
Stool, ladder, and high chair, Combined. S. S. Lane. 2,619,152, Nov. 25.
Stool or seat, Portable folding. C. D. Keely. 2,617,474, Nov. 11.
Stool or table, Collapsible. H. S. Leggett. 2,604,932, July 29.
Stool, Utility. T. R. Finke. 2,609,033, Sept. 2.
Stop. W. E. W. Nicolls. 2,588,560, Mar. 11.
Stop applying machine for slide fasteners. H. P. Camp. 2,619,148, Nov. 25.
Stop-carrying plate for recording machines. W. D. Ward. 2,608,347, Aug. 26.
Stopcock. D. J. Voorhorst. 2,617,623, Nov. 11.
Stopcock retaining device. G. Borneman. 2,589,985, Mar. 18.
Stopcock rotor. E. J. Mansfield. 2,621,013, Dec. 9.
Stop for cut-off saws. J. P. Freudenthaler. 2,618,300, Nov. 18.
Stop for detachable measuring tapes. E. J. Witchger. 2,607,549, Aug. 19.
Stop for fluid filled cable systems. R. C. Rifenburg. 2,615,952, Oct. 28.
Stop joint for cables. L. L. Phillips. 2,582,064, Jan. 8.
Stop-leak preparation. F. D. Barton. 2,580,719, Jan. 1.
Stop light mechanism for motor vehicles. H. R. Rogers. 2,584,292, Feb. 5.
Stop mechanism for implement adjusting cylinders. J. V. Dyrr. 2,606,414, Aug. 12.
Stop mechanism for implement adjusting cylinders. J. F. Ziskal. 2,606,532, Aug. 12.
Stop mechanism for sliding elements of furniture. E. G. Rudman. 2,599,865, June 10.
Stop motion. M. Antonevich. 2,588,689, Mar. 11.
Stop motion device for knitting machines. J. S. Carter. 2,591,405, Apr. 1.
Stop motion device for ring spinning frames. J. E. Sumner. 2,618,115, Nov. 18.
Stop-motion for full fashioned knitting machine. B. H. Lane. 2,601,155, June 17.

Stop motion for knitting machines, Electrical. W. O. Heyne. 2,594,168, Apr. 22.
Stop motion for looms. C. G. Moon. 2,619,128, Nov. 25.
Stop motion for looms, Electric. I. S. Porter. 2,594,209, Apr. 22.
Stop-motion for pile-weaving machines. B. Kahn. 2,609,847, Sept. 9.
Stop motion for textile machines. M. M. Rosenstein. 2,594,218, Apr. 22.
Stop motion for twisters. T. M. Ripley, C. P. Ellis, and F. G. Powers. 2,619,789, Dec. 2.
Stop motion for twisting and winding machines. P. J. Thomas. 2,584,096, Jan. 29.
Stop motion mechanism for knitting machines. J. Wachsman. 2,599,595, June 10.
Stopper, Automatic bottle. R. Dreyfus. 2,582,318, Jan. 15.
Stopper for containers. E. I. Vérel. 2,583,162, Jan. 22.
Stopper for flasks. L. Rane. 2,603,218, July 15.
Stopper head for ladles. A. L. Hodge. 2,599,832, June 10.
Stopper pull. J. Oftedahl. 2,582,269, Jan. 15.
Stopper, Sink. A. G. Gross. 2,611,904, Sept. 30.
Stopper, Valved drop forming. V. Balcar. 2,605,938, Aug. 5.
Stopping arrangement and coupling for the thread feed of spinning machines. H. E. Bade. 2,623,348, Dec. 30.
Stopping device for tape in magnetic recorders. A. L. W. Williams. 2,590,665, Mar. 25.
Storage and concentration of acetylene. R. R. Vogt and W. H. Hamill. 2,580,622, Jan. 1.
Storage and relay system. A. A. Cohen, J. L. Hill, and R. M. Kalb. 2,614,169, Oct. 14.
Storage and signaling system, Electrical. H. F. May. 2,594,960, Apr. 29.
Storage battery cap with gas recombining means. P. H. Craig. 2,615,062, Oct. 21.
Storage battery carrying strap. R. and K. D. Stevens. 2,618,503, Nov. 18.
Storage battery construction, Sealable. P. A. C. Jacquier. 2,614,138, Oct. 14.
Storage battery electrode. J. B. Brennan. 2,610,220, Sept. 9.
Storage battery plate separator. H. E. Walker. 2,607,810, Aug. 19.
Storage battery separator. H. D. Wilson and C. Popper. 2,591,755, Apr. 8.
Storage bin construction. A. B. Osgood. 2,604,238, July 22.
Storage bin control. C. de Brabander. 2,618,395, Nov. 18.
Storage bin, Revolving. L. J. Nixon. 2,586,699, Feb. 19.
Storage bin structure. R. V. Mathews. 2,582,641, Jan. 15.
Storage bin with pressure-relieving baffles. A. T. Hurter. 2,598,388, May 27.
Storage box for clothes. L. K. Frolich. 2,613,805, Oct. 14.
Storage building. L. A. Wilkin. 2,618,401, Nov. 18.
Storage building and mechanism for loading same. H. F. Morley. 2,598,413, May 27.
Storage cabinet. R. M. Zook. 2,603,547, July 15.
Storage device for vacuum cleaner and appurtenances. R. F. MacFarland. 2,603,816, July 22.
Storage device utilizing semiconductor. F. Gray. 2,592,683, Apr. 15.
Storage system for pressurized fluids. G. F. McLaughlin. 2,600,015, June 10.
Storage system for treating material. J. G. Mellen. 2,584,727, Feb. 5.
Storage tank. J. W. Allen. 2,583,536, Jan. 29.
Storage tank. W. E. Joor, Jr. 2,593,153, Apr. 15.
Storage tank. W. E. Joor, Jr. 2,617,552, Nov. 11.
Storage tank with partitioned floating closure. F. de Hoffman. 2,619,252, Nov. 25.
Storage tube system. M. Arditi. 2,617,963, Nov. 11.
Storage vault conditioning unit. W. G. Haertel, D. H. Oliver, and V. H. Smallbeck. 2,582,986, Jan. 22.
Store basket and carriage. D. G. Kasper. 2,596,775, May 13.
Store counter display stand. L. Rothrock. 2,592,189, Apr. 8.
Store front bar construction. M. Ketchum, Jr. 2,620,525, Dec. 9.
Store front pane fastener. J. J. Bosshard. 2,589,986, Mar. 18.
Storing and comparing arrangement for collating and the like machines. K. A. Knutsen. 2,597,647, May 20.
Storing and recovering peat. F. E. Pierce. 2,590,205, Mar. 25.
Storing gases or liquids. R. L. Pattinson. 2,590,066, Mar. 18.
Storing volatile liquids. C. J. Merrium. 2,601,313, June 24.
Storm blind. V. H. Burkhart. 2,587,440, Feb. 26.
Storm door and panel construction. E. P. Comfort. 2,611,933, Sept. 30.
Storm sash. G. J. Shink. 2,616,134, Nov. 4.
Storm sash glass channel. R. Humphrey. 2,621,764, Dec. 16.
Storm shutter and awning, Combination. C. R. Reiner. 2,604,938, July 29.
Storm shutter assembly. C. and F. Satz. 2,598,610, May 27.
Storm welts, Making. L. H. Gemme. 2,593,871, Apr. 22.
Storm window. S. Spector and G. J. Teplanszki. 2,595,016, Apr. 29.
Storm window. L. Toth. 2,611,156, Sept. 23.
Storm window and awning, Convertible. G. M. Young. 2,601,078, June 17.
Storm window and screen assembly. J. Sylvan. 2,618,327, Nov. 18.
Storm window and screen, Combination. J. and K. Terayva. 2,617,158, Nov. 11.
Storm window fastener. E. A. Lucas. 2,596,906, May 13.
Storm window fastener. J. H. Widmer and C. T. Smith. 2,584,375, Feb. 5.
Storm window operator. F. Coccetti. 2,620,214, Dec. 2.
Storm window or window screen. A. Kalla, Jr. 2,604,676, July 29.
Storm window structure. V. E. Anderson. 2,593,239, Apr. 15.
Storm window structure. J. Kublanow. 2,618,818, Nov. 25.
Stove. B. B. Kuhn and P. F. Metz. 2,580,927, Jan. 1.
Stove accessory. R. B. Cronheim. 2,591,786, Apr. 8.
Stove, Coal. J. C. Miles. 2,601,314, June 24.
Stove, Collapsible camp. A. S. Haislip. 2,597,477, May 20.
Stove construction. H. M. Reeves. 2,622,584, Dec. 23.
Stove, Cooking. C. Cornelius. 2,590,942, Apr. 1.
Stove, Cooking. M. E. Gilbert. 2,589,073, Mar. 11.
Stove, Cooking. H. W. Sanford and W. P. Biddle, Jr. 2,582,887, Jan. 15.
Stove door and window unit. H. E. Mills. 2,612,154, Sept. 30.
Stove drawer track. A. Zaltzman. 2,586,138, Feb. 19.
Stove, Drying. J. A. Johnson. 2,587,479, Feb. 26.
Stove for automatic chokes. H. A. Boller. 2,618,251, Nov. 18.
Stove for burning either liquid or gaseous fuel. M. D. Ingram. 2,610,621, Sept. 16.
Stove for burning solid fuel, Magazine type hot-air. K. A. Niermeyer. 2,593,690, Apr. 22.
Stove, Fuel oil. C. B. Heroux and J. F. Wetzel. 2,605,758, Aug. 5.
Stove, Including heat maintaining means, Wood burning. G. W. Harding. 2,607,335, Aug. 19.
Stove or furnace for heating water. R. G. Cubitt. 2,612,877, Oct. 7.
Stove pipe-tent pole combination with shield. E. F. Campbell. 2,601,865, July 1.
Stove, Portable broiling. T. W. Turner. 2,611,357, Sept. 23.
Stove with portable grill, Electric. J. W. Crist. 2,584,187, Feb. 5.
Stowing cargo in vessels. R. M. Otter. 2,619,066, Nov. 25.
Straight beam adjustable jaw cam clamp. G. O. Marler. 2,619,138, Nov. 25.
Straight bore hydraulic knuckle. C. P. Young. 2,609,226, Sept. 2.
Straightedge glass plate beveling and edging machine. W. A. Reaser, E. A. Ziems, and J. M. Christman. 2,600,127, June 10.
Straight sided stacking tote or packing box. W. F. Best. 2,610,756, Sept. 16.
Straightening device. H. H. Schaefer. 2,602,197, July 8.
Straightening sheet material. P. G. Snyder and N. T. Gordon. 2,604,971, July 29.
Strain bar assembly. W. L. Hollander. 2,618,681, Nov. 18.
Strain carrier for twin strings of insulators. D. C. Hubbard. 2,613,913, Oct. 14.
Strain relief for electrical connectors. S. L. Pedersen. 2,590,880, Apr. 1.
Strain responsive gauge. S. B. Williams. 2,592,223, Apr. 8.
Strain wire gauge. C. J. Baker. 2,622,176, Dec. 16.
Strainer. C. A. Giauque. 2,593,293, Apr. 15.
Strainer. J. H. Schmid. 2,610,741, Sept. 16.
Strainer assembling device. S. Wannamaker. 2,602,356, July 8.
Strainer, Automatic water. W. H. Zollinger. Re. 23,469, Mar. 4.
Strainer, Cream. C. H. Parsons, W. S. Campbell, and W. W. West. 2,619,232, Nov. 25.
Strainer, Downspout. E. E. Rausch. 2,595,538, May 6.
Strainer, Filter. M. C. Robinson. 2,606,149, Aug. 5.
Strainer for pipe lines and cleaning the same. G. R. Blackman and C. J. McWhorter. 2,606,663, Aug. 12.
Strainer for washing machines. H. D. Brotman. 2,586,508, Feb. 19.
Strainer, Milk. F. G. Hodsdon. 2,584,206, Feb. 5.
Strainer, Milk. L. F. Zernicke. 2,601,079, June 17.
Strainer or the like, Wire mesh. F. Berman. 2,585,729, Feb. 12.
Straining means. C. F. Dinley. 2,596,661, May 13.
Strand and making the same. H. E. Holcomb. 2,616,239, Nov. 4.
Strand blower. M. C. Anderson. 2,622,306, Dec. 23.
Strand bundle drier and conditioner. W. A. Knopp. 2,597,999, May 27.
Strand cushioning device. I. S. Roberts. 2,613,884, Oct. 14.
Strand handling apparatus. T. T. Bunch. 2,585,999, Feb. 19.
Strand handling tool. J. T. Kane. 2,591,550, Apr. 1.

Strand package arbor. E. K. Bauer. 2,616,631, Nov. 4.
Strand-retaining means for winding machines. M. E. Faran. 2,621,861, Dec. 16.
Strand separating and cleaning device for twisted clothes-lines. D. M. MacKenzie. 2,598,404, May 27.
Strand serving apparatus. T. T. Bunch. 2,602,281, July 8.
Strand serving apparatus. J. O. Hamilton. 2,595,138, Apr. 29.
Strand tensioning device. I. S. Roberts. 2,613,886, Oct. 14.
Strand winding machine. E. L. Whitby. 2,617,602, Nov. 11.
Strap brush for bathing. W. Novick. 2,615,189, Oct. 28.
Strap buckle, Adjustable. S. Grishman. 2,580,159, Feb. 19.
Strap, Clamped hold-down. G. E. Froelich. 2,581,646, Jan. 8.
Strap construction for bathing sandals. B. P. Daugherty, Jr. 2,595,643, May 6.
Strap fastening tool. B. M. Craig. 2,612,804, Oct. 7.
Strap fastening tool. M. J. McAneny. 2,612,802-03, Oct. 7.
Strapping machine. W. C. Childress and A. I. Ericsson. 2,594,397, Apr. 29.
Straw cutter. V. P. Alloway. 2,611,407, Sept. 23.
Straw windrower. J. J. Overman. 2,609,080, Sept. 2.
Strawberry capping machine. F. L. Rahal. 2,601,055, June 17.
Streamline depth charge. R. H. Park, A. G. Russell, W. S. MacDonald, and R. R. Crookston. 2,599,579, June 10.
Streamlined auxiliary fuel tank. W. S. Fletcher. 2,596,139, May 13.
Street-lighting fixture. A. A. Hocher. 2,608,369, Aug. 26.
Street lighting reflector with parabolic upward curvature formation. P. H. Mitchell. 2,619,581, Nov. 25.
Street lighting system, Fluorescent. A. M. Miles. 2,610,310, Sept. 9.
Street sign. R. Michel. 2,596,582, May 13.
Street sign. A. Sprung. 2,622,357, Dec. 23.
Street-sweeping machine. C. W. Mott. 2,586,554, Feb. 19.
Street sweeping machine. C. W. Mott. 2,614,279, Oct. 21.
Strengthening a calcined supported phosphoric acid catalyst. J. M. Mavity. 2,596,497, May 13.
Streptomycin glucuronate. G. W. Mast. 2,583,534, Jan. 29.
Streptomycin on synthetic medium, Production of. H. H. Thornberry and H. W. Anderson. 2,621,146, Dec. 9.
Streptomycin-polymyxin-bacitracin composition. H. Welch. 2,594,374, Apr. 29.
Streptomycin sulfonamides and preparation. P. S. Winnek. 2,620,336, Dec. 2.
Streptomycyl amines and production thereof. W. A. Winsten, M. Katz, and S. R. Safir. 2,607,770, Aug. 19.
Stress breaker. S. E. Noyes. Re. 23,511, June 10.
Stress breaker assembly for artificial dentures. R. J. Ludwig. 2,607,116, Aug. 19.
Stress indicating bolt or stud. A. R. Stone. 2,600,029, June 10.
Stress measurement technique. E. F. Shelley. 2,612,039, Sept. 30.
Stress-strain testing, Method and apparatus for. C. M. Zener and D. Van Winkle. 2,612,774, Oct. 7.
Stressing concrete, Method and apparatus for. R. M. Parry. 2,609,586, Sept. 9.
Stretcher. O. P. Smith. 2,614,266, Oct. 21.
Stretcher and cot, Combination. C. C. Carpenter. 2,601,365, June 24.
Stretcher and drier, Curtain. L. Miner. 2,598,585, May 27.
Stretcher, Carpet. J. C. Owens. 2,606,743, Aug. 12.
Stretcher, Curtain. W. Jungjohann. 2,604,725, July 29.
Stretcher, Curtain. F. R. Ruby. 2,588,661, Mar. 11.
Stretcher, Curtain. K. J. Unwin. 2,588,332, Mar. 4.
Stretcher, Clothesline. R. R. Scofield. 2,599,134, June 3.
Stretcher, Collapsible. I. C. Klingler. 2,596,250, May 13.
Stretcher, Curtain. A. E. Garner and P. W. Getschman. 2,598,779, June 3.
Stretcher device for fabrics. J. Dungler. 2,619,703, Dec. 2.
Stretcher, Finger ring. E. G. Henry. 2,600,163, June 10.
Stretcher support. W. F. Riemvis. 2,599,863, June 10.
Stretching the cloth web in weft direction in looms. H. Bechter. 2,594,846, Apr. 29.
Stretching tool. S. R. Dummer. 2,588,501, Mar. 11.
Strictly limited separation of mixtures by the speed of fall in liquid media, Process of and apparatus for. T. Eder. 2,610,737, Sept. 16.
Strike. A. Schoepe. 2,613,096, Oct. 7.
Strike plate. C. I. Snyder. 2,604,347, July 22.
Striker for igniters. C. D., A. J., and C. Schermuly. 2,588,167, Mar. 4.
Striking element for golf club practice. R. and J. W. Abrecht. 2,606,027, Aug. 5.
Striking lugs of headed form from a metal sheet. B. J. Voslamber. 2,590,807, Mar. 25.
String holding key for musical instruments. G. A. Finder. 2,583,478, Jan. 22.
String instrument. F. Machálek. 2,614,449, Oct. 21.
String mounted bow deflector. B. C. Roemer. 2,617,402, Nov. 11.
String retainer and cutter structure, Combined. F. P. Upton. 2,605,542, Aug. 5.
Stringer and carrier for fish, game, or other objects. A. C. Budy. 2,592,389, Apr. 8.
Strip applying device. R. H. Holmwood and P. A. Hauck. 2,615,492, Oct. 28.
Strip burster. J. T. Davidson. 2,618,336, Nov. 18.
Strip casting machine. H. L. Horn. 2,584,704, Feb. 5.
Strip centering device for punch presses. E. C. Horton. 2,605,842, Aug. 5.
Strip film holder and guide, Combination. E. D. Parsons. 2,605,685, Aug. 5.
Strip holder. P. D. Macripo. 2,591,844, Apr. 8.
Strip lifting device for pickling tanks. D. A. McArthur. 2,594,192, Apr. 22.
Strip material dispensing and applying device. E. J. Leger. 2,586,835, Feb. 26.
Strip tensioning apparatus. G. J. Abbott. 2,622,844, Dec. 23.
Strip threading apparatus. J. D. Keller. 2,581,026, Jan. 1.
Strip winding spool. F. R. Schulz. 2,615,642, Oct. 28.
Strippably mounting paper on a wall panel and product. H. Meyer and B. M. Walkey. 2,609,504, Aug. 26.
Stripper and cleaner for meat tenderizing machines. A. L. Jackson. Re. 23,506, May 27.
Stripper for subdivided catalyst particles. L. C. Huff. 2,607,662, Aug. 19.
Stripper guide for rolling mills. A. J. Pella. 2,617,320, Nov. 11.
Stripper mechanism for encapsulating machines. R. E. Moule. 2,581,874, Jan. 8.
Stripping film and stripping. J. Q. Umberger. 2,615,807, Oct. 28.
Stripping photographic emulsions. J. Q. Umberger and A. W. Grumbine. 2,609,290, Sept. 2.
Stripping tissue. W. G. Alexewicz, L. Plotin, and R. F. McGraw. 2,606,130, Aug. 5.
Stripping volatiles from fluids, Method and apparatus for. D. K. Dean and F. B. White. 2,615,833, Oct. 28.
Stripe applicator, Electrically conductive. J. Kallenborn. 2,597,106, May 20.
Striped, creped cellulose fabrics without moiré effect. E. Weiss and K. Risch. 2,607,655, Aug. 19.
Striping machine for electric conductors and the like. G. E. Forsberg. 2,592,674, Apr. 15.
Striping machine for strand material. G. E. Forsberg. 2,592,675, Apr. 15.
Stroboscope. E. L. Thomas. 2,593,501, Apr. 22.
Stroke control mechanism. M. R. Sheen. 2,587,395, Feb. 26.
Stroke variation device for winding machines. H. P. Fry, Jr. 2,586,020, Feb. 19.
Stroller, Child's. P. L. Barker. 2,593,962, Apr. 22.
Strongly basic anion-exchange polymers of vinylanisole. J. C. H. Hwa. 2,597,494, May 20.
Strongly basic anion-exchange resins. G. W. Bodamer. 2,597,440, May 20.
Stropping device for razor blades and the like. N. D. Nilson. 2,619,780, Dec. 2.
Structural beam end connection. G. D. Fish. 2,588,225, Mar. 4.
Structural element. B. E. Del Mar and P. L. Smith. 2,608,500, Aug. 26.
Structural element for caskets. A. R. Christian. 2,618,835, Nov. 25.
Structural form of slide rules. A. F. Eckel. 2,615,630, Oct. 28.
Structural frame foundation. H. S. Shannon. 2,610,710, Sept. 16.
Structural glass article. G. B. Watkins. 2,618,959, Nov. 25.
Structural member. G. I. Goodwin. 2,605,867, Aug. 5.
Structural panel forming machine. C. C. Sachs. 2,614,949, Oct. 21.
Structural photographic arrangement for obtaining three-dimensional images. V. Hudeley. 2,599,454, June 3.
Structure. D. A. and P. E. Wallace. 2,590,588, Mar. 25.
Structure and internal shielding of electron tubes. H. K. Ishler. 2,601,528, June 24.
Structure for airplane wings. R. A. Robert. 2,618,448, Nov. 18.
Structure for drilling wells in deep water. M. H. Parks. 2,591,599, Apr. 1.
Structure for supporting folded garments within a transportation container. P. H. Simonsen. 2,597,904, May 27.
Structures involving particles or mineral granules treated with organic silicon compounds and making. H. B. Keene, D. A. Anderson, and P. H. Aldrich. 2,595,465, May 6.
Stub axle or the like hinged assembly. K. R. Funnell. 2,613,091, Oct. 7.
Stud driver. E. P. Saunders. 2,613,942, Oct. 14.
Stud driver and puller. E. P. Saunders. 2,613,565, Oct. 14.
Stud extractor. T. W. and F. F. Royer. 2,600,924, June 17.
Stud feeding machine. J. Evasic. 2,595,065, Apr. 29.
Stud for sheet metal construction. C. Mattio. 2,622,468, Dec. 23.

Stud remover and drier. D. Vanden Bos and A. P. Brechting. 2,622,466, Dec. 23.
Stud stamping machine. S. Straty. 2,591,473, Apr. 1.
Studio background. E. L. Hilchey. 2,591,068, Apr. 1.
Studying earth formations employing acetylene as a tracer gas. D. C. Bond and M. Savoy. 2,589,219, Mar. 18.
Stuff treatment apparatus. C. E. Roberson. 2,581,143, Jan. 1.
Stuffing box. H. J. Everett. 2,608,424, Aug. 26.
Stuffing box. E. M. Howard. 2,587,474, Feb. 26.
Stuffing box assembly. W. F. Delametter. 2,594,134, Apr. 22.
Stump lifter attachment for tractors. A. W. Craver. 2,618,871, Nov. 25.
Stump saw angling beam and self-propelling and steering attachment. F. Gregson. 2,613,698, Oct. 14.
Stylus assembly for facsimile machines. A. G. Cooley. 2,615,780, Oct. 28.
Stylus assembly for facsimile recorders. G. H. Ridings and J. H. Hackenberg. 2,607,654, Aug. 19.
Stylus for graphic recording. F. Krahulec. 2,582,043, Jan. 8.
Stylus reset mechanism for facsimile machines. A. G. Cooley. 2,622,001, Dec. 16.
Stylus structure for recorders. H. A. Stamper. 2,593,068, Apr. 15.
Styrenated oil, styrene oxide-phenol resin, drying oil coating composition. P. E. Marling. 2,598,644, May 27.
Styrenated oil-tall oil vinyl esters coating compositions. P. E. Marling. 2,603,611, July 15.
Styrenated products. R. W. H. Tess, R. H. Jakob and T. F. Bradley. 2,596,737, May 13.
Styrenated-unsaturated oil modified alkyd, drying oil, and a phenol-styrene oxide resin coating composition. P. E. Marling. 2,598,645, May 27.
Styrene-acrylic acid compolymers reacted with polymeric 4-vinylcyclohexene diepoxide. G. H. Segall and J. F. C. Dixon. 2,604,457, July 22.
Styrene-alkyd resin copolymer. P. E. Marling. 2,606,161, Aug. 5.
Styrene compounds, Manufacture of. F. E. Salt, W. Webster, and E. Galitzenstein. 2,609,403, Sept. 2.
Styrene copolymer mixtures. W. H. Smyers and D. W. Young. 2,610,962, Sept. 16.
Styrene copolymers. J. J. Sleightholme. 2,586,571, Feb. 19.
Styrene drying-oil copolymers. J. J. Sleightholme. 2,586,572, Feb. 19.
Styrene lacquer for decalcomania produced from the same. B. J. Cagan, W. Burroughs, and R. Silverstein. 2,603,618, July 15.
Styrene-maleic copolymers, Preparation of. S. P. Rowland. 2,606,891, Aug. 12.
Styrene-monoalkyl maleate-polyvinyl alcohol interpolymers emulsion adhesive and preparing same. M. E. Cameron. 2,612,486, Sept. 30.
Styrene-polyester copolymer for photo-elastic studies. H. F. Winter, N. C. Foster, and M. M. Leven. 2,583,150, Jan. 22
Styryl photographic filter and antihalation dyes. R. H. Sprague. 2,622,082, Dec. 16.
Subcutaneous medication. J. W. Lee, H. E. Martin, and W. M. Alexander. 2,622,597, Dec. 23.
Subdivided coded railway track circuit. H. G. Blosser. 2,590,924, Apr. 1.
Sublimation apparatus. E. W. Flosdorf and L. W. Hull. 2,608,472, Aug. 26.
Sublimation process and apparatus. E. W. Flosdorf. 2,602,825, July 8.
Submarine anchorage. J. M. Page, Jr., and V. Voorhees. 2,583,965, Jan. 29.
Submarine cable overcurrent protective device. P. H. Wells and C. H. Cramer. 2,611,032, Sept. 16.
Submarine drilling and pumping apparatus. W. Wiggins, Jr. 2,614,803, Oct. 21.
Submarine foundation and erecting. W. A. Hunsucker. 2,612,024, Sept. 30.
Submarine signaling device. I. S. Rafuse. 2,589,135, Mar. 11.
Submerged drive line conveyer for floor trucks. E. W. McCaul and S. W. Jessop. 2,621,609, Dec. 16.
Submerged flame burner. N. Swindin. 2,594,234, Apr. 22.
Submergible drilling barge. J. T. Hayward. 2,612,759, Oct. 7.
Submersible burner. N. Swindin. 2,611,362, Sept. 23.
Submersible deepwater drilling apparatus. C. T. Samuelson. 2,589,146, Mar. 11.
Submersible electric motor. S. A. Smith. 2,600,277, June 10.
Subscription television system. N. W. Aram. 2,623,941, Dec. 30.
Subscription type signaling system. F. W. Crotty and E. M. Roschke. 2,612,552, Sept. 30.
Subsoil breaker. C. V. Edwards. 2,582,482, Jan. 15.
Substantially infusible nitrogenous resins and producing same. G. K. Vogelsang. 2,594,601, Apr. 29.
Substitute unit for circuit testing and grounding. H. Krida. 2,600,304, June 10.
Substituted benzimidazoles. E. L. Ringwald and A. B. Craig. 2,623,879, Dec. 30.
Substituted cyclohexanes, Preparing. J. E. Wicklatz and J. N. Short. 2,601,075, June 17.
Substituted cyclopentenones, Preparation of. A. F. Bowles. 2,623,071, Dec. 23.
Substituted hydroxy aromatic compounds, Producing. D. R. Stevens. 2,603,662, July 15.
Substituted pentanediols and derivatives thereof. C. W. Smith. 2,600,275, June 10.
Substituted phthalocyanines and preparing the same. W. O. Jones. 2,604,476, July 22.
Substituted pyridines, Production of. J. E. Mahan. 2,615,022, Oct. 21.
Substituted thickener lubricating grease. A. F. Sirianni and I. E. Puddington. 2,583,603, Jan. 29.
Substituted thioureas as dyestuff intermediates. H. G. Darbyshire. 2,616,894, Nov. 4.
Substitution chlorination of aromatic compounds with liquid chlorine. F. E. Lawlor. 2,608,591, Aug. 26.
Subsynchronous intermittent-voltage apparatus. D. J. Reynolds. 2,583,158, Jan. 22.
Subway and train seat indicator. C. Heinc. 2,598,792, June 3.
Successively operated independent actuator tens transfer mechanism. E. K. Grip. 2,591,064, Apr. 1.
Sucker rod guide. W. F. Ward. 2,604,364, July 22.
Sucker rod rotator. B. O. Cremeens. 2,603,098, July 15.
Sucking in the boundary layers, on the surfaces of reaction jet flying machines. M. Roy. 2,587,227, Feb. 26
Suction accessory system and crankcase ventilator. A. Rappl. 2,603,944, July 22.
Suction and flushing massage device. D. Beatman. 2,612,892, Oct. 7.
Suction apparatus for cleaning rooms. H. F. Jackson. 2,609,190, Sept. 2.
Suction box connection to manifold. S. M. Bratton. 2,608,913, Sept. 2.
Suction box cover. J. P. Van Ryzin. 2,618,206, Nov. 18.
Suction cleaner. O. Berg. 2,594,281, Apr. 29.
Suction cleaner. D. C. Gerber. 2,581,949, Jan. 8.
Suction cleaner. D. C. Gerber. 2,587,991, Mar. 4.
Suction cleaner. D. C. Gerber. 2,608,268, Aug. 26.
Suction cleaner. D. C. Gerber, F. A. Martin, and E. L. Snyder. 2,594,416, Apr. 29.
Suction cleaner. G. E. Lofgren. 2,580,644, Jan. 1.
Suction cleaner. D. G. Smellie. 2,580,615, Jan. 1.
Suction cleaner. D. G. Smellie. 2,581,974, Jan. 8.
Suction cleaner. D. G. Smellie. 2,605,857, Aug. 5.
Suction cleaner. H. B. White. 2,580,630, Jan. 1.
Suction cleaner. E. H. Yonkers, Jr. 2,587,565, Feb. 26.
Suction cleaner adapted to carry cleaner tools. C. P. Benjamin. 2,608,709, Sept. 2.
Suction cleaner bag. E. C. Binggely. 2,620,045, Dec. 2.
Suction cleaner belt detacher. C. Frere and F. T. Grothouse. 2,616,117, Nov. 4.
Suction cleaner clamp. E. F. Martinet and F. Koren. 2,602,685, July 8.
Suction cleaner construction. D. C. Gerber. 2,594,417, Apr. 29.
Suction cleaner hose. F. A. Martin. 2,597,806, May 20.
Suction cleaner nozzle adjustment and converter guide. W. A. Humphrey. 2,616,116, Nov. 4.
Suction cleaner nozzle with rocking lever type adjustable brush. W. H. McQuilkin. 2,597,808, May 20.
Suction cleaner runner and bracket assembly. A. P. Cawl. 2,612,380, Sept. 30.
Suction cleaner tool assembly. W. A. Humphrey. 2,619,671, Dec. 2.
Suction cleaner with agitator disconnect. W. A. Humphrey. 2,601,698, July 1.
Suction cleaner with brush for cleaning walls. A. R. Hines. 2,588,000, Mar. 4.
Suction cleaner with means for automatically removing the dust container. R. C. Lampe. 2,582,046, Jan. 8.
Suction cleaner with self-retracting electrical cord. D. C. Gerber. 2,591,250, Apr. 1.
Suction cleaning apparatus. W. A. Ardito and J. Pickford. 2,582,219, Jan. 15.
Suction cup dispensing spout. B. F. Gassaway. 2,623,663, Dec. 30.
Suction device for steam radiators. H. E. Martindale and W. C. Gemuenden. 2,599,467, June 3.
Suction device with burner means for exterminating insects. C. Dillon. 2,608,023, Aug. 26.
Suction duster for Venetian blinds. E. C. Westhoff and J. J. Williams. 2,599,420, June 3.
Suction electrode. W. W. Welsh. 2,580,628, Jan. 1.
Suction end-catcher in ring spinning and twisting machines. C. Just. 2,583,840, Jan. 29.
Suction hydroextractor. C. Jellinek. 2,597,801, May 20.
Suction line liquid return trap. H. A. Phillips. 2,589,859, Mar. 18.
Suction massage device. F. Fluck. 2,590,527, Mar. 25.
Suction nozzle having nozzle area control and surface agitating means. N. C. Cuddeback. 2,619,660, Dec. 2.
Suction operated floor cleaning tool. F. K. Minerley. 2,607,067, Aug. 19.
Suction or fluid pressure gutter cleaning apparatus, including a fluid reversing valve. A. I. Brown. 2,623,234, Dec. 30.
Suction screen and foot valve. L. L. Hink. 2,597,728, May 20.
Suction telescope and mounting. J. N. Fender. 2,621,009, Dec. 9.
Suede material, Making stretchable. J. G. Harrison, Jr. 2,622,040, Dec. 16.

Sueded quarter linings. H. C. Levy. 2,619,441, Nov. 25.
Sugar cane diffusing apparatus. A. F. de la Calle. 2,581,175, Jan. 1.
Sugar cane juice clarifier. E. G. Koch. 2,593,036, Apr. 15.
Sugar cane mill. A. Bernard. 2,612,101, Sept. 30.
Sugar cane stubble digger. E. F. Pitre. 2,586,254, Feb. 19.
Sugar-coated processed cereals, Production of. C. H. Rettman. 2,607,691, Aug. 19.
Sugar crystallization. G. J. King. 2,591,704, Apr. 8.
Sugar crystallizing process. G. H. de Vries. 2,587,293, Feb. 26.
Sugar diffusing apparatus. J. P. Ruth. 2,590,578, Mar. 25.
Sugar mill housing. C. Provost. 2,599,125, June 3.
Suit, Bathing. E. McIlhinney. 2,583,865, Jan. 29.
Suitcase, Wheeled. G. H. and M. McIntyre. 2,596,578, May 13.
Sulfa derivatives of 2-amino-5-cycloalkyl-1,3,4-thiadiazoles. F. B. Zienty. 2,623,877, Dec. 30.
Sulfates of aminobenzoic diethylaminoethylamide. M. B. Moore and C. A. Stainbrook. 2,617,824, Nov. 11.
Sulfating polyvinyl alcohol. R. V. Jones. 2,623,037, Dec. 23.
Sulfathiazole preparation. T. F. Cleary, Jr. 2,592,859, Apr. 15.
Sulfathiazole, Preparing. T. F. Cleary, Jr. 2,592,860, Apr. 15.
Sulfation of alginic acid in alcoholic sulfuric acid. H. E. Alburn. 2,612,498, Sept. 30.
Sulfidation of minerals. H. A. Shabaker. 2,596,609, May 13.
Sulfite compounds of pyridine aldehydes. W. Mathes and W. Sauermilch. 2,620,342, Dec. 2.
Sulfite liquor treating processes and products. C. Uschmann. 2,585,977, Feb. 19.
Sulfonamide choline compounds and process. W. C. Gakenheimer. 2,603,641, July 15.
Sulfonamide composition. K. L. Mourer and L. E. Harris. 2,582,147, Jan. 8.
Sulfonamide salts of thiosemicarbazide derivatives. R. Behnisch, F. Mietzsch, and H. Schmidt. 2,605,262, July 29.
Sulfonamides formed by amidation of chlorosulfonated polyethylene. H. W. Bradley. 2,615,000, Oct. 21.
Sulfonamido alpha aroylamino derivatives of anthraquinone compounds. W. Kern, P. Sutter, and T. Holbro. 2,586,233, Feb. 19.
Sulfonamido compounds. W. Friedrichsen. 2,603,639, July 15.
Sulfonanidostyrenes. J. B. Dickey and T. E. Stanin. 2,618,655, Nov. 18.
Sulfonated alkenyl aromatic resins, Production of. H. H. Roth. 2,604,461, July 22.
Sulfonated copper phthalocyanine dye, Preparation of. J. J. Chechak and C. F. H. Allen. 2,600,377, June 17.
Sulfonated N-substituted aminoanthroquinones. S. von Allmen and H. Eggenberger. 2,616,900, Nov. 4.
Sulfonated phenolic resins, Preparation of. D. E. Nagy. 2,621,164, Dec. 9.
Sulfonated phenyl alkane detergents and producing same. W. H. Clausen. 2,597,834, May 20.
Sulfonating 1-aminoanthraquinones. P. Grossmann. 2,581,016, Jan. 1.
Sulfonating polystyrene. R. Signer. 2,604,456, July 22.
Sulfonation with sulfur trioxide. H. E. Mammen and G. L. Herbert. 2,616,936, Nov. 4.
Sulfonic acids, Production of. H. G. H. Erdtman. 2,623,881, Dec. 30.
Sulfonyl halides from sulfenyl halides, Producing. W. A. Proell and W. B. Chilcote. 2,598,013, May 27.
Sulfur colors of the dioxazine series and preparing the same. G. B. Robbins. 2,600,690, June 17.
Sulfur-containing activated carbon, Preparation of a. B. W. Gamson. 2,585,454, Feb. 12.
Sulfur-containing carboxylic acids, Preparing. J. T. Gregory and J. E. Jansen. 2,602,816, July 8.
Sulfur-containing polycarboxylic acids. J. T. Gregory and J. E. Jansen. 2,602,815, July 8.
Sulfur dioxide and sulfur burner, Producing. L. N. Allen, Jr. 2,622,007, Dec. 16.
Sulfur dioxide, Production of. W. K. Lewis. 2,608,467, Aug. 26.
Sulfur free water gas, Production of. F. T. Bar. 2,614,038, Oct. 14.
Sulfur halide derivatives of dihydroanthraquinone. H. Z. Lecher and K. C. Whitehouse. 2,616,902, Nov. 4.
Sulfur recovery. B. W. Gamson. 2,594,149, Apr. 22.
Sulfur recovery. M. J. Udy. 2,619,407, Nov. 25.
Sulfur recovery apparatus. C. A. Porter and M. M. Marisic. 2,617,717, Nov. 11.
Sulfuric acid esters of hyaluronic acid and the production thereof. Z. Hadidian. 2,599,172, June 3.
Sulfuric acid recovery. R. H. Felter. 2,593,128, Apr. 15.
Sulfurized additives for lubricating compositions. A. D. Kirshenbaum and J. M. Boyle. 2,613,183, Oct. 7.
Sulfurized condensation products. L. E. Beare, M. P. Kleinholz, and W. S. Hoock. 2,619,482, Nov. 25.
Summary card punch and collator. J. W. Bryce. 2,603,416, July 15.
Sump for internal-combustion engines for motor vehicles. D. Giacosa. 2,618,351, Nov. 18.
Sundial and compass. F. P. Upton. 2,594,600, Apr. 29.
Sundial and nocturnal celestial timepiece. D. Thomson. 2,582,179, Jan. 8.
Sunglasses. W. A. Mendelsohn. 2,582,554, Jan. 15.
Sunglasses, Novel type of. M. F. Kidzus and M. M. Kaye. 2,613,354, Oct. 14.
Sunshade. W. J. van Gelder and H. P. Stevens. 2,589,647, Mar. 18.
Sunshade, Aluminum louver. R. E. Shaw. 2,602,971, July 15.
Sun shade and clothes drier, Combination. H. L. Griffin. 2,599,513, June 3.
Sunshade and clothes drier, Combination. H. L. Griffin. 2,616,570–1, Nov. 4.
Sunshade and other auxiliary spectacles. W. C. Ehlert and F. J. Schneider, Jr. 2,584,000, Jan. 29.
Sunshade and wind guard, Combined. J. J. and J. P. McGerry. 2,619,101, Nov. 25.
Sun shield. I. Sors and A. Abrahamson. 2,620,472, Dec. 9.
Sun shield and storm shield. G. S. Berman. 2,605,777, Aug. 5.
Sun visor. M. E. Beauchamp. 2,620,222, Dec. 2.
Sun visor. E. G. Zeeb. 2,610,085, Sept. 9.
Sun visor attachable receptacle. K. J. Nahoom. 2,617,573, Nov. 11.
Sun visor, Automobile. J. P. Plevak and A. Chapko. 2,621,071, Dec. 9.
Sun visor for automobiles. W. A. Bracken. 2,588,694, Mar. 11.
Sun visor for motor vehicles. W. F. Branch. 2,599,809, June 10.
Superbodied oils, Production of. J. A. Arvin. 2,607,784, Aug. 19.
Supercharged inter-combustion engine. H. R. Ricardo. 2,583,882, Jan. 29.
Supercharger for internal-combustion engines. J. H. Sammons. 2,594,686, Apr. 29.
Supercharging and fuel heating system for internal-combustion engines. A. Taub. 2,582,916, Jan. 15.
Superheater baffling. W. S. Patterson and E. M. Powell. 2,614,544, Oct. 21.
Superheater control. M. Frisch. 2,593,435, Apr. 22.
Superheater control. L. J. Marshall. 2,600,895, June 17.
Superheater element with trifurcate groups. A. P. J. Huet. 2,608,390, Aug. 26.
Superheating and reheating of vapor. J. D. Kuppenheimer. 2,602,433, July 8.
Superheating titanium tetrachloride. H. H. Schaumann. 2,614,028, Oct. 14.
Superheterodyne radio receiver employing a multifunction tube. E. D. Phinney and A. H. Reeves. 2,597,029, May 20.
Superheterodyne receiver. J. L. Arends. 2,611,083, Sept. 16.
Superheterodyne receiver for very short waves. A. van Weel. 2,591,982, Apr. 8.
Superheterodyne receiver with automatic frequency control. F. A. de Groot. 2,595,931, May 6.
Superheterodyne receiving circuit. J. H. van Wageningen. 2,596,624, May 13.
Supernatant liquor strainers for sludge digestion tanks. R. B. Carter, Jr. 2,616,846, Nov. 4.
Superopaque enamel. B. Kopelman and E. Wainer. 2,588,250, Mar. 4.
Superregenerative detector. J. C. Tellier. 2,614,216, Oct. 14.
Superregenerative microwave receiver. L. K. Neher. 2,599,933, June 10.
Superregenerative receiver. B. D. Loughlin. 2,588,021, Mar. 4.
Superregenerative receiver. B. D. Loughlin. 2,617,928, Nov. 11.
Superregenerative superheterodyne wave-signal receiver. B. D. Loughlin. 2,588,022, Mar. 4.
Superregenerative superheterodyne wave-signal receiver. B. D. Loughlin. 2,623,166, Dec. 23.
Superregenerative system for receiving angular-velocity-modulated wave signals. D. Richman. 2,613,315, Oct. 7.
Superregenerative type of wave-signal translating system. H. Wood, F. C. Williams and J. R. Whitehead. 2,617,020, Nov. 4.
Supersonic inspection. F. A. Firestone. 2,592,134, Apr. 8.
Supersonic test device. R. A. McConnell. 2,612,772, Oct. 7.
Supersonic testing apparatus. R. A. McConnell. 2,618,968, Nov. 25.
Supersonic treatment of battery materials. G. Hunrath. 2,613,877, Oct. 14.
Supervisory control system for filming television and other pictures. L. L. Gordon. 2,615,088, Oct. 21.
Supervisory control system safeguard. L. R. Breese and H. H. Brewer. 2,616,959, Nov. 4.
Supervisory device both for comparatively small and comparatively large voltage variations. C. L. van Weynsbergen. 2,601,473, June 24.
Supplemental air supply mechanism for automotive engines. F. M. Laserson. 2,584,033, Jan. 29.
Supplemental equipment for pumping wells. D. E. Carlin and C. K. Holt. 2,604,850, July 29.
Supplemental support for assembling ply material bands. M. Engler. 2,609,311, Sept. 2.

Supplemental throttle controlling device. A. V. T. Houser. 2,590,320, Mar. 25.
Supplemental top for automobiles. W. Urich. 2,596,309, May 13.
Supplementary fixture support. G. D. Smith. 2,612,273, Sept. 30.
Supplementary fluid feed device with automatic tandem metering valves. D. E. Anderson. 2,611,594, Sept. 23.
Supplementary fuel. M. S. Roush. 2,603,557, July 15.
Supply of fuel to gas turbine engines. C. H. L. Wynne. 2,604,149, July 22.
Supply of heat to fluidized solids beds for the production of fuel gas. C. E. Hemminger. 2,619,415, Nov. 25.
Supply roll tension in a measuring instrument. G. W. Barnes, Jr. 2,612,323, Sept. 30.
Supply voltage variation compensation. S. C. Hoare. 2,599,258, June 3.
Supplying auxiliary fuel or antiknock fluid to internal-combustion engines, Method and apparatus for. E. Bartholomew. 2,616,404, Nov. 4.
Supplying rubber rings to tools. H. Weekes. 2,598,325, May 27.
Support: *See*—
- **Adjustable cardholder support.**
- Adjustable dampening bearing support.
- **Adjustable electrode support.**
- Adjustable gate support.
- **Adjustable mirror support.**
- Adjustable power-driven tool support.
- Adjustable roll support.
- **Adjustable support.**
- Adjustable umbrella support.
- Apparel support.
- Arch support.
- **Automobile awning support.**
- Bearing support.
- **Bedclothes support.**
- Bedcover support.
- **Bedspring support.**
- Bedding support.
- **Bicycle basket support.**
- Bird cage support.
- **Blast furnace support.**
- **Boiler and furnace wall support.**
- **Bust support.**
- Camera support.
- Catalyst support.
- Ceramic tile support.
- **Clothesline support.**
- Coaxial line support.
- **Combination fishing rod support.**
- Conveyer belt support.
- **Copyholder paper support.**
- **Curtain hook support.**
- Cycle saddle support.
- Doll eye support.
- **Electric heating pad support.**
- Electric motor support.
- Filament support.
- File support.
- Fishing rod support.
- **Flatiron support.**
- Flexible mattress support.
- Foot support.
- Funnel support.
- Garbage can support.
- Garment drying rack support.
- Garment support.
- Glare shield support.
- **Golf bag support.**
- Hanging support.
- **Helicopter engine-rotor support.**
- **Hydraulically reinforced spring seat support.**
- **Ice cube support.**
- Island strip support.
- Key support.
- Ladder support.
- **Lathe chuck support.**
- Laundry iron support.
- Level tube support.
- **Mailbox support.**
- Milk can support.
- **Mirror support.**
- **Mop and broom bracket support.**
- Motor support.
- **Motor vehicle road map support.**
- Movable book support.
- **Multiple centering support.**
- **Multiple coat hanger support.**
- Oar support.
- Packing ring support.
- **Pad support.**
- Pallet support.
- Paper roll support.
- **Piepan support.**
- Pipe support.
- Plant support.
- **Plate type heat exchanger support.**
- Platen roller support.
- Pneumatic arch support.
- **Portable elevator support.**
- **Poultry roost support.**
- **Pressure cooker cover support.**
- Reed support.
- **Refuse can support.**
- **Resilient bag support.**
- **Rocking support.**
- **Rolling mill coupling box support.**
- **Rotary blower support.**
- Rotor blade support.
- Rub-board bridle support.
- **Scaffold support.**
- Seat or mattress support.
- Shelf support.
- Shirt collar support.
- Solenoid coil support.
- Spring support.
- Steerable trailer support.
- Stretcher support.
- **Supplementary fixture support.**
- Telephone handset support.
- **Telescopic hydraulic mine roof support.**
- Tiltable umbrella support.
- Tool support.
- **Torsional support.**
- **Transmission line support.**
- Tree support.
- **Truck chassis support.**
- Typewriter carriage control means support.
- **Typewriter support.**
- Vacuum cleaner support.
- Vehicle body support.
- **Vehicle wheel support.**
- Vibration isolating support.
- Wheel shield support.
- Wrist watch support.
- Yarn package support.

Support. R. D. Ananson. 2,610,014, Sept. 9.
Support. H. S. Beck. 2,603,394, July 15.
Support. J. S. Charipar. 2,607,554, Aug. 19.
Support. J. J. Kennedy. 2,586,543, Feb. 19.
Support and connection for steam turbine and condenser installations. C. D. Wilson. 2,603,953, July 22.
Support and coupling mechanism for tractor drawn vehicles. R. H. Gorham. 2,621,940, Dec. 16.
Support and shackle for fowl. J. H. Wunderlich. 2,584,377, Feb. 5.
Support and stripper. W. A. Erhardt, Jr. 2,612,281, Sept. 30.
Support device for pipes or the like. J. Kohler. 2,618,449, Nov. 18.
Support for archery equipment. B. Pearson. 2,593,789, Apr. 22.
Support for artificial teeth. L. Pentel. 2,583,156, Jan. 22.
Support for containers of pastelike substances having fluid pressure means for dispensing said substances. J. L. Taylor. 2,593,362, Apr. 15.
Support for cooking utensils. H. J. Block. 2,593,003, Apr. 15.
Support for cornices and Venetian blinds. B. B. Junkunc. 2,616,495, Nov. 4.
Support for cup type mop wringers. B. E. Rorem. 2,591,468, Apr. 1.
Support for disassembled sections of fly and similar rods. H. R. Zinn. 2,595,746, May 6.
Support for drying kitchen bowl covers. G. W. Crandall. 2,583,475, Jan. 22.
Support for eating utensils. A. M. Gray. 2,615,318, Oct. 28.
Support for fencing. D. Seebohm. 2,599,788, June 10.
Support for finger surgery, Adjustable. M. C. Smith. 2,612,891, Oct. 7.
Support for flatirons, Automatic. N. B. Wales. 2,596,314, May 13.
Support for fur neckpieces. L. E. Berglund. 2,582,308, Jan. 15.
Support for illuminated globe used on gasoline pumps. K. F. Smith. 2,614,207, Oct. 14.
Support for insulators. A. B. Bussmann. 2,621,881, Dec. 16.
Support for internal-combustion engines. A. A. Lombard. 2,587,345, Feb. 26.
Support for mattresses, Supplementary. L. Weiner. 2,616,100, Nov. 4.
Support for milking apparatus. H. B. Babson. 2,613,630, Oct. 14.
Support for motion-picture apparatus and the like. A. V. L. C. Debrie. 2,594,404, Apr. 29.
Support for mounting contact boxes in meter troughs, Detachable and adjustable. W. L. Espenschied. 2,598,521, May 27.
Support for musical instruments, Portable and collapsible. J. S. Tatar. 2,613,901, Oct. 14.
Support for oven burner assemblies. K. S. Jenson and W. N. Nelson. 2,600,656, June 17.
Support for primary galvanic cell electrolyte. P. S. Brooks and E. A. Schumacher. 2,597,118, May 20.
Support for rearview mirrors. G. Grosse. 2,616,649, Nov. 4.
Support for rotary and working platforms, Portable. A. A. Moore. 2,594,197, Apr. 22.
Support for rural mail boxes and the like, Name plate. S. Petersen. 2,607,141, Aug. 19.
Support for service trays. F. F. Tracy. 2,593,222, Apr. 15.
Support for shoes mounted upon lasts. F. Sbicca. 2,613,816, Oct. 14.
Support for tool frames on a lift type tractor, Adjustable. N. J. Hugger. 2,622,500, Dec. 23.
Support for use in treating textile material, Tiltable. C. Cochrane. 2,598,225, May 27.
Support for vehicle servicing lifts, Safety leg. J. J. Pelouch. 2,608,381, Aug. 26.
Support for X-ray cassettes, Universally adjustable. K. J. Fritz. 2,598,529, May 27.
Support frame assembly for seat beds. F. J. Mis. 2,601,682, July 1.
Support having ladder assembly, Wheeled. D. L. Gordon. 2,586,531, Feb. 19.
Supported adhesive sheet material unit and making the same. M. Seymour. 2,596,179, May 13.
Supported group VIII-carbon dehydrogenation catalyst. T. F. Doumani and R. F. Deering. 2,600,379, June 17.
Supported H_3PO_4 catalyst, Preparation of a. J. M. Mavity. 2,613,187-8, Oct. 7.
Supported phosphoric acid catalyst and its preparation. J. M. Mavity. 2,584,102, Feb. 5.
Supported phosphoric acid catalyst and manufacture. J. M. Mavity. 2,596,498, May 13.
Supported phosphoric acid catalyst containing a pitch resin binder and its preparation. M. S. Bielawski. 2,593,720, Apr. 22.
Supporting and adjusting draperies. D. R. Falkenberg. 2,598,522, May 27.
Supporting and content dispensing attachment for collapsible tubes. D. E. Marshall. 2,591,455, Apr. 1.
Supporting and operating stirrers for glass in a forehearth. E. T. Ross. 2,617,636, Nov. 11.
Supporting and projecting mechanism. C. H. Gerlach. 2,597,861, May 27.
Supporting arm for electrical fixtures. K. Versen. 2,617,619, Nov. 11.
Supporting and reinforcing structure for gas turbine engines. R. C. McLeod, G. B. R. Feilden, and J. Hodge. 2,614,386, Oct. 21.
Supporting and turning slip for pipe. W. E. Barber and G. H. Allen. 2,609,583, Sept. 9.
Supporting assembly for window coolers. E. Shapiro. 2,608,148, Aug. 26.

Supporting bracket for Venetian blind tilt rods. M. C. Rutledge. 2,620,026, Dec. 2.
Supporting clip. S. Skok. 2,590,277, Mar. 25.
Supporting device. E. Zakos. 2,603,357, July 15.
Supporting device for electrical heating appliances. H. L. Gordon. 2,595,243, May 6.
Supporting frame for headlamps, Arcuate elongated. E. L. Knight. 2,606,293, Aug. 5.
Supporting holder for container blanks. A. Schick. 2,604,021, July 22.
Supporting hook for heddle bars. J. W. Hollingsworth. 2,584,585, Feb. 5.
Supporting means for acoustical absorbers. O. E. Grue, 2,610,695, Sept. 16.
Supporting means for articles such as typewriters and sewing machines. C. C. James. 2,589,393, Mar. 18.
Supporting means for bearing grinders. O. F. Tibbs. 2,599,954, June 10.
Supporting means for flexible conduits in hydraulic control means. W. A. Young and D. O. H. Miller. 2,619,888, Dec. 2.
Supporting means for girders or the like. J. W. Pratt. 2,608,370, Aug. 26.
Supporting means for hinged covers. G. W. Lyons, Jr., and J. M. Lyons. 2,603,819, July 22.
Supporting means for roller identification devices. W. P. Osgood. 2,599,278, June 3.
Supporting means for sheet material. A. C. Hoven and W. E. Nordmark. 2,599,918, June 10.
Supporting means for vacuum electrodes. C. F. Robinson. 2,581,446, Jan. 8.
Supporting rack. A. H. Bates. 2,606,671, Aug. 12.
Supporting stand for optical instruments. M. Engelmann. 2,604,815, July 29.
Supporting structure for electron discharge devices. N. Kafka. 2,593,034, Apr. 15.
Supporting structure for gas turbine power plants. G. B. R. Feilden. 2,614,385, Oct. 21.
Supporting structure for insulators. D. D. Harding. 2,592,031, Apr. 8.
Supporting truss members for cycle saddles. H. E. Kalter. 2,612,206, Sept. 30.
Suppository. W. G. Stevenson and W. E. MacKinnon. 2,584,166, Feb. 5.
Suppository injector. C. H. Hunter. 2,589,388, Mar. 18.
Suppository package. M. W. Percopo. 2,612,261, Sept. 30.
Suppressing steam and dust rising from coke being quenched, Method and apparatus for. M. I. Dorfan. 2,604,187, July 22.
Suppressing the corrosion of copper-containing alloys in the presence of ammonium salts. C. Phillips, Jr. 2,586,709, Feb. 19.
Suppressing the oxidation of CO to CO_2 in a fixed bed regenerator. A. V. Grosse. 2,600,360, June 10.
Suppression of proximity development with azine color developers. R. C. Gunther. 2,594,917, Apr. 29.
Suppression system. H. C. Storck. 2,605,480, July 29.
Surf board with an extensible keel member. D. M. Steele. 2,593,806, Apr. 22.
Surface-active compounds. R. A. Henry. 2,584,701, Feb. 5.
Surface-atomizer. A. Sher and D. Vet. 2,613,999, Oct. 14.
Surface bolt. D. H. Keeler. 2,620,213, Dec. 2.
Surface broach. W. J. Phaneuf. 2,585,832, Feb. 12.
Surface coating material. D. Aelony. 2,608,538, Aug. 26.
Surface control system. C. Schultz and S. Avena. 2,585,411, Feb. 12.
Surface covering material. F. Washburn. 2,615,210, Oct. 28.
Surface covering materials. H. Derman. 2,596,377, May 13.
Surface covering sheet and making the same. W. Rowe and S. A. Cohen. 2,620,319, Dec. 2.
Surface discharge spark plug. W. R. Smits. 2,592,754, Apr. 15.
Surface drain. M. A. Sisk. 2,607,434, Aug. 19.
Surface finish gauging device. G. W. Gray. 2,618,965, Nov. 25.
Surface finishing machine. A. P. Robinson. 2,603,919, July 22.
Surface generation of seismic waves. R. F. Simon and S. N. Heaps. 2,586,731, Feb. 19.
Surface grinder. H. T. Rutherford. 2,598,020, May 27.
Surface grinder for mill housings and the like. D. J. Donato. 2,581,244, Jan. 1.
Surface grinding machine. J. Selby. 2,611,220, Sept. 23.
Surface hardening machine. R. J. Clarcq and C. E. Ernst. 2,617,643, Nov. 11.
Surface hardening of metal articles. T. M. I. Norén. 2,623,836, Dec. 30.
Surface having low adhesion to ice. R. Smith-Johannsen. 2,617,269, Nov. 11.
Surface marking system for aircraft runways. M. A. Garbell. 2,609,437, Sept. 2.
Surface mounted closure remover with cover. M. Famely. 2,591,527, Apr. 1.
Surface pipe bracing and centering means. A. B. Johnson. 2,584,022, Jan. 29.
Surface reflection modifying solutions. H. R. Moulton and E. D. Tillyer. 2,584,905, Feb. 5.
Surface test indicator. G. C. Welch. 2,621,413, Dec. 16.
Surface treating apparatus. L. H. Bishop and J. S. Finn. 2,597,434, May 20.
Surface treating appliance having an adjustable brush head. R. S. McWatters. 2,618,802, Nov. 25.
Surface treating device. M. Pisani and E. L. Hansen. 2,622,563, Dec. 23.
Surface treatment of germanium circuit elements. R. D. Heidenreich. 2,619,414, Nov. 25.
Surface treatment of magnesium and magnesium alloy articles. E. F. Fischer. 2,613,165, Oct. 7.
Surface treatment of molded material. J. J. Strobel. 2,583,024, Jan. 22.
Surface treatment of molds. F. O. Traenkner. 2,618,032, Nov. 18.
Surfaced core material, Production of. V. H. Turkington and L. Shechter. 2,589,459, Mar. 18.
Surfaces for tinning, Preparing. F. T. Crego. 2,594,129, Apr. 22.
Surfaces of plastics coated with ink containing a chlorinated or chlorosulfonated polymer of ethylene. A. A. Pavlic. 2,618,574, Nov. 18.
Surfacing glass sheets or plates. G. E. Rickner and O. F. Koenig. 2,597,182, May 20.
Surfacing metal objects. J. W. Bolton and S. A. Welgand. 2,600,358, June 10.
Surfacing method and apparatus. M. A. Culling. 2,608,895, Sept. 2.
Surfacing of glass. A. Knaff. 2,623,332, Dec. 30.
Surfacing tool. F. R. Dewey. 2,598,765, June 3.
Surficially calcined natural carbonate catalyst, Preparation of a. B. B. Corson and G. A. Webb. 2,614,996, Oct. 21.
Surge absorbing chamber. G. G. Hebard. 2,600,001, Sept. 1.
Surge generator. D. E. Stearns. 2,594,595, Apr. 29.
Surge preventer. I. M. White. 2,585,524, Feb. 12.
Surge valve. H. M. Purcell. 2,581,290, Jan. 1.
Surgeon's prethreaded needle holder. J. Tauber. 2,588,589, Mar. 11.
Surgeon's rubber glove, Powder lubricated. C. A. Thomas, P. Logue, and M. G. Seelig. 2,621,333, Dec. 16.
Surgical abdominal retractor. I. O. Barlow and C. F. Mason. 2,623,517, Dec. 30.
Surgical apparatus. B. L. Crew. 2,610,630, Sept. 16.
Surgical apparatus for intestinal intubation. J. W. Devine, Jr. 2,614,563, Oct. 21.
Surgical appliance. A. R. Graham. 2,586,940, Feb. 26.
Surgical device. L. J. Larson. 2,581,114, Jan. 1.
Surgical drain. F. J. Wallace. 2,618,271, Nov. 18.
Surgical drainage collection belt. R. B. Magee. 2,612,895, Oct. 7.
Surgical drainage tube. D. J. Calicchio. 2,593,980, Apr. 22.
Surgical dressing. U. Pohjola. 2,595,606, May 6.
Surgical exploring and operating device. R. Fossati. 2,583,937, Jan. 29.
Surgical forceps or clamp. E. E. English. 2,618,268, Nov. 18.
Surgical lighting. H. L. Logan. 2,590,191, Mar. 25.
Surgical pad. W. M. Scholl. 2,585,691, Feb. 12.
Surgical retractor, Table supported. D. P. Smith. 2,586,488, Feb. 19.
Surgical splint. W. H. Dietsch. 2,593,546, Apr. 22.
Surgical sponge and the preparation thereof. R. H. Sifferd and R. J. Schmitt. 2,610,625, Sept. 16.
Surgical suture. H. Goldberg. 2,591,063, Apr. 1.
Surgical suturing device. M. L. Skaller. 2,580,964, Jan. 1.
Surgical tissue collector device. S. A. Gladstone. 2,601,513, June 24.
Surgical tool for cutting graft skin. H. H. Stryker. 2,582,511, Jan. 15.
Surgical trephine. D. Kadesky. 2,598,060, May 27.
Surgical truss with adjustable pad. W. L. Conner. 2,608,970, Sept. 2.
Surgical tube, drain, and valve holder. M. Solomon. 2,606,555, Aug. 12.
Surprise display. G. E. Ditzler and M. B. Kovnat. 2,601,374, June 24.
Surtax registering and totalizing counter for telephony systems. R. Fässer. 2,598,244, May 27.
Surveying apparatus. H. J. F. Coe. 2,582,681, Jan. 15.
Surveying instrument tripod head. W. J. Buff. 2,614,780, Oct. 21.
Surveying of subsurface water tables. E. D. Rhoades. 2,605,637, Aug. 5.
Surveyor's level. M. J. Madison. 2,602,231, July 8.
Suspended air-heating furnace. W. A. Schultz. 2,582,071, Jan. 8.
Suspended assembly for seats or the like. M. Heller. 2,581,483, Jan. 8.
Suspended milker. C. A. Thomas. 2,610,609, Sept. 16.
Suspended railway. H. Fraser. 2,623,475, Dec. 30.
Suspended tie rack. A. D. Sweet. 2,598,315, May 27.
Suspended traveling blower for removing lint and the like from wall surfaces of textile mill rooms. R. T. Moore. 2,610,349, Sept. 16.
Suspender belt. R. E. Ellington. 2,587,126, Feb. 26.
Suspending arrangement for curtains. K. Tomášk. 2,589,585, Mar. 18.
Suspending boats from trailers. C. H. Holsclaw. 2,600,406, June 17.
Suspending filing system. R. A. E. Guichard. 2,623,527, Dec. 30.

Suspending lifeboats from gravity davits. A. Vreugdenhil. 2,618,702, Nov. 25.
Suspending pipe in boreholes. Method and apparatus for. M. H. Parks and M. R. Jones. 2,607,422, Aug. 19.
Suspension. J. P. Butterfield. 2,616,687, Nov. 4.
Suspension. L. J. Hexel. 2,606,021, Aug. 5.
Suspension arrangement for cathode-ray tubes. J. D. F. Green. 2,623,095, Dec. 23.
Suspension boom. E. C. Wilson. 2,603,362, July 15.
Suspension device for beds. R. H. Connally. 2,606,329 Aug. 12.
Suspension device for curtains, draperies, or the like. K. T. Irving. 2,588,243, Mar. 4.
Suspension device for thread guide lead of knitting machines. M. Vitek. 2,603,074, July 15.
Suspension device in sliding doors and the like. A. M. de Jong. 2,589,928, Mar. 18.
Suspension for railway trucks. R. N. Janeway. 2,584,880, Feb. 5.
Suspension for vehicles, Adjustable. J. P. Butterfield. 2,592,391, Apr. 8.
Suspension galvanometer and magnet assembly. A. D. Richardson. 2,599,661, June 10.
Suspension insulator for high-tension conductors. R. G. Bellezza and G. M. Ruoff. 2,587,587, Mar. 4.
Suspension lacing for protective helmets. A. L. Alesi. 2,617,988, Nov. 18.
Suspension liquid gas container. G. F. Sulfrian. 2,592,974, Apr. 15.
Suspension means for baby carriages and the like. S. B. Hendrickson. 2,605,098, July 29.
Suspension means for drive axles. H. G. Hansen. 2,592,893, Apr. 15.
Suspension means for vehicles. J. A. Gregoire. 2,616,686, Nov. 4.
Suspension mechanism for overhead swinging doors. J. A. McFarlane. 2,602,955, July 15.
Suspension mounting for the focusing device of cathode-ray tubes. D. Jackson. 2,591,820, Apr. 8.
Suspension polymerization employing phosphates of submicronic particle size. J. M. Grim. 2,594,913, Apr. 29.
Suspension system for vehicles. L. E. W. Montrose-Oster. 2,621,057–8, Dec. 9.
Suspension system for vehicles. M. Navarro and E. J. and A. E. Lloyet. 2,601,551, June 24.
Suspensions of polymeric chlorotrifluoroethylene. M. M. Sprung. 2,581,454, Jan. 8.
Suture gun. B. D. Mull. 2,611,366, Sept. 23.
Suture holder. G. O. Dean. 2,583,043, Jan. 22.
Suture holding spool. G. O. A. Kellogg. 2,618,442, Nov. 18.
Suture package. H. F. Zoller. 2,617,523, Nov. 11.
Suture package and method. J. O. Bower and J. P. Tarbox. 2,615,565, Oct. 28.
Suture package holder. S. Solowey. 2,590,799, Mar. 25.
Suture treatment and product. J. O. Bower. 2,615,450, Oct. 28.
Suturing device. D. P. Smith. 2,601,564, June 24.
Swab for tapered casing or tubing. H. J. Pankratz. 2,623,473, Dec. 30.
Swab holder. A. M. Rothbardt. 2,609,089, Sept. 2.
Swab holder and dispenser. A. M. Rothbardt. 2,615,562 Oct. 28.
Swabbing device with disposable swab. I. S. Kleiner 2,610,347, Sept. 16.
Swather. A. T. Lindquist. 2,609,650, Sept. 9.
Sway control means for lawn mowers. H. J. Stegeman. 2,615,293, Oct. 28.
Sweatband. S. G. Hoffman. 2,585,896, Feb. 12.
Sweatband for hats, Waterproof. R. J. Sailer. 2,584,094, Jan. 29.
Sweating torch for conduits. W. J. Granfield. 2,593,295, Apr. 15.
Sweep amplitude control for magnetically deflected cathode-ray tubes. G. L. Haugen. 2,602,902, July 8.
Sweep and range circuit. E. F. MacNichol, Jr. 2,597,353, May 20.
Sweep circuit. W. L. Gaines. 2,595,667, May 6.
Sweep circuit. W. L. Gaines. 2,602,890, July 8.
Sweep circuit. J. M. Lester and J. R. Wilkerson. 2,603,747, July 15.
Sweep compression for use of frequency modulation range equipment. M. V. Klebert, Jr. 2,598,702, June 3.
Sweepstick. L. R. Heim. 2,592,566, Apr. 15.
Sweepstick for looms and self-aligning bearing therefor. E. V. Dardani. 2,601,875, July 1.
Sweeper and blower, Combination. W. E. Grace. 2,601,695, July 1.
Sweeper, Carpet. R. W. Goodell. 2,587,038, Feb. 26.
Sweeper, Carpet. A. L. Le Febvre. 2,607,062, Aug. 19.
Sweeper mechanism, Bowling alley. H. S. and W. H. Johns. 2,591,265, Apr. 1.
Sweet corn on the cob selecting, trimming and packaging machine. G. H. Rogers. 2,580,599, Jan. 1.
Sweetening and stabilizing hydrocarbon oils. J. C. D. Oosterhout and T. C. Roddy, Jr. 2,621,147, Dec. 9.
Sweetening high-boiling petroleum distillates. J. H. Krause and T. B. Tom. 2,591,946, Apr. 8.
Sweetening hydrocarbon oils. J. H. Krause. 2,593,464, Apr. 22.
Sweetening process. E. Arundale and J. P. Thorn. 2,608,520, Aug. 26.
Swimming aid device. F. Loiselle. 2,620,495, Dec. 9.
Swimming appliance E. C. Lindgren. 2,593,821, Apr. 15.
Swimming pool. C. Hauber and R. J. Koupal. 2,617,764, Nov. 11.
Swimming race timer. W. Rath. 2,619,170, Nov. 25.
Swing. W. M. Bielby. 2,612,935, Oct. 7.
Swing and support therefor. R. A. St. Louis. 2,598,618, May 27.
Swing, Child's. L. W. Otis. 2,592,177, Apr. 8.
Swing, Double. M. W. Hunt. 2,580,920, Jan. 1.
Swing, Folding chair. K. A. Nelson. 2,600,675, June 17.
Swing hammer assembly. E. H. Keiper. 2,620,989, Dec. 9.
Swing, Horse simulated, C. J. Voelker. 2,586,277, Feb. 19.
Swing, Motor-driven child's. H. Z. Puscas. 2,609,031, Sept. 2.
Swing, Occupant propelled. C. E. and A. C. Petersen. 2,601,887, July 1.
Swing structure, Convertible. H. R. Robbins. 2,616,485, Nov. 4.
Swingably suspended electrically driven cutter device. E. Paskell. 2,623,439, Dec. 30.
Swinging drawbar hitch and standardizing unit. E. A. Moses. 2,622,890, Dec. 23.
Swinging flap for tenter-frame clips. K. Klopfer. 2,599,714, June 10.
Swinging gate valve mechanism. W. Harrower. 2,600,499, June 17.
Swirling and mixing sipping straw. P. L. Hartnett. 2,613,107, Oct. 7.

Switch: *See*—
- **Accelerator pedal switch.**
- Air actuated time delay control switch.
- Alarm switch.
- Altimeter switch.
- Arc preventing switch.
- Article operated switch.
- Automatic resetting overload switch.
- Automatic switch.
- **Automobile self-starter safety switch.**
- Ball game switch.
- Bin level switch.
- Blasting switch.
- Brake position controlled switch.
- Centrifugal switch.
- **Centrifugally operated switch.**
- Circuit breaker switch.
- Clock train periodic switch.
- Coin-actuated control switch.
- Combined magnetic and manual switch.
- Control switch.
- Crossbar switch.
- Current transformer short circuiting switch.
- Delayed-action electric switch.
- **Delayed-action switch.**
- Delayed electric mercury switch.
- Direction signal switch.
- Directional signal switch.
- Directional switch.
- Disconnecting switch.
- Door hinge operated switch.
- Door switch.
- Double pole snap switch.
- Double-throw clamp tight switch.
- Dual action ball switch.
- Electric centrifugal switch.
- **Electric flasher switch.**
- Electric heating switch.
- Electric mat switch.
- Electric power indicating switch.
- Electric safety switch.
- Electric switch.
- Electrical switch.
- Electromagnetic switch.
- Electromagnetically operable switch.
- Electronic stepping switch.
- Elevator car switch.
- Flexible shaft remote-control switch.
- **Flip-open disconnecting switch.**
- Float operated switch.
- Fluid controlled switch.
- Fluid pressure actuated switch.
- Glow discharge switch.
- High-voltage switch.
- Humidity selector switch.
- Hydraulic acceleration integrator switch.
- Hydraulic brake master cylinder reservoir float switch.
- Impact switch.
- Inductor leveling switch.
- Inertia-operated switch.
- Instrument type switch.
- Interlocked electric switch.
- Interlocking elevator door latch switch.
- **Interlocking transfer switch.**
- Interval timer switch.
- Key operated electric switch.
- Knife blade switch.
- **Lamp switch.**
- Level sensitive switch.
- Lever switch.
- Line operated fishing switch.
- Liquid level responsive switch.
- **Load-carrying safety switch.**
- Locking tecter-bar switch.
- Low capacity switch.
- Magnet operated switch.
- Mercury column thermostatic switch.
- Mercury switch.
- Momentary contact electric switch.
- Motor control switch.
- Multiple circuit control switch.
- Multiple switch.
- Multiposition switch.
- Oil pressure operated electric switch.
- Overload protective switch.
- Plunger switch.
- **Pneumatic switch.**
- Polarity reversing switch.
- Portable light switch.
- Positive cutout switch.
- **Pressure differential switch.**
- Pressure responsive switch.
- **Pressure sensitive switch.**
- Pressure switch.
- Probability and proportioning switch.
- Program selector switch.
- Propeller feathering control switch.
- Pull-operated switch.
- **Push button electric switch.**
- Push-button multiple switch.
- **Push on-push off single button switch.**
- Railroad switch.
- Railway switch.
- **Range cluster switch.**
- Relay switch.
- **Remote operated multiple element double break switch.**
- Rheostatic switch.
- Rotary coaxial switch.
- **Rotary electric switch.**
- **Rotary electromagnetic transfer switch.**
- Rotary selector switch.
- **Rotary switch.**
- Retractable electric extension cord switch.
- Safety cabinet switch.
- Safety switch.
- Safety timing switch.
- **Single pole double throw switch.**
- Snap action switch.
- Snap switch.
- Starter switch.
- Stepping switch.
- **Stock switch.**
- Stoker fuel supply signal switch.
- Television receiver image-size contol switch.
- Thermal starting switch.
- Thermally actuated mercury switch.
- **Thermally actuated switch.**
- **Thermostatic snap switch.**
- Thermostatic switch.
- Thermostatically actuated switch.
- Time-controlled switch.
- Time switch.
- Toggle switch.
- Transmission control switch
- Trap-switch.
- Variable time sequential operated switch.
- Vehicle turn indicating switch.
- Water trip switch.
- Wave guide switch.
- **Wide frequency band transmit-receive switch.**

Switch. T. A. Daly and L. E. Sauer. 2,604,556, July 22.
Switch. J. B. Dickson. 2,599,437, June 3.
Switch. S. G. Falk. 2,616,995, Nov. 4.
Switch. M. B. Hinman. 2,603,732, July 15.
Switch. M. L. Jeffrey. 2,588,632, Mar. 11.
Switch. M. L. Jeffrey. 2,605,373, July 29.
Switch. C. E. E. Karlsson. 2,595,949, May 6.
Switch. E. T. Platz and R. S. Davis. 2,611,052, Sept. 16.
Switch. J. C. Ponstingl. 2,611,050, Sept. 16.
Switch. J. F. van Meurs and A. Venema. 2,611,062, Sept. 16.
Switch. C. J. Werner. 2,622,160, Dec. 16.
Switch actuating device. G. E. Blinn. 2,618,713, Nov. 18.
Switch actuating mechanism. H. W. Grikscheit. 2,593,670, Apr. 22.
Switch actuating mechanism. W. J. Kelleigh. 2,610,274, Sept. 9.
Switch actuator. S. G. Ransome. 2,612,368, Sept. 30.
Switch actuntor for model railroads. O. C. Hewett. 2,591,152, Apr. 1.
Switch actuator for portable hand tools. C. H. Gubbins. 2,609,468, Sept. 2.
Switch and actuator therefor. D. Morrison. 2,602,126, July 1.
Switch and circuit for induction motors, Control. J. C. Koonz. 2,594,657, Apr. 29.
Switch and circuit, Induction motor control. J. C. Koonz. 2,594,658, Apr. 29.
Switch and signal control system for railroads. W. L. Livingston. 2,615,124, Oct. 21.
Switch as used in telephone systems, Automatic. R. Taylor. 2,617,887, Nov. 11.
Switch assembly, Safety. E. W. La Roza. 2,581,338, Jan. 8.
Switch assembly, Waterproof. N. H. Weber and R. W. Hept. 2,586,892, Feb. 26.
Switch blade, Longitudinally shiftable. E. A. Miller. 2,589,563, Mar. 18.
Switchboard. W. H. Schymik. 2,606,233, Aug. 5.
Switchboard construction. M. J. Brown and F. F. Lukaszewicz. 2,593,975, Apr. 22.
Switchboard construction. P. S. Graham and H. Kennedy. 2,594,010, Apr. 22.
Switchboard plug polisher, Electric. W. C. Delzell. 2,593,735, Apr. 22.
Switch casing. H. W. Wilson. 2,614,196, Oct. 14.
Switch combined with fluid control valve, Electric. J. Pacifico. 2,596,505, May 13.
Switch construction. A. J. Junker and J. J. Koski. 2,616,002, Oct. 28.
Switch construction. J. J. Kojis. 2,621,272, Dec. 9.
Switch construction. S. I. Lindell. 2,621,271, Dec. 9.
Switch construction for suction cleaner appliances. K. A. Kendrick. 2,583,949, Jan. 29.
Switch contact and fuse clip, Combined. H. M. Cole. 2,617,847, Nov. 11.
Switch contact spring. S. G. F. Blomqvist. 2,612,367, Sept. 30.
Switch control. C. W. Wold. 2,581,060, Jan. 1.
Switch control device for dynamically braked, electrically driven machines. J. A. Mason. 2,622,230, Dec. 16.
Switch control for trailable track switches. G. J. Johanck. 2,604,581, July 22.
Switch control mechanism. J. W. Woolf. 2,593,643, Apr. 22.
Switch crank, Resilient. C. M. Amon. 2,585,211, Feb. 12.
Switch device for Christmas tree lights. R. W. Adams and C. L. Taylor. 2,611,065, Sept. 16.
Switch for a telephone system, X-Y. H. Sengebusch. 2,607,855, Aug. 19.
Switch for automatic flatirons, Thermostat. F. E. Finlayson. 2,602,873, July 8.
Switch for back-up warning, Vehicle. B. H. Hadley. 2,580,677, Jan. 1.
Switch for centrifugal oil and water separators. W. R. Macdonald. 2,593,043, Apr. 15.
Switch for convertible top automobiles, Rain-controlled. W. R. Stone. 2,613,295, Oct. 7.
Switch for cylinder type vacuum cleaners, Electrical. H. A. Kroenlein. 2,616,114, Nov. 4.
Switch for directional and clearance lamps. J. R. Hollins. 2,598,657, May 27.
Switch for door jambs, Electric. H. W. Batcheller. 2,605,374, July 29.
Switch for electrical contacts, Contact. S. Moledzky. 2,618,712, Nov. 18.
Switch for emergency stop flasher signal system. J. R. Hollins. 2,607,864, Aug. 19.
Switch for firearms, Alternate feed. E. W. Hopkins. 2,596,999, May 20.
Switch for fuses, Pressure. J. Rabinow. 2,596,171, May 13.
Switch for games, Electric. D. W. Price. 2,595,811, May 6.
Switch for illuminating fixtures, Electric. C. W. Cochran. 2,605,367, July 29.
Switch for induction motors, Centrifugal. E. J. Osterhus. 2,583,590, Jan. 29.
Switch for mine shaft signal systems, Pull. R. L. Rutherford. 2,586,722, Feb. 19.
Switch for motor vehicle signals. S. B. Alcoriza. 2,621,265, Dec. 9.
Switch for refrigerators. G. S. McCloy. 2,595,967, May 6.
Switch for use in defrosting systems. D. Morrison. 2,583,661, Jan. 29.
Switch for use with continuous web, Electric. J. Dungler. 2,582,972, Jan. 22.
Switchgear, Metal enclosed. H. H. Rugg. 2,594,075, Apr. 22.
Switch means. R. H. Brake. 2,603,673, July 15.
Switch mechanism. M. L. Cripe. 2,621,267, Dec. 9.
Switch mechanism. J. B. Parsons. 2,580,950, Jan. 1.
Switch mechanism, Coin actuated. J. G. Van Derwalker. 2,593,813, Apr. 22.
Switch mechanism for model railroads. H. B. Peabody. 2,615,125, Oct. 21.
Switch mechanism, Sensitive. W. L. Dietrich. 2,608,628, Aug. 26.
Switch, Multiple, and multiple bulb electric lantern. P. A. Stark. 2,599,419, June 3.
Switch of the push-button type, Momentary contact. A. G. Kling and C. R. Goerg. 2,586,056, Feb. 19.
Switch of the snap action type, Electric. J. O. Roeser. 2,594,216, Apr. 22.
Switch operating means for stand lamps. J. G. Lambesis. 2,614,208, Oct. 14.
Switch operating mechanism. J. R. Petree. 2,603,734, July 15.
Switch operator. W. C. Foster. 2,580,905, Jan. 1.
Switch or circuit breaker, Electric. L. C. Hart. 2,583,174, Jan. 22.
Switch plate for toggle switches, Timer. T. L. Clayton. 2,590,840, Apr. 1.
Switch release mechanism, Sequential. O. S. Greeson. 2,587,144, Feb. 26.
Switch register. A. L. Consalvi, G. H. Webber, and H. C. Lawrence, Jr. 2,614,181, Oct. 14.
Switch signaling system for electric ranges and the like, Selector. H. W. Schulze. 2,585,503, Feb. 12.
Switch-socket structure. L. Ludwig. 2,595,799, May 6.
Switch structure. R. F. Lester. 2,614,194, Oct. 14.
Switch structure for motor-driven tools. N. Brackett. 2,592,649, Apr. 15.
Switch unit. J. B. Parsons. 2,619,554, Nov. 25.
Switch unit with interdependent switching mechanisms operating at different rates, Multiple. O. S. Greeson. 2,587,143, Feb. 26.
Switch with alignment responsive means, Mercury. P. L. Betz. 2,583,505, Jan. 22.
Switch with delayed break connector, Compressed air. A. Latour. 2,596,254, May 13.
Switch with permanent-magnet blowout field, Electric. R. B. Immel and L. Pierce. 2,611,059, Sept. 16.
Switch with pressure fluid arc extinguishing. A. Latour. 2,588,933, Mar. 11.
Switching apparatus. K. W. Graybill and H. Sengebusch. 2,615,095, Oct. 21.
Switching apparatus for electric cooking appliances. R. O. Warner. 2,613,289, Oct. 7.
Switching apparatus for telephone systems. H. Sengebusch. 2,604,541, July 22.
Switching apparatus for telephone systems. H. Sengebusch. 2,607,856, Aug. 19.
Switching circuit W. H. Burkhart and A. H. Sepahban. 2,603,746, July 15.
Switching circuit. C. P. Cooper and G. E. Williamson-Noble. 2,584,790, Feb. 5.
Switching device, Fast-acting. S. Minneci, J. F. McKenney and E. J. De Noyers. 2,599,272, June 3.
Switching device for phonographs. S. G. Falk. 2,596,016, May 6.
Switching device for the setting of crosabar switches by means of markers. K. G. Johnson. 2,583,848, Jan. 29.
Switching device of the cartridge or plug-type, Magnetic. F. Kesselring and H. Degler. 2,606,981, Aug. 12.
Switching key. W. S. Babcock, Jr. 2,604,553, July 22.
Switching means for conveyers. F. B. Schottelkotte. 2,613,790, Oct. 14.

Switching mechanism. A. Callsen and A. Grözinger. 2,604,566, July 22.
Switching mechanism. L. R. Elmermann. 2,584,682, Feb. 5.
Switching member for circuit breakers. R. G. Page. 2,597,368, May 20.
Switching system, Antenna. P. A. Guarino, R. J. Adams, J. W. Fraumann, and L. R. Dobler. 2,607,008, Aug. 12.
Switching system, Automatic. W. H. Cuttino. 2,615,962, Oct. 28.
Switching system, Electronic. F. Schwen. 2,583,711, Jan. 29.
Switching system, Electron-tube controlled. E. Bruce and N. I. Hall. 2,582,959, Jan. 22.
Switching system employing a transistor. Telephone. T. L. Dimond. 2,595,232, May 6.
Switching system for communication of intelligence. G. V. G. Modée, J. H. Strandlund, and F. Ek. 2,598,412, May 27.
Switching system for high-power radio-frequency energy. W. H. Flarity. 2,592,551, Apr. 15.
Switching system, Selective. A. Liberman. 2,594,043, Apr. 22.
Switching system, Telegraph. G. S. Vernam. 2,587,253, Feb. 26.
Switching system with sequence message numbers checking, Telegraph. G. G. Light and W. B. Blanton. 2,582,707, Jan. 15.
Swivel connection for air operated chucks. H. E. Sloan. 2,584,747, Feb. 5.
Swivel connection for air-operated chucks. H. E. Sloan. 2,599,664, June 10.
Swivel disappearing spout. J. Henchert and W. F. Punte. 2,623,664, Dec. 30.
Swivel for bulldozer blades. J. A. Thierry. 2,601,732, July 1.
Swivel hitch for earthworking implements. M. L. Williams. 2,612,826, Oct. 7.
Swivel joint. C. and E. F. Klingler. 2,587,170, Feb. 26.
Swivel joint. R. E. Ricks. 2,621,950, Dec. 16.
Swivel-jointed wired electrical fixture. B. A. Wilson. 2,594,242, Apr. 22.
Swivel pin mounting for planer aprons. J. M. Walter. 2,583,501, Jan. 22.
Swivel pipe joint. K. I. Postel. 2,586,991, Feb. 26.
Swiveling device for electric current. J. F. Sorenson. 2,582,800, Jan. 15.
Symmetrical diarylhydrazines, Manufacture of. J. Kamlet. 2,600,009, June 10.
Symmetrical monocentric achromatized triplet eyepiece lens system. P. H. Taylor. 2,604,012, July 22.
Symmetrical trihydroxy benzene compounds, Preparation of. J. Krueger. 2,614,126, Oct. 14.
Synchro-cyclotron. E. M. McMillan. 2,615,129, Oct. 21.
Synchro exciter. C. W. Sherwin. 2,582,208, Jan. 8.
Synchro overload indicator. R. C. Willman. 2,619,526, Nov. 25.
Synchronization indicator for common wave transmitting systems. P. Nicolas. 2,617,939, Nov. 11.
Synchronized centrifugal clutch. E. R. Maurer. 2,613,782, Oct. 14.
Synchronized centrifugal pawl clutch. E. R. Maurer. 2,613,783, Oct. 14.
Synchronized oscillator circuit. J. E. Bridges. 2,593,005, Apr. 15.
Synchronized pulse-echo detection system. J. R. Moore. 2,605,464 July 29.
Synchronizer arrangement. J. Bolsey. 2,587,436, Feb. 26.
Synchronizer clutch. J. S. Voigt. 2,619,210, Nov. 25.
Synchronizer clutch element. E. E. Eaton. 2,614,671, Oct. 1.
Synchronizer for machines, such as glass machines. H. A. Yonkers. 2,607,166, Aug. 19.
Synchronizing a voltage train generator and power supply. F. A. Firestone and R. B. De Lano, Jr. 2,592,133, Apr. 8.
Synchronizing and phasing system for television recorders. R. L. Garman and J. K. McKendry. 2,604,535, July 22.
Synchronizing apparatus for color signal sampling oscillators. L. E. Barton and P. H. Werenfels. 2,594,380, Apr. 29.
Synchronizing arrangement. M. R. Laing and W. Myers. 2,596,698, May 13.
Synchronizing device. H. Ernyei. 2,621,248, Dec. 9.
Synchronizing device for transmissions. K. G. E. Wickberg. 2,620,907, Dec. 9.
Synchronizing means for multimotored airplanes. T. A. Banning, Jr. 2,612,956, Oct. 7.
Synchronizing means for rotors. E. Skillman. 2,594,692, Apr. 29.
Synchronizing mechanism. J. A. Wagner. 2,584,645, Feb. 5.
Synchronizing separator for television receivers. E. Cohen. 2,616,964, Nov. 4.
Synchronizing signal separator circuit. K. R. Wendt. 2,605,350, July 29.
Synchronizing system. W. J. Gruen. 2,585,930, Feb. 19.
Synchronizing system. E. Jones. 2,611,033, Sept. 16.
Synchronizing system. F. W. Millspaugh and H. N. Kozanowski. 2,597,743, May 20.
Synchronizing system for resonant circuit oscillators. W. J. Gruen. 2,585,929, Feb. 19.
Synchronous drive. A. A. Neese. 2,598,820, June 3.
Synchronous dynamoelectric machine. J. C. and W. I. Macfarlane. 2,585,145, Feb. 12.
Synchronous electric current switching apparatus. E. Wettstein. 2,610,231, Sept. 9.
Synchronous electric motor. A. H. Midgley. 2,620,450, Dec. 2.
Synchronous follower drive for spooler traverses. E. N. Broden. 2,605,053, July 29.
Synchronous motor. F. J. Hammes. 2,601,517, June 24.
Synchronous motor. K. L. Hansen. 2,623,201, Dec 23.
Synchronous motor. C. G. Kronmiller and W. H. Gille. 2,583,180, Jan. 22.
Synergistically sweetened canned fruits and making the same. H. W. Walker. 2,608,489, Aug. 26.
Syntans, Manufacture of. J. Migiarese. 2,597,809, May 20.
Synthesis gas manufacture. J. C. Krejci. 2,605,174, July 29.
Synthesis gas manufacture. S. G. Stewart. 2,606,158, Aug. 5.
Synthesis gas, Manufacture of. D. Eastman, E. M. Barber, and B. Reynolds. 2,591,687, Apr. 8.
Synthesis gas, Manufacture of. D. Eastman and L. P. Gaucher. 2,582,938, Jan. 15.
Synthesis gas, Manufacture of. J. H. Hirsch. 2,614,915, Oct 21
Synthesis gas, Preparation of. L. Jacobey and I. F. German, Jr. 2,591,700, Apr. 8
Synthesis of alcohol from olefins, carbon monoxide and hydrogen. P. T. Parker. 2,595,096, Apr. 29.
Synthesis of amino acids. D. E. Floyd. 2,610,212, Sept. 9.
Synthesis of carbinols. P. van 't Spijker and M. 't Hart. 2,581,988, Jan. 8.
Synthesis of chloromethylated haloalkyl thiophenes. H. Pines. 2,613,214, Oct. 7.
Synthesis of compounds having vitamin A activity. W. Oroshnik. 2,602,092, July 1.
Synthesis of cyclooctadiene-1,5. R. M. Elofson. 2,594,889, Apr. 29.
Synthesis of esters of thioldimethyl-valeric acid. R. S. Spindt and D. R. Stevens. 2,611,783, Sept. 23.
Synthesis of folic acid intermediates. D. I. Weisblat and B. J. Magerlein. 2,615,040, Oct. 21.
Synthesis of hydrocarbons. A. Clark. 2,610,200, Sept. 9.
Synthesis of hydrocarbons. C. W. Montgomery and W. A. Horne. 2,602,811, July 8.
Synthesis of hydrocarbons from carbon monoxide and hydrogen by means of a fluidized fixed-bed. J. N. Moran. 2,612,512, Sept. 30.
Synthesis of hydrocarbons from carbon monoxide and hydrogen. The. W. J. Mattox. 2,623,058, Dec. 23.
Synthesis of hydrocarbons from carbon monoxide and hydrogen with an iron type catalyst. J. J. Owen and S. D. Sumerford. 2,610,975, Sept. 16.
Synthesis of hydrocarbons in the presence of a solid adsorbent. F. W. Sullivan, Jr. 2,583,611, Jan. 29.
Synthesis of many-membered cyclic ketones. A. T. Blomquist and R. D. Spencer. 2,584,664, Feb. 5.
Synthesis of 1,5-ketoaldehydes. O. A. Moe and D. T. Warner. 2,610,204, Sept. 9.
Synthesis of organic compounds. W. P. Burton. 2,598,503, May 27.
Synthesis of organic compounds. R. Pyzel. 2,596,434, May 13.
Synthesis of organic compounds. L. C. Rubin and H. G. McGrath. 2,620,346, Dec. 2.
Synthesis of organic compounds. L. C. Rubin, E. W. Riblett, and H. G. McGrath. 2,615,035, Oct. 21.
Synthesis of organic compounds. T. S. Williams. 2,615,911, Oct. 28.
Synthesis of organic peroxides. T. W. Campbell and C. M. Copplinger. 2,610,972, Sept. 16.
Synthesis of oxygenated organic compounds. W. M. Smith, W. D. Luening and S. C. Lane. 2,596,920, May 13.
Synthesis of phenylchlorosilanes. J. T. Coe and W. A. Schwenker. 2,595,767, May 6.
Synthesis of pinacolone. F. E. Condon. 2,596,212, May 13.
Synthesis of streptamine. M. L. Wolfram and S. M. Olen. 2,590,831, Mar. 25.
Synthesis of styrene oxide. H. R. Frisch. 2,582,114, Jan. 8.
Synthesis of tryptamine. D. I. Weisblat and D. A. Lyttle. 2,616,896, Nov. 4.
Synthesis of tryptophane. J. W. Opie, D. T. Warner, and O. A. Moe. 2,583,010, Jan. 22.
Synthesis of tryptophane and derivatives thereof. R. G. Jones and E. C. Kornfeld. 2,621,187, Dec. 9.
Synthesis of vitamin A and intermediates therefor. J. W. Copenhaver. 2,586,305–06, Feb. 19.
Synthesis of vitamin A and intermediates therefor. A. C. Starke, Jr. 2,615,922, Oct. 28.
Synthesizing hydrocarbons. C. W. Montgomery and W. A. Horne. 2,602,810, July 8.
Synthetic amphoteric polymers containing free amino groups and free acid groups. J. L. Azorlosa. 2,592,107, Apr. 8.
Synthetic compositions utilizing horn meal or neat's-foot meal, Production of. R. Květoň. 2,610,159, Sept. 9.
Synthetic detergent milled flakes. R. F. Heald. 2,619,469, Nov. 25.

Synthetic drying oils from polyvinyl alcohol and production. G. L. Schertz. 2,601,561, June 24.
Synthetic estrogens. J. A. Hogg and A. H. Nathan. 2,582,253, Jan. 15.
Synthetic hydrocarbons, Production of. H. E. Cier. 2,615,010, Oct. 28.
Synthetic linear polyamides. D. C. Pease and C. T. Handy. 2,585,163, Feb. 12.
Synthetic lubricant. E. Arundale and J. P. Thorn. 2,588,194, Mar. 4.
Synthetic lubricants. P. V. Smith, Jr. and A. H. Popkin. 2,585,862, Feb. 12.
Synthetic lubricating oil. J. A. Anderson. 2,620,365, Dec. 2.
Synthetic mold composition. B. P. Wallace. 2,586,585, Feb. 19.
Synthetic oil-soluble alkyl diphenylalkane sulfonates. S. B. Lippincott, F. N. Baumgartner, and H. L. Yowell. 2,620,353, Dec. 2.
Synthetic polymeric materials, Preparation of. S. A. Harrison and W. E. Brown. 2,614,089, Oct. 14.
Synthetic polymeric materials, Preparation of. G. L. Wheelock. 2,614,093, Oct. 14.
Synthetic polymeric product and producing the same. K. E. Müller. 2,620,516, Dec. 9.
Synthetic polymers. F. W. Schmidt and K. E. Müller. 2,621,160, Dec. 9.
Synthetic polymers from hydroxy amino acids. R. Aelion. 2,600,953, June 17.
Synthetic resin emulsions and the preparation thereof. New stable. L. Schibler. 2,586,098, Feb. 19.
Synthetic resins from maleic anhydridealkyl oleate adduct and an alkylene diamine. J. C. Cowan and H. M. Teeter. 2,582,235, Jan. 15.
Synthetic resins from natural polyhydroxy phenols. K. P. Monroe. 2,582,265–6, Jan. 15.
Synthetic resins prepared from biguanide-aldehyde condensation products. D. W. Kaiser. 2,596,930, May 13.
Synthetic resins, Production of. J. W. Fisher and E. W. Wheatley. 2,597,467, May 20.
Synthetic resins stabilized with metal chelate compounds. A. R. Burgess. 2,615,860, Oct. 28.
Synthetic reverberation system. J. L. Hathaway and J. G. Petit. 2,600,870, June 17.
Synthetic rubbers containing tackifiers and softeners and product thereof, Producing. H. Burrell and R. H. Barth. 2,611,753, Sept. 23.
Synthetic rutile and making. W. G. Eversole and W. Drost. 2,610,129, Sept. 9.
Synthetic thread manufacturing apparatus. H. A. Kuljian. 2,613,451, Oct. 14.
Synthetic thread, Process and apparatus for the production of. H. Hofmann. 2,587,619, Mar. 4.
Synthetic waxes. J. Cunder and F. P. Licata. 2,608,493, Aug. 26.
Syphon for driers. H. G. Cram. 2,617,205, Nov. 11.
Syringe. M. S. Abel. 2,607,342, Aug. 19.
Syringe. J. D. Edwards. 2,610,626, Sept. 16.
Syringe. A. R. Gow and C. T. Manville. 2,588,381, Mar. 11.
Syringe. P. S. Madsen. 2,588,135, Mar. 4.
Syringe. C. T. Manville. 2,612,161, Sept. 30.
Syringe. R. Wahlbeck. 2,596,083, May 6.
Syringe assembly. F. E. Brown. 2,607,344, Aug. 19.
Syringe assembly, Hypodermic. F. E. Brown. 2,607,341, Aug. 19.
Syringe assembly. M. L. Lockhart. 2,586,068–9, Feb. 19.
Syringe, Automatic. P. Kollsman. 2,605,765, Aug. 5.
Syringe bag. C. W. Leguillon. 2,583,381, Jan. 22.
Syringe, Disposable. N. Brody. 2,604,095, July 22.
Syringe, Disposable hypodermic. J. W. Hart. 2,616,420, Nov. 4.
Syringe, Disposable single-use. E. E. and E. E. Lakso. 2,618,263, Nov 18.
Syringe, Disposable water bag. S. L. Diack. 2,623,522, Dec. 30.
Syringe, Hypodermic. C. D. T. Arrieta. 2,581,162, Jan. 1.
Syringe, Hypodermic. T. A. Blackman. 2,592,381, Apr. 8.
Syringe, Hypodermic. J. V. de Brito. 2,606,556, Aug. 12.
Syringe, Hypodermic. P. B. Lingenfelter. 2,615,446, Oct. 28
Syringe, Hypodermic. M. L. Lockhart. 2,583,743, Jan. 29.
Syringe, Hypodermic. A. E. Smith. 2,605,767, Aug. 5.
Syringe, Injection. D. M. McLintock. 2,585,815, Feb. 12.
Syringe, Lubricated. A. P. Bloxsom. 2,618,264, Nov. 18.
Syringe, operating device. H. F. Maynes. 2,591,457, Apr. 1.
Syringe pipette. L. A. Sarver. 2,607,343, Aug. 19.
System and apparatus for controlling the supply of power to electric motors. E. W. Johnson. 2,588,633, Mar. 11.
System and apparatus for determining the listening habits of wave signal receiver users. S. A. Scherbatskoy. 2,618,743, Nov. 18.
System and apparatus for handling grain. H. H. Bawden and R. E. Jenkins. 2,613,799, Oct. 14.
System and apparatus for selective photographing. R. R. Shaw. 2,594,358, Apr. 29.
System and apparatus for sterilizing containers and filling them with a sterilized beverage. F. J. T. Barnes. 2,609,984, Sept. 9.
System and method for protecting pipes and other current conducting structures against electrolytic corrosion. W. R. Schneider. 2,584,623, Feb. 5.
System for adjusting the fuel supply in internal-combustion engines. E. Stump. 2,622,575, Dec. 23.
System for analyzing seismographic records. J. E. Hawkins. 2,604,955, July 29.
System for and method of controlling hysteresis motors. H. C. Roters. 2,586,095, Feb. 19.
System for classifying, concentrating, and separating ores. J. V. Rawlings. 2,618,388, Nov. 18.
System for color television. A. Rose. 2,617,876, Nov. 11.
System for cooling engine liquids. G. H. Dieter. 2,603,196, July 15.
System for concentrating liquids. C. S. Brown. 2,598,345, May 27.
System for controlling flow of electric currents. M. Partiot. 2,581,970, Jan. 8.
System for designing mechanical structures. E. G. Fubini. 2,601,382, June 24.
System for dispensing a fire-extinguishing medium. W. H. Freygang. 2,586,809, Feb. 26.
System for driving working pistons in die-casting machines or injection molding machines. W. A. Venus. 2,618,822, Nov. 25.
System for eliminating static interference. J. Frye. 2,601,510, June 24.
System for energizing electrical precipitators. H. J. Hall. 2,623,608, Dec. 30.
System for gathering and loading oil from underwater oil wells. R. G. Watts. 2,594,105, Apr. 22.
System for guiding airplanes in flight. D. T. Griggs. 2,587,995, Mar. 4.
System for handling moving picture sets. F. E. Pelton. 2,602,196, July 8.
System for locating, indicating, and/or following objects in space. H. F. Rost, K. H. Thunell, S. D. Vigren and P. H. E. Claesson. 2,589,965, Mar. 18.
System for magnetic storage of data. E. L. Schmidt. 2,587,532, Feb. 26.
System for making reservations. R. W. Bumstead. 2,594,865, Apr. 29.
System for measuring electrical quantities. J. M. Fluke. 2,586,804, Feb. 26.
System for measuring magnetic fields. E. G. Kogbetliantz. 2,590,979, Apr. 1.
System for paralleling electric alternators. E. E. Lewis and R. E. Thorn. 2,590,023, Mar. 18.
System for producing an encoding device. B. Lippel. 2,590,110, Mar. 25.
System for simulating aircraft engine starting. J. Kennedy. 2,608,005, Aug. 26.
System for suppressing electromagnetic interference. E. Binek. 2,603,675, July 15.
System for synthesis from hydrogen and carbon monoxide with fluidized catalyst. K. L. Hujsak, M. B. Kratzer, and R. Mungen. 2,620,262, Dec. 2.
System for the production of a high-pressure sound field. W. H. Lewis. 2,617,874, Nov. 11.
System for the reproduction of phonograph records of different diameters. W. L. L. Vivie. 2,616,708, Nov. 4.
System for uniform distribution of ventilating air and sound energy. G. K. Raider. 2,580,835, Jan. 1.
System for using overtone activity of piezoelectric crystals. A. R. Panetta. 2,613,320, Oct. 7.
System of airborne conductor measurements. W. O. Cartier, G. H. McLaughlin, W. A. Robinson, and E. M. Wise. 2,623,924, Dec. 30.
System of composite photography. F. G. Gunn. 2,580,422, Jan. 1.
System of drilling. B. Click. 2,621,023, Dec. 9.
System of radio echo detection. W. M. Hall. 2,610,320, Sept. 9.
System for receiving messages transmitted electrically. H. C. A. van Duuren. 2,619,541, Nov. 25.
System for reception of coded signals. H. L. Lesigne. 2,606,243, Aug. 5.
System for recording X-ray diffraction data. E. A. Hamacher. 2,609,144. Sept. 2.
System for reducing contact arcing in synchronous switching apparatus. M. Belamin. 2,584,535, Feb. 5.
System for reducing noise in the transmission of electric signals. H. H. Scott. 2,606,972, Aug. 12.
System of seismographic visual recording. J. A. Volk. 2,614,228, Oct. 14.
System of separation. F. J. Fontein. 2,623,637, Dec. 30.
System of toothed gearing. A. Mackmann and B. S. Nelson. 2,620,845, Dec. 2
System of transmission by wave guides. M. F. G. Jouguet. 2,612,559, Sept. 30.
System of transmitting signal indications from railway signaling devices to vehicles and for controlling same. L. R. Thomas and C. A. Crouch. 2,606,281, Aug. 5.
System or apparatus for stabilizing the voltage of electrostatic generators. E. A. Burrill and W. V. Smith. 2,588,613, Mar 11.
TiO_2 pigments, Production of. O. B. Willcox. 2,591,988, Apr. 8.
T-square. P. F. Boehm. 2,588,079, Mar. 4.
T square. W. T. Nelman. 2,622,330, Dec. 23.
T tap. M. D. Bergan. 2,604,341, July 22.
T-tube for controlled intubation and drainage of the common bile-duct. A. G. Shulman. 2,587,910, Mar. 4.

Tab sensing means in address printing machines. C. R. Bernhag. 2,623,453, Dec. 30.
Table: *See*—
Adjustable crossleg table.
Adjustable drawing table.
Adjustable hospital table.
Bath table.
Calf branding table.
Casket table.
Celling-suspended elevatable table.
Chiropractic table.
Collapsible interlocking extensible table.
Combination hassock table.
Confectionery packing table.
Connected sectional table.
Convertible table.
Cotton sample wrapping table.
Delivery table.
Extensible drop-leaf table.
Folding classification table.
Folding extensible table.
Folding lunch box table.
Folding table.
Folding top extension table.
Fur shaping table.
Gathering table.
Hydraulically operated exercising table.
Indexing table.
Infant's feeding table.
Inspection table.
Interlocking knockdown table.
Knockdown pedestal lawn table.
Knockdown table.
Obstetrical and delivery operating table.
Pattern roll table.
Retractable packer table.
Revolving multiple color screen process printing table.
Rotary grinding table.
Rotary table.
Sectional top folding wall table.
Sectional work connected table.
Screen printing table.
Three-height vertically adjustable table.
Tiltable and vertically adjustable bedside table.
Two-section foldable game table.
Vertically adjustable table.
Table adapted to stand in folded position, Sectional top folding. H. Howe. 2,607,647, Aug. 19.
Table and bar, Convertible. W. P. Berlou and E. G. Wilson. 2,604,373, July 22.
Table and bench, Combined. E. E. Miller. 2,621,710, Dec. 16.
Table and leg actuator, Folding. E. F. Knowles. 2,603,544, July 15.
Table and paper roll support for preparing paper for hanging. G. E. Duff. 2,588,092, Mar. 4.
Table and platform swing, Combination. E. O. Lemponen. 2,622,877, Dec. 23.
Table and seat unit, Foldable. F. Loibl, Sr. 2,613,728, Oct. 14.
Table clamp for typewriters or the like. R. A. Cramer. 2,619,307, Nov. 25.
Table cover and tray. S. L. and B. N. Greene. 2,608,842, Sept. 2.
Table drive connection, Rotary. C. R. Trahan. 2,613,060, Oct. 7.
Table for automobile instrument panels, Disappearing. N. T. Davis. 2,588,706, Mar. 11.
Table for automobile seats, Adjustable folding. T. A. Kent. 2,619,395, Nov. 25.
Table for bale loaders. F. W. Harris and C. G. Crantz. 2,616,551, Nov. 4.
Table for bowling pin setting machines, Setting-up. K. C. Sherman. 2,580,853, Jan. 1.
Table for invalids, Standing. M. H. Charters. 2,603,542, July 15.
Table for operating tables or beds, Collapsible arm support. J. A. Parker. 2,609,261, Sept. 2.
Table for the elongation of the vertebral column. O. Vaquette. 2,623,518, Dec. 30.
Table for toy trains, Collapsible. S. De Matthaeis, Jr. 2,618,437, Nov. 18.
Table for transferring invalids, Wheeled. J. E. Sutton. 2,610,330, Sept. 16.
Table having an adjustable drawing board, Writing. P. W. Thompson. 2,593,364, Apr. 15.
Table having folding supports, Ironing. C. Tonn and F. B. Pine. 2,582,180, Jan. 8.
Table having vertically adjustable top. O. Carlsson. 2,585,535, Feb. 12.
Table leg construction. H. J. Kaufman. 2,604,370, July 22.
Table leg mounting. J. J. Kohen. 2,584,471, Feb. 5.
Table leveler. A. J. Matter. 2,608,794, Sept. 2.
Table mountable on automobile seat, Collapsible. J. E. Condon. 2,585,742, Feb. 12.
Table or the like, Folding. M. Levinson. 2,609,072, Sept. 2.
Table rail, Infant. H. W. Reece. 2,617,998, Nov. 18.
Table saw with part of the table swingably and laterally adjustable. A. L. Anderson. 2,601,878, July 1.
Table scrap eliminating device. R. W. Strehlow, A. M. Olson, and L. E. Kaap. 2,593,359, Apr. 15.
Table slide, Refectory. C. L. Bolick. 2,599,808, June 10.
Table supported abdominal retractor. D. P. Smith. 2,594,086, Apr. 22.
Table top and back splash construction. J. Stanitz. 2,614,014, Oct. 14.
Table top and infant's chair. D. H. Vuori. 2,605,816, Aug. 5.
Table top, Booth wall mounted movable. G. H. Binz. 2,587,098, Feb. 26.
Table top circulator. O. A. Sutton. 2,593,217, Apr. 15.
Table top construction, Peripherally reinforced sheet metal. E. C. Booth. 2,596,465, May 13.
Table top construction, Sliding. C. H. Hennell. 2,612,423, Sept. 30.
Table-top processing machine. M. Izen. 2,599,712, June 10.
Table top, Rotating and reciprocating. G. G. McNamara, Jr. 2,610,099, Sept. 9.
Table top, Supplemental collapsible extension. E. R. Hagwell. 2,595,845, May 6.
Table with adjustable height provision, Pivoted-leg. G. A. Delf and R. E. Kortum. 2,609,627, Sept. 9.
Table with adjustable top, Picnic. R. E. Barbin. 2,603,543, July 15.
Table with detachable end leaves, Extension. M. Langlus. 2,614,013, Oct. 14.
Table with elevating metal slides therefor, Extension. J. Cooper. 2,585,744, Feb. 12.
Table with folding seat hanger. W. C. Smullen. 2,601,177, June 17.
Table with handle lock means, Folding utility. W. C. Panzer. 2,618,525, Nov. 18.
Table with leaf elevating mechanism, Extension. S. Kato. 2,599,642, June 10.
Table with leg latch means, Foldable. C. Hoffmann. 2,618,524, Nov. 18.
Table with mechanical actuator mechanism, Drop-leaf. H. M. Muth. 2,602,716, July 8.
Table with rotatable center, Self-serving. W. R. Fires. 2,619,396, Nov. 25.
Table with rotatable center, Serving. A. E. Thiel. 2,591,215, Apr. 1.
Table with spring supported center leaf, Extension. N. Starke. 2,623,799, Dec. 30.
Table with vertically adjustable top, Coffee. J. C. C. Yuan. 2,614,012, Oct. 14.
Tablet crusher. J. E. and E. J. Jones. 2,602,596, July 8.
Tablet dispensing gun. A. M. Olson. 2,621,655, Dec. 16.
Tablet jellies and preparing same. G. L. Baker and M. Olliver. 2,594,439, Apr. 29.
Tabulating and total sensing control mechanism. E. O. Roggenstein and E. F. Thierfelder. 2,585,685, Feb. 12.
Tabulating mechanism. E. L. Wise. 2,615,552, Oct. 28.
Tabulating mechanism for typewriters or like machines. W. H. Kupper. 2,620,057, Dec. 2.
Tabulator and summary punch, Combined. J. Mueller. 2,580,693, Jan. 1.
Tachistoscope. U. K. Henschke and H. A. Mauch. 2,590,101, Mar. 25.
Tachometer and revolution counter for internal-combustion engines. M. Petroff. 2,617,083, Nov. 4.
Tachometer device. J. Agin. 2,598,874, June 3.
Tachometer, Electric. J. Faure-Herman. 2,591,798, Apr. 8.
Tack-free alkaryl sulfonate detergent. V. J. Keenan. 2,617,772, Nov. 11.
Tack handling apparatus. C. A. Robinson. 2,617,987, Nov. 18.
Tacker. F. S. Boroughs. 2,617,096, Nov. 11.
Tackifiers and softeners for synthetic rubbers and compositions containing the same. R. H. Barth. 2,611,752, Sept. 23.
Tacking strip, Making. B. Boersma and A. A. Parcels. 2,597,918, May 27.
Tackle box. E. P. Klinglesmith. 2,604,372, July 22.
Tackle box. R. E. Malmquist. 2,608,459, Aug. 26.
Tackle box with revolving receptacle. G. H. Teasmer and W. V. Erickson. 2,603,549, July 15.
Tackle holder. C. F. Bryant. 2,595,051, Apr. 29.
Tackle holder for fishermen. O. P. Hawthorne. 2,580,912, Jan. 1.
Tackle holder for fishermen. O. P. Hawthorne. 2,580,913, Jan. 1.
Tackle retriever. V. P. Bivens. 2,594,852, Apr. 29.
Tackle retriever. H. Davis. 2,609,632, Sept. 9.
Tag. W. Steizer. 2,611,199, Sept. 23.
Tag for an infusing substance containing bag and package resulting therefrom. J. J. McCabe. 2,606,836, Aug. 12.
Tagline mechanism. P. A. Orton, Sr. 2,588,037, Mar. 4.
Tag-marking machine cutoff knife. F. L. Rieger. 2,586,383, Feb. 19.
Tagging machine for tobacco bags and the like. B. C. Golden. 2,601,835, July 1.
Tailgate control for dump trucks. J. L. Schetky. 2,589,872, Mar. 18.
Tail gate lift assembly, Adjustable. H. E. Winkler. 2,590,591, Mar. 25.
Tail gate lift for trucks and the like. W. W. Vawter. 2,581,333, Jan. 1.
Tail lamp and fuel tank inlet cover, Combined. H. C. Mead and G. W. Onksen, Jr. 2,606,772, Aug. 12.
Tailpiece for stringed instruments. H. V. Hogne. 2,588,238, Mar. 4.
Tailpiece for stringed musical instruments. J. E. Kluson. 2,585,661, Feb. 12.
Tail pipe connection, Flexible. C. W. Kaysing and G. A. McMahon. 2,604,339, July 22.
Tailstock. E. J. Lomazzo. 2,614,447, Oct. 2.
Tailstock for machine tools. O. von Zelewsky. 2,586,127, Feb. 19.
Take-down arrangement for firearms. V. A. Browning. 2,594,861–2, Apr. 29.
Takedown mechanism for firearms. D. Emerson. 2,610,426, Sept. 16.

Takedown metal bow handle. H. F. Lake and C. W. Grimes. 2,600,250, June 10.
Take-out mechanism. S. E. Winder. 2,609,943, Sept. 9.
Take-up mechanism. J. Rinne, E. H. Ashton, R. G. Mallard, and F. G. Lake. 2,611,395, Sept. 23.
Take-up mechanism for looms. A. Jarvis. 2,622,632, Dec. 23.
Taking-off of webs or fleeces from smooth rollers. L. Crowther. 2,605,511, Aug. 5.
Taking up slack in lead screw devices. J. W. Gasser. 2,615,348, Oct. 28.
Taking up slack in lead screw devices. M. Horsky. 2,586,044, Feb. 19.
Talking machine. T. F. and G. J. Vlada. 2,619,840, Dec. 2.
Talking machine combined with a still projector and film strip therefor. J. H. Coutelen. 2,581,079, Jan. 1.
Tall oil modified alkyd resins and preparing the same. A. F. Schmutzler. 2,590,653, Mar. 25.
Tallying device. F. Distaso. 2,619,751, Dec. 2.
Tamale mold. C. O. Forbes. 2,619,050, Nov. 25.
Tamperproof plug valve. J. G. Bradbury. 2,586,453, Feb. 19.
Tamperproof sealed barrel closure. W. J. Haley. 2,581,187, Jan. 1.
Tamperproof valve. H. H. McChesney. 2,602,629, July 8.
Tamperproof valve cap. E. A. Teepell. 2,597,546, May 20.
Tamping an explosive charge. C. K. Bain. 2,596,639, May 13.
Tamping device. S. J. Rutka. 2,622,434, Dec. 23.
Tamping or stemming plug. S. A. Morton. 2,590,882, Apr. 1.
Tamping roller. J. M. Paramythioti. 2,611,443, Sept. 23.
Tamping roller frame. U. O. Guignard. 2,587,463, Feb. 26.
Tampon, Absorbent. H. Ganz. 2,620,799, Dec. 9.
Tampon applicator. C. A. Fourness. 2,587,717, Mar. 4.
Tampon applicator grip forming apparatus. H. A. Collins and H. M. Ruth. 2,600,971, June 17.
Tandem axle for trailers. L. J. Hughes. 2,615,728, Oct. 28.
Tandem axle spring mounting. P. Thomas. 2,611,626, Sept. 23.
Tandem axle spring suspension. A. F. Hickman. 2,623,757, Dec. 30.
Tandem power unit for applying hydraulic pressure. E. A. Rockwell. 2,603,066, July 15.
Tangential cylinder valve. D. G. Debo. 2,587,704, Mar. 4.
Tank: *See*—
Aircraft fuel tank.
Bulletproof fuel tank.
Dissolving and slurrying tank.
Explosion-proof gasoline tank.
Film-developing tank.
Film-processing tank.
Flush ball control tank.
Flushing tank.
Honey bottling tank.
Hydrotherapy tank.
Liquid supply tank.
Molasses mixing tank.
Oil field wash tank.
Photographic developing tank.
Self-cleaning gas safety tank.
Self-heated stock watering tank.
Septic tank.
Skid supported tank.
Storage tank.
Streamlined auxiliary fuel tank.
Therapy tank.
Trap tank.
Water closet flush tank.
Tank. D. G. Unthank. 2,623,565, Dec. 30.
Tank and spray unit for cleansing. A. J. Turpin. 2,614,571, Oct. 21.
Tank ball, Automatic. C. Rickena. 2,599,940, July 10.
Tank ball guide. O. J. Walter. 2,613,366, Oct. 14.
Tank ball, stem, and guide for water closet tanks. D. R. Wittke. 2,584,407, Feb. 5.
Tank beveling apparatus. C. A. Guynn. 2,619,343, Nov. 25.
Tank cap. F. N. Mariani. 2,597,014, May 20.
Tank clamp support holder. W. Highwood. 2,615,238, Oct. 28.
Tank construction, Welded. L. M. Keating. 2,613,015, Oct. 7.
Tank cross drive for steering by variable-speed ratio driving means. O. K. Kelley. 2,585,790, Feb. 12.
Tank for delivering measured volumes of liquid. L. E. Harris. 2,601,869, July 1.
Tank for hydraulic drives, Cooling and expansion. H. H. Trail. 2,603,238, July 15.
Tank for liquids, Storage. E. S. Fraser and C. M. Orr. 2,601,270, June 24.
Tank for water closets, Flushing. H. F. Goetz. 2,597,239, May 20.
Tank having corrugated ends, Large capacity. A. Gruenais. 2,598,160, May 27.
Tank inlet and outlet seal. P. H. Lindberg. 2,580,802, Jan. 1.
Tank joint. M. Unger and M. H. Bates. 2,590,803, Mar. 25.
Tank opening assembly. W. C. Uhri. 2,594,599, Apr. 29.
Tank port and coupling. G. E. White. Re. 23,457, Jan. 22.
Tank reactor. W. J. Donohue. 2,582,317, Jan. 15.
Tank shutoff valve. B. Daily. 2,582,819, Jan. 15.
Tank switcher, Automatic. W. T. Nance. 2,605,780, Aug. 5.
Tank trailer for transporting gases. G. M. Bramann and J. L. Switzer. 2,603,497, July 15.
Tank tread and driving wheel mounting. C. J. Dumais. 2,614,642, Oct. 21.
Tank type cleaner. R. D. Beck. 2,616,517, Nov. 4.
Tank unit with internal pump and valve. H. H. Schmiel. 2,621,593, Dec. 16.
Tank wagon with bogie. N. A. Andersson. 2,620,747, Dec. 9.
Tanking plant. J. Marcou. 2,595,399, May 6.
Tankless water heater. A. J. Donohue. 2,617,392, Nov. 11.
Tanning agents and preparing them. C. N. J. Thomsen. 2,603,613, July 15.
Tanning and bleaching leather with a sulfoaromaticmelamine-formaldehyde resin. J. T. Thurston and P. Adams. 2,599,142, June 3.
Tanning with sulfonate tanning agents and a formaldehyde-arylamine-cyanamide type compound. D. E. Nagy. 2,621,102, Dec. 9.
Tantalum carbide filament electric lamp containing hydrogen-volatile hydrocarbon mixture. D. P. Cooper, Jr. 2,596,469, May 13.
Tap holder. J. D. Marcellus. 2,609,551, Sept. 9.
Tap or cock. H. Heidal. 2,600,293, June 10.
Tap or reamer driver. J. W. Le Pree. 2,586,067, Feb. 19.
Tapping attachment. E. H. Johnson and A. C. Lindmark. 2,615,183, Oct. 28.
Tapping machine. S. Csencsics. 2,608,699, Sept. 2.
Tapping machine drive. D. H. Prutton. 2,600,022, June 10.
Tapping tool. J. Starkel. 2,607,055, Aug. 19.
Tape and case therefor, Measuring. W. F. Dart. 2,599,320, June 3.
Tape applicator. E. Clampitt. 2,607,508, Aug. 19.
Tape applying tool. C. Menge. 2,619,248, Nov. 25.
Tape controlled telegraph transmitter. R. J. Wise and R. D. Parrott. 2,592,779, Apr. 15.
Tape, Curtain heading. G. F. and R. French. 2,585,759, Feb. 12.
Tape cutter. N. W. Corey. 2,592,865, Apr. 15.
Tape cutter for spools. S. A. Sherrill. 2,611,431, Sept. 23.
Tape dispenser. L. P. Durst. 2,622,681, Dec. 23.
Tape dispenser. N. A. Gall. 2,612,322, Sept. 30.
Tape dispenser. C. A. Hanington. 2,609,877, Sept. 9.
Tape dispenser. F. Vierson. 2,610,000, Sept. 9.
Tape dispenser and applier. T. H. Krueger and E. E. Sharpe. 2,594,316, Apr. 29.
Tape dispensing. S. B. Lindsey. 2,596,158, May 13.
Tape-dispensing device. A. P. Krueger. 2,582,705, Jan. 15.
Tape dispensing device. A. F. Tallman. 2,611,432, Sept. 23.
Tape-dispensing and severing device. O. P. Erhardt. 2,601,506, June 24.
Tape-dispensing machine. O. P. Erhardt. 2,599,750, June 10.
Tape dispensing machine. H. A. Ledig. 2,621,737, Dec. 16.
Tape dispensing mechanism. J. W. Cutter. 2,606,682, Aug. 12.
Tape dispensing reel and angle crimper. E. L. Hodges. 2,581,190 Jan. 1.
Tape extrusion. L. F. Samler. 2,602,187, July 8.
Tape feeding and severing. G. H. Fritzinger. 2,623,588, Dec. 30.
Tape for driving pulleys. A. K. Landau. 2,581,261, Jan. 1.
Tape holder and plaster pallet, Combined. O. L. Matthews 2,615,326, Oct. 28.
Tape measure. K. Loquens. 2,604,274, July 22.
Tape perforating machine. W. W. Carpenter. 2,583,086, Jan. 22.
Tape reader. E. O. Blodgett. 2,619,532, Nov. 25.
Tape-roll and reel assembly. W. D. Fling. 2,594,630, Apr. 29.
Tape-serving mechanism. A. P. Krueger and O. P. Erhardt. 2,590,549, Mar. 25.
Tape splitting machine. D. Littman. 2,593,388, Apr. 15.
Tape spool holder. G. D. Shallenberger. 2,587,394, Feb. 26.
Tape wetting machine. F. F. Deering. 2,581,638, Jan. 8.
Taper control indicator. G. N. Levesque. 2,600,550, June 17.
Taper gauge. E. S. Cornell. 2,581,001, Jan. 1.
Taper threading machine. A. Girz. 2,583,094, Jan. 22.
Taper turning attachment for turret lathes. R. E. Dow. 2,612,680. Oct. 7.
Tapered beams, Manufacturing. W. F. Burke. 2,617,179, Nov. 11.
Tapered locking bushing mechanism. G. Russell. 2,612,395, Sept. 30.
Tapered roller bearing. D. McNicoll. 2,594,578, Apr. 29.
Tapering panel construction for foundation garments. J. Leonard. 2,608,688, Sept. 2.
Taping machine, Box blank. K. Sieg. 2,604,825, July 29.
Tappet adjusting wrench. F. G. Palesh, Jr. 2,601,796, July 1.
Tappet wrench. O. Heumader. 2,612,068, Sept. 30.
Tare offsetting mechanism. N. E. Hart. 2,614,826, Oct. 21.

Tare-setting control mechanism for filling containers. J. B. McMahon and F. B. Miller. 2,608,371, Aug. 26.
Target aircraft hit indicating system. C. D. Fairchild, P. M. Gross, and M. E. Hobbs. 2,587,715, Mar. 4.
Target and circuit for storage tubes. R. L. Snyder, Jr. 2,618,762, Nov. 18.
Target apparatus, Portable. G. R. Tabler. 2,613,934, Oct. 14.
Target control device. P. E. Davenport. 2,593,117, Apr. 15.
Target device, Pivoted. V. Niewinski. 2,601,552, June 24.
Target for storage tubes. J. A. Rajchman. 2,604,606, July 22.
Target for storage tubes of the cathode beam type. R. L. Snyder, Jr. 2,618,763, Nov. 18.
Target game, Sliding. J. O. Prentiss. 2,597,671, May 20.
Target interceptor radar aircraft trainer. E. A. Linck. 2,602,243, July 8.
Target, Practice putting. H. Smith. 2,582,290, Jan. 15.
Target reflector with foldable hood. W. B. Wells. 2,608,130, Aug. 26.
Target set. R. O. Wesley and C. W. Sundberg. 2,615,717, Oct. 28.
Target throwing apparatus, Variable angle. P. J. Herold. 2,603,203, July 15.
Target type combustion chamber having a closed end portion receiving conical fuel and oxidizer sprays. R. H. Goddard. 2,609,658, Sept. 9.
Target with electrical indicating system. R. T. Kimmel and J. A. Woodson. 2,592,420, Apr. 8.
Tarpaulin fastening. E. F. Cottor and J. A. Anderson. 2,604,897, July 29.
Taut washer for cloth. H. A. Dameron. 2,580,892, Jan. 1.
Taximeter. B. C. Palmer. 2,596,164, May 13.
Taximeter. C. A. Rhoads and J. A. Hubbard. 2,583,966, Jan. 29.
Taximeter casing and support. R. A. Miller. 2,616,622, Nov. 4.
Tea bag holder. F. C. Reed. 2,591,606, Apr. 1.
Teakettle. M. S. Ziskin and R. B. Billig. 2,590,596, Mar. 25.
Teakettle. M. S. Ziskin and R. B. Billig. 2,620,948, Dec. 9.
Tea packaging system. C. A. Trotman. 2,614,934, Oct. 21.
Tea pot and hot water dispenser, Combination. D. P. Murphrey. 2,604,233, July 22.
Teaching dancing, Method of and apparatus for. H. R. Van Deventer. 2,605,557, Aug. 5.
Tear-resistant fabric. B. H. Foster. 2,619,705, Dec. 2.
Tear strip can with cable loop pull. J. Henchert. 2,606,688, Aug. 12.
Teeth cleaning unit. M. Boulicault. 2,601,244, June 24.
Telecentric objective of the reversed telephoto type. M. Reiss. 2,600,805, June 17.
Telecommunication system. G. F. Bellairs and J. C. Ireland. 2,607,853, Aug. 19.
Telecommunication system. H. Gardere. 2,623,169, Dec. 23.
Telegraph concentration board spare communication circuit. M. R. Purvis. 2,605,347, July 29.
Telegraph distributor. G. T. Baker. 2,612,562, Sept. 30.
Telegraph distributor. G. T. Dain. 2,612,563, Sept. 30.
Telegraph exchange for lines with simplex or duplex characteristics. R. M. M. Oberman. 2,599,344, June 3.
Telegraph hub electronic loop repeater circuit. W. T. Rea. 2,594,993, Apr. 29.
Telegraph hub repeater. J. R. Davey and W. T. Rea. 2,608,619, Aug. 26.
Telegraph receiver employing an electronic distributor, Multiplex. T. A. Hansen. 2,623,948, Dec. 30.
Telegraph receiving apparatus. H. C. A. van Duuren. 2,611,824, Sept. 23.
Telegraph repeater. W. T. Rea. 2,607,852, Aug. 19.
Telegraph repeater, including break feature, Half duplex. W. T. Rea. 2,609,453, Sept. 2.
Telegraph selector mechanism. R. C. Kinsman and T. Perry. 2,612,555, Sept. 30.
Telegraph signal bias meter. H. F. Wilder. 2,587,561, Feb. 26.
Telegraph signal detector, Integrating type. L. I. Goldfischer. 2,606,975, Aug. 12.
Telegraph switching, Automatic. R. H. Halvorsen. 2,599,988, June 10.
Telegraph switching system. D. B. Perry. 2,584,736, Feb. 5.
Telegraph system. G. T. Dain. 2,618,699, Nov. 18.
Telegraph system employing electronic distributor, Multiplex. T. A. Hansen. 2,609,452, Sept. 2.
Telegraph system utilizing electronic distributors, Multiplex. T. A. Hansen. 2,609,451, Sept. 2.
Telegraph transmitter with amplitude-modulation. H. B. R. Boosman and P. Zijlstra. 2,611,078, Sept. 16.
Telegraphic facsimile transmitting blank, Making a. D. P. Rodolin and B. L. Kline. 2,593,923, Apr. 22.
Telegraphically controlled timing mechanism. G. G. Keyes and G. Sim. 2,587,483, Feb. 26.
Telemetering device. H. S. Polin. 2,587,213, Feb. 26.
Telemetering device, Multichannel. J. R. H. Dutilh. 2,597,088, May 20.
Telemetering system. V. H. Disney. 2,605,340, July 29.
Telemetering system. W. Hampton and G. W. Neuhard. 2,596,147, May 13.
Telemetering system and automatic altimeter setting. J. H. Andresen, Jr. 2,618,976, Nov. 25.
Telemetering system, Automatic. H. C. Savino. 2,591,617, Apr. 1.
Telemetric apparatus. W. A. Hagenau. 2,586,427, Feb. 19.
Telemetric or repeater system. P. A. Noxon and W. A. Reichel. 2,611,191, Sept. 23.
Telephone and code call system, Automatic. F. Kessler. 2,584,210, Feb. 5.
Telephone and telegraph systems, Combined. L. M. Potts. 2,589,131, Mar. 11.
Telephone apparatus. S. D. Vigren and G. E. Gustafsson. 2,609,458, Sept. 2.
Telephone arrangement, Loud-speaking. K. E. Latimer. 2,606,252, Aug. 5.
Telephone attachment. M. J. Miller. 2,584,807, Feb. 5.
Telephone base accessory holder. B. L. Ledermann. 2,599,062, June 3.
Telephone base and index. G. W. Torrence. 2,608,024, Aug. 26.
Telephone billing system, Automatic. C. E. Brooks and W. W. Carpenter. 2,599,357, June 3.
Telephone booth. P. H. Sherron. 2,614,664, Oct. 21.
Telephone call counting device. E. Oran. 2,588,935, Mar. 11.
Telephone call distributing system. H. W. Balzer. 2,598,098, May 27.
Telephone calling line identification and recording system. R. E. Hersey. 2,619,545, Nov. 25.
Telephone card holder. E. B. Westlake, Jr. 2,584,769, Feb. 5.
Telephone conversation timing means. F. Kessler. 2,595,388, May 6.
Telephone desk set. L. J. Von Gunten. 2,608,622, Aug. 26.
Telephone dial cleaner. H. V. Martin. 2,615,988, Oct. 28.
Telephone dial lock. A. P. Gizzo. 2,606,977, Aug. 12.
Telephone extension control system. H. E. Humphries. 2,619,550, Nov. 25.
Telephone handset. R. B. Baker. 2,607,857, Aug. 19.
Telephone handset attachment. A. R. Vogel. 2,590,481, Mar. 25.
Telephone handset support. R. W. Hoagland. 2,621,262, Dec. 9.
Telephone holder. F. Orms. 2,614,177, Oct. 14.
Telephone index. H. L. Nellsen. 2,593,475, Apr. 22.
Telephone installation, Two-way loud-speaker. P. Jeanlin. 2,623,949, Dec. 30.
Telephone instrument with magnetic handset latch. H. N. Myles. 2,623,128, Dec. 23.
Telephone intercept system. F. Kessler. 2,608,620, Aug. 26.
Telephone light mounting. O. A. Cunningham. 2,610,262.
Telephone lock. A. Gazda. 2,615,322, Oct. 28.
Telephone lock. J. Strauch. 2,588,176, Mar. 4.
Telephone memorandum device or holder. A. A. Ribaudo and J. Orilia. 2,587,220, Feb. 26.
Telephone mouthpiece attachment, Sanitary. C. E. Zimmermann. 2,593,382, Apr. 15.
Telephone operated lighting means. R. L. McNutt. 2,616,972, Nov. 4.
Telephone party line intercept circuit. F. Kessler. 2,605,362, July 29.
Telephone radio link termination. H. M. Veaux. 2,585,058, Feb. 12.
Telephone receiver holder. J. L. Raymond, E. G. Glambro and E. W. Jacobus, Jr. 2,602,863, July 8.
Telephone receiver holder. E. Tullis. 2,606,255, Aug. 5.
Telephone receiving device for two listeners. R. A. B. Heap. 2,620,891, Dec. 9.
Telephone, Recording. M. Sepelak. 2,597,957, May 27.
Telephone repeater. G. H. Brodie. 2,615,997, Oct. 28.
Telephone ringer. H. A. Bredehoft and M. S. Richardson. 2,590,500, Mar. 25.
Telephone ringer. G. W. Schomaker. 2,607,833, Aug. 19.
Telephone signaling system. W. D. Goodale, Jr., and W. H. Martin. 2,589,800, Mar. 18.
Telephone signaling system, Alternating current. E. P. G. Wright and W. J. Reynolds. 2,593,512, Apr. 22.
Telephone signaling system, Voice-frequency. C. E. Beale. 2,594,719, Apr. 29.
Telephone station ringing equipment. W. Hatton. 2,619,551, Nov. 25.
Telephone substation circuit with automatic compensation for length of line. N. Botsford, A. P. Boysen, Jr., A. J. Aikens, E. Dietze, W. D. Goodale, Jr., and A. H. Inglis. 2,620,402, Dec. 2.
Telephone substation equipment with variable antisidetone circuit. H. M. Bascom. 2,584,830, Feb. 5.
Telephone substation set with multistation connecting switch. P. Deschamps. 2,622,154, Dec. 16.
Telephone switchboard with interlocks, Cordless. L. Micha. 2,613,281, Oct. 7.
Telephone switch hook actuator. A. G. Pinto. 2,597,670, May 20.
Telephone switch utilizing a multielectrode gaseous discharge tube. E. W. Hullegård. 2,589,697, Mar. 18.
Telephone switching system, Automatic. H. G. Duhamel, E. O. Campbell, and R. A. Reed. 2,604,539, July 22.
Telephone switching system employing repetitive impulsing. W. A. Malthaner. 2,620,390, Dec. 2.
Telephone system. A. E. Bachelet. 2,609,455, Sept. 2.

Telephone system. H. W. Balzer and J. E. Ostline. 2,614,174, Oct. 14.
Telephone system. A. J. Busch and H. J. Michael. 2,587,817, Mar. 4.
Telephone system. M. den Hertog. 2,613,277, Oct. 7.
Telephone system. R. F. Stehlik. 2,613,278, Oct. 7.
Telephone system. T. G. Walsh. 2,597,209, May 20.
Telephone system, Automatic charge-recording. J. E. Ostline. 2,581,287, Jan. 1.
Telephone system, Automatic toll. P. Bakker. 2,607,854, Aug. 19.
Telephone system, Call data recording. R. E. Hersey and E. Vroom. 2,594,923, Apr. 29.
Telephone system, Call data recording automatic. H. D. Cahill, W. W. Carpenter, and T. L. Dimond. 2,599,358, June 3.
Telephone system, Crossbar. A. J. Busch. 2,585,904, Feb. 19.
Telephone system, Discriminating service. C. B. Lomax. 2,615,092, Oct. 21.
Telephone system having automatic amplifier insertion and gain setting, Toll switching. J. Wicks. 2,580,709, Jan. 1.
Telephone system, Intercommunication. E. Ivens and H. G. Wall. 2,623,124, Dec. 23.
Telephone system, Interoffice. R. Crane, Jr., and G. R. Gamertsfelder. 2,584,259, Feb. 5.
Telephone system, Message data recording. J. E. Ostline. 2,586,704, Feb. 19.
Telephone system provided with party lines, Automatic. C. E. Lomax. 2,592,813, Apr. 15.
Telephone system providing operator service when all trunks are busy. R. F. Stehlik. 2,588,686, Mar. 11.
Telephone system, Recording. F. J. Scudder. 2,595,106, Apr. 29.
Telephone system, Relay automatic. J. H. Voss and R. W. Jones. 2,621,257, Dec. 9.
Telephone system, Restricted service. P. Bakker. 2,592,784, Apr. 15.
Telephone system, Toll switching. H. W. Balzer. 2,596,833, May 13.
Telephone system, Toll switching. H. W. Balzer. 2,621,258, Dec. 9.
Telephone system with cyclic route busy test. R. Mercer. 2,621,255, Dec. 9.
Telephone system with main and secondary register. J. E. Ostline. 2,618,708, Nov. 18.
Telephone test selector. F. Kessler and W. T. Powell. 2,623,956, Dec. 30.
Telephone tray and retractable memo pad. F. H. Rice. 2,582,562, Jan. 15.
Teleprinter receiver device. H. Wüsteney. 2,610,247, Sept. 9.
Telescope and view finder with prismatic optical system. E. L. Lane. 2,619,874, Dec. 2.
Telescope focusing system, Two-mirror. P. H. Taylor. 2,608,129, Aug. 26.
Telescope for image projectors, Viewing. W. Borberg. 2,588,201, Mar. 4.
Telescope mounting for guns. D. D. Demick and J. J. Bartolat. 2,622,329, Dec. 23.
Telescope sight mount. T. R. Felix. 2,597,466, May 20.
Telescope sight mount for firearms. T. R. Felix. 2,583,260, Jan. 22.
Telescopic ash receiver. R. R. Rundell. 2,590,043, Mar. 18.
Telescopic hanger. R. W. Cashen, Jr. 2,587,111, Feb. 26.
Telescopic hydraulic jack. J. L. Gratzmuller. 2,618,122, Nov. 18.
Telescopic hydraulic mine roof support. G. H. Dowty. 2,621,631, Dec. 16.
Telescopic shafting arrangement. G. Garnier. 2,598,780, June 3.
Telescoping box. C. W. Dennis. 2,596,218, May 13.
Telescoping conveyer line. J. J. McLaughlin. 2,613,788, Oct. 14.
Telescoping door. L. Garcia. 2,614,626, Oct. 21.
Telescoping fishing rod. J. W. Koos. 2,597,738, May 20.
Telescoping handle. H. D. Morris and C. H. Ellason. 2,606,050, Aug. 5.
Telescoping handle. R. H. Morseth. 2,595,597, May 6.
Telescoping pull-out side for trailers. C. R. L. Johnson. 2,606,057, Aug. 5.
Teletype measuring system. L. M. Carver. 2,619,542, Nov. 25.
Television and like transmitting apparatus. R. S. Webley. 2,596,061, May 6.
Television antenna assembly. J. P. Jones, Jr. 2,582,634, Jan. 15.
Television apparatus and method for phase-shift scanning. P. M. G. Toulon. 2,623,196, Dec. 23.
Television camera and prompter, Combined. M. M. Thielen. 2,598,947, June 3.
Television camera tube. J. M. Cage. 2,618,758, Nov. 18.
Television, Color. A. V. Bedford. 2,602,854, July 8.
Television, Color. A. H. Rosenthal. 2,601,328, June 24.
Television color screen. C. W. Geer. 2,622,220, Dec. 16.
Television converter system. H. A. Affel and J. B. Maggio. 2,608,617, Aug. 26.
Television film scanner. G. C. Sziklai and A. V. Bedford. 2,590,281, Mar. 25.
Television image tube. P. Schagen. 2,622,219, Dec. 16.
Television kinescope projection circuit. R. F. Snyder and W. S. Lee. 2,584,932, Feb. 5.
Television phase-actuated control equipment. H. R. Lubcke and J. P. Dean. 2,623,173, Dec. 23.
Television photographic device. W. F. Kroemmelbein, Jr. 2,612,824, Oct. 7.
Television pickup tube. R. Theile. 2,622,226, Dec. 16.
Television picture window construction. C. L. Ackerman. 2,618,695, Nov. 18.
Television receiver. G. D. Hulst. 2,611,881, Sept. 23.
Television receiver. P. J. H. Janssen. 2,591,264, Apr. 1.
Television receiver chassis. M. J. Morris. 2,605,351, July 29.
Television receiver, Color. G. Valensi. 2,606,962, Aug. 12.
Television receiver image-size control switch. W. P. Czeropski, Jr., and R. O. Gray. 2,586,521, Feb. 19.
Television receiver output transformer. R. O. Gray. 2,612,545, Sept. 30.
Television receiver squelching circuit. R. A. Cunningham. 2,602,855, July 8.
Television receiver with sound recurring as pulses during blanking periods. D. I. Lawson and A. V. Lord. 2,589,100, Mar. 11.
Television receiving apparatus. E. W. Bull. 2,613,333, Oct. 7.
Television receiving system. A. C. Schroeder. 2,596,918, May 13.
Television scanning apparatus. A. C. Stocker. 2,597,683, May 20.
Television scanning circuits. P. R. J. Court. 2,606,305, Aug. 5.
Television scanning system. E. O. Lawrence. 2,619,612, Nov. 25.
Television service man's illuminated line cord. G. M. Bronson, Sr., and J. Achilli. 2,622,214, Dec. 16.
Television signal control system. R. Serrell. 2,611,819, Sept. 23.
Television signal converter. G. C. Sziklai. 2,598,857, June 3.
Television size-control circuit. J. E. Bridges. 2,606,306, Aug. 5.
Television still-picture transmitting and recording system. J. H. Hammond, Jr. 2,611,027, Sept. 16.
Television sweep circuits. W. K. Hodder, L. L. Pourciau, and R. W. Lee. 2,584,268, Feb. 5.
Television sweep system. G. W. Fyler and R. M. Crooker. 2,611,106, Sept. 16.
Television sync separator. K. R. Wendt. 2,601,191, June 17.
Television synchronizing system, Color. R. O. Gray. 2,601,516, June 24.
Television system. J. H. Homrighous. 2,612,553, Sept. 30.
Television system, Color. J. E. Evans. 2,580,903, Jan. 1.
Television system, Color. J. H. Homrighous. 2,605,349, July 29.
Television system, Color. R. H. Rines. 2,615,087, Oct. 21.
Television system, Color. S. S. Roth. 2,598,941, June 3.
Television system, Color. S. S. Roth. 2,623,190, Dec. 23.
Television system, Color. G. C. Sziklai. 2,606,246, Aug. 5.
Television system, Color. P. K. Weimer. 2,595,553, May 6.
Television system, Color. P. K. Weimer. 2,618,700, Nov. 18.
Television system, Three color. F. E. Oakhill. 2,586,558, Feb. 19.
Television test signal generator. S. Doba, Jr., and J. J. Jansen. 2,595,646, May 6.
Television test signal generator. E. O. Holland and J. B. Smith. 2,591,816, Apr. 8.
Television time base circuit. B. R. Overton. 2,596,590, May 13.
Television tuner. N. E. Washburn. 2,587,419, Feb. 26.
Television tuner. R. R. Wingert. 2,584,176, Feb. 5.
Television tuning apparatus with channel selecting switch. H. N. Frihart and E. B. Hassler. 2,598,247, May 27.
Television tuning indicator. D. Felt. 2,615,420, Oct. 28.
Television transmission system. W. W. Eitel and J. A. McCullough. 2,618,745, Nov. 18.
Television transmission system. A. Vorms. 2,611,028, Sept. 16.
Television transmitting controllable marking system. R. T. Clayden and W. R. Gibson. 2,621,246, Dec. 9.
Television transmitting tube. F. de Boer, H. Bruining, and P. Schagen. 2,617,058, Nov. 4.
Television tube face, Producing. V. M. Gilstrap and J. W. Falls. 2,622,016, Dec. 16.
Television type facsimile receiving system. J. H. Hammond, Jr. 2,623,117, Dec. 23.
Temperature and humidity control for refrigerated display cases. M. W Steelman. 2,608,831, Sept. 2.
Temperature and volume control valve. W. C. Trautman. 2,607,600, Aug. 19.
Temperature change responsive means for controlling electric circuits. W. H. Ruffle. 2,589,869, Mar. 18.
Temperature compensated cavity resonator structure. V. R. Learned. 2,606,302, Aug. 5.
Temperature compensated contactor. R. S. Hart. 2,608,604, Aug. 26.
Temperature compensated gauge. R. S. Fox and A. M. Dexter, Jr. 2,603,001, July 15.
Temperature compensated means for measuring differential pressures. B. Jones. 2,590,324, Mar. 25.

Temperature compensated resonant cavity. A. D. Ehrenfried. 2,600,225, June 10.
Temperature-compensated target assembly for color-kinescopes, etc. R. D. Faulkner and W. A. Bentley. 2,611,100, Sept. 16.
Temperature-compensated viscous timing device. P. G. Exline. 2,604,163, July 22.
Temperature-compensating conductivity cell. P. J. Cade and B. E. Shaw. 2,611,007, Sept. 16.
Temperature compensating means for refractometers and the like. M. L. Polanyi. 2,619,003, Nov. 25.
Temperature compensation magnetometer indicator. F. W. Lee. 2,615,957, Oct. 28.
Temperature compensator for capacitors. F. B. Rolfson. 2,588,882, Mar. 11.
Temperature control and illuminating light container for refrigerator cabinets, Combination. A. R. Edwards. 2,618,126, Nov. 18.
Temperature control apparatus. G. T. Gaddis. 2,581,525, Jan. 8.
Temperature control apparatus. M. R. Miller. 2,610,797, Sept. 16.
Temperature control apparatus. M. R. Smith. 2,604,267, July 22.
Temperature control apparatus for machines. B. S. Williams. 2,606,747, Aug. 12.
Temperature control device. S. G. Eskin and H. W. Rice. 2,610,678, Sept. 16.
Temperature control for air blending heating systems. T. J. Lehane and E. W. Johnson. 2,607,532, Aug. 19.
Temperature control in shock-chilling petroleum vapor phase conversion products. W. W. Holland. 2,608,527, Aug. 26.
Temperature control device. N. Miller. 2,585,340, Feb. 12.
Temperature control device. N. Miller. 2,611,845, Sept. 23.
Temperature control device. P. Spence. 2,583,236, Jan. 22.
Temperature control device. E. F. Weiser. 2,591,392, Apr. 1.
Temperature control dial for electric irons. J. E. Vance. 2,613,460, Oct. 14.
Temperature-controlled film processing apparatus. C. Katzen and T. R. Games. 2,621,571, Dec. 16.
Temperature control, Fluid. G. A. Taylor. 2,597,203, May 20.
Temperature control for electric blankets, Secondary. A. J. Huck. 2,592,525, Apr. 15.
Temperature control for regulating motor-driven fans, Automatic. A. D. Rapuano. 2,586,992, Feb. 26.
Temperature control of adsorption systems. J. P. Morgan and J. A. Patterson. 2,592,453, Apr. 8.
Temperature control system. R. H. Hunter. 2,616,451, Nov. 4.
Temperature control system. E. A. Jones. 2,587,733, Mar. 4.
Temperature control system. H. R. Karp and A. W. Blanchard. 2,616,018, Oct. 28.
Temperature control system. J. A. H. Sargeaunt. 2,603,422, July 15.
Temperature control system, Fluid heater. C. H. Barnard. 2,586,503, Feb. 19.
Temperature control system for a fluid under pressure. T. S. Sprague and B. N. McDonald. 2,594,818, Apr. 29.
Temperature control system for a plurality of enclosed spaces. T. J. Lehane. 2,607,534, Aug. 19.
Temperature control valve. R. D. Heitchue. 2,599,175, June 3.
Temperature controlled fluid supply apparatus. H. E. Buecken. 2,600,842, June 17.
Temperature controlled gas analysis apparatus. L. V. Guild. 2,616,628, Nov. 4.
Temperature controlled oil system. R. W. Jensen. 2,614,575, Oct. 21.
Temperature-controlled soldering iron. H. A. Dvorak, J. W. Juvinall and M. R. Miller. 2,582,481, Jan. 15.
Temperature controller for air-conditioning systems. W. J. Hajek. 2,584,445, Feb. 5.
Temperature controlling device. C. C. De Witt. 2,618,722, Nov. 18.
Temperature detector and lead assembly construction. E. S. Dawson, Jr. 2,619,573, Nov. 25.
Temperature equalizer for mercury tube switches. J. Ostlind and W. L. Werner. 2,605,307, July 29.
Temperature indicating device. A. E. Ballard, C. W. Zuehlke, and C. F. H. Allen. 2,614,430, Oct. 21.
Temperature indicating unit. G. Jackson. 2,598,551, May 27.
Temperature indicator device. J. Miller. 2,608,862, Sept. 2.
Temperature measuring apparatus. W. H. Wannamaker, Jr. 2,616,296, Nov. 4.
Temperature mensuring device. W. J. B. Jansen. 2,581,796, Jan. 8.
Temperature pickup element. J. D. Donna. 2,583,293, Jan. 22.
Temperature probe. W. L. Howland. 2,588,840, Mar. 11.
Temperature regulating apparatus for internal-combustion engines. C. M. Backus. 2,617,399, Nov. 11.
Temperature regulating system. C. L. Mershon. 2,600,313, June 10.
Temperature regulating system. C. L. Mershon. 2,608,635, Aug. 26.
Temperature regulating water circulator for molding presses and other purposes. G. C. Becker. 2,598,966, June 3.
Temperature regulation, Automatic. W. Galeazl. 2,584,691, Feb. 5.
Temperature regulation of air heaters. C. F. Hawley. 2,582,830, Jan. 15.
Temperature regulator for secondary volatile refrigerant circuit. C. F. Alsing. 2,598,335, May 27.
Temperature-relay. C. H. van Toorn. 2,622,170, Dec. 16.
Temperature responsive control circuit. E. G. Holmes. 2,588,926, Mar 11.
Temperature responsive control device. J. O. Thorsheim. 2,620,414, Dec. 2.
Temperature-responsive control system for operating heat metering devices or the like. H. H. Johnson. 2,617,864, Nov. 11.
Temperature-responsive device. I. J. Barsy. 2,609,406, Sept. 2.
Temperature responsive detector system. W. Heath, Jr. 2,615,973, Oct. 28.
Temperature responsive measuring and indicating apparatus. K. T. Kille. 2,598,178, May 27.
Temperature responsive measuring and indicating apparatus. K. T. Kille. 2,599,459, June 3.
Temperature responsive signaling and locating system. D. C. Spooner, Jr. 2,581,213, Jan. 1.
Temperature-responsive throttling valve. C. D. MacCracken and C. W. Wood. 2,590,112, Mar. 25.
Temperature responsive variable reactance. P. H. Estes. 2,620,469, Dec. 2.
Temperature-sensing and/or sound velocity-measuring device. R. S. Cesaro and H. B. Harris. 2,582,232, Jan. 15.
Tempering means for shielding the bearings of centrifugal compressors. W. H. Church and M. Haeberlein. 2,604,257, July 22.
Template, Adjustable. E. E. Frisk. 2,612,700, Oct. 7.
Template and gauge, Composite. R. G. Emerson. 2,599,050, June 3.
Template controlled machine tool. M. Turchan and W. G. Hoelscher. 2,603,117, July 15.
Template cutting machine. W. Kirkman and G. J. Barnett. 2,612,689, Oct. 7.
Template, Draftman's. J. F. Collins. 2,604,702, July 29.
Template for lock mortises. R. R. Josephson. 2,585,470, Feb. 12.
Template making scriber. A. Del Debbio. 2,600,098, June 10.
Templates, Making. S. P. Kish. 2,621,366–7, Dec. 16.
Temple for ophthalmic mountings, Making a. G. R. Hoffmaster. 2,591,154, Apr. 1.
Temple hinge mounting providing catch and stop surfaces. J. N. Nelson. 2,608,905, Sept. 2.
Temple mounting means for looms. E. J. Berry and G. T. Allenson. 2,598,882, June 3.
Temple mounting means for looms. E. C. Nichols. 2,598,821, June 3.
Templet etching device. R. I. Lowndes, Jr. 2,583,578, Jan. 29.
Templet for centering loose objects. G. Starre. 2,583,310, Jan. 22.
Temporarily increasing the power of hot-gas engines, Method and apparatus for. W. J. van Heeckeren and H. Rinia. 2,596,057, May 6.
Temporary button fastener. J. Auer. 2,597,051, May 20.
Temporary protective coating and method of vulcanizing. S. T. Semegen. 2,611,153, Sept. 23.
Ten key coin issuing device. R. H. Damon, H. E. Forester, and F. C. Sturrock. 2,605,774, Aug. 5.
Ten-key keyboard mechanism for accounting machines. F. J. Furman, H. L. Read, and H. J. Kistner. 2,615,633, Oct. 28.
10-pyrrolidinoacyl-phenothiazines and salts thereof. J. R. Dahlbom and T. K. I. B. Ekstrand. 2,615,886, Oct. 28.
10-(quaternary-ammonium alkyl) phenothiazine salts. R. A. Robinson and J. W. Cusic. 2,590,125, Mar. 25.
Tenderizing casings. F. L. Kauffman and W. M. Urbain. 2,608,487, Aug. 26.
Tenderizing machine, Meat. L. E. Moree. 2,607,951, Aug. 26.
Tenderizing machine, Meat. G. R. Wood. 2,607,950, Aug. 26.
Tendon protector. L. B. Jennett. 2,617,207, Nov. 11.
Tennis ball, Pressure packaged. J. R. Gammeter. 2,582,982, Jan. 22.
Tensile force resistant buckle assembly. H. S. van Buren, Jr. 2,585,900, Feb. 12.
Tensile testing device. J. J. Perot, Jr., and G. Cawley. 2,597,812, May 20.
Tension adjusting apparatus. H. L. Clark. 2,624,027, Dec. 30.
Tension adjustment for canvas cots. P. E. Siggers. 2,611,908, Sept. 30.
Tension adjustment for folding canvas cots. S. Backer. 2,611,906, Sept. 30.
Tension arm. B. B. Scott and G. F. Greene. 2,605,055, July 29.
Tension bolted frame construction. N. H. Franks. 2,588,818, Mar. 11.

Tension brake device. C. L. Patterson. 2,592,595, Apr. 15.
Tension control and stop motion for stranded wire cable making machines. F. A. Clary, Jr., and G. N. Willis. 2,593,984, Apr. 22.
Tension control system. W. T. Hunt, Jr. 2,601,527, June 24.
Tension control system. G. P. Lessmann. 2,605,101, July 29.
Tension control system. A. W. Sear. 2,609,998, Sept. 9.
Tension controlling means for strip material. G. T. W. Grieve. 2,623,345, Dec. 30.
Tension device. A. J. Ammerall. 2,614,773, Oct. 21.
Tension device. G. P. Lessmann. 2,583,780, Jan. 29.
Tension meter. E. J. Saxl. 2,591,724, Apr. 8.
Tension press for sheet materials. J. H. Pearce. 2,604,037, July 22.
Tension releasing device for sewing machines. E. P. Turner. 2,582,211, Jan. 8.
Tension responsive control system. B. J. Auburn and G. P. Lassmann. 2,583,078, Jan. 22.
Tension screen. J. M. Gwynne. 2,618,332, Nov. 18.
Tension testing apparatus. L. F. Guimbretiere and E. J. Sorez. 2,621,512, Dec. 16.
Tension warp letoff for looms. G. A. Geeraert. 2,582,863, Jan. 15.
Tension-winder or reel for strip material, Collapsible. T. Sendzimir. 2,591,730, Apr. 8.
Tension yoke for compression load weighing units. E. J. Jones. 2,590,626, Mar. 25.
Tensioning and detent means for strip film projectors. T. I. Ress. 2,622,476, Dec. 23.
Tensioning and joining device for strap ends. W. A. Meighan and T. L. Hume. 2,611,164, Sept. 23.
Tensioning device. T. B. Keesling. 2,590,183, Mar. 25.
Tensioning device. D. W. O'Malley. 2,596,428, May 13.
Tensioning device for film reel shafts. C. R. Yirava. 2,600,601, June 17.
Tensioning device for storm windows. W. M. Krantz. 2,614,297, Oct. 21.
Tensioning device for the warp threads in circular looms. C. Christiansen and G. O. K. Rüsch. 2,603,240, July 15.
Tensioning means for bow saw frame. D. D. Terrill. 2,613,709, Oct. 14.
Tensioning means for loom warp beams. R. M. Taylor. 2,586,116, Feb. 19.
Tensioning means for loom warp beams. R. M. Taylor. 2,604,121, July 22.
Tensioning tool. W. C. Childress. 2,621,893, Dec. 16.
Tent attachment for motor vehicles. A. G. Sherman, A. G. Sherman, Jr., and G. H. Sherman. 2,604,671, July 29.
Tent, Automobile. S. F. Eskew. 2,585,449, Feb. 12.
Tent, Foldable. A. L. McGanty. 2,623,532, Dec. 30.
Tent for automobile tops, Folding. J. Otvos. 2,600,799, June 17.
Tent, Inflatable sectional. E. B. Katzenmeyer and C. P. Krupp. 2,591,829, Apr. 8.
Tenter clip. P. Deck. 2,589,060, Mar. 11.
Tenter drier. M. Shegda. 2,591,621, Apr. 1.
Tepee. M. J. Scholting. 2,596,442, May 13.
Terminal and contact construction for electric switches. E. N. Jacobi. 2,606,264, Aug. 5.
Terminal and contact construction for electric switches. E. N. Jacobi. 2,612,577, Sept. 30.
Terminal assembly for electric-cell batteries. J. L. Peterson. 2,611,794, Sept. 23.
Terminal block. J. K. Hoover. 2,588,726, Mar. 11.
Terminal bushing with thin paper insulation. L. P. Macardier. 2,606,950, Aug. 12.
Terminal equipment for aircraft. F. R. Harris. 2,594,773, Apr. 29.
Terminal for wristbands for watches. F. Jaccarino and A. Pinson. 2,585,326, Feb. 12.
Terminal having solderless conductor clamping means. G. Pavlinetz. 2,603,679, July 15.
Terminal, High-frequency. J. R. Woodyard. 2,603,711, July 15.
Terminal with insulation piercing ferrule. F. L. Pierce. 2,617,845, Nov. 11.
Terpene-phenolic reaction production. L. M. Geiger. 2,596,235, May 13.
Tertiary alcohols. E. G. E. Hawkins and F. E. Salt. 2,590,176, Mar. 25.
Tertiary alkylcyanamides. N. M. Bortnick. 2,606,923, Aug. 12.
Tertiary-alkyl isocyanates, Preparation of. N. M. Bortnick. 2,611,782, Sept. 23.
Tertiary alkyl trithiocarbonates, Making. W. W. Crouch, T. F. Crosnoe and R. T. Werkman. 2,600,737, June 17.
Tertiary amine salts of 3,7-diaminodibenzothiophenedioxide 2,8-disulfonic acid. R. S. Long and S. M. Tsang. 2,590,632, Mar. 25.
Tertiary-aminoalkyl diarylmethyl sulfones and their preparation. S. Archer and C. M. Suter. 2,618,637, Nov. 18.
Tertiary aminomethylbenzenes. J. O. Van Hook and W. J. Croxall. 2,613,208, Oct. 7.
Tertiary-amino-1-aryl-1-(4-quinolyl)alkanes and preparation thereof. A. R. Surrey and R. A. Cutler. 2,608,559, Aug. 26.
Tertiary-amino-2-aryl-2-(4-quinolyl)alkanamides and their preparation. A. R. Surrey and R. A. Cutler. 2,608,558, Aug. 26.
Tertiary butyl amines and their preparation. L. L. Abell, W. F. Bruce and J. Seifter. 2,590,079, Mar. 25.
Tertiary-butyl halide promoters in Friedel-Crafts catalyzed olefin polymerizations. D. C. Walsh, Jr., and H. G. Schutze. 2,581,154, Jan. 1.
Tertiary butyl secondary amines and preparing the same. W. F. Bruce. 2,597,446, May 20.
Tertiary-octylated biphenyls. G. H. Coleman and R. H. Rigterink. 2,617,837, Nov. 11.
Tert-octyl di(cyanomethyl)amine. W. E. Craig and M. J. Culver. 2,589,208, Mar. 18.
Test and repair bench for heat exchangers. D. Langfeld, R. Leckey, R. A. Alson, and E. G. Webb. 2,595,471, May 6.
Test apparatus for internal-combustion engines. A. E. Traver. 2,608,093, Aug. 26.
Test board for telephone systems. F. Kessler. 2,617,896–7, Nov. 11.
Test clamp for test specimen. R. W. Rogers and S. Reback. 2,600,923, June 17.
Test device for determining time delay in pulse repeaters. A. F. Hasbrook. 2,604,622, July 22.
Test film for motion-picture projectors. E. W. Kellogg. 2,592,291, Apr. 8.
Test fixture for vacuum tube sockets. H. W. Clifford and R. MacDonald. 2,593,269, Apr. 15.
Test means for aircraft gyro-controlled attitude indicator. A. J. McEwan. 2,603,696, July 15.
Test milking apparatus. J. W. L. Atterling, E. Redin, and H. Ryde. 2,588,461, Mar. 11.
Test set for measuring the angle represented by synchro voltages. J. H. Gerth. 2,609,435, Sept. 2.
Test set for pulse-echo radio locators. D. R. Corsen and H. L. Schultz. 2,597,297, May 20.
Test strips for detecting low concentrations of chlorine in air. D. A. Cook. 2,606,102, Aug. 5.
Tester for airplane fabrics, Puncture-type. T. E. Hughes. 2,588,387, Mar. 11.
Testing and analyzing the condition of soil. C. M. Woodruff. 2,604,382, July 22.
Testing and locating faults in continuous conductors, Method and apparatus for. R. F. Miller. 2,615,076, Oct. 21.
Testing apparatus. L. J. Cunningham. 2,582,011, Jan. 8.
Testing apparatus. W. O. Gassett. 2,595,518, May 6.
Testing apparatus. R. L. Jackman. 2,588,630, Mar. 11.
Testing apparatus for radio communication systems. R. B. Haner, Jr. 2,617,938, Nov. 11.
Testing apparatus for scale models of aerodynamic ducts. R. Leduc. 2,618,972, Nov. 25.
Testing apparatus for the measurement of the internal physical properties of solids. A. Kepes. 2,614,415, Oct. 21.
Testing apparatus for voltage regulators for automotive vehicles. I. W. Lacher. 2,598,802, June 3.
Testing arrangement for automatic telegraph switching system. W. B. Blanton and A. H. Scheinman. 2,611,026, Sept. 16.
Testing device. J. S. Kopas. 2,586,234, Feb. 19.
Testing device for voltage and current regulators. J. Agin. 2,611,806, Sept. 23.
Testing equipment for automatic telephone systems. E. F. Lewis. 2,585,023, Feb. 12.
Testing fluid ducts. J. M. van Rooy. 2,612,037, Sept. 30.
Testing for excess moisture content in refrigerating systems. P. F. Schreiber. 2,613,534, Oct. 14.
Testing for quaternary ammonium compounds. D. B. Conklin. 2,599,697, June 10.
Testing lubricating oil. A. C. Mengel. 2,619,408, Nov. 25.
Testing machine for ball bearings. V. D. Barker and C. D. Hudson. 2,608,090, Aug. 26.
Testing machine marking means. D. C. Scott and F. A. Valentine. 2,601,130, June 17.
Testing pedestal for radar antenna. E. E. Mellstrup and R. M. Sigmon, Jr. 2,600,513, June 17.
Testing pipe. F. W. Berry. 2,610,691, Sept. 16.
Testing prophylactic articles, Method and apparatus for. E. S. Killian. 2,622,129, Dec. 16.
Testing refrigerating brines. C. B. Hill. 2,604,381, July 22.
Testing springs, Method and apparatus for. J. A. Nodson. 2,585,960, Feb. 19.
Testing surface defects. J. W. Sawyer. 2,601,703, July 1.
Testing suspensions, Method and apparatus for. R. A. Robinson and W. F. Eberz. 2,599,583, June 10.
Testing watt-hour meters. R. A. K. Fleischmann. 2,599,378, June 3.
Testing wood. O. C. Hagan. 2,606,294, Aug. 5.
Testosterone, Producing. G. Rosenkranz, S. Kaufmann, and J. Romo. 2,609,378, Sept. 2.
Tethered flying model and object releasing mechanism. D. J. Byers. 2,580,405, Jan. 1.
Tethering device. E. H. Ashbaugh. 2,607,320, Aug. 19.
Tetraalkyl monothiopyrophosphate as an insecticide. G. M. Kosolapoff. 2,582,204, Jan. 8.
Tetraalkylstilbene quinones and tetraalkoxystilbene quinones, Production of. W. K. T. Gleim, A. Gaydasch, and R. H. Rosenwald. 2,593,746, Apr. 22.
Tetraborate detergent composition and making the same. H. L. Sanders. 2,623,856, Dec. 30.
Tetra (carboxy phenyl) thiophene and making same. W. G. Toland, Jr. 2,610,191, Sept. 9.

Tetrachloroethylene stabilized by 2-halothiophene. R. S. Cooper. 2,621,215, Dec. 9.
Tetrachlorothiolane and preparing the same. P. D. Caesar. 2,599,432, June 3.
Tetraethyllead, Manufacture of. H. Shapiro. 2,597,754, May 20.
Tetraethyl pyrophosphate, Preparation of. J. B. Dickey and H. W. Coover, Jr. 2,600,378, June 17.
Tetrafluoroethylene from a salt of trifluoroacetic acid, Production of. J. D. La Zerte. 2,601,536, June 24.
Tetrafluoroethylene polymer compositions. W. E. Llewellyn. 2,586,357, Feb. 19.
Tetrafluoroethylene polymer compositions, Producing. J. F. Lontz and L. E. Robb. 2,593,582, Apr. 22.
Tetraglycine dihydroheptiodide and making the same. W. S. Frost. 2,583,559, Jan. 29.
Tetrahydrobenzothiazole sulfenamides. G. E. P. Smith, Jr. 2,581,932, Jan. 8.
Tetrahydrofurano immonium salts and their preparation. P. N. Craig. 2,618,638, Nov. 18.
Tetrahydropyranyl ethers. C. W. Smith. 2,619,491, Nov. 25.
Tetra-isobutylene, Preparation of. D. R. Stevens and R. S. Bowman. 2,588,425, Mar. 11.
Tetrakisazo dyestuffs. W. Anderau. 2,602,788, July 8.
Tetrakisazo dyestuffs. W. Bossard and O. Bitterlin. 2,603,631, July 15.
Tetramethyl-thiuram-disulfide. M. L. Nadler. 2,605,255, July 29.
Tetranitropropane. J. A. Hannum and M. Frumin. 2,583,048, Jan. 22.
Tetrapolyphosphoric phosphonates, Making. H. J. Hagemeyer, Jr. 2,596,679, May 13.
Tetrathioethers of pentaerythritol. R. T. Sanderson. 2,602,050, July 1.
Textile apparatus. T. Eccles and H. Halkyard. 2,585,097, Feb. 12.
Textile bobbin. F. P. Douglas. 2,618,443, Nov. 18.
Textile combing. S. L. Abbott. 2,602,194, July 8.
Textile container with slotted corners. M. T. Hunsworth. 2,581,105, Jan. 1.
Textile control. W. C. Anderson. 2,596,973, May 20.
Textile decorating emulsion. O. Linkletter. 2,600,890, June 17.
Textile detecting device. W. C. Anderson. 2,613,692, Oct. 14.
Textile device. E. R. Stahl. 2,594,509, Apr. 29.
Textile drafting mechanism. D. A. Cabot. 2,618,024, Nov. 18.
Textile drafting mechanism. B. C. Shaw. 2,588,420, Mar. 11.
Textile drawing roll. M. W. Taylor. 2,584,640, Feb. 5.
Textile dressing materials. E. B. Thomas and H. F. Oxley. 2,614,984, Oct. 21.
Textile fabric. A. Johnson and J. B. Speakman. 2,592,153, Apr. 8.
Textile fabric and knitting the same. E. J. Slater. 2,608,079, Aug. 26.
Textile fabrics and producing same, Resin impregnated. A. Silver. 2,593,207, Apr. 15.
Textile fabrics resistant to fungi and bacteria, Water-repellent. P. V. Keyser, Jr., J. W. Schick, and H. D. Hartough. 2,582,870, Jan. 15.
Textile fiber drafting frame. W. F. Bird. 2,607,083, Aug. 19.
Textile finishing agent. C. Spatt. 2,609,350, Sept. 2.
Textile inspection apparatus. J. Gift. 2,615,334, Oct. 28.
Textile inspection apparatus. H. Tobler, Jr. 2,583,674, Jan. 29.
Textile intermediate product and manufacturing the same. V. Mössmer. 2,587,877, Mar. 4.
Textile machine. J. Dotti. 2,596,764, May 13.
Textile material. T. H. Hilliard. 2,616,278, Nov. 4.
Textile printing. E. Owren and E. Karolczuk. 2,590,643, Mar. 25.
Textile printing machine. L. Galan. 2,614,490, Oct. 21.
Textile product. A. H. Little. 2,615,231, Oct. 28.
Textile product, Producing a. R. J. Mann and J. Biedawski. 2,610,384, Sept. 16.
Textile treating compositions. H. F. Oxley, E. B. Thomas, and H. C. Murfitt. 2,597,947, May 27.
Textile treating compounds. W. L. Dills. 2,607,729, Aug. 19.
Thaw drain device for curbs. P. C. Messiah. 2,604,023, July 22.
Thaw indicator. C. C. Chapple. 2,617,734, Nov. 11.
Thawing pit for railway cars. M. J. Parker and A. J. Turpin. 2,598,293, May 27.
Theater chair back mounting construction. I. R. Bromagem. 2,610,669, Sept. 16.
Theater chair with automatic tie-up seat. L. Larsen and J. Eckert. 2,608,238, Aug. 26.
Theftproof display stand. A. H. Shearer. 2,604,868, July 29.
Therapeutic aid. B. Hill. 2,608,073, Aug. 26.
Therapeutic apparatus, High-frequency. H. S. Rubens. 2,611,365, Sept. 23.
Therapeutic apparatus, Suction applying. E. Adler. 2,597,966, May 27.
Therapeutic compositions. D. A. McGinty. 2,589,210, Mar. 18.
Therapeutic device. R. W. Hodgson, 2,622,200, Dec. 16.
Therapeutic lamp support and control. R. J. Harkenrider. 2,611,367, Sept. 23.
Therapeutic preparation comprising benzyl cinnamate and vitamin A. J. Jacobson. 2,592,149, Apr. 8.
Therapeutic products. E. J. Matson and L. W. Clemence. 2,606,200, Aug. 5.
Therapeutic vibrator. D. M. Peterson. 2,587,207, Feb. 26.
Therapy tank. A. F. Landergott. 2,587,335, Feb. 26.
Therapy X-ray system. R. L. Wright and M. E. Hayes. 2,611,096, Sept. 16.
Thermal conductivity bridge for gas analysis. C. C. Minter. 2,585,959, Feb. 19.
Thermal control apparatus with signal means. J. M. Wilson. 2,592,989, Apr. 15.
Thermal cutout switch. E. A. Havasi. 2,593,301, Apr. 15.
Thermal diffusion apparatus. O. M. Hanson. 2,585,244, Feb. 12.
Thermal drive method for recovery of oil. E. S. Merriam and F. Squires. 2,584,605–06, Feb. 5.
Thermal-electric flowmeter for fluid flow measurement in boreholes. R. G. Piety. 2,620,658, Dec. 9.
Thermal insulation. G. E. Gronemeyer. 2,613,166, Oct. 7.
Thermal-magnetic relay. J. D. Russell. 2,610,271, Sept. 9.
Thermal metering apparatus. B. J. Karez. 2,620,659, Dec. 9.
Thermal neutron detector element. H. W. Bousman. 2,599,156, June 3.
Thermal overload cutout for electrical apparatus. C. V. Starkey. 2,597,759, May 20.
Thermal overload relay. H. E. Cobb. 2,597,068, May 20.
Thermal overload release device for contactors or automatic circuit breakers. E. Besag and T. D. G. Wintle. 2,618,720, Nov. 18.
Thermal polymerization of alpha methyl styrenes. H. C. Highet, F. E. Salt, and H. M. Stanley. 2,595,581, May 6.
Thermal pressure equalizer. E. G. Gravenhorst. 2,611,393, Sept. 23.
Thermal process for beta conidendrin manufacture. W. M. Hearon and V. V. Jones. 2,610,970, Sept. 16.
Thermal relay. C. F. Grine. 2,605,308, July 29.
Thermal relay. A. P. Jackel. 2,611,056, Sept. 16.
Thermal relay. E. A. Miller. 2,599,473, June 3.
Thermal respirator. N. E. Phillips. 2,610,038, Sept. 9.
Thermal standard cell. T. A. Rich and J. E. Bigelow. 2,595,814, May 6.
Thermal starting switch. T. E. Foulke. 2,586,321, Feb. 19.
Thermal time delay device for jettisonable propulsion motors. A. Birnbaum. 2,581,164, Jan. 1.
Thermally actuated mercury switch. J. L. Slonneger. 2,611,057, Sept. 16.
Thermally actuated switch. C. I. Hall and J. L. Slonneger. 2,602,123, July 1.
Thermally compensated rubber springs. M. Mooney. 2,612,369, Sept. 30.
Thermally hardened porous solid. C. N. White. 2,611,750, Sept. 23.
Thermally responsive device. J. C. Albright. 2,593,238, Apr. 15.
Thermally vaporizable pesticide. J. Gillies and W. T. Cunningham. 2,606,858, Aug. 12.
Thermionic cathode. R. Loosjes and A. J. v. Genuchten. 2,614,942, Oct. 21.
Thermionic multiplying and measuring circuit. M. A. H. El-Said. 2,582,018, Jan. 8.
Thermionic tube control system. H. B. W. Holt. 2,607,005, Aug. 12.
Thermionic tube for amplification of ultrashort electric waves. A. Lerbs. 2,623,129, Dec. 23.
Thermionic valve. J. Bell. 2,621,310, Dec. 9.
Thermionic valve integrating circuit. L. E. Land. 2,582,490, Jan. 15.
Thermondhesive composition and composite closure liner formed therewith. L. F. Rogers and M. S. Ebert. 2,597,378, May 20.
Thermocabinet. W. Reynolds. 2,616,269, Nov. 4.
Thermochemical cutting and scarfing powder. R. L. Wagner. 2,598,025, May 27.
Thermochemically cutting ferrous metal. H. R. Fisher. 2,583,045, Jan. 22.
Thermocompressor. J. F. Plummer, Jr. 2,616,614, Nov. 4.
Thermocontact or fuse for alarm purposes. O. I. H. Ekman. 2,599,441, June 3.
Thermocouple. M. B. Nicholls. 2,597,665, May 20.
Thermocouple. J. D. Seaver. 2,587,391, Feb. 26.
Thermocouple. W. C. Troy and G. Steven. 2,588,998, Mar. 11.
Thermocouple and mounting clamp therefor. J. W. Kehoe. 2,607,808, Aug. 19.
Thermocouple bridge. D. T. Imler. 2,591,358, Apr. 1.
Thermocouple device. W. F. Richards. 2,584,615–16, Feb. 5.
Thermocouple hot wire anemometer. A. R. Hoffmann and W. J. Crump. 2,580,782, Jan. 1.
Thermocouple means. W. E. Brandau. 2,611,791, Sept. 23.
Thermodynamic engine. P. Kollsman. 2,597,249, May 20.
Thermoelectric control system. W. A. Ray. 2,592,952, Apr. 15.
Thermoelectric device. H. T. Faus. 2,602,095, July 1.
Thermoelectric device. J. A. Malze. 2,622,116, Dec. 16.
Thermoelectric gas valve. V. R. Pawelsky, L. V. McCarty, and C. E. Zarwell. 2,583,795, Jan. 29.
Thermoelectric generator. H. J. Findley. 2,588,508, Mar. 11.

Thermoelectric generator and casing therefor. C. E. Bodey. 2,605,296, July 29.
Thermoelectric power generator. W. W. Salisbury. 2,597,752, May 20.
Thermoelectric system for remote object images. R. H. Rines. 2,611,894, Sept. 23.
Thermoelectrically balanced meter network. G. S. Pawlicki. 2,588,564, Mar. 11.
Thermogenerator and pilot burner assembly. V. Weber and W. S. Kunzler. 2,610,984, Sept. 16.
Thermoluminescence radiation exposure meter. F. Daniels. 2,616,051, Oct. 28.
Thermolytic decomposition of heavy liquid hydrocarbons, Method and apparatus for the. F. M. Mora. 2,621,150, Dec. 9.
Thermomagnetic generator and refrigerator. C. Chilowsky. 2,619,603, Nov. 25.
Thermometer. J. J. Crawley. 2,612,046, Sept. 30.
Thermometer. E. I. and R. R. Dillon. 2,616,297, Nov. 4.
Thermometer. F. H. Mumberg. 2,597,362, May 20.
Thermometer. P. D. Zemany. 2,612,048, Sept. 30.
Thermometer and determining temperature in a vacuum cooling chamber for cooling vegetables. R. L. Brunsing. 2,585,086, Feb. 12.
Thermometer and stirring rod, Combined. F. P. Knipper. 2,608,861, Sept. 2.
Thermometer, Bimetallic. A. H. Lamb. 2,597,939, May 27.
Thermometer case. J. J. Weber and R. M. Wilhelm. 2,586,448, Feb. 19.
Thermometer, Compensated. J. B. Peterson. 2,595,881, May 6.
Thermometer, Dial. A. D. Rose. 2,601,784, July 1.
Thermometer for use in the dairy industry, Bimetallic. A. H. Lamb. 2,603,091, July 15.
Thermometer, Furnace. G. L. Schwarz. 2,590,276, Mar. 25.
Thermometer holder. C. O. and E. M. Brown. 2,605,987, Aug. 5.
Thermometer, Industrial. P. F. K. Erbguth. 2,608,863, Sept. 2.
Thermometer, Mercurial minimum. J. M. Brady. 2,614,431, Oct. 21.
Thermometer, Oven. F. M. Osborne and E. Oblinger. 2,609,690, Sept. 9.
Thermometer, Resistance. E. A. De Bruyne. 2,612,780, Oct. 7.
Thermometer, Resistance. O. W. Roost. 2,590,041, Mar. 18.
Thermometer, Temperature compensated. R. E. Clarridge. 2,621,519, Dec. 16.
Thermometer, Underwater sampling. C. G. Harris. 2,609,689, Sept. 9.
Thermopitcher. A. O. Kirman. 2,599,332, June 3.
Thermoplastic adhesive. B. W. and A. F. Paré. 2,608,540, Aug. 26.
Thermoplastic adhesive compositions. R. C. McGaffin and A. G. Battaglia. 2,613,156, Oct. 7.
Thermoplastic adhesives. R. G. McGaffin and A. G. Battaglia. 2,613,191, Oct. 7.
Thermoplastic articles. R. L. Stern. 2,617,737, Nov. 11.
Thermoplastic cast material. J. J. Eberl. 2,616,418, Nov. 4.
Thermoplastic cellulose acetate composition, Producing a. B. T. Lamborn. 2,591,077, Apr. 1.
Thermoplastic compositions from resinous polymers of monovinyl aromatic hydrocarbons and butadienestyrene elastomers, Making. W. E. Donaldson and A. W. Hanson. 2,616,864, Nov. 4.
Thermoplastic compositions from resinous polymers of monovinyl aromatic hydrocarbons and rubber, Making. J. R. Dieckmann, L. W. Muscott, and A. F. Roche. 2,623,863, Dec. 30.
Thermoplastic compositions of improved impact strength and their production. R. F. Williams. 2,614,292, Oct. 21.
Thermoplastic compositions of water-soluble cellulose ethers. L. H. Silvernail. 2,602,755, July 8.
Thermoplastic resins and the production from such resins of threads, fibres, filaments and the like, Production of. A. S. Carpenter, F. Reeder and E. R. Wallsgrove. 2,602,075, July 1.
Thermoplastic tubing, Method and apparatus for making. L. M. Grimes. 2,607,078, Aug. 19.
Thermorelay element. I. S. Blonder. 2,609,466, Sept. 2.
Thermoresponsive coupling for differential pressure registering mechanism. H. J. Evans. 2,612,781, Oct. 7.
Thermo safety valve. C. A. Newman and R. S. Berry. 2,586,248, Feb. 19.
Thermosealing attachment. J. Halahan, T. F. Aronson and F. A. Lyon. 2,596,680, May 13.
Thermosealing device and sole therefor. E. C. Fichtner. 2,609,316, Sept. 2.
Thermoset resins, Preparation of. J. E. Koroly. 2,609,357, Sept. 2.
Thermosetting keratinoid compositions and making the same. E. Frankl. 2,623,039, Dec. 23.
Thermosetting resins and preparing same. G. E. Niles. 2,601,665, June 24.
Thermosetting resins from urea, an aldehyde and aminoaliphatic carboxyl compounds and derivatives thereof, Preparing. G. E. Niles. 2,601,666, June 24.
Thermostat. C. E. Armstrong. 2,613,298, Oct. 7.
Thermostat. F. and J. Reingruber. 2,584,924, Feb. 5.
Thermostat, Bimetal strip. C. L. Illiltenbrand. 2,622,171, Dec. 16.
Thermostat, Double arm. G. F. Dales. 2,586,309, Feb. 19.
Thermostat, Water heater. H. E. Malone. 2,597,651, May 20.
Thermostat and automatic pilot control, Combined. S. G. Eskin, H. W. Rice, and A. M. Arkelyan. 2,607,530–1, Aug. 19.
Thermostat and automatic pilot control, Combined. R. F. Garner. 2,607,529, Aug. 19.
Thermostat and automatic pilot control, Combined. W. F. Jackson. 2,604,266, July 22.
Thermostat control cam for automatic flatirons. F. E. Finlayson. 2,602,352, July 8.
Thermostat mechanism for electric flatirons, Adjustable. F. E. Finlayson. 2,602,248, July 8.
Thermostat safety control. J. H. Hurlbut and C. R. Helninger. 2,584,458, Feb. 5.
Thermostat valve mounting. E. L. Mayo. 2,606,718, Aug. 12.
Thermostat with frictional snap action. R. Valverde. 2,602,129, July 1.
Thermostat with microscopic mat finish. V. G. Vaughan, A. G. Schaefer, and G. G. Wood. 2,585,704, Feb. 12.
Thermostatic control and excessive temperature indication mechanism. C. R. Turner. 2,593,812, Apr. 22.
Thermostatic control device. E. J. Bush. 2,616,067, Oct. 28.
Thermostatic control device. M. J. Caparone. 2,614,754, Oct. 21.
Thermostatic control device. S. G. Eskin and H. W. Rice. 2,594,750, Apr. 29.
Thermostatic control device. H. H. Everhard. 2,588,224, Mar. 4.
Thermostatic control device. J. H. Hurlbut and C. R. Helninger. 2,592,424, Apr. 8.
Thermostatic control device, Reversible. D. H. Ellis. 2,601,377, June 24.
Thermostatic control for hot-water heaters and the like. J. H. Leslie, II and W. A. Marshall, Jr. 2,585,477, Feb. 12.
Thermostatic control of seal leg valves. L. W. Head. 2,598,641, May 27.
Thermostatic control switch. R. F. Garner. 2,591,802–3, Apr. 8.
Thermostatic control system for ovens. G. H. F. Walton. 2,611,850, Sept. 23.
Thermostatic controller. C. J. Penther and W. B. Milligan. 2,594,984, Apr. 29.
Thermostatic controller mounting. C. W. Kuhn. 2,606,061, Aug. 5.
Thermostatic fluid mixing device. C. L. Barker. 2,606,717, Aug. 12.
Thermostatic fuel control system. F. H. Huntley. 2,582,334, Jan. 15.
Thermostatic fuel valve control for hot-gas engine heaters. H. de Brey. 2,596,012, May 6.
Thermostatic heat and fire control. W. Kagan. 2,585,656, Feb. 12.
Thermostatic heater control. W. A. Marshall, Jr. 2,610,796, Sept. 16.
Thermostatic mixer for washing machines. L. H. Maddock-Clegg and O. D. Penzig. 2,619,284, Nov. 25.
Thermostatic mixing valve. W. V. Jordan. 2,616,629, Nov. 4.
Thermostatic oil cooler control with surge preventing valve. C. A. Weise. 2,613,034, Oct. 7.
Thermostatic regulating valve. R. D. Rhoads. 2,581,045, Jan. 1.
Thermostatic safety control for burners. A. Clarkson. 2,609,867, Sept. 9.
Thermostatic snap switch. J. E. Kumler. 2,623,138, Dec. 23.
Thermostatic stack switch having magnetic clutch mechanism. F. B. Aubert. 2,584,079, Jan. 29.
Thermostatic switch. E. J. Dillman. 2,589,063, Mar. 11.
Thermostatic switch. H. F. Hild. 2,584,016, Jan. 29.
Thermostatic switch. M. E. Macksoud. 2,615,146, Oct. 21.
Thermostatic switch. R. M. Manning. 2,587,351, Feb. 26.
Thermostatic switch. F. and J. Reingruber. 2,602,128, July 1.
Thermostatic switch. D. C. Spooner, Jr., and R. G. Holmes. 2,605,372, July 29.
Thermostatic switch. A. H. Van Riper. 2,587,551, Feb. 26.
Thermostatic switch. L. H. Walbridge. 2,619,567, Nov. 25.
Thermostatic valve. F. Y. Carter. 2,598,351, May 27.
Thermostatic valve. H. Tomoser. 2,602,592, July 8.
Thermostatic valve mechanism. T. F. Van Denberg. 2,604,152, July 22.
Thermostatically actuated pilot operated valve. C. D. Branson. 2,584,419, Feb. 5.
Thermostatically actuated switch. W. J. Allan. 2,588,688, Mar. 11.
Thermostatically controlled crystal unit. H. K. Richards. 2,607,818, Aug. 19.
Thermostatically controlled mixing valve. P. G. Tacchi. 2,603,420, July 15.
Thermostatically controlled valve. E. E. Hans. 2,617,596, Nov. 11.

Thermostatically controlled valve. E. Schuster and R. D. Gates. 2,608,352, Aug. 26.
Thermostatically operated valve. D. R. Ferris. 2,581,582, Jan. 8.
Thermostiffening sheet material and making same. W. A. Ernst. 2,596,136, May 13.
Thianaphthacyl sulfides. W. S. Emerson. 2,620,344, Dec. 2.
Thianaphthylmercaptothiazoles. W. S. Emerson and T. M. Patrick, Jr. 2,610,189, Sept. 9.
Thianaphthylthiazolyl disulfides and preparing same. W. S. Emerson and T. M. Patrick, Jr. 2,612,504, Sept. 30.
Thiasuccinic acid derivatives, Production of. W. B. Chilcote. 2,581,514, Jan. 8.
Thickening relatively thin apertured metallic screens. G. K. Teal. 2,598,318, May 27.
Thickness gauge. M. R. Thorburn. 2,581,219, Jan. 1.
Thickness planer jointer attachment. W. Ramm. 2,603,254, July 15.
Thienyl mercaptals and mercaptols. J. W. Brooks. 2,600,838, June 17.
Thienylthio carboxylic acids and thienylthio carboxylic acid esters in lubricating compositions. J. W. Brooks. 2,581,626, Jan. 8.
Thigh limb and producing same. O. I. Fahlström. 2,594,751, Apr. 29.
Thimble. J. E. Smith. 2,610,776, Sept. 16.
Thimble, Finger shaped. C. M. Howser. 2,588,528, Mar. 11.
Thimble, Needle pulling. V. D. Lake. 2,589,499, Mar. 18.
Thimble, Ventilated sewing. F. E. Harden. 2,609,978, Sept. 9.
Thin-walled tubing for use as electrode structures of electron discharge devices. L. P. Garner and W. H. Parker. 2,610,304, Sept. 9.
Thio-bis-acylamino pyrazolone couplers for color photography. A. Loria, P. W. Vittum, and A. Weissberger. 2,592,303, Apr. 8.
Thiocarbamyl thiazyl monosulfides, Preparation of. A. F. Hardman. 2,615,893, Oct. 28.
Thiocarbamyl thiazyl monosulfides, Production of. A. F. Hardman. 2,597,988, May 27.
Thiocyanates of 2-vinylthiophenes. W. S. Emerson and T. M. Patrick, Jr. 2,612,506, Sept. 30.
Thiocyanoalkyl carbanilates. D. T. Mowry. 2,617,818, Nov. 11.
Thioether-HF-copper complex compounds. D. A. McCaulay and A. P. Lien. 2,615,908, Oct. 28.
Thioformaldehyde and mercuric chloride treatment of protein filaments. G. K. Simpson and D. Traill. 2,614,024, Oct. 14.
Thioglycolic acid adducts of rubber-like polymers and preparing same. G. Serniuk. 2,589,151, Mar. 11.
Thio, oxy silanes, Mixed. B. A. Orkin. 2,592,175, Apr. 8.
Thiophenealdehydes, Preparing. W. S. Emerson and T. M. Patrick, Jr. 2,581,009, Jan. 1.
Thiophene and halothiophenecarboxaldehydes. A. W. Weston. 2,601,479, June 24.
Thiophene derivatives. W. S. Emerson and T. M. Patrick, Jr. 2,594,408, Apr. 29.
Thiophene homologs, Preparing. K. L. Kreuz. 2,621,188, Dec. 9.
Thiophosphoryl chloride, Preparing. E. W. Cook. 2,591,782, Apr. 8.
Thiosemicarbazide rodenticide. E. Waletzky and A. Bliznick. 2,582,940, Jan. 15.
Thiosemicarbazones. R. Behnisch, F. Mietzsch, and H. Schmidt. 2,621,211, Dec. 9.
Thiosemicarbazones. H. Schmidt, R. Behnisch, and F. Mietzsch. 2,600,077, June 10.
Thiosemicarbazones, Producing. W. Salzer and E. Goth. 2,621,209, Dec. 9.
Thiosulfenyl dithiocarbamates as fungicides. L. D. Goodhue and W. M. Florence. 2,598,989, June 3.
Thiosulfenyl dithiocarbamates as grain insect repellents. L. D. Goodhue and C. E. Tissot. 2,621,143, Dec. 9.
Thiothiazolone-derivatives. T. Matsukawa and T. Iwatsu. 2,592,931, Apr. 15.
Thiouronium antimonyl catechol halides tnd making the same. M. Schubert. 2,580,847, Jan. 1.
Thiols and thioethers, Production of. G. H. Short. 2,610,981, Sept. 16.
Thixotropic composition. B. W. Nordlander. 2,610,959–60, Sept. 16.
Thixotropic compositions. B. W. Nordlander and J. A. Loritsch. 2,610,958, Sept. 16.
Thixotropic gel for preserving wood. R. H. Chrzanowski. 2,599,373, June 3.
Thread advancing device. W. H. Furness. 2,606,358, Aug. 12.
Thread-advancing reel. C. A. Castellan. 2,599,692, June 10.
Thread-advancing reel. A. L. Jackson. 2,606,356, Aug. 12.
Thread-advancing reel. S. C. Kershaw. 2,581,866, Jan. 8.
Thread advancing reel. H. A. Kuljian. 2,618,836, Nov. 25.
Thread advancing reel. K. M. McLellan. 2,618,837, Nov. 25.
Thread box. A. A. Koistinen. 2,588,540, Mar. 11.
Thread brake. A. Moessinger. 2,592,818, Apr. 15.
Thread carrier driving mechanism for straight bar knitting machines. K. W. Wickardt. 2,613,519, Oct. 14.
Thread-chain severing device for sewing machines. J. P. Enos. 2,605,729, Aug. 5.
Thread-cone support for sewing machines. E. Muecke. 2,592,318, Apr. 8.
Thread control for weft replenishing looms. R. G. Turner. 2,621,682, Dec. 16.
Thread controlling apparatus in textile machines. J. L. M. Morrison, R. T. C. Woodward, R. Peel, and E. Greaves. 2,600,256, June 10.
Thread cutter device with finger support. J. D. Herz. 2,611,180, Sept. 23.
Thread cutter for shoe sewing machines. A. S. Clark. 2,619,060, Nov. 25.
Thread-cutting device. U. A. Alfredeén. 2,597,849, May 27.
Thread-cutting machine having rapid traverse plus positive controlled feed. S. F. Manning. 2,587,352, Feb. 26.
Thread cutting mechanism. H. H. Ranney. 2,590,723, May 13.
Thread-cutting temple for looms. G. F. Bahan. 2,608,218, Aug. 26.
Thread-cutting temple spring. W. J. Landers. 2,621,917, Dec. 16.
Thread feeding device for thread testing machines. W. Gegenschatz. 2,590,398, Mar. 25.
Thread for glass containers. R. V. Bromley. 2,585,624, Feb. 12.
Thread gauge drive. P. V. Miller. 2,602,347, July 8.
Thread gauging apparatus. J. R. Pattee and C. W. Vermilyea. 2,618,861, Nov. 25.
Thread guide. W. L. Perry. 2,585,962, Feb. 19.
Thread guide. E. H. Scott. 2,610,494, Sept. 16.
Thread guide device on a shuttle. E. Honegger. 2,604,909, July 29.
Thread guide for creels. C. P. and A. P. Smith. 2,588,053, Mar. 4.
Thread guide mechanism. W. L. Perry. 2,621,862, Dec. 16.
Thread guide support in spinning machines. W. Hoffmann. 2,614,382, Oct. 21.
Thread guiding apparatus. S. W. Barker. 2,596,520, May 13.
Thread handling mechanism for sewing machines. G. W. Nelson. 2,609,773, Sept. 9.
Thread holder. J. W. Gilbert. 2,605,981, Aug. 5.
Thread holder for weft replenishing looms. A. Cederlund, A. Palmer and R. S. Schedin. 2,616,457, Nov. 4.
Thread holder for weft replenishing looms. A. Cederlund and A. C. Krukonis. 2,616,458, Nov. 4.
Thread holder for weft replenishing looms, Pneumatic. G. C. Beatrice. 2,609,846, Sept. 9.
Thread insert for molded or cast material. J. O. Forster. 2,581,399, Jan. 8.
Thread nipper. F. M. O'Brien. 2,597,519, May 20.
Thread rolling machine. W. Stern. 2,596,962, May 13.
Thread separating. W. G. Abbott, Jr. 2,620,546, Dec. 9.
Thread supporting means for shuttles. W. E. Burcham. 2,614,587, Oct. 21.
Thread unwinding apparatus and method. E. P. Miller. 2,605,982, Aug. 5.
Thread waxing device. R. L. Bradley. 2,608,950, Sept. 2.
Threaded joint capable of being quickly made and broken. J. Sheddon. 2,587,544, Feb. 26.
Threaded locking devices, Making. L. N. Brutus. 2,607,956, Aug. 26.
Threading apparatus. C. H. Laemmel. 2,586,668, Feb. 19.
Threading attachment for lathes. A. E. Armstrong. 2,590,224, Mar. 25.
Threading die. C. H. Ingwer. 2,600,776, June 17.
Threading die. C. H. Ingwer and C. E. Wright. 2,584,463, Feb. 5.
Threading-in on a reel. E. J. Griset, Jr. 2,617,603, Nov. 11.
Threads of thermoplastic cellulose derivatives, Production of. H. M. Averns and J. Straw. 2,584,779, Feb. 5.
3-acyloxy-5,7,9(11)-androstatrien-17-one adducts. R. H. Levin, A. V. McIntosh, Jr. and G. B. Spero. 2,584,137, Feb. 5.
3-acyloxy-5,7,9 (11)-pregnatrien-20-one-21-acetate adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,621,176, Dec. 9.
3-acyloxy-9,11-oxido-5,7-pregnadien-20-one-21-acetate adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,621,177, Dec. 9.
3-alkyl-2,2′-dihydroxy-3′,5,5′,6′-tetrachlorodiphenylmethanes. C. L. Moyle and P. A. Wolf. 2,606,210, Aug. 5.
3-amino-10-methyl-9-p-carbalkoxyaminophenyl phenanthridinium salts and their production. L. P. Walls. 2,602,797, July 8.
3-carboxylic acylamino-2,4,6-triiodo benzoic acids and the ethyl ester and nontoxic salts. V. H. Wallingford. 2,611,786, Sept. 23.
Three-component four-element objective. P. H. Taylor. 2,599,669, June 10.
Three-component objectives. L. Bertele. 2,622,479, Dec. 23.
Three-component optical objectives. G. H. Cook. 2,601,369, June 24.
Three-component wide-angle camera objective. E. W. Bechtold. 2,623,434, Dec. 30.

Three-dimensional pantographic reproducing machine. C. R. Compton. 2,610,404, Sept. 16.
Three-dimensional selector and memory device. J. T. Potter. 2,620,389, Dec. 2.
Three-electrode semiconductor device. J. P. Stelmak. 2,609,427, Sept. 2.
Three-element thermionic tube structure. H. K. Kuthe and R. H. Bloemeke. 2,611,112, Sept. 16.
3,5-diiodo-4-pyridylmercapto-carboxylic acids and their preparation. S. Archer. 2,615,895, Oct. 28.
3,4-dimethyl styrene-para-chlorostyrene copolymer. R. R. Dreisbach. 2,620,329, Dec. 2.
3-halo-9-phthalimidomethyl benzanthrone, Preparing. D. I. Randall and S. R. Buc. 2,584,367, Feb. 5.
Three-height vertically adjustable table. F. A. Sanders. 2,602,011, July 1.
Three-hinged arch truss. K. W. Fuge. 2,612,854, Oct. 7.
3-isopropoxy phenothiazine. N. L. Smith. 2,587,662, Mar. 4.
3-methoxy-4-methoxymethyl tetrahydropyram. O. C. Dermer and J. J. Hawkins. 2,591,239, Apr. 1.
3-methyl-citrals, Preparation of. Y.-R. Naves. 2,589,275, Mar. 18.
3-methyleneglutaronitrile. R. C. Schreyer. 2,609,385, Sept. 2.
Three-phase core. B. B. Ellis, C. C. Horstman, and C. E. Burkhardt, 2,594,001–2, Apr. 22.
Three-phase constant frequency electronic power supply. A. C. Bunblasky. 2,618,772, Nov. 18.
3-phthalimidomethyl benzanthrone, Preparing. D. I. Randall and S. R. Buc. 2,584,368, Feb. 5.
Three-piece hinge. F. S. Evans. 2,619,673, Dec. 2.
Three-position, four-way selector valve. T. H. Holzer. 2,601,990, July 1.
3-propargyl-4-quinazolones and acid salts thereof and making the same. B. R. Baker. 2,621,162, Dec. 9.
3-pyridyl-carbinol, Preparation of. G. O. Chase. 2,615,896, Oct. 28.
Three roll padder or the like. H. H. Belcher. 2,605,629, Aug. 5.
3,7-diaminodibenzothiophenedioxide-2,8-disulfonic acid, Preparation of. S. M. Tsang. 2,620,343, Dec. 2.
Three-stage propane fractionation of reduced crude oil. B. C. Benedict. 2,600,389, June 17.
3-substituted derivatives of 2,3-dihydrothianaphthene-1-dioxide. W. H. McKellin and F. G. Bordwell. 2,610,183, Sept. 9.
3-substituted-5-ternorcholenyl formaldehydes. F. W. Heyl and A. P. Centolella. 2,623,052, Dec. 23.
3-substituted 1,4-naphthoquinones. G. Fawaz. 2,589,686, Mar. 18.
3,3′-bis-(1-substituted-2,5-diketo-7-methylpyrimidopyrazoles). H. B. Kellog. 2,593,890, Apr. 22.
3,3′-methylenebis (4-hydroxybenzenearsonic acid) and its production. H. E. Faith. 2,586,316, Feb. 19.
3-trichloromethylsulfenyl-5-aralkylidene-2,4-thiazolidinediones. C. Lo, E. Y. Shropshire and W. J. Croxall. 2,613,207, Oct. 7.
3,20-diacyloxy-9 (11), 17 (20)-dioxide-5,7-pregnadien adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,621,178, Dec. 9.
Three-way ball valve. P. H. Palen. 2,613,908, Oct. 14.
Three-way valve. J. A. Kanuch. 2,607,599, Aug. 19.
Three-wire screw thread gauge. S. W. Ross. 2,622,337, Dec. 23.
Thresher attachment. H. Ahlmeyer. 2,589,318, Mar. 18.
Thresher with suction and blast fans mounted in housing. R. H. Sharpe. 2,589,440, Mar. 18.
Threshing machine. H. H. Cook. 2,587,289, Feb. 26.
Throat mechanism for statistical card machines. E. E. Libman. 2,617,649, Nov. 11.
Throat mechanism for statistical card machines. W. Wockenfuss. 2,617,648, Nov. 11.
Throttle and brake control. J. K. Kramar, 2,585,474, Feb. 12.
Throttle and clutch control for marine engines, Combined. J. F. Morse. 2,588,649, Mar. 11.
Throttle and shift control, Combination. J. F. Miller. 2,617,311, Nov. 11.
Throttle and speed controls for motors. G. T. Leihgeber. 2,609,074, Sept. 2.
Throttle control. T. M. Ball. 2,592,375, Apr. 8.
Throttle control. G. A. Nawman. 2,602,337, July 8.
Throttle control device. E. D. Johnson. 2,613,648, Oct. 14.
Throttle dashpot mechanism. R. C. Haeusler. 2,592,513, Apr. 8.
Throttle system for jet engines. T. A. Feeney, C. E. Oates and A. R. Vogel. 2,608,104, Aug. 26.
Throttle valve application. J. W. Marsh. 2,588,549, Mar. 11.
Throttle valve mechanism. R. O. Allen. 2,615,674, Oct. 28.
Throttling device. F. Aagaard. 2,582,917, Jan. 15.
Throttling process and device. A. Bramley. 2,581,168, Jan. 1.
Through-feed staking machine. C. R. Campbell, Jr. 2,596,125, May 13.
Throwoff mechanism. A. Kluge and H. A. Brandtjen. 2,622,525, Dec. 23.
Thrust and radial supporting bearing. W. T. Honiss. 2,617,696, Nov. 11.
Thrust balance structure for rotary gas engines. L. R. Wosika. 2,605,611, Aug. 5.
Thrust balancing for vertical shafts. L. Raichle and G. Schulze. 2,605,147, July 29.
Thrust bearing. E. C. Hatcher. 2,602,713, July 8.
Thrust bearing. A. B. Lakey. 2,621,090, Dec. 9.
Thrust bearing. E. A. F. Presser. 2,600,687, June 17.
Thrust bearing. H. R. Reynolds. 2,593,919, Apr. 22.
Thrust bearing for disk plows. J. J. Schermuly. 2,590,468, Mar. 25.
Thrust measuring device. A. B. Lakey. 2,612,775, Oct. 7.
Thumb grip nock. W. D. Ringel. 2,581,884, Jan. 8.
Thumb guard with adjustable strap. H. D. Belknap. 2,617,413, Nov. 11.
Thumb sucking discouraging device. M. Simon. 2,606,554, Aug. 12.
Thumb-tack constructed to permit stacking. J. Scheunmann. 2,623,431, Dec. 30.
Thumb turn device for closure locks. D. N. Jewett. 2,616,738, Nov. 4.
Thyratron control system for electric motors. B. A. Knauth and P. H. Chin. 2,600,003, June 10.
Thyratron modulator. J. P. Hagen and A. H. Ryan. 2,590,098, Mar. 25.
Thyroprotein feed, Making a. C. W. Turner and E. P. Reineke. 2,591,107, Apr. 1.
Ticket cartridge for copy writers. F. R. Schulz. 2,591,727, Apr. 8.
Ticket issuing machine. R. H. Helsel. 2,601,283, June 24.
Ticket issuing machine. R. H. Helsel. 2,616,500, Nov. 4.
Ticket pad and dispensing tray therefor. G. W. Luppold. 2,582,785, Jan. 15.
Ticket printing and issuing machine. R. H. Helsel. 2,609,746, Sept. 9.
Ticket printing and issuing machine. J. R. Montgomery. 2,594,787, Apr. 29.
Ticket printing and mutilating machine, Rotary. C. F. Webb. 2,593,078, Apr. 15.
Ticket printing and totaling apparatus. J. A. Stone. 2,605,967, Aug. 5.
Ticket printing and transaction registering means for race totalizators. A. F. Julius. 2,623,454, Dec. 30.
Ticket printing machine. G. R. Ahlstrand and K. A. Lagerkvist. 2,604,846, July 29.
Ticket severing device. E. W. McGhan and H. S. Ungerleider. 2,613,742, Oct. 14.
Ticket sorting apparatus. L. M. Potts. 2,613,809, Oct. 14.
Ticket writer, Portable locked copy. J. C. Condon. 2,623,761, Dec. 30.
Tidal drainage and irrigating unit. W. F. McKenna. 2,602,448, July 8.
Tide gauge. A. A. Klebba, A. C. Vine, and W. M. Ewing. 2,592,159, Apr. 8.
Tieback for curtains and drapes. E. E. Brennan. 2,620,870, Dec. 9.
Tie breaker. L. A. McDaniel. 2,608,219, Aug. 26.
Tie case. B. S. W. Jones. 2,600,657, June 17.
Tie cutter. L. J. Gilmore. 2,598,048, May 27.
Tie-down means for seats, cargo, and the like. A. J. Macedo. 2,622,298, Dec. 23.
Tie frame. R. M. Kolkoski. 2,608,323, Aug. 26.
Tie holder. K. Albrecht. 2,606,349, Aug. 12.
Tie holder. C. C. Baker. 2,601,424, June 24.
Tie holder. F. M. Bender. 2,589,036, Mar. 11.
Tie holder. F. W. Stargardt. 2,586,272, Feb. 19.
Tie holder. H. A. Tomarin. 2,605,000, July 29.
Tie holder or the like. A. A. Johnson. 2,599,921, June 10.
Tie knot, Plastic. L. A. Di Venuti. 2,602,164, July 8.
Tie lining guide mechanism. V. M. Newman. 2,612,126, Sept. 30.
Tie plate. W. S. Boyce. 2,613,876, Oct. 14.
Tie plate and light rail adapter therefor, Heavy-duty. L. Spencer. 2,583,610, Jan. 29.
Tie strap anchor. W. F. Dietrichson. 2,601,103, June 17.
Tie, Tied clip-on bow. J. A. Hirsch. 2,613,361–2, Oct. 14.
Tying mechanism for balers. H. E. Altgelt. 2,610,573, Sept. 16.
Tying mechanism for balers. M. E. McClellan, L. G. Cheatum, and G. B. Hill. 2,621,588, Dec. 16.
Tiering means for trays. D. M. James. 2,603,361, July 15.
Tightening and fastening means for casing covers. F. S. Craig. 2,597,707, May 20.
Tile arch structure. P. W. Antill. 2,600,460, June 17.
Tile cutter. L. Lenarduzzi. 2,589,501, Mar. 18.
Tile cutter with gauging means. M. Crain. 2,619,173, Nov. 25.
Tile forming machine. J. A. Bryant. 2,584,669, Feb. 5.
Tile-laying attachment. G. A. Vaughn. 2,602,410, July 8.
Tile marker. E. E. Peeples, Jr. 2,588,757, Mar. 11.
Tile perforating machine. E. C. Milliken and J. M. Roth. 2,582,645, Jan. 15.
Tile setter for bored wells. A. C. Sorbel. 2,583,498, Jan. 22.
Tillage implement frame. M. E. Larsen. 2,619,890, Dec. 2.
Tilling apparatus, Rotary. R. W. Johnson. 2,603,139, July 15.
Tilt bar tape holder. H. S. Rosenbaum. 2,620,868, Dec. 9.

Tilt correcting director. W. B. Ewing. 2,604,698, July 29.
Tilt mechanism for Venetian blinds. J. J. Di Ienno. 2,614,625, Oct. 21.
Tiltable and vertically adjustable bedside table. W. H. Lewis. 2,605,155, July 29.
Tiltable induction furnace. A. H. Horswell and A. H. Horswell, Jr. 2,587,727, Mar. 4.
Tiltable umbrella support. E. E. Frey. 2,607,363, Aug. 19.
Tilting and traction assembly for industrial trucks. H. J. Framhein. 2,623,653, Dec. 30.
Tilting apparatus. R. F. Day. 2,588,489, Mar. 11.
Tilting chair. W. van Osselen. 2,619,153, Nov. 25.
Tilting control system for roll-clamping industrial lift trucks. R. G. Vance. 2,603,368, July 15.
Tilting device for tableware used in conjunction with the conveying belt of a dishwashing machine. P. H. Davis. 2,611,381, Sept. 25.
Tilting door. J. Wieland. 2,613,401, Oct. 14.
Tilting mechanism for foundry ladles and the like. A. D. Oldham and F. J. Sabia. 2,582,912, Jan. 15.
Timber setting machine. J. D. A. Morrow. 2,597,086, May 20.
Timber setting machine. F. E. Sullinger. 2,591,475, Apr. 1.
Time and humidity controlled fluid dispensing system. P. J. Milano. 2,612,901, Oct. 7.
Time and period indicating device. J. Heptinstall. 2,604,940, July 29.
Time announcing system. E. S. Peterson. Re. 23,522, July 15.
Time comparator. W. O. Bennett, Jr. 2,593,650, Apr. 22.
Time control device. J. A. Darwin. 2,589,995, Mar. 18.
Time control means for periodic operating apparatus. D. W Riddell. 2,604,574, July 22.
Time control system and apparatus. R. L. Daugherty. 2,601,264, June 24.
Time controlled cigarette case. G. H. Harris. 2,613,527, Oct. 14.
Time-controlled switch. C. G. Reynard and H. L. Hart. 2,611,429, Sept. 23.
Time controlled switch actuating mechanism. Z. R. Keck. 2,620,871, Dec. 9.
Time-delay circuit. A. A. Varela and R. A. Herring, Jr. 2,621,306, Dec. 9.
Time delay circuits. S. V. Hart. 2,617,024, Nov. 4.
Time-delay relay system. R. M. Lommen. 2,597,317, May 20.
Time-delay relay testing device. C. B. Gould. 2,615,967, Oct. 28.
Time delay switch mechanism for camera flash synchronizers. M. L. Gardner. 2,620,713, Dec. 9.
Time division multiplex radiophone system. J. H. Homrighous. 2,616,080, Oct. 28.
Time division multiplex system. D. S. Bond. 2,616,975, Nov. 4.
Time division multiplex system utilizing a step-wave generator in the distributor circuit. B. Trevor. 2,605,360, July 29.
Time division radiophone system, Multiplex. J. H. Homrighous. 2,613,276, Oct. 7.
Time element electromagnetic device. G. H. Syrovy and J. W. Seaman. 2,598,463, May 27.
Time element relay control means. W. A. Jacobs and E. M. Allen. 2,618,741, Nov. 18.
Time indicating key holder. B. C. Crapster. 2,596,374, May 13.
Time interrupter for electric apparatus. A. R. Rasini. 2,585,839, Feb. 12.
Time interval measuring system. J. C. Coykendall. 2,617,984, Nov. 11.
Time measuring apparatus. J. L. [illegible]s, Jr. 2,602,110, July 1.
Time-measuring device. W. E. Duncan. 2,582,196, Jan. 8.
Timepiece, Alarm. O. M. Schafer. 2,588,884, Mar. 11.
Timepiece, Automatic winding. G. Bridevaux. 2,623,349, Dec. 30.
Timepiece, Automatic winding. M. Huguenin. 2,619,791, Dec. 2.
Timepiece automatic winding mechanism. F. Meyer. 2,593,688, Apr. 22.
Timepiece, Calendar. M. Huguenin. 2,591,819, Apr. 8.
Timepiece, Calendar. A. Marchand. 2,581,268, Jan. 1.
Timepiece, Calendar. F. Meyer. 2,582,879, Jan. 15.
Timepiece dials, Manufacturing. C. Stern. 2,594,820, Apr. 29.
Timepiece for vehicles, Self-winding. Z. Maar. 2,593,686, Apr. 22.
Timepiece movement with intermittent seconds indicator. F. Robert-Charrue. 2,580,597, Jan. 1.
Timepiece with automatic and manual winding mechanism. F. Meyer. 2,620,620, Dec. 9.
Time recording apparatus. D. E. Bishop. 2,621,100, Dec. 9.
Time recording apparatus for race tracks. D. J. Doyle. 2,590,389, Mar. 25.
Time recording system. S. G. Lutz. 2,580,447, Jan. 1.
Time signal. W. Doertenbach and J. F. Keane. 2,604,753, July 29.
Time study training apparatus. P. Carroll, Jr. 2,603,887, July 22.
Time switch. E. H. Belser. 2,587,026, Feb. 26.
Time switch. J. J. Everard. 2,596,330, May 13.
Time switch. J. J. Everard. 2,623,132, Dec. 23.
Time switch. M. A. Kreitchman and J. H. Tanner. 2,585,018, Feb. 12.
Time switch. A. H. Midgley. 2,603,287, July 15.
Time system. E. G. Johnson. 2,617,245, Nov. 11.
Time wave generating system. J. R. Moore. 2,604,608, July 22.
Timer. G. E. Batchelder and W. E. Macnell. 2,584,106, Feb. 5.
Timer. H. N. Bliss. 2,605,833, Aug. 5.
Timer. F. Lux. 2,593,905, Apr. 22.
Timer. A. W. Noon. 2,599,858, June 10.
Timer. C. R. Turner. 2,595,313, May 6.
Timer attachment for telephones. H. R. Kaiser. 2,609,045, Sept. 2.
Timer circuit. L. E. Nelson. 2,583,792, Jan. 29.
Timer, Cycle rate. E. R. Gilbreath. 2,596,143, May 13.
Timer, Electrical interval. P. L. Cattier and M. Zuckerman. 2,622,677, Dec. 23.
Timer, Electronic. M. Audier. 2,602,888, July 8.
Timer, Electronic. T. A. Birckhead. 2,593,964, Apr. 22.
Timer, Electronic sequence. C. B. Stadum. 2,600,337, June 10.
Timer, Electronic sequence. C. B. Stadum. 2,605,305, July 29.
Timer, Engine ignition. M. Montifret. 2,595,690, May 6.
Timer for barrel washing machines. A. C. Smith and H. Hagen. 2,614,239, Oct. 14.
Timer for causing brief actuations at prolonged intervals. E. L. Schellens. 2,582,285, Jan. 15.
Timer for toasters. R. R. Mueller. 2,605,832, Aug. 5.
Timer for toasters and the like. A. J. Huck and C. D. Visos. 2,614,481, Oct. 21.
Timer, Interval. E. H. Belser. 2,610,683, Sept. 16.
Timer, Interval. P. O. Mellard. 2,590,027, Mar. 18.
Timer, Multirelay electric. R. P. Boyer, Jr., and J. I. Bellamy. 2,590,926, Apr. 1.
Timer, Phase shift. W. Palmer. 2,621,238, Dec. 9.
Timer, Pneumatically operated. C. D. Corey. 2,607,187, Aug. 19.
Timer, Reverse plating. E. C. Hartwig. 2,597,082, May 20.
Timer-switch control mechanism. C. G. Reynard and C. D. Hoover. 2,589,139, Mar. 11.
Timer, Toaster. J. J. Gough. 2,611,849, Sept. 23.
Timing and computing apparatus, Combination. N. Kutchukian. 2,579,341, May 20.
Timing angle indicator for automotive engine distributors. M. J. Zirin. 2,611,837, Sept. 23.
Timing apparatus, Coin-controlled. L. D. Sollenberger. 2,603,288, July 15.
Timing apparatus, Electrical. R. S. Felgal. 2,611,011, Sept. 16.
Timing boiler blowdowns. C. W. Rice. 2,597,597, May 20.
Timing circuit. G. H. Marmont and B. M. Oliver. 2,607,892, Aug. 19.
Timing circuit. J. W. Smith. 2, 622,195, Dec. 16.
Timing device. M. H. Graham. 2,621,730, Dec. 16.
Timing device. N. W. Hancock. 2,614,218, Oct. 14.
Timing device. P. H. Kaufmann. 2,598,701, June 3.
Timing device. S. F. E. Meyer. 2,583,434, Jan. 22.
Timing device. V. Trad. 2,601,010, June 17.
Timing device. M. Van Valkenburgh and L. J. Laviana. 2,583,245, Jan. 22.
Timing device, Electronic. W. D. Houghton. 2,589,085, Mar. 11.
Timing device, Race track. I. M. Malott and H. R. Crawford. 2,612,948, Oct. 7.
Timing means, Telephone conversation. G. Elliott. 2,595,062, Apr. 29.
Timing mechanism. W. P. Gallagher and C. Weber. 2,619,558, Nov. 25.
Timing mechanism and control for conveyers. I. S. Eggleston and C. R. Boller. 2,601,915, July 1.
Timing mechanism for multiple grid cameras. W. C. Newcomb and C. F. Fitter, Jr. 2,614,468, Oct. 21.
Timing mechanism, Toaster. J. W. McNairy. 2,584,725, Feb. 5.
Timing mechanism, Toaster. F. W. Scharf. 2,592,826, Apr. 15.
Timing mechanism, Toaster. O. B. Sutton. 2,585,514, Feb. 12.
Timing movement. A. B. Campbell. 2,591,402, Apr. 1.
Timing or drift circuits for Loran navigation systems. R. R. Freas, Jr. 2,614,159, Oct. 14.
Timing pulse generator. E. L. Chatterton and A. S. Hegeman, Jr. 2,606,288, Aug. 5.
Timing relay. K. Riesz. 2,608,625, Aug. 26.
Timing relay. N. R. M. Welbuil. 2,592,986, Apr. 15.
Timing system. R. L. Alcorn, Jr. 2,586,592, Feb. 19.
Timing system, Automatic. C. B. Stadum. 2,594,090, Apr. 22.
Timing valve. E. and E. E. Goodroad. 2,592,024, Apr. 8.
Tin plate, Manufacture of. J. G. Donelson and V. W. Vaurio. 2,587,605, Mar. 4.
Tip for colon therapy appliances. R. C. McShirley. 2,603,217, July 15.
Tip for darts and arrows. D. Bean. 2,620,190, Dec. 2.
Tip-up seat construction. E. J. Huber. 2,598,384, May 27.
Tire. S. Khalil. 2,618,308, Nov. 18.

Tire alarm, Underinflation dual. C. L. Kite. 2,609,784, Sept. 9.
Tire attached antiskid device. J. A. Morrone. 2,608,233, Aug. 26.
Tire building apparatus. F. S. Sternad. 2,595,423, May 6.
Tire building drum. A. R. Di Cicco and D. E. Ericson. 2,603,580, July 15.
Tire building drum. D. E. Ericson and E. E. Kwierant. 2,603,581, July 15.
Tire building drum. D. E. Ericson and E. E. Kwierant. 2,614,057, Oct. 14.
Tire building drum, Pneumatic. R. Iredell. 2,614,951, Oct. 21.
Tire building machine. H. T. Kraft. 2,614,952, Oct. 21.
Tire building machine. H. D. Stevens. 2,605,197, July 29.
Tire building machine and method. J. I. Haase. 2,605,198, July 29.
Tire carrier. J. Selzer. 2,584,233, Feb. 5.
Tire casing, Pneumatic. E. S. Ewart. 2,600,231, June 10.
Tire casing with noiseless tread. F. E. Buddenhagen. 2,612,928, Oct. 7.
Tire chain. F. Ciborowski. 2,620,843, Dec. 9.
Tire chain. F. T. Gause. 2,622,651, Dec. 23.
Tire chain. F. E. Nixon. 2,606,591, Aug. 12.
Tire chain anchor device. A. H. Perlman. 2,598,594, May 27.
Tire chain applier. H. W. Johnson. 2,608,231, Aug. 26.
Tire chain applier, Flexible and expansible. B. Anderson. 2,581,225, Jan. 1.
Tire chain applying clamp. A. H. Gonyea. 2,608,117, Aug. 26.
Tire chain applying tool. J. C. Young. 2,592,096, Apr. 8.
Tire chain fastener. G. M. Trumbull. 2,617,464, Nov. 11
Tire chain holder. H. B. Hughes. 2,608,234, Aug. 26.
Tire chain mounting tool. M. S. Peterson. 2,588,568, Mar. 11.
Tire chain tightener. H. St. Pierre. 2,612,670, Oct. 7.
Tire changer with circumferentially distributed thrust means, Fluid pressure actuated. E. F. Wilson. 2,615,506, Oct. 28.
Tire-changing device with circumferentially distributed thrust members, Fluid pressure actuated. A. P. Hildred. 2,595,258, May 6.
Tire construction. J. O. Antonson. 2,587,428, Feb. 26.
Tire construction. J. O. Antonson. 2,592,844, Apr. 15.
Tire, Cushioned. H. C. Lord. 2,620,844–5, Dec. 9.
Tire deflating valve with pressure gauge. T. E. Parrott. 2,611,386, Sept. 23.
Tire deflation responsive switch. A. A. Wilson. 2,593,824, Apr. 22.
Tire dismounting apparatus, Axially compressing type. R. D. Henderson. 2,609,039, Sept. 2.
Tire for flat rimmed wheels, Auxiliary semipneumatic. W. R. Stewart. 2,614,602, Oct. 21.
Tire for toy vehicles, Semipneumatic. G. A. Henry. 2,599,176, June 3.
Tire, Front tractor. H. J. Jezek. 2,586,051, Feb. 19.
Tire gauge. F. O. Church. 2,600,847, June 17.
Tire, Giant pneumatic. A. Giebhart. 2,620,009, Dec. 2.
Tire groover having a blade clamping mechanism connected to a heat absorbing block. R. I. Van Alstine. 2,618,056, Nov. 18.
Tire handling stand with movable clamping arbor. O. V. Teegarden. 2,598,946, June 3.
Tire, Implement. W. H. Tanke. 2,601,464, June 24.
Tire inflating means. S. E. Orlicki, Jr. 2,612,931, Oct. 7.
Tire inflation-relief valve. W. G. Buenik. 2,606,570, Aug. 12.
Tire lifter with fulcrum element. A. A. Miller. 2,619,320, Nov. 25.
Tire loosening apparatus, Lever actuated axially shifting type. F. L. Helton. 2,598,793, June 3.
Tire lug construction. C. G. Cummins. 2,597,458, May 20.
Tire lug for relugging tires. V. Rawls. 2,611,411, Sept. 23.
Tire mounting and demounting apparatus with circumferentially distributed thrust members. C. S. Crane. 2,585,628, Feb. 12.
Tire patch. L. L. Pierce and E. J. White. 2,587,759, Mar. 4.
Tire, Pneumatic. N. Drisch and R. Brepson. 2,586,795, Feb. 26.
Tire, Pneumatic. F. Herzegh. 2,587,470, Feb. 26.
Tire, Pneumatic. E. H. Gibbs. 2,592,557, Apr. 15.
Tire, Pneumatic balloon. F. G. Cuesta. 2,608,230, Aug. 26.
Tire pressure equalizer. H. P. Delts. 2,591,340, Apr. 1.
Tire pressure gauge. W. W. Hastings and R. A. Hunt. 2,585,123, Feb. 12.
Tire pressure gauge. H. W. Krohn, Jr. 2,596,856, May 13.
Tire pressure indicator. G. H. Maddox. 2,621,274, Dec. 9.
Tire protecting device. W. C. Carlton. 2,617,663, Nov. 11.
Tire removing and replacing machine with a rotatable wheel support. S. Zugaro and F. Pegnani. 2,581,569, Jan. 8.
Tire removing apparatus, Axially compressing type. R. D. Henderson. 2,609,038, Sept. 2.
Tire removing apparatus of the percussion type. E. W. Moore. 2,582,390, Jan. 15.
Tire removing apparatus with circumferentially distributed bead engaging members. C. E. Johnson and G. C. Bratland. 2,580,926, Jan. 1.
Tire removing device, Circumferentially traveling type pedestal mounted. R. M. Patterson. 2,607,403, Aug. 19.
Tire repair method. A. D. Forbush. 2,620,852, Dec. 9.
Tire repair plug. P. E. Hawkinson. 2,612,930, Oct. 7.
Tire, Replaceable tread. R. Luchsinger-Caballero. 2,609,026, Sept. 2.
Tire, Resilient motor vehicle. J. T. A. Williams. 2,584,073, Jan. 29.
Tire retreading mold. E. W. Hawkinson. 2,591,430, Apr. 1.
Tire retreading mold. P. E. Hawkinson. 2,607,079, Aug. 19.
Tire rim, Automobile. J. Soler and S. Balsells. 2,607,393, Aug. 19.
Tire safety indicator. G. S. Stevens. 2,607,836, Aug. 19.
Tire spreader. R. E. Campbell and W. P. Thompson. 2,589,771, Mar. 18.
Tire thump detection device. F. Herzegh. 2,618,971, Nov. 25.
Tire, Tractor guide. W. N. Yeggy. 2,612,929, Oct. 7.
Tire tread, Antiskid. C. J. Pavlik. 2,607,386, Aug. 19.
Tire tread gauge. H. W. Krohn, Jr. 2,619,727, Dec. 2.
Tire tread liner. E. C. Hoffman. 2,619,147, Nov. 25.
Tire tread, Pneumatic. M. Zöhrer. 2,621,698, Dec. 16.
Tire treading mold. P. E. Hawkinson. 2,598,791, June 3.
Tire treading mold. P. E. Hawkinson. 2,610,357, Sept. 16.
Tire trimmer. G. M. Dinnan. 2,606,612, Aug. 12.
Tire truing machine. H. V. James. 2,601,810, July 1.
Tire valve. E. P. Coskey. 2,586,455, Feb. 19.
Tire, wheel, and hubcap lock. R. O. Chandler. 2,614,889, Oct. 21.
Tissue dispenser. H. W. Patterson. 2,604,205, July 22.
Tissue feed-dog driving mechanism of sewing machines. J. Keller, Jr. 2,619,058, Nov. 25.
Tissue sheet dispenser. A. C. H. Weiss. 2,580,982, Jan. 1.
Titanium activated barium pyrophosphate phosphor. P. W. Ranby. 2,596,509, May 13.
Titanium activated calcium magnesium silicate phosphor, Making. A. L. J. Smith. 2,589,513, Mar. 18.
Titanium additions to stainless steels. W. M. Patterson. 2,597,173, May 20.
Titanium and zirconium tetrahalides, Preparation of. L. Aagaard and G. E. Bronson. 2,608,464, Aug. 26.
Titanium base alloy. R. I. Jaffee and H. R. Ogden. 2,596,485, May 13.
Titanium-base alloys. L. R. Frazier. 2,622,023, Dec. 16.
Titanium-base alloys. R. I. Jaffee, H. R. Ogden and D. J. Maykuth. 2,596,486-9, May 13.
Titanium dioxide, Production of. E. L. Schneider. 2,589,910, Mar. 18.
Titanium dioxide, Production of. J. H. Weikel. 2,589,909, Mar. 18.
Titanium metal, Production of. C. H. Winter, Jr. 2,621,121, Dec. 9.
Titanium molybdenum alloys. W. L. Finlay. 2,614,041, Oct. 14.
Titanium-molybdenum-chromium alloys. R. I. Jaffee. 2,588,007, Mar. 4.
Titanium pigments, Manufacture of. J. T. Richmond and R. J. Wigginton. 2,589,964, Mar. 18.
Titanium, Production of. J. Glasser and C. A. Hampel. 2,618,549, Nov. 18.
Titanium, Production of. C. A. Hampel and J. Glasser. 2,618,550, Nov. 18.
Titanium tetrachloride, Production of. B. Wilcox. 2,589,466, Mar. 18.
Titanium tetraiodide, Production of. L. J. Reimert. 2,616,784, Nov. 4.
Toaster. F. O. Kompass. 2,588,851, Mar. 11.
Toaster. W. Rahr. 2,597,127, May 20.
Toaster. C. Schoonmaker. 2,582,760, Jan. 15.
Toaster. P. C. Snyder. 2,591,886, Apr. 8.
Toaster. E. C. Stanton. 2,609,044, Sept. 2.
Toaster. R. O. Stevenson and C. R. Turner. 2,616,358, Nov. 4.
Toaster and the like. R. R. Mueller. 2,595,283, May 6.
Toaster, Arcuate. J. E. Kirby. 2,604,841, July 29.
Toaster, Automatic. I. Edelman. 2,588,221, Mar. 4.
Toaster, Automatic electric. D. J. J. Federico. 2,588,100, Mar. 4.
Toaster, Automatic electric. B. G. Olving. 2,597,023, May 20.
Toaster, Automatic electric. J. H. Palmer. 2,615,386, Oct. 28.
Toaster, Automatic electric. J. H. Palmer. 2,621,584, Dec. 16.
Toaster, Automatic pop-up. J. N. Victor. 2,621,583, Dec. 16.
Toaster crumb tray latch. M. Ireland. 2,596,243, May 11.
Toaster, Electric. C. C. Coons and O. B. Sutton. 2,587,968, Mar. 4.
Toaster, Electric. G. W. Dooley. 2,604,032, July 22.
Toaster, Electric. R. H. Gardner. Re. 23,600, Dec. 23.
Toaster, Electric. R. H. Gardner. 2,585,455, Feb. 12.
Toaster, Electric. D. C. Gerber. 2,605,696, Aug. 5.
Toaster, Electric. J. R. Gomersall. 2,606,989, Aug. 12.
Toaster, Electric. W. A. Humphrey. 2,585,465, Feb. 12.
Toaster, Electric. W. A. Humphrey. 2,616,357, Nov. 4.
Toaster, Electric. W. A. Humphrey and O. B. Sutton. 2,585,466, Feb. 12.

Toaster, Electric. W. H. Kitto. 2,580,554, Jan. 1.
Toaster, Electric. W. H. Kitto. 2,597,805, May 20.
Toaster, Electric. E. L. Snyder. 2,581,975, Jan. 8
Toaster, Electric. E. L. Snyder and W. A. Humphrey. 2,597,827, May 20.
Toaster, Electric. H. B. White. 2,585,885, Feb. 12.
Toaster, Electric bread. H. L. Olson and H. J. Freeze. 2,622,505, Dec. 23.
Toaster, Frankfurter. J. L. C. McDonnell. 2,608,928, Sept. 2.
Toaster, grill, and waffle iron, Combination sandwich. G. R. and R. W. Squires. 2,597,541, May 20.
Toaster heating element. L. E. Aske. 2,599,038, June 3.
Toasting apparatus and control, Bread. W. A. Humphrey. 2,594,441, Apr. 29.
Toasting mechanism. H. B. White. 2,594,528, Apr. 29.
Toasting or broiling rack. D. W. Scofield. 2,614,483, Oct. 21.
Tobacco. S. G. Norton. 2,586,701, Feb. 19.
Tobacco arranging machine. S. Hathaway. 2,618,373, Nov. 18.
Tobacco ash receptacle. M. T. Dick. 2,583,730, Jan. 29.
Tobacco barn structure. G. S. Horne. 2,610,568, Sept. 16.
Tobacco feeding device with suction devices. D. W. Molins and F. F. Ruau. 2,585,572, Feb. 12.
Tobacco lath. W. N. Aleshin. 2,610,883, Sept. 16.
Tobacco pipe. K. C. Bugg. 2,581,169, Jan. 1.
Tobacco pipe. C. C. Doty. 2,619,960, Dec. 2.
Tobacco pipe. R. O. Ferguson. 2,589,359, Mar. 18.
Tobacco pipe. T. E. Spence. 2,583,900, Jan. 29.
Tobacco pipe. H. G. Wyse. 2,593,380, Apr. 15.
Tobacco pipe and a hollow member therefor. J. W. Less. 2,596,905, May 13.
Tobacco pipe cleaner. E. Berner. 2,602,455, July 8.
Tobacco pipe receptor. G. N. Polymeros. 2,612,171, Sept. 30.
Tobacco pouch holder. C. W. Jones, Jr. 2,605,891, Aug. 5.
Tobacco product and making the same, Resilient. W. G. Frankenburg. 2,592,554, Apr. 15.
Tobacco product and manufacture. W. G. Frankenburg. 2,598,680, June 3.
Tobacco products and processes therefor. W. G. Frankenburg, and P. W. Garbo. 2,592,553, Apr. 15.
Tobacco sheet material and producing the same. P. A. Sartoretto and J. H. Carter, Jr. 2,613,672-3, Oct. 14.
Tobacco smoking device. A. Nohr. 2,597,124, May 20.
Tobacco smoking pipe. R. H. Mueller and G. W. Fossieck. 2,592,455, Apr. 8.
Tobacco smoking pipe and igniter, Combined. G. F. O'Neill, Jr. 2,588,034, Mar. 4.
Tobacco-smoking pipe bowl and stem cleaner. F. G. Enssle. 2,592,401, Apr. 8.
Tocopherols, Treating. J. G. Baxter. 2,596,090, May 13.
Toe covering and making same. D. L. Naden. 2,594,482, Apr. 29.
Toe in or toe out wheel alignment gauge. D. H. Shooter and J. H. Bender. 2,616,186, Nov. 4.
Toenail correcting device. R. M. Stanley. 2,613,667, Oct. 14.
Toe pledget. S. H. Zeve. 2,603,212, July 15.
Toe protector. I. Kiwad. 2,593,767, Apr. 22.
Toe shield. W. W. Fine. 2,589,791, Mar. 18.
Toe spacing device. T. G. Christopoulos. 2,595,640, May 6.
Toggle-acting collet and making same. A. M. Stoner. 2,584,303, Feb. 5.
Toggle actuated hand grip clamp or wrench. R. J. Kelly. 2,617,458, Nov. 11.
Toggle-actuated pivoted jaw wrench. C. E. Aden. 2,587,673, Mar. 4.
Toggle-actuated, pivoted jaw wrench. C. E. Aden. 2,605,663, Aug. 5.
Toggle actuated quick action C-clamp. E. L. Ratcliff. 2,610,622, Sept. 16.
Toggle-actuated slidable jaw wrench. G. A. Wortelmann. 2,587,263, Feb. 26.
Toggle-actuated slidable side jaw wrench. M. W. Emmett. 2,618,188, Nov. 18.
Toggle bolt. J. Karitzky. 2,616,327, Nov. 4.
Toggle fastener. T. G. Llewhellin. 2,613,974, Oct. 14.
Toggle-operated fly-tying vise. H. Hauser. 2,599,174, June 3.
Toggle press. O. H. May. 2,600,242, June 10.
Toggle press linkage. O. H. May. 2,587,746, Mar. 4.
Toggle switch. J. M. Loge. 2,623,958, Dec. 30.
Toggle switch operating device. M. Goldberg. 2,582,379, Jan. 15.
Toilet accessory for house pets. C. H. Anderson. 2,584,656, Feb. 5.
Toilet bowl brush cabinet. R. D. and A. E. Rollie. 2,595,412, May 6.
Toilet bowl flush tank disinfectant container. A. N. Vierra. 2,620,487, Dec. 9.
Toilet chair. J. C. Moore, 2d. 2,611,416, Sept. 23.
Toilet cleaning apparatus. F. H. Lassiter. 2,605,478, Aug. 5.
Toilet flush tank float valve. S. M. Bennett. 2,598,967, June 3.
Toilet flush tank mechanism. T. E. Crockett. 2,608,991, Sept. 2.
Toilet flush tank refill device. O. E. Southwick. 2,591,975, Apr. 8.
Toilet, Folding. J. W. Jarrett, R. L. Tangeman and M. B. Schmidt. 2,611,134, Sept. 23.
Toilet kit. A. Grower. 2,611,380, Sept. 23.
Toilet kit. E. A. Kollontay. 2,593,896, Apr. 22.
Toilet paper dispenser. F. E. Gillespie, Jr. 2,607,546, Aug. 19.
Toilet paper holder. E. J. Hill. 2,582,036, Jan. 8.
Toilet paper holder. G. H. Roddan. 2,592,955, Apr. 15.
Toilet paper roll cover concealer and holder. A. M. Herta. 2,606,724, Aug. 12.
Toilet paper storage and dispenser. C. S. Deffenbaugh. 2,620,991, Dec. 9.
Toilet seat. R. Liebling. 2,584,141, Feb. 5.
Toilet seat sanitation device. J. Monaghan. 2,592,167, Apr. 8.
Toilet set handle for mirror and back construction. W. Steinen. 2,597,906, May 27.
Toilet tank fitting holding tool. S. Wanamaker. 2,611,949, Sept. 30.
Toilet tissue holder cover. W. M. Lauton. 2,590,552, Mar. 25.
Toilet tissue magazine and dispensing cabinet. J. Page and C. Mattioli. 2,605,975, Aug. 5.
Toll checking system. B. Cooper. 2,622,138, Dec. 16.
Toll collection transaction printer. B. Cooper. 2,621,101, Dec. 9.
Toll supervisory operator's telephone circuit. R. B. Buchanan. 2,619,549, Nov. 25.
Tone arm. M. M. Palo and F. W. Schmid. 2,600,914, June 17.
Tone arm holder. F. J. Holik. 2,583,845, Jan. 29.
Tone arm indexing apparatus. B. N. Fisher. 2,586,422, Feb. 19.
Tone arm moving and latching mechanism. H. E. Williams. 2,599,963, June 10.
Tone improving means for accordions. M. H. Pakman and A. J. Dellaira. 2,581,553, Jan. 8.
Tone keyer. P. E. Volz. 2,599,675, June 10.
Tong. W. L. Church. 2,612,066, Sept. 30.
Tongs, Coal. B. H. Bible. 2,591,499, Apr. 1.
Tongs for stringless tea bags. F. S. Whitmarsh. 2,621,068, Dec. 9.
Tongs for test tubes or the like. A. J. Marbeuf. 2,608,433, Aug. 26.
Tongs, Grip. J. A. Skoog. 2,584,236, Feb. 5.
Tongs having releasable load engaging tines. E. Kupka. 2,596,857, May 13.
Tongs, Olive. W. E. Bair. 2,609,228, Sept. 2.
Tongs, Oyster. R. J. Tennis. 2,603,526, July 15.
Tongs, Utility. R. J. Underwood and S. E. Pierce. 2,622,917, Dec. 23.
Tongue for motorless vehicles, Adjustable. C. I. Leveke. 2,582,595, Jan. 15.
Tongue scraper. G. D. Runnels. 2,583,750, Jan. 29.
Tool: *See*—
- Abrasive holding hand tool.
- Adjustable strip cutting tool.
- Adjustable tool.
- Auto body repair tool.
- Automatic thermal metal-joining tool.
- Automobile body repair tool.
- Automobile engine belt tool.
- Axially collapsing type removing hand tool.
- Body and fender straightening tool.
- Boring tool.
- Box strapping tool.
- Bumper tool.
- Burnishing tool.
- Bushing inserting tool.
- C-ring applying and removing tool.
- Carpet cutting tool.
- Cartridge belt assembly tool.
- Cartridge loading tool.
- Castrating band applying tool.
- Ceramic tool.
- Circular cutting tool.
- Circumferentially traveling tire bead prying tool.
- Circumferentially traveling type tire removing tool.
- Clamp connector tool.
- Clutch finger tool.
- Combination nut running and setting tool.
- Combination staking tool.
- Combination tool.
- Combined boring and turning tool.
- Combined slidable jaw wire cutting and holding tool.
- Concrete cutting tool.
- Core distintegrating drilling tool.
- Coring tool.
- Corner forming tool.
- Countersinking tool.
- Cutting tool.
- Dental and surgical percussion tool.
- Dental finishing tool.
- Diamond tool.
- Door-gasket corner cutting tool.
- Door handle removing tool.
- Ear notching tool.
- Electric wallpaper cutting tool.
- Electrically heated paint and paper softening tool.
- Electrically heated paint removing tool.
- Electrically heated wire stripping tool.
- Electrically operated chuck or machine tool.
- Explosively actuated bonding tool.
- Fan belt tool.
- Fence stapling tool.
- Filing tool.
- Fire tool.
- Fishhook dislodging and extracting tool.
- Fishmouth holding tool.
- Fishing tool.
- Flaring tool.
- Floor-laying tool.
- Fluid pressure operated portable compressing tool.
- Flywheel tool.
- Foldable pocket tool.
- Forming tool.
- Frame building dismantling tool.
- Garden tool.

Tool: *See*—Continued.
- General utility gripping tool.
- Grass trimming tool.
- Gripping tool.
- Groove dressing tool.
- Gun repair tool.
- Hand carried power tool.
- Hand metal stamping tool.
- Hand notching tool.
- Hand-operated motor-driven radial machine tool.
- Hand scraping tool.
- Hand tool.
- Hay tool.
- Heat-sealing tool.
- High-frequency heating tool.
- Honing tool.
- Hubcap removing tool.
- Impact tool.
- Jarring tool.
- Lever actuated tire bead forcing tool.
- Lever actuated tire bead loosening tool.
- Lever actuated tube bending hand tool.
- Link pivot removing tool.
- Machine parts polishing tool.
- Machine tool.
- Magnetic fishing tool.
- Magnetic tool.
- Magnetized valve keeper tool.
- Manually formable skid chain strap applying tool.
- Material straightening tool.
- Mechanical edging and grooving tool.
- Mechanical strip deburring tool.
- Metal working tool.
- Mitering tool.
- Motor-driven transfer tool.
- Motorized stripping tool.
- Multiple bit tool.
- Multiple machine tool.
- Notching tool.
- Overshot tool.
- Pantograph machine tool.
- Pattern scribing tool.
- Percussion tool.
- Pilot lamp mounting tool.
- Pipe machining tool.
- Piston reforming tool.
- Pivotally mounted axially traveling tire removing tool.
- Pivoted hand tool.
- Pneumatic tire bead loosening tool.
- Portable mortis cutting tool.
- Poultry dressing tool.
- Power-actuated rotary tool.
- Power-operated impact tool.
- Power tool.
- Prizing tool.
- Railway track tool.
- Reaming tool.
- Recessing tool.
- Reciprocative electromagnetic tool.
- Retrieving tool.
- Ring sizing tool.
- Rivet detonating tool.
- Rivet feeding tool.
- Rock drilling tool.
- Roller jewel setting tool.
- Roller removing tool.
- Rotary cultivating tool.
- Rotary driven percussive tool.
- Rotary impact tool.
- Rotary surface-finishing tool.
- Rotatable marking tool.
- Roughing and finishing tool.
- Sander tool.
- Saw setting tool.
- Scraping and wiping tool.
- Screen stretching tool.
- Screw thread upsetting tool.
- Setting tool.
- Sheet metal cutting tool.
- Side wall coring tool.
- Sleeve compressing tool.
- Slitting and scoring tool.
- Spaceband tool.
- Spanner type flywheel rotating tool.
- Spark plug installing and removing tool.
- Spring fired explosively actuated tool.
- Squaring tool.
- Stapling tool.
- Strap fastening tool.
- Stretching tool.
- Suction operated floor cleaning tool.
- Surfacing tool.
- Tape applying tool.
- Tapping tool.
- Template controlled machine tool.
- Tensioning tool.
- Tire chain mounting tool.
- Toilet tank fitting holding tool.
- Torque measuring tool.
- Tuning and locking tool.
- Upholstering tool.
- Valve adjusting tool.
- Valve key placing tool.
- Valve refinishing tool.
- Valve reseating tool.
- Valve seat grinding tool.
- Valve sleeve tool.
- Valve-to-tappet clearance setting tool.
- Valve tool.
- Wall corner forming tool.
- Watch hand pressing tool.
- Watchmaker's poising tool.
- Weeding tool.
- Well cementing tool.
- Well-digging tool.
- Well fishing tool.
- Wire connecting tool.
- Wire fence tool.
- Wire heading tool.
- Wire strapping tool.
- Wire tying tool.
- Woodworking hand power tool.
- Yarn design forming tool.

Tool. D. T. Baldwin. 2,609,179, Sept. 2.
Tool. L. K. Rogacki. 2,585,038, Feb. 12.
Tool adapted for use as a wrench or as auxiliary handle for other wrenches and tools. J. J. Grenat. 2,605,665, Aug. 5.
Tool anchoring device, Well. R. C. Baker. 2,605,843, Aug. 5.
Tool and making same, Abrasive. L. Catallo. 2,582,231, Jan. 15.
Tool and the like, Bailing. J. F. Dornacher. 2,594,884, Apr. 29.
Tool and utensil, Kitchen. W. L. Buedingen. 2,601,087, June 17.
Tool assembly, Diamond. J. Loecy, Jr. 2,581,544, Jan. 8.
Tool bar mounting. E. J. Patterson. 2,593,176, Apr. 15.
Tool bit grinding fixture. W. C. Keebler. 2,595,950, May 6.
Toolbox, Fisherman's utility. W. A. Uttz. 2,622,729, Dec. 23.
Toolbox, Wall mounted. A. E. Grennan. 2,589,370, Mar. 18.
Tool bracket and indexing assembly. S. P. Bruce. 2,592,240, Apr. 8.
Tool cabinet. B. B. Willis. 2,606,805, Aug. 12.
Tool cabinet and workbench. A. P. Fox and A. D. Reisert. 2,587,829, Mar. 4.
Tool carriage support and dust guard therefor. C. P. Gesner. 2,615,762, Oct. 28.
Tool carrier for cutting tools, Rotary. J. Dürler. 2,583,477, Jan. 22.
Tool chest. A. H. Oliver. 2,611,479, Sept. 23.
Tool clamping means. C. T. Rasmussen, W. R. Frank and H. I. Hagen. 2,584,614, Feb. 5.
Tool dresser for pattern controlled machine tools. J. O. Creek. 2,594,130, Apr. 22.
Tool driving and feeding equipment, Fluid pressure actuated. N. V. Smith. 2,604,759, July 29.
Tool driving means and control therefor. O. W. Greenberg. 2,598,253, May 27.
Tool ejector. C. E. Linden and F. O. Wetzel. 2,590,629, Mar. 25.
Tool ejector. C. E. Linden and F. O. Wetzel. 2,618,180, Nov. 18.
Tool fixture, Dressing. W. Muench. 2,622,580, Dec. 23.
Tool for applying and removing fan belts, Hand. J. N. Hawkins. 2,621,529, Dec. 16.
Tool for applying and removing nipples from radiators and the like. C. H. Baker. 2,598,877, June 3.
Tool for applying footwear identification. J. C. Lindquist. 2,600,551, June 17.
Tool for assembling and disassembling conecting rods and their bearings. P. T. Gorton. 2,610,391, Sept. 16.
Tool for bleeding brake cylinders, Valved. C. J. Legerski. 2,611,387, Sept. 23.
Tool for casing protuberances, Feeler. E. L. Condra. 2,590,233, Mar. 25.
Tool for checking alignment of transmissions of automotive and like equipment. J. N. Mendro, R. L. Callahan and R. E. Horner. 2,616,184, Nov. 4.
Tool for cleaning grease fittings. W. P. Russell. 2,593,799, Apr. 22.
Tool for cleaning switch banks, Pneumatic. V. F. Miller. 2,602,180, July 8.
Tool for collapsing anchoring sockets, Expanding. G. F. Croessant. 2,582,417, Jan. 15.
Tool for cutting abrasive wheels and other materials. D. L. Finke. 2,587,132, Feb. 26.
Tool for cutting circular holes. L. Masini. 2,591,847, Apr. 8.
Tool for cutting concave grinding wheel face, Diamond holding. W. Muench. 2,602,439, July 8.
Tool for drilling rocks and the like and drilling device comprising such tools. P. Marceron. 2,599,770, June 10
Tool for driving and setting blind fasteners. J. C. Lang. 2,581,262, Jan. 1.
Tool for elastic bands, Expander. R. M. Minock. 2,601,547, June 24.
Tool for extracting bushings. J. L. McCord. 2,614,318, Oct. 21.
Tool for floriculture, horticulture, and turf culture, Forming and cutting. E. J. Casey. 2,612,725, Oct. 7.
Tool for forming dinnerware. G. B. Guthrie. 2,599,910, June 10.
Tool for handling substantially cylindrical articles. J. B. Minor, Sr. 2,593,782, Apr. 22.
Tool for hose clamps, Wire bending and clenching. J. J. Jelinek. 2,591,158, Apr. 1.
Tool for inserting screw thread linings. J. O. Forster. 2,584,118, Feb. 5.
Tool for installing tubular rivets, Manually operable. S. L. Gookin. 2,582,248, Jan. 15.
Tool for internal cylindrical surfaces, Knurling. R. R. Tector. 2,618,182, Nov. 18.
Tool for locating and turning small nuts, boltheads, etc., Finger-supported. W. J. Faso. 2,585,641, Feb. 12.
Tool for making rugs, carpets, and the like with a cut pile, Hand. M. S Hurley. 2,605,727, Aug. 5.
Tool for manufacturing spiral groove tubing. N. Molinare. 2,611,413, Sept. 23.
Tool for mounting metal strips on rods. N. E. F. Holmqvist. 2,623,275, Dec. 30.
Tool for perforating radiator hangers. H. B. Fechter. 2,620,879, Dec. 9.
Tool for removing dents from sheet metal. J. A. Lile. 2,602,358, July 8.
Tool for portable motor-blower units, Draft applying. G. W. Breuer and C. W. Lanter. 2,586,145, Feb. 19.
Tool for pulling clinch nuts, Hydraulic. H. R. Fischer and J. A. Roberts. 2,583,733, Jan. 29.
Tool for releasing clock springs. B. F. Cameron. 2,615,357, Oct. 28.
Tool for removing dents in sheet metal, Pivoted hand. L. M. Back. 2,600,723, June 17.
Tool for removing door handle retaining springs. P. R. Roper. 2,597,381, May 20.
Tool for removing hub caps. F. J. Brugmann. 2,590,150, Mar. 25.
Tool for removing overflow tube threads in toilets. J. F. Dahl. 2,591,409, Apr. 1.
Tool for removing partial dentures. B. F. Sprague. 2,602,998, July 15.
Tool for repairing slide fasteners. J. S. Harris. 2,594,774, Apr. 29.
Tool for saw teeth, Combined. J. F. Dawson. 2,623,415, Dec. 30.

Tool for scraping tube interiors, Rotary. C. E. Sturgis. 2,599,077, June 3.
Tool for seating wastes. D. J. Galbraith. 2,605,664, Aug. 5.
Tool for securing cable clamps. A. G. Lundgren. 2,588,738, Mar. 11.
Tool for separating two-part rims or wheels of vehicles. C. H. Honeycutt. 2,622,666, Dec. 23.
Tool for severing metal bands on crates and the like. J. A. Fanelli. 2,593,663, Apr. 22.
Tool for severing the flanges of channels. T. M. Porter. 2,589,727, Mar. 18.
Tool for shaping the ends of conduits. G. L. Riordan. 2,595,541, May 6.
Tool for snap ties, Inserting. G. Erbe. 2,591,925, Apr. 8.
Tool for socket head fasteners, Driving. H. F. Phipard, Jr. 2,601,453, June 24.
Tool for spreading split ends of connecting rods. J. A. Riordan. 2,583,392, Jan. 22.
Tool for stretching finger rings. E. G. Henry. 2,594,432, Apr. 29.
Tool for tangless coils, Inserting. J. O. Forster. 2,586,805, Feb. 26.
Tool for tapering fiber pipe ends. G. F. Haddican. 2,616,462, Nov. 4.
Tool for tensioning and cutting binding straps. J. W. Dunbar. 2,600,224, June 10.
Tool for tube sockets and terminal strips, Soldering. G. B. Warsaw. 2,612,128, Sept. 30.
Tool for tubing fitting, Cleaning. R. C. Wallace. 2,604,736, July 29.
Tool for tubing, Portable packoff. H. Meyer. 2,580,573, Jan. 1.
Tool for upsetting hollow rivets. A. N. Volpe. 2,605,011, July 29.
Tool for wells, Hydrostatic pulling. L. W. Smith and L. W. Smith, Jr. 2,595,014, Apr. 29.
Tool for winding radiating fin on pipes. A. J. Harrison. 2,604,138, July 22.
Tool for wire thread inserts, Preganging. J. O. Forster. 2,594,900, Apr. 29.
Tool grinding fixture. G. H. Mouw. 2,595,093, Apr. 29.
Tool guide. O Suter. 2,606,793, Aug. 12.
Tool handle. G. C. Fratz and P. W. Sandrock. 2,620,001, Dec. 2.
Tool handle fastening. D. M. Waters. 2,615,247, Oct. 28.
Tool handle grip. J. H. Boutte. 2,603,999, July 22.
Toolhead. A. Augustin-Normand. 2,618,204, Nov. 18.
Toolhead with adjustment indicator. G. H. Lagher. 2,590,420, Mar. 25.
Toolholder. P. R. Auerbach. 2,607,254, Aug. 19.
Toolholder. G. C. Austin. 2,591,115, Apr. 1.
Toolholder. J. W. Clark. 2,593,847, Apr. 22.
Toolholder. E. C. Crawford. 2,594,402, Apr. 29.
Toolholder. R. W. Fricke. 2,591,692, Apr. 8.
Toolholder. T. W. Kearins. 2,618,048, Nov. 18.
Tool holder. A. J. Leveille. 2,587,179, Feb. 26.
Toolholder. D. W. Moore. 2,585,487, Feb. 12.
Toolholder. E. M. Patterson and E. O. Behne. 2,611,621, Sept. 23.
Toolholder. J. W. Ramey. 2,604,738, July 29.
Toolholder. O. C. Severson. 2,584,505, Feb. 5.
Toolholder. K. Ziegler. 2,611,948, Sept. 30.
Toolholder, Antichatter floating. A. W. Parkins. 2,596,821, May 13.
Tool-holder assembly. S. P. Bruce. 2,585,733, Feb. 12.
Toolholder for impact tools. R. C. Gravis. 2,589,075, Mar. 11.
Toolholder for lathes, Adjustable. L. J. Suber. 2,581,980, Jan. 8.
Toolholder for tapered shanked tools. R. A. Edens. 2,612,377, Sept. 30.
Toolholder, Precision. J. F. Golden. 2,582,083, Jan. 22.
Toolholder, Resilient. E. J. Adrien. 2,596,110, May 13.
Toolholder, Safety friction. F. M. Marshall. 2,593,907, Apr. 22.
Toolholding chuck. E. Podjaski. 2,597,816, May 20.
Tool joint wear sleeve. E. G. Boice. 2,592,854, Apr. 15.
Toolmaker's parallel screw clamp. H. W. Spring. 2,581,978, Jan. 8.
Tool mount. A. E. Clark. 2,597,619, May 20.
Tool operating machine, Rotary and reciprocating. J. Grzybowski. 2,604,127, July 22.
Tool or die and holder assembly. L. E. Coulter. 2,598,975, June 3.
Tool post for lathes. R. H. Bergstrom. 2,616,326, Nov. 4.
Tool post, Hydraulically adjustable. D. O. Ferris. 2,615,233, Oct. 28.
Tool press and operating means therefor. J. W. Adams. 2,602,507, July 8.
Tool rack. R. Bartleman. 2,615,577, Oct. 28.
Tool rack for meat blocks. B. Berg. 2,591,229, Apr. 1.
Tool reciprocating device. E. E. Martin. 2,618,107, Nov. 18.
Tool setting device for machine tools. A. Bechler. 2,619,863, Dec. 2.
Tool setting device on lathes and other machine tools. C. G. Arengo. 2,600,829, June 17.
Tool slide. T. D. Foster and R. A. Lauterbur. 2,608,897, Sept. 2.
Tool slide. C. D. Pulsifer. 2,581,602, Jan. 8.
Tool slide actuating mechanism. C. E. Miller. 2,621,522, Dec. 16.
Tool stand. W. M. Shoffner. 2,603,975, July 22.
Tool stand and case, Combination. L. H. Drohman. 2,589,234, Mar. 18.
Tool support. N. H. Franks. 2,599,170, June 3.
Tool supporting carriage. E. E. Gesner. 2,598,251, May 27.
Tool supporting carriage. E. E. Gesner. 2,602,710, July 8.
Tool to remove covers from articles, Spanner. E. G. Dayle. 2,592,251, Apr. 8.
Tool transporter. C. E. Lepper. 2,606,001, Aug. 5.
Tool with adjustable brush, Suction cleaning. E. A. Welland. 2,620,506, Dec. 9.
Tool with opposed pressure elements, Pivoted tire bead breaking. P. Cebolski. 2,599,232, June 3.
Tool with resilient striking surface, Impact. C. J. Fisher. 2,592,883, Apr. 15.
Tool with separable handle. S. Blum. 2,605,110, July 29.
Tooling articles of leather or the like. J. R. Craighead. 2,581,361, Jan. 8.
Toothbrush. W. G. Robey. 2,618,003, Nov. 18.
Toothbrush. F. J. Zavada. 2,582,404, Jan. 15.
Toothbrush and antiseptic holder. R. A. Ober. 2,584,042, Jan. 29.
Toothbrush and article holder. F. A. Venditti. 2,600,345, June 10.
Toothbrush and case, Combination. G. S. Ridner, Sr. 2,620,500, Dec. 9.
Toothbrush and casing, Combined. H. E. Carlson. 2,608,293, Aug. 26.
Toothbrush construction. K. M. Speig. 2,621,352, Dec. 16.
Toothbrush, Fountain. M. Ackerman. 2,592,099, Apr. 8.
Toothbrush, Fountain. L. E. Walker and G. R. Morton. 2,587,794, Mar. 4.
Toothbrush having a trapezoidal transverse head. C. Kisky. 2,603,806, July 22.
Toothbrush having separate rows of long bristles and short bristles. F. E. Chauvin. 2,622,259, Dec. 23.
Toothbrush holder. G. R. Cedarleaf. 2,582,006, Jan. 8.
Toothbrush holder and powder dispenser, Combined. T. M. Dendy. 2,596,217, May 13.
Toothbrush, Manually driven. L. J. Steinberg. 2,601,567, June 24.
Toothbrush, Manually operated pressure feed fountain. L. F. Perwas. 2,599,658, June 10.
Toothbrush protector. R. S. Triana. 2,621,780, Dec. 16.
Toothbrush, Reversible rotary. J. G. Mason. 2,618,161, Nov. 18.
Toothbrush, Spring pressed. A. E. Zavagno. 2,588,601, Mar. 11.
Toothbrush with demountably supported rotary brushes, Power-driven. A. J. Schlegel. 2,583,886, Jan. 29.
Toothbrush with removable head. M. W. Vannice. 2,622,260, Dec. 23.
Tooth cleaner. S. W. Sam. 2,612,176, Sept. 30.
Toothcomb, Retractable. W. H. and D. M. Johnson. 2,584,023, Jan. 29.
Tooth powder dispenser. F. J. Pacilio. 2,580,947, Jan. 1.
Toothed ice-crusher drum. B. A. Matthiesen. 2,583,741, Mar. 11.
Toothed shouldered spring retainer clip. E. J. Soltysik. 2,596,346, May 13.
Top burner for gas ranges. J. E. Chambers. 2,614,620, Oct. 21.
Top box with a thread cutter for knitting machines. E. Vossen. 2,595,998, May 6.
Top, Collapsible. J. J. Fodermaier, Jr. 2,592,512, Apr. 8.
Top cylinder lubricator. H. L. White. 2,614,550, Oct. 21.
Top for automobiles, Convertible. S. Sulkowski, Jr. 2,593,360, Apr. 15.
Top for solid top automobiles, Removable. H. Dvorkin. 2,619,919, Dec. 2.
Top for vehicle bodies, Foldable. C. B. Doty. 2,620,223, Dec. 2.
Top for vehicle bodies, Foldable. T. Vigmostad. 2,580,487, Jan. 1.
Top for vehicles, Collapsible. T. Vigmostad. 2,580,486, Jan. 1.
Top, Illuminated. J. W. Krapp. 2,611,995, Sept. 30.
Top insulator for motor vehicle bodies. R. E. Smith. 2,608,942, Sept. 2.
Top roll. W. C. Wright. 2,595,041, Apr. 29.
Top roll and bearing structure therefor. W. S. Pierce, Jr., and F. H. Stearns. 2,623,245, Dec. 30.
Top roll assembly. O. R. Rowe, G. Schoeneck, and W. J. Stolp. 2,591,612, Apr. 1.
Top roll for fiber attenuating apparatus. E. P. Waite. 2,621,374, Dec. 16.
Top roll structure. V. A. Hanson. 2,596,334, May 13.
Top, Spinning. R. D. Olson. 2,583,275, Jan. 22.
Top, Spinning. W. J. Wassenaar. 2,595,823, May 6.
Top to frame connecting structure mechanism. W. A. Poe. 2,609,264, Sept. 2.
Top, Writing. L. H. Pepin. 2,618,891, Nov. 25.
Topographic presentation radar. W. J. Hirschberg. 2,605,463, July 29.
Topped oxo alcohol treatment by caustic and air. C. H. Hale. 2,595,785, May 6.
Torch cutting apparatus for surfacing weld metal. H. S. George. 2,601,383, June 24.

Torch cutting machine for large pipe and the like. H. H. Halonen. 2,622,327, Dec. 23.
Torch for heating watermelon hills. A. Hallum. 2,609,641, Sept. 9.
Torch with concentric gas, oxygen, and mixture outlets. W. H. Haak. 2,598,787, June 3.
Toroidal variable-speed gear drive. J. Picanol. 2,595,367, May 6.
Torpedo depth control system. A. I. Keto. 2,613,627, Oct. 14.
Torpedo director. R. M. Freeman. 2,581,401, Jan. 8.
Torpedo director. R. W. Pitman. 2,581,138, Jan. 1.
Torpedo head, Variable length. T. C. Boyle. 2,596,120, May 13.
Torpedo hull. L. Jones. 2,612,857, Oct. 7.
Torpedo level case. D. E. Updyke. 2,607,129, Aug. 19.
Torpedo recording mechanism. C. T. Minkler. 2,617,703, Nov. 11.
Torpedo, Wakeless. R. H. Canfield. 2,589,225, Mar. 18.
Torque amplifying system. N. Minorsky. 2,590,029, Mar. 18.
Torque converter. H. A. Meyer. 2,587,503, Feb. 26.
Torque converter. E. J. Thurber. 2,616,303, Nov. 4.
Torque converter. J. B. Whitlow. 2,585,886, Feb. 12.
Torque converter and lockup means therefor. H. E. Churchill and W. A. Hasbany. 2,597,921, May 27.
Torque converter, Automatic. H. Orner. 2,608,884, Sept. 2.
Torque converter brake construction. R. Lapsley. 2,611,452, Sept. 23.
Torque converter brake control. A. Quayle. 2,596,722, May 13.
Torque dynamometer. D. C. Lumb and B. Pundick. 2,582,784, Jan. 15.
Torque equalizer for counterrotating propellers. T. E. Dingmoor. 2,584,115, Feb. 5.
Torque limiting clutch mechanism. H. R. Greenlee. 2,595,454, May 6.
Torque limiting means for engine starters and the like. R. M. Nardone. 2,592,320, Apr. 8.
Torque-limiting rotary power transmission device. C. H. Mayer. 2,618,186, Nov. 18.
Torque measuring device. S. C. Cockrell and F. F. Glasgow. 2,614,417, Oct. 21.
Torque measuring device. G. E. Jamieson. 2,623,385, Dec. 30.
Torque measuring tool. A. C. Millard and O. C. Morrill. 2,607,219, Aug. 19.
Torque mechanism. H. P. McAlister. 2,590,635, Mar. 25.
Torquemeter. J. G. Quinn. 2,615,332, Oct. 28.
Torque testing and calibrating device. F. Krahulec. 2,589,401, Mar. 18.
Torque testing instrument for self-locking nuts, etc. W. H. Petit. 2,586,708, Feb. 19.
Torque transmitting device. S. F. Gorske. 2,598,993, June 3.
Torque transmitting device. J. Last. 2,588,017, Mar. 4.
Torque tube bracket assembly for clothes wringers. O. F. Couchot. 2,580,520, Jan. 1.
Torque wrench. W. H. Mayer. 2,601,044, June 17.
Torque wrench. E. H. Shaff. 2,614,418, Oct. 21.
Torsion bar suspension for individual wheel mountings. L. Thoma. 2,596,022, May 13.
Torsion meter. W. H. T. Holden. 2,586,540, Feb. 19.
Torsion sprlug suspension. R. F. Kohr. 2,604,319, July 22.
Torsion transmitting mounting for torsion members such as rods and springs. P. Z. Anderson. 2,606,020, Aug. 5.
Torsional drive shaft. D. E. Fritz. 2,590,169, Mar. 25.
Torsional equalizer suspension device. R. C. Bateman. 2,600,462, June 17.
Torsional interferometer. W. P. Mason. 2,607,216, Aug. 19.
Torsional support. R. W. Brown. 2,581,912, Jan. 8.
Torsional vibration damper. G. F. Sarazin. 2,590,579, Mar. 25.
Torsional vibration pickup. R. H. Beadle. 2,612,773, Oct. 7.
Total-taking control mechanism for record card controlled statistical machines. S. R. Haines. 2,607,527, Aug. 19.
Total transfer mechanism. F. O. V. Larsen. 2,581,870, Jan. 8.
Totalizator system. J. Handley. 2,622,802, Dec. 23.
Totalized current release device for circuit breakers. W. A. Coburn. 2,600,734, June 17.
Totalizer actuator control mechanism. J. Wallace. 2,614,749, Oct. 21.
Totalizer and calculator. A. H. Naef and J. P. Smith Jr. 2,597,123, May 20.
Touch adjustment for electric control devices. R. F. Sambleson. 2,581,207, Jan. 1.
Tough, strong, and easily-processed vinyl chloride interpolymers containing free side-chain carboxyl groups. R. J. Wolf. 2,605,254, July 29.
Toupee. S. Perlin. 2,604,104, July 22.
Tourniquet. C. Kranc. 2,604,098, July 22.
Tourniquet, Automatic. J. K. Tacker. 2,614,565, Oct. 21.
Tow bar. C. A Klein. 2,610,070, Sept. 9.
Towed glider with automatic tow cable release. R. M. Carlson. 2,612,327, Sept. 30.
Towing apparatus. R. F. Ostrander. 2,582,153, Jan. 8.
Towing clayware. J. Walley and J. A. Johnson. 2,612,729, Oct. 7.
Towing device. J. A. Manders. 2,612,383, Sept. 30.
Towing device, Trailer. F. E. Knapp. 2,622,891, Dec. 23.
Towing harness. E. B. Wampler. 2,592,771, Apr. 15.
Towing hitch. A. J. Boivin. 2,581,833, Jan. 8.
Towing mast for trucks. A. E. Ward. 2,596,629, May 13.
Towel dispensing apparatus. R. G. Birr. 2,601,956, July 1.
Towel feeding and cutting machine. C. Jacobson. 2,612,425, Sept. 30.
Towel or cloth holder. D. E. Moore. 2,613,000, Oct. 7.
Towel rack. M. J. Hornick. 2,606,667, Aug. 12.
Tower ladder safety device. R. H. Herod. 2,616,609, Nov. 4.
Tower yarder assembly. G. Frink. 2,607,500, Aug. 19.
Toxic bait for oyster beds. A. A. Sollers. 2,613,474, Oct. 14.
Toy aerial projectile, Whistling. F. O. Worden. 2,621,441, Dec. 16.
Toy, Aerial spinning. W. C. Studt. 2,595,374, May 6.
Toy, Air operated figure. J. N. Zelik. 2,582,856, Jan. 15.
Toy airplane. H. J. Perker and C. R. Anderson. 2,608,027, Aug. 26.
Toy airplane, Tethered. J. A. Calhoun. 2,593,979, Apr. 22.
Toy airplane, U control. H. W. Johnson and R. L. Palmer. 2,611,213, Sept. 23.
Toy and bank, Expansible. W. E., Jr., and W. E. Lawson, Sr. 2,598,807, June 3.
Toy and handle therefor, Ball and runway. M. P. Marong. 2,614,361, Oct. 21.
Toy and savings bank, Combination. A. P. Roffee. 2,581,707, Jan. 8.
Toy and support therefor, Baby's. A. K. Brumby. 2,598,218, May 27.
Toy, Animatable. J. Martial and L. L. Ciampa. 2,616,215, Nov. 4.
Toy, Animated. D. Rockwood. 2,620,593, Dec. 9.
Toy, Animated booklet. N. J. Gibelli. 2,623,325, Dec. 30.
Toy, Animated mechanical. E. Fields. 2,600,984, June 17.
Toy, Animated mechanical. H. Saito. 2,591,469, Apr. 1.
Toy, Animated mechanical. W. L. Strauss. 2,600,340, June 10.
Toy, Animated sounding figure. E. Nudelman, R. C. Reed, and J. W. Ehemann. 2,618,894, Nov. 25.
Toy, Animated wheeled. J. H. Gonda. 2,591,804, Apr. 8.
Toy, Aquatic. C. E. Snowden. 2,604,055, July 22.
Toy, Article projecting figure. H. Solloway and T. L. Bonkowski. 2,611,997, Sept. 30.
Toy, Articulated dancing. W. M. Huth. 2,585,467, Feb. 12.
Toy, Automatically turning wheeled. R. J. Lohr. 2,587,052, Feb. 26.
Toy bank. A. Pudark and H. Rapaport. 2,590,271, Mar. 25.
Toy bank. I. Rosenbloom. 2,598,442, May 27.
Toy bank, Coin controlled. H. B. Grow. 2,622,365, Dec. 23.
Toy bank coin depositing mechanism. F. E. Janiak. 2,606,394, Aug. 12.
Toy bead loom. F. Wehrli. 2,601,222, June 17.
Toy bell. L. W. Hubbell. 2,598,169, May 27.
Toy boat with propelling means. W. C. Forrest. 2,607,160, Aug. 19.
Toy, Bob-up. K. W. Johnson. 2,585,780, Feb. 12.
Toy bomb. H. Callen. 2,616,219, Nov. 4.
Toy, Boxing. M. Land. 2,586,432, Feb. 19.
Toy, Boxing. P. Whitlock. 2,603,034, July 15.
Toy bubble gun, Repeating. W. D. Beezley and O. V. Phillips. 2,599,888, June 10.
Toy, Bubble producing. A. P. Fulton. 2,606,395, Aug. 12.
Toy, Bubbling liquid. M. Soss. 2,590,279, Mar. 25.
Toy building boxes. J. F. Winnemore. 2,589,588, Mar. 18.
Toy building, Collapsible. F. A. Olson. 2,608,726, Sept. 2.
Toy bulldozer, Remote-controlled. R. A. MacKenzie. 2,586,239, Feb. 19.
Toy caboose. J. L. Bonanno. 2,610,442, Sept. 16.
Toy, Captive hoop. C. Metz. 2,613,476, Oct. 14.
Toy carrousel. H. Singer. 2,613,931, Oct. 14.
Toy chest. I Young. 2,582,575, Jan. 15.
Toy, Children's wheeled. M. D. Sacks. 2,590,467, Mar. 25.
Toy, Child's rocker. F. T. Hilliker. 2,615,495, Oct. 28.
Toy, City traffic. E. Nichols. 2,602,262, July 8.
Toy, Climbing. V. F. Wigal. 2,618,889, Nov. 25.
Toy, Climbing and spinning. S. P. Németh. 2,610,439, Sept. 16.
Toy, Combination. H. F. Benze. 2,605,812, Aug. 5.
Toy compressed-air pistol. R. Boulet. 2,583,463, Jan. 22.
Toy, Construction. K. W. Johnson. 2,585,781, Feb. 12.
Toy, Construction. P. E. Wilcox. 2,587,798 Mar. 4.
Toy construction rod. J. A. Cozzone. 2,583,474, Jan. 22.
Toy conveyer. A. E. May, Jr. 2,618,377, Nov. 18.
Toy cowboy, Mechanical. W. E. Mossbauer. 2,595,971, May 6.
Toy, Dancing. C. Swyers. 2,605,586, Aug. 5.
Toy dart projectile. W. Fritsche. 2,622,881, Dec. 23.
Toy derrick. T. M. Niemi. 2,606,668, Aug. 12.

Toy device. Educational figure. R. P. and F. S. Taylor. 2,592,078, Apr. 8.
Toy disk projector. R. W. Clauss. 2,598,354, May 27.
Toy dog bank. H. A. Kieselhorst. 2,594,448, Apr. 29.
Toy, Dog's. W. Jones. 2,610,851, Sept. 16.
Toy drinking tube. M. Dinhofer. 2,619,770, Dec. 2.
Toy drive, Mechanical. J. Papay. 2,610,527, Sept. 16.
Toy drum. M. Lebensfeld and M. Buxbaum. 2,620,703, Dec. 9.
Toy duck, Amphibian. T. C. Martin. 2,621,442, Dec. 16.
Toy, Educational. L. Amsel. 2,612,708, Oct. 7.
Toy, Educational. W. S. Brodes. 2,590,501, Mar. 25.
Toy, Educational. J. Mindel. 2,623,303, Dec. 30.
Toy, Educational. T. N. Mulvihill. 2,608,006, Aug. 26.
Toy, Educational. O. Rinde. 2,586,564, Feb. 19.
Toy element, Constructional. R. E. Mercier. 2,589,952, Mar. 18.
Toy, Exercising. C. J. Jugans. 2,614,505, Oct. 21.
Toy eye structure, Figure. A. F. Dikszas. 2,619,772, Dec. 2.
Toy figure. O. M. Jones. 2,619,771, Dec. 2.
Toy, Figure. K. H. Nicholls. 2,601,739, July 1.
Toy figure eye construction. E. Nudelman. 2,604,728, July 29.
Toy figure, Illuminated. B. L. Levinson. 2,605,385, July 29.
Toy firearm. J. H. Weimer and H. J. Rockey, Sr. 2,621,436, Dec. 16.
Toy flatcar. F. Pettit. 2,581,201, Jan. 1.
Toy, Flying. D. W. Main. 2,615,281, Oct. 28.
Toy flying device. O. A. Coppens. 2,618,867, Nov. 25.
Toy for dental engines. C. J. Gardetto. 2,596,232, May 13.
Toy furniture, Sectional. R. H. McMurtrie. 2,582,553, Jan. 15.
Toy glider. J. C. Pemberton and D. B. Baldridge. 2,597,521, May 20.
Toy, Gravity illustrating. J. R. Bates. 2,603,885, July 22.
Toy, Gravity operated. C. E. Sidney. 2,618,895, Nov. 25.
Toy ground-controlled landing gear. D. J. Hydrick. 2,616,214, Nov. 4.
Toy gun. F. C. Beyers. 2,587,687, Mar. 4.
Toy gun. C. A. Davis. 2,616,409, Nov. 4.
Toy gun. T. M. Shelton. 2,614,551, Oct. 21.
Toy gun, Helix projecting. J. B. Tigrett. 2,618,885, Nov. 25.
Toy gun holster and package, Combination. A. F. Langos. 2,590,187, Mar. 25.
Toy gun, Repeater-type. G. Hane. 2,621,644, Dec. 16.
Toy gun, Repeating. J. K. Pope. 2,601,555, June 24.
Toy gun, Spring operated rapid-fire. C. A. Rock. 2,619,949, Dec. 2.
Toy, Gyroscopic. W. Perez. 2,588,040, Mar. 4.
Toy harmonica, Child's. P. A. La Grutta. 2,610,537, Sept. 16.
Toy helicopter. R. R. Carrington. 2,598,349, May 27.
Toy helicopter. H. L. Tom. 2,622,367, Dec. 23.
Toy hoisting truck. O. R. Brown. 2,589,333, Mar. 18.
Toy horse. J. L. Blair. 2,604,329, July 22.
Toy horse, Occupant propelled exercising. J. D. Jacobs. 2,584,879, Feb. 5.
Toy house. A. G. McNeill. 2,600,900, June 17.
Toy house marble game. R. A. Kitson. 2,613,937, Oct. 14.
Toy, Impact operated. P. M. Gutmann. 2,597,094, May 20.
Toy in the form of a pig, Wheeled sounding. W. V. Lichko. 2,583,658, Jan. 29.
Toy, Inflatable. C. E. Shute. 2,592,347, Apr. 8.
Toy, Jet. O. R. Dailey. 2,611,994, Sept. 30.
Toy, Jointed figure. G. H. Seligson. 2,615,283, Oct. 28.
Toy, Leaping figure. J. P. Gowland. 2,586,938, Feb. 26.
Toy locomotive. R. E. Goode, Jr. 2,595,936, May 6.
Toy logging truck and trailer. E. J. Dornath. 2,590,388, Mar. 25.
Toy, Magnetic. R. P. Kinney. 2,623,326, Dec. 30.
Toy, Material conveying. A. E. May, Jr. 2,618,376, Nov. 18.
Toy mechanical scoop. J. B. Lobb. 2,604,726, July 29.
Toy milch cow. B. Posner. 2,619,257, Nov. 25.
Toy mortar. P. Kopf. 2,600,116, June 10.
Toy motion-picture projector. W. Bouma. 2,605,674, Aug. 5.
Toy motive device, Fluid actuated. A. Rowley and B. E. Jones. 2,583,123, Jan. 22.
Toy motor. S. B. Bellaeff. 2,598,211, May 27.
Toy motorcycle with a dismounting and mounting cyclist. M. Ernst. 2,603,911, July 22.
Toy mouse, Magnetic. V. J. Marchese. 2,606,397, Aug. 12.
Toy, Movable reflecting. H. L. Bowditch. 2,614,363, Oct. 21.
Toy, Muffle-type. S. Newell and L. Fay. 2,609,640, Sept. 9.
Toy, Musical. P. A. Derham. 2,587,445, Feb. 26.
Toy, Musical dozing animal. F. Parisi. 2,620,594, Dec. 9.
Toy, Musical rhythm-producing. A. I. Brown. 2,616,218, Nov. 4.
Toy of the fluent material operative type. P. A. Williams. 2,589,757, Mar. 18.
Toy or display apparatus, Spinning. P. H. Jacobs. 2,592,286, Apr. 8.
Toy or miniature bed. C. T. Martin. 2,598,813, June 3.
Toy or model railroad, Electrically operated. E. Engelhardt. 2,588,710, Mar. 11.
Toy, Oscillating. A. Abplanalp. 2,622,366, Dec. 23.
Toy, Pegboard. H. L. Swirkal. 2,602,263, July 8.
Toy pistol. W. D. O'Quinn. 2,588,036, Mar. 4.
Toy, Pounding. J. W. Spence. 2,609,637, Sept. 9.
Toy projector. M. Sorkin. 2,616,332, Nov. 4.
Toy purse combination. L. M. Schradermeier. 2,591,379, Apr. 1.
Toy, Puzzle. J. J. Nolan, and C. J. Hoyenski. 2,617,654, Nov. 11.
Toy railroad. V. De Michele. 2,616,630, Nov. 4.
Toy railroad, Cabineted. N. C. H. Bradley. 2,590,676, Mar. 25.
Toy railroad dump car. J. L. Bonanno. 2,585,731, Feb. 12.
Toy railroad track. R. M. Husband. 2,584,388, Feb. 5.
Toy railway. O. R. Nemeth. 2,609,413, Sept. 2.
Toy rattle. Benjamin and Beatrice Gelardin. 2,618,893, Nov. 25.
Toy register bank. J. Farber. 2,601,951, July 1.
Toy register bank. J. Farber. 2,622,803, Dec. 23.
Toy register bank, Three coin. J. Farber. 2,601,952, July 1.
Toy, Remotely controlled mechanical walking. H. Sebel. 2,593,618, Apr. 22.
Toy repeating rubber band gun. O. W. Mikkelson, Jr. 2,610,619, Sept. 16.
Toy ring launching device. C. F. Hartman. 2,603,204, July 15.
Toy rocket bomb. W. R. Walsh. 2,588,184, Mar. 4.
Toy, Rocking figure. B. C. Reed. 2,583,061, Jan. 22.
Toy, Rollable sound-producing. E. B. Swebilius. 2,607,161, Aug. 19.
Toy, Roly-poly. F. P. Schur. 2,611,214, Sept. 23.
Toy, Rotary disk. H. E. Wood. 2,607,158, Aug. 19.
Toy roundabout. W. H. J. Downey. 2,595,061, Apr. 29.
Toy, Self-steering spring driven wheeled. M. Ernst. 2,603,913, July 22.
Toy ship, Remote controlled. F. R. Less. 2,589,268, Mar. 18.
Toy simulating a camera. A. J. Jackson. 2,602,265, July 8.
Toy simulating a galloping horse, Mechanical. L. S. Crosby. 2,593,991, Apr. 22.
Toy sky-writing airplane. W. E. Miller. 2,608,025, Aug. 26.
Toy, Sounding wheeled R. B. Witmyer. 2,593,511, Apr. 22.
Toy spectacle, Novelty. L. B. Brandvig. 2,598,107, May 27.
Toy, Spinning sounding. A. C. Madsen. 2,591,954, Apr. 8.
Toy, Spring driven tandem vehicle. R. J. Lohr. 2,607,163, Aug. 19.
Toy spring gun. H. J. Criner. 2,580,734, Jan. 1.
Toy, Spring operated. S. Wechsler. 2,594,527, Apr. 29.
Toy, Steerable mechanical walking. H. Sebel. 2,605,585, Aug. 5.
Toy, Striking. A. R. Mellor. 2,613,475, Oct. 14.
Toy string instrument, Miniature. A. T. Cristell. 2,593,990, Apr. 22.
Toy swinging crane. I. Landree. 2,590,188, Mar. 25.
Toy telephone. H. W. Bessell. 2,582,096, Jan. 8.
Toy telephone, Candy containing musical. T. H. Stough. 2,590,476, Mar. 25.
Toy theater stage. E. Scola. 2,620,591, Dec. 9.
Toy track system. E. Fields. 2,581,583, Jan. 8.
Toy trailer hitch. H. G. Preston. 2,602,266, July 8.
Toy train and track. M. S. Dunkelberger. 2,585,754, Feb. 12.
Toy train construction, Wooden. C. S. Olson and A. P. Bergstrand. 2,596,957, May 13.
Toy train, Magnetically coupled. J. I. Smith. 2,607,157, Aug. 19.
Toy, Twisted string. R. M. Wellner. 2,611,212, Sept. 23.
Toy vehicle. D. O. Druge and E. J. Mitchell. 2,601,930, July 1.
Toy vehicle wheel and axle. J. Manoil. 2,597,588, May 20.
Toy vehicle with simulated horn. H. L. Cox. 2,623,328, Dec. 30.
Toy vehicular system. J. M. Hoff. 2,618,888, Nov. 25.
Toy washing machine. G. W. Thelin. 2,615,280, Oct. 28.
Toy whale, Spouting. F. Garelick. 2,611,996, Sept. 30.
Toy wheel and making. M. D. Walklet. 2,600,033, June 10.
Toy, Wheeled. P. A. Derham. 2,590,515, Mar. 25.
Toy, Wheeled. L. D. Rodabaugh. 2,601,006, June 17.
Toy wheeled vehicle. A. Albisetti. 2,587,082, Feb. 26.
Toy, Whirling. A. M. Steiner. 2,595,990, May 6.
Toy, Whistling. H. K. Marcell. 2,608,795, Sept. 2.
Toy, Windmill. R. L. Walrath. 2,586,189, Feb. 19.
Toy with automatic door. R. N. Carver and R. J. Lohr. 2,590,508, Mar. 25.
Toy with food representing rattle elements, Figure. G. W. George. 2,602,264, July 8.
Toy with magnetically controlled response. F. I. Samet. 2,618,099, Nov. 18.
Toy with pivoted targets, Target type. G. F. Haiselup. 2,587,042, Feb. 26.
Toy with sound device, Wheeled. W. P. Doe, L. W. Sly, and H. G. Fisher. 2,617,231, Nov. 11.

Toy with windable head for rotation. S. H. Rosenthal. 2,595,888, May 6.
Toy, Worm simulating. C. F. Dawson. 2,596,216, May 13.
Tracer control mechanism, E. G. Roehm. 2,622,489, Dec. 23.
Tracer control valve. W. G. Hoelscher. 2,586,654, Feb. 19.
Tracer-guided reproducing machine. M. Turchan. 2,601,345, June 24.
Tracer valve mechanism with dashpot. R. R. Adams and R. D. Wortendyke. 2,620,823, Dec. 9.
Tracing characteristic curve of electronic tubes. H. M. Wagner. 2,616,058, Oct. 28.
Tracing device for the pirns of pirn winding machines. S. Furst. 2,622,809, Dec. 23.
Tracheotomy inhaler apparatus. G. W. Holt and W. G. Kubicek. 2,584,450, Feb. 5.
Track and guide construction. D. A. Stafford. 2,617,693, Nov. 11.
Track and hanger unit for doors. G. S. Minium. 2,600,670, June 17.
Track circuit apparatus. R. M. Gilson. 2,581,527, Jan. 8.
Track circuit apparatus using alternating current. C. Volz. 2,590,483, Mar. 25.
Track control unit. E. Fennessy, G. E. Roberts, and R. Calvert. 2,582,588, Jan. 15.
Track for sliding doors. J. H. Borden. 2,611,920, Sept. 30.
Track for vehicles, Self-laying. C. W. Leguillon. 2,592,916, Apr. 15.
Track frame mounting for crawler tractors. F. A. Schick. 2,588,328, Mar. 4.
Track-laying tractor. H. V. Tutton. 2,613,115–16, Oct. 7.
Track link. A. W. Phelps. 2,598,828, June 3.
Track link for crawler tractors. F. A. Schick. 2,621,981, Dec. 16.
Track locating device for toy trains. W. Henderson. 2,590,317, Mar. 25.
Track magnetizing wheel. A. E. Hall. 2,603,164, July 15.
Track pontoon. A. Gazda. 2,586,218, Feb. 19.
Track supporting means. C. Dahlberg. 2,599,615, June 10.
Traction assist appliance. J. H. Holmes. 2,599,634, June 10.
Traction cleat for use with vehicle tires, Removable. L. B. Brown. 2,603,268, July 15.
Traction cleat for vehicle tires, Removable. L. B. Brown. 2,621,699, Dec. 16.
Traction device. G. L. Bumbaugh. 2,612,202, Sept. 30.
Traction device. H. R. Cruse. 2,581,578, Jan. 8.
Traction device. O. F. Spevak. 2,598,851, June 3.
Traction device for motor vehicle wheels. W. Maxwell. 2,622,933, Dec. 23.
Traction device for track laying vehicles. R. C. Stewart. 2,599,592, June 10.
Traction device for vehicle tires. A. D. F. Gerds. 2,616,476, Nov. 4.
Traction device for vehicle wheels. C. G. Allen. 2,596,517, May 13.
Traction device for vehicle wheels. J. Broh. 2,614,601, Oct. 21.
Traction device for vehicle wheels. G. L. Bumbaugh. 2,607,389, Aug. 19.
Traction device for vehicle wheels. J. Jacobs. 2,586,049, Feb. 19.
Traction dynamometer. L. C. Sanders. 2,617,294, Nov. 11.
Traction motor control. E. J. Justus. 2,617,970, Nov. 11.
Traction splint. J. A. Erickson. 2,604,889, July 29.
Traction tread for tires. A. Wittmer. 2,605,807, Aug. 5.
Tractor. H. Lommel. 2,607,432, Aug. 19.
Tractor, Adjustable width. H. A. Anderson. 2,603,302, July 15.
Tractor and cultivator attachment. R. M. Burgess. 2,598,219, May 27.
Tractor attachment. K. A. Brown. 2,597,615, May 20.
Tractor attachment. E. E. Schatz and O. Ham. 2,612,345, Sept. 30.
Tractor attachment. J. E. Tom. 2,595,023, Apr. 29.
Tractor-borne implement. H. V. Hansen. 2,604,027, July 22.
Tractor cab, Safety. R. A. Kropp. 2,596,903, May 13.
Tractor coupling arrangement. G. Amey. 2,593,645, Apr. 22.
Tractor device, Manually propelled farm. A. Lesaunier. 2,607,613, Aug. 19.
Tractor-drawn combine. P. W. Morrissey. 2,607,179, Aug. 19.
Tractor drive and control mechanism. G. W. Curtis. 2,595,229, May 6.
Tractor drive for implements. M. D. Stewart. 2,608,259, Aug. 26.
Tractor, Farm. W. F. Strehlow. 2,580,481, Jan. 1.
Tractor, Farm. W. F. Strehlow, C. T. O'Harrow, and G. W. Park. 2,580,480, Jan. 1.
Tractor fifth wheel. W. D. Pyle and C. E. Kidwell. 2,619,359, Nov. 25.
Tractor for use in transportation of a load. H. F. Martin. 2,617,366, Nov. 11.
Tractor, Four-wheel drive. O. Stratman. 2,595,494, May 6.
Tractor frame structure. J. G. Lindeman. 2,604,176, July 22.
Tractor, Garden. E. E. Davis. 2,597,622, May 20.
Tractor, Garden. G. A. Hellman. 2,582,430, Jan. 15.
Tractor, Garden. G. A. Hull. 2,583,846, Jan. 29.
Tractor, Garden. O. W. Shelor. 2,607,277, Aug. 19.
Tractor having V-belt pulley control. G. W. Curtis. 2,582,966, Jan. 22.
Tractor hitch. A. Nielsen. 2,590,201, Mar. 25.
Tractor hitch. G. D. Null and C. E. Zepp. 2,610,863, Sept. 16.
Tractor hitch. R. Schumaier. 2,586,390, Feb. 19.
Tractor hitch. M. C. Siebels. 2,591,624, Apr. 1.
Tractor hitch. D. F. Steil. 2,590,218, Mar. 25.
Tractor hitch and drive means for portable concrete mixers. W. O. Frohring. 2,594,904, Apr. 29.
Tractor hitch for agricultural implements. R. L. Dugger. 2,580,532, Jan. 1.
Tractor hitch for farm machinery. C. J. Ciancio. 2,620,716, Dec. 9.
Tractor hoist. H. J. Hunsaker and D. C. McCullough. 2,591,435, Apr. 1.
Tractor hoist. D. K. Struthers and G. W. Schroeder. 2,591,662, Apr. 1.
Tractor implement. C. J. Rafferty. 2,603,138, July 15.
Tractor implement hitch. L. D. Lambson. 2,610,563, Sept. 16.
Tractor implement supporting cradle. J. A. Thierry. 2,593,500, Apr. 22.
Tractor jack. E. A. Arnold. 2,590,361, Mar. 25.
Tractor jack. D. Johnston. 2,620,198, Dec. 2.
Tractor lift control. F. J. Seifert. 2,618,167, Nov. 18.
Tractor lift disk harrow. W. E. Goble. 2,583,830, Jan. 29.
Tractor lug. G. L. L. Smith. 2,610,898, Sept. 16.
Tractor, Monorail. H. F. Martin. 2,608,163, Aug. 26.
Tractor mounted implement. W. H. Silver and W. V. Lohrman. 2,620,715, Dec. 9.
Tractor-mounted implement. W. G. Toland. 2,611,304, Sept. 23.
Tractor-mounted power loader. G. G. McNamara, Jr. 2,621,817, Dec. 16.
Tractor-mounted row marker control means. F. H. Ezzell. 2,608,147, Aug. 26.
Tractor mounted shovel loader. E. A. Dingley. 2,614,712, Oct. 21.
Tractor mounted sprayer. C. S. Morrison. 2,608,437, Aug. 26.
Tractor mounted vineyard plow, Automatic. P. M. Lund. 2,608,146, Aug. 26.
Tractor mower, Demountable. T. W. Paul. 2,608,042, Aug. 26.
Tractor mower, Dismountable. N. D. Colvin. 2,622,383, Dec. 23.
Tractor mowing attachment. G. W. Holmes. 2,590,537, Mar. 25.
Tractor power take-off. M. Cherek. 2,592,008, Apr. 8.
Tractor rear axle for crop clearance. W. H. Nordenson. 2,601,553, June 24.
Tractor rearing over preventer. E. B. Annis. 2,616,716, Nov. 4.
Tractor road scraping apparatus. C. Kinnan. 2,622,349, Dec. 23.
Tractor saw, Portable. O. C. Hines. 2,619,129, Nov. 25.
Tractor seat. V. M. Dobeus. 2,587,711, Mar. 4.
Tractor speed transmission. H. L. Block and L. G. Smith. 2,612,783, Oct. 7.
Tractor steering mechanism. C. A. Gustafson. 2,614,644, Oct. 21.
Tractor supported spraying rig. C. V. Carlson. 2,618,509, Nov. 18.
Tractor-trailer brake system. J. G. Ingres and E. G. Hill. 2,581,107, Jan. 1.
Tractor-trailer coupling mechanism. J. J. Madigan. 2,623,753, Dec. 30.
Tractor unit. J. A. Bombardier. 2,587,813, Mar. 4.
Tractor with interchangeable power tool, Garden. P. E. Yacoby. 2,614,473, Oct. 21.
Tractor with vibratory tool, Garden. R. P. Harshberger. 2,613,582, Oct. 14.
Traffic control system. M. Wallace. 2,623,208, Dec. 23.
Traffic control system. P. L. Zannettos. 2,604,525, July 22.
Traffic controlling apparatus, Railway. C. W. Fallor. 2,586,458, Feb. 19.
Traffic direction control for coded track circuit signaling systems. T. J. Judge. 2,617,014, Nov. 4.
Traffic gate. J. C. Stafford. 2,616,195, Nov. 4.
Traffic light accessory. E. G. Main. 2,588,739, Mar. 11.
Traffic protection apparatus. F. T. Fereday, Sr. 2,584,566, Feb. 5.
Traffic protection apparatus. H. S. Young. 2,591,035, Apr. 1.
Traffic sign projection device. A. F. Weber. 2,614,457, Oct. 21.
Traffic signal. H. B. Mueller. 2,616,388, Nov. 4.
Traffic signal and street light control system. J. O'D. Shepherd. 2,610,239, Sept. 9.
Traffic signal and the like, Portable. E. F. Swanson. 2,612,548, Sept. 30.

Traffic signal controller. A. Diebold. 2,609,434, Sept. 2.
Traffic signal device, Policeman's portable. J. G. Martin. 2,580,938, Jan. 1.
Traffic signal viewer. R. N. Falge and G. W. Onksen, Jr. 2,602,367, July 8.
Traffic viewing device. F. Balkin. 2,622,482, Dec. 23.
Trailer. G. Gilmore. 2,605,113, July 29.
Trailer and draft connection therefor, Side dumping. C. A. Gustafson. 2,603,531, July 15.
Trailer and pontoon boat, Combined. K. Bushfield. 2,588,084, Mar. 4.
Trailer, Automobile transporting. L. M. Francis. 2,583,734, Jan. 29.
Trailer, Bed ramp. W. E. Martin. 2,605,916, Aug. 5.
Trailer, Boat. J. R. Graves. 2,603,501, July 15.
Trailer brake operating link. D. P. Durham. 2,590,238, Mar. 25.
Trailer cabin, Extensible. J. La Fleur. 2,581,192, Jan. 1.
Trailer, Cargo. L. M. Francis. 2,611,640, Sept. 23.
Trailer caster. E. M. Nelson. 2,582,716, Jan. 15.
Trailer coupler. M. S. Voorhees. 2,583,191, Jan. 22.
Trailer dolly, House. E. C. Converse. 2,596,655, May 13.
Trailer, Dump. G. R. Fields and S. S. Bumpus. 2,610,087, Sept. 9.
Trailer dump body. V. Lundell. Re. 23,594, Dec. 9.
Trailer, Dumping. F. L. Clement and C. W. Watson. 2,605,134, July 29.
Trailer, Folding camp. W. F. Kipple. 2,582,635, Jan. 15.
Trailer for boats, Adjustable. A. D. Cole and F. J. Kowalewski. 2,594,540, Apr. 29.
Trailer for boats and the like. O. L. Cantrell. 2,610,865, Sept. 16.
Trailer for farm tractors. D. W. McMurtrie. 2,609,212, Sept. 2.
Trailer, Fork lift. A. E. Olson. 2,616,580, Nov. 4.
Trailer hitch. C. R. Bingham. 2,586,202, Feb. 19.
Trailer hitch. G. T. Huxford. 2,599,638, June 10.
Trailer hitch. C. T. Kingston. 2,604,331, July 22.
Trailer hitch. P. E. Van Horn. 2,614,861, Oct. 21.
Trailer hitch. J. J. Wiegman. 2,612,384, Sept. 30.
Trailer hitch, Antichafing. D. Vos. 2,609,214, Sept. 2.
Trailer hitch ball cover. C. L. Bishop. 2,618,489, Nov. 18.
Trailer hitch cover. F. L. Dunlap. 2,616,717, Nov. 4.
Trailer hitch, Detachable. R. K. Lowman. 2,622,892, Dec. 23.
Trailer hitch dolly. L. R. West and O. B. Sterett. 2,592,219, Apr. 8.
Trailer hitch, Foldable. W. E. Martin. 2,611,496, Sept. 23.
Trailer hitch with a detachable coupling means. R. W. Weber. 2,592,217, Apr. 8.
Trailer loader. A. G. Schramm. 2,609,953, Sept. 9.
Trailer, Multiple hopper. F. A. Jones. 2,620,226, Dec. 2.
Trailer platform stabilizing structure. G. L. Marvin. 2,595,474, May 6.
Trailer, Public utility service. J. A. Brady, Sr. 2,620,201, Dec. 2.
Trailer, Roller keel boat. E. F. Schroeder. 2,586,485, Feb. 19.
Trailer skirt. J. J. Fransen, Sr., and R. and W. Fransen. 2,618,493, Nov. 18.
Trailer stabilizing connection. S. K. Landis. 2,612,382, Sept. 30.
Trailer steering mechanism. R. J. Kelsey. 2,608,417, Aug. 26.
Trailer, Telescopic camping. C. R. Rogers. 2,581,556, Jan. 8.
Trailer tongue with lifting means. R. D. Tracey. 2,606,744, Aug. 12.
Trailer truck for hay and straw balers. C. H. Day. 2,605,915, Aug. 5.
Trailer, Two-deck. R. E. Ten Eyck. 2,589,894, Mar. 18.
Trailer vehicle with landing gear and tail gate elevator. W. G. Retzlaff. 2,601,170, June 17.
Train approach indicator. C. O. Jett and D. L. Wylie. 2,587,164, Feb. 26.
Train control. J. F. Key. 2,623,990, Dec. 30.
Train message delivery fork. E. G. Grams. 2,599,627, June 10.
Train weighing method. E. R. Marden. 2,621,035, Dec. 9.
Trainer demonstrator for set of space coordinates fixed to the earth. M. Kramer. 2,595,273, May 6.
Training backamore. F. S. Rudolph. 2,623,340, Dec. 30.
Trammel. J. W. Thein. 2,608,766, Sept. 2.
Trammel attachment for tape measures. C. Hilt and J. E. Butterworth. 2,581,858, Jan. 8.
Trammel type comparator with dial indicator. J. L. Paul. 2,622,332, Dec. 23.
Trampoline. B. J. Purviance and D. A. Smith. 2,600,572, June 17.
Transconductor employing field controlled semiconductor. O. M. Stuetzer. 2,612,567, Sept. 30.
Transconductor employing line type field controlled semiconductor. O. M. Stuetzer. 2,618,690, Nov. 18.
Transducer. L. M. Heineman. 2,611,830, Sept. 23.
Transducer. F. V. Hunt. 2,595,791, May 6.
Transducer. E. O. Johnson. 2,602,906, July 8.
Transducer. W. M. Webster, Jr. 2,602,862, July 8.
Transducer and device employing the same. L. D. Statham and G. E. White. 2,600,701, June 17.
Transducer and making the same. W. H. Janssen. 2,618,698, Nov. 18.
Transducer circuit with oscillator, Bridge-type. J. J. Z. van Zelst. 2,601,474, June 24.
Transducer construction and method. F. N. D. Kurie. 2,589,403, Mar. 18.
Transducer element and making same. G. N. Howatt. 2,614,144, Oct. 14.
Transducer stylus and holder. C. M. Chorpening and L. E. Hadlock. 2,601,988, July 1.
Transducer, Variable angle ultrasonic. W. E. Mesh. 2,602,101, July 1.
Transducing device having an electro-mechanically responsive dielectric element. H. Jaffe. 2,592,703, Apr. 15.
Transducing system. W. L. Bond. 2,602,327, July 8.
Transductor. J. W. Trindle. 2,603,768, July 15.
Transfer arrangement for overhead conveyer systems. W. Gibson. 2,580,758, Jan. 1.
Transfer conveyer system for article wrapping machines. J. W. Smith. 2,614,683, Oct. 21.
Transfer device. S. G. Blumensandt. 2,584,836, Feb. 5.
Transfer device. H. P. Curlee. 2,611,467, Sept. 23.
Transfer ink, Bleachable. H. J. Steiner. 2,589,306, Mar. 18.
Transfer iron. A. W. Mickel. 2,620,427, Dec. 2.
Transfer material. D. A. Newman. 2,603,508, July 15.
Transfer mechanism for articles. W. Pechy. 2,584,157, Feb. 5.
Transfer mechanism for counting apparatus. E. A. Ericsson and E. A. Wiberg. 2,623,607, Dec. 30.
Transfer molding of perfluorochlorocarbon plastic. L. C. Rubin. 2,617,152, Nov. 11.
Transfer molding press. G. B. Dayre. 2,612,658, Oct. 7.
Transfer molding press. T. F. Stacy. 2,601,341, June 24.
Transfer of heat to fluidized solids bed. H. J. Ogorzaly and W. A. Rex. 2,619,451, Nov. 25.
Transfer of materials. A. Crompton. 2,613,005, Oct. 7.
Transfer stamping machine. F. C., and S. A. Kingsland. 2,617,224, Nov. 11.
Transfer valve. R. E. Bletcher, C. H. Bentley, and I. A. Ward. 2,587,960–1, Mar. 4.
Transfer winding attachment for spinning machines. C. C. Sigmon. 2,597,537, May 20.
Transferrer arm for weft replenishing looms. F. J. Pusateri. 2,588,873, Mar. 11.
Transferring a film web from a roll to a reel of film developing means. H. Neuwirth. 2,594,980, Apr. 29.
Transferring liquid samples from pressure vessels. J. W. Wood. 2,613,848, Oct. 14.
Transferring machine for objects like bottles. F. E. Taylor. 2,608,308, Aug. 26.
Transferring, spacing, and selecting device for aligning workpieces. C. O. Merchant. 2,620,959, Dec. 9.
Transferring yarn and apparatus therefor. E. S. Balthrop, Jr. 2,585,424, Feb. 12.
Transformation of cereals, particularly barley, into malt, Method and apparatus for the. O. A. Skantze. 2,598,313, May 27.
Transformer. E. J. Mackereth. 2,604,519, July 22.
Transformer. L. W. Marks. 2,601,042, June 17.
Transformer. C. W. Thulin. 2,608,610, Aug. 26.
Transformer construction. J. G. Sola. 2,582,291, Jan. 15.
Transformer cores, Making. R. C. Sefton and J. J. Zimsky. 2,613,430, Oct. 14.
Transformer, High-frequency. R. Lee. 2,586,352, Feb. 19.
Transformer metadyne. J. M. Pestarini. 2,590,887, Apr. 1.
Transformer, Pulse type. Q. A. Kerns. 2,599,182, June 3.
Transformer, Saturable. W. J. Holt, Jr. 2,586,657, Feb. 19.
Transformer, Self-protected distribution. F. C. Roeding and G. M. Stein. 2,597,185, May 20.
Transformer terminal connector. R. B. Schoonmaker. 2,581,500, Jan. 8.
Transformerless saw-tooth current generator. R. R. Gannaway. 2,591,249, Apr. 1.
Transforming amplitude modulation into phase modulation, Method of and device for. A. Špaček. 2,588,302, Mar. 4.
Transient analyzer. A. C. Ruge. 2,582,851, Jan. 15.
Transilluminated plates, Making. J. F. Sullivan. 2,602,036, July 1.
Transistor circuit for pulse amplifier delay and the like. J. R. Harris. 2,622,213, Dec. 16.
Transistor counting system. T. L. Dimond. 2,584,990, Feb. 12.
Transistor pulse divider. J. T. Bangert. 2,595,208, Apr. 29.
Transistor ring counter. R. P. Moore, Jr., and E. Eberhard. 2,591,961, Apr. 8.
Transistor switching device. R. J. Kircher. 2,594,449, Apr. 29.
Transistor trigger circuits. R. L. Wallace, Jr. 2,620,448, Dec. 2.
Transit. E. L. Callahan. 2,596,468, May 13.
Transit concrete mixer. J. R. Castendyck. 2,618,472, Nov. 18.
Translating and selecting system. T. L. Dimond. 2,614,175, Oct. 14.
Translating apparatus. E. T. Oliver. 2,618,984, Nov. 25.
Translating apparatus and follow-up system. R. Adler 2,583,535, Jan. 29.

Translating apparatus for electric signal pulse combinations. O. Moser. 2,612,556, Sept. 30.
Translating circuits utilizing glow discharge devices. M. A. Townsend. 2,607,891, Aug. 19.
Translating device. Semiconductor. J. B. Little. 2,606,960, Aug. 12.
Translating device for recording machines. A. B. Crowell. 2,598,511, May 27.
Translucent metallic enamel and making it. R. E. Pike. 2,604,414, July 22.
Transmission. R. A. Beckwith. 2,582,220, Jan. 15.
Transmission. R. T. Burnett. 2,598,501, May 27.
Transmission. R. T. Burnett. 2,609,708, Sept. 9.
Transmission. R. T. Burnett. 2,616,308, Nov. 4.
Transmission. A. Y. Dodge. 2,591,342, Apr. 1.
Transmission. J. B. Dyer. 2,606,452, Aug. 12.
Transmission. E. E. Eaton and F. M. Hogue. 2,602,346, July 8.
Transmission. G. E. Flinn. 2,620,667, Dec. 9.
Transmission. D. W. Kelbel. 2,582,487, Jan. 15.
Transmission. D. W. Kelbel. 2,584,468–9, Feb. 5.
Transmission. D. W. Kelbel. 2,593,568, Apr. 22.
Transmission. D. W. Kelbel. 2,598,179, May 27.
Transmission. D. W. Kelbel. 2,599,559, June 10.
Transmission. D. W. Kelbel. 2,605,652, Aug. 5.
Transmission. D. W. Kelbel. 2,615,351, Oct. 28.
Transmission. R. Lapsley. 2,584,032, Jan. 29.
Transmission. R. Lapsley. 2,596,699-700, May 13.
Transmission. R. Lapsley. 2,608,885, Sept. 2.
Transmission. R. Lapsley. 2,616,311, Nov. 4.
Transmission. F. R. McFarland. 2,584,965, Feb. 5.
Transmission. F. R. McFarland. 2,595,969, May 6.
Transmission. F. R. McFarland. 2,620,684, Dec. 9.
Transmission. R. J. Miller, C. H. Garmager and G. E. Whelpley. 2,612,791, Oct. 7.
Transmission. E. G. Reed, Jr. 2,593,184, Apr. 15.
Transmission. J. P. Rogers. 2,609,702, Sept. 9.
Transmission. R. C. Russell. 2,616,309, Nov. 4.
Transmission. L. A. Schott. 2,593,804, Apr. 22.
Transmission. W. P. Schnitter. 2,612,786, Oct. 7.
Transmission. J. M. Simpson and D. W. Kelbel. 2,615,346, Oct. 28.
Transmission. R. L. Smirl. 2,620,685, Dec. 9.
Transmission. B. A. Swennes. 2,592,210, Apr. 8.
Transmission. C. L. Swift. 2,590,280, Mar. 25.
Transmission. J. F. Swift. 2,603,984, July 22.
Transmission. H. E. Violet. 2,592,982, Apr. 15.
Transmission and clutch mechanism. S. F. Gorske and C. P. Pepper. 2,622,450, Dec. 23.
Transmission and clutch system. E. D. Wilkin. 2,608,102, Aug. 26.
Transmission and control mechanism therefor. H. E. Carnagua. 2,619,848, Dec. 2.
Transmission and control mechanism therefor. D. W. Kelbel. 2,597,245, May 20.
Transmission and controls therefor. H. W. Glifillan. 2,613,773, Oct. 14.
Transmission and one-way clutch therefor. K. A. Browne. 2,596,367, May 13.
Transmission apparatus. L. J. Barbara, M. M. Klein, and B. Howard. 2,603,425, July 15.
Transmission belt, Endless. A. S. Brown and G. E. Sedgley. 2,597,284, May 20.
Transmission belt mold. R. J. Gorecki. 2,602,188, July 8.
Transmission control. G. E. Flinn. 2,608,880, Sept. 2.
Transmission control. O. W. Schotz. 2,621,533, Dec. 16.
Transmission control apparatus. L. B. Forman. 2,603,037, July 15.
Transmission control, Dual. C. Young. 2,582,895, Jan. 15.
Transmission control, Preselective. G. T. Randol. 2,581,291, Jan. 1.
Transmission control switch. T. M. Ball. 2,599,425, June 3.
Transmission-differential assembly. W. Hesch, Sr. 2,609,703, Sept. 9.
Transmission dynamometer. C. R. Moore. 2,582,145, Jan. 8.
Transmission dynamometer. C. R. Moore. 2,616,290, Nov. 4.
Transmission for fishing reels. A. G. Mies and T. S. Pflueger. 2,615,352, Oct. 28.
Transmission for well-drilling machinery. C. M. O'Leary. 2,589,119, Mar. 11.
Transmission gearing. L. F. R. Fell and R. J. W. Cousins. 2,610,526, Sept. 16.
Transmission gearing for power plants. F. C. I. Marchant. 2,609,707, Sept. 9.
Transmission line. M. C. Pease. 2,594,983, Apr. 29.
Transmission line, Compact artificial. N. E. Lindenblad. 2,606,968, Aug. 12.
Transmission line coupling. C. W. Hansell. 2,588,832, Mar. 11.
Transmission line network. L. J. Wolf. 2,600,949, June 17.
Transmission line support. T. N. Cofer and A. J. Borchers. 2,606,952, Aug. 12.
Transmission line transition. R. W. Cornes. 2,623,946, Dec. 30.
Transmission mechanism. G. H. J. Baule. 2,595,628, May 6.
Transmission mechanism. R. P. Clifton. 2,618,174, Nov. 18.
Transmission mechanism. A. F. Hayek. 2,622,455, Dec. 23.
Transmission mechanism. K. K. Probst. 2,588,161, Mar. 4.
Transmission mechanism, Variable-speed. A. Arato. 2,595,439, May 6.
Transmission network for emphasizing the high-frequencies of applied oscillations. G. Hepp. 2,591,936, Apr. 8.
Transmission of signals between two objects moving relative to each other. E. Vogt and W. G. Heilpern. 2,620,435, Dec. 2.
Transmission operating mechanism. R. H. Long. 2,616,304, Nov. 4.
Transmission operating mechanism. R. H. Long and E. E. Prather. 2,593,581, Apr. 22.
Transmission operating mechanism. E. R. Price. 2,587,892, Mar. 4.
Transmission operating mechanism. E. R. Price. 2,593,604–5. Apr. 22.
Transmission operating mechanism. E. R. Price. 2,616,538, Nov. 4.
Transmission operating mechanism. H. W. Price. 2,601,629, June 24.
Transmission operating mechanism. T. H. Thomas, E. R. Price and R. H. Long. 2,589,643, Mar. 18.
Transmission system. H. C. Wendt. 2,621,314, Dec. 9.
Transmission tower. J. Andrews. 2,605,417, July 29.
Transmission unit. J. B. Boyett, Sr. 2,596,643, May 13.
Transmission unit with feed-back to vary the gear ratio, Power. J. T. Welsh. 2,604,798, July 29.
Transmission vibration dampener. W. B. Herndon and A. Hardy. 2,623,409, Dec. 30.
Transmit-receive box system, Prefired. B. B. Cork. 2,594,732, Apr. 29.
Transmit receive device. R. H. Dicke. 2,606,248, Aug. 5.
Transmitter and recorder with automatic sheet mounting, Facsimile. R. J. Wise and G. H. Ridings. 2,584,775, Feb. 5.
Transmitter, Azimuth. A. C. Reid. 2,586,259, Feb. 19.
Transmitter control device. P. G. J. M. Audemar. 2,605,711, Aug. 5.
Transmitter, Electrical impulse. W. T. Weidenman. 2,613,552, Oct. 14.
Transmitter, Flexible spring. F. D. Hanson, H. R. Parker, and L. L. Wagener. 2,599,760, June 10.
Transmitter, Fluid operated power. W. Jastrzebski. 2,593,457, Apr. 22.
Transmitter for guided aircraft controls. P. W. Nosker. 2,616,031, Oct. 28.
Transmitter, Frequency stabilized. L. W. Parker. 2,604,585, July 22.
Transmitter, High-frequency amplitude modulated. G. C. Sziklai. 2,593,395, Apr. 15.
Transmitter, Hydraulic. P. E. Thomas. 2,622,398, Dec. 23.
Transmitter keyer. L. R. Kahn and W. Lyons. 2,600,248, June 10.
Transmitter, Pneumatic telemetering. W. J. Hughes. 2,584,455, Feb. 5.
Transmitter, Position. J. L. King. 2,620,391, Dec. 2.
Transmitter, Signal. E. Vroom. 2,614,168, Oct. 14.
Transmitter, Subscription type television. A. Ellett. 2,601,505, June 24.
Transmitter, Telegraph keyboard. W. J. Zenner. 2,607,848, Aug. 19.
Transmitter, Telemetric. S. L. Adelson. 2,623,112, Dec. 23.
Transmitter, Telephone. H. W. Bryant. 2,607,859, Aug. 19.
Transmitter, Variable impulse. H. L. Coyne. 2,597,570, May 20.
Transmitter with rotating antenna, Radio pulse. J. K. McKendry. 2,594,965, Apr. 29.
Transmitting and receiving apparatus for electromagnetic prospecting. W. M. Barret. 2,585,907, Feb. 19.
Transmitting and receiving circuits for inductive carrier communication systems. K. E. Doriot. 2,596,013, May 6.
Transmitting intelligence by radio waves, Method and apparatus for. W. W. Cargill, Jr. 2,588,380, Mar. 11.
Transmitting or receiving aerial for centimeter wave lengths. J. Collard. 2,583,766, Jan. 29.
Transonic wind tunnel. W. W. Beman and J. H. Weaver. 2,582,814, Jan. 15.
Transparency holder attachment for photographic enlargers. O. Denny, Sr. 2,589,680, Mar. 18.
Transparency holder for lantern slide projectors. A. Simmon. 2,619,007, Nov. 25.
Transparency inserting and positioning device. W. P. Ewald. 2,596,667, May 13.
Transparency projection slide. E. T. Boaden and J. L. Simpson. 2,587,434, Feb. 26.
Transparent conducting films. W. O. Lytle. 2,583,000, Jan. 22.
Transparent electroconductive article and producing the same. R. F. Raymond and B. J. Dennison. 2,592,601, Apr. 15.
Transparent, flame-resistant polystyrene. H. S. Olson and R. C. Danison. 2,582,452, Jan. 15.
Transparent mounting sheath for snapshots. H. S. Horn. 2,610,421, Sept. 16.
Transparent sheet protector. G. W. Amberg. 2,592,373, Apr. 8.

Transparent tear bar and indicator. H. A. Hicks and W. W. Landsiedel. 2,616,365, Nov. 4.
Transparent traylike structure. F. D. Bergstein. 2,593,834, Apr. 22.
Transparent vacuum back. M. A. Thralls. 2,584,401, Feb. 5.
Transparent watch protector. G. Belfert. 2,582,473, Jan. 15.
Transparentizing compositions and process. R. R. Parmentier. 2,610,815, Nov. 4.
Transparentizing to obtain patterned cotton textiles employing resists of pigment containing aqueous oleaginous emulsions. H. Ginzel. 2,611,678, Sept. 23.
Transplanter. H. Knorr, Jr. 2,597,936, May 27.
Transplanter attachment. J. C. Griffin. 2,584,012, Jan. 29.
Transplanting device. W. B. Benison. 2,599,087, June 3.
Transplanting machine. A. G. and E. T. J. Tapp. 2,609,767, Sept. 9.
Transpondor system. C. J. Hirsch. 2,589,808, Mar. 18.
Transport. R. L. Cope. 2,599,612, June 10.
Transport apparatus for tandem-harrows. J. M. Chambers. 2,620,610, Dec. 9.
Transport coffin and casket, Combination. N. L. Etten and J. M. Beach. 2,611,946, Sept. 30.
Transport lift. F. F. Sutherland and A. B. Storey. 2,609,954, Sept. 9.
Transport truck arrangement for hospital beds. C. G. Menzies. 2,599,717, June 10.
Transportable lifting device. N. E. Nilsson. 2,588,749, Mar. 11.
Transportation assembly. C. E. Mittell. 2,589,842, Mar. 18.
Transportation container. L. F. Urbain. 2,601,184, June 17.
Transportation of granular solids. R. Kollgaard. 2,607,635, Aug. 19.
Transportation system. K. C. Gaynor. 2,605,007, July 29.
Transportation unit construction. W. E. Rosenbaum. 2,620,079, Dec. 2.
Transportation vehicle. L. M. Page. 2,586,857, Feb. 26.
Transporting and/or storing of goods and the like. J. M. and G. K. Harkness. 2,600,869, June 17.
Transporting and storing frozen comestibles, Method and apparatus. L. L. Westling. 2,586,893, Feb. 26.
Transporting equipment. G. R. Dempster. Re. 23,546, Sept. 9.
Transporting equipment for vehicles, G. R. Dempster. 2,606,676, Aug. 12.
Transposable window fan assembly. J. W. Kisling. 2,619,023, Nov. 25.
Trans-quinitol/succinic acid polyesters, Production of. J. W. Fisher and J. Lincoln. 2,621,167, Dec. 9.
Trans-3-pentenoic acid, Producing. A. M. Hyson. 2,586,341, Feb. 19.
Transverse equalizing device. W. W. Sloane. 2,606,506, Aug. 12.
Transverse sliding breech bolt lock. D. V. Schnepel. 2,594,354, Apr. 29.
Transversely divided, plural-section demountable wheel-rim. J. W. Mynssen. 2,611,654, Sept. 23.
Transversely movable piston type clutch. K. E. Lyman. 2,620,053, Dec. 2.

Trap: *See*—

Animal trap.
Animal tunnel trap.
Backfire trap.
Catamenial trap.
Crab trap.
Drain trap.
Drone trap.
Fishing trap.
Gopher trap.
Grease trap.
Hand trap.
Insect trap.
Milking machine trap.
Minnow trap.
Mole trap.
Mouse and rat trap.
Rapid developer trap.
Rat or mouse trap.
Rodent trap.
Rodent and animal trap.
Sediment trap.
Self-setting rodent trap.
Steam trap.
Two-way liquid seal trap.
Vermin trap.

Trap. R. E. Pierce. 2,585,833, Feb. 12.
Trap. W. W. Vander Clute. 2,584,643, Feb. 5.
Trap and escutcheon. C. E. Johnson. 2,615,527, Oct. 28.
Trap and exterminator, Rodent. F. E. Posey. 2,584,498, Feb. 5.
Trap and reactivator, Electric animal. A. G. Burns. 2,599,541, June 10.
Trap chain ring. S. E. Shilts. 2,612,720, Oct.7.
Trap for compressed gas systems. A. E. Schmidlin. 2,585,045, Feb. 12.
Trap for intravenous injection apparatus. C. R. Bauer. 2,597,699, May 20.
Trap for rats, mice, and the like. L. R. Edwards. 2,595,130, Apr. 29.
Trap for rats and other rodents. G. Lundquist. 2,611,990, Sept. 30.
Trap for rocket propellent. C. N. Hickman. 2,605,607, Aug. 5.
Trap for sewer catch basins. C. W. Lundy, Sr. 2,586,967, Feb. 26.
Trap for steam-circulating systems, Steam-lifting. F. S. Morton. 2,596,587, May 13.
Trap for toilet bowls. W. B. Cramer. 2,616,094, Nov. 4.
Trap for water supply to clothes-washing machines. F. A. Rosenkrans and W. M. Sale. 2,619,825, Dec. 2.
Trap switch. A. W. Fruh. 2,607,866, Aug. 19.
Trap tank. E. H. L. Johannes. 2,600,299, June 10.
Traveler. G. A. Petersen. 2,590,645, Mar. 25.
Traveling block, adapter, and hook, Combined. J. D. Bennett. 2,622,846, Dec. 23.
Traveling case cover. I. J. Meyers. 2,617,504, Nov. 11.
Traveling case for toilet articles. F. Kibler. 2,623,566, Dec. 30.
Traveling coil lifting gear. R. G. Russell. 2,595,707, May 6.
Traveling equipment for babies. E. A. Irvine. 2,601,885, July 1.
Traveling grate stoker. D. J. Mosshart. 2,615,406, Oct. 28.
Traveling iron. L. H. Thomas and F. W. Kuhn. 2,592,489, Apr. 8.
Traveling mesh cluster picker, leaf and stem separator. F. F. Dauenhauer. 2,587,604, Mar. 4.
Traveling wave amplifier tube. R. Wallauschek. 2,611,101, Sept. 16.
Traveling-wave electron reaction device. E. J. Gorn. 2,591,350, Apr. 1.
Traveling wave tube. P. G. Bohlke. 2,611,102, Sept. 16.
Traveling wave tube. R. W. Landauer. 2,584,597, Feb. 5.
Traveling wave tube. A. Lerbs. 2,600,509, June 17.
Traverse curtain support and pulley housing. R. E. Bell. 2,590,370, Mar. 25.
Traverse guide. R. H. Carter and C. B. Kingsbury. 2,620,999, Dec. 9.
Traverse mechanism. G. B. Calvi. 2,602,607, July 8.
Traverse mechanism of spinning machines. F. E. Smallshaw. 2,584,237, Feb. 5.
Traversing hoist. C. R. Smith. 2,591,974, Apr. 8.
Traversing mechanism for mortars. D. M. Lontz. 2,599,565, June 10.
Trawlnet. C. J. Bottemanne. 2,608,782, Sept. 2.
Trawl net towing and hauling equipment. F. A. Ray. 2,592,331, Apr. 8.
Trawling net and apparatus for use therewith. A. Slater. 2,619,754, Dec. 2.
Tray. S. Bloomfield. 2,605,929, Aug. 5.
Tray. R. D. Hansen. 2,602,310, July 8.
Tray and dolly, Combined. J. H. Morris, Jr. 2,607,205, Aug. 19.
Tray and ice cube storage and dispensing device, Combination drip. L. H. Hinkel. 2,595,456, May 6.
Tray and receptacle-supporting device, Combined automobile. J. A. Wagstaff. 2,584,646, Feb. 5.
Tray, Annealing. P. S. Menough. 2,601,980, July 1.
Tray attachment. R. D. Hansen. 2,602,311, July 8.
Tray attachment for motor vehicle instrument panels. A. Merhige and V. J. Luke. 2,621,093, Dec. 9.
Tray attachment for tables. A. Sloan. 2,580,855, Jan. 1.
Tray binder. O. E. Nabholz. 2,582,058, Jan. 8.
Tray, Bobby pin. B. H. Locke. 2,581,592, Jan. 8.
Tray, Book. F. M. Simancik. 2,590,732, Mar. 25.
Tray, Child's feeding. N. J. Mercer. 2,614,407, Oct. 21.
Tray cover. E. L. Smith. 2,585,180, Feb. 12.
Tray, Dental. E. H. Getz. 2,583,170, Jan. 22.
Tray, Dental. R. A. Roeser. 2,619,725, Dec. 2.
Tray, Dental. H. W. Stark. 2,587,782, Mar. 4.
Tray, Dental impression. W. A. May. 2,598,927, June 3.
Tray, Dental impression. F. C. Wentzel. 2,594,832, Apr. 29.
Tray, Dental mold. F. W. Baum. 2,611,959, Sept. 30.
Tray, Extensible. E. S. Harmon. 2,620,082, Dec. 2.
Tray filter. R. J. Koupal. 2,620,927, Dec. 9.
Tray, Flexible ice. F. S. Jahn, J. A. Carmien, and J. E. Mullings. 2,587,852, Mar. 4.
Tray for automobile glove compartments, Folding service. M. W. Henderson. 2,592,032, Apr. 8.
Tray for automobile instrument panels, Folding. O. R. Huddleston. 2,597,330, May 20.
Tray for conveyer oven. J. L. Mahoney, C. J. Rundquist, and C. R. Skarin. 2,608,287, Aug. 26.
Tray for fractionating equipment. A. C. Eld. 2,591,343, Apr. 1.
Tray for motor vehicles, Adjustably secured. W. E. Cuthbertson. 2,584,557, Feb. 5.
Tray for scrub pails, Accessory. J. Kaiser, Jr. 2,594,176, Apr. 22.
Tray for use in refining towers. H. C. Glitsch. 2,582,826, Jan. 15.
Tray for use in refining towers. H. C. Glitsch. 2,611,596, Sept. 23.
Tray for vehicle instrument panels, Adjustable. C. H. Nesbitt and L. H. Ray, Jr. 2,616,775, Nov. 4.
Tray, Freezing. R. S. Boyle. 2,584,838, Feb. 5.
Tray, Freezing. E. H. Roberts. 2,622,410, Dec. 23.
Tray, Freezing. F. W. Sampson. 2,615,310, Oct. 28.
Tray holder for automobiles. W. D. Finger. 2,584,006, Jan. 29.
Tray holder for card tables. J. J. Jackson. 2,614,782, Oct. 21.
Tray, Ice. J. H. Roethel. 2,614,399, Oct. 21.
Tray, Ice cube. R. L. Collier. 2,594,127, Apr. 22.
Tray or carton, Collapsible. K. T. Buttery. 2,621,783, Dec. 16.
Tray or carton, Collapsible lined. K. T. Buttery. 2,617,579, Nov. 11.

Tray or holder, Partitioned. K. T. Buttery. 2,596,205, May 13.
Tray, Packaging. N. J. Watson and J. C. Roche. 2,584,967, Feb. 5.
Tray, Paint dispensing. P. L. Hexter. 2,599,830, June 10.
Tray, Pallet load divider. P. A. Nemoede. 2,620,117, Dec. 2.
Tray, Safety cigarette. B. T. Wall. 2,597,413, May 20.
Tray, Serving and utility. J. R. Eberhardt. 2,597,460, May 20.
Tray or similar article. R. L. Gruen. Re. 23,573, Nov. 11.
Tray, Soap. L. J. Giossi. 2,596,675, May 13.
Tray support and price sign holder, Meat. R. Maniscalco. 2,607,496, Aug. 19.
Tray, Wet clothes. L. Rodefer. 2,591,467, Apr. 1.
Tray with illuminating means, Bed. W. E. Janssen. 2,617,917, Nov. 11.
Tread centering mechanism for tire molds. E. A. Glynn. 2,593,137, Apr. 15.
Treads, Method and apparatus for manufacture of non-skid tire. D. E. Crooker. 2,619,678, Dec. 2.
Treadle controlled counting system. J. L. Barker and E. H. Eames. 2,603,419, July 15.
Treadle mechanism for operating valves or the like. F. H. Richterkessing. 2,600,326, June 10.
Treadle operated gate. J. W. Swift. 2,594,515, Apr. 29.
Treated fur fibers. G. M. Rickus and S. G. Hoffman. 2,581,296, Jan. 1.
Treating a food plant product. J. De Ment, G. Lamont, and J. Polly. 2,583,686, Jan. 29.
Treating aluminum and aluminum alloys, Method and composition for. F. H. Hesch. 2,593,447, Apr. 22.
Treating aluminum and aluminum alloys, Method and composition for. F. H. Hesch. 2,593,448, Apr. 22.
Treating aluminum and aluminum alloys, Method and composition for. F. H. Hesch. 2,593,449, Apr. 22.
Treating animal bones. D. Torr. 2,622,027, Dec. 16.
Treating arsenical gold ores. J. B. McKay and J. V. Thompson. 2,596,580, May 13.
Treating articles with jets of fluid, Method and apparatus for. J. E. Socke. 2,605,091, July 29.
Treating brick during construction. H. M. Holmes. 2,603,574, July 15.
Treating bundled tobacco, Method and apparatus for. E. R. Coley. 2,597,620, May 20.
Treating cellulosic materials. N. Drisch and A. Petiton. 2,597,624, May 20.
Treating coffee. W. J. Hale. 2,607,689, Aug. 19.
Treating cold rolled straight chrome type stainless steel. J. C. Klentz, Jr. 2,605,775, Aug. 5.
Treating core samples. J. D. Wisenbaker. 2,617,296, Nov. 11.
Treating cotton cord. M. W. Wilson and E. T. Lessig. 2,606,844, Aug. 12.
Treating crude oil emulsions from oil wells, Method and apparatus for. R. W. Erwin. 2,601,903-4, July 1.
Treating dried fruit. C. J. Fusco. 2,622,033, Dec. 16.
Treating egg whites. A. M. Kaplan and M. Solowey. 2,593,462, Apr. 22.
Treating fabric. F. R. Redman. 2,597,530, May 20.
Treating fabric garments during the pressing operation, Method and apparatus for. L. B. Edwards. 2,606,377, Aug. 12.
Treating fatty material. C. van Loon, E. Smit and W. V. R. van Alkemade. 2,588,435, Mar. 11.
Treating ferrous metals with aluminum. G. E. McKinney and P. J. Motter. 2,609,289, Sept. 2.
Treating fibrous or cellulosic material, Method of and machine for. P. N. Ottersland, N. Rigabar and E. S. Lansing. 2,592,594, Apr. 15.
Treating fish. J. Ryan. 2,589,288, Mar. 18.
Treating fish and resulting product. J. Ryan and W. C. Wilson. 2,589,287, Mar. 18.
Treating fish press fluids. D. B. Vincent. 2,595,180, Apr. 29.
Treating fluid materials, Method and apparatus for. M. Cornell. 2,584,424, Feb. 5.
Treating foodstuffs. P. L. Spencer. 2,605,383, July 29.
Treating gases, Method and apparatus for. H. F. Johnstone and A. W. Anthony, Jr. 2,604,185, July 22.
Treating gases, Method of and apparatus for. W. W. Paget. 2,588,656, Mar. 11.
Treating gluten-bearing starchy material. L. M. Christensen. 2,583,684, Jan. 29.
Treating grain fruit, especially bread grain. K. and W. Dienst. 2,614,935, Oct. 21.
Treating hides and skins with liquid, Method of and machine for. M. Maeser. 2,590,194, Mar. 25.
Treating hides, Process and apparatus for. W. O. Kline. 2,597,485, Feb. 26.
Treating hydrocarbon oils, Method and apparatus for. R. P. Trainer and L. E. Border. 2,595,909, May 6.
Treating hydrocarbons with alkali metal hydroxides. L. Rosenstein. 2,596,175, May 13.
Treating legumes. A. J. Moldenhauer. 2,588,865, Mar. 11.
Treating liquid egg material. L. B. Jensen and W. R. Hess. 2,593,308, Apr. 15.
Treating liquids with activated carbon. W. A. Helbig. 2,620,926, Dec. 9.
Treating lithographic plates. W. H. Wood. 2,589,313, Mar. 18.
Treating lubricating distillates. C. W. Stratford. 2,585,874, Feb. 12.
Treating metatitanic acid. M. J. Mayer. 2,622,010–13, Dec. 16.
Treating mica. G. de Senarclens. 2,614,055, Oct. 14.
Treating nylon. L. L. Stott and L. R. B. Hervey. 2,592,616, Apr. 15.
Treating oil. B. H. Thurman. 2,621,191, Dec. 9.
Treating oil well streams, Method of and apparatus for. J. P. Walker and C. O. Glasgow. 2,614,649, Oct. 21.
Treating oil with sulfur trioxide. F. M. Archibald. 2,581,064, Jan. 1.
Treating organic non-calcareous animal products. D. Torr. 2,622,029, Dec. 16.
Treating organopolysilanes. D. Mohler and J. E. Sellers. 2,598,435, May 27.
Treating petroleum emulsions. R. W. Todd and F. E. Fuchs. 2,597,204, May 20.
Treating potable distilled spirits. C. J. Wilken. 2,586,133, Feb. 19.
Treating proteins with saturated aliphatic polyamines and resulting product. E. D. Cornwell and S. Dobija. 2,597,228, May 20.
Treating rice bran and rice polish. M. M. Cassidy and H. L. B. Nawry. 2,610,914, Sept. 16.
Treating selvage edges of textile sheet material. F. A. Sunderhauf. 2,591,385, Apr. 1.
Treating sewage. H. O. Halvorson. 2,590,964, Apr. 1.
Treating sheet material coated with gelatine. J. Dungler. 2,590,850, Apr. 1.
Treating shrimp. K. C. Envoldsen. 2,600,627, June 17.
Treating shrimp. K. C. Envoldsen. 2,622,270, Dec. 23.
Treating soil. B. B. Elliott and G. S. Allin. 2,602,388, July 8.
Treating soil for preemergent control of weeds. A. E. Hitchcock and P. W. Zimmerman. 2,622,976, Dec. 23.
Treating synthetic yarns. M. J. A. Valentin. 2,585,518, Feb. 12.
Treating tall oil with alkylene oxides. V. Esposito. 2,610,966, Sept. 16.
Treating textile fabrics to prevent unraveling at cut edges thereof. T. H. Miller. 2,597,888, May 27.
Treating textile materials. F. R. Redman. 2,597,529, May 20.
Treating the electrolyte in the electrodeposition of iron. E. H. Konrad and W. H. Kaye. 2,580,681, Jan. 1.
Treating tidal lands subjected to sewage. R. E. Cornish. 2,580,409, Jan. 1.
Treating tin plate. R. A. Neish. 2,606,866, Aug. 12.
Treating tomato juice. R. A. Havens, B. E. Orr, P. R. Pitts, Jr., and R. W. Cunningham. 2,598,374, May 27.
Treating tubular textile fabric. S. Cohn, J. G. Walter and E. Cohn. 2,589,345, Mar. 18.
Treating tubular textile fabrics, Method of and apparatus for. S. Cohn, J. G. Walter and E. Cohn. 2,589,344, Mar. 18.
Treating vulcanizable rubber surfaces. C. R. Martens. 2,622,044, Dec. 16.
Treating waste liquor from paper. P. Paren. 2,582,792, Jan. 15.
Treating wells, Method and composition for. E. B. Hall, E. F. Snyder, and C. S. Seybold, Jr. 2,580,765, Jan. 1.
Treating wells, Method and composition for. E. F. Snyder and C. S. Seybold, Jr. 2,602,778, July 8.
Treating whale gluewater. W. C. Davis. 2,598,038, May 27.
Treating windings with completely-reactive compositions. W. M. Trigg. 2,594,096, Apr. 22.
Treating yellowish or off-white materials to obtain a white appearance using umbelliferone or methyl umbelliferone. H. Meyer. 2,590,485, Mar. 25.
Treating zinc oxides. J. H. Calbeck. Re. 23,475, Apr. 8.
Treatment chambers for ligno-cellulose material and the like. H. S. Messing. 2,623,820, Dec. 30.
Treatment of a metallic cathode to receive electrodeposited metal. H. R. Wilson. 2,583,100, Jan. 22.
Treatment of aerogels to render them waterproof. S. S. Kistler. 2,589,705, Mar. 18.
Treatment of aqueous well-drilling fluids. R. W. Hoeppel. 2,605,221, July 29.
Treatment of carbohydrate-containing liquids for removal of alkaline earth compounds. G. T. Reich. 2,596,599, May 13.
Treatment of carbonaceous solids. G. D. Creelman. 2,606,145, Aug. 5.
Treatment of carbonaceous solids. C. E. Hemminger. 2,610,944, Sept. 16.
Treatment of cellulose esters. M. E. Martin and L. G. Reed. 2,597,156, May 20.
Treatment of cement raw slurry. T. Heilmann. 2,587,044, Feb. 26.
Treatment of cotton seed and the like. R. B. Streets. 2,618,103, Nov. 18.
Treatment of cracked naphthas with a hypochlorite followed by an alkali sulfide. R. M. Love. 2,581,117, Jan. 1.
Treatment of cream and milk. C. A. S. Thorstensson-Rydberg. 2,617,732, Nov. 11.
Treatment of drilling fluids. T. B. Wayne. 2,602,777, July 8.
Treatment of egg whites. A. M. Kaplan and M. Solowey. 2,585,015, Feb. 12.

Treatment of equipment. H. L. Parry and D. C. Waldman. 2,610,166, Sept. 9.
Treatment of fibrous cellulose derivatives to render them more easily powdered. J. Downing and J. G. N. Drewitt. 2,618,018, Nov. 18.
Treatment of fibrous materials with polyamides. R. P. Foulds. 2,610,927, Sept. 16.
Treatment of films with liquid. M. S. Tarnopol. 2,606,566, Aug. 12.
Treatment of fish livers. F. A. Vandenheuvel. 2,588,338, Mar. 11.
Treatment of flammable materials to impart flame resistance thereto, compositions therefor, and products thereof. M. R. Burnell and J. E. Lynn. 2,582,961, Jan. 22.
Treatment of fluoric effluents to obtain ammonium fluoride. W. H. MacIntire. 2,584,895, Feb. 5.
Treatment of fluoric effluents to obtain magnesium silicofluoride and/or hydrofluoric acid. W. H. MacIntire. 2,584,894, Feb. 5.
Treatment of food products packaged in cylindrical containers. G. W. Burgess. 2,597,223, May 20.
Treatment of fresh fruits and vegetables for decay control. C. D. Cothran. 2,604,409, July 22.
Treatment of galvanizing skimmings. C. W. Morrison. 2,622,020, Dec. 16.
Treatment of garbage through fermentation. J. G. C. J. Verdier. 2,595,027, Apr. 29.
Treatment of gaseous hydrocarbon material streams. J. L. Groebe and J. T. Karbosky. 2,598,785, June 3.
Treatment of gaseous hydrocarbon mixtures, Method and apparatus for. P. V. Mullins. 2,595,284, May 6.
Treatment of gaseous mixtures. J. S. Swearingen. 2,617,484, Nov. 11.
Treatment of gases or vapors with liquids. O. G. Dixon. 2,615,832, Oct. 28.
Treatment of glyceride oils. K. F. Mattil. 2,613,215, Oct. 7.
Treatment of heavy materials comprising keratinous fibers. O. P. Cohen. 2,622,996, Dec. 23.
Treatment of hydrocarbon conversion catalysts. C. N. Kimberlin, Jr., and J. P. Billsoly. 2,618,613, Nov. 18.
Treatment of hydrocarbon distillates. J. A. Chenicek and K. M. Brown. 2,616,833, Nov. 4.
Treatment of hydrocarbon distillates. R. H. Rosenwald. 2,616,831, Nov. 4.
Treatment of hydrocarbon oils with an alkyl oxalate and an alkali alcoholate. J. O. Smith, Jr., and A. R. Jones. 2,593,619, Apr. 22.
Treatment of iron ore containing impurities, including nickel and chromium. C. R. Hayward. 2,584,700, Feb. 5.
Treatment of isomeric ester mixtures. L. Weisler. 2,591,110, Apr. 1.
Treatment of keratin and related materials. P. Alexander and C. Earland. 2,622,036, Dec. 16.
Treatment of manganese ores for the recovery of manganese as manganese carbonate. R. S. Dean and A. L. Fox. 2,621,107, Dec. 9.
Treatment of matte to recover metallic salts. M. J. Udy. 2,609,272, Sept. 2.
Treatment of mold surfaces. L. D. Garratt and G. A. Breene. 2,587,722, Mar. 4.
Treatment of molten metal. L. F. Reinartz and C. R. Fou Dersmith. 2,600,575, June 17.
Treatment of molten steel. F. J. Griffiths. 2,581,007, Jan. 1.
Treatment of montan wax. F. W. Breuer, and D. T. Zentymyer. 2,586,780, Feb. 26.
Treatment of natural, grown products to inhibit deterioration. H. C. Marks and D. H. Horchler. 2,604,408, July 22.
Treatment of nickeliferous oxide concentrates for recovery of nickel values therefrom. F. A. Forward. 2,616,781, Nov. 4.
Treatment of nonalpha tocopherols. L. Weisler. 2,592,628, Apr. 15.
Treatment of nonwoven cellulosic fabrics with urea resin colloids. J. K. Dixon. 2,617,744, Nov. 11.
Treatment of oily waste water. W. H. Green and A. A. Kalinske. 2,613,181, Oct. 7.
Treatment of oxidized hydrocarbon mixtures and products thereof. C. N. Zellner and F. Lister. 2,581,507–8, Jan. 8.
Treatment of oxidized hydrocarbons. C. N. Zellner. 2,581,506, Jan. 8.
Treatment of oxo alcohols by caustic and air. C. S. Carlson, W. E. Catterall, and J. H. Staib. 2,595,763, May 6.
Treatment of petroleum distillates with an alkali and an aldehyde. J. G. Browder and A. R. Smith. 2,616,832, Nov. 4.
Treatment of silica-alumina containing gels. E. A. Hunter. 2,582,254, Jan. 15.
Treatment of solid carbon containing materials to produce carbon monoxide for the synthesis of organic materials. N. L. Dickinson. 2,602,809, July 8.
Treatment of sour hydrocarbons with caustic solutions. L. D. Kleiss. 2,623,008, Dec. 23.
Treatment of soya beans. P. A. Singer and H. J. Deobald. 2,609,299, Sept. 2.
Treatment of soya beans and other leguminous seeds. E. M. Learmonth. 2,614,045, Oct. 14.
Treatment of synthetic gasoline. H. W. Fleming and A. H. Friedman. 2,615,036, Oct. 21.
Treatment of tank water and tankage. C. J. Davis, Jr. 2,597,230, May 20.
Treatment of textile fabrics for imparting antishrink properties thereto. H. vom Hove. 2,608,494, Aug. 26.
Treatment of textile materials. G. E. Niles. 2,586,477, Feb. 19.
Treatment of textile materials. J. B. Speakman and A. Crummett. 2,586,105, Feb. 19.
Treatment of textiles. W. W. Spooner. 2,594,753, Feb. 5.
Treatment of the spent cooking liquor of an ammonia base sulfite pulping process. D. Helleur. 2,596,241, May 13.
Treatment of thiocyanate containing solutions for the removal of thiosulfates. W. H. Hill and J. H. F. Veltman. 2,621,108, Dec 9.
Treatment of topped oxo alcohol with molecular oxygen and caustic. C. H. Hale and C. E. Starr, Jr. 2,595,786, May 6.
Treatment of viscose products. H. J. Lesser. 2,585,141, Feb. 12.
Treatment of waste pickle liquor. G. W. Heise, E. A. Schumacher, and H. R. Wilson. 2,583,098, Jan. 22.
Treatment of waste pickle liquor. W. Tiddy and F. D. Cooper. 2,605,169, July 29.
Treatment of well bores. B. P. Kantzer. 2,609,052, Sept. 2.
Treatment of well-drilling fluids. R. W. Hoeppel. 2,600,404, June 17.
Treatment of wells. J. B. Clark. 2,596,844–5, May 13.
Treatment of wines. J. H. Fessler. 2,590,076, Mar. 25.
Treatment of wines and like materials for their clarification. J. C. van Dyk. 2,600,085, June 10.
Treatment of wool. P. W. Cunliffe, J. L. Sharp, and F. Ashworth. 2,599,977, June 10.
Treatment of wool-containing textile materials and products thereof. J. G. Erickson and W. M. Thomas. 2,606,810 Aug. 12.
Treatment of wool with acid aminotriazine resin colloids. L. A. Fluck and J. E. Lynn. 2,609,307, Sept. 2.
Treatment of wool with N-chlorine compounds. C. Earland, J. L. Bailey and D. Carter. 2,590,390, Mar. 25.
Treatment process for hypereutectic cast irons. E. Eyt and L. Reygagne. 2,586,315, Feb. 19.
Tree felling device. R. P. Ingraham, J. W. Phillips and S. E. Ganis. 2,612,194, Sept. 30.
Tree felling jack. M. L. Jacobs. 2,583,945, Jan. 29.
Tree holder. C. E. Harris. 2,592,895, Apr. 15.
Tree mover. M. G. Coplen. 2,614,705, Oct. 21.
Tree protector band. A. L. Meis. 2,593,781, Apr. 22.
Tree puller. C. W. Harrell. 2,613,458, Oct. 14.
Tree pulling arrangement. J. I. Lyle, III. 2,597,740, May 20.
Tree stand. G. O. Kruger. 2,621,878, Dec. 16.
Tree support. E. Kroeger. 2,609,169, Sept. 2.
Trench excavator. D. F. Przybylski. 2,599,778, June 10.
Trenching machine, Auger type. D. J. Carroll. 2,598,350, May 27.
Trenching machine transmission. W. W. Everett. 2,617,314, Nov. 11.
Tress blocker. L. E. Carr. 2,581,513, Jan. 8.
Tri- and tetra-isobutylene, Production of. D. R. Stevens and R. S. Bowman. 2,591,384, Apr. 1.
Tri-alkenyl benzene. D. T. Mowry. 2,591,587, Apr. 1.
Tri-alkyl tin mono-alkoxides. D. Cleverdon, J. J. P. Staudinger, D. Faulkner, and J. N. Milne. 2,623,892, Dec. 30.
Trialkylsilylphenoxysilanes. J. L. Speier, Jr. 2,611,779, Sept. 23.
Triangle solver. E. B. Hales. 2,610,789, Sept. 16.
Triangular pulse generator. E. M. Creamer, Jr. 2,585,093, Feb. 12.
Triangular radiant. J. L. Raulston. 2,598,602, May 27.
Triangular strand for cables. A. Chamoux. 2,620,618, Dec. 9.
Triangular television and radio cabinet. V. Horn. 2,605,159, July 29.
Triangular wave generator. R. L. Carbrey. 2,602,151, July 1.
Triazine derivatives of diphenyl sulfones, sulfoxides, and sulfides, and production. R. H. Vogel. 2,599,145 June 3.
Trigsine substances for textile treatment. R. H. Wilson. 2,612,501, Sept. 30.
Tribenzoates of trialkylolamines. I. C. Beatty, III. 2,620,351, Dec. 2.
Trichloroacetic acid and derivatives, Manufacture of. C. M. Eaker. 2,613,220, Oct. 7.
Trichloroethane, Preparation of. R. H. M. Meyer and F. J. F. van der Plas. 2,621,153, Dec. 9.
Trichlorovinylpentachlorocyclopentadiene, Preparation of. E. T. McBee and J. S. Newcomer. 2,597,016, May 20.
Trickle charger. H. T. Havlick. 2,611,118, Sept. 16.
Tricone rock bit. K. H. Swart. 2,595,904, May 6.
Tricoordinate radio direction finder. K. W. Jarvis. 2,586,342, Feb. 19.
Tricycle and bicycle, Combination. M. J. Gallo and J. W. Gallo, Jr. 2,591,534, Apr. 1.
Tricycle drive mechanism and frame therefor. W. C. Roe and R. G. Nightingale. 2,593,347, Apr. 15.
Tricycle, Folding. S. R. Carson. 2,619,364, Nov. 25.
Trifluorochloroethylene-vinyl acetate copolymers. F. G. Pearson. 2,600,683, June 17.

Trifluoromethyl phenothiazine. N. L. Smith. 2,587,660, Mar. 4.
Trigger circuit. J. O. Edson. 2,614,142, Oct. 14.
Trigger circuit. J. G. Kreer, Jr. 2,614,140, Oct. 14.
Trigger circuit chain. A. H. Dickinson. 2,623,170, Dec. 23.
Trigger conversion device for rifles. M. H. Colley. 2,589,227, Mar. 18.
Trigger guard for firearms, Rotatable. E. M. Harvey. 2,590,858, Apr. 1.
Trigger lock for one-trigger guns. E. W. Lind. 2,598,924, June 3.
Trigger mechanism, Adjustable. F. D. Hoppert. 2,590,862 Apr. 1.
Trigger plate assembly for firearms. V. A. Browning. 2,604,714, July 29.
Trigger safety for firearms. M. A. de von Breymann. 2,590,516, Mar. 25.
Trihaloethyl esters of dibasic aliphatic acids and the production thereof. J. W. Cusic and A. L. Raymond. 2,584,846, Feb. 5.
Trihalomethyl derivatives of 1,3-dioxane. E. F. Schroeder. 2,595,304, May 6.
Trihydroxy steroid adducts. P. E. Marlatt, A. R. Hanze, A. V. McIntosh, Jr. and R. H. Levin. 2,592,586, Apr. 15.
Tri-isobutylene, Preparation of. D. R. Stevens and R. S. Bowman. 2,588,426, Mar. 11.
Trim connecting assembly. H. D. Drain. 2,599,322, June 3.
Trim member for automobile wheel assemblies. J. H. Barnes. 2,621,979, Dec. 16.
Trim panel and making the same. F. Lyljynen. 2,581,105, Jan. 1.
Trim panel and making the same. F. Lyljynen. 2,618,581, Nov. 18.
Trim tab servomotor control. A. M. MacCallum. 2,594,326, Apr. 29.
Trimmer and edger. W. T. Skillman. 2,621,463, Dec. 16.
Trimmer capacitor. L. T. Barnes. 2,607,826, Aug. 19.
Trimming and punching machine for forged blanks. J. Gavurin. 2,604,164, July 22.
Trimming and slitting machine for quilts and the like. D. Barth. 2,591,394, Apr. 1.
Trimming apparatus. R. E. Lindemann. 2,603,290, July 15.
Trimming device. R. G. and C. T. Paquette. 2,615,111, Oct. 21.
Trimming device for stock for loom reed dents. H. F. Davis, E. A. Southam, and F. Crossman. 2,598,513, May 27.
Trimming for license plates. C. C. Floyd and J. H. Narron. 2,590,763, Mar. 25.
Trimming machine. A. Greenbaum. 2,609,046, Sept. 2.
Trimming machine. H. C. Paulsen. 2,600,427, June 17.
Trimming of textile articles. H. E. Stout. 2,607,101, Aug. 19.
Trimethylchlorosilane, Preparation of. J. F. Hyde. 2,615,034, Oct. 21.
Trimethylsilylphenoxy esters. J. L. Speier, Jr. 2,584,752, Feb. 5.
Triode mixer construction. A. J. Torre. 2,601,467, June 24.
Triode, Ultrahigh-frequency. D. W. Power. 2,603,758, July 15.
Triorganosilylphenoxysilanes. J. L. Speier, Jr. 2,611,781, Sept. 23.
Trip and reset mechanism for float operated liquid fuel controlling valves. C. H. Millerwise. 2,591,581, Apr. 1.
Tripping mechanism for revolving rakes. R. C. Larsen. 2,583,655, Jan. 29.
Triphenylmethane dyes. S. A. Glickman. 2,598,660, June 3.
Triphosphoric ester of aneurin and preparation. L. Velluz, G. Amiard, and J. Bartos. 2,622,083, Dec. 16.
Triple expansion nozzle and spraying liquids. C. F. Boe. 2,585,429, Feb. 12.
Tripod. J. Bolsey. 2,598,753, June 3.
Tripod. B. C. Caldwell. 2,591,051, Apr. 1.
Tripod. T. Nerman. 2,587,511, Feb. 26.
Tripod leg connection. J. C. Loken. 2,613,902, Oct. 14.
Tripolymer of a vinyl aromatic compound, a coumarone-indene fraction and material recovered from a hydrocarbon-catalyst sludge. E. M. Geiser. 2,582,425, Jan. 15.
Trisazo-dyestuffs. K. Menzi. 2,622,175, Dec. 16.
Tris (tetraalkyldiamidophosphoryl) phosphates. H. Tolkmith, 2,620,355, Dec. 2.
Tristimulus integrator. S. A. Loukomsky and E. I. Stearns. 2,603,123, July 15.
Trithials of salicaldehyde and their chlorinated derivatives as insecticidal and fungicidal compositions. A. J. Shmidl. 2,595,173, Apr. 29.
Trithioacetals. F. P. Doyle and J. D. Kendall. 2,618,661, Nov. 18.
Trithiocarbonates as plant defoliants. L. D. Goodhue and C. E. Tissot. 2,607,673, Aug. 19.
Trochanteric plate for bone surgery. J. G. Collison. 2,612,159, Sept. 30.
Troffer for fluorescent lighting fixtures readily attached to the framework of a ceiling. M. H. Kruger. 2,597,875, May 27.
Trolley. C. D. P. Smallpeice. 2,611,326, Sept. 23.
Trolley base. W. J. Lewis. 2,616,992, Nov. 4.
Trolley conductor insulator. L. F. Brahmer and R. P. Hanna. 2,593,970, Apr. 22.
Trolley for electric power distribution system. C. E. Barkis. 2,586,414, Feb. 19.
Trolley for transportation of a load along a beam. L. T. Daigle. 2,604,974, July 29.
Trolley pole. J. J. Slomer. 2,616,991, Nov. 4.
Trolley pole. V. B. Terhune. 2,588,590, Mar. 11.
Trolley track, Electrified. F. N. Becker and C. de V. Miller. 2,605,365, July 29.
Trolling device. P. Metzger. 2,596,269, May 13.
Trolling float. T. B. Jones. 2,595,947, May 6.
Trolling reel. C. J. Gilette. 2,587,308, Feb. 26.
Trolling sinker. C. A. Lysikowski. 2,589,715, Mar. 18.
Trolling spoon. J. A. I. Öhlund and S. G. Bergman. 2,594,981, Apr. 29.
Trombone balancer. T. H. Ebbert. 2,615,361, Oct. 28.
Trotline snell fastener and hook shield. F. H. Lawrenz. 2,592,438, Apr. 8.
Trough and box, Meter. M. J. Lewis. 2,582,638, Jan. 15.
Trough for battery accumulators. Y. de Munck. 2,621,221, Dec. 9.
Trough for vehicle windows, Rain. R. J. Mauck. 2,587,354, Feb. 26.
Trough lifter. A. C. Motl. 2,594,791, Apr. 29.
Trough or tank water level valve. S. C. Wright. 2,580,637, Jan. 1.
Troughing roll. S. J. Spurgeon and R. O. Kimbro. 2,592,831, Apr. 15.
Trouser and skirt hanger. C. J. Stager. 2,610,775, Sept. 16.
Trouser blousing method. A. A. Aines. 2,596,112, May 13.
Trouser curtain. J. Glietti. 2,619,647, Dec. 2.
Trouser fly construction. G. W. Rosenberg. 2,585,175, Feb. 12.
Trouser hanger. S. M. Nicholas. 2,616,596, Nov. 4.
Trouser hanger. G. L. Walter. 2,594,602, Apr. 29.
Trouser pocket structure. H. Buelow. 2,596,525, May 13.
Trouser waistband construction. M. R. Bouteloup. 2,583,992, Jan. 29.
Trowel, Corner. G. H. Wood, Jr. 2,595,742, May 6.
Trowel device for plastering machines. G. W. Lynn. 2,618,149, Nov. 18.
Trowelable bituminous flooring composition and making same. C. A. Redfarn. 2,581,295, Jan. 1.
Troweling machine. H. S. Boulton. 2,605,683, Aug. 5.
Troweling machine. H. E. McCrery. 2,594,331, Apr. 29.
Truck. C. J. Clasen. 2,603,166, July 15.
Truck and attachment therefor, Lift. B. A. Dickson. 2,598,515, May 27.
Truck and implement carrier, Combined. L. A. Cooper. 2,581,753, Jan. 8.
Truck and lift, Hand. E. A. Bayer and L. D. Langdon. 2,598,489, May 27.
Truck and trailer body. F. Gerhardt. 2,596,478, May 13.
Truck attachment, Industrial. E. R. Backofen and E. J. Dunham. 2,609,114, Sept. 2.
Truck attachment, Industrial. S. Weiss. 2,582,663, Jan. 15.
Truck, Automobile tow. E. S. Hanzel. 2,603,370, July 15.
Truck auxiliary brake. J. V. Powell. 2,612,241, Sept. 30.
Truck, Barrel. B. Carter. 2,582,102, Jan. 8.
Truck body, Commercial. J. H. Torseth. 2,600,140, June 10.
Truck body, Knocked-down. C. J. Stahl. 2,616,754, Nov. 4.
Truck body step. E. S. Hilfiker. 2,604,335, July 22.
Truck body with hinged panels forming platforms, Panel type. V. P. Howard. 2,606,786, Aug. 12.
Truck box cover. R. A. Neitzke. 2,591,186, Apr. 1.
Truck, Car. R. B. Cottrell. 2,598,359, May 27.
Truck carrier clamp. G. Demos. 2,588,491, Mar. 11.
Truck, Casket carrying. W. E. Barrott, Jr. and Sr. 2,593,717, Apr. 22.
Truck chassis support. C. C. Carey. 2,582,767, Jan. 15.
Truck crane for fifth wheel. L. M. Francis. 2,604,302, July 22.
Truck dolly and jack. P. T. Abramson. 2,600,720, June 17.
Truck, Dragline material handling. E. J. Leger. 2,619,370, Nov. 25.
Truck, Dump. A. D. L. Hutchinson. 2,581,662, Jan. 8.
Truck, Elevator conveyer. A. Puig Salsas. 2,584,918, Feb. 5.
Truck, Emergency tire. L. V. Day. 2,607,607, Aug. 19.
Truck for air cargo use, Power-driven. J. L. Foy. 2,583,557, Jan. 29.
Truck for delivery of refrigerated packaged goods. E. A. Ruth. 2,617,270, Nov. 11.
Truck for railroad cars or the like. A. R. Cripe. 2,603,165, July 15.
Truck for rail vehicles. A. S. Krotz. 2,586,061, Feb. 19.
Truck for transporting outboard motors, Hand. R. S. Ritchey. 2,595,484, May 6.
Truck for transporting upright cylinders. H. O. Zander and P. B. Kuehl. 2,583,196, Jan. 22.
Truck, Fork. H. N. Welburn. 2,597,765, May 20.
Truck, Freight loading and unloading. F. P., E. E., and R. L. Anderson. 2,580,501, Jan. 1.
Truck grain body. E. T. White, Jr. 2,586,279, Feb. 19.
Truck, Hand. A. M. Barrett. 2,616,577, Nov. 4.
Truck, Hand. R. G. Bartlett. 2,592,644, Apr. 15.

Truck, Hand. T. B. Chambers, Jr. 2,609,950, Sept. 9.
Truck, Hand. B. Hooz and S. T. Mello. 2,605,117, July 29.
Truck, Hand. S. S. Millen. 2,607,606, Aug. 19.
Truck, Hand. L., and W. S. Richardson. 2,597,532, May 20.
Truck, Hand. E. Y. Takitani. 2,603,367, July 15.
Truck, Hand. W. M. Willitts. 2,607,502, Aug. 19.
Truck, Hand-propelled hydraulic lifting. J. H. Klassen. 2,590,016, Mar. 18.
Truck hoist. H. A. Willis, Jr. 2,588,598, Mar. 11.
Truck, Horizontally swinging dump body. C. L. Sherburne. 2,621,072, Dec. 9.
Truck, Hydraulic bomb lift. H. R. Soderstrom. 2,603,369, July 15.
Truck, Hydraulic lift platform. J. L. Junkin. 2,604,640, July 29.
Truck, Inboard railway. J. C. Settles and L. E. Furniss. 2,594,079, Apr. 22.
Truck, Industrial. E. J. Dunham. 2,616,578, Nov. 4.
Truck, Industrial. E. J. Dunham. 2,623,654, Dec. 30.
Truck, Industrial. E. J. Dunham and A. W. Gunning. 2,601,931, July 1.
Truck, Industrial. M. R. Elliott and G. L. Turner. 2,613,828, Oct. 14.
Truck, Industrial. S. Evans. 2,607,608, Aug. 19.
Truck, Industrial. N. M. Lawless. 2,595,959, May 6.
Truck, Industrial. M. Lehmann. 2,582,999, Jan. 22.
Truck, Industrial. G. L. Turner. 2,598,865, June 3.
Truck, Industrial. G. L. Turner. 2,608,315, Aug. 26.
Truck, Industrial. G. L. Turner and F. Sherriff. 2,590,355, Mar. 25.
Truck, Industrial elevating. M. Lehmann. 2,598,566, May 27.
Truck, Industrial lift. W. M. Gilman. 2,581,791, Jan. 8.
Truck, Industrial lift. M. Lehmann. 2,599,524, June 3.
Truck, Kiln. A. D. Alpine. 2,620,932, Dec. 9.
Truck, Lateral motion. C. P. Leese. 2,596,777, May 13.
Truck, Lift. B. E. Barnes. 2,595,120, Apr. 29.
Truck, Lift. G. Bevan. 2,610,751, Sept. 16.
Truck, Lift. N. Warshaw. 2,598,151, May 27.
Truck loading and unloading apparatus especially suited for masonry units. A. A. Hala. 2,605,914, Aug. 5.
Truck lock. P. R. Hoffman. 2,618,362, Nov. 18.
Truck, Locomotive. F. L. Alben. 2,610,586, Sept. 16.
Truck, Mechanical handling. R. Ward and J. Ridley. 2,596,747, May 13.
Truck, Motor vehicle wheel. R. O. Hulbert. 2,610,750, Sept. 16.
Truck, Motorized hand. E. W. Weaver. 2,592,091, Apr. 8.
Truck mounted generator system. J. E. Chlotte. 2,606,624, Aug. 12.
Truck of the type provided with a steering handle connected to a swiveled traction wheel, Power propelled. I. F. Schreck. 2,601,171, June 17.
Truck or dolly, Wheel. R. G. McGowan. 2,592,307, Apr. 8.
Truck or machine, Freight handling. L. E. Seagraves and T. H. Skeel. 2,601,933, July 1.
Truck, Pallet. G. F. Quayle. 2,615,677, Oct. 28.
Truck, Portable marketing. L. Maslow. 2,583,513, Jan. 22.
Truck, Power hand. F. T. Jenkins. 2,608,258, Aug. 26.
Truck, Rail. A. O. Williams. 2,598,870, June 3.
Truck, Rail car. E. H. Piron. 2,617,366, Nov. 11.
Truck, Railroad car. K. M. Hamilton. 2,583,144, Jan. 22.
Truck, Railroad car. J. L. Haynes. 2,587,315, Feb. 26.
Truck, Railroad car. E. W. Taylor. 2,620,743, Dec. 9.
Truck, Railway. D. S. Barrows. 2,590,360, Mar. 25.
Truck, Railway. D. S. Barrows. 2,621,611, Dec. 16.
Truck, Railway. D. S. Barrows and G. F. Couch. 2,608,937, Sept. 2.
Truck, Railway. M. P. Blomberg. 2,609,757, Sept. 9.
Truck, Railway. A. R. Cripe. 2,594,734, Apr. 29.
Truck, Railway. C. L. Eksergian. 2,614,507, Oct. 21.
Truck, Railway. E. C. Jackson. 2,592,700, Apr. 15.
Truck, Railway. W. C. Krautheim. 2,592,714, Apr. 15.
Truck, Railway. M. Watter. 2,620,742, Dec. 9.
Truck rim design. W. K. Collette. 2,586,206, Feb. 19.
Truck, Roll gripping and upending. J. C. Broersma. 2,611,498, Sept. 23.
Truck safety hook. R. D. Underwood. 2,617,367, Nov. 11.
Truck, Self-loading motor. N. F. Alvare. 2,604,219, July 22.
Truck, Snubbed. O. W. Neumann and G. D. O'Neil. 2,587,512, Feb. 26.
Truck, Stacking. J. J. Hegarty. 2,591,544, Apr. 1.
Truck, Table. E. P. Gannon. 2,621,815, Dec. 16.
Truck, Tandem wheel. H. F. Flowers. 2,602,401, July 8.
Truck tipping mechanism with initial lift lever. C. R. Golay. 2,603,518, July 15.
Truck top. G. L. Harper. 2,584,014, Jan. 29.
Truck unloading apparatus. A. L. Adams. 2,603,366, July 15.
Truck, Vehicle wheel. W. G. Hoffman. 2,583,216, Jan 22.
Truck with damping means, Railway. C. L. Orr and J. C. Settles. 2,615,403, Oct. 28.
True air speed and true altitude rate meter. R. F. Garbarini and J. R. Ericson. 2,598,681, June 3.
True air-speed meter. C. F. Schaefer. 2,599,288, June 3.
True dip determining apparatus for well logging. A. B. Hildebrandt. 2,615,248, Oct. 28.
True negative total printing mechanism. H. L. Lambert. 2,592,436, Apr. 8.
True rate of turn instruments. W. Wrigley. 2,602,239, July 8.
Trunk circuit. R. B. Curtis. 2,590,945, Apr. 1.
Trunk circuit repeater. P. Bakker. 2,614,173, Oct. 14.
Trunk frame designation transfer. R. K. McAlpine. 2,590,262, Mar. 25.
Trunk seal gasket. H. G. Beck. 2,622,286, Dec. 23.
Trunnion bearing. H. R. Larsen and D. Gurney. 2,602,229, July 8.
Trunnion for aircraft landing gear, Making a. G. E. Beringer. 2,584,832, Feb. 5.
Truss. J. E. Eddishaw. 2,610,623, Sept. 16.
Truss. L. P. Mack and R. A. Winters. 2,609,815, Sept. 9.
Truss. D. E. Mandell. 2,613,668, Oct. 14.
Truss. E. Mantel. 2,595,154, Apr. 29.
Truss. G. W. Piper. 2,606,551, Aug. 12.
Truss and harnessing means therefor, Uterus retaining. J. Payton. 2,606,552, Aug. 12.
Truss for quilting frames. H. B. McLemore. 2,599,404, June 3.
Truss, Hemorrhoid. E. H. Holmes. 2,615,445, Oct. 28.
Truss pad. R. E. Haesly. 2,613,669, Oct. 14.
Truss, Surgical. J. D. Meyer. 2,609,816, Sept. 9.
Tub assembly. T. Tiberi. 2,597,547, May 20.
Tub construction for washing machines and the like. E. G. Lipski. 2,602,563, July 8.
Tube: *See*—
Amplifier gas tube.
Barrier grid storage tube.
Beam amplifier tube.
Beam type electron tube.
Bean power tube.
Black screen television cathode-ray tube.
Cathode-ray coding tube.
Cathode-ray image converter tube.
Cathode-ray storage tube.
Cathode-ray tube.
Charge storage television tube.
Cold cathode gas filled amplifier tube.
Cold cathode tube.
Color television image tube.
Color television pickup tube.
Color television picture tube.
Color television reproduction tube.
Curing tube.
Delon tube.
Dispensing tube.
Electric discharge sonic tube.
Electric discharge tube.
Electric glow discharge tube.
Electron-discharge tube.
Electron ratchet tube.
Electronic indicator tube.
Electronic tube.
Electrostatically-focused rotary radial beam tube.
Flash tube.
Gas tube.
Gaseous discharge tube.
Guide tube.
High-power vacuum tube.
Hyperfrequency electron tube.
Image dissector tube.
Image intensifier tube.
Infant nasal feeding tube.
Lift truck fork tube.
Magnetic controlled gas rectifier tube.
Magnetron tube.
Metal cone cathode-ray tube.
Microwave tube.
Multicellular velocity-modulated tube.
Negative stored charge pickup tube.
Pentode tube.
Pickup tube.
Positive pedestal switched video tube.
Power amplifier tube.
Pressurized alkali-metal tube.
Rotary focused beam electron tube.
Ruggedized kylstron tube.
Sampling tube.
Self-closing paste tube.
Television camera tube.
Television image tube.
Television pickup tube.
Television transmitting tube.
Toy drinking tube.
Traveling wave amplifier tube.
Traveling wave tube.
Two-way sectional read-out tube.
Ultrahigh frequency electron tube.
Ultrahigh frequency generating tube.
Ultra-short wave electron tube.
Velocity modulation tube.
Very high-frequency electron tube.
Very high gain traveling-wave tube.
X-ray tube.
Yarn carrier tube.
Tube amplifier for signal voltages, Electron discharge. J. J. Z. van Zelst. 2,623,954, Dec. 30.
Tube and circuit, Modulator. M. V. Kalfaian. 2,587,734, Mar. 4.
Tube and making the same. R. H. von Liedtke. 2,599,878, June 10.
Tube and manufacturing such tubes, Cathode-ray. J de Gier. 2,591,521, Apr. 1.
Tube and pipe connector unit, Interchangeable, self-releasing, self-locking high-pressure. J. P. Gallagher and J. H. Gidlund. 2,585,453, Feb. 12.
Tube and support combination for illuminated signs. R. Brown. 2,623,988, Dec. 30.
Tube attachment for horizontal boiler flue, Water circulating. R. R. Grubbs. 2,604,080, July 22.
Tube bending apparatus. S. P. Wyrfel. 2,583,404, Jan. 22.
Tube bundle for heat exchangers. A. A. Berestneff. 2,599,428, June 3.
Tube calipering head. I. S. Roberts. 2,616,183, Nov. 4.
Tube casing and dispenser having a rotatable and slidable closure plug, Collapsible. C. S. Frederick. 2,613,852, Oct. 14.
Tube chamfering and cutoff mechanism. N. D. Abbey. 2,616,325, Nov. 4.
Tube circuit. C. H. Young. 2,580,875, Jan. 1.

Tube cleaner. G. A. Lewenhagen. 2,596,571, May 13.
Tube closure, Collapsible. R. L. Jeffery. 2,592,806, Apr. 15.
Tube compressor, Collapsible. E. B. Scott. 2,597,273, May 20.
Tube compressor, Fluid pressure actuated. H. W. Custer. 2,588,212, Mar. 4.
Tube construction, Finned. J. S. Newlin. 2,613,066, Oct. 7.
Tube current stabilizer. M. R. Coe. 2,617,045, Nov. 4.
Tube cutter. H. Bachli and H. S. Shapiro. 2,582,406, Jan. 15.
Tube cutting apparatus. B. E. Frank, J. W. Armstrong, and G. E. Histed. 2,582,025, Jan. 8.
Tube cutting machine. N. D. Abbey. 2,596,062, May 6.
Tube cutting machine. R. L. Ohmstede. 2,592,946, Apr. 15.
Tube drill adapter. E. H. McLaughlin. 2,588,267, Mar. 4.
Tube for color television, Pickup. A. Rose. 2,586,482, Feb. 19.
Tube for steam boilers, Water and fire. G. Rossi. 2,587,530, Feb. 26.
Tube for storage tanks and the like, Inlet. O. C. Goehring. 2,602,465, July 8.
Tube for television and the like, Pickup. D. Weighton. 2,619,531, Nov. 25.
Tube for use in bait traps, Inlet. R. R. Allen. 2,605,582, Aug. 5.
Tube for very high frequencies, Electron. L. Brück. 2,617,961, Nov. 11.
Tube former. T. E. Piazze. 2,587,211, Feb. 26.
Tube-forming machine. B. M. Nase. 2,604,136–7, July 22.
Tube frame for Axminster looms. W. Y. Robb. 2,603,239, July 15.
Tube generator. H. H. S. à Steringa Idzerda. 2,601,416, June 24.
Tube heater with flue gas recirculation and heating method. K. Permann. 2,601,667, June 24.
Tube heating machine. J. W. Garrett. 2,608,309, Aug. 26.
Tube holder and lighting system. E. G. Goddard. 2,620,372, Dec. 2.
Tube holder with tube-winding spool, Collapsible. W. T. Lord. 2,600,553, June 17.
Tube holding and dispensing device. H. J. Chehak. 2,583,631, Jan. 29.
Tube-in-tube heat transfer unit. S. O. Morrison. 2,597,744, May 20.
Tubemaking machine. R. C. Andersen. 2,595,747, May 6.
Tube mill. N. D. Abbey. 2,621,106, Dec. 9.
Tube of the high-frequency and high-power type, Electron. W. W. Salisbury. 2,591,012, Apr. 1.
Tube of the kind comprising an indirectly heated cathode, Electric discharge. H. J. de Weyer. 2,593,856, Apr. 22.
Tube of the traveling wave type, Electronic. J. W. Tiley. 2,584,308, Feb. 5.
Tube patch. C. A. Cornell. 2,582,770–1, Jan. 15.
Tube roller, Collapsible. A. H. Jung. 2,583,511, Jan. 22.
Tube roller, Collapsible. A. H. Jung. 2,614,729, Oct. 21.
Tube seal. R. E. Goure. 2,614,398, Oct. 21.
Tube sealing apparatus, Cathode-ray. W. P. Melcher and H. H. Voels. 2,580,450, Jan. 1.
Tube sectioning machine. M. E. Gazette. 2,586,424, Feb. 19.
Tube shear, Multicrop. A. A. Anderson. 2,620,030, Dec. 2.
Tube shearing apparatus. C. E. Slaughter. 2,607,074, Aug. 19.
Tube sheet and smoke box for horizontal flue boiler having return fire tubes. L. J. Henc. 2,604,081, July 22.
Tube slotting machine. C. L. McAuliffe. 2,600,669, June 17.
Tube socket. S. M. Del Camp. 2,595,188, Apr. 29.
Tube squeezer and brush holder, Collapsible. N. Lipton. 2,612,290, Sept. 30.
Tube squeezer with combined handle and presser foot, Collapsible. D. J. Berglund. 2,620,092, Dec. 2.
Tube structure, Electron. D. F. Drieschman and H. H. Eaves. 2,582,684, Jan. 15.
Tube structure, High-frequency. A. E. Harrison. 2,593,443, Apr. 22.
Tube structure, High-frequency. D. L. Snow, E. L. Ginzton, and D. R. Hamilton. 2,605,443, July 29.
Tube structure, High-frequency. S. F. Varian. 2,604,605, July 22.
Tube support for heaters. O. C. Schauble and E. F. Tibbetts. 2,619,077, Nov. 25.
Tube testing apparatus. H. E. Grau. 2,617,291, Nov. 11.
Tube testing machine. R. E. Wagenhals. 2,618,963, Nov. 25.
Tube trimming and piercing machine. H. F. Temple. 2,583,521, Jan. 22.
Tube type container. L. C. Brooks. 2,589,045, Mar. 11.
Tube valve with liquid link connected operator, Flexible. M. H. Grove. 2,622,619, Dec. 23.
Tube vibrator. K. V. Lindkvist. 2,597,505, May 20.
Tube vulcanizer, Electric. H. A. Van Dyke. 2,603,835, July 22.
Tube welding machine. J. L. Anderson. 2,605,732, Aug. 5.
Tube with aluminized screen, Cathode-ray. H. J. Evans. 2,582,822, Jan. 15.
Tube with luminescent shield, especially tuning tube, Electron. W. Jacobi and H. Hinderer. 2,594,026, Apr. 22.
Tube with luminescent shield, especially tuning tube, Electron. W. Jacobi, H. Hinderer and H. Kats. 2,594,025, Apr. 22.
Tube with movable electrode, Electron. G. Dion. 2,615,130, Oct. 21.
Tubes, Making. B. L. Quarnstrom. 2,618,845, Nov. 25.
Tubing anchor. J. D. Nixon. 2,603,163, July 15.
Tubing caliper with latch means. J. V. Fredd. 2,596,924, May 13.
Tubing hanger packing. C. R. Neilon. 2,600,257, June 10.
Tubing head, Ram-type. L. L. Rector. 2,593,793, Apr. 22.
Tubing packer. J. S. Page. 2,592,947, Apr. 15.
Tubing rotator. W. W. Williams. 2,595,434, May 6.
Tubing spider. J. R. Martin. 2,612,671, Oct. 7.
Tubular aluminum ball with reinforcing inserts at ends. C. S. Packer and M. R. Olsen. 2,595,695, May 6.
Tubular casing. H. Rumsey, Jr. 2,608,488, Aug. 26.
Tubular chart device. C. H. W. Hartmann. 2,590,313, Mar. 25.
Tubular cloth casing. E. F. McTighe. 2,614,261, Oct. 21.
Tubular contactor with conical distribution plate. R. W. Miller. 2,602,647, July 8.
Tubular container. C. E. Slaughter. 2,584,095, Jan. 29.
Tubular gas heater, in particular for solid fuels. C. Keller. 2,617,405, Nov. 11.
Tubular handle connection. J. F. Bagley, Jr. 2,610,902, Sept. 16.
Tubular heat exchanger. P. H. Karlsson and S. Holm. 2,606,006, Aug. 15.
Tubular joint. W. H. Peach and R. D. Malm. 2,614,827, Oct. 21.
Tubular knitted fabric. J. G. Walter and S. Cohn. 2,583,757, Jan. 29.
Tubular lamp tipping-off apparatus. R. A. Kuebler. 2,618,903, Nov. 25.
Tubular metal-to-glass sealing construction. T. H. Briggs, Jr. 2,596,758, May 13.
Tubular metallic bait. C. L. Dewey. 2,588,913, Mar. 11.
Tubular metallic wave, Making. W. B. Stoddard, Jr. 2,592,614, Apr. 15.
Tubular objects of prestressed concrete, Production of. E. Edwin and N. D. Nilsen. 2,585,446, Feb. 12.
Tubular rail member. W. H. Neely. 2,582,059, Jan. 8.
Tubular rivets and similar articles, Production of. E. H. Lynall. 2,583,270, Jan. 22.
Tubular router. R. E. Richards. 2,596,867, May 13.
Tucking mechanism for wrapping machines. V. P. Harvey. 2,611,226, Sept. 23.
Tuft-cutting mechanism for Axminster carpet looms. I. B. Bassindale. 2,619,987, Dec. 2.
Tufted product and making same. J. M. Schloss. 2,607,042, Aug. 19.
Tufting implement. A. G. Garvin. 2,617,373, Nov. 11.
Tufting machine. D. Brown. 2,617,230, Nov. 11.
Tumbler clothes drier. W. L. Kauffman, II. 2,612,705, Oct. 7.
Tumbler lock. H. F. George. 2,588,230, Mar. 4.
Tumbler lock plug. P. A. Kunz. 2,587,739, Mar. 4.
Tumbling machine. E. B. Banks and K. P. Tota. 2,606,407–8, Aug. 12.
Tunable cavity resonator electron discharge device. W. W. Hansen and R. H. and S. F. Varian. 2,610,307, Sept. 9.
Tunable cavity resonator transmit-receive device. B. B. Cork. 2,606,249, Aug. 5.
Tunable constant band-width signal-translating stage. H. A. Wheeler. 2,609,460, Sept. 2.
Tunable magnetron. W. B. Hebenstreit. 2,623,198, Dec. 23.
Tunable magnetron. J. W. McNall. 2,617,079, Nov. 4.
Tunable magnetron. S. Sonkin. 2,589,885, Mar. 18.
Tunable narrow band optical filter. B. H. Billings. 2,600,902, June 17.
Tunable superheterodyne superregenerative receiver. B. D. Loughlin. 2,609,492, Sept. 2.
Tunable velocity modulated electron discharge device. J. M. Lafferty. 2,582,045, Jan. 8.
Tuned audio relay. P. E. Fischler. 2,623,964, Dec. 30.
Tuned microwave reflector. S. Freedman and G. F. Bonardi. 2,622,242, Dec. 16.
Tuned supercharging. E. C. Magdeburger. 2,588,261, Mar. 4.
Tuner. G. W. Fyler and R. R. Wingert. 2,584,120, Feb. 5.
Tuner. D. H. Mitchell. 2,581,966, Jan. 8.
Tuner construction. R. Romero. 2,585,844, Feb. 12.
Tuner driving mechanism, Push-button. O. E. Wagenknecht. 2,596,451, May 13.
Tuner for high-frequency tubes. F. A. Jenks. 2,623,194, Dec. 23.
Tuner for lighthouse cavity resonator. H. L. Schultz and H. G. Cooper. 2,605,421, July 29.
Tuner for radio and television receivers and the like. C. W. Lytle and F. Nienaber. 2,594,667, Apr. 29.
Tuner for television receivers. E. J. H. Bussard. 2,615,983, Oct. 28.
Tuning and locking tool. K. H. Maxey and K. P. O'Toole. 2,601,795, July 1.

Tuning apparatus for electronic equipment. R. E. Samuelson. 2,611,858, Sept. 23.
Tuning apparatus for radio receivers and the like. M. J. Groenenberg. 2,582,380, Jan. 15.
Tuning circuit for resistor-capacitor oscillators. S. Payne. 2,619,534, Nov. 25.
Tuning device, Automatic auxiliary. R. E. Dearth. 2,603,119, July 15.
Tuning fork with simultaneous multiple frequencies. R. J. M. C. Langlois. 2,601,801, July 1.
Tuning indicator. H. E. Beste. 2,606,239, Aug. 5.
Tuning indicator for combined television and frequency modulation receiver. L. S. Depweg. 2,604,869, July 29.
Tuning inductor. D. R. De Tar. 2,606,315, Aug. 5.
Tuning means. A. Jalincke. 2,592,151, Apr. 8.
Tuning mechanism. D. C. Felt. 2,612,051, Sept. 30.
Tuning mechanism. R. W. Larson. 2,603,744, July 15.
Tuning mechanism. L. D. Sacre. 2,595,984, May 6.
Tuning mechanism for television sets and the like. J. R. Dull. 2,588,093, Mar. 4.
Tuning system. D. R. De Tar. 2,580,895, Jan. 1.
Tuning system. G. W. Wallin. Re. 23,605, Dec. 23.
Tuning system for coaxial cavity resonators. F. H. Taylor. 2,583,027, Jan. 22.
Tuning unit. W. J. Ostreicher. 2,614,248, Oct. 14.
Tungsten alloy. J. Kurtz. 2,600,995, June 17.
Tungsten carbide, Preparation of. D. T. Hurd. 2,601,023, June 17.
Tunnel kiln. E. Van de Pyl. 2,618,671, Nov. 18.
Tunnel lining form. R. E. Clapp. 2,590,683, Mar. 25.
Tunnel lining structure and gauge therefore. T. L. White. 2,610,470, Sept. 16.
Tunnel mucking apparatus. E. E. Miller. 2,587,362, Feb. 26.
Turbidimeter. R. F. Stamm and T. Mariner. 2,590,827, Mar. 25.
Turbine and compressor apparatus. W. S. Bowen. 2,615,616, Oct. 28.
Turbine and compressor blading in axial flow internal-combustion turbine power plants. W. R. Hawthorne. 2,613,909, Oct. 14.
Turbine apparatus. A. H. Redding and M. C. Benedict. 2,618,119, Nov. 18.
Turbine apparatus driven by either of two unrelated sources of air pressure. W. D. Teague, Jr. 2,612,757, Oct. 7.
Turbine assembly. W. J. Parducci. 2,620,156, Dec. 2.
Turbine bearing support structure. G. M. Mierley. 2,616,662, Nov. 4.
Turbine blade construction with provision for cooling. E. A. Stalker. 2,585,871, Feb. 12.
Turbine blade grinding machine. S. A. Czarnecki. 2,587,603, Mar. 4.
Turbine bucket damping arrangement. P. H. Knowlton, Jr. 2,610,823, Sept. 16.
Turbine, Combined radial and axial flow multistage. C. Yeomans. 2,592,227, Apr. 8.
Turbine-compressor unit. E. Fallon. 2,589,239, Mar. 18.
Turbine construction for turbojet engines. R. M. Williams. 2,622,843, Dec. 23.
Turbine diaphragm. J. L. Ray. 2,614,870, Oct. 21.
Turbine disk construction. G. T. Williams. 2,618,460, Nov. 18.
Turbine expansion section construction. W. G. Lundquist. 2,622,789, Dec. 23.
Turbine governing system. R. Sheppard. 2,595,007, Apr. 29.
Turbine-impact drill. W. R. Postlewaite. 2,613,917, Oct. 14.
Turbine mechanism for driving the fuel pumps of rockets. A. Chilton. 2,585,626, Feb. 12.
Turbine nozzle guide vane construction. J. T. Purvis. 2,609,176, Sept. 2.
Turbine rotor construction. L. D. Barrett. 2,621,018, Dec. 9.
Turbine rotor formed of laminated plates with aperture - overlap. S. A. Kane. 2,618,462, Nov. 18.
Turbine-type hydraulic torque converter. C. M. Huntington. 2,616,261, Nov. 4.
Turbine type hydraulic torque converter. S. Mayner. 2,623,408, Dec. 30.
Turbine wheel. D. P. Eastman and T. L. Swansen. 2,601,969, July 1.
Turbine wheel. P. Wirz. 2,609,142, Sept. 2.
Turbine wheel and cooling same. C. F. Bachle. 2,604,298, July 22.
Turbodrill thrust balancing apparatus. W. R. Postlewaite. 2,592,519, Apr. 8.
Turbojet engine having jet pump and rotary compressor means to reduce turbine exhaust pressure. H. Coanda. 2,623,356, Dec. 30.
Turbomachine rotor. F. Schaer. 2,619,318, Nov. 25.
Turboprop control. L. S. Greenland. 2,616,507, Nov. 4.
Turbo-propeller. W. Perrott. 2,616,511, Nov. 4.
Turbopump structure. L. L. Dreibelbis. 2,606,501, Aug. 12.
Turbo-supercharged internal-combustion engine having implosive inlet and explosive exhaust. M. Kadenacy. 2,581,668, Jan. 8.
Turf engaging element for cultivating apparatus. T. C. Mascaro. 2,591,572, Apr. 1.
Turkey call. R. C. Boatwright. 2,606,401, Aug. 12.
Turnbuckle lock. L. C. Stukenborg and H. V. Utterback. 2,580,482, Jan. 1.
Turnbuckle safety-locking sleeve and combination involving same. J. F. Spielman. 2,609,220, Sept. 2.
Turn button for aircraft cowlings. A. Evans and W. E. Edwards. 2,581,089, Jan. 1.
Turn control apparatus. J. C. Newton. 2,623,715, Dec. 30.
Turndown collar. F. W. and H. J. Bevins. 2,584,834, Feb. 5.
Turn gauge. B. Castiglia. 2,612,703, Oct. 7.
Turn-in stud mounting molding snap fastener. J. Kral. 2,615,226, Oct. 28.
Turn indicator. M. T. Lybrook and H. H. Clayton. 2,611,842, Sept. 23.
Turnstile and article dispensing mechanism, Combined. H. A. Gersbach. 2,618,085, Nov. 18.
Turntable construction. R. G. Kugler. 2,583,954, Jan. 29.
Turntable control means for aerial ladders. E. J. Arps. 2,614,743, Oct. 21.
Turntable drive. F. R. Nuckols. 2,586,174, Feb. 19.
Turntable drive for talking machines using disk records. L. V. Guest and P. Shephard. 2,621,527, Dec. 16.
Turntable for paper roll stands. F. W. Showalter. 2,585,859, Feb. 12.
Turntable for record changers. W. Miller and J. L. D. Morrison. 2,598,584, May 27.
Turntable speed compensator. R. M. Cain. 2,603,077, July 22.
Turning device. E. J. Kratzenberg. 2,599,846, June 10.
Turning lathe for shoe lasts. G. Clausing. 2,590,378, Mar. 25.
Turning machine. W. Siegerist. 2,596,444, May 13.
Turning machine. G. Stewart. 2,586,183, Feb. 19.
Turning machine. B. W. Thames. 2,605,883, Aug. 5.
Turning work. E. P. Bullard. 2,611,290, Sept. 23.
Turret gun mounting. L. Motley. 2,594,198, Apr. 22.
Turret lathe. C. E. Greene. 2,587,312, Feb. 26.
Turret lathe attachment. H. E. Malear. 2,617,322, Nov. 11.
Turret type slim line lamp holder. J. M. Pistey. 2,606,225, Aug. 5.
Tuyère. N. Even. 2,602,661, July 8.
Tuyère arrangement in cupola furnaces. H. A. Reece. 2,595,290, May 6.
Tuyère construction with cooling and steam feeding means. G. H. Wolfe and D. E. Mackenzie. 2,582,615, Jan. 15.
Tweezer. C. J. Lo Monte. 2,595,683, May 6.
Tweezer, Power-driven. M. A. Smith. 2,592,484, Apr. 8.
Tweezers, Soldering. R. A. Ammon. 2,623,152, Dec. 23.
Tweezers with automatic traction, Hair. B. Cahn. 2,584,547, Feb. 5.
12-bromo steroid adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,623,043, Dec. 23.
24-substituted delta 5-cholene-3, 24-diols. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,594,323, Apr. 29.
21-acyloxy allopregnanes, Preparation of. S. Kaufmann, G. Rosenkranz and J. Pataki. 2,596,562, May 13.
21-bromo steroid adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,621,179, Dec. 9.
21-bromo steroids. E. C. Kendall. 2,623,051, Dec. 23.
21-halocholadienes. C. Meystre and A. Wettstein. 2,599,007, June 3.
21-Iodo-pregnene-(5)-ol-(3)-one-(20), Preparing. H. Ruschig. 2,609,379, Sept. 2.
21-substituted thioncetals of 20-oxo-pregnanes and 20-oxo-pregnenes. A. Wettstein and C. Meystre. 2,598,653, May 27.
21-substituted thioenol ethers of 20-oxo-pregnanes and 20-oxo-pregnenes. A. Wettstein and C. Meystre. 2,598,654, May 27.
Twin bushing puller. M. Claps. 2,609,597, Sept. 9.
Twin plunger valve. O. Schnyder. 2,592,474, Apr. 8.
Twine dispenser. L. D. Bartlett. 2,580,878, Jan. 1.
Twine dispenser. L. D. Bartlett. 2,603,861, July 22.
Twine holder. J. W. England. 2,594,140, Apr. 22.
Twist barrier for double twist spindles. R. S. Bley. 2,590,372, Mar. 25.
Twist drill gauge. E. Bliss. 2,592,003, Apr. 8.
Twist-on bus-support clamp. I. F. Matthysse. 2,616,646, Nov. 4.
Twisted reinforcing bar. F. Sosna. 2,606,439, Aug. 12.
Twisted selvage cutter. J. Haelliger. 2,609,009, Sept. 2.
Twister ring lubricant. A. J. Morway and D. W. Young. 2,604,452, July 22.
Twisting spindle. J. L. Pellat-Finet and M. Riffet. 2,587,758, Mar. 4.
Twisting spindle balloon compensating device. H. C. Uhlig. 2,614,381, Oct. 21.
Twisting tube assembly for textile machinery. W. Hardacre and E. Beaumont. 2,619,790, Dec. 2.
Twisting yarn, Method of and apparatus for. H. C. Uhlig. Re. 23,509, May 27.
2-acetoxytestosterone esters. S. Kaufmann, G. Rosenkranz, and J. Berlin. 2,602,803, July 8.
2-alkali carbohydric derivative utilizing azeotropic distillation, Preparation of. K. M. Gaver, E. P. Lasure and L. M. Thomas. 2,602,084, July 1.
2-alkoxyphenethyl-6-carboxycyclohexene-1-one-3 esters and preparing same. J. A. Hogg. 2,582,252, Jan. 15.
2-amino-4-dialkylaminoethoxypyrimidines. W. Oroshnik. 2,610,184, Sept. 9.

2-amino-4-dialkylaminoethoxypyrimidines. W. Oroshnik. 2,610,186, Sept. 9.
2-amino-4-dialkylaminoethoxy-6-methylpyrimidines. W. Oroshnik. 2,610,187, Sept. 9.
2-amino-4-dialkylaminopropoxypyrimidines. W. Oroshnik. 2,610,185, Sept. 9.
2-amino-4-dialkylaminopropoxypyrimidines. W. Oroshnik. 2,610,188, Sept. 9.
2-amino-4-hydroxy-7-pteridyl derivatives. S. Avakian and G. J. Margin. 2,620,340, Dec. 2.
2-amino-4-hydroxy-6-polyhydroxyalkyl pteridine and oxidizing same. H. Kirchensteiner, H. Spiegelberg, and H. Lindlar. 2,603,643, July 15.
2-amino-4-sulfon amidophenylarsenic acid and its sodium salt. J. Trefouel. 2,616,913, Nov. 4.
2-aminomethyl-tetrahydroncenapthones-1 and their preparation. H. J. Glenn and B. W. Horrom. 2,589,934, Mar. 18.
2-aminopyridine salt of estrone sulfate. D. Beall and G. A. Grant. 2,581,350, Jan. 8.
2-amino-7-heterocyclicaminothioxanthenes. E. D. Amstutz. 2,592,529, Apr. 15.
Two-arm expanding head tube cleaner. J. P. Rodgers. 2,597,263, May 20.
2-carboalkoxy-1,3-butadienes and polymers thereof, Preparation of novel. J. C. Westfahl and D. S. Sears. 2,587,558, Feb. 26.
2-carboxymethylthio-4-aminopyrimidine and making. G. H. Hitchings and P. B. Russell. 2,621,182, Dec. 9.
2-chloro-4-methoxy-5-nitro-toluene and 2-chloro-4-methoxy-5-amino-toluene, Preparation of. B. W. Rottschaefer. 2,581,972, Jan. 8.
Two-cycle crankcase compression engine. B. Jacobsen. 2,586,467, Feb. 19.
Two-cycle crankcase compression engine. L. A. Suhadolnik and H. G. Sanger. 2,607,329, Aug. 19.
Two-cycle crankcase compression engine. H. Teegen. 2,618,249, Nov. 18.
Two-cycle engine. G. Eichelberg. 2,595,932, May 6.
Two-cycle internal-combustion engine. A. de Laage. 2,586,621, Feb. 19.
Two-cycle pump and engine assembly. J. R. Evans. 2,612,149, Sept. 30.
2-cyclohexyl and 2-cyclohexylidene-1-(3-piperidino-propyl)-cyclohexanols. K. Miescher and A. Marxer. 2,590,638, Mar. 25.
Two element photographic lens system. J. K. Davis. 2,586,418, Feb. 19.
2,4-bis (methylsulfonyl)-benzencaso-N-fluoroalkyl-N-hydroxyalkylaniline compounds. J. B. Dickey. 2,615,013, Oct. 21.
2,4-dinitro-6-alkylphenyl p-chlorobenzene sulfonates. F. E. Boettner and W. J. Croxall. 2,605,277, July 29.
2,4-disubstituted amino quinazolines. H. Isler and A. Huenl. 2,623,878, Dec. 30.
2,4,5-triamino-6-alkoxy pyrimidines and preparing same. E. A. Kaczka and K. Folkers. 2,584,024, Jan. 29.
2,4,6-trichlorophenyl dialkylphosphates. L. R. Drake and A. J. Erbel. 2,599,375, June 3.
2-halo-allopregnane-17a-ol-3,20-dione, Producing. G. Rosenkranz, S. Kaufman, and J. Pataki. 2,584,159, Feb. 5.
Two-hand fluid pressure control of power machinery. J. J. Griffin. 2,598,907, June 3.
Two-hand press control device. C. C. Tiedman. 2,594,520, Apr. 29.
Two-hand safety control for power machinery. C. W. Ledig. 2,613,787, Oct. 14.
2-isopropylmethylaminoethyl ester of phenylcyclohexenyl-acetic acid and salts thereof. R. B. Moffett. 2,586,849, Feb. 26.
2-isopropylmethylaminopropyl ester of phenylcyclohexenyl-acetic acid and salts thereof. R. B. Moffett. 2,586,850, Feb. 26.
Two-lamp wrapper. G. A. Conkle. 2,611,531, Sept. 23.
2-mercapto-arylene-thiazole-6-sulphonic acids and salts thereof, Preparation of. A. Sander. 2,593,800, Apr. 22.
2-mercaptoimidazoles, Preparation of. R. G. Jones. 2,585,388, Feb. 12.
2-mercapto thiazoles, Preparation of. J. T. Gregory. 2,603,647–8, July 15.
2-mercapto thiazoles, Preparation of. R. A. Mathes. 2,603,646, July 15.
2-n-alkylmercapto-benzothiazole derivatives and preparing the same. A. Sander. 2,617,807, Nov. 11.
Two-phase three-solvent concentration of antipernicious anemia factors. W. C. Jackson. 2,613,171, Oct. 7.
Two-pole turbogenerator rotor. A. Mándi and F. Ratkovszky. 2,594,952, Apr. 29.
Two pump system. P. R. Vogt and B. C. Jacob, Jr. 2,595,618, May 6.
Two-section foldable game table. K. E. Sutton. 2,595,725, May 6.
2,7-diamino-9-(aminophenyl) phenanthridinium salts. L. P. Walls and N. Whittaker. 2,594,265, Apr. 22.
Two-shuttle pick and pick shuttle changing loom. R. G. Turner. 2,609,845, Sept. 9.
Two-sided mosaic screens, Preparation of. G. K. Teal. 2,598,317, May 27.
2:6-dihalogenodiphenylethers and preparing same. E. T. Borrows and J. C. Clayton. 2,600,835, June 17.
Two source binary-decade counter. A. H. Dickinson. 2,594,742, Apr. 29.
Two-speed gearing. P. H. Cleff. 2,621,546, Dec. 16.
Two-speed gearing for bicycles. E. E. Hood. 2,609,712, Sept. 9.
Two-speed planetary transmission. R. E. Weiser. 2,588,187, Mar. 4.
Two-speed power steering. G. E. Armington. 2,583,197, Jan. 22.
Two-stage emulsion polymerization process. F. W. Banes and E. Arundale. 2,623,032, Dec. 23.
Two-stage filter. W. Lewis, Jr., and L. T. Clifton. 2,612,270, Sept. 30.
Two-stage hydraulic control valve. E. R. Walthers. 2,600,348, June 10.
Two-stage hydraulic pressure pump. B. Beaman, J. Hulman, and R. A. Stein. 2,604,047, July 22.
Two-stage isomerization of N-heptane. J. D. Kemp. 2,583,740, Jan. 29.
Two-stage torsion spring suspension. J. M. Colby. 2,606,759, Aug. 12.
Two-step digestion of wood with aliphatic acid. M. E. Martin and D. L. Sherk. 2,601,408, June 24.
Two-stroke cycle internal-combustion engine. W. Baumann. 2,594,845, Apr. 29.
Two-stroke cycle internal-combustion engine. A. Schnürle and O. Elwert. 2,609,802, Sept. 9.
Two-stroke cycle internal-combustion engine with slide valve. J. T. M. Schlamann. 2,591,619, Apr. 1.
2,3,5,6, tetramethyl anilino anthraquinones and making the same. J. Ogilvie. 2,596,820, May 18.
2,3,4,4,5,5-hexachloro-2-cyclopentenone insecticidal compositions. E. B. Towne and H. M. Hill. 2,588,997, Mar. 11.
2,3 xylidinoanthraquinone compounds and sulfonation products thereof. E. C. Buxbaum. 2,605,269, July 29.
Two-tone air whistle. J. L. Bonanno. 2,615,968, Oct. 28.
2-trihalomethyl-1,3-dioxolane-4-carboxybenzoate and carboxyalkanoate. E. F. Schroeder. 2,589,296, Mar. 18.
2,2'-alkylidene-bis(6-alkyl-4-chlorophenols). C. L. Moyle. 2,623,907, Dec. 30.
2,2'-dihydroxy-3-hydroxymethyl-5,5'-dichlorodiphenylmethane. H. E. Faith. 2,590,816, Mar. 25.
2,2-dimethyl-3-hydroxypropylamine and its preparation. J. R. Caldwell. 2,618,658, Nov. 18.
2,2'-methylenebis (4-chloro-6-aminophenol). H. E. Faith. 2,615,046, Oct. 21.
2,2'-methylenebis (4-chloro-6-nitrophenol) and its production. H. E. Faith. 2,615,052, Oct. 21.
2-(2-thiazylthio)-1,4 dihydroxybenzenes and preparation of same. T. H. Newby. 2,616,893, Nov. 4.
2-vinyl-thiazole. L. A. Brooks, M. Markarian, and M. Nazzewski. 2,591,506, Apr. 1.
Two-way communication system between two facsimile transceivers. G. H. Ridings. 2,616,963, Nov. 4.
Two-way liquid seal trap. K. M. Adair. 2,605,015, July 29.
Two-way sectional read-out tube. H. E. Metcalf. 2,618,697, Nov. 18.
Two-way stretching a continuous sheet, Method and apparatus for. D. T. Milne. 2,618,012, Nov. 18.
Two-way torque-limiting clutch. W. M. White. 2,618,137, Nov. 18.
Two-way valve. M. Funkhouser. 2,583,169, Jan. 22.
Two-way wire telephone repeater circuit. M. A. Lalande. 2,601,302, June 24.
Two-wheel vehicle. H. E. Violet. 2,592,981, Apr. 15.
Two wire load measuring system. R. G. Lockett. 2,600,059, June 10.
Type action system for typewriters. O. Haas, T. Schaedler and L. Schneider. 2,611,469, Sept. 23.
Type assembly device. J. F. Murphy. 2,587,368, Feb. 26.
Type bar. W. Wockenfuss. 2,606,491, Aug. 12.
Type bar actuating mechanism for typewriters. A. Tombolini. 2,582,803, Jan. 15.
Type bar mechanism for typewriters with segment shift device. J. F. Wunderlich and O. Brandenburg. 2,582,369, Jan. 15.
Type bar operating mechanism for stenographic typewriters. H. M. Von Duyke. 2,612,977, Oct. 7.
Type bar releasing mechanism for typewriters. A. Gissel and E. Reuter. 2,612,252, Sept. 30.
Type bar rest. R. E. Page and R. D. Dodge. 2,605,880, Aug. 5.
Type bar restraining means. W. A. Anderson. 2,620,973, Dec. 9.
Type bar shifting mechanism for stenographic typewriters. H. M. Von Duyke. 2,616,545, Nov. 4.
Typeholder socket. P. J. Hahn, Sr. 2,615,395, Oct. 28.
Type holding apparatus. P. J. Hahn, Sr. 2,618,220, Nov. 18.
Type lever actuating mechanism for extra-low portable typewriters. M. Juillard. 2,603,337, July 15.
Type locking means in marking machines. O. Petermann and F. Kosmer. 2,598,438, May 27.
Type locking mechanism. C. Padilla and J. Mayer. 2,607,597, Aug. 19.
Type member. C. G. Dudis. 2,589,682, Mar. 18.
Type ribbon feed device for race totalizator ticket issuers. A. F. and G. A. Julius. 2,592,706, Apr. 15.
Typesetting means in laundry listing machine. J. Griesinger. 2,599,709, June 10.
Typewheel arresting mechanism for printing telegraph apparatus. R. D. Salmon. 2,583,017, Jan. 22.

Type wheels, Manufacture of. J. Last. 2,602,397, July 8.
Typewriter, Automatic. W. F. O'Halloran. 2,605,879, Aug. 5.
Typewriter bail. R. A. Maddox. 2,616,546, Nov. 4.
Typewriter cabinet. C. B. Lundstrom. 2,585,566, Feb. 12.
Typewriter carriage and bearing therefor. G. Prezioso. 2,617,511, Nov. 11.
Typewriter carriage control means support. G. Prezioso. 2,612,978, Oct. 7.
Typewriter carriage spacing control. C. W. Norton. 2,581,200, Jan. 1.
Typewriter, Chinese. L. Yutang. 2,613,795, Oct. 14.
Typewriter, Coin-operated. G. D. Cuckler. 2,604,969, July 29.
Typewriter keyboard. R. L. Smith. 2,587,778, Mar. 4.
Typewriter keyboard. R. L. Smith. 2,591,310, Apr. 1.
Typewriter operating apparatus. R. T. Hogg. 2,613,797, Oct. 14.
Typewriter page end indicator. H. C. Stricklin. 2,595,178, Apr. 29.
Typewriter support. W. F. Herring. 2,587,469, Feb. 26.
Typewriter support. J. Vale and C. E. Klopfer. 2,593,075, Apr. 15.
Typewriter support for desks. C. M. Abrahamson. 2,614,011, Oct. 14.
Typewriter, Tape-printing. H. L. Tholstrup and J. A. Skinner. 2,605,881, Aug. 5.
Typewriter, Training. L. A. Gecsei. 2,613,453, Oct. 14.
Typewriter with rotary and translatory work support. Pocket. M. Julliard. 2,603,336, July 15.
Typewriting machine, Power-operated. R. V. Reppert. 2,621,772, Dec. 16.
Typewriting machine, Stenographic. M. Reed and F. H. Bickford. 2,607,464, Aug. 19.
Typographic mold. M. H. Hartzell. 2,606,649, Aug. 12.
Tyrothricin, Producing. W. R. Mitchell. 2,602,043, July 1.
U shaped collar for golf bags. D. E. Wilson. 2,621,799, Dec. 16.
U-shaped vibrator armature and damped arm mechanism. C. Huetten. 2,606,259, Aug. 5.
Ultrahigh-aperture five component objectives. W. Schade. 2,604,013, July 22.
Ultrahigh-frequency apparatus. A. F. Brewer. 2,587,590, Mar. 4.
Ultrahigh-frequency attenuator. R. M. W. Johnson and J. W. Shaw. 2,620,396, Dec. 2.
Ultrahigh-frequency bridge. T. Moreno. 2,616,951, Nov. 4.
Ultrahigh-frequency bridge circuits. E. W. Herold. 2,594,167, Apr. 22.
Ultrahigh-frequency device. C. M. Russell. 2,617,038, Nov. 4.
Ultrahigh-frequency directional coupling apparatus. T. Moreno. 2,602,859, July 8.
Ultrahigh-frequency electron discharge device. R. R. Law and L. Pensak. 2,599,263, June 3.
Ultrahigh frequency electron discharge device, Making. D. W. Power. 2,621,996, Dec. 16.
Ultrahigh-frequency electron discharge tube apparatus. M. Chodorow. 2,617,071, Nov. 4.
Ultrahigh frequency electron tube. J. A. McCullough. 2,609,517, Sept. 2.
Ultrahigh-frequency filter. V. D. Landon, R. L. Harvey and E. O. Keizer. 2,594,037, Apr. 22.
Ultrahigh frequency generating tube. M. J. O. Strutt and A. van der Ziel. 2,597,542, May 20.
Ultrahigh-frequency heater. P. W. Morse and M. F. Davis. 2,583,338, Jan. 22.
Ultrahigh frequency mixer. R. V. Pound. 2,605,399, July 29.
Ultrahigh-frequency mixing circuits. C. G. Montgomery. 2,589,843, Mar. 18.
Ultrahigh-frequency noise generator. J. B. H. Kuper and M. C. Waltz. 2,597,340, May 20.
Ultrahigh-frequency oscillation generator. J. H. Fremlin and J. Foster. 2,593,433, Apr. 22.
Ultrahigh-frequency panoramic receiver. D. A. Park. 2,600,260, June 10.
Ultrahigh-frequency power measuring apparatus. O. Lundstrom. 2,619,540, Nov. 25.
Ultrahigh-frequency structure. T. Murakami. 2,601,445, June 24.
Ultrahigh frequency traveling-wave tube power regulating system. P. M. Lapostolle. 2,611,832, Sept. 23.
Ultrahigh-frequency variable impedance element. D. R. Hamilton. 2,602,157, July 1.
Ultra-short wave electron tube. F. Lüdi. 2,597,506, May 20.
Ultrasonic flaw detector. D. C. Erdman. 2,593,865, Apr. 22.
Ultrasonic generator. E. H. Harris. 2,589,375, Mar. 18.
Ultrasonic materials testing. H. E. van Valkenburg and M. S. Wasserman. 2,587,414, Feb. 26.
Ultraviolet flashlight and energizing unit therefor. C. Weeks. 2,613,313, Oct. 7.
Ultraviolet light absorbing film. H. B. Freyermuth and W. O. Ney. 2,614,940, Oct. 21.
Ultraviolet light source and circuit for refrigerator cabinets. J. R. Stirnkorb. 2,622,409, Dec. 23.
Ultraviolet photometric method and apparatus. P. A. Giguère. 2,617,940, Nov. 11.
Ultraviolet-radiation impervious wrapping material. I. A. Pearl. 2,580,461, Jan. 1.
Ultraviolet-transmitting high-silica glasses, Making. M. E. Nordberg. 2,612,726–7, Oct. 7.
Umbrella. J. Mayer. 2,621,669, Dec. 16.
Umbrella. C. A. Suel and V. Axelrad. 2,604,898, July 29.
Umbrella bandoleer. W. D. Young. 2,610,778, Sept. 16.
Umbrella, Collapsible. R. H. Thompson. 2,616,439, Nov. 4.
Umbrella cover. J. Sherman. 2,617,437, Nov. 11.
Umbrella cover construction and tip therefor. Max and Matthew Ornstein. 2,591,095, Apr. 1.
Umbrella, Garden. H. Pereira. 2,595,697, May 6.
Umbrella, Garden and beach. R. A. Russell. 2,584,502, Feb. 5.
Umbrella, Reversible. W. S. Evans, Jr. 2,607,362, Aug. 19.
Unbalanced tap-changing on rectifier locomotives. L. J. Hibbard. 2,597,100, May 20.
Unbalanced to balanced line transformer. P. D. Coleman. 2,597,853, May 27.
Uncaser device. S. Ciraolo. 2,611,494, Sept. 23.
Uncurler guide for cup feed sewing machines. C. R. De Sha. 2,619,923, Dec. 2.
Undercut former. R. M. James. 2,614,310, Oct. 21.
Under door frame saw. G. O. Koeling. 2,610,658, Sept. 16.
Underframe for railway cars and similar vehicles. M. Watter. 2,620,751, Dec. 9.
Underframe structure for land vehicles, especially trailers. E. T. Ridgway. 2,621,059, Dec. 9.
Undergarment. R. W. Colini. 2,586,614, Feb. 19.
Undergarment. I. I. Isaacson and E. D. Carrico. 2,616,086, Nov. 4.
Undergarment. W. G. Murphy, Jr. 2,583,226, Jan. 22.
Undergarment. D. I. Wallace, Sr. 2,621,654, Dec. 16.
Undergarment, Baby. I. R. King. 2,604,626, July 29.
Undergarment for men. J. A. Firsching, Sr. 2,601,602, June 24.
Undergarment, Maternity. G. Delman. 2,597,710, May 20.
Undergarment, Men's. F. Chatfield. 2,602,928, July 15.
Undergarment, Men's. F. Chatfield. 2,623,210, Dec. 30.
Undergarment waistline midriff girdle. H. J. Dubner. 2,596,765, May 13.
Undergarment, Woman's. L. Lances. 2,622,245, Dec. 23.
Underground forked scraper-shear bar for power-driven colters. H. J. Baldwin. 2,620,714, Dec. 9.
Underground gasification of coal. L. L. Newman and W. C. Schroeder. 2,593,477, Apr. 22.
Underground liquefaction of coal. E. F. Pevere and G. B. Arnold. 2,595,979, May 6.
Underground storage tank assembly and locator. F. E. Morris. 2,617,215, Nov. 11.
Underlie for rugs, Flexible. F. W. Bingell. 2,622,039, Dec. 16.
Underpinning of buildings. F. Pryke. 2,586,712, Feb. 19.
Underreamer. J. G. Brodhead and S. P. Roddy. 2,621,898, Dec. 16.
Underreamer. R. Waddington. 2,620,166, Dec. 2.
Undershirt, Ventilating and insulating. E. A. Kostopoulos. 2,610,496, Sept. 16.
Underslip, Lady's. B. and J. Kramer. 2,614,257, Oct. 21.
Undersling automobile carrier. A. D. Cohen. 2,607,518, Aug. 19.
Underwater constructions. C. Goodman. 2,587,835, Mar. 4.
Underwater cutting torch. T. J. Skailes and R. R. Zimmer. 2,616,489, Nov. 4.
Underwater exhaust and drive shaft housing for outboard motors. E. C. Kiekhaefer. 2,609,782, Sept. 9.
Underwater explosion gauge. J. S. McCorkle. 2,583,004, Jan. 22.
Underwater gravity surveying, Method and apparatus for. W. D. Mounce. 2,595,092, Apr. 29.
Underwater mining device. K. O. F. Jacobsen. 2,605,090, July 29.
Underwater transducer. F. Massa. 2,613,261, Oct. 7.
Underwing fueling connection. J. S. Pinarie. 2,588,869, Mar. 11.
Undistorted negative patterns of animal hides. F. R. Nissel. 2,607,664, Aug. 19.
Unidirectional fluid pressure mechanism. R. E. Seidle. 2,616,396, Nov. 4.
Unidirectional gear train. I. K. Fog. 2,587,986, Mar. 4.
Unidirectional wire grinder of the dragged workpiece type and method. L. Illmer. 2,612,004, Sept. 30.
Uniform cap. H. Lev. 2,617,111, Nov. 11.
Uniform pressure absorption evaporator. W. L. Edel. 2,598,240, May 27.
Uniform strand tension device. R. D. Heffelfinger. 2,586,037, Feb. 19.
Uniform strand tension device. R. D. Heffelfinger and J. A. Truitt. 2,586,038, Feb. 19.
Uniform strand tension device. J. A. Truitt. 2,586,123, Feb. 19.
Uniformly positioned seals for regenerative heaters. A. Jensen. 2,607,565, Aug. 19.
Uniformly spray coating. T. M. Knowland and G. D. Marcy. 2,588,125, Mar. 4.
Uniformly tensioning an advancing strand, Method and apparatus for. C. O. Haase. 2,594,427, Apr. 29.

Union having pressure responsive seal. D. J. Parmesan. 2,610,870, Sept. 16.
Unit desiccator. T. H. Urdahl. 2,621,753, Dec. 16.
Unit equipment for successively treating and refining of food and analogous materials. J. Marco. 2,605,086, July 29.
Unit for adapting firearms to air gun operation. J. Bertschinger. 2,605,756, Aug. 5.
Unit heater. B. Spieth. 2,600,933, June 17.
Unit type filter. E. J. Griffiths. 2,602,548, July 8.
Unitary body frame construction. R. G. Heyl, Jr. 2,613,986, Oct. 14.
Unitary condenser lens assembly mounting means for projectors. D. I. Critoph. 2,600,975, June 17.
Unitary cooky cutter. I. P. W. Nord. 2,612,123, Sept. 30.
Unitary device for selectively actuating multiple triggers. W. M. Fay. 2,586,317, Feb. 19.
Unitary mechanism for performing multiple simultaneous and successive operations. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,585,216, Feb. 12.
Unitary propelling handle and filter assembly for suction cleaners. J. E. Vance. 2,605,493, Aug. 5.
Unitary self-adjusting handle. A. J. Hayden. 2,610,885, Sept. 16.
Unitary trigger, sear, bolt stop, and cartridge ejector. L. F. Muino. 2,618,878, Nov. 25.
Unitary work holder. W. Nipken. 2,623,440, Dec. 30.
Uniting parts by electrode position. S. F. Varian. 2,608,529, Aug. 28.
Uniting warps, Method and apparatus for. R. Welch. 2,585,708, Feb. 12.
Universal action fifth wheel. H. Ketel. 2,618,488, Nov. 18.
Universal centering vise. F. Skay. 2,612,821, Oct. 7.
Universal chuck. J. C. Harvey. 2,598,165, May 27.
Universal chuck, Power-operated. T. W. Barnes. 2,597,280, May 20.
Universal chuck vice. A. A. Muehling. 2,594,057, Apr. 22.
Universal combination fuel and vacuum pump. M. Katcher. 2,621,594, Dec. 16.
Universal connecting block for regulators. T. H. Thorn. 2,606,051, Aug. 5.
Universal coupling. E. Camerino. 2,587,819, Mar. 4.
Universal coupling. V. C. Huntington. 2,599,329, June 3.
Universal diaphragm valve. B. R. Roberts. 2,619,983, Dec. 2.
Universal driving connection. L. Iversen. 2,618,941, Nov. 25.
Universal electric fixture hanger. C. E. Mosley. 2,592,315, Apr. 8.
Universal feed cover plate for sewing machines. J. P. Enos. 2,593,864, Apr. 22.
Universal gas torch cutting machine. R. F. Helmkamp. 2,617,644, Nov. 11.
Universal halter. J. O. Mundell. 2,622,381, Dec. 23.
Universal indicator. A. P. Payamps. 2,607,990, Aug. 26.
Universal instrument and bearing cleaner. E. H. Rustin. 2,603,228, July 15.
Universal joint. J. P. Butterfield. 2,609,673, Sept. 9.
Universal joint. R. Chilton. 2,608,839, Sept. 2.
Universal joint. A. Y. Dodge. 2,618,942, Nov. 25.
Universal joint. A. F. Greiner. 2,597,240, May 20.
Universal joint. S. Kiss. 2,595,529, May 6.
Universal joint. W. F. Sindelar. 2,617,277, Nov. 11.
Universal joint. E. Wildhaber. 2,599,596, June 10.
Universal joints, Making. W. A. Flumerfelt. 2,618,049, Nov. 18.
Universal keyway and slotter attachment. S. R. Keller. 2,596,695, May 13.
Universal link. C. W. Kampfer. 2,619,843, Dec. 2.
Universal manipulator for grasping tools. C. M. Gordon. 2,595,134, Apr. 29.
Universal motion actuator. A. R. Koch, Jr. 2,612,049, Sept. 30.
Universal oil filter mounting for hydraulic machine tools. O. J. Abbott, Jr. 2,619,231, Nov. 25.
Universal phonograph tone arm. M. Palo and A. L. Dvorsky. 2,601,126, June 17.
Universal pipe connection for spill burners. F. H. Carey. 2,595,566, May 6.
Universal printing process cylinder and making the same. W. C. Huebner. 2,615,389, Oct. 28.
Universal reproducing stylus. J. D. Reid. 2,584,922, Feb. 5.
Universal scratch gauge. R. R. Winter. 2,587,799, Mar. 4.
Universal sheave bracket assembly. D. F. Roe. 2,581,298, Jan. 1.
Universal single insulator mounting for high-voltage electrical devices. C. H. Baker. 2,606,954, Aug. 12.
Universal tractor and implement cab. W. C. Wilson. 2,583,918, Jan. 29.
Universal type spring-pressed binding post. A. N. A. Melchior. 2,599,006, June 3.
Universal weigher and bagger. R. S. Grant. 2,614,787, Oct. 21.
Universal wire die machine. F. M. Potter and R. M. Hartman. 2,616,410, Nov. 4.
Unloader for compressors. J. H. Anderson. 2,586,902, Feb. 26.
Unloader for hydraulic pumps. C. C. Le Clair. 2,619,979, Dec. 2.
Unloader for sleeve valve gas compressors. C. B. Smith. 2,594,815, Apr. 29.
Unloader valve. J. Jerome. 2,621,598, Dec. 16.
Unloading adapter. N. S. Blaydes. 2,620,817, Dec. 9.
Unloading apparatus. S. O. Jakobsen. 2,620,236, Dec. 2.
Unloading apparatus for dump trucks. L. S. Wall. 2,584,069, Jan. 29.
Unloading assembly for wagon boxes. O. L. Kringle. 2,601,618, June 24.
Unloading device. F. J. Rynders. 2,615,544, Oct. 28.
Unloading jack. E. F. and A. C. Bishman. 2,599,741, June 10.
Unloading mechanism for concrete block molding machines. C. W. Claytor and J. W. Hendricks. 2,612,276, Sept. 30.
Unloading valve. G. A. Cormier. 2,614,580, Oct. 21.
Unsaturated acid esters of oxyalkylated phenol-aldehyde resins. M. De Groote and B. Keiser. 2,581,390, Jan. 8.
Unsaturated aldehydes, Manufacture of. E. P. Goodings and D. J. Hadley. 2,593,437, Apr. 22.
Unsaturated carbinol and preparing same. R. M. Evans. 2,622,102–4, Dec. 16.
Unsaturated carbinol and preparing the same. I. M. Heilbron, B. C. L. Weedon, E. R. H. Jones, B. A. Hems, and A. B. A. Jansen. 2,608,588, Aug. 26.
Unsaturated carbinol related to vitamin A and preparing same. I. M. Heilbron, B. C. L. Weedon, E. R. H. Jones, B. A. Hems, and A. B. A. Jansen. 2,591,811, Apr. 8.
Unsaturated carbonyl compounds, Production of. E. Arundale and H. O. Mottern. 2,620,357, Dec. 2.
Unsaturated carbonylic compounds, Production of. R. M. Cole, C. L. Dunn, and G. J. Pierotti. 2,606,932–3, Aug. 12.
Unsaturated diesters of hydrazodicarbonic acid and polymers thereof. L. N. Whitehill and W. M. McLamore. 2,583,980, Jan. 29.
Unsaturated ethers of polyhydric alcohols and polymers thereof. J. R. Roach and H. Wittcoff. 2,585,035, Feb. 12.
Unsaturated fluorine-containing alicyclic ethers, Production of. R. P. Ruh. 2,613,228, Oct. 7.
Unsaturated hydrocarbons. R. Conrad. 2,619,511, Nov. 25.
Unsaturated hydrocarbons, Producing. D. R. Blumer. 2,613,233, Oct. 7.
Unsaturated ketone acids and esters. J. Nichols. 2,623,888, Dec. 30.
Unsaturated ketones, Preparation of. W. G. Toland. 2,623,073, Dec. 23.
Unsaturated quaternary ammonium halides of certain saturated heterocyclics and preparation. G. B. Butler and R. L. Bunch. 2,611,768, Sept. 23.
Unsaturated steroid alcohols, Preparation of. R. B. Wagner and J. A. Moore. 2,616,903, Nov. 4.
Unscrambler and spacer. M. H. Behrens. 2,600,726, June 17.
Unsharp mask in electronic color correction. V. C. Hall. 2,606,245, Aug. 5.
Unsheathed safety explosive composition. A. J. Lowe. 2,613,146, Oct. 7.
Unsymmetrical deflection yoke. R. R. Thalner. 2,616,056, Oct. 28.
Unsymmetrical disazo dyestuffs. A. F. Strobel and W. W. Williams. 2,584,935, Feb. 5.
Up-ender. W. C. Roe. 2,600,577, June 17.
Upflow pressure diatomite filtering apparatus. H. A. Ackley and R. N. Perkins. 2,600,458, June 17.
Uplift type theater chair. I. R. Bromagem. 2,610,668, Sept. 16.
Upsetting shafts and the like. A. B. White. 2,598,868, June 3.
Upholstering. B. J. Naughton, Jr. 2,612,941, Oct. 7.
Upholstering tool. C. W. Gant. 2,608,793, Sept. 2.
Upholstery fastening means for furniture. W. P. Bott. 2,612,213, Sept. 30.
Upholstery support pad. W. A. Clark and L. A. Young. 2,582,479, Jan. 15.
Upholstery tuft fastener. E. D. Oram. 2,592,725, Apr. 15.
Upholstery unit. H. G. Morner. 2,614,272, Oct. 21.
Upper cylinder lubricator. F. M. Stewart. 2,608,187, Aug. 26.
Upper securing device for tension screens. D. J. Rust and J. H. Jensen. 2,599,725, June 10.
Uranium-aroyl aldehyde complexes and making same. H. I. Schlesinger and H. C. Brown. 2,596,047, May 6.
Uranium borohydride and making the same. H. I. Schlesinger and H. C. Brown. 2,600,370, June 10.
Uranium chlorides, Producing. C. D. Wilder. 2,582,941, Jan. 15.
Uranium purification as complexes of esters of trifluoroacetoacetic acid. H. I. Schlesinger and H. C. Brown. 2,614,113, Oct. 14.
Urea aldehyde resin and producing the same. F. Köhler. 2,600,780, June 17.
Urea derivatives and their preparation. E. M. Schultz. 2,605,285, July 29.
Urea formaldehyde lacquer compositions, Preparing. E. M. Evans and R. W. H. Wicking. 2,600,100, June 10.
Urea resins containing dimethylamino substituents. R. W. Auten and V. C. Meunier. 2,605,253, July 29.
Ureter block for use in pyelograms. D. R. Stanford. 2,602,444, July 8.

Urinal attachment for nursery toilets. P. D. La Hue. 2,592,040, Apr. 8.
Urinal device. W. J. Butcher. 2,600,478, June 17.
Urn, Coffee. L. Svendsgaard. 2,592,761, Apr. 15.
Urn for making coffee and the like, Twin. F. C. Ehrenreich and H. W. Anderson. 2,586,152, Feb. 19.
Urn, Sand. L. H. Franklin. 2,592,676, Apr. 15.
Uronic acids and derivatives thereof, Preparation of. D. H. Couch and E. A. Cleveland. 2,592,249, Apr. 8.
Use of a flexible sleeve in the cementation of boreholes. A. B. Hildebrandt. 2,607,423, Aug. 19.
Use of a mixture of a diamide of a carbonic acid and an epoxy compound to stabilize a halogen containing material. H. T. Voorthuis. 2,595,619, May 6.
Use of carbalkoxy hydroxy benzocoumarin against fungi. M. Silverman and B. Heinemann. 2,596,107, May 13.
Use of cationic surface active agent in preparation of anionic resin in bead form. L. A. Lundberg. 2,614,085, Oct. 14.
Use of diphenylol propane in esterification and ester products. W. F. Fischer, F. Knoth, Jr., and R. G. Newberg. 2,593,428, Apr. 22.
Use of mercaptans in copolymerization of vinyl sulfides with acrylonitrile. W. R. Conard and C. E. Best. 2,605,256, July 29.
Use of methanol in emulsion polymerization. C. F. Fryling and J. E. Troyan. 2,609,366, Sept. 2.
Use of nonionic surface active agent in preparation of anionic resin in bead form. L. A. Lundberg. 2,610,156, Sept. 9.
Use of petroleum sulfonates in preparation of resinous condensation products in bead form. L. A. Lundberg. 2,610,170, Sept. 9.
Use of phosphites in esterification reactions of synthetic alcohols. B. E. Hudson, Jr., H. L. Wilson and J. F. Nelson. 2,612,515, Sept. 30.
Use of spent Fischer-Tropsch catalyst for manufacture of carbon monoxide-hydrogen synthesis gas. B. J. Mayland. 2,598,186, May 27.
Used cup disposal means. N. H. Nelson, and S. D. Polsen. 2,617,355, Nov. 11.
Utensil, Broiling. V. J. Runnoe. 2,594,500, Apr. 29.
Utensil, Citrus fruit. J. W. Smith. 2,591,973, Apr. 8.
Utensil, Cooking. R. J. Braski and F. C. Schwaneke. 2,597,695, May 20.
Utensil, Cooking. A. V. Carriker. 2,604,227, July 22.
Utensil, Cooking. J. N. Denel. 2,588,494, Mar. 11.
Utensil, Cooking. F. E. Hummel. 2,618,219, Nov. 18.
Utensil, Cooking. J. H. Keating. 2,595,361, May 6.
Utensil, Cooking. K. K. K. Kroyer. 2,618,258, Nov. 18.
Utensil, Culinary. L. M. Lyons. 2,595,684, May 6.
Utensil, Dispensing. A. G. Goodnight. 2,615,405, Oct. 28.
Utensil for slicing and cutting articles of food, Kitchen. L. C. Schaeffer. 2,596,604, May 13.
Utensil, Fruit-coring. P. G. Burch. 2,612,687, Oct. 7.
Utensil, Kitchen. R. S. Harnsberger. 2,593,674, Apr. 22.
Utensil lifter. B. Ames. 2,607,619, Aug. 19.
Utensil, Portable dust collecting. E. Davie. 2,621,497, Dec. 16.
Utensil, Pressure cooking. S. E. Richeson and J. A. Allegro. 2,594,584, Apr. 29.
Utensil, Serving. I. C. Crimmins. 2,594,403, Apr. 29.
Utensil washing apparatus. B. A. Moore and W. N. Swinney. 2,622,608, Dec. 23.
Utensil washing machine. G. W. Johnson. 2,600,541, June 17.
Utensil with copper skirt, Cooking. J. Heller. 2,605,928, Aug. 5.
Utility appliance. A. von Haase. 2,607,232, Aug. 19.
Utility attachment for fishing creels. J. Angelo. 2,596,974, May 20.
Utility chest and pipe bench, Plumber's. W. Fleming. 2,610,761, Sept. 16
Utility container. J. W. and V. R. Jaquette. 2,606,652, Aug. 12.
Utility cutter. M. Polak. 2,593,601, Apr. 22.
Utility garden tool. W. M. Walters, Jr., and W. J. Sampson. 2,593,944, Apr. 22.
Utility rack. L. A. Bell. 2,614,698, Oct. 21.
Utility stand. K. W. Maynard and J. C. Weidel. 2,602,615, July 8.
Utility vehicle with tilting lift frame. E. A. Wagner. 2,617,628, Nov. 11.
Utilization of blast furnace slag in rotary cement furnaces. H. W. Mooser. 2,600,515, June 17.
Utilization of glue water from herring oil and fish meal factories, whale stations, and the like. M. Fladmark. 2,623,298, Dec. 30.
Utilization of heat in vaporized fuel burners. K. Parr. 2,623,578, Dec. 30.
Utilization of heat of finely divided solids. H. J. Ogorzaly and W. A. Rex. 2,581,041, Jan. 1.
Utilization of oxo bottoms. J. J. Owen and E. V. Fasce. 2,594,341, Apr. 29.
Utilization of the gas washing lye from aluminum electrolysis in cryolite production. H. Dale. 2,597,302, May 20.
Utilizing prepared oil-bearing material as a filtering agent in solvent extraction by continuous countercurrent flow. M. Bonotto. 2,608,565, Aug. 26.
Utilizing waste products of the manufacture of 2-chlorobutadiene-1,3. S. Landa and O. Němeček. 2,605,166, July 29.
V-belt having metallic neutral axis. E. L. Luaces and M. A. Crosby. 2,621,528, Dec. 16.
V belt power transmission system. D. L. Kessler and W. S. Worley. 2,590,182, Mar. 25.
V-belts, Making. D. L. Waugh. 2,607,713, Aug. 19.
V groove pulley centrifugal clutch. M. H. Davis. 2,612,054, Sept. 30.
Vacciuation appliance. S. R. Rosenthal. 2,619,962, Dec. 2.
Vaccinator. R. P. Del Pico. 2,617,418, Nov. 11.
Vaccine and manufacturing the same. A. H. Killinger and J. R. Dick. 2,594,180, Apr. 22.
Vaccine manures for agricultural soils, Preparation of. A. Becker. 2,608,480, Aug. 26.
Vaccines, Method and apparatus for producing. W. W. Kay. 2,595,793, May 6.
Vacuum booster for internal-combustion engines. J. C. Holmes. 2,615,299, Oct. 28.
Vacuum breaker. F. Carlton and L. L. Snyder. 2,600,731, June 17.
Vacuum breaker. A. C. Dobrick. 2,590,386, Mar. 25.
Vacuum bodying process. K. C. D. Hickman and E. S. Barnitz. 2,599,451, June 3.
Vacuum center table for planers. J. C. Petter. 2,595,483, May 6.
Vacuum check valve. J. C. Denis. 2,603,494, July 15.
Vacuum cleaner. G. H. Cranmer. 2,590,235, Mar. 25.
Vacuum cleaner. H. A. Kroenlein. 2,594,456, Apr. 29.
Vacuum cleaner. G. E. Lofgren and A. Peterson. 2,591,567, Apr. 1.
Vacuum cleaner. C. H. Sparklin. 2,586,876, Feb. 26.
Vacuum cleaner. J. P. Wied. 2,597,690, May 20.
Vacuum cleaner air nozzle and adjustable brush therefor. F. G. Walker. 2,613,388, Oct. 14.
Vacuum cleaner attachment for use in cleaning Venetian blinds. T. J. and J. Ventsias. 2,611,917, Sept. 30.
Vacuum cleaner attachment having a variable size inlet. T. W. Ott. 2,619,315, Nov. 25.
Vacuum cleaner carrier. H. Levy. 2,611,149, Sept. 23.
Vacuum cleaner dolly. A. J. W. Fontaine. 2,607,945, Aug. 26.
Vacuum cleaner dust bag. L. P. Borkoski. 2,596,806, May 13.
Vacuum cleaner for barber chairs. C. E. Bezanson. 2,590,673, Mar. 25.
Vacuum cleaner having automatic nozzle adjustment, Sweeper type. J. B. Kirby. 2,592,710, Apr. 15.
Vacuum cleaner nozzle and attachment therefore. C. E. Meyerhoefer. 2,616,118, Nov. 4.
Vacuum cleaner nozzle brush attachment. C. H. MacFarland. 2,594,189, Apr. 22.
Vacuum cleaner support. C. C. Batts. 2,595,752, May 6.
Vacuum cleaner unit, Portable. G. P. Stetser. 2,605,043, July 29.
Vacuum cleaner with detachable reel-and-handle unit. B. J. Tamarin. 2,591,214, Apr. 1.
Vacuum cleaner with height adjustment. E. P. Turner. 2,600,141, June 10.
Vacuum cleaner with nozzle and dust separating means in a common housing. A. H. Fuller. 2,618,007, Nov. 18.
Vacuum cleaner with rotary floating dust brush supported solely from the mid-point. W. O. Langille, H. A. Shumaker, and E. P. Turner. 2,581,962, Jan. 8.
Vacuum cleaner with sterilizing means. J. P. Buckey. 2,590,152, Mar. 25.
Vacuum coating process and apparatus therefor. G. H. Bancroft. 2,584,660, Feb. 5.
Vacuum control system. W. W. Kraft. 2,584,211, Feb. 5.
Vacuum filling machine. I. H. Risser. 2,598,441, May 27.
Vacuum flask, Jacketed. E. Venis. 2,601,573, June 24.
Vacuum flask sealing machine. C. Eisler. 2,593,999, Apr. 22.
Vacuum floor mopper. C. K., Sr., and C. K. Brown, Jr. 2,617,138, Nov. 11.
Vacuum gauge. F. Todd. 2,584,945, Feb. 5.
Vacuum gravity press. V. E. Heywood. 2,600,164, June 10.
Vacuum grip rail anchor. H. T. Jones. 2,609,991, Sept. 9.
Vacuum handling device. H. H. Lenhart. 2,620,217, Dec. 2.
Vacuum ignition mechanism. M. Sterner. 2,621,641, Dec. 16.
Vacuum head for filling containers with powders. C. F. Carter. Re. 23,504, May 27.
Vacuum neutralization of detergents. A. C. Stoneman. 2,613,218, Oct. 7.
Vacuum pack machine. F. G. Pasotti. 2,614,739, Oct. 21.
Vacuum packaging of meat. S. R. Grinstead. 2,623,826, Dec. 30.
Vacuum printing frame. B. R. Halpern. 2,594,920, Apr. 29.
Vacuum producing apparatus. A. J. Lippold. 2,606,714, Aug. 12.
Vacuum pump. A. P. Colaiaco and D. L. Hopper. 2,608,343, Aug. 26.
Vacuum pump suction control. D. B. Banks. 2,613,026, Oct. 7.
Vacuum pumping apparatus. J. H. Black and H. G. Warren. 2,591,334, Apr. 1.

Vacuum regulator for milking systems. W. A. Scott. 2,613,759, Oct. 14.
Vacuum sander. G. J. Wolford and G. R. Klapprodt. 2,616,744, Nov. 4.
Vacuum seed selector and planter. R. A. Bolen. 2,605,017, July 29.
Vacuum separator. L. G. McLean. 2,621,792, Dec. 16.
Vacuum system leak detector. S. M. MacNeille. 2,600,891, June 17.
Vacuum-tight glass-metal joint for vessels containing cesium vapor. W. Spiimler and J. Bacher. 2,617,068, Nov. 4.
Vacuum treating process. A. H. Heineman. 2,593,445, Apr. 22.
Vacuum tube. S. Freedman and G. F. Bonardi. 2,594,005, Apr. 22.
Vacuum tube characteristic tracer. J. G. Miles. 2,612,626, Sept. 30.
Vacuum tube comparator. W. P. Moland and H. H. Ferris. 2,590,116, Mar. 25.
Vacuum tube electrode element. F. E. Bash. 2,586,768, Feb. 26.
Vacuum tube keying circuit. J. C. Seddon. 2,610,294, Sept. 9.
Vacuum tube keying of resistance coupling amplifier. C. B. Coleman. 2,605,402, July 29.
Vacuum tube oscillator system. M. Morrison. 2,587,750, Mar. 4.
Vacuum tube regulating apparatus. W. M. Smith. 2,584,748, Feb. 5.
Vacuum tube socket assembly, Nonmicrophonic. B. Fox. 2,590,001, Mar. 18.
Vacuum tube socket terminal structure. R. R. Scoville. 2,604,584, July 22.
Vacuum tube with ultrahigh frequency. V. A. Altovsky and G. Goudet. 2,621,304, Dec. 9.
Vacuum type dust collector apparatus for filling containers with comminuted material. J. Balla, Jr. 2,587,089, Feb. 26.
Vacuum type food container. J. P. Hansen and F. A. Wilmot. 2,591,151, Apr. 1.
Vacuum valve. H. Nelson. 2,615,670, Oct. 28.
Vacuum well cleaner. J. J. Santiago. 2,588,578, Mar. 11.
Vaginal applicator. J. L. Jones. 2,616,422, Nov. 4.
Vaginal douche. R. K. Story, Jr. 25,87,784, Mar. 4.
Valance, curtain and drapery fixture, and accessory. M. Nealis. 2,595,478, May 6.
Value setting, printing, and registering device. F. J. Rouan and B. Knauer. 2,612,104, Sept. 30.

Valve: *See*—
Adjustable fluid metering valve.
Adjustable magnetic pressure valve.
Aerodynamic valve.
Aerosol bomb valve.
Aircraft equalizing brake control valve.
Air line automatic drain valve.
Air regulator valve.
Air valve.
Air vent valve.
Antibackflow valve.
Antiscald and proportioning valve.
Aperiodic electronic blocking valve.
Arrester trap float valve.
Automatic air pressure safety valve.
Automatic air valve.
Automatic charging and vent valve.
Automatic choke valve.
Automatic cutoff valve.
Automatic cycling valve.
Automatic drain valve.
Automatic fire and earthquake responsive cutoff valve.
Automatic float transfer valve.
Automatic multiple sampling valve.
Automatic sealing gate valve.
Automatic shut-off dispensing nozzle valve.
Automatic shutoff fuel valve.
Automatic shutoff valve.
Automatic spring-pressed needle expansion valve.
Automatic stop and vent valve.
Automatic tank fill valve.
Automatic tire tube air valve.
Automatic valve.
Automatic water valve.
Automatically vented liquid flow regulating valve.
Auxiliary fluid supply valve.
Axially movable rotary valve.
Back-pressure valve.
Backwater valve.
Balanced fluid pressure regulating valve.
Balanced three-way valve.
Ball cock valve.
Balloon inflating valve.
Brake control valve.
Brake selector valve.
Butterfly valve.
By-product coke oven standpipe valve.
Cam actuated diaphragm sealed valve.
Cam actuated selector valve.
Cam actuated valve.
Cellar drain valve.
Centrifugally actuated fluid control valve.
Check valve.
Combination check and block valve.
Combination main and pilot valve.
Compressor intake valve.
Compressor valve.
Concentric type valve.
Condensate unloader valve.
Constant flow valve.
Control valve.
Corrosion resisting safety valve.
Curie paint valve.
Diaphragm valve.
Differential flow valve.
Differential pressure relief valve.
Discharge valve.
Disposable plastic valve.
Distributing valve.
Diverter valve.
Double check quick filler valve.
Drain valve.
Drainage valve.
Dry pipe valve.
Dual fuel valve.
Dump valve.
Electrically operated fluid release valve.
Electromagnetic reset valve.
Electromagnetic valve.
Electromagnetically controlled valve.
Emergency valve.
Excess flow check valve.
Expansible sleeve type valve.
Expansion valve.
Filler valve.
Filling machine with rotary valve.
Float operated measuring valve.
Float operated valve.
Floor furnace valve.
Flow control valve.
Flow regulating valve.
Fluid actuated control valve.
Fluid control valve.
Fluid dispensing valve.
Fluid flow control valve.
Fluid mixing valve.
Fluid pressure actuated valve.
Fluid pressure control valve.
Fluid pressure controlled flexible tube valve.
Fluid pressure differential responsive cutoff valve.
Fluid pressure operated flow control valve.
Fluid pressure operated inflation control valve.
Fluid pressure operated multiway valve.
Fluid valve.
Flush tank ball valve.
Flush tank inlet valve.
Flush tank valve.
Flush valve.
Flushing valve.
Fuel injection valve.
Fuel regulating and safety shutoff valve.
Fuse type hydraulic valve.
Gas control valve.
Gas valve.
Gasoline economizer valve.
Gate valve.
Glass valve.
Glass controlled dispensing valve.
Grenade launcher valve.
High-pressure valve.
Hot-gas valve.
Hydraulic control valve.
Hydraulic coupling valve.
Inflation valve.
Irrigation valve.
Lift plug valve.
Liquid flow controlling valve.
Liquid retaining check valve.
Locking stem adjustment valve.
Lubricant measuring valve.
Lubricated globe valve.
Lubricated plug valve.
Lubricated valve.
Magnetic air valve.
Magnetic changeover valve.
Manually adjustable choke valve.
Manually and automatically operated valve.
Manually operated backwater sewer valve.
Master cylinder relief valve.
Measuring valve.
Metering valve.
Mixing and flow controlling valve.
Mixing valve.
Motor-driven blowoff valve.
Multiple port valve.
Multiple rate valve.
Multiport rotary disk valve.
Multiport rotary plate valve.
Multipurpose control valve.
Multistage sleeve valve.
Needle valve.
Nondrip valve.
Nonmechanical solids valve.
Nozzle valve.
Oil routing valve.
Operating valve.
Packed valve.
Pendulum-type ball check valve.
Permanent magnet operated valve.
Piercing valve.
Pilot controlled diaphragm-type valve.
Pilot controlled gate and by-pass valve.
Pilot controlled multiport valve.
Pilot operated diaphragm valve.
Pilot operated fluid pressure control valve.
Pilot operated solenoid controlled valve.
Pilot-operated valve.
Pilot or relay valve.
Pilot relay valve.
Pilot valve.
Pilot valve controlled tracer valve.
Pinch valve.
Piston valve.
Plug-type valve.
Plug valve.
Pop-type safety valve.
Poppet valve.
Positive closure plug valve.
Positive shutoff valve.
Poultry drinking valve.
Poultry fountain water valve.
Power-operated check valve.
Pressure and vacuum relief valve.
Pressure control valve.
Pressure cooker relief valve.
Pressure equalizing valve.
Pressure operated reciprocating valve.
Pressure reducing valve.
Pressure reduction valve.
Pressure-regulating valve.
Pressure relief valve.
Pressure sealed relief valve.
Pressure seated reversing valve.
Pressure-vacuum control valve.
Pump valve.
Push type reversing valve.
Quick-acting diaphragm operated gate valve.
Quick-acting gate valve.
Quick-acting gear actuated pivoted valve.
Quick-closing substantially balanced gate valve.
Quick-exhausting valve.
Rapid operating poppet air valve.
Rate valve.
Reaction type valve.
Reciprocating valve.
Regulating valve.
Regulator valve.
Relay emergency air brake valve.
Release valve.
Relief valve.
Resilient seal safety valve.
Restricting valve.
Rotary disk valve.
Rotary plug valve.
Rotary plug wall valve.
Rotary transfer valve.
Rotary valve.
Safety control valve.
Safety valve.
Selector valve.
Self air-escaping floating valve.
Self-cleaning valve.
Self-equalizing thermal valve.

Valve: *See*—Continued.
Self-renewing valve.
Self-venting valve.
Send valve.
Sensitive hydraulic tracer valve.
Shear relief valve.
Shock absorber valve.
Shock operated fluid valve.
Shutoff valve.
Silent closing pilot-operated valve.
Single mixing valve.
Slide valve.
Snap-action relief valve.
Snap-action valve.
Soap dispensing valve.
Solenoid actuated valve.
Solenoid actuating reversing valve.
Solenoid gas valve.
Solenoid-operated gas valve.
Solenoid operated valve.
Solenoid valve.
Speed and aneroid controlled pilot operated valve.
Sprayer stop valve.
Spring biased relief valve.
Spring check valve.
Spring plate valve.
Spud valve.
Steam engine valve.
Steam locomotive admission and exhaust piston valve.
Surge valve.
Tamperproof plug valve.
Tamperproof valve.
Tangential cylinder valve.
Tank shutoff valve.
Temperature and volume control valve.
Temperature control valve.
Temperature - responsive throttling valve.
Thermionic valve.
Thermoelectric gas valve.
Thermo safety valve.
Thermostatic mixing valve.
Thermostatic regulating valve.
Thermostatic valve.
Thermostatically actuated pilot operated valve.
Thermostatically controlled mixing valve.
Thermostatically controlled valve.
Thermostatically operated valve.
Three-position, four-way selector valve.
Three-way ball valve.
Three-way valve.
Tire inflation-relief valve.
Tire valve.
Toilet flush tank float valve.
Tracer control valve.
Transfer valve.
Trough or tank water level table valve.
Two-stage hydraulic control valve.
Two-way valve.
Universal diaphragm valve.
Unloader valve.
Unloading valve.
Vacuum check valve.
Vacuum valve.
Variable throat restricter valve.
Vertical - horizontal ball check valve.
Vessel filling valve.
Water softening system valve.

Valve. W. F. Albrecht. 2,582,370, Jan. 15.
Valve. H. Allen. 2,606,740, Aug. 12.
Valve. H. Allen. 2,607,557, Aug. 19.
Valve. C. M. Barnes. 2,593,522, Apr. 22.
Valve. J. Barsano. 2,604,113, July 22.
Valve. R. F. Beck. 2,590,368, Mar. 25.
Valve. D. E. and W. N. Beckett. 2,586,906, Feb. 26.
Valve. W. F. Berck. 2,593,527, Apr. 22.
Valve. C. E. Bodey. 2,590,674, Mar. 25.
Valve. C. E. Crawford. 2,616,656, Nov. 4.
Valve. R. R. Curtis. 2,621,677, Dec. 16.
Valve. W. P. Dalrymple. 2,599,898, June 10.
Valve. W. P. Dalrymple. 2,600,976, June 17.
Valve. L. A. Dickens. 2,621,969, Dec. 16.
Valve. S. M. Dunn. 2,608,204, Aug. 26.
Valve. F. Ernest. 2,615,668, Oct. 28.
Valve. L. H. Gardner 2,617,444, Nov. 11.
Valve. H. U. Garrett and C. M. Peters. 2,620,740, Dec. 9.
Valve. R. C. Griffith. 2,581,855, Jan. 8.
Valve. W. Harrower. 2,591,429, Apr. 1.
Valve. C. F. Hartman. 2,585,773, Feb. 12.
Valve. P. R. Hay. 2,599,828, June 10.
Valve. J. Heinen. 2,596,075, May 6.
Valve. J. C. Hobbs. 2,617,621, Nov. 11.
Valve. R. F. Hollis. 2,590,318, Mar. 25.
Valve. W. L. Huntington and M. G. Sogge. 2,604,107, July 22.
Valve. H. M. Jensen and H. K. Bouvier. 2,594,173, Apr. 22.
Valve. C. H. Kain. 2,580,433, Jan. 1.
Valve. W. J. Klene. 2,582,042, Jan. 8.
Valve. E. A. Kliewer, Sr. 2,600,115, June 10.
Valve. H. J. Knaggs. 2,613,688, Oct. 14.
Valve. B. W. Mantle. 2,607,365, Aug. 19.
Valve. D. Mapes. 2,602,466, July 8.
Valve. D. Mapes. 2,607,367, Aug. 19.
Valve. J. Maynard. 2,612,337, Sept. 30.
Valve. H. W. McPherson. 2,587,357, Feb. 26.
Valve. F. W. McRae. 2,587,358, Feb. 26.
Valve. R. L. Meyer. 2,598,187, May 27.
Valve. J. W. Miller. 2,595,160, Apr. 29.
Valve. O. P. Monson. 2,583,869, Jan. 29.
Valve. F. H. Morehead. 2,608,374, Aug. 26.
Valve. R. A. Mueller. 2,588,149, Mar. 4.
Valve. R. H. Mueller. 2,614,852, Oct. 21.
Valve. T. A. Olson. 2,603,447, July 15.
Valve. W. S. Petschke. 2,602,630, July 8.
Valve. J. D. Ralston. 2,619,116, Nov. 25.
Valve. I. M. Ridley. 2,608,801, Sept. 2.
Valve. H. S. Ross. 2,596,869, May 13.
Valve. J. Sainsbury and W. E. Hennels. 2,611,391, Sept. 23.
Valve. J. C. Slonneger. 2,599,872, June 10.
Valve. W. H. Speck. 2,592,352, Apr. 8.
Valve. J. H. Stevenson. 2,622,838, Dec. 23.
Valve. J. H. Stroop. 2,590,593, June 10.
Valve. C. B. Talley. 2,611,388, Sept. 23.
Valve. L. R. Twyman. 2,617,625, Nov. 11.
Valve. C. B. Walden and C. Kravagna. 2,594,525, Apr. 29.
Valve. E. A. Weinberg and G. W. White. 2,610,821, Sept. 16.
Valve actuated by fusible plug. H. J. Margraf and W. F. MacGlashan, Jr. 2,620,815, Dec. 9.
Valve actuating apparatus for actuating valves of steam engines, locomotives, or the like. T. J. Hoy. 2,608,955, Sept. 2.
Valve actuating mechanism. R. C. Ball and H. O. Kron. 2,592,374, Apr. 8.
Valve actuating mechanism. C. Bolling. 2,606,450, Aug. 12.
Valve actuator. H. Mansen. 2,610,511, Sept. 16.
Valve actuator, Flush. M. C. Ansorge. 2,605,479, Aug. 5.
Valve adjusting tool. P. E. Schmidt. 2,599,489, June 3.
Valve and actuating mechanism therefor, Filler. H. D. Ayars. 2,592,846, Apr. 15.
Valve and air charger, Combination. J. E. Piccardo. 2,614,498, Oct. 21.
Valve and associated parts, Fluid pressure control. G. W. Mork and G. Reuter. 2,581,430, Jan. 8.
Valve and attachment, Hydraulic jack operated. W. N. Coolidge and F. W. Geiger. 2,596,532, May 13.
Valve and control means therefor, Reversing. E. W. Pottmeyer. 2,621,049, Dec. 9.
Valve and operating means therefor, Control. J. K. Douglas. 2,617,257, Nov. 11.
Valve and operator therefor, Multiple slide. E. Mercier and M. Ehlinger. 2,593,047, Apr. 15.
Valve and signal for hose nozzles, Automatic shutoff. A. L. Grisé. 2,587,839, Mar. 4.
Valve and switching circuit therefor, Electric delayed-impulse. B. F. Wheeler. 2,608,999, Sept. 2.
Valve and system for the protection of aircraft occupants. D. M. Clark, H. W. Wilder, E. H. Wood, and G. A. Hallenbeck. 2,617,408, Nov. 11.
Valve and the like, Float. P. Spence. 2,587,401, Feb. 26.
Valve and valved conduit installation. D. H. Butler. 2,608,203, Aug. 26.
Valve and water silencer, Combined. J. F. Molloy. 2,588,555, Mar. 11.
Valve apparatus. A. F. Meyer. 2,610,648, Sept. 16.
Valve apparatus for fuel distributing systems. A. H. Lockheed and H. T. Seale. 2,590,333, Mar. 25.
Valve apparatus, Pivoted. M. Smolensky. 2,588,775, Mar. 11.
Valve assembly. J. F. Armstrong and F. A. Kommer. 2,603,444, July 15.
Valve assembly. K. B. Britton. 2,602,627, July 8.
Valve assembly. T. E. Crockett. 2,608,990, Sept. 2.
Valve assembly. R. H. Davies. 2,593,733, Apr. 22.
Valve assembly. H. C. Grant, Jr. 2,611,577, Sept. 23.
Valve assembly. H. C. Meador. 2,585,667, Feb. 12.
Valve assembly. R. L. Ohls. 2,599,774, June 10.
Valve assembly. T. Wheatley. 2,589,176, Mar. 11.
Valve assembly, Check. C. F. Warren. 2,606,032, Aug. 5.
Valve assembly, Dual safety. C. H. Folmsbee and J. M. Martis. 2,608,992, Sept. 2.
Valve assembly, Float controlled. A. R. Vigliotti. 2,623,537, Dec. 30.
Valve assembly for hydraulic control systems, Dual check. E. H. Fletcher. 2,606,031, Aug. 5.
Valve assembly for hydraulic control systems, Dual check. W. H. Worthington. 2,612,375, Sept. 30.
Valve assembly, Pressure relief. M. J. Zimmer. 2,586,759, Feb. 19.
Valve assembly, Power. L. A. Majneri. 2,592,442, Apr. 8.
Valve assembly, Rotatable slide. T. L. Fawick. 2,600,102, June 10.
Valve assembly, Solenoid. S. B. McLeod. 2,586,683, Feb. 19.
Valve automatically guided by a feeling member, Flap. M. Clausen. 2,593,848, Apr. 22.
Valve body with projecting seat. C. A. Glauque. 2,587,569, Feb. 26.
Valve bonnet structure. M. A. Markel and D. MacGregor. 2,610,820, Sept. 16.
Valve cage. D. T. Harbison. 2,590,244, Mar. 25.
Valve cap construction. R. E. Imhoff. 2,614,794, Oct. 21.
Valve chest insert for pressure fluid operated reciprocating engines. J. J. Kupka. 2,593,037, Apr. 15.
Valve clearance gauge. A. F. E. Schemmel. 2,603,878, July 22.
Valve closure. L. A. Mekler. 2,582,877, Jan. 15.
Valve closure means. J. C. Hobbs. 2,603,102, July 15.
Valve combination with cement spraying nozzle, Water injection. R. N. Gillespie, J. K. Mair, and C. J. McNally. 2,585,004, Feb. 12.
Valve connection, Pop-up. S. A. Young. Re. 23,455, Jan. 15.
Valve construction. C. E. Adams. 2,608,376, Aug. 26.
Valve construction. F. J. Ferruzzi. 2,612,339, Sept. 30.
Valve construction. D. E. Harris. 2,612,907, Oct. 7.
Valve construction. J. D. Langdon. 2,612,183, Sept. 30.
Valve construction. I. L. Langvand. 2,594,659, Apr. 29.
Valve construction. D. MacGregor. 2,621,015–16, Dec. 9.
Valve construction. D. MacGregor. 2,622,763, Dec. 23.
Valve construction. F. W. Marsh. 2,589,716, Mar. 18.
Valve construction. I. T. Rosenlund. 2,597,952, May 27.
Valve construction. T. R. Smith. 2,610,021, Sept. 9.

Valve construction. C. E. Snyder. 2,621,700, Dec. 16.
Valve construction. R. M. Witt. 2,601,578, June 24.
Valve construction, Electromagnetic. R. B. Clay and G. A. Goepfrich. 2,616,452, Nov. 4.
Valve construction, Piercing pin. W. B. Kochner. 2,585,253, Feb. 12.
Valve construction. Sediment drain bulb. C. A. Brown. 2,603,236, July 15.
Valve control. M. H. Howard. 2,623,618, Dec. 30.
Valve control, Emergency. C. Sundstrom. 2,591,889, Apr. 8.
Valve control for engine cooling systems. H. Field, Jr. 2,606,539, Aug. 12.
Valve control for the head pressure in refrigerating systems. I. Kramer. 2,621,051, Dec. 9.
Valve control, Gas. A. J. Burklin. 2,609,989, Sept. 9.
Valve control means for flush tanks for toilets. J. Castellano. 2,583,468, Jan. 22.
Valve control means for water softeners, Automatic. H. B. Wolcott, Jr. 2,589,650, Mar. 18.
Valve control mechanism. B. D. Morgan. 2,623,535, Dec. 30.
Valve control mechanism, Demand. B. B. Holmes. 2,608,971, Sept. 2.
Valve control system for blast furnace stoves. O. R. Rice and A. J. Whitcomb. 2,601,979, July 1.
Valve control system for portable pneumatic staplers, A. G. Juilfs. 2,585,940, Feb. 19.
Valve controlling apparatus, Pneumatically actuated. H. N. Rider. 2,590,347, Mar. 25.
Valve cooling. R. Daub. 2,585,540, Feb. 12.
Valve diaphragm. R. McFarland, Jr. 2,615,471, Oct. 28.
Valve device. A. J. Bent. 2,591,118, Apr. 1.
Valve device. I. E. Coffey. 2,590,686, Mar. 25.
Valve device. I. E. Coffey. 2,622,842, Dec. 23.
Valve device. R. Détrez. 2,600,099, June 10.
Valve device. J. G. Donaldson. 2,584,436, Feb. 5.
Valve device. F. J. Mufich and H. S. Ross. 2,596,909, May 13.
Valve device, Combined safety. R. E. L. Trubert. 2,604,901, July 29.
Valve device for controlling fluid operated clutches, Centrifugal. H. Grundgirard. 2,619,978, Dec. 2.
Valve device, Triple. J. Guillemin-Tarayre and A. Neveu. 2,587,041, Feb. 26.
Valve facing apparatus. A. Lervik. 2,589,828, Mar. 18.
Valve fitting and siphon tube. J. H. Stroop. 2,602,463, July 8.
Valve fitting for liquefied gas systems. F. K. Zerbe. 2,623,362, Dec. 30.
Valve fluid control apparatus, Multiple. R. J. Glinn and P. G. Handoll. 2,605,107, July 29.
Valve for air brakes, Feed. E. C. Vroman. 2,589,586, Mar. 18.
Valve for air filters, Relief. C. J. Glanzer. 2,618,289, Nov. 18.
Valve for automobile body heaters. E. Ludlow. 2,615,669, Oct. 28.
Valve for automobile lifts, Control. J. D. Cochin. 2,580,731, Jan. 1.
Valve for brass wind instruments, Portamento. A. Solarz. 2,608,122, Aug. 26.
Valve for centralized lubricating systems, Measuring. J. T. Leonard. 2,612,967, Oct. 7.
Valve for compressed acetylene. A. M. Ackroyd. 2,592,371, Apr. 8.
Valve for compressors, Ring. K. Kehler. 2,604,296, July 22.
Valve for condenser tube blowers, Multiple. W. S. Campbell. 2,593,101, Apr. 15.
Valve for controlling liquid level, Dual. M. L. Sweeney, Jr. 2,619,108, Nov. 25.
Valve for controlling marine steam turbines. C. E. Sederquist. 2,622,617, Dec. 23.
Valve for controlling the flow of fluid to cylinders, Hydraulic. J. R. Kensok. 2,603,192, July 15.
Valve for cyclically operating jet motors, Air inlet. E. B. Myers. 2,605,109, July 29.
Valve for delivering carbonated beverages. N. L. Luster. 2,612,182, Sept. 30.
Valve for die casting machines. L. Ring. 2,618,292, Nov. 18.
Valve for dispensers operated by pressure of the contents, Resilient discharge. E. F. Olsen. 2,583,340, Jan. 22.
Valve for drains, Backwater. E. G. Stoltz, Sr. 2,586,735, Feb. 19.
Valve for expansible chamber windshield wiper motors, Parking. D. H. Stoltenberg. 2,590,475, Mar. 25.
Valve for faucets, Compound outlet. M. H. Duval. 2,582,110, Jan. 8.
Valve for fire-extinguishing system. C. H. Rand and C. G. Aycock. 2,601,900, July 1.
Valve for flexible hose. L. A. Chase. 2,590,290, Mar. 25.
Valve for fluid circuits, Emergency by-pass. R. H. Davies. 2,609,829, Sept. 9.
Valve for fluid-operated motors, Pilot-controlled distributing. C. J. Coberly. 2,580,657, Jan. 1.
Valve for fluid pressure regulators. V. Ey. 2,582,974, Jan. 22.
Valve for fluid pressure systems, Safety. F. and P. J. Brousseau. 2,614,003, Oct. 14.
Valve for fluids. E. F. Cooke, Jr. 2,622,840, Dec. 23.
Valve for flush tanks, Ball. H. O. Curry. 2,602,933, July 15.
Valve for flush tanks, Inlet. H. F. Smith. 2,607,364, Aug. 19.
Valve for flush tanks, Inlet float. H. F. Smith. 2,582,853, Jan. 15.
Valve for fountain stencil brushes. E. S. Garvey. 2,592,136, Apr. 8.
Valve for fuel-feeding systems, Speed responsive. J. C. Balach. 2,596,461, May 13.
Valve for fuel injection systems. E. Davies. 2,608,375, Aug. 26.
Valve for gas burners, Safety control. A. L. Miller. 2,599,903, June 3.
Valve for gas storage tanks, Automatic liquid extraction. R. R. Bayuk and J. A. Mileti, Jr. 2,595,222, May 6.
Valve for grain dividers, Control. W. H. Tanke. 2,605,076, July 29.
Valve for hydraulic apparatus, Control. C. E. Adams. 2,619,118, Nov. 25.
Valve for hydraulic drive transmissions, Control. R. Vestre. 2,618,291, Nov. 18.
Valve for hydraulic machine tools, Back-pressure. R. E. Herrstrum. 2,590,769, Mar. 25.
Valve for hydraulic mechanism, Speed control. E. F. Jirsa, M. Hansen and C. W. Bopp. 2,592,906, Apr. 15.
Valve for hydraulic power systems, Sequence. C. E. Deardorff. 2,598,233, May 27.
Valve for hydraulic presses, Piston type control. J. M. and F. H. Towler. 2,609,794, Sept. 9.
Valve for hydraulic straightening presses, Directional and pressure control. B. Welte. 2,580,868, Jan. 1.
Valve for hydraulic systems, Silent relief. E. J. Hrdlicka, Jr. 2,600,875, June 17.
Valve for inflatable articles. T. W. Winstead. 2,604,297, July 22.
Valve for inflatable pneumatic bladders or the like, Self-sealing. W. F. Davenport and H. A. Smith. 2,597,924, May 27.
Valve for liquefied hydrocarbon containers, Fill and discharge. W. E. McCabe, Jr. Re. 23,487, Apr. 29.
Valve for liquid fuel burners, Metering. J. L. Breese. 2,585,431, Feb. 12.
Valve for liquid treating apparatus. B. B. Ivanek. 2,616,446, Nov. 4.
Valve for lubricating apparatus, Manually operated control. E. W. Davis. 2,586,456, Feb. 19.
Valve for measuring apparatus, Automatic control. R. B. Brown. 2,604,906, July 29.
Valve for percussive tools. P. H. Nast. 2,591,853, Apr. 8.
Valve for percussive tools, Distributing. M. O'Farrell. 2,609,792, Sept. 9.
Valve for plastic concrete pressure pumps. C. I. Longenecker. 2,589,012, Mar. 11.
Valve for plural motor systems, Equalizing. B. N. Ashton and E. V. Barkow. 2,602,298, July 8.
Valve for pneumatic columns. H. A. Gillerstrom. 2,620,195, Dec. 2.
Valve for pneumatic riveting hammers. E. H. Forss. 2,607,559, Aug. 19.
Valve for pneumatic tools, Throttle. J. E. Terry. 2,612,342, Sept. 30.
Valve for power transmissions, Control. G. D. Hunter. 2,608,994, Sept. 2.
Valve for pressure boilers. W. R. Hanline and J. W. E. Hanes. 2,611,438, Sept. 23.
Valve for pressure boilers, Control. W. R. Hanline and J. W. E. Hanes. 2,588,521, Mar. 11.
Valve for pressure control systems. A. Lemos, Jr. 2,610,822, Sept. 16.
Valve for pressure cookers, Safety and release. F. J. Holbik. 2,590,620, Mar. 25.
Valve for refrigeration, Throttling. P. D. van Vliet. 2,618,290, Nov. 18.
Valve for relieving high and low pressures. J. F. Myers and J. R. Harclerode. 2,619,113, Nov. 25.
Valve for respiratory devices. B. B. Holmes. 2,588,118, Mar. 4.
Valve for rock drills. J. E. Feucht. 2,580,747, Jan. 1.
Valve for rock drills. P. H. Nast. 2,604,073, July 22.
Valve for rock drills, Rotation and feed controlling. T. A. Schmidt. 2,602,426, July 8.
Valve for rotating combustion products generators, Centrifugal balance fuel. T. B. Murdock and R. H. Ball. 2,596,161, May 13.
Valve for sandblast generators, Control. R. Ruemelin. 2,580,842, Jan. 1.
Valve for sequential operation of hydraulic motors. C. B. Livers and A. A. Meddock. 2,593,039, Apr. 15.
Valve for sinks and the like, Drain. F. Muckler. 2,580,575, Jan. 1.
Valve for spray controlling apparatus. E. M. Morehouse. 2,616,660, Nov. 4.
Valve for steam radiators, Humidifying. L. H. Leavie. 2,605,970, Aug. 5.
Valve for stems of pneumatic tires. J. De Stefano. 2,588,493, Mar. 11.
Valve for the distribution or dispersion of fluids in small particles. J. T. Efford. 2,621,014, Dec. 9.
Valve for two-cycle engines, Crankcase induction. E. C. Kiekhaefer. 2,612,882, Oct. 7.

Valve for use in refrigerating and like apparatus, Expansion. L. J. Wolf. 2,594,701, Apr. 29.
Valve for vacuum brakes, Trailer relay. N. C. Williams 2,582,612, Jan. 15.
Valve for water distribution systems, Automatic cutoff. J. D. Robinson. 2,604,295, July 22.
Valve for wind instruments. F. N. Meyers. 2,612,811, Oct. 7.
Valve gear for internal-combustion engines. A. J. Butterworth. 2,622,574, Dec. 23.
Valve gear for steam turbines and the like. F. H. Van Nest and L. B. Wales. 2,613,542, Oct. 14.
Valve grinder. A. H. Anderson. 2,618,105, Nov. 18.
Valve grinder. L. W. Kelly. 2,614,372, Oct. 21.
Valve guide means. J. Trefil. 2,614,792, Oct. 21.
Valve indicator. A. S. Volpin. 2,587,934, Mar. 4.
Valve keeper inserter. H. W. Kulp. 2,608,116, Aug. 26.
Valve key placing tool. P. H. Nash. 2,602,357, July 8.
Valve lapping fixture. W. F. Klatt. 2,619,778, Dec. 2.
Valve means for controlling liquids and gases. R. H. Ellsworth. 2,605,785, Aug. 5.
Valve mechanism. W. H. Brown. 2,593,531, Apr. 22.
Valve mechanism. R. E. Friedrich and J. Sucha. 2,619,356, Nov. 25.
Valve mechanism. C. K. Huthsing. Re. 23,610, Dec. 30.
Valve mechanism. L. Lee, II. 2,601,870, July 1.
Valve mechanism. P. C. Temple. 2,619,104, Nov. 25.
Valve mechanism. E. Van Sickle. 2,609,207, Sept. 2.
Valve mechanism, Constant flow. C. D. Branson. 2,587,815, Mar. 4.
Valve mechanism for combustion chambers, Igniter port. R. H. Goddard. 2,602,293, July 8.
Valve mechanism for controlling flow through ion exchange apparatus. E. Pick. 2,581,878, Jan. 8.
Valve mechanism for expansible chamber fluid motors with piston actuated distributing valve, Stopping control. E. E. Sivacek. 2,609,796, Sept. 9.
Valve mechanism for fluid pressure pumps, Unloading. E. G. Staude. 2,584,638, Feb. 5.
Valve mechanism for fountain toothbrushes. A. Lawson. 2,607,513, Aug. 19.
Valve mechanism for internal-combustion engines, Charge control. M. Mallory. 2,588,136, Mar. 4.
Valve mechanism for multiple resonance chambers, Cylindrical rotating. R. H. Goddard. 2,580,908, Jan. 1.
Valve mechanism for pneumatic tools. H. A. Gillerstrom. 2,613,646, Oct. 14.
Valve mechanism for rotating feeding head for combustion chambers. R. H Goddard. 2,599,104, June 3.
Valve mechanism for soot blowers. De L. E. Hibner. 2,586,165, Feb. 19.
Valve mechanism for soot blowers. S. E. Meyers. 2,590,441, Mar. 25.
Valve mechanism operated by a plurality of thermostats. N. P. McKenzie. 2,586,972, Feb. 26.
Valve mechanism, Quick release. H. H. Panderzee. 2,592,213, Apr. 8.
Valve mechanism, Thermostatic. T. F. Van Denberg and C. W. Bondurant. 2,588,674, Mar. 11.
Valve motor. D. H. Thorburn and J. E. Panza. 2,608,211, Aug. 26.
Valve mounting and operating means for toilets. E. Robinson. 2,587,901, Mar. 4.
Valve operating and control mechanism, Relief. D. L. Hofer. 2,603,234, July 15.
Valve operating device. W. Streun. 2,608,377, Aug. 26.
Valve operating means. D. Mapes. 2,592,816, Apr. 15.
Valve operating means. J. Neuroth. 2,589,019, Mar. 11.
Valve operating mechanism. W. Harrower. 2,583,050, Jan. 22.
Valve operating mechanism. J. H. Schmid. 2,599,204, June 3.
Valve operating mechanism. C. L. Shobe. 2,601,230, June 24.
Valve operating mechanism. R. H. Thompson and H. Harvey. 2,591,216, Apr. 1.
Valve operating mechanism for hot-air registers. R. L. Leigh. 2,596,257, May 13.
Valve operating mechanism operable to vary valve lift and valve timing, Hydraulic. J. C. Barnaby. 2,602,434, July 8.
Valve operator. A. J. Whitcomb. 2,620,673, Dec. 9.
Valve packing assembly. G. L. Hammon. 2,596,681, May 13.
Valve packing construction. N. Bashark and D. Grant. 2,583,539, Jan. 29.
Valve pipe with grooved bowl. C. P. Brooks. 2,603,222, July 15.
Valve position indicator. R. A. Rockwell. 2,599,286, June 3.
Valve refacer work head. H. C. Preston. 2,606,767, Aug. 12.
Valve refinishing tool. J. V. Bueckermann. 2,588,353, Mar. 11.
Valve reseating tool. A. B. Utley. 2,608,805, Sept. 2.
Valve rotating device. R. T. Doughty. 2,581,471, Jan. 8.
Valve rotating device. R. T. Doughty. 2,609,803–4, Sept. 9.
Valve rotating device. T. H. Mitzelfeld and A. W. Zmuda. 2,589,418, Mar. 18.
Valve rotating device. J. A. Newton. 2,582,060, Jan. 8.
Valve sealing assembly. S. W. Faust. 2,593,740, Apr. 22.
Valve seat. C. R. Suska. 2,623,726, Dec. 30.
Valve seat grinding tool. H. M. Emge. 2,611,223, Sept. 23.
Valve seat insert. G. H. Keller. 2,585,658, Feb. 12.
Valve seat puller. O. R. Anderson. 2,623,276, Dec. 30.
Valve seat reamer. L. Di Nardo. 2,601,809, July 1.
Valve seat refacer for saxophones and the like. N. P. D'Alessandro. 2,602,376, July 8.
Valve seat seal, Spring biased. T. R. Smith. 2,585,012, Apr. 29.
Valve silencer. J. E. Michelich. 2,619,946, Dec. 2.
Valve silencer, Mechanical. R. S. Hartung. 2,607,330, Aug. 19.
Valve sleeve tool. A. C. Gober. 2,619,717, Dec. 2.
Valve spring compressor. E. Jensen. 2,586,050, Feb. 19.
Valve spring compressor and tension tester. H. V. Kerr. 2,589,552, Mar. 18.
Valve spring tester. H. R. Malm. 2,616,292, Nov. 4.
Valve stem construction. W. S. Du Charme. 2,592,256, Apr. 8.
Valve structure. J. A. Beem. 2,583,291, Jan. 22.
Valve structure. L. H. Gardner. 2,591,801, Apr. 8.
Valve structure. R. S. Knapp. 2,592,808, Apr. 15.
Valve structure. J. R. Snyder and J. F. Norton. 2,598,848, June 3.
Valve structure. I. R. Versoy and A. D. Rapuano. 2,620,791, Dec. 9.
Valve structure. F. W. Whitlock. 2,610,023, Sept. 9.
Valve structure for faucets. S. Samaras. 2,589,630, Mar. 18.
Valve structure for pneumatic tires having dual tubes. E. T. Wyman. 2,608,235, Aug. 26.
Valve structure for telescopic shock absorbers, Foot. H. L. Chisholm, Jr. 2,590,982, May 20.
Valve structure, Reversible. H. W. McPherson. 2,587,356, Feb. 26.
Valve structure, Solenoid-operated. I. R. Versoy. 2,591,030, Apr. 1.
Valve structure, Vent. A. C. Goodrich. 2,583,481, Jan. 22.
Valve structure with removable stop washer, Exposed. S. A. Young. 2,621,890, Dec. 16.
Valve system, Emergency. J. H. De Frees. 2,600,977, June 17.
Valve system for centrifuges. G. J. Strezynski. 2,616,621, Nov. 4.
Valve tappet, Hydraulic. O. H. Banker. 2,580,380, Jan. 1.
Valve-to-tappet clearance setting tool. J. M. Garrett and W. E. Tollett. 2,619,783, Dec. 2.
Valve tool. F. Akin. 2,602,989, July 15.
Valve unit for internal-combustion engines. E. C. Kiekhaefer. 2,616,403, Nov. 4.
Valve unit, Speed control. T. T. Tuttle. 2,604,109, July 22.
Valve with adjustable flow control. E. H. Mueller. 2,592,056, Apr. 8.
Valve with automatic and emergency cutoff. Filler. G. L. N. Meyer. 2,597,943, May 27.
Valve with automatic follow-up, Hydraulic control. H. C. Hogan, Jr. 2,608,954, Sept. 2.
Valve with automatic hold and release, Hydraulic control. C. B. Livers and A. A. Meddock. 2,594,664, Apr. 29.
Valve with bellows type seal, Diaphragm controlled. B. G. Woolley. 2,613,468, Oct. 28.
Valve with continuously connected hand-wheel, Automatically operated. G. W. Dahl. 2,584,847, Feb. 5.
Valve with double-acting washer. H. R. Harding. 2,603,446, July 15.
Valve with excess flow prevention, Two-way. J. A. Kinnaird. 2,595,389, May 6.
Valve with flow control. Control. H. Kirkham. 2,604,327, July 22.
Valve with free position, Control. A. A. Meddock. 2,610,022, Sept. 9.
Valve with integral hydraulic time delay, Solenoid shutoff. L. M. Chartier. 2,617,258, Nov. 11.
Valve with liquid fuel injection port, Rotary. C. W. Hall. 2,587,842, Mar. 4.
Valve with pressure surge relief, Pilot controlled. C. N. Legge and W. O. Manning. 2,616,450, Nov. 4.
Valve with safety fitting, Manually actuated. G. J. Henry. 2,608,201, Aug. 26.
Valve with shifting fulcrum, Lever actuated. D. S. Willson. 2,612,905, Oct. 7.
Valve with spring loaded diaphragm, Safety. H. C. G. R. Nedergaard. 2,585,575, Feb. 12.
Valved bag and its manufacture. C. V. Brady and A. F. Ottinger. 2,595,446, May 6.
Valved cap for automobile radiators and the like. D. Friend and L. J. Smith. 2,596,070, May 6.
Valved closure assembly. J. B. Parsons. 2,622,762, Dec. 23.
Valved construction for torch handles and making the same. A. F. Chouinard and M. A. Tylutki. 2,587,821, Mar. 4.
Valved coupling. J. D. Langdon. 2,594,318, Apr. 29.
Valved drop forming stopper with removable air and liquid orifice plugs. V. Balcar. 2,623,662, Dec. 30.
Valved pipe coupling. W. F. MacGlashan, Jr. 2,612,389, Sept. 30.
Valved pipe coupling. D. J. Peeps. 2,598,009, May 27.
Valved piston for deep-well lift pumps. L. C. Mardis. 2,583,111, Jan. 22.

Valved piston well pump. H. B. Fuqua and R. H. Covert. 2,615,400, Oct. 28.
Valveless vacuum-operated fluid circulating device for cleaning hollow objects such as teat cups and milk tubes. F. T. Redman, Jr. 2,595,539, May 6.
Valving apparatus. E. G. Bailey, P. S. Dickey, and J. F. Shannon. 2,598,207, May 27.
Valvular closure and cap for collapsible tubes. N. S. Cole. 2,620,949, Dec. 9.
Valvular controlling means. L. S. De Mart. 2,623,534, Dec. 30.
Van, Horse. J. C. Crivella. 2,621,070, Dec. 9.
Vane pump. H. C. G. Vincent. 2,622,538, Dec. 23.
Vane pump and vane therefor. W. Ernst. 2,612,115, Sept. 30.
Vane pump or motor. W. Ernst. 2,612,114, Sept. 30.
Vanillin, Manufacture of. E. W. Schoeffel. 2,598,311, May 27.
Vanity or make-up case and support therefor, Combined. H. B. Green and S. B. Gaines. 2,597,473, May 20.
Vapor and explosion proof plug and receptacle. L. C. Doane. 2,619,515, Nov. 25.
Vapor and gas power plant utilizing equipressure vapor generator. E. Mercier and M. Ehlinger. 2,613,495, Oct. 14.
Vapor charging system for internal-combustion engines. H. H. Schneider. 2,598,445, May 27.
Vapor coating device. G. P. Brown. 2,621,625, Dec. 16.
Vapor-compression distillation. R. Andersen. 2,619,453, Nov. 25.
Vapor condensing apparatus. H. E. Byer. 2,593,655, Apr. 22.
Vapor condensing apparatus and method. J. R. Shields. 2,613,513, Oct. 14.
Vapor control system for storage tanks. C. D. Laidley. 2,589,095, Mar. 11.
Vapor delivery pad for distributing moist heat. Z. Marx. 2,590,026, Mar. 18.
Vapor diffuser and ash tray, Combined. W. H. Wheeler, J. M. von Bergen, and G. W. Meek. 2,603,532, July 15
Vapor discharge lamp. N. F. Chamberlain and R. J. Michael. 2,624,010, Dec. 30.
Vapor-electric device. J. L. Boyer and R. J. Ballard. 2,605,439, July 29.
Vapor-electric device. L. J. Hibbard, L. A. Casanova and R. A. Buchanan. 2,594,017, Apr. 22.
Vapor-electric device. G. Lewin. 2,617,064–5, Nov. 4.
Vapor-electric device. W. E. Pakala. 2,619,617, Nov. 25.
Vapor-electric device and making the same. G. Lewin and E. A. Goldman. 2,617,070, Nov. 4.
Vapor generator. M. Frisch. 2,621,637, Dec. 16.
Vapor generator. E. Mercier and M. Ehlinger. 2,618,247, Nov. 18.
Vapor generator. C. H. Woolley. 2,581,896, Jan. 8.
Vapor generator operation. P. S. Dickey. 2,598,235, May 27.
Vapor injector. R. G. Thomas. 2,598,465, May 27.
Vapor oxygen recondenser. L. R. Cartier. 2,587,820, Mar. 4.
Vapor phase corrosion inhibition. R. J. Moore and A. Wachter. 2,592,451, Apr. 8.
Vapor phase electrochemical process. L. H. Smith. 2,583,898, Jan. 29.
Vapor phase treatment of combined gasoline and water phases of synthesis product with a basic compound. H. V. Hess, G. B. Arnold, and M. L. Drabkin. 2,591,699, Apr. 8.
Vaporproof building construction. G. S. Willey. 2,606,440, Aug. 12.
Vapor selective breather. J. M. Riboud. 2,583,062, Jan. 22.
Vapor spray system. L. C. Stearman. 2,609,233, Sept. 2.
Vapor vent for floating roof tanks. F. D. Moyer. 2,601,317, June 24.
Vaporizer. L. Boddy. 2,612,432, Sept. 30.
Vaporizer. W. R. Frank. 2,585,106, Feb. 12.
Vaporizer. M. Katzman. 2,580,793, Jan. 1.
Vaporizer. M. J. Maguth. 2,606,276, Aug. 5.
Vaporizer. C. V. Smith. 2,597,195, May 20.
Vaporizer. L. W. Wallace and C. W. Kincaid. 2,595,029, Apr. 29.
Vaporizer and blower, Combination. G. P. Daiger. 2,587,974, Mar. 4.
Vaporizer and burner, Liquid fuel. J. S. Clarke, A. E. Clarke, and N. P. Coupe. 2,611,244, Sept. 23.
Vaporizer carrier. M. Katzman. 2,589,817, Mar. 18.
Vaporizer, Electric. J. Robinson. 2,599,485, June 3.
Vaporizer for gas engines, Fuel-mixture. R. G. Elliott and J. A. Bennett. 2,587,713, Mar. 4.
Vaporizer for insecticides and the like. J. Laibow. 2,616,024, Oct. 28.
Vaporizer for internal-combustion engines. A. P. Mansoff. 2,597,251, May 20.
Vaporizer, Wick type. D. S. Raleigh. 2,609,230, Sept. 2.
Vaporizing and burning sulfur. R. T. Braun. 2,595,447, May 6.
Vaporizing and dispersing apparatus for liquid disinfectants. S. L. F. Eklund. 2,622,287, Dec. 23.
Vaporizing apparatus. H. R. Stagner. 2,615,215, Oct. 28.
Vaporizing attachment for vacuum cleaners. V. J. Lee. 2,605,163, July 29.
Vaporizing device. L. C. Huff. 2,591,818, Apr. 8.
Vaporizing device for disinfectants and the like. J. E. Randolph. 2,595,982, May 6.
Vaporizing forced draft oil burner. W. H. Frankland. 2,603,281, July 15.
Vaporizing oil burner. S. W. Burch, Sr. 2,585,088, Feb. 12.
Vaporizing sulfur. C. A. Porter and G. W. Rollin. 2,582,794, Jan. 15.
Vaporizing type oil burner and ignition means. B. I. J. Stamm. 2,582,890, Jan. 15.
Vaporizing vertical pot type oil burner. S. P. Cauley. 2,581,238, Jan. 1.
Variable abrasive belt backup wheel. E. N. McVey. 2,581,270, Jan. 1.
Variable angle corner pulley. T. N. Hannant. 2,611,581, Sept. 23.
Variable angle ultrasonic transducer. R. H. Webb. 2,602,102, July 1.
Variable area diffuser or effuser. M. Davidson. 2,608,053, Aug. 26.
Variable area tail pipe for jet engines. H. A. Berliner. 2,608,820, Sept. 2.
Variable attenuator. R. H. Freeman. 2,597,090, May 20.
Variable capacitance device. W. S. Erwin. 2,615,960, Oct. 28.
Variable capacitor. H. Kihn and C. Wentworth. 2,589,092, Mar. 11.
Variable capacitor. G. T. Kodama. 2,591,705, Apr. 8.
Variable capacitor. I. H. Page. 2,591,717, Apr. 8.
Variable capacitor. J. D. Repko. 2,580,702, Jan. 1.
Variable capacitor. F. Steyer and W. Werner. 2,614,149, Oct. 14.
Variable capacity cavity tuning. L. D. Smullin. 2,600,278, June 10.
Variable capacity container. V. K. Jalkanen. 2,611,272, Sept. 23.
Variable capacity pump. F. S. Coe. 2,592,247, Apr. 8.
Variable capacity rotary fluid motor. A. L. Haynes. 2,598,538, May 27.
Variable capacity rotary pump. A. M. Shaw. 2,606,503, Aug. 12.
Variable-capacity target electrode. G. S. P. Freeman. 2,599,754, June 10.
Variable capacity vane-type rotary pump including automatic means for maintaining uniform delivery. H. C. French. 2,600,632, June 17.
Variable cavity resonator. A. V. Haeff and T. E. Hanley. 2,616,966, Nov. 4.
Variable composite picture frame. D. M. Knox. 2,623,316, Dec. 30.
Variable compression ratio internal-combustion engine. G. Petit. 2,589,958, Mar. 18.
Variable compression system for internal-combustion engines. R. L. Skinner. 2,592,829, Apr. 15.
Variable condenser. C. N. Ehrlich. 2,589,351, Mar. 18.
Variable condenser. J. D. Heibel. 2,595,194, Apr. 29.
Variable contrast photographic material and preparing it. G. Schwarz. 2,620,272, Dec. 2.
Variable delivery positive displacement pump. R. Amsler. 2,591,491, Apr. 1.
Variable-delivery pump. C. H. Denny. 2,612,839, Oct. 7.
Variable delivery pump. M. A. Mathys. 2,588,861, Mar. 11.
Variable delivery vane-type hydraulic pump. N. Crane. 2,584,426, Feb. 5.
Variable electric chokes, transformers, or the like. H. Muller. 2,602,097, July 1.
Variable electrical condenser. H. M. Wadsworth. 2,591,844, Apr. 1.
Variable enabler for acoustic torpedoes. T. A. Daly and H. A. Gill. 2,615,416, Oct. 28.
Variable filament inductor. C. J. Starner. 2,610,616, Nov. 25.
Variable flame-orifice gas burner. P. F. Swenson and M. F. Pravda. 2,603,283, July 15.
Variable flexibility suspension device for vehicles. G. Clmusson. 2,596,209, May 13.
Variable frequency counter. O. L. MacSorley. 2,604,263, July 22.
Variable frequency power supply system. W. F. Moore. 2,585,573, Feb. 12.
Variable drag coupling. W. H. Kunts. 2,617,506, Nov. 11.
Variable high-frequency coil and/or tuning assembly. M. V. Kiebert, Jr. and A. S. Backus. 2,622,203, Dec. 16.
Variable impedance device. F. Kesselring. 2,586,544, Feb. 19.
Variable impedance device. M. C. Thompson, Jr. 2,590,282, Mar. 25.
Variable inductance. W. H. Anderson and A. C. Frey. 2,583,133, Jan. 22.
Variable inductance device. D. Mackey. 2,584,723, Feb. 5.
Variable inductance coil. G. M. Loe. 2,624,042, Dec. 30.
Variable inductive coupler. I. K. Munson. 2,588,406, Mar. 11.
Variable inertia device. H. Sohon and L. Jacobs. 2,603,103, July 15.
Variable light transmission device comprising relatively movable polarized members. J. F. Dreyer. 2,617,329, Nov. 11.
Variable liquid resistance apparatus. N. R. Benchemoul. 2,599,806, June 10.

Variable loss paramagnetic cores. A. W. Friend. 2,597,237, May 20.
Variable multiple head. M. H. Emrick. 2,589,485, Mar. 18.
Variable number indicator. D. Mariani, J. A. Patasce, and G. Roebuck. 2,600,790, June 17.
Variable-oscillator controlled relay system. G. A. Waldie and H. F. MacMillin. 2,592,770, Apr. 15.
Variable output transformer. J. E. Jones and J. B. Reeves. 2,598,555, May 27.
Variable parallel resonant circuit. C. L. Snyder. 2,601,338, June 24.
Variable-pitch airscrew. J. A. Crowhurst. 2,609,057, Sept. 2.
Variable pitch helicopter rotor. J. Goedecker and W. Meske. 2,620,592, Dec. 9.
Variable pitch propeller. C. R. Sacchini. 2,588,166, Mar. 4.
Variable pitch propeller blade root construction. F. Tornes and N. J. Liaaen. 2,612,229, Sept. 30.
Variable pitch propeller with an axially movable hub. O. Hansson. 2,594,160, Apr. 22.
Variable pitch pulley. C. H. Miner. 2,612,055, Sept. 30.
Variable pitch reversible propeller. E. H. Morris, E. Danvers and T. E. Godden. 2,593,910, Apr. 22.
Variable pitch reversible propeller. E. H. Morris, E. Danvers and T. E. Godden. 2,600,017, June 10.
Variable pitch tube propeller. A. M. Pilz. 2,605,606, Aug. 5.
Variable position control for hydraulic servomotors. E. H. Fletcher, P. L. Hanson, and T. Nakae. 2,615,430, Oct. 28.
Variable rate spring suspension. H. E. Greene. 2,582,426, Jan. 15.
Variable ratio booster. P. W. McLane. 2,620,772, Dec. 9.
Variable ratio booster control system. T. C. Hill. 2,596,242, May 13.
Variable ratio booster system. W. W. Beman. 2,613,890, Oct. 14.
Variable ratio power transmission. C. J. Green. 2,584,799, Feb. 5.
Variable-ratio power transmission apparatus. H. F. Hobbs and K. Thornton. 2,623,412, Dec. 30.
Variable ratio transmission. J. G. A. M. J. Meyer. 2,600,562, June 17.
Variable reflex optical projection system for weighing scales. I. Feuer. 2,583,690, Jan. 29.
Variable resistance. A. Lilley. 2,582,343, Jan. 15.
Variable resistance. G. Olah. 2,594,796, Apr. 29.
Variable resistor construction. R. W. Searle and L. M. Burgess. 2,623,144, Dec. 23.
Variable resistor signal equalization unit. W. H. Turner. 2,612,557, Sept. 30.
Variable resolution collector system. C. E. Berry. 2,593,407, Apr. 22.
Variable sealed condenser. R. S. Pyle. 2,589,134, Mar. 11.
Variable selective automatic choke for shotguns. W. H. Sedberry. 2,589,738, Mar. 18.
Variable selectivity panoramic system. M. Wallace. 2,590,809, Mar. 25.
Variable shunt permanent magnet. H. W. Washburn. 2,593,508, Apr. 22.
Variable size molding fastener clip. C. D. West. 2,607,093, Aug. 19.
Variable speed alternating current motor. R. W. Annis. 2,624,028, Dec. 30.
Variable-speed chain driving device. L. A. Hayot. 2,584,447, Feb. 5.
Variable-speed changing gear. S. B. Rennerfelt. 2,586,260, Feb. 19.
Variable-speed coupling. J. Halahan, T. F. Aronson, and F. A. Lyon. 2,585,460, Feb. 12.
Variable-speed drive. H. T. Hodges. 2,597,324, May 20.
Variable speed drive. G. A. Kohout. 2,602,342, July 8.
Variable-speed drive. J. McEwan. 2,581,683, Jan. 8.
Variable-speed drive for machine tools. P. C. Felix. 2,619,842, Dec. 2.
Variable-speed drive mechanism. W. B. Herndon. 2,623,411, Dec. 30.
Variable-speed electric motor. A. Schmidt, Jr. 2,581,208, Jan. 1.
Variable-speed friction drive. K. H. Casson, and W. G. Tyson. 2,617,309, Nov. 11.
Variable-speed gear. L. C. H. Juy. 2,598,557, May 27.
Variable-speed gearing. G. Colucci. 2,582,620, Jan. 15.
Variable-speed governor. C. P. Anderson. 2,617,904, Nov. 11.
Variable-speed mechanism. A. G. Frost. 2,596,231, May 13.
Variable speed mechanism. F. Montemarani. 2,609,700, Sept. 9.
Variable-speed power transmission mechanism. E. S. von Kreudenstein. 2,619,841, Dec. 2.
Variable speed pulley and engine throttle control for harvester threshers, Combination. A. H. Keller. 2,611,227, Sept. 23.
Variable speed reducer. G. M. Harry. 2,602,340, July 8.
Variable-speed reduction unit. D. F. Przybylski. 2,618,981, Nov. 25.
Variable speed rotary hydraulic coupling. P. S. Monroe. 2,601,548, June 24.
Variable-speed signaling crossing gate. J. H. Staley. 2,598,196, May 27.
Variable-speed transmission. A. G. Bade. 2,580,392, Jan. 1.
Variable-speed transmission. W. M. Brobeck. 2,584,541, Feb. 5.
Variable-speed transmission. W. J. F. Forward and R. R. Roberts. 2,592,799, Apr. 15.
Variable speed transmission. F. G. Hansen. 2,584,201, Feb. 5.
Variable-speed transmission. M. R. Matheson. 2,593,163, Apr. 15.
Variable-speed transmission. E. M. Rayburn. 2,581,498, Jan. 8.
Variable-speed transmission. H. Schottler. 2,586,725, Feb. 19.
Variable-speed transmission. L. E. Shaw. 2,622,446, Dec. 23.
Variable speed transmission. H. M. Stephenson. 2,590,800, Mar. 25.
Variable speed transmission. S. C. Watson. 2,600,592, June 17.
Variable-speed transmission. H. E. Wiltsey. 2,612,785, Oct. 7.
Variable-speed transmission, Automatic. F. H. Wuetig. 2,599,216, June 3.
Variable-speed transmission gear. M. P. Winther. 2,605,651, Aug. 5.
Variable-speed unit. P. R. Billey. 2,623,410, Dec. 30.
Variable-stop hydraulic system. R. M. Densmore and N. J. Dalton. 2,596,471, May 13.
Variable-strength beverage dispenser. H. C. Heier. 2,592,279, Apr. 8.
Variable stroke final slow closing and initial slow opening hydraulic ram. W. R. Groves. 2,620,776, Dec. 9.
Variable stroke pump. G. P. E. Howard. 2,615,398, Oct. 28.
Variable stroke rotary well jar. E. W. Bagnell and W. F. Bettis. 2,618,466, Nov. 18.
Variable throat restricter valve. F. C. Sausa. 2,590,215, Mar. 25.
Variable time sequential operated switch. M. G. Beautense. 2,616,000, Oct. 28.
Variable transformer. A. Simon. 2,585,050, Feb. 12.
Variable transformer control. P. Glass. 2,615,936, Oct. 28.
Variable tuning device. J. L. Bonanno. 2,581,165, Jan. 1.
Variable tuning system. A. G. Lazzery. 2,600,119, June 10.
Variable underlap drum facsimile transmitting apparatus. R. G. Thompson. 2,618,702, Nov. 18.
Variable unit pressure muller. R. L. McIlvaine. 2,610,802, Sept. 16.
Variable V belt pulley drive. G. O. Turnbull. 2,589,897, Mar. 18.
Variable volume pump. H. B. Adams and M. C. Peters. 2,581,160, Jan. 1.
Variable warp airfoil. I. B. Bensen. 2,584,663, Feb. 5.
Variable weight provision for pressing irons. M. A. Simon. 2,591,018, Apr. 1.
Variable weight sinker. K. R. Larson. 2,584,356, Feb. 5.
Variably sensitive frequency discriminator. M. Petroff. 2,607,890, Aug. 19.
Variator. H. N. Bliss. 2,618,983, Nov. 25.
Variegated thermoplastic panels, Making. C. D. Orsini. 2,618,019, Nov. 18.
Varying electromagnetic waves in a wave guide. H. F. Mataré. 2,588,262, Mar. 4.
Varying the count of roving in carding machines. H. G. Duesberg and C. A. Potter. 2,610,361, Sept. 16.
Variometer and induction regulator. J. Bell. 2,611,891, Sept. 23.
Varnish for application over lithographic ink, Finishing. P. W. Greubel. 2,597,863–5, May 27.
Vase, Ground. A. S. Carlson. 2,610,443, Sept. 16.
Vase, Ground inserted cemetery. L. E. Magers. 2,583,001, Jan. 22.
Vat dye photoprints. A. Schoen. 2,611,701, Sept. 23.
Vat dye pigment pad process for cellulose ester textiles using a water-miscible organic swelling agent in the alkaline hydrosulfite reducing bath. G. C. Ward and W. T. Haggerty, Jr. 2,620,257, Dec. 2.
Vat dyeing compositions, including a mixture of cobalt phthalocyanine dyes. F. Baumann and B. Bienert. 2,613,128, Oct. 7.
Vat dyeing of acrylonitrile polymers using potassium ions. E. M. Griffith. 2,598,120, May 27.
Vat dyes of the anthraquinone-azole series. H. E. Schroeder and J. Deinet. 2,587,908, Mar. 4.
Vat dyes of the anthraquinone oxazole and anthraquinone thiazole series which contain the azobiphenyl nucleus. J. Deinet. 2,601,100, June 17.
Vat dyes of the anthraquinone-oxdiazole series. F. B. Stilmar. 2,601,179, June 17.
Vat dyestuffs. W. Jenny and W. Kern. 2,610,194, Sept. 9.
Vat dyestuffs of the pyranthrone series. K. Saftien and A. Vilsmeier. 2,603,644, July 15.
Vegetable and flower marker. J. Raising. 2,602,250, July 8.
Vegetable and fruit washer. A. B. McLauchlan. 2,601,411, June 24.
Vegetable cleaning and topping device. R. R. Richmond. 2,594,995, Apr. 29.

Vegetable cutter. W. P. Westby and M. P. Hanson. 2,590,909, Apr. 1.
Vegetable packing apparatus, Collapsible. C. E. Huston. 2,590,965, Apr. 1.
Vegetable pod opener and sheller. D. T. Greene. 2,621,659, Dec. 16.
Vegetable slicer with agitator in feed hopper. E., H., T. B., and F. Nelson. 2,621,694, Dec. 16.
Vegetable treatment process. D. D. Peebles, P. D. Clary, Jr., and R. K. Meade. 2,607,688, Aug. 19.
Vehicle: *See*—
Ambulatory commode vehicle.
Articulated railway vehicle.
Auto-loading self-propelled dumping vehicle.
Automatically steerable toy vehicle.
Casket transporting and hoisting vehicle.
Child's convertible vehicle.
Child's vehicle.
Child's walking and riding vehicle.
Convertible vehicle.
Dirigible vehicle.
Fluid motor operated toy vehicle.
Four wheel trailer vehicle.
Hand propelled vehicle.
Illuminated toy vehicle.
Insulated tank vehicle.
Land and water vehicle.
Manually propelled vehicle.
Motor vehicle.
Railway vehicle.
Refrigerated milk delivery vehicle.
Refuse vehicle.
Remotely controlled toy vehicle.
Reversible toy vehicle.
Screen vehicle.
Self-loading and self-dumping vehicle.
Self-loading and unloading vehicle.
Side dump vehicle.
Snow vehicle.
Spring motor actuated toy vehicle.
Toy vehicle.
Toy wheeled vehicle.
Transportation vehicle.
Vehicle. A. L. Mathisen. 2,614,857, Oct. 21.
Vehicle actuated gate. L. G. Martin. 2,585,481, Feb. 12.
Vehicle actuated stock guard and gate. E. Bacon. 2,622,354, Dec. 23.
Vehicle aerial booster. H. C. Riemann. 2,608,655, Aug. 26.
Vehicle air deflector. S. J. Zagel. 2,622,921, Dec. 23.
Vehicle and rocker for children, Combination. P. G. Gearing. 2,605,814, Aug. 5.
Vehicle assigning, detecting, and dispatching systems. B. Cooper and S. A. Kroll. 2,601,370, June 24.
Vehicle axle clearing plow. R. L. Camilly and O. F. Quartullo. 2,618,874, Nov. 25.
Vehicle bed locking arrangement. J. L. Brack. 2,580,509, Jan. 1.
Vehicle body. B. B. Teeter. 2,585,976, Feb. 19.
Vehicle body and chassis construction. G. Chausson. 2,606,058, Aug. 5.
Vehicle body belt molding construction. R. H. Maguire. 2,617,679, Nov. 11.
Vehicle body, Collapsible. H. W. Miller. 2,589,416, Mar. 18.
Vehicle body cowl construction. T. Ulrich. 2,613,985, Oct. 14.
Vehicle body, especially for rail cars. J. Ledwinka and G. Trautvetter. 2,595,212, Apr. 29.
Vehicle body having unloading means. A. E. Snedeger. 2,606,677, Aug. 12.
Vehicle body heater. E. D. Roben. 2,599,585, June 10.
Vehicle body, Self-unloading. H. R. Schemm. 2,589,968, Mar. 18.
Vehicle body structure. W. Vuts. 2,595,028, Apr. 29.
Vehicle body support. L. D. Holmes, W. J. Haaksma, and R. S. Hammond. 2,614,504, Oct. 21.
Vehicle bogey. C. C. Clough. 2,587,031, Feb. 26.
Vehicle boom, Collapsible. B. Honey. 2,616,666, Nov. 4.
Vehicle brake. W. T. Dunn. 2,603,322, July 15.
Vehicle brake. W. T. Dunn. 2,613,775, Oct. 14.
Vehicle brake. C. A. Neracher and W. T. Dunn. 2,613,774, Oct. 14.
Vehicle brake and throttle operating mechanism. M. V. Hilson. 2,596,998, May 20.
Vehicle braking apparatus. E. W. Smith. 2,605,860, Aug. 5.
Vehicle bumper. A. Schuettpelz. 2,610,881, Sept. 16.
Vehicle bumper and trailer hitch, Combined. C. R. Perry. 2,584,366, Feb. 5.
Vehicle carrier for portable sawmills or the like, Adjustable. J. W. O'Kelley. 2,621,055, Dec. 9.
Vehicle chocking mechanism for tippiers. F. G. Mitchell. 2,620,077, Dec. 2.
Vehicle construction for hauling bulk material. J. V. Meyers. 2,616,758, Nov. 4.
Vehicle coupling. J. O. Klein. 2,613,948, Oct. 14.
Vehicle coupling. L. L. Peterson. 2,587,208, Feb. 26.
Vehicle cover and tent, Combination. W. C. Goodman. 2,608,198, Aug. 26.
Vehicle curtain construction. N. B. Hedley. 2,620,224, Dec. 2.
Vehicle detecting arrangement suitable for use in traffic control systems. A. L. Range and E. Thorpe. 2,603,703, July 15.
Vehicle detecting system. W. J. Parks. 2,597,518, May 20.
Vehicle directional signal system. W. T. Leete. 2,589,410, Mar. 18.
Vehicle door closing device. F. A. Anderson. 2,610,084, Sept. 9.
Vehicle door latch mechanism. W. A. Endter. 2,606,784, Aug. 12.
Vehicle door panel structure. A. Rappi. 2,582,394, Jan. 15.
Vehicle door with spare tire compartment. K. T. Keller. 2,610,083, Sept. 9.
Vehicle drive axle roller and wheel assembly. H. R. Nash. 2,617,489, Nov. 11.
Vehicle drive control. H. O. Schjolin. 2,594,811, Apr. 29.
Vehicle drive control mechanism. M. Maat. 2,580,449, Jan. 1.
Vehicle driving chain. J. A. Kennedy. 2,596,248, May 13.
Vehicle elevating apparatus. C. M. McCormick. 2,617,368, Nov. 11.
Vehicle employing forked banking arms, Inwardly banking. J. Kolbe. 2,580,559, Jan. 1.
Vehicle engine heater. W. La Mirand. 2,613,307, Oct. 7.
Vehicle for juveniles. T. Avenia. 2,620,197, Dec. 2.
Vehicle for the distribution of newspapers or the like. E. A. Netzband. 2,603,499, July 15.
Vehicle frame structure. D. F. Reynolds. 2,611,627, Sept. 23.
Vehicle fuel tank assembly. F. Prior. 2,622,887, Dec. 23.
Vehicle gas turbine free wheel overdrive. S. H. Grylls. 2,591,540, Apr. 1.
Vehicle, Glass color. C. C. Jessen. 2,607,701, Aug. 19.
Vehicle guiding means. C. H. Rose. 2,590,040, Mar. 18.
Vehicle harness, Monowheel. C. E. Giovannoni. 2,613,953, Oct. 14.
Vehicle having superimposed noncollapsible occupant compartment, Self-propelled. H. A. Cook. 2,614,882, Oct. 21.
Vehicle headlight. L. B. Paul. 2,612,616, Sept. 30.
Vehicle heating apparatus. L. W. Child. 2,610,798, Sept. 16.
Vehicle hoist. E. B. Thompson. 2,593,630, Apr. 22.
Vehicle hoist. E. B. Thompson. 2,612,355, Sept. 30.
Vehicle holding structure. J. J. Pelouch. 2,581,137, Jan. 1.
Vehicle jack. H. Dahl and A. Severson. 2,621,021, Dec. 9.
Vehicle jack. A. Jensen. 2,590,970, Apr. 1.
Vehicle jack. R. Sachtleber. 2,587,067, Feb. 26.
Vehicle jack. A. A. White. 2,604,299, July 22.
Vehicle lift. W. Guzey, Jr., J. Curlett and J. F. McKiney. 2,611,579, Sept. 23.
Vehicle lifting strut. H. E. Miller. 2,581,688, Jan. 8.
Vehicle light indicator. J. R. Hollins. 2,598,056, May 27.
Vehicle load binder tension device. H. A. G. Fornelius. 2,623,760, Dec. 30.
Vehicle mounted endless cutter for tree felling. F. A. Lower. 2,619,994, Dec. 2.
Vehicle parking system. H. J. Bargehr. 2,598,750, June 3.
Vehicle parking system, Coin-controlled. I. Allstadt, Jr. 2,623,933, Dec. 30.
Vehicle position indicator. F. H. Bailly. 2,598,096, May 27.
Vehicle power transmission system. U. F. Luebben. 2,608,883, Sept. 2.
Vehicle radiator cap. J. T. Levell. 2,591,562, Apr. 1.
Vehicle seat. A. L. Bradley. 2,618,312, Nov. 18.
Vehicle seat. R. W. Stone. 2,620,855, Dec. 9.
Vehicle seat construction. B. D. McIntyre. 2,606,592, Aug. 12.
Vehicle seat convertible to a bed. R. A. Battles. 2,598,100, May 27.
Vehicle seat convertible to bed. W. R. Battles. 2,602,486, July 8.
Vehicle seat guard. J. L. Brooks. 2,595,329, May 6.
Vehicle signal. H. B. O'Brien. 2,593,337, Apr. 15.
Vehicle splash guard. F. L. Wenham and S. J. Kosik, Jr. 2,619,363, Nov. 25.
Vehicle spring. W. H. Godfrey. 2,614,832, Oct. 21.
Vehicle stabilizing and control system. C. H. Sauer. 2,608,262, Aug. 26.
Vehicle steering control apparatus. L. Hammond. 2,588,382, Mar. 11.
Vehicle steering mechanism. V. I. Dudley. 2,590,300, Mar. 25.
Vehicle supporting structure. R. Torres. 2,623,744, Dec. 30.
Vehicle suspension. S. B. and D. G. Griswold. 2,581,528, Jan. 8.
Vehicle suspension. L. R. Gruss. 2,581,856, Jan. 8.
Vehicle suspension. L. G. Hogsten and V. D. Polhemus. 2,621,920, Dec. 16.
Vehicle suspension. A. S. Krotz. 2,596,904, May 13.
Vehicle suspension. H. A. Rother. 2,621,036, Dec. 9.
Vehicle suspension. J. E. Wilkinson. 2,622,896, Dec. 23.
Vehicle suspension means. W. Lloyd. 2,593,040, Apr. 15.
Vehicle tire protecting device. W. C. Carlton. 2,617,664, Nov. 11.
Vehicle tire traction device. K. E. Schonert. 2,610,665, Sept. 16.
Vehicle traction device. J. A. Kennedy. 2,580,434, Jan. 1
Vehicle transport unit. H. B. Dawson. 2,598,113, May 27.
Vehicle trunk lid control. E. F. Gustisha. 2,594,643, Apr. 29.
Vehicle turn indicating switch. S. L. Fuller. 2,611,046, Sept. 16.

Vehicle underframe and coupler support structure, Railway. A. W. Clarke and W. C. Krauthelm. 2,582,414, Jan. 15.
Vehicle unloader. Automatic. R. Knutson. 2,591,556, Apr. 1.
Vehicle unloading unit. A. P. Balzer and J. A. Stoesz. 2,609,932, Sept. 9.
Vehicle ventilating window antidrip device. Y. M. Hoag 2,615,752, Oct. 28.
Vehicle ventilator window air deflector attachment. S. J. Zagel. 2,622,920, Dec. 23.
Vehicle washing apparatus. C. C. Griffiths. 2,610,342, Sept. 16.
Vehicle wheel. C. S. Ash. 2,592,997, Apr. 15.
Vehicle wheel. A. T. Faulkner. 2,607,634, Aug. 19.
Vehicle wheel. J. H. Hunt. 2,608,236, Aug. 26.
Vehicle wheel. H. L. Mueller. 2,609,244, Sept. 2.
Vehicle wheel and attachment therefor. A. B. Darvill. 2,583,634, Jan. 29.
Vehicle wheel brake. E. E. Hood. 2,612,968, Oct. 7.
Vehicle wheel chock. M. Arrigo. 2,581,619, Jan. 8.
Vehicle wheel compensating suspension. A. Ronning. 2,612,387, Sept. 30.
Vehicle wheel cover. H. J. Horn. 2,584,452, Feb. 5.
Vehicle wheel mounted derrick. F. T. Sila. 2,616,575, Nov. 4.
Vehicle wheel mounting. B. Essick. 2,596,390, May 13.
Vehicle wheel support. C. E. Frank. 2,580,383, Jan. 1.
Vehicle window glass run weather or trim strip. O. B. Merrill. 2,619,375, Nov. 25.
Vehicle windshield and door construction. H. Romano. 2,620,221, Dec. 2.
Vehicle windshield visor. H. C. Riemann. 2,614,628, Oct. 21.
Vehicle with independent wheel suspension. J. Kolbe. 2,580,557, Jan. 1.
Vehicle with means for laterally stabilizing tandem drive axles and transmitting brake and drive torque reactions to the frame. L. R. Buckendale. 2,607,431, Aug. 19.
Vehicular heater. H. V. Joyce. 2,612,820, Oct. 7.
Vehicular parking installation. W. P. Brower and W. I. Gadkowski. 2,610,364, Sept. 16.
Velocipede, Animal simulating. F. B. Lolmaugh. 2,614,855, Oct. 21.
Velocipede horse. T. W. La Monte. 2,592,041, Apr. 8.
Velocity and direction indicator. R. L. Divoll. 2,586,010, Feb. 19.
Velocity-control mechanisms, Adjustable. F. Freudenstein. 2,590,692, Mar. 25.
Velocity indicator for moving vehicles. J. G. Benson. 2,583,202, Jan. 22.
Velocity meter. L. W. Baldwin. 2,620,380, Dec. 2.
Velocity metering of gas flow. G. L. Mellen. 2,611,268, Sept. 23.
Velocity modulated electron device. F. Coeterier. 2,609,521, Sept. 2.
Velocity modulation tube. J. W. Keuffel. 2,617,962, Nov. 11.
Velocity modulation tube. E. Touraton and C. Dumoussseau. 2,610,306, Sept. 9.
Vending and dispensing device. W. S. Tandler, R. G. Fleuriot and C. F. Peck. 2,581,216, Jan. 1.
Vending apparatus. D. Hancock, Jr. 2,599,913, June 10.
Vending apparatus. R. Smith, H. B. Stoner, and E. Parre. 2,623,801, Dec. 30.
Vending apparatus, Cigar. M. M. Berger and J. Morales. 2,599,685, June 10.
Vending apparatus, Refrigerated bottle. A. Carlson. 2,581,170, Jan. 1.
Vending compartment, Coin-operated. C. Fleischer. 2,603,332, July 15.
Vending machine. D. Broyles and C. Russell. 2,621,096, Dec. 9.
Vending machine. H. A. Burggrabe. 2,582,766, Jan. 15.
Vending machine. M. Caruso. 2,593,102, Apr. 15.
Vending machine. W. R. Jones. 2,616,776, Nov. 4.
Vending machine. L. M. Larkin. 2,589,099, Mar. 11.
Vending machine. H. W. Sadler. 2,621,994, Dec. 16.
Vending machine. J. P. Whelan. 2,606,803, Aug. 12.
Vending machine, Apple. E. H. Smiley and F. K. Storm, Jr. 2,604,371, July 22.
Vending machine, Beverage. G. H. Little. 2,617,510, Nov. 11.
Vending machine, Beverage. R. D. Price. 2,621,838, Dec. 16.
Vending machine, Bottle. H. T. Larimore. 2,586,351, Feb. 19.
Vending machine, Coin controlled. Harry S. Childers. 2,610,100, Sept. 9
Vending machine, Coin-controlled. F. M. Saigh, Jr. 2,607,463, Aug. 19.
Vending machine, Coin-controlled. W. M. Stewart. 2,619,399, Nov. 25.
Vending machine, Film. W. S. Falk. 2,581,581, Jan. 8.
Vending machine for bottled goods having vertical rotating basket unit. R. T. Manley. 2,586,241, Feb. 19.
Vending machine for bulk material. L. Spanski. 2,584,750, Feb. 5.
Vending machine for cylindrical articles. M. L. Holt and J. B. Brock. 2,615,773, Oct. 28.
Vending machine for peanuts and the like. D. P. Lee. 2,607,462, Aug. 19.
Vending machine, Merchandise. A. Obodsinski. 2,614,673, Oct. 21.
Vending machine, Newspaper. C. L. Hawks. 2,612,426, Sept. 30.
Vending machine, Portable. W. A. Jenkins. 2,584,708, Feb. 5.
Vending machine, Stamp. C. M. Gottschau. 2,581,323, Jan. 1.
Veneer clipper. G. Haumann. 2,583,051, Jan. 22.
Veneer clipper. D. E. Hervey. 2,623,587, Dec. 30.
Veneer clipper. B. G. Price and K. C. Desler. 2,623,589, Dec. 30.
Veneer clipper and trimmer, Combined. W. E. Smith. 2,616,501, Nov. 4.
Veneer clipper, Pneumatically actuated. D. C. Porter. 2,598,721, June 3.
Veneer handling apparatus. R. N. Ware, Jr., and R. Cannon. 2,593,709, Apr. 22.
Veneer, Method and apparatus for making. L. C. Quimby and A. Quimby, Jr. 2,603,004, July 15.
Veneer trimmer. E. Pedron. 2,609,874, Sept. 9.
Venetian blind. E. Caligari, Jr. 2,603,285, July 15.
Venetian blind. T. W. Collier. 2,587,696, Mar. 4.
Venetian blind. F. Griesser. 2,604,939, July 29.
Venetian blind. S. G. Isserstedt. 2,620,865, Dec. 9.
Venetian blind. W. C. Kincaid. 2,596,413, May 13.
Venetian blind. E. A. Lyons. 2,593,684, Apr. 22.
Venetian blind. M. J. Marduill. 2,584,607, Feb. 5.
Venetian blind. J. K. Martin and D. W. Doughty. 2,598,575, May 27.
Venetian blind. C. S. Ray and C. W. Wrenn. 2,582,162, Jan. 8.
Venetian blind. I. E. Sealy. 2,608,249, Aug. 26.
Venetian blind. W. J. Stuber and J. J. Di Ienno. 2,614,624, Oct. 21.
Venetian blind. R. H. Swackhamer. 2,617,480, Nov. 11.
Venetian blind. M. S. Tarnoff. 2,583,449, Jan. 22.
Venetian blind. B. Walker. 2,582,301, Jan. 15.
Venetian blind. B. Walker. 2,583,031, Jan. 22.
Venetian blind. J. B. Whittaker. 2,585,606, Feb. 12.
Venetian blind, Acoustical. H. K. Phillips. 2,590,204, Mar. 25.
Venetian blind bar organization. H. Nelson. 2,623,581, Dec. 30.
Venetian blind bottom bar organization. H. K. Lorentzen. 2,600,062, June 10.
Venetian blind construction. J. A. Anderle. 2,592,995, Apr. 15.
Venetian blind construction. H. Nelson. 2,618,329, Nov. 18.
Venetian blind construction. E. E. Schaefer. 2,589,147, Mar. 11.
Venetian blind control. T. M. Gertson. 2,594,637, Apr. 29.
Venetian blind enclosure, Transparent flexible. R. Sutz. 2,600,083, June 10.
Venetian blind headbar construction. H. Nelson. 2,593,048, Apr. 15.
Venetian blind head bar organization. H. Nelson. 2,587,752, Mar. 4.
Venetian blind head bar organization. H. Nelson. 2,614,623, Oct. 21.
Venetian blind head bar organization. H. Nelson. 2,622,673, Dec. 23.
Venetian blind hold-down bracket. H. Nelson. 2,614,784, Oct. 21.
Venetian blind, including vertical tapes and means for twisting the upper and lower ends of tapes independently. E. E. Randall. 2,611,426, Sept. 23.
Venetian blind ladder tape. E. Janowski. 2,618,330, Nov. 18.
Venetian blind mechanism. H. Nelson. 2,589,846, Mar. 18.
Venetian blind operating mechanism. F. J. Burns. 2,601,500, June 24.
Venetian blind protector. M. A. and A. A. Guarino. 2,590,767, Mar. 25.
Venetian blind rail. B. B. Junkunc. 2,616,496, Nov. 4.
Venetian blind rail connector. R. H. Wright and A. Zay. 2,598,152, May 27.
Venetian blind slat. T. Miao. 2,603,286, July 15.
Venetian blind slat construction. J. L. Friedman. 2,620,869, Dec. 9.
Venetian blind structure. R. S. King. 2,587,859, Mar. 4.
Venetian blind structure. H. S. Rosenbaum. 2,620,867, Dec. 9.
Venetian blind structure. B. Svirsky. 2,607,409, Aug. 19.
Venetian blind tape, articulated. E. E. Wolfe. 2,601,896, July 1.
Venetian blind tilting mechanism. J. C. Bennett. 2,599,884, June 10.
Venetian blind, Vertical. F. W. and E. O. Bopp. 2,591,775, Apr. 8.
Venocylsis equipment. G. R. Ryan and R. F. McGrew. 2,581,331, Jan. 1.
Vent pipe cap. L. N. Paul and L. E. Sicard. 2,601,820, July 1.
Vented core and mold assembly for molding machines. B. A. Vander Heyden. 2,587,413, Feb. 26.
Vented mold for the manufacture of footwear. J. Vanacker. 2,600,942, June 17.
Vented package. L. L. Salfisberg. 2,595,708, May 6.

Vented shaft seal. H. N. Hoffman. 2,598,381, May 27.
Ventilated cap. H. Lev. 2,590,190, Mar. 25.
Ventilated container. A. J. Stefanich. 2,621,847, Dec. 16.
Ventilated light-responsive lamp-changing mechanism for lighting units. R. E. Crossley and H. M. Pattat. 2,590,513, Mar. 25.
Ventilated rib for shotguns. E. P. Simmons. 2,620,583, Dec. 9.
Ventilated shoe. M. D. Hercog. 2,614,339, Oct. 21.
Ventilated slip pad. F. E. Hite. 2,620,862, Dec. 9.
Ventilated toilet bowl. R. H. Miller. 2,610,328, Sept. 16.
Ventilated wall. W. L. Davis. 2,587,702, Mar. 4.
Ventilating and air conditioning apparatus. G. E. Owens. 2,620,722, Dec. 9.
Ventilating and cooling means for cooking ranges. E. S. Pollock. 2,622,582–3, Dec. 23.
Ventilating and heating device. L. J. Jenn. 2,615,383, Oct. 28.
Ventilating and heating system. P. B. Davis. 2,610,567, Sept. 16.
Ventilating apparatus. E. F. O'Connell. 2,592,174, Apr. 8.
Ventilating apparatus, Room. T. R. Black. 2,592,002, Apr. 8.
Ventilating attachment for the sweatband of hats or caps. J. A. Nyman. 2,597,367, May 20.
Ventilating cap for chimneys and the like. M. R. Hansen. 2,605,693, Aug. 5.
Ventilating chimney. R. G. Hergenrother. 2,619,022, Nov. 25.
Ventilating device. K. M. Ganger and J. B. Burrowes. 2,622,793, Dec. 23.
Ventilating device. J. R. Rauhut. 2,582,356, Jan. 15.
Ventilating device and like air supply and distributing device. T. C. Fitt. 2,618,215, Nov. 18.
Ventilating device for automobiles. H. C. Schreckengost. 2,610,566, Sept. 16.
Ventilating device, Vehicle. J. K. Reed. 2,582,914, Jan. 15.
Ventilating fan and mounting therefor. W. J. Lohman, Jr. 2,612,831, Oct. 7.
Ventilating fixture for telephone booths. D. H. King. 2,607,281, Aug. 19.
Ventilating shutter. W. H. Burke. 2,584,982, Feb. 12.
Ventilating shutter, Automatic. W. J. Lohman, Jr. 2,594,044, Apr. 29.
Ventilating system. E. Lamb. 2,599,925, June 10.
Ventilating system for vehicles. C. F. Henney. 2,605,690, Aug. 5.
Ventilating toilet. F. A. Huff. 2,619,655, Dec. 2.
Ventilating unit. H. D. Euwer. 2,605,691, Aug. 5.
Ventilating unit. O. A. Sutton. 2,617,348, Nov. 11.
Ventilating wall block. N. Cowan. 2,611,310, Sept. 23.
Ventilation. R. L. Rhoades. 2,595,885, May 6.
Ventilation and cooling of household mixers. C. A. Edman. 2,615,942, Oct. 28.
Ventilation control means for vehicles. J. C. Backe. 2,604,837, July 29.
Ventilation control mechanism. H. D. Breen. 2,587,028, Feb. 26.
Ventilation device, Window. J. and E. Rasmus. 2,604,839, July 29.
Ventilation of crankcases for internal-combustion engines. W. S. James. 2,584,090, Jan. 29.
Ventilation system for boarding machines. L. Macrow. 2,614,336, Oct. 21.
Ventilation system for electric machines. S. Gynt. 2,615,938, Oct. 28.
Ventilator. E. J. Allman and E. Yould. 2,601,423, June 24.
Ventilator. F. A. Dahlin. 2,616,354, Nov. 4.
Ventilator. G. Herbster. Re. 23,560, Sept. 30.
Ventilator. J. L. Lyne. 2,620,126, Dec. 2.
Ventilator. R. M. Purdy. 2,607,280, Aug. 19.
Ventilator. H. O. Scheller. 2,596,605, May 13.
Ventilator. S. H. Whissel. 2,602,390, July 8.
Ventilator, Adjustable. H. H. McCabe, J. M. Connell, M. H. Dailey, and L. W. Richards. 2,616,355, Nov. 4.
Ventilator, Adjustable louver. E. F. Bowers. 2,589,529, Mar. 18.
Ventilator blind construction. J. M. Hicks and M. Zolezzi. 2,618,331, Nov. 18.
Ventilator, Crankcase. R. C. Beckett. 2,604,186, July 22.
Ventilator fan mounting. R. V. Pfautsch. 2,619,021, Nov. 25.
Ventilator for beehives, Temperature responsive. M. I. Taylor. 2,584,305, Feb. 5.
Ventilator for cold storage chambers. P. Pouliot. 2,588,289, Mar. 4.
Ventilator for hay and grain containers. C. L. Wise. 2,580,872, Jan. 1.
Ventilator, Kitchen stove. W. A. Pledger. 2,584,613, Feb. 5.
Ventilator mechanism. C. J. Wilhelmi. 2,596,801, May 13.
Ventilator or similar article, Automobile window. H. Buerger. 2,608,435, Aug. 26.
Ventilator, Portable window. J. A. Ferris. 2,595,570, May 6.
Ventilator, Power-operated. F. H. Gohl. 2,582,902, Jan. 15.
Ventilator, Water motor-driven. H. Baither. 2,603,797, July 22.
Ventilator, Window. H. P. Fields and B. Kucinski. 2,583,555, Jan. 29.
Ventilator, Window. E. O. Gillen. 2,599,823, June 10.
Ventilator, Window. E. A. Johnson. 2,614,479, Oct. 21.
Ventilator window construction. H. J. Chapman. 2,587,288, Feb. 26.
Ventilator window frame. H. M. Dodge. 2,593,387, Apr. 15.
Ventilator, Window or wall. W. H. Braskamp. 2,611,608, Sept. 23.
Venting and draining means for pumps. F. W. McCombie. 2,612,846, Oct. 7.
Venting closure and liner therefor. E. L. Dryer. 2,602,559, July 8.
Venting, filling, and gauging device for fuel oil tanks, Combination. J. Brown. 2,599,162, June 3.
Ventless delay initiators for explosive or other charges capable of exothermic reaction, Production of. I. O. Lewis and R. D. J. Owens. 2,619,035, Nov. 25.
Venturi assembly, Adjustable. W. M. Brobeck and J. G. Dorward, Jr. 2,606,573, Aug. 12.
Venturi intake valve. W. J. Huber. 2,591,156, Apr. 1.
Vermin trap. H. Altham. 2,598,205, May 27.
Vernier measuring device. J. W. Crownover and J. Schmidt. 2,585,631, Feb. 12.
Vernier ranging circuit. B. Chance and A. H. Fredrick. 2,589,773, Mar. 18.
Vernier scale measuring device. R. B. Bellmer. 2,591,333, Apr. 1.
Vertical bale elevator. G. H. Huber. 2,615,554, Oct. 28.
Vertical bar and billet mill. W. J. Hill and C. C. Wales. 2,583,844, Jan. 29.
Vertical blind. H. N. Wright. 2,604,159, July 22.
Vertical coking retort with internal heating tubes. H. R. Horner and W. K. Woodward. 2,622,061, Dec. 16.
Vertical deflection system. K. Schlesinger. 2,609,507, Sept. 2.
Vertical feed butter dispenser. R. R. Perkins. 2,616,173, Nov. 4.
Vertical flue downdraft boiler. J. C. Johnson. 2,593,032, Apr. 15.
Vertical-horizontal ball check valve. E. Sokolik. 2,589,581, Mar. 18.
Vertical linearity in television receivers. E. L. Clark. 2,583,323, Jan. 22.
Vertical lumber separator. E. D. Wilson. 2,600,147, June 10.
Vertical opening Gothic arch tracing device. H. Avary. 2,612,688, Oct. 7.
Vertical purifiers or the like. A. Schmalenbach. 2,621,112, Dec. 9.
Vertical retrace blanking. G. J. Heisig. 2,607,847, Aug. 19.
Vertical rolling mills. J. W. Sheperdson and J. M. O'Malley. 2,603,990, July 22.
Vertical sanitary motor. R. I. Robinson. 2,592,070, Apr. 8.
Vertical split head detecting apparatus. J. C. Dionne. 2,614,154, Oct. 14.
Vertical sweep generator. G. W. Fyler. 2,597,092, May 20.
Vertical sweep synchronizing circuit. B. M. Oliver. 2,601,415, June 24.
Vertical water-tube boiler with removable combustion chamber. C. T. Denker and J. R. Moore. 2,607,325, Aug. 19.
Vertically adjustable table. R. Hicks. 2,581,658, Jan. 8.
Vertically adjustable table. E. L. Page. 2,582,791, Jan. 15.
Vertically adjustable table. A. L. Safstrom. 2,599,020, June 3.
Vertically arranged hammer mill. J. Brough. 2,609,152, Sept. 2.
Vertically offset rotary wing axes. F. W. Caldwell. 2,590,064, Mar. 18.
Vertically positioned cooling water pump for internal-combustion engines. J. Cassa. 2,619,909, Dec. 2.
Vertically slidable vehicle door. C. O. Scott. 2,622,919, Dec. 23.
Vertically sliding mold for molding concrete structures. E. J. von Heidenstam and E. I. Lindman. 2,621,389, Dec. 16.
Very high-frequency electron tube. C. W. Hansell. 2,584,802, Feb. 5.
Very high gain traveling-wave tube. L. Brück. 2,623,193, Dec. 23.
Vesicant. R. Macy, B. L. Harris, and J. W. Eastes. 2,604,428, July 22.
Vessel and fluid propelling device. H. J. Shafer. 2,611,321, Sept. 23.
Vessel, Cooking. R. J. Pratt. 2,590,270, Mar. 25.
Vessel, Drinking. N. E. Clemensen. 2,610,489, Sept. 16.
Vessel filling valve. R. F. Quam. 2,590,206, Mar. 25.
Vessel for fluid catalyst reaction with means for varying height of the dense phase. N. P. Peet. 2,615,796, Oct. 28.
Vessel, Internally insulation lined. E. R. Thompson. 2,599,210, June 3.
Vessel, Jacketed cooking. E. L. Kells and G. W. Miller. 2,595,527, May 6.

Vessel, Lead lined. J. I. Harper, F. R. Shuman, Jr., and R. C. Peters. 2,592,419, Apr. 8.
Vessel, Pressure. D. B. Gardner. 2,596,233, May 13.
Vessel, Pressure. W. H. Zollinger. 2,596,353, May 13.
Vessel raising apparatus. W. H. Carter. 2,614,518, Oct. 21.
Vest, Lifesaver. R. J. Boyle. 2,621,342, Dec. 16.
Vestibule mat and cleaning system therefor. L. L. Dollinger. 2,599,049, June 3.
Veterinary anaesthetic preparation. G. H. Clark, F. L. Rose, and H. B. Parry. 2,604,429, July 22.
Vial and applicator therefor. C. H. Brinton. 2,623,229, Dec. 30.
Vial filler. D. D. Washburn and W. L. Elder. 2,586,586, Feb. 19.
Vibrating appliance. H. Waldvogel. 2,622,444, Dec. 23.
Vibrating arrangement for the separation of admixtures from molten metal baths. C. Hannen. 2,583,645, Jan. 29.
Vibrating car unloading device. R. Bauerle and R. L. Wagner. 2,621,813, Dec. 16.
Vibrating equipment. J. H. Linhardt, and L. H. Lehman. 2,617,533, Nov. 11.
Vibrating equipment. L. E. Soldan. 2,599,496, June 3.
Vibrating equipment. L. E. Soldan. 2,609,930, Sept. 9.
Vibrating-hearth furnace. D. A. Knight. 2,611,601, Sept. 23.
Vibrating incremental mold charger or feeder. W. A. Grueneberg. 2,584,444, Feb. 5.
Vibration absorber. E. F. Riopelle. 2,580,839, Jan. 1.
Vibration absorbing mounting for outboard motors. L. D. Watkins. 2,605,734, Aug. 5.
Vibration control unit for piping and the like. R. J. Turpin. 2,621,005, Dec. 9.
Vibration dampener. A. M. Schwartz and H. M. Sonneborn. 2,582,397, Jan. 15.
Vibration dampener mounting for washing machines and the like. P. E. Geldhof. 2,585,107, Feb. 12.
Vibration dampening and insulating means for tools such as dental tools. J. B. Stevens. 2,606,366, Aug. 12.
Vibration dampening motion transmitting element or clutch. R. S. Root. 2,597,380, May 20.
Vibration dampening support for machines. F. F. Zeier. 2,604,283, July 22.
Vibration damper. M. W. Galliers. 2,584,384, Feb. 5.
Vibration damper. J. A. Hardy. 2,594,555, Apr. 29.
Vibration damper. E. F. Riopelle. 2,601,789, July 1.
Vibration damper, Torsional. R. W. Guernsey. 2,585,382, Feb. 12.
Vibration damping mount for machines. L. E. Steimen. 2,613,897, Oct. 14.
Vibration degenerating device. E. R. Gasser and G. H. Hedman. 2,586,157, Feb. 19.
Vibration detector. J. D. Eisler. 2,591,795, Apr. 8.
Vibration insensitive galvanometer device. H.-G. Doll. 2,615,935, Oct. 28.
Vibration isolating support. C. Hussman. 2,597,244, May 20.
Vibration isolating support. M. Mooney and L. E. Copeland. 2,580,815, Jan. 1.
Vibration isolation unit. C. Hussman. 2,597,800, May 20.
Vibration isolator. C. E. Crede. 2,610,016, Sept. 9.
Vibration isolator. F. Lambert, Jr., and C. E. Crede. 2,610,017, Sept. 9.
Vibration isolator. G. J. Muller. 2,591,461, Apr. 1.
Vibration isolator. L. W. Wightman. 2,600,353, June 10.
Vibration measuring device. J. J. Boyd and F. E. Reed. 2,599,539, June 10.
Vibration measuring device. H. F. Clarke. 2,596,529–31, May 13.
Vibration or impact indicator. J. H. Lancor, Jr. 2,619,605, Nov. 25.
Vibration reducing support for washing machines and the like. P. E. Geldhof. 2,589,796, Mar. 18.
Vibration responsive safety cutoff valve. W. W. Crow. 2,615,460, Oct. 28.
Vibration transducer assembly. S. M. Bagno and S. L. Westerman. 2,613,283, Oct. 7.
Vibrato apparatus for electrical musical instruments. J. M. Hanert. 2,580,424, Jan. 1.
Vibrator. H. S. Clark. 2,623,965, Dec. 30.
Vibrator. H. E. Powell. 2,611,015, Sept. 16.
Vibrator. F. W. Side. 2,587,236, Feb. 26.
Vibrator motor. H. L. Snavely. 2,595,718, May 6.
Vibrator, Pneumatic. W. S. Bohlman. 2,609,791, Sept. 9.
Vibrator support with multistage noise attenuation. C. Huetten and J. J. Kaufmann. 2,601,018, July 1.
Vibrator testing apparatus. H. V. Elliott and B. H. Short. 2,623,926, Dec. 30.
Vibrator with keyhole contour reed arm. C. Huetten. 2,600,247, June 10.
Vibratory and rotary ball mill. R. S. Robinson. 2,613,036, Oct. 7.
Vibratory cleansing of objects. M. M. E. Bourgeaux. 2,616,820, Nov. 4.
Vibratory type of synchronous converter. A. J. Williams, Jr., and R. E Tarpley. 2,614,188, Oct. 14.
Video blanking circuit. J. Millman and R. C. Allen. 2,591,088, Apr. 1.
View finder centering device for photographic apparatus. M. N. Fairbank. 2,590,164, Mar. 25.
View-finder for motion-picture cameras, Retractable. J. Brofdo. 2,616,329, Nov. 4.
Viewing apparatus. H. Niessen. 2,619,750, Dec. 2.
Viewing device for radioactive materials. G. S. Monk. 2,594,970, Apr. 29.
Viewing screen. G. L. Fredendall. 2,584,441, Feb. 5.
Viewing screen for color television receivers. K. R. Hoyt. 2,618,759, Nov. 18.
Vine feeding attachment for vine threshers. C. L. Key. 2,611,370, Sept. 23.
Vine moving device. R. J. Lipe and D. C. Casper. 2,603,053, July 15.
Vinyl acetate-allyl acetate copolymer emulsion. H. Rudoff. 2,611,754, Sept. 23.
Vinyl acetate polymerization. S. B. Luce. 2,611,762, Sept. 23.
Vinyl chloride-allyl glycidyl ether copolymers. E. K. Ellingboe. 2,589,237, Mar. 18.
Vinyl chloride and vinyl acetate copolymer plasticized with mixed esters of tetrahydrofurfuryl alcohol. E. I. Valko. 2,616,865, Nov. 4.
Vinyl chloride, Making. G. E. Baxter. 2,585,911, Feb. 19.
Vinyl chloride polymers plasticized with alkyl benzyl tetrachlorophthalates. H. R. Gamrath and W. E. Weesner. 2,588,512, Mar. 11.
Vinyl chloride preparation. H. S. Miller. 2,615,054, Oct. 21.
Vinyl chloride, Preparation of. R. B. Young. 2,590,810, Mar. 25.
Vinyl chloride resins plasticized with esters of phenyl phenoxy acetic acid. J. Dazzi. 2,603,615, July 15.
Vinyl ester copolymers. L. N. Bauer, H. T. Neher, and W. L. Van Horne. 2,600,384, June 17.
Vinyl ester copolymers. L. N. Bauer, W. L. Van Horne, and H. T. Neher. 2,600,385, June 17.
Vinyl esters of a stabilized rosin acid, Preparation of. J. C. Robinson, Jr. 2,615,011–12, Oct. 21.
Vinyl esters of chemically stabilized rosins and polymers thereof. J. C. Robinson, Jr., and W. S. Ropp. 2,614,997, Oct. 21.
Vinyl ethers. T. H. Insinger, Jr. 2,615,050, Oct. 21.
Vinyl fluoride, Preparation of. J. Harmon. 2,599,631, June 10.
Vinyl halide resin stabilized with basic lead phthalate. J. G. Hendricks and H. J. Ratti. 2,608,547, Aug. 26.
Vinyl phenol copolymers. E. M. Evans and J. E. S. Whitney. 2,583,638, Jan. 29.
Vinylpyridine-mercaptan adducts. W. H. Vinton. 2,607,775, Aug. 19.
Vinyl pyridines, Preparation of. J. T. Hays. 2,611,769, Sept. 23.
Vinyl resin floor covering and forming a sealable panel therewith. R. E. Eshenaur and C. L. Brockman. 2,605,514, Aug. 5.
Vinyl resin plasticized with a mixture of a monohydric alcohol ester of the maleic anhydride adduct of rosin acid and a monohydric alcohol ester of a fatty acid. P. F. Bruins and E. J. Kurtz. 2,585,222, Feb. 12.
Vinyl resins and compositions thereof, Heat and light stabilized. J. Harding. 2,597,987, May 27.
Vinyl resins plasticized with tricresyl phosphate and stabilized with barium ricinoleate. M. K. Smith. 2,595,310, May 6.
Vinyl stearate allyl laurate copolymer. L. N. Bauer, W. L. Van Horne, and H. T. Neher. 2,600,382, June 17.
Vinyl tall oil ester coating compositions. P. E. Marling. 2,587,497, Feb. 26.
Vinyltetrahydronaphthalenes, Preparation of. E. A. Kern. 2,588,123, Mar. 4.
Vinylic ethers, Preparation of. D. Maragliano. 2,617,829, Nov. 11.
Vinylidene chloride, Preparing. J. L. Amos. 2,610,214, Sept. 9.
Vinylidene cyanide polymers and polymer products. R. F. Schmidt, A. E. Ardis, and H. Gilbert. 2,589,294, Mar. 18.
Viscera inspection unit. J. A. Sluss. 2,623,238, Dec. 30.
Viscose rayon, Manufacture of. K. M. McLellan. 2,620,258, Dec. 2.
Viscose rayon, Production of. N. Drisch and R. Brapson. 2,586,796, Feb. 26.
Viscose spinning solution. R. D. MacLaurin and W. O. Israel. 2,593,466, Apr. 22.
Viscosity compensating liquid control device. W. A. Biermann. 2,614,577, Oct. 21.
Viscosity control apparatus. D. G. Lants. 2,587,174, Feb. 26.
Viscosity indicating and controlling apparatus. W. M. Trigg. 2,597,138, May 20.
Viscosity measuring apparatus. H. A. von Hortenau. 2,603,087, July 15.
Viscosity meter. E. Merten and M. M. Robinson. 2,607,217, Aug. 19.
Viscosity meter air barrier. L. C. Eitzen. 2,609,682, Sept. 9.
Viscosity-stable casein adhesives. T. A. White. 2,613,155, Oct. 7.
Vise, Fly tier's. R. C. Fischer and O. D. Litsch. 2,586,636, Feb. 19.
Vise, Hand. G. L. Hawkins. 2,595,579, May 6.
Vise having displaceable half nut for quick adjustment, Screw-operated. J. E. Yinger. 2,602,359, July 8.
Vise having displaceable screw segment for quick adjustment. J. F. Eierman. 2,620,695, Dec. 9.

Vise having jaws supportable on flat surface of machine tool by spindle adjustable and lockable in plane parallel to said surface. H. Persson. Re. 23,519, July 1.
Vise having lever-operated slidable jaw, Carpenter's. F. A. and H. F. Guth. 2,616,321, Nov. 4.
Vise having reservoir, pump, and cylinder carried by movable jaw, Hydraulic. J. Helstrom. 2,596,853, May 13.
Vise having safety stop, Quickly adjustable. D. Firth. 2,605,660, Aug. 5.
Vise jaw face plate. A. M. Maroth. 2,609,717, Sept. 9.
Vise jaw, Versatile. C. R. Kinney. 2,606,470, Aug. 12.
Vise-operated rod cutter. G. M. Ernst. 2,582,021, Jan. 8.
Vise, Watchmaker's. A. B. Sinkler. 2,593,703, Apr. 22.
Vise with antitilting means for the movable jaw. V. Spinnler. 2,592,076, Apr. 8.
Vise wrench. E. M. Hadley. 2,613,566, Oct. 14.
Visibility disk for use on wire fences and the like. R. M. Wilson. 2,622,553, Dec. 23.
Visible card index and signal. J. W. Eddy. 2,595,648, May 6.
Visible reference desk stand. F. Conley, and S. G. Budal. 2,617,219, Nov. 11.
Vision light metal slat rolling door. M. L. Cornell and R. K. Bennett. 2,585,627, Feb. 12.
Vision mirror and signaling device, Combination. P. F. Callhan and S. A. Mortenson. 2,595,331, May 6.
Vision testing device, Portable. C. W. Keith. 2,622,474, Dec. 23.
Visual communicating system. H. L. Gerwin and H. A. Humiston. 2,624,043, Dec. 30.
Visual display. J. V. H. Neville. 2,621,430, Dec. 16.
Visual electron flow indicator. L. S. Maloof. 2,600,063, June 10.
Visual indicator and control for miniature trains. P. Roman. 2,609,480, Sept. 2.
Visual record tallying device. J. T. Caradine. 2,612,707, Oct. 7.
Visual selecting device for Chinese typewriters and the like. L. Yutang. 2,613,794, Oct. 14.
Visor and magnifier, Combination. E. G. Steadman, Jr. 2,598,145, May 27.
Visor, Antiglare. P. S. Newton. 2,605,133, July 29.
Visor apparatus. H. W. Smith and C. C. Jackson. 2,581,610, Jan. 8.
Visor, Automobile. G. A. Roberts. 2,580,866, Mar. 18.
Visor, Automobile sun. E. R. Williams. 2,580,632, Jan. 1.
Visor for vehicles. M. U. Squiers. 2,594,231, Apr. 22.
Visor for vehicles and the like. W. P. Solmes. 2,596,873, May 13.
Visor, Sun. J. W. Greig and A. P. Fletcher. 2,596,397, May 13.
Visor using magnetic means for attachment. D. O. Jones. 2,603,530, July 15.
Visor, Windshield. L. W. Hamlin. 2,585,769, Feb. 12.
Visor, Windshield. C. A. Royer. 2,583,306, Jan. 22.
Vitamin A and related compounds, Production of. M. Freed. 2,587,457, Feb. 26.
Vitamin A derivatives and preparing the same. L. Weisler. 2,583,194, Jan. 22.
Vitamin A determination and agents therefor. A. E. Sobel. 2,594,817, Apr. 29.
Vitamin B_1 and its allied compound, Preparing. T. Matsukawa and T. Iwatsu. 2,592,930, Apr. 15.
Vitamin B_6 derivatives. D. H. Hoffman. 2,583,774, Jan. 29.
Vitamin B_{12} composition, Stabilized. H. R. Skeggs. 2,584,627, Feb. 5.
Vitamin B_{12} concentrates from streptomyces griseus cultures, Preparation of. C. E. Meyer and W. H. De Vries. 2,595,159, Apr. 29.
Vitamin B_{12}, Production of. T. R. Wood and D. Hendlin. 2,595,499, May 6.
Vitamin B_{12} purification process. H. H. Fricke. 2,582,589, Jan. 15.
Vitamin B_{12} recovery process. A. J. Holland. 2,621,144, Dec. 9.
Voice frequency signaling circuit. M. A. Lalande. 2,585,019, Feb. 12.
Voice frequency signaling system. E. P. G. Wright. 2,623,951, Dec. 30.
Voice frequency signaling system for telephone systems. W. C. de Vries. 2,620,398, Dec. 2.
Volatilization of tin values of tin ores. D. F. Wells, R. B. Thompson and E. J. Roberts. 2,600,351, June 10.
Volt-ampere meter. P. Baxter. 2,614,139, Oct. 14.
Voltmeter. R. C. Gilbert. 2,602,096, July 1.
Voltmeter, Automatic range-shifting. J. L. Barker. 2,606,943, Aug. 12.
Voltmeter, Mega. C. E. Grunsky. 2,613,235, Oct. 7.
Voltmeter with a plurality of inputs, Electronic. P. W. Crapuchettes. 2,588,209, Mar. 4.
Voltmeter with calibrated resistors, Electronic. M. Fouquart. 2,581,011, Jan. 1.
Voltmeter with micrometer scale, High-voltage spark gap. C. W. McCoy. 2,607,811, Aug. 19.
Voltage and frequency regulator. L. E. Gartner. 2,607,028, Aug. 12.
Voltage control system. A. H. Mittag and M. J. Mulhern. 2,600,315, June 10.
Voltage-dependent resistance blocks. B. Stålhane. 2,589,157, Mar. 11.

Voltage divider. E. H. Osterland. 2,613,345, Oct. 7.
Voltage indicating system. J. T. McNaney. 2,589,721, Mar. 18.
Voltage level selector circuit. G. T. Jacobi. 2,612,550, Sept. 30.
Voltage limiting rectifier unit. H. B. Reynolds. 2,623,119, Dec. 23.
Voltage measuring apparatus. H. Palevsky and R. K. Swank. 2,613,236, Oct. 7.
Voltage multiplying vibrator apparatus. J. R. Gelzer. 2,624,034, Dec. 30.
Voltage power supply. A. W. Friend. 2,594,006, Apr. 22.
Voltage pulse generating circuit. L. Bess. 2,589,767, Mar. 18.
Voltage pulse generator. D. F. Winter. 2,603,752, July 15.
Voltage-regulated electrical power supply. B. M. Cole and F. Kerkhof. 2,591,918, Apr. 8.
Voltage regulating apparatus. N. D. Diamantides. 2,614,241, Oct. 14.
Voltage regulating circuit. W. E. Large. 2,617,977, Nov. 11.
Voltage regulating system. O. D. Grandstaff. 2,600,639, June 17.
Voltage regulating system. H. J. McCreary. 2,623,205, Dec. 23.
Voltage regulation. B. E. Stevens. 2,608,681, Aug. 26.
Voltage regulation. J. R. Stone. 2,604,619, July 22.
Voltage regulation for electrostatic generators. H. W. Bousman. 2,588,081, Mar. 4.
Voltage regulation system. C. Juhola. 2,590,180, Mar. 25.
Voltage regulator. A. O. Bunblasky and A. K. Brown. 2,607,912, Aug. 19.
Voltage regulator. L. L. Helterline, Jr. 2,602,915, July 8.
Voltage regulator. W. J. Holt, Jr. 2,621,321, Dec. 9.
Voltage regulator. F. J. Lupo. 2,594,572, Apr. 29.
Voltage regulator. H. M. Ogle. 2,615,155, Oct. 21.
Voltage regulator adjustment. J. A. Umbarger, and G. E. Heveran. 2,617,907, Nov. 11.
Voltage regulator circuit. L. E. Raburn and J. P. Woods. 2,609,527, Sept. 2.
Voltage regulator system. J. Kurshan. 2,624,038, Dec. 30.
Voltage regulator tester. P. M. Schaefer. 2,623,925, Dec. 30.
Voltage sensitive circuit. W. H. T. Holden. 2,590,248, Mar. 25.
Voltage stabilizer. O. H. Schmitt. 2,599,945, June 10.
Voltage transformer, Adjustable. C. E. Nobles and R. Lee. 2,583,152, Jan. 22.
Voltage unbalance indicating system. A. G. Clarke. 2,591,511, Apr. 1.
Volume compression circuit. D. E. Roberts. 2,596,510, May 13.
Volume control apparatus. P. J. Culicetto. 2,615,999, Oct. 28.
Volume control for oscillators, Automatic. E. W. Houghton. 2,595,662, May 6.
Volumetric feeder. E. Pick and G. R. Carlsson. 2,619,261, Nov. 25.
Volumetric hydraulic system for precisely controlling position. H. B. Calvert. 2,613,703, Oct. 14.
Volumetric packaging machine. L. M. Haugen. 2,616,591, Nov. 4.
Vortex control system. H. E. Criner. 2,622,735, Dec. 23.
Vortex producing mechanism for mixing combustion chamber fluids. J. G. Lee. 2,607,191, Aug. 19.
Voucher card machine release interlock. F. R. Werner. 2,587,019, Feb. 26.
Vulcanizable chlorosulfonated polymers. A. McAlevy. 2,586,363, Feb. 19.
Vulcanizable copolymers of isobutylene and 10-70 per cent combined butadiene. J. F. Nelson and L. M. Welch. 2,607,764, Aug. 19.
Vulcanization accelerator comprising a mixture of a heterocyclic mercaptan derivative and a thiocarbamyl aminomethyl sulfide. R. A. Mathes. 2,604,462, July 22.
Vulcanization of acrylic resins. W. C. Mast, C. E. Rehberg, and C. H. Fisher. 2,600,414, June 17.
Vulcanization of rubber. R. B. Hill. 2,591,547, Apr. 1.
Vulcanization of rubber with aromatic sulfonamide activators. A. Tomlin. 2,590,737, Mar. 25.
Vulcanization of rubbery butadiene-styrene copolymers. O. H. Smith. 2,580,857, Jan. 1.
Vulcanization of tires with high-frequency fields and apparatus therefor. A. G. Seifried. 2,611,152, Sept. 23.
Vulcanizing annular articles. F. F. Brucker. 2,599,046, June 3.
Vulcanizing apparatus. P. J. Mamola. 2,615,082, Oct. 21.
Vulcanizing apparatus. J. H. Ramsey. 2,603,834, July 22.
Vulcanizing apparatus for retreading tires. H. T. Kraft. 2,606,342, Aug. 12.
Vulcanizing apparatus for V-belts. W. A. Spiers. 2,602,961, July 15.
Vulcanizing apparatus for V belts and the like, Flexible sleeve type. J. F. Campbell. 2,583,085, Jan. 22.
Vulcanizing machine. G. E. Apel and D. F. Collins. 2,591,995, Apr. 8.

Vulcanizing machine, Electric. A. D. Slatkin. 2,581,608, Jan. 8.
Vulcanizing method and apparatus, Continuous. G. E. Henning. 2,581,255, Jan. 1.
Vulcanizing patch. W. M. Anderson. 2,618,016, Nov. 18.
Vulcanizing rubber and products thereof. D. J. Beaver. 2,582,670, Jan. 15.
Vulcanizing rubber and product thereof. B. O. Zerbe. 2,582,732, Jan. 15.
Vulcanizing rubber with sulfur. C. R. Johnson. 2,623,079, Dec. 23.
Vulcanizing sponge rubber. D. E. Lovell. 2,595,964, May 6.
Vulcanizing unit. V. H. Hurt. 2,589,390, Mar. 18.
Wading pool, Portable. B. B. Murad and E. Moir. 2,580,942, Jan. 1.
Wagon drill. A. Feucht. 2,621,896, Dec. 16.
Wagon hoist. D. E. and H. D. Moore. 2,599,772, June 10.
Wagon hoist. R. M. Ulrich. 2,596,948, May 13.
Wagon, Picnic. A. J. Messler. 2,603,500, July 15.
Waistband. M. Heller. 2,590,616, Mar. 25.
Waistband, Automatic adjustable. R. R. Fanning. 2,599,983, June 10.
Waistband for garments. H. Hardie. 2,617,113, Nov. 11.
Waistband for use on garments. L. H. Edgard. 2,583,689, Jan. 29.
Waistband, Skirt. K. King. 2,618,783, Nov. 25.
Waist grip belt strap. A. Grisanti. 2,589,802, Mar. 18.
Walkabout. B. Ames. 2,621,707, Dec. 16.
Walking aid. J. C. Burkett. 2,580,888, Jan. 1.
Walking aid for small children. B. Dunkelman. 2,594,625, Apr. 29.
Walking cast shoe. R. F. Larkin. 2,614,340, Oct. 21.
Walking support. A. McFarland, W. H. Reetz and W. E. Burbank. 2,594,051, Apr. 22.
Walking trainer for spastic children. J. J. Block. 2,591,912, Apr. 8.
Wall anchoring device. R. M. James. 2,588,631, Mar. 11.
Wall and desk telephone set, Combined. T. C. Riebe. 2,603,719, July 15.
Wall assembly. W. S. Miles. 2,582,144, Jan. 8.
Wall attached closure remover with releasable retainer. A. Kowarsch. 2,599,462, June 3.
Wallboard and making the same, Decorated. T. P. Camp. 2,581,076, Jan. 1.
Wallboard containing a phenol formaldehyde resin and cattail fibers. E. M. S. Nuncio. 2,610,160, Sept. 9.
Wall box. L. D. Bermann. 2,611,501, Sept. 23.
Wall box for remote control systems. F. H. Osborne. 2,585,401, Feb. 12.
Wall bracket supported liquid soap dispenser. W. J. Dobkin. 2,583,688, Jan. 29.
Wall cabinet with lighting fixture to illuminate the interior thereof and direct light downwardly therefrom. C. S. Motter. 2,594,792, Apr. 29.
Wall construction. T. R. Drake and L. R. Huston. 2,603,841, July 22.
Wall construction. T. B. Hurd. 2,595,665, May 6.
Wall construction. I. P. Whitehouse and A. G. Damon. 2,612,246, Sept. 30.
Wall construction and skeleton therefor. A. Y. Preble and J. F. Golden. 2,602,322, July 8.
Wall construction for buildings. A. Horowitz. 2,594,928, Apr. 29.
Wall corner forming tool. S. T. Shields. 2,616,285, Nov. 4.
Wall display fixture. D. L. Mapson. 2,614,701, Oct. 21.
Wall form spreader tie. A. H. Symons. 2,584,822, Feb. 5.
Wall form system. W. H. Kenney. 2,613,424, Oct. 14.
Wall mounted electric outlet. I. Brouillette. 2,613,245, Oct. 7.
Wall opening form. A. E. Troiel. 2,602,983, July 15.
Wall outlet box mounting. F. B. Shepard. 2,586,728, Feb. 19.
Wallpaper affixing device. A. C. Smith. 2,607,507, Aug. 19.
Wallpaper display. H. E. Stewart. 2,589,641, Mar. 18.
Wallpaper holder. A. L. Wornstaff. 2,594,835, Apr. 29.
Wallpaper pasting and trimming machine. W. C. Renne. 2,613,632, Oct. 14.
Wallpaper trimming and pasting and measuring machine. J. Elda. 2,614,521, Oct. 21.
Wall plug. M. D. Gibson. 2,610,013, Sept. 9.
Wall receptacle and cover, Spaced. M. S. Ziskin and R. B. Billig. 2,602,564, July 8.
Wall receptacle and dispenser for gaseous material. R. W. Ryan. 2,602,569, July 8.
Wall stud and fire wall construction. A. P. Buquor and R. H. Crouse. 2,621,763, Dec. 16.
Wall thickness gauge. R. E. Wagenhals. 2,607,127, Aug. 19.
Wall treatment of tubing. J. Lysobey. 2,600,254, June 10.
Wall with sound absorbing material positioned behind an array of sound reflectors. E. T. Fisk and A. Wood. 2,584,797, Feb. 5.
Wallet. C. Grabborn. 2,595,843, May 6.
Wallet. H. R. Hutchinson. 2,601,145, June 17.
Wallet. I. Jagoden. 2,613,717, Oct. 14.
Wallet and purse, Combined. S. Knee. Re. 23,578, Nov. 11.
Wallet and purse, Combined. S. Knee. 2,581,029, Jan. 1.
Wallet clip. L. L'Esperance and E. Y. Keith. 2,604,918, July 29.
Wallet construction, Stitchless. F. A. Brady. 2,607,384, Aug. 19.
Wallet, Foldable. F. G. and S. H. Dobbs. 2,589,481, Mar. 18.
Wallet or similar article with secret compartment. S. Knee. 2,604,134, July 22.
Wallet, Three unit. A. C. Linehan. 2,606,589, Aug. 12.
Wardrobe case. H. E. Mall and W. S. Reier. 2,604,960, July 29.
Wardrobe storage means. J. S. Zibell. 2,608,457, Aug. 26.
Wardrobe type foldable luggage bag. M. Kish, Jr., J. R. McNeil and E. Kirby. 2,596,412, May 13.
Ware piling apparatus. J. C. Bongiovanni. 2,603,363, July 15.
Warming device. H. R. Jorgensen. 2,617,005, Nov. 4.
Warning and lubricating device for hot journals. M. C. Toth. 2,599,672, June 10.
Warning device for an oil well derrick. A. H. Sherwood. 2,581,721, Jan. 8.
Warning light. T. E. McDowell. 2,607,838, Aug. 19.
Warning means for safety discharge outlets. H. E. Heigis. 2,580,426, Jan. 1.
Warning signal. J. Insul. 2,617,881, Nov. 11.
Warning signal and trouble lamp, Combination. E. E. Franz. 2,620,388, Dec. 2.
Warp beam. F. Eastwood, L. Lasch, and A. E. Rogers. 2,580,533, Jan. 1.
Warp beam coupling. R. L. Booth. 2,609,005, Sept. 2.
Warp beam mount. E. A. Klessling, F. G. Lake, and F. Stephensen. 2,617,447, Nov. 11.
Warp clamp. B. D. White. 2,608,742, Sept. 2.
Warp corrector for table tops. F. M. Brandon. 2,602,718, July 8.
Warp knitting machine and setting the knitting elements thereof. R. Peel, A. W. H. Porter, and J. L. M. Morrison. 2,618,138, Nov. 18.
Warp tension compensator. K. Kulczycki and W. D. Lowe. 2,589,498, Mar. 18.
Warp uniting mechanism. R. P. Drake. 2,617,173, Nov. 11.
Warp yarn feed device. E. Bellini. 2,618,945, Nov. 25.
Wash box discharge control. C. W. Lotz. 2,606,661, Aug. 12.
Wash mitts, Making. W. J. Lorenz. 2,590,983, Apr. 1.
Wash plug. R. J. Gollong. 2,600,638, June 17.
Washstand combined with water closet. G. O. Sillén. 2,595,009, Apr. 29.
Washer: *See*—
Air washer.
Ceiling washer.
Convertible clothes or dish washer.
Drive washer.
Dry cleaning washer.
Fountain pressure supply car washer.
Fountain sponge washer.
Golf ball washer.
Lock washer.
Mouth washer.
Reverse flow surge washer.
Sealing washer.
Spring thrust washer.
Vegetable and fruit washer.
Water sealed air washer.
Washer and drier, Combination. A. R. Constantine. 2,607,209, Aug. 19.
Washer attachment for ice crushers. H. A. Lehman and J. A. and W. W. Bateman. 2,592,044, Apr. 8.
Washer with rotary liquid agitator. I. I. Hance. 2,597,931, May 27.
Washer with scum accumulator. G. P. Castner. 2,595,053, Apr. 29.
Washing and cleaning gun. W. C. Uhri. 2,606,073, Aug. 5.
Washing and cooling means for the plungers of high-pressure homogenizer pumps and the like. R. A. Yohpe. 2,591,902, Apr. 8.
Washing and drying machine. D. W. Smith. 2,591,209, Apr. 1.
Washing and ironing machine, Towel. A. Miller. 2,609,623, Sept. 9.
Washing and screening machine. R. Cover. 2,588,088, Mar. 4.
Washing and squeeze drying machine, Combined. L. M. Kahn. 2,611,257, Sept. 23.
Washing and the extraction of wash water. L. M. Kahn. 2,588,535, Mar. 11.
Washing apparatus. C. H. Schaar and G. J. Zilligen. 2,590,353, Mar. 25.
Wasning apparatus. H. Scheibler. 2,616,280, Nov. 4.
Washing bag. E. B. Lyon. 2,602,482, July 8.
Washing composition. V. Dvorkovitz and T. G. Hawley, Jr. 2,584,017, Jan. 29.
Washing composition. V. Dvorkovitz and T. G. Hawley, Jr. 2,615,846, Oct. 28.
Washing device. M. Paul. 2,593,178, Apr. 15.
Washing device for artificial dentures. M. Ward. 2,609,828, Sept. 9.
Washing machine. K. Clark. 2,618,141, Nov. 18.
Washing machine. R. S. Gaugler. 2,593,292, Apr. 15.
Washing machine. G. C. Graham. Re. 23,483, Apr. 29.
Washing machine. G. C. Graham. 2,610,497, Sept. 16.
Washing machine. H. Hovden. 2,585,464, Feb. 12.
Washing machine. J. B. Kirby. 2,580,435, Jan. 1.
Washing machine. O. F. Quartullo and H. Baade. 2,592,330, Apr. 8.
Washing machine. H. J. Rand. 2,599,483, June 3.
Washing machine. C. O. Rasmussen. 2,591,290, Apr. 1.

Washing machine and drive therefor. B. W. Chapin. 2,588,963, Mar. 11.
Washing machine and transmission therefor. G. Fields. 2,583,168, Jan. 22.
Washing machine, Automatic. C. S. Jacobs and M. F. Wilcox. 2,598,918, June 3.
Washing machine, Automatic. T. R. Smith. 2,588,774, Mar. 11.
Washing machine, Bottle. C. L. Gerlach. 2,607,361, Aug. 19.
Washing machine control, Automatic. D. L. Clark and J. W. McNairy. 2,599,234, June 3.
Washing machine control, Automatic. H. A. Jones. 2,608,082, Aug. 26.
Washing machine control circuit. H. E. Morrison. 2,604,497, July 22.
Washing machine, Egg. R. A. Joseph. 2,597,148, May 20.
Washing machine embodying fluid spraying apparatus, Industrial. D. P. Smith, 2,597,132, May 20.
Washing machine, Fabric. A. H. Haberstump. 2,593,752, Apr. 22.
Washing machine for baking utensils. H. M. Sadwith. 2,598,074, May 27.
Washing machine, Glass. H. C. Husemann. 2,599,455, June 3.
Washing machine having a nonrigid container. H. J. Rand. 2,596,791, May 13.
Washing machine having a resiliently supported tub structure. E. O. Morton. 2,613,837, Oct. 14.
Washing machine having means for attaching same to a vehicle wheel. E. J. D. Stokes and A. P. D. Stokes, Jr. 2,608,083, Aug. 26.
Washing machine, Including control valve. F. J. Cozzoli. 2,604,896, July 29.
Washing machine, Jet action. W. L. Pengelly. 2,592,596–7, Apr. 15.
Washing machine, Jet circulation. T. F. Russell. 2,610,499, Sept. 16.
Washing machine provided with adjustable float valve. F. H. Condon. 2,619,824, Dec. 2.
Washing machine provided with flexible seal. T. R. Smith. 2,605,628, Aug. 5.
Washing machine provided with interlocking lid mounted vibration control means. T. R. Smith, and D. P. Combs. 2,612,766, Oct. 7.
Washing machine provided with loading and unloading passageway. O. M. Anderson. 2,594,112, Apr. 22.
Washing machine provided with manually operated lid mounted sequential control switch. D. W. Wible. 2,619,822, Dec. 2.
Washing machine provided with resilient agitator. J. A. Castricon. 2,619,827, Dec. 2.
Washing machine provided with self-cleaning filter. T. R. Smith. 2,621,505, Dec. 16.
Washing machine provided with vibration dampener and mounting. J. B. Kirby. 2,614,410, Oct. 21.
Washing machine, Pump operated recirculation. A. Guzzetti and M. Almasso. 2,589,247, Mar. 18.
Washing machine transmission. F. H. Condon. 2,585,300, Feb. 12.
Washing machine transmission. G. W. Dunham. 2,583,823, Jan. 29.
Washing machine tub and spin basket. H. M. Dodge. 2,620,070, Dec. 2.
Washing machine with centrifugal extractor and stabilizer therefor. G. P. Castner and A. D. Lund. Re. 23,481, Apr. 29.
Washing machine with detergent injector, Automatic. A. R. Constantine. 2,612,034, Sept. 30.
Washing machine with water balancer. A. H. Davis and R. L. Archbold. 2,603,982, July 22.
Washing or drying machine. C. O. Rasmussen. 2,620,644, Dec. 9.
Washing powder from a normally oily liquid synthetic soapless detergent, Production of. F. J. Pollok. 2,603,605, July 15.
Washing residues, Method of and apparatus for. E. G. Judd. 2,594,175, Apr. 22.
Washing spongy material. J. T. Marvin and G. H. McFadden. 2,583,183, Jan. 22.
Waste can closure operator and support. B. F. Hamilton. 2,615,663, Oct. 28.
Waste can, lid, and enclosure, Combined. R. Lehman. 2,621,099, Dec. 9.
Waste disposal apparatus with time delay switch. J. H. Powers. 2,615,636, Oct. 28.
Waste disposal unit for sinks. P. A. Frank. 2,615,176, Oct. 28.
Waste heat vapor generator. C. L. Marques, Jr. 2,620,780, Dec. 9.
Waste material disposal apparatus. D. O. Tranbarger. 2,594,250, Apr. 22.
Waste receptacle. S. F. Croft, Jr. 2,602,584, July 8.
Waste stopper device. H. R. Schlichting. 2,615,177, Oct. 28.
Watch. S. M. Kudelski. 2,582,706, Jan. 15.
Watch case construction. N. Slater. 2,619,792, Dec. 2.
Watchcase, Tight. C. Arnoux. 2,587,087, Feb. 26.
Watchcase, Waterproof. H. B. Vermot. 2,609,655, Sept. 9.
Watchcase, Watertight. E. Vaurillon. 2,589,902, Mar. 18.
Watch crown, Dustproof. R. Feurer. 2,592,881, Apr. 15.
Watch crystal. K. P. Schenke. 2,595,172, Apr. 29.
Watch hand pressing tool. J. W. Clark. 2,613,562, Oct. 14.
Watch housing. E. Devay. 2,617,249, Nov. 11.
Watch, Interchangeable casing wrist. M. G. Lavigne. 2,605,604, Aug. 5.
Watchmaker's appliance. E. K. Syrstad. 2,617,006, Nov. 4.
Watchmaker's poising tool. A. W. Kennedy. 2,618,967, Nov. 25.
Watchmaker's roller table jewel pin setting jig. J. Aiello. 2,612,801, Oct. 7.
Watch mechanism, Dead-second. F.-A. Robert-Charrue. 2,591,876, Apr. 8.
Watch movement. W. T. Harris and F. R. McAloon. 2,618,118, Nov. 18.
Watch movement fastener. E. Ditesheim. 2,586,419, Feb. 19.
Watch or clock movement with manual and automatic winding mechanism. H. Stamm. 2,603,941, July 22.
Watch roller jewel setter. M. J. Freeman. 2,598,527, May 27.
Watch, Self-winding. M. Colomb. 2,585,228, Feb. 12.
Watch timing device. C. E. Farris. 2,587,452, Feb. 26.
Watch, Watertight. W. Schmitz and J. Schneider. 2,602,286, July 8.
Watch winding and setting mechanism. E. A. Chiffelle. 2,589,052, Mar. 11.
Water- and flameproofing composition. J. F. McCarthy. 2,591,368, Apr. 1.
Water and foam sprinkler unit, Combination. L. W. Boerner. 2,601,899, July 1.
Water bag carrier. F. W. Greuling. 2,594,640, Apr. 29.
Water bottle holder for tape dispensing machines. L. Walters. 2,580,624, Jan. 1.
Water bottle or the like, Stopperless. D. J. Miller. 2,622,646, Dec. 23.
Water chlorinators and water chlorination systems. W. F. Kloth. 2,623,014, Dec. 23.
Water closet. S. Duner. 2,602,185, July 8.
Water closet. M. J. Kumnick. 2,599,765, June 10.
Water closet, Close-coupled. H. F. Smith. 2,590,471, Mar. 25.
Water closet flush tank. D. E. Gulick and J. M. Hendrickson. 2,623,216, Dec. 30.
Water conditioning device. V. J. Palmer. 2,604,446, July 22.
Water control roller for offset presses. R. C. Delaplane. 2,584,380, Feb. 5.
Water control system for automatic washers and the like. J. H. Palmer. 2,619,823, Dec. 2.
Water-cooled arc lamp carbon holder. J. A. Grayson. 2,620,373, Dec. 2.
Water-cooled lintel and skewback channel cooler. H. F. Nulph. 2,614,545, Oct. 21.
Water-cooled tubular spout for molten fluid. W. S. Patterson. 2,602,022, July 1.
Water cooler. A. Seligman. 2,587,772, Mar. 4.
Water cooler and filter. S. O. Morrison. 2,623,367, Dec. 30.
Water cooling system for outboard motors. E. C. Kiekhaefer. 2,616,386, Nov. 4.
Watercraft. B. K. L. Almqvist and B. O. Elgström. 2,597,048, May 20.
Water dam for flooding roofs or the like. A. Mathels. 2,618,356, Nov. 18.
Water dispersible dry preparations of hardenable binding agents. L. Schibler. 2,585,967, Feb. 19.
Water disposal arrangement for refrigerators. J. B. Tucker. 2,606,426, Aug. 12.
Water distributing apparatus for evaporative coolers. V. C. Lehmann. 2,590,779, Mar. 25.
Water distributing device. W. H. Coles. 2,586,517, Feb. 19.
Water-emulsifiable metallic paste pigments. W. B. Roberts. 2,587,268, Feb. 26.
Water emulsifiable metallic paste pigments. R. I. Wray and W. B. Roberts. 2,587,266, Feb. 26.
Water-emulsifiable metallic paste pigments. R. I. Wray and W. B. Roberts. 2,587,267, Feb. 20.
Water emulsifiable soil-poison concentrate. P. G. Benignus. 2,588,318, Mar. 4.
Water filter. A. P. Heldenbrand. 2,586,226, Feb. 19.
Water fountain standard. F. H. Myers. 2,586,979, Feb. 26.
Water gauge. B. E. Folke. 2,585,104, Feb. 12.
Water gauge sight glass. R. M. Henderson. 2,620,662, Dec. 9.
Water guard and guide for ball valves. O. H. Schuh. 2,603,793, July 22.
Water gun. I. Richardson. 2,589,963, Mar. 18.
Water gun. J. Stelzer. 2,589,977, Mar. 18.
Water heater. J. S. Conner. 2,592,863, Apr. 15.
Water heater. A. A. Glawe. 2,608,957, Sept. 2.
Water heater. D. L. Raymond. 2,617,391, Nov. 11.
Water heater. A. P. Ritter. 2,604,888, July 29.
Water heater control. W. W. Carson, Jr. 2,596,812, May 13.
Water heater system. A. J. Burklin. 2,591,400, Apr. 1.
Water-heating gas burner. J. Hobbs. 2,581,189, Jan. 1.
Water-heating means. W. G. G. Cuddon. 2,598,111, May 27.
Water-heating means. G. Stanley. 2,604,880, July 29.

Water-heating system. M. A. Thomas. 2,604,265, July 22.
Water-heating system. R. W. Tiley. 2,598,860, June 3.
Water-heating unit. H. W. Peters. 2,594,067, Apr. 22.
Water in oil emulsions containing 1,2-alkanediols as coupling agents. P. J. Garner and P. A. Winsor. 2,606,874, Aug. 12.
Water injecting system for internal-combustion engines. L. L. Littlejohn and J. C. Gullett. 2,591,272, Apr. 1.
Water injector and method. W. W. Cushman. 2,586,789, Feb. 26.
Water inlet for dishwashers or the like. R. C. Hagen. 2,619,977, Dec. 2.
Water level responsive control switch assembly. C. E. Arney. 2,583,077, Jan. 22.
Water metering flush valve assembly. P. Romanelli and C. Miller. 2,612,187, Sept. 30.
Water motion for offset presses. H. W. Faeber and O. and L. V. Dutro. 2,580,667, Jan. 1.
Water or vapor injector for internal-combustion engines. G. Sudmeier. 2,611,345, Sept. 23.
Water pipe draining apparatus. P. W. Roberts. 2,616,441, Nov. 4.
Water pipe heater. C. R. Trowbridge. 2,620,430, Dec. 2.
Water-powered actuator. J. T. Mitchell. 2,599,273, June 3.
Water-pressure bearing. L. S. Smathers. 2,586,269, Feb. 19.
Waterproof container. R. J. Swanson. 2,586,740, Feb. 19.
Waterproof drain pad for children's cribs. G. A. Yancofski. 2,614,273, Oct. 21.
Waterproof pilot lamp. R. Sculthorpe. 2,586,869, Feb. 26.
Waterproof watchcase. H. Dinstman. 2,613,494, Oct. 14.
Water purification. D. H. Quinn. 2,595,290, May 6.
Water purification apparatus. O. Makkonen. 2,585,808, Feb. 12.
Water purifier, Portable. L. W. Rogers. 2,604,991, July 29.
Water-repellent compositions. T. J. Rasmussen. 2,612,482, Sept. 30.
Water-repellent glass fiber fabric. G. Slayter. 2,604,688, July 29.
Water-repellant gypsum product. W. C. Riddell and G. B. Kirk. 2,610,130, Sept. 9.
Water repellent gypsum product and making same. W. C. Riddell and G. B. Kirk. 2,597,901, May 27.
Water repellent textiles and making same. A. A. Cook, N. C. Shane, and E. B. Whitworth. 2,603,576, July 15.
Water repellent treatment of textiles with long chain substituted phenol aldehyde resin emulsion. C. G. Dodd. 2,582,239, Jan. 15.
Water-resistant polyvinyl alcohol filament and producing same. E. T. Cline, P. S. Pinkney, L. Plambeck, Jr., and H. B. Stevenson. 2,610,360, Sept. 16.
Water saving device for flush tanks. C. M. McCormack and S. S. Faranda. 2,602,934, July 15.
Water sealed air washer. D. T. Collins. 2,585,440, Feb. 12.
Water service device. J. W. McGarry and H. A. Eads. 2,598,708, June 3.
Water service fixture. T. E. Bart. 2,598,488, May 27.
Water service fixture. T. E. Bart. 2,600,187, June 10.
Water softening apparatus. H. F. Purcell and E. K. Butler. 2,610,945, Sept. 16.
Water softening system. L. E. Albertson. 2,607,728, Aug. 19.
Water softening system valve. R. D. Zimmerman. 2,588,317, Mar. 4.
Water soluble alkoxyl substituted chalcone glycosides, Preparing. C. W. Wilson. 2,615,015, Oct. 21.
Water-soluble azo dyes and water-soluble bases therefor, Preparation of. L. F. Koberlein and O. Politersdorf. 2,606,896, Aug. 12.
Water soluble cellulosic yarn produced by reacting cellulose, sulphuric acid, cyanamide, and a metal sulfate. F. Ward and E. E. Tallis. 2,603,551, July 15.
Water-soluble combination products of gossypol and amino acids. A. M. Altschul and L. E. Castillon. 2,582,949, Jan. 22.
Water-soluble combination products of gossypol and proteins. A. M. Altschul and L. E. Castillon. 2,581,342, Jan. 8.
Water-soluble derivatives of unsulfonated lignin. W. J. Balon. 2,600,606, June 17.
Water-soluble lithium salts from lithium alkali phosphates, Production of. J. W. Sprauer. 2,595,176, Apr. 29.
Water-soluble multifilament yarn and making it. A. T. Walter and B. A. Price. 2,609,569, Sept. 9.
Water soluble potassium polymetaphosphate from potassium kurrol salt, Preparation of. E. C. Broge. 2,619,429, Nov. 25.
Water-soluble surface active agents from olefin polymers. L. A. Mikeska. 2,600,415, June 17.
Water spray attachment for pressing irons. F. H. Richterkessing and C. D. Hargadon. 2,602,704, July 8.
Water supply fitting, Hot and cold. S. Storrie. 2,585,184, Feb. 12.
Water supply inlet means for toilet flush tanks. B. O. Graham. 2,595,937, May 6.
Water supply or control apparatus. G. Collman. 2,608,987, Sept. 2.
Water supply system, Domestic. F. N. Gilder. 2,604,110, July 22.
Water system. V. L. Andrew. 2,623,467, Dec. 30.
Water system. J. Mann. 2,619,036, Nov. 25.
Water system for battery brooders, Automatic sanitary. N. V. Spring. 2,585,698, Feb. 12.
Water system for dishwashing machines. J. L. Jones. 2,607,628, Aug. 19.
Water system protection for vacuum type washing. H. J. Rand. 2,584,290, Feb. 5.
Water system, Refrigerated. E. J. Coletti. 2,597,293, May 20.
Watertight cable connector. R. L. Hargett. 2,605,315, July 29.
Watertight edge for railway car doors. G. Madland. 2,587,868, Mar. 4.
Watertight slide fastener closure. I. Shur. 2,615,224, Oct. 28.
Water-tolerant, heat-convertible, heat- and steam-setting resins for use in inks. K. A. Earhart and A. L. Davis. 2,581,335, Jan. 8.
Water treatment. L. W. Petersen. 2,623,850, Dec. 30.
Water treatment apparatus and control valve therefor. E. M. Deters and J. L. Bovee, Jr. 2,620,299, Dec. 2.
Water trip switch. A. V. Hughes and L. B. Rademacher. 2,589,547, Mar. 18.
Water tube steam generator of the field tube type. W. Y. Lewis. 2,600,999, June 17.
Water tunnel. H. E. Saunders, C. A. Lee, E. A. G. Marvinney and W. F. Brownell, Jr. 2,593,491, Apr. 22.
Water turbine and propeller pump. O. E. Alm. 2,616,663, Nov. 4.
Water wall boiler with undulating flue. J. A. Rydberg. 2,619,942, Dec. 2.
Water wash booth. J. A. Paasche. 2,583,390, Jan. 22.
Water wheel. L. C. Wales. 2,608,379, Aug. 26.
Waterer and feeder device. J. D. and L. K. Simmons. 2,586,872, Feb. 26.
Watering and feeding device for stock cars. J. M. Coyner. 2,595,337, May 6.
Watering device, Plant medium. M. Epstein. 2,595,782, May 6.
Watering system. W. A. Ray. 2,599,862, June 10.
Watering system, Automatic. R. W. Drake. 2,620,770, Dec. 9.
Wattage control system for vapor arc lamps. L. F. Bird. 2,593,651, Apr. 22.
Wave analyzer tor determining fundamental frequency of a complex wave. E. Peterson. 2,593,694, Apr. 22.
Wave and tide motor. C. Cohen. 2,622,687, Dec. 23.
Wave filter. A. G. Fox. 2,588,226, Mar. 4.
Wave filter. R. P. Leroy. 2,591,838, Apr. 8.
Wave filter. W. D. Lewis and W. W. Mumford. 2,585,563, Feb. 12.
Wave form converter. R. M. Page. 2,582,271, Jan. 15.
Wave front modifying wave guide system. R. B. Robertson-Shersby-Harvie and R. G. Garratt. 2,599,864, June 10.
Wave generating circuits. A. M. Skellett. 2,609,508, Sept. 2.
Wave generating circuits. A. M. Skellett. 2,614,222, Oct. 14.
Wave guide. L. E. Loveridge. 2,623,121, Dec. 23.
Wave guide attenuator. A. E. Bowen. 2,600,466, June 17.
Wave guide attenuator. E. F. Grant. 2,619,538, Nov. 25.
Wave guide attenuator. W. H. Hewitt, Jr. 2,602,857, July 8.
Wave guide attenuator. P. B. King, Jr. 2,613,270, Oct. 7.
Waveguide attenuator. R. B. Nelson. 2,594,978, Apr. 29.
Wave guide attenuator, Rotatable. A. E. Bowen. 2,603,709, July 15.
Wave guide coupling between coaxial lines. A. G. Fox. 2,588,103, Mar. 4.
Wave guide dielectric protection. R. V. L. Hartley. 2,602,858, July 8.
Wave guide feed for cylindrical paraboloid. H. J. Riblet. 2,589,433, Mar. 18.
Wave guide feed for illuminating parabolic reflectors. L. C. Van Atta. 2,605,419, July 29.
Wave guide impedance element. A. G. Fox. 2,607,850, Aug. 19.
Wave guide incident wave measurement. T. Miller. 2,602,827, July 8.
Wave guide joint. W. A. Aron. 2,597,143, May 20.
Wave guide lens system. W. E. Kock. 2,596,251, May 13.
Wave guide phase shifter. A. G. Fox. 2,599,753, June 10.
Wave guide rotary joint. R. C. Habich. 2,596,398, May 13.
Wave guide stub. J. F. Zaleski. 2,596,458, May 13.
Wave guide switch. C. W. Miller. 2,588,934, Mar. 11.
Wave guide transmission system. R. H. Dicke. 2,593,120, Apr. 15.
Wave length modulator. E. G. Beard. 2,601,427, June 24.
Wave motor assembly. H. M. Smurr. 2,613,868, Oct. 14.
Wave polarization shifter systems. W. E. Kock. 2,588,249, Mar. 4.
Wave signal responder system. J. R. Whitehead and H. Wood. 2,588,444, Mar. 11.
Wave transmission amplifier. C. C. Cutler and W. E. Mathews. 2,608,623, Aug. 26.
Waving hair. J. C. E. Butterfield. 2,606,564, Aug. 12.
Wax cake. P. F. Dougherty. 2,588,812, Mar. 11.

Wax composition. L. M. Sesso and A. M. Jordan. 2,598,666, June 3.
Wax compositions. J. M. Butler. 2,580,996, Jan. 1.
Wax compound and making. R. B. Trusler. 2,596,829, May 13.
Wax emulsion polishing composition containing silica. R. K. Iler. 2,597,871, May 27.
Wax injecting machine. A. Finelt. 2,602,189, July 8.
Wax lubricating composition. E. C. O'Neil. 2,610,150, Sept. 9.
Wax paper dispenser. C. L. McGehee. 2,614,015, Oct. 14.
Wax powder applicator and offset eliminator. W. R. Dreesen. 2,613,633, Oct. 14.
Wax product and preparing the same. J. B. Hill and S. W. Ferris. 2,598,257, May 27.
Wax production process. W. P. Ridenour. 2,611,734, Sept. 23.
Wax refining. P. F. Dougherty and C. H. Brooks. 2,585,895, Feb. 12.
Waxer and polisher. H. B. Ohrt. 2,618,798, Nov. 25.
Waxing machine, Potato. T. J. Lockwood. 2,595,151, Apr. 29.
Waxy triglycerides. F. L. Jackson. 2,615,159, Oct. 21.
Weakly basic anion-exchange polymers. G. W. Bodamer. 2,597,439, May 20.
Weaning bit. J. L. Hobby. 2,604,069, July 22.
Weapons handling unit. R. M. Stanley. 2,613,822, Oct. 14.
Wear bushing structure for percussive tools. J. C. Curtis and E. G. Gartin. 2,608,181, Aug. 26.
Wear compensating device for vehicle brakes. A. Freund. 2,619,198, Nov. 25.
Wear indicating device for drill bits. D. L. Del'Homme. 2,582,312, Jan. 15.
Wear indicating device for drill bits. J. C. Stokes. 2,580,860, Jan. 1.
Wear plate for brake heads. T. J. Sweger and M. S. Johnson. 2,599,876, June 10.
Wear plate for the breech mechanism of guns. S. J. Finn. 2,613,576, Oct. 14.
Wear resistant blower surface. E. M. Parrish. 2,616,764, Nov. 4.
Wearing apparel, Article of. B. Liebowitz. 2,601,036, June 17.
Wearing apparel, Waist-fitting. A. H. Bubb. 2,581,627, Jan. 8.
Wearing shoes for ore separators. E. C. Bitzer. 2,610,739, Sept. 16.
Weatherproof breather and relief vent for gas regulators. C. D. Peterson. 2,620,087, Dec. 2.
Weatherproof folding chair. A. C. Foss. 2,586,216, Feb. 19.
Weatherproofing. H. A. Smith. 2,595,419, May 6.
Weather-resistant concrete. P. J. Keating, Jr. 2,614,939, Oct. 21.
Weather-resistant support and housing for electrical devices. W. G. Holmes. 2,602,107, July 1.
Weather seal for closures. A. G. Dean. 2,613,617, Oct. 14.
Weather sealing strip. J. H. Orr. 2,602,202, July 8.
Weather shield. S. B. Williams and C. O. Butler. 2,583,759, Jan. 29.
Weather shield for automobile windows. G. A. Pritchard. 2,599,014, June 3.
Weather strip. D. C. Bailey. 2,613,408, Oct. 14.
Weather strip. S. D. Bradley. 2,581,574, Jan. 8.
Weather strip. T. J. R. Bright. 2,620,524, Dec. 9.
Weather strip. G. C. Hayman. 2,615,214, Oct. 28.
Weather strip. G. G. Hunter. 2,593,305, Apr. 15.
Weather strip and refrigerator gasket. H. G. Beck. 2,615,212, Oct. 28.
Weatherstrip and retainer, Combined. E. D. Scott. 2,612,665, Oct. 7.
Weather strip and sash balance, Combination. W. E. Bartlett. 2,609,572, Sept. 9.
Weatherstrip construction. G. E. Gagnier. 2,607,965, Aug. 26.
Weatherstrip for metal casement windows. D. J. Burch. 2,588,697, Mar. 11.
Weather stripping. H. B. Foresman. 2,613,407, Oct. 14.
Weather stripping for storm doors. H. W. Sidden. 2,612,664, Oct. 7.
Weather stripping in window sash. W. P. Kessler. 2,599,183, June 3.
Weathertight sliding car door. G. Madland. 2,580,804, Jan. 1.
Weathertight sliding car door. G. Madland. 2,588,134, Mar. 4.
Weaving device. D. R. Simonds. 2,601,715, July 1.
Weaving electrical resistance devices. J. F. Levers and R. V. Patchett. 2,582,342, Jan. 15.
Weaving in shuttleless looms. W. J. Budzyna and M. R. Flamand. 2,604,124, July 22.
Weaving loom. F. J. Ahrens. 2,613,691, Oct. 14.
Weaving pile fabrics. F. P. Groat. 2,604,120, July 22.
Weaving pile fabrics. F. P. Groat. 2,609,839, Sept. 9.
Weaving pile fabrics, Method and apparatus for. S. S. C. Fleischer and C. C. Thomsen. 2,623,546, Dec. 30.
Weaving shuttle construction. H. Slowak. 2,589,972, Mar. 18.
Weaving shuttle having a mechanically anchored tip. W. J. Gosselin. 2,618,297, Nov. 18.
Web carrier and making. O. W. Berglund. 2,589,765, Mar. 18.
Web centering device. L. P. Morey. 2,607,588, Aug. 19.
Web drying apparatus. H. K. Steinfeld. 2,616,188, Nov. 4.
Web drying device. F. Sibel. 2,591,307, Apr. 1.
Web feeding means for cutting machines. F. K. Madgwick and J. A. Silvaggio. 2,593,585, Apr. 22.
Web feeding mechanism for carton blank forming machines. J. R. Baumgartner. 2,616,689, Nov. 4.
Web feeding mechanism for package forming machines. J. G. Vergobbi. 2,596,625, May 13.
Web folder and stitcher apparatus. D. W. Ellis, Sr. 2,619,057, Nov. 25.
Web guiding device. L. C. Nield. 2,601,713, July 1.
Web handling device. W. E. Le Clair. 2,597,877, May 27.
Web perfecting, folding, and cutting machine with endless band printing members. L. de Flores. 2,600,215, June 10.
Web perforating mechanism. G. Kane. 2,621,741, Dec. 16.
Web register control system. J. W. Ludwig. 2,583,580, Jan. 29.
Web reinforcing machine. A. B. Stevenson and W. H. Cannard. 2,620,015, Dec. 2.
Web-renewing mechanism for printing and other machines. T. R. Bennett. 2,620,994, Dec. 9.
Web roll accelerating apparatus. P. L. Tollison. 2,601,071, June 17.
Web roll changer. W. C. Wieking. 2,621,865, Dec. 16.
Web tension apparatus. K. G. Laycock. 2,623,703, Dec. 30.
Web-tensioning mechanism for use on printing machines. T. R. Bennett, and C. E. F. Willis. 2,617,610, Nov. 11.
Web unrolling apparatus. C. A. Dickhaut. 2,582,820, Jan. 15
Web winder. W. E. Aulen. 2,619,298, Nov. 25.
Web winder reel. A. K. Post. 2,613,880, Oct. 14.
Web winding device. D. C. Jeffrey, Jr. 2,620,993, Dec. 9.
Web winding machine. E. D. Nystrand. 2,611,552, Sept. 23.
Wedding and engagement ring ensemble and coupling for same. J. H. Schaeffer. 2,615,313, Oct. 28.
Wedge-actuated clamp. D. F. Wolfe. 2,596,635, May 13.
Wedge adjustment torsion bar spring. J. E. Collier. 2,606,758, Aug. 12.
Wedge closure fitting. L. J. Weber and L. D. Ringo. 2,588,313, Mar. 4.
Wedge facing machine. G. Eaton. 2,593,124, Apr. 15.
Wedge parallel gauge. D. E. Stainton. 2,592,758, Apr. 15.
Wedge sawing machine. E. L. McCormick. 2,581,682, Jan. 8.
Wedge testing. H. A. Reece. 2,595,295, May 6.
Wedging bench clamp. E. J. Watt and A. Nelson. 2,612,917, Oct. 7.
Weed burner. O. L. Garretson and C. O. Henneman. 2,601,895, July 1.
Weed-cutting apparatus. K. F. Williams. 2,603,051, July 15.
Weed cutting attachment, Adjustable. W. T. Graham. 2,595,351, May 6.
Weed destroying machine. L. D. Hillyer. 2,597,485, May 20.
Weed guard for artificial lures. J. E. Wadlington and R. Stinnitt. 2,612,715, Oct. 7.
Weed guard for fishhooks. B. Hayden. 2,586,162, Feb. 19.
Weed guard for fishhooks, Demountable. B. Hayden. 2,615,277, Oct. 28.
Weed guard for outboard motors. W. W. K. Van Nort. 2,597,551, May 20.
Weedhook for plows. E. E. Sands. 2,615,382, Oct. 28.
Weed killing apparatus, Electric. F. W. and W. H. Opp. 2,591,597, Apr. 1.
Weeder. H. D. Erlebach, Sr. 2,593,283, Apr. 15.
Weeding implement. R. Johnson. 2,606,055, Aug. 5.
Weeding tool. J. Hanzlik. 2,583,214, Jan. 22.
Weedless fishing lure. F. F. Siebert. 2,619,763, Dec. 2.
Weft change box mechanism for looms for weaving. F. S. Eves. 2,615,475, Oct. 28.
Weft detecting mechanism for looms. H. A. Whitin. 2,593,079, Apr. 15.
Weft detector for looms. S. F. Siciliano. 2,600,365, June 10.
Weft replenishing apparatus for weaving looms. H. J. Cooper. 2,609,008, Sept. 2.
Weft replenishing loom operating with two shuttles. R. G. Turner. 2,609,844, Sept. 9.
Weft straightener. T. M. Berry. 2,623,262, Dec. 30.
Weft-straightening apparatus. J. D. Robertson. 2,587,224, Feb. 26.
Weft yarn ensnaring apparatus for automatic looms. L. L. Hawkins. 2,593,302, Apr. 15.
Weigh can dumping control. V. Schwarzkopf. 2,612,180, Sept. 30.
Weigh feeder. R. M. Wiley. 2,619,256, Nov. 25.
Weigh table or hopper for cupola or furnace charging. H. S. Bradley. 2,605,096, July 29.
Weighing and dispensing machine, Automatic. C. M. Parrish. 2,618,456, Nov. 18.
Weighing and filling machine. J. L. Ferguson and R. C. Talbot. 2,608,372, Aug. 26.
Weighing and measuring device. H. I. Mandolf and J. B. Morrow. 2,603,474, July 15.

Weighing and mixing machine, Combination. W. A. Kuring and B. A. Erickson. 2,609,172, Sept. 2.
Weighing and packaging apparatus. F. Slusher. 2,592,074, Apr. 8.
Weighing and packaging machine. L. D. Caron, Jr., and W. J. Hoenecke. 2,614,786, Oct. 21.
Weighing and sacking machine. O. T. Horn. 2,598,260, May 27.
Weighing apparatus. P. M. Bollek. 2,598,494, May 27.
Weighing apparatus. L. L. Campbell. 2,605,695, Aug. 5.
Weighing apparatus. A. van Duyn. 2,601,648, June 24.
Weighing machine. J. K. Bache. 2,593,086, Apr. 15.
Weighing machine. R. B. Brown. 2,580,993, Jan. 1.
Weighing machine. G. A. Olofsson and L. N. Chubb. 2,681,695, Jan. 8.
Weighing machine, Automatic. L. R. Muskat. 2,613,905, Oct. 14.
Weighing machine, Automatic. G. M. Tracy. 2,595,908, May 6.
Weighing machine, Check. S. R. Howard and R. W. Vergobbi. 2,590,704, Mar. 25.
Weighing mechanism, Automatic. J. D. Conti. 2,597,069, May 20.
Weighing mechanism, Photoelectric. D. W. Molins, C. Best, and E. A. Chandler. 2,595,803, May 6.
Weighing scale indicia illuminator. J. M. Little and C. G. Blank. 2,616,389, Nov. 4.
Weighing scale pendulum. L. S. Williams. 2,592,499–500, Apr. 8.
Weighing scale poise. H. W. Hem. 2,582,485, Jan. 15.
Weighing system. W. D. Macgeorge. 2,610,052, Sept. 2.
Weighing system. W. E. Moss and O. Garripolo. 2,605,694, Aug. 5.
Weighing system for a processing operation. G. W. Reilly, Jr. 2,581,204–5, Jan. 1.
Weight actuated mechanism and machine. P. G. Crisafulli. 2,620,914, Dec. 9.
Weight and balance indicator. T. M. Blackmon and F. D. Porter. 2,615,330, Oct. 28.
Weight determining apparatus. E. J. Demas. 2,613,927, Oct. 14.
Weight per unit length sorting device. W. R. Oyston. 2,581,698, Jan. 8.
Weight-shifting device for dual axle vehicles. R. C. Bissell. 2,599,043, June 3.
Weight-shifting logging sulky. L. R. Simmons. 2,612,279, Sept. 30.
Weighted denture. A. Bühler. 2,616,175, Nov. 4.
Weighting means for the drafting rollers in preparatory and spinning machines. J. Noguera. 2,602,966, July 15.
Weighting member for card sorting racks. A. L. Mohrmann. 2,613,815, Oct. 14.
Weightless sliding and swinging sash construction. C. Goering. 2,589,799, Mar. 18.
Weld analyzer. R. O. Ellerby. 2,616,014, Oct. 28.
Weld bead trimmer. G. B. Tener and C. D. Hazen. 2,608,138, Aug. 26.
Welded article and making the same. F. A. Gruetjen. 2,587,840, Mar. 4.
Welded joint. O. R. Carpenter. 2,588,700, Mar. 11.
Welded plow frog. R. J. Altgelt. 2,622,502, Dec. 23.
Welder control system. E. G. Anger. 2,623,146, Dec. 23.
Welder, Portable. W. Hagelganz. 2,600,643, June 17.
Welder's protection means. A. R. Beauverger. 2,618,781, Nov. 25.
Welding. A. J. Nerad. 2,582,268, Jan. 15.
Welding aluminum and its alloys, Method and apparatus for. L. B. Wilson. 2,583,455, Jan. 22.
Welding burner with detachable tip. J. A. Österlind. 2,607,404, Aug. 19.
Welding cabinet. R. Ruemelin. 2,590,577, Mar. 25.
Welding control. C. B. Stadum and W. E. Large. 2,590,582, Mar. 25.
Welding device. R. W. Clack. 2,613,305, Oct. 7.
Welding device. C. C. Peck and W. Gunzelman. 2,602,869, July 8.
Welding fixture. L. W. Evans. 2,607,310, Aug. 19.
Welding helmet with air pressure responsive shiftable eye protective lens. W. A. Schnitzler. 2,613,353, Oct. 14.
Welding joint and backing therefor. B. Ronay. 2,623,148, Dec. 23.
Welding machine. J. H. Abbott. 2,620,420, Dec. 2.
Welding machine. E. Katz. 2,583,575, Jan. 29.
Welding method and apparatus. R. C. Andersen. 2,612,580, Sept. 30.
Welding molybdenum. W. W. Watrous, Jr. 2,623,975, Dec. 30.
Welding nut. J. B. Demboske. 2,595,830, May 6.
Welding plastic films. E. L. Kirk. 2,596,933, May 13.
Welding process and joint. A. G. Butler. 2,603,735, July 15.
Welding process for joining a metal body and a semiconducting body composed of metallic and ceramic material. H. Pedersplel. 2,599,751, June 10.
Welding resistance. R. J. Cottingham. 2,599,613, June 10.
Welding rod. H. Robinson. 2,612,581, Sept. 30.
Welding rod feeding device for torch carriages. C. H. Gerlach. 2,602,412, July 8.
Welding rod holder. H. B. Bergeson. 2,609,471, Sept. 2.
Welding rod or wire. R. D. Collnet. 2,613,304, Oct. 7.
Welding seams in the manufacture of lift-type gas holders. A. C. Thompson. 2,621,399, Dec. 16.
Welding shaft and the like. W. C. Dunn. 2,583,362, Jan. 22.
Welding shield. J. W. Clerke. 2,582,860, Jan. 15.
Welding stud. T. Nelson. 2,612,394, Sept. 30.
Welding system. M. Michelet. 2,602,155, July 1.
Welding system. C. E. Smith. 2,597,959, May 27.
Welding system with postheat control, Three-phase. J. L. Solomon. 2,600,585, June 17.
Welding the longitudinal seams of barrel blanks and the like, Method and apparatus for. J. L. Anderson. 2,580,502, Jan. 1.
Welding thermoplastic sheets. L. L. Young. 2,609,482, Sept. 2.
Welding through pressure. G. H. Lagarde and J. Bulota. 2,597,153, May 20.
Welding tool. J. S. Wolfe. 2,592,505, Apr. 8.
Welding transformer. G. Monette. 2,591,582, Apr. 1.
Welding transformer. A. Schuttler. 2,605,376, July 29.
Well and making it, A. Elmendorf. 2,587,985, Mar. 4.
Well casing gun. W. R. Evans. 2,593,866, Apr. 22.
Well cementing apparatus. R. C. Baker and B. Kriegel. 2,593,520, Apr. 22.
Well cementing apparatus. J. V. Johnson. 2,602,511, July 8.
Well cementing tool. C. C. Taylor. 2,607,425, Aug. 19.
Well clearing apparatus. L. H. Rhoads. 2,597,261, May 20.
Well completion. T. S. West. 2,623,595, Dec. 30.
Well conductor perforating gun. W. B. Atwood. 2,590,366, Mar. 25.
Well cylinder and force pump, Combined. L. H. Lower. 2,604,053, July 22.
Well derrick, rig and pipe racking apparatus. J. W. Menhall. 2,615,585, Oct. 28.
Well digging tool. U. Sandona. 2,604,709, July 29.
Well-drilling bit. P. A. McMurdy and O. N. Donehoo. 2,599,854, June 10.
Well drilling composition. W. E. Gloor. 2,618,595, Nov. 18.
Well drilling, Directed. D. B. Grable. 2,586,939, Feb. 26.
Well drilling indicating apparatus. J. W. Pitcher and J. T. Callahan, Jr. 2,623,387, Dec. 30.
Well-drilling machine. O. A. Causey. 2,595,126, Apr. 29.
Well drilling pipe. J. E. Smith. 2,610,028, Sept. 9.
Well drilling rig. A. R. Maier and J. W. Jacoby. 2,613,059, Oct. 7.
Well drilling rig. J. W. Menhall. 2,615,679, Oct. 28.
Well drilling transmission power means. C. S. Crickmer. 2,620,165, Dec. 2.
Well explosive. J. L. Foster. 2,616,370, Nov. 4.
Well fishing tool. J. J. Davis. 2,617,486 Nov. 11.
Well fishing tool. J. A. Holland. 2,614,881, Oct. 21.
Well flow device. R. O. Walton. 2,594,831, Apr. 29.
Well flow regulating apparatus. H. C. Otis and J. C. Lucrons. 2,592,325, Apr. 8.
Well fluid holding device. R. G. Taylor, Jr., and T. B. Losey. 2,609,258, Sept. 2.
Wellhead. J. E. Eckel. 2,591,142, Apr. 1.
Wellhead. J. E. Eckel and F. Richard. 2,589,483, Mar. 18.
Well head seal. J. E. Eckel. 2,610,689, Sept. 16.
Well head sealing arrangement. M. T. Works. 2,582,518, Jan. 15.
Well jar. E. and L. T. Koppl. 2,621,024, Dec. 9.
Well logging apparatus. A. B. Long. 2,590,982, Apr. 1.
Well logging apparatus. H. R. Scivally. 2,600,336, June 10.
Well logging apparatus. B. W. Sewell. 2,623,805, Dec. 30.
Well logging apparent dip determining apparatus. A. B. Hildebrandt and L. W. Ledgerwood, Jr. 2,592,422, Apr. 8.
Well logging system, Electromagnetic. H.-G. Doll. 2,582,314, Jan. 15.
Well manifold. R. L. Crain. 2,590,688, Mar. 25.
Well or borehole logging. J. J. Arps. 2,583,288, Jan. 22.
Well packer. C. H. Barnes. 2,603,294, July 15.
Well packer. O. T. Broyles. 2,605,845, Aug. 5.
Well packer. M. B. Conrad and R. K. Matlack. 2,602,513, July 8.
Well packer. I. Daetwiler. 2,582,530, Jan. 15.
Well packer. G. Green. 2,595,573, May 6.
Well packer. W. E. Lynd. 2,618,340, Nov. 18.
Well packer. L. D. Meddick and J. T. Gardiner. 2,618,341, Nov. 18.
Well packer. J. S. Page. 2,606,618, Aug. 12.
Well packer. C. C. Taylor. 2,607,424, Aug. 19.
Well packer. J. D Whitten. 2,603,295, July 15.
Well packer lock device. R. C. Baker and T. M. Ragan. 2,598,340, May 27.
Well packer with expandible seals. E. B. Armstrong. 2,589,656, Mar. 18.
Well pressure gauge. P. J. Natho. 2,598,932, June 3.
Well productivity logging. D. Silverman. 2,585,412, Feb. 12.
Well pump valve. J. N. Martin. 2,591,174, Apr. 1.
Well pumping system. M. W. Haines. 2,590,146, May 13.
Well rod grab. R. E. Axelstrom. 2,590,487, Mar. 25.
Well screen. G. F. Abendroth. 2,600,150, June 10.
Well servicing rig, Portable. J. P. Selberg. 2,595,307, May 6.

Well swab. R. G. Taylor, Jr. 2,581,981, Jan. 8.
Well swab. R. A. and J. A. Wilson. 2,619,393, Nov. 25.
Well tester. T. S. West. 2,613,747, Oct. 14.
Well treating and flow controlling device. I. A. Miller. 2,604,169, July 22.
Well treating and flow controlling device. H. C. Otis. 2,606,616, Aug. 12.
Well treatment apparatus. J. D. Haynes. 2,599,386, June 3.
Welt shoe having the insole and filler free from the outsole in the fore-part. L. P. Vall. 2,605,559, Aug. 5.
Welt stick mechanism of straight bar knitting machines. L. Brown and J. E. Lynam. 2,618,947, Nov. 25.
Welt turning apparatus. L. Brown and J. E. Lynam. 2,618,948–9, Nov. 25.
Welting. B. W. Price. 2,601,688, July 1.
Welting for fenders and the like. L. S. Lewis. 2,616,722, Nov. 4.
Werner-type metal compounds as laminating and coating compositions. M. T. Goebel and R. K. Iler. 2,597,721, May 20.
Wet armature motor and pump combination. T. C. Lloyd. 2,603,162, July 15.
Wet blasting apparatus. K. F. Hamacher. 2,613,482, Oct. 14.
Wet plug for well pipes. C. J. McCoy. 2,605,847, Aug. 5.
Wet process for Portland cement manufacture. J. C. Witt. 2,611,714, Sept. 23.
Wet separator for purifying a particle laden gas current. T. Blomén. 2,598,032, May 27.
Wet strength paper and the production thereof. J. H. Daniel, Jr., and C. G. Landes. 2,595,935, May 6.
Wet strength paper using polyarylbiguanide-uren resin, Preparing. J. R. Dudley and J. A. Anthes. 2,596,014, May 6.
Wetting baled tobacco, Method and apparatus for. R. D. Touton. 2,591,026, Apr. 1.
Whaler holder. H. A. Patton. 2,602,620, July 8.
Whatnot shelf. W. B. Palkman. 2,582,557, Jan. 15.
Wheatstone bridge having stylus shunting one arm. F. T. Turner. 2,607,844, Aug. 19.
Wheel: *See*—

Abrasive polishing wheel.	Roller skate wheel.
Abrasive wheel.	Rotary hoe wheel.
Buffing wheel.	Safety automobile steering wheel.
Car wheel.	Safety disk wheel.
Casterable airplane wheel.	Sealed wheel.
Demountable wheel.	Sectional buffing wheel.
Disk wheel.	Skate wheel.
Emergency wheel.	Staking wheel.
Fan wheel.	Stamping wheel.
Fifth wheel.	Steering wheel.
Grinding wheel.	Track magnetizing wheel.
Motor containing wheel.	Tractor fifth wheel.
Polishing wheel.	Turbine wheel.
Portable Ferris wheel.	Universal action fifth wheel.
Press wheel.	Variable abrasive belt backup wheel.
Pressed metal vehicle wheel.	Vehicle wheel.
Propulsion wheel.	Water wheel.
Quick detachable wheel.	Work wheel.
Resilient soil-working toothed wheel.	
Resilient wheel.	

Wheel. B. L. Mills. 2,623,792, Dec. 30.
Wheel. C. R. Paton. 2,609,856, Sept. 9.
Wheel adaptable to different hubs. A. G. Adair. 2,590,363, Mar. 25.
Wheel adjuster. M. R. Grismore. 2,591,253, Apr. 1.
Wheel aligning device. N. G. Otis. 2,590,722, Mar. 25.
Wheel aligning device. G. Pascoe. 2,595,604, May 6.
Wheel aligning mechanism, Numeral. F. W. Cunningham. 2,586,520, Feb. 19.
Wheel alignment apparatus. E. Volls. 2,601,187, June 17.
Wheel alignment device. L. F. Jezek. 2,618,862, Nov. 25.
Wheel alignment gauge. H. O. Holaday. 2,603,881, July 22.
Wheel alignment gauge. E. Pleasance. 2,598,599, May 27.
Wheel and axle assembly. R. A. Shields. 2,618,521, Nov. 18.
Wheel and axle assembly, Adjustable. D. F. Sherman. 2,599,136, June 3.
Wheel and brake assembly. W. H. du Bois. 2,616,525, Nov. 4.
Wheel and mounting means therefor, Vehicle. H. L. Kelderman. 2,592,707, Apr. 15.
Wheel and tire for airplanes. C. Buckwalter. 2,620,010, Dec. 2.
Wheel and tire lifter. A. R. Burch. 2,613,084, Oct. 7.
Wheel assembling machine. F. P. Sharpe. 2,594,506, Apr. 29.
Wheel assembly. J. C. Melling. 2,599,120, June 3.
Wheel assembly, Adjustable. W. G. Spurlin and H. L. Brock. 2,613,113, Oct. 7.
Wheel assembly, Demountable. C. A. Humma. 2,611,653, Sept. 23.
Wheel assembly, Vehicle. W. A. Stanitski. 2,591,631, Apr. 1.
Wheel attachment for a two-wheel hand truck, Additional. B. Hooz and S. T. Mello. 2,598,168, May 27.
Wheel balancer. H. J. Steel. 2,587,402, Feb. 26.
Wheel balancer, Automobile. C. B. Rogers. 2,588,766, Mar. 11.
Wheel balancing machine. J. W. F. Holl. 2,592,804, Apr. 15.
Wheelbarrow. J. E. O'Shea. 2,591,857, Apr. 8.
Wheelbarrow and hose reel, Combined. F. C. Cootware. 2,608,360, Aug. 26.
Wheelbarrow and trailer, Combination. A. E. Rehnberg. 2,606,771, Aug. 12.
Wheelbarrow, Balanced load. J. Dwyer. 2,588,503, Mar. 11.
Wheelbarrow, Dumping. A. R. Hines. 2,589,694, Mar. 18.
Wheelbarrow with resiliently supported dump body. S. Slaughter. 2,617,682, Nov. 11.
Wheelbarrow with shiftable load supporting handles. E. Hrabal. 2,598,261, May 27.
Wheel brake device. C. M. Hartnett. 2,618,363, Nov. 18.
Wheel brake drum assembly. H. K. Gandelot. 2,599,707, June 10.
Wheel carried applying and removing antiskid device. S. W. Wheeler. 2,614,600, Oct. 21.
Wheel chain and bed, Combination. R. E. Balluff. 2,607,929, Aug. 26.
Wheel chair walking apparatus, Detachable. J. D. Thomas. 2,596,055, May 6.
Wheel changing device. J. V. Drum. 2,600,740, June 17.
Wheel checking device. N. J. Brouwer. 2,613,447, Oct. 14.
Wheel chock. R. H. George. 2,591,348, Apr. 1.
Wheel chock, Folding. J. M. Cless. 2,585,370, Feb. 12.
Wheel chock for dual wheel vehicles. W. G. Watkins. 2,612,239, Sept. 30.
Wheel chock for wheeled vehicles. G. R. Forbas. 2,623,759, Dec. 30.
Wheel construction for front wheel drives. H. R. Holmes. Re. 23,465, Mar. 4.
Wheel contouring device. F. C. Oliver. 2,602,438, July 8.
Wheel control mechanism for golf club carriages. W. C. Alexander. 2,610,864, Sept. 16.
Wheel cover. G. A. Lyon. 2,581,424, Jan. 8.
Wheel cover. G. A. Lyon. 2,584,142, Feb. 5.
Wheel cover. G. A. Lyon. 2,597,880, May 27.
Wheel cover. G. A. Lyon. 2,598,705, June 3.
Wheel cover. G. A. Lyon. 2,600,410–11, June 17.
Wheel cover. G. A. Lyon. 2,601,209, June 17.
Wheel cover. G. A. Lyon. 2,601,309, June 24.
Wheel cover. G. A. Lyon. 2,602,705, July 8.
Wheel cover. G. A. Lyon. 2,607,632, Aug. 19.
Wheel cover. G. A. Lyon. 2,609,245–6, Sept. 2.
Wheel cover. G. A. Lyon. 2,621,978, Dec. 16.
Wheel cover securing means. N. Rycroft. 2,614,001, Oct. 14.
Wheel cover structure. G. A. Lyon. 2,597,881, May 27.
Wheel cover structure. G. A. Lyon. 2,600,412, June 17.
Wheel covers, Making. G. A. Lyon. 2,597,010, May 20.
Wheel cylinder for hydraulic brake mechanism. A. Y. Dodge. 2,603,952, July 22.
Wheel dressing and forming apparatus. N. Hoglund. 2,596,555, May 13.
Wheel dressing mechanism. C. W. Hopkins and R. I. Eyler. 2,601,290, June 24.
Wheel dressing unit. S. P. Bruce. 2,592,241, Apr. 8.
Wheel driven stone gathering machine. C. A. Egstad. 2,618,111, Nov. 18.
Wheel finishing machine. E. N. Broden. 2,581,928, Jan. 8.
Wheel for hand trucks, Foldable. C. Reichert. 2,606,770, Aug. 12.
Wheel for tank structures. J. E. Christie. 2,599,233, June 3.
Wheel for tractors, Auxiliary. F. White. 2,613,955, Oct. 14.
Wheel for vehicles, Powered caster. M. B. Swisher and G. L. Boothe. 2,582,177, Jan. 8.
Wheel gauge. B. Castiglia. 2,608,000, Aug. 26.
Wheel gauge. T. F. Krumm. 2,618,072, Nov. 18.
Wheel gauge mounting. W. and G. F. Bagge. 2,608,368, Aug. 26.
Wheel gauging apparatus. T. Carrigan. 2,581,630, Jan. 8.
Wheel guard, Quick-set. J. W. Voll. 2,580,979, Jan. 1.
Wheel guide. E. E. White. 2,607,536, Aug. 19.
Wheel-handling device. J. V. Drum. 2,600,741–2, June 17.
Wheel hub cable power unit combination winch and hoist. J. Heller. 2,610,826, Sept 16.
Wheel lift for vehicle testing machines. H. L. Bennett. 2,583,201, Jan. 22.
Wheel mount and draft gear arrangement for harvester combines, Adjustable. W. R. Dray. 2,615,294, Oct. 28.
Wheel-mounted drum filling assembly. A. A. Aines. 2,611,523, Sept. 23.
Wheel mounting. C. L. Eksergian. 2,597,835, May 20.
Wheel mounting. C. M. Muir. 2,622,932, Dec. 23.
Wheel mounting device. G. Bergonzo. 2,597,433, May 20.
Wheel mounting for band saws. E. C. Karp. 2,606,049, Aug. 5.
Wheel mounting for coal mine haulage vehicles, Driven dirigible. W. R. Beck. 2,602,518, July 8.
Wheel mounting for concrete mixers or the like, Adjustable. R. J. Kacena. 2,587,046, Feb. 26.
Wheel mounting for tricycle-type tractor, Rocking front. J. Morkoski. 2,595,476, May 6.

Wheel mounting for vehicles, Dual offset. R. R. Love. 2,596,035, May 6.
Wheel mounting unit for boats, Detachable. T. A. Arrowood. 2,603,505, July 15.
Wheel power take-off, Automobile drive. T. J. Tudor. 2,601,234, June 24.
Wheel quenching device. R. E. Penrod. 2,596,345, May 13.
Wheel raising and lowering mechanism for boat trailers. A. J. Getz. 2,621,942, Dec. 16.
Wheel reraller. J. B. Haskell. 2,589,077, Mar. 11.
Wheel rotator. R. A. Necchi. 2,594,202, Apr. 22.
Wheel sander, Automobile. H. F. Spatz. 2,597,196, May 20.
Wheel section, Contact. W. J. Cosmos. 2,581,754, Jan. 8.
Wheel shield support. L. S. Van Antwerp. 2,609,218, Sept. 2.
Wheel slide indicating apparatus. C. M. Hines. 2,601,140, June 17.
Wheel slip protective device. W. D. Ryckman, Jr. 2,592,342, Apr. 8.
Wheel structure. C. Hollerith. 2,611,655, Sept. 23.
Wheel structure. G. A. Lyon. 2,581,425, Jan. 8.
Wheel structure. G. A. Lyon. 2,584,143, Feb. 5.
Wheel structure. G. A. Lyon. 2,592,584, Apr. 15.
Wheel structure. G. A. Lyon. 2,607,633, Aug. 19.
Wheel structure. H. W. Ronfeldt. 2,608,444, Aug. 26.
Wheel supporting and rotating device. R. B. Stanley and B. Pass. 2,622,378, Dec. 23.
Wheel suspension. C. C. Utz. 2,621,919, Dec. 16.
Wheel suspension and steering assembly. S. C. Moon. 2,591,584, Apr. 1.
Wheel suspension for coal loaders. A. L. Lee. 2,598,276, May 27.
Wheel suspension for vehicles, Retractable. H. E. Johnson. 2,587,624, Mar. 4.
Wheel suspension system for motorcycles, Adjustable rear. R. M. Seddon, S. Coldfield, and J. C. Mathews 2,604,336, July 22.
Wheel test stand. W. G. Lyman. 2,601,120, June 17.
Wheel tilting mechanism. R. W. Keeler. 2,622,804, Dec. 23.
Wheel track attachment for tractors. A. V. Raught. 2,623,310, Dec. 30.
Wheel track gauge. E. M. Arthur. 2,623,297, Dec. 30.
Wheel truing brake shoe. F. W. MacDonald and A. Lavrino. 2,597,883, May 27.
Wheel truing device. R. B. Stanley. 2,622,374, Dec. 23.
Wheel type screw thread gauge. P. W. Johnson. 2,597,644, May 20.
Wheel unit for trailers or the like, Differential. E. C. Merry. 2,599,469, June 3.
Wheeled animated bird on a cord. P. L. Brown. 2,599,227, June 3.
Wheeled attachment for hand trucks. R. J. Knoth. 2,616,720, Nov. 4.
Wheeled attachment for hand trucks. H. E. Schutzer and R. C. Frohner. 2,612,386, Sept. 30.
Wheeled attachment for transporting boats. H. G. Wasserlein. 2,622,893, Dec. 23.
Wheeled carrier. E. A. Howard. 2,582,435, Jan. 15.
Wheeled carrier for outboard motors. C. L. Harmsen. 2,589,376, Mar. 18.
Wheeled carrier for suitcases, Folding. E. P. Bartlett. 2,613,950, Oct. 14.
Wheeled clodbreaker. A. Malone. 2,618,439, Nov. 18.
Wheeled disk harrow. C. E. Newkirk. 2,599,065, June 3.
Wheeled scissors jack. E. J. Marsh. 2,621,891, Dec. 16.
Wheeled shopping bag. J. F. Connor. 2,597,294, May 20.
Wheeled shopping bag. H. C. Davis and R. A. Claridge. 2,610,071, Sept. 9
Wheeled shopping bag. C. F. Keys. 2,595,269, May 6.
Wheeled supporting device attachable to bicycles or containers. F. R. McNeill and F. Abel. 2,612,388, Sept. 30.
Wheeled vehicle for children. R. E. James, and E. L. Pierce. 2,617,658, Nov. 11.
Wheels for motorcycles, Governor operated steadying. J. Partner 2,589,023, Mar. 11.
Whey treatment. S. C. Stevens. 2,622,982, Dec. 23.
Whip roll bearing. F. J. Upchurch. 2,604,122, July 22.
Whipping composition. H. E. Sevall and R. P. Schaeffer. 2,588,419, Mar. 11.
Whirling roughing and finishing cutterhead machine for debarking logs and the like. W. R. Whitlock. 2,591,751, Apr. 8.
Whisky, Producing. G. C. Neureuther. 2,602,744, July 8.
Whitening and brightening rinse composition for nylon. P. G. Hendrix. 2,619,470, Nov. 25.
Whole fresh egg semen diluter. V. R. Berliner. 2,598,881, June 3.
Wick hypsometer. W. R. Norman. 2,599,276, June 3.
Wick moistening means for duplicating machines. R. M. Ford and D. P. Crane. 2,586,461, Feb. 19.
Wick oiler. O. H. Jung. 2,610,706, Sept. 16.
Wick type device for exposing liquids to the atmosphere. R. W. Walsh. 2,616,759, Nov. 4.
Wide-angle high-speed photographic objective. W. W. Albrecht. 2,612,077, Sept. 30.
Wide-angle lens attachment with front element of high index glass. K. Tolle. 2,582,085, Jan. 8.
Wide angle lens construction. F. G. Back and H. Lowen. 2,590,917, Apr. 1.
Wide angle oblique projection system. P. Planer. 2,586,436, Feb. 19.
Wide-angle photographic objective. R. E. Hopkins and D. Goldstein. 2,594,020, Apr. 22.
Wide-angle photographic objective. R. E. Hopkins and D. G. Goldstein. 2,594,021, Apr. 22.
Wide frequency band transmit-receive switch. C. W. Jones. 2,617,924, Nov. 11.
Wide frequency range power-factor meter. R. M. Rowell. 2,599,287, June 3.
Wide range flow control valve. W. S. E. Crake. 2,596,534, May 13.
Wide range high-frequency series-resonant tuning circuit. G. C. Szikiai. 2,593,361, Apr. 15.
Wide range high-frequency tuner. H. T. Lyman. 2,598,810, June 3.
Wide-range high stability frequency generating system. O. L. MacSorley. 2,581,594, Jan. 8.
Wide range sound film reproducing system. W. J. Albersheim. 2,602,861, July 8.
Wide range ultrahigh frequency tuning cavity. H. E. S. Stockman. 2,613,269, Oct. 7.
Widening a knitted fabric between two successive knitting operations, Method of and mechanism for. J. H. Strassberger. 2,597,761, May 20.
Wigged head. M. Harris. 2,608,196, Aug. 26.
Wild life chaser. W. W. Gross, Jr. 2,596,678, May 13.
Winch. G. S. Grosch. 2,590,610, Mar. 25.
Winch, Portable. E. A. Drott. 2,598,517, May 27.
Wind deflector for automobile rear seats. F. H. Heisley. 2,608,926, Sept. 2.
Wind direction and velocity signaling system. A. E. Chisholm and J. V. Hamar. 2,612,043, Sept. 30.
Wind director. J. C. Studebaker. 2,622,503, Dec. 23.
Wind-driven turbine or propeller with electric generator and control devices. C. Fumagalli. 2,583,309, Jan. 22.
Wind instrument mute holder. L. M. Carlini. 2,607,497, Aug. 19.
Wind motor. R. L. P. M. Chevreau and P. J. Deville. 2,622,686, Dec. 23.
Wind motor. C. A. King. 2,603,300, July 15.
Wind motor. J. G. A. Rydell. 2,596,726, May 13.
Wind-operated power generator. B. M. Mathias. 2,616,506, Nov. 4.
Windrower. P. R. Schroeppel. 2,593,617, Apr. 22.
Windscreen for automobiles. J. L. Matheny and R. H. Perkins. 2,619,376, Nov. 25.
Windscreen wiper. C. A. Bayes. 2,596,197, May 13.
Windscreen wiper. C. A. Bayes and J. Boddy. 2,602,178, July 8.
Windscreen wiper, Vehicle. E. B. Parkes. 2,603,812, July 22.
Windshield cleaner. E. C. Horton. 2,581,103, Jan. 1.
Windshield cleaner. J. R. Olshel. 2,608,707, Sept. 2.
Windshield cleaner. J. R. Olshel. 2,613,387, Oct. 14.
Windshield cleaner. A. Rappl. 2,611,148, Sept. 23.
Windshield cleaner. E. V. Schaal. 2,586,096, Feb. 19.
Windshield cleaner. A. C. Scinta. 2,616,113, Nov. 4.
Windshield cleaner drive. J. V. S. Dahlgren. 2,600,622, June 17.
Windshield cleaning apparatus. E. C. Horton. 2,594,437, Apr. 29.
Windshield clearing device. M. Bitzer. 2,597,059, May 20.
Windshield clearing system. A. Rappl. 2,598,601, May 27.
Windshield cover. S. Moszelt. 2,614,630, Oct. 21.
Windshield cover for automobiles. E. B. Osborn. 2,599,066, June 3.
Windshield for motorcycles and similar vehicles. A. T. Comiskey, Sr. 2,589,993, Mar. 18.
Windshield, Glare-reducing. R. R. Beckham. 2,593,525, Apr. 22.
Windshield, Rotary. J. Carmona. 2,594,867, Apr. 29.
Windshield wiper. J. V. S. Dahlgren. 2,607,065, Aug. 19.
Windshield wiper. H. Kessler. 2,587,168, Feb. 26.
Windshield wiper. R. B. Morton. 2,607,066, Aug. 19.
Windshield wiper. W. P. Ozarowski. 2,589,854, Mar. 18.
Windshield wiper. R. M. Pierce. 2,582,717, Jan. 15.
Windshield wiper. W. W. Poindexter. 2,604,652, July 29.
Windshield wiper. T. J. Smulski. 2,583,127, Jan. 22.
Windshield wiper. T. J. Smulski. 2,616,112, Nov. 4.
Windshield wiper. J. H. Wernig. 2,609,561, Sept. 9.
Windshield wiper. K. B. Williams. 2,605,491, Aug. 5.
Windshield wiper apparatus. H. J. Findley and W. R. Eames, Jr. 2,581,010, Jan. 1.
Windshield wiper apparatus. F. A. Krohm. 2,623,232, Dec. 30.
Windshield wiper apparatus. T. J. Smulski. 2,583,126, Jan. 22.
Windshield wiper arm. F. A. Krohm. 2,601,662, June 24.
Windshield wiper arm and blade connection. C. R. Boothby. 2,620,503, Dec. 9.
Windshield wiper attaching clip. A. Rappl and A. C. Scinta. 2,618,805, Nov. 25.
Windshield wiper balancer. D. A. Nally. 2,580,577, Jan. 1.
Windshield wiper blade. S. R. Carson. 2,589,339, Mar. 18.
Windshield wiper blade connector. A. Rappl. 2,620,505, Dec. 9.

Windshield wiper blade linkage assembly. J. W. Anderson. 2,596,003, May 6.
Windshield wiper, Combination. W. Turner and D. Shaw. 2,607,044, Aug. 26.
Windshield wiper control system having means to isolate booster pump during parking. R. A. Hollembeak, W. E. Highley, and R. F. Smith. 2,623,351, Dec. 30.
Windshield wiper drive. G. W. Jackson. 2,587,163, Feb. 26.
Windshield wiper drive apparatus. C. P. McClelland. 2,617,315, Nov. 11.
Windshield wiper drive mechanism. E. E. Sivacek. 2,613,386, Oct. 14.
Windshield wiper, Electric. A. Christensen. 2,603,813, July 22.
Windshield wiper, Electrically operated. A. E. Weigele. 2,598,951, June 3
Windshield wiper, Extensible arm. D. Shaw and W. Turner. 2,615,190, Oct. 28.
Windshield wiper having a curved spring wiper arm. H. N. Wylie. 2,613,385, Oct. 14.
Windshield wiper mechanism. H. E. Biraben. 2,602,179, July 8.
Windshield wiper mechanism. L. J. Carey. 2,598,971, June 3.
Windshield wiper mechanism. A. Rappl. Re. 23,580, Nov. 11.
Windshield wiper mechanism. E. E. Sivacek. 2,593,355, Apr. 15.
Windshield wiper mechanism. E. E. Sivacek. 2,619,668, Dec. 2.
Windshield wiper motor. D. I. Babitch. 2,622,399, Dec. 23.
Windshield wiper system. R. Freedman and J. E. Dube. 2,609,795, Sept. 9.
Windshield wiper system. R. Freedman and J. E. Dube. 2,612,141, Sept. 30.
Windshield wiper with air and water supply. H. Smith. 2,622,261, Dec. 23.
Windshield with built-in light refracting elements. L. G. Woodburn. 2,604,807, July 29.
Wind sounding device. R. J. Nicolin. 2,612,723, Oct. 7.
Wind tunnel window structure. J. O. Jackson. 2,601,148, June 17.
Wind vane. J. C. Carmody. 2,598,505, May 27.
Winder for strip film, Reversible. H. G. Smith. 2,621,864, Dec. 16.
Winder for yarn and the like. K. Cloud and R. J. Nadherny. 2,583,087, Jan. 22.
Winding and reeling mechanism. R. E. Zenner. 2,607,544, Aug. 19.
Winding apparatus. J. Asmussen and F. Gruper. 2,609,157, Sept. 2.
Winding apparatus. P. J. Christman. 2,585,226–7, Feb. 12.
Winding apparatus. R. M. Stream and I. G. Brenner. 2,622,810, Dec. 23.
Winding apparatus for the web divider of finisher cards. L. Bastin. 2,608,724, Sept 2.
Winding composite tubular articles. C. W. Heinle. 2,604,830, July 29.
Winding device for blind-raising members. A. Hofer. 2,603,430, July 15.
Winding device, Timepiece. Z. Maar. 2,593,685, Apr. 22.
Winding device, Wrist watch. E. W. Poltrock. 2,588,042, Mar. 4.
Winding electrical resistance units, Method and machine for. P. J. McCullough 2,589,503, Mar. 18.
Winding in collector machine. J. Delastre, L. Galzin, and P. Letrilliart. 2,590,298, Mar. 25.
Winding indicator. H. Jeanneret. 2,599,109, June 3.
Winding machine. C. C. Bell, H. W. Hitchcock, and J. V. Keith. 2,608,355, Aug. 26.
Winding machine. T. N. Carter. 2,596,208, May 13.
Winding machine. T. N. Carter. 2,617,608, Nov. 11.
Winding machine. T. N. Carter, and A. D. Frascella. 2,617,607, Nov. 11.
Winding machine. P. E. Chapman and P. E. Chapman, Jr. 2,595,332, May 6.
Winding machine. H. L. Haswell. 2,582,429, Jan. 15.
Winding machine. J. V. Keith. 2,605,974, Aug. 5
Winding machine. F. L. Lamb and E. Yefko. 2,593,680, Apr. 22.
Winding machine. W. L. Perry. 2,592,599, Apr. 15.
Winding machine. L. R. Rinehart. 2,597,375, May 20.
Winding machine. B. B. Scott, G. F. Greene, and F. E. Valentine. 2,618,440, Nov. 18.
Winding machine for paper rolls. G. Langbo. 2,620,141, Dec. 2.
Winding machine, Pirn. R. Sutton. 2,607,543, Aug. 19.
Winding mechanism. S. J. Begun. 2,622,811, Dec. 23.
Winding mechanism. S. Cohn and J. G. Walter. 2,622,817, Dec. 23.
Winding resistance elements, Method and apparatus for. H. H. Cary, R. C. Hawes, M. E. Stickney, and K. P. George. 2,620,990, Dec. 9.
Window. H. R. Ansel. 2,607,963, Aug. 26.
Window. V. Breuer. 2,593,258, Apr. 15.
Window. A. R. Edwards, Jr. 2,589,685, Mar. 18.
Window. E. McMurray. 2,617,156, Nov. 11.
Window. J. H. Preston. 2,585,678, Feb. 12.
Window. L. Vita. 2,606,607, Aug. 12.
Window. A. Weatherstone. 2,601,476, June 24.
Window actuator control. W. W. Riedel. 2,621,037, Dec. 9.
Window and screen assembly. J. Sylvan. 2,600,283, June 10.
Window and ventilator actuator and lock. H. S. Carlston and H. E. Morrow. 2,610,848, Sept. 16.
Window assembly. J. Sylvan. 2,618,326, Nov. 18.
Window awning, Adjustable. H. R. Peters. 2,583,230, Jan. 22.
Window balance. H. R. Dickinson and M. N. Swierbut. 2,597,459, May 20.
Window balance. B. F. Kenyon. 2,598,560, May 27.
Window bead and fastener therefor. J. S. Saban. 2,582,654, Jan. 15.
Window blind. T. Armstrong. 2,605,824–5, Aug. 5.
Window blind assembly for vehicles. G. A. Hamrick. 2,610,712, Sept. 16.
Window blind guide. L. Nelson. 2,602,505, July 8.
Window bracket. G. Stamos. 2,609,936, Sept. 9.
Window check rail painter. C. J. Vaughan. 2,581,563, Jan. 8.
Window cleaning and the like device. D. H. Adams. 2,590,913, Apr. 1.
Window cleaning device. D. M. Gallagher. 2,603,811 July 22.
Window cleaning device. F. Jordan. 2,598,699, June 3.
Window cleaning device. H. Slavin. 2,603,808, July 22.
Window closure, Resiliently expansive. A. S. Jenks. 2,612,947, Oct. 7.
Window construction. D. Alpert. 2,584,653, Feb. 5.
Window construction. G. B. Arnold. 2,581,465, Jan. 8.
Window construction. G. K. Bradfield, Jr. 2,585,322, Feb. 12.
Window construction. S. M. Casey. 2,612,660, Oct. 7.
Window construction. W. Colangelo. 2,593,104, Apr. 15.
Window construction. G. O. Conner. 2,595,451, May 6.
Window construction. H. A. Davis. 2,580,736, Jan. 1.
Window construction. H. T. Friis. 2,615,512, Oct. 28.
Window construction. H. E. Graves, Jr. 2,603,844, July 22.
Window construction. L. A. Hansen. 2,605,870, Aug. 5.
Window construction. C. Jansen. 2,610,370, Sept. 16.
Window construction. P. A. Krocker. 2,604,673, July 29.
Window construction. H. M. McKay. 2,595,595, May 6.
Window construction. M. D. Orlin. 2,601,706, July 1.
Window construction. S. C. Overend. 2,585,581, Feb. 12.
Window construction. E. Peremi. 2,599,196, June 3.
Window construction. R. B. Pollman. 2,612,097, Sept. 30.
Window construction. C. E. Pusey. 2,622,674, Dec. 23.
Window construction. E. C. Richardson. 2,595,167, Apr. 29.
Window construction. C. J. Roos. 2,602,501, July 8.
Window construction. W. J. Starr. 2,608,278, Aug. 26.
Window construction. G. Steingruber. 2,587,547, Feb. 26.
Window construction. C. L. Tomsche. 2,588,432, Mar. 11.
Window construction. N. Trombetta. 2,585,601, Feb. 12.
Window construction. C. Van der Pelen and L. Freudenberg. 2,614,296, Oct. 21.
Window construction. C. J. Wagner. 2,617,482, Nov. 11.
Window construction for baby carriage hoods. D. W. Siebert. 2,623,780, Dec. 30.
Window construction having both pivotal and sliding movement. H. A. Etling. 2,584,684, Feb. 5.
Window construction, Metal. A. Storms. 2,608,277, Aug. 26.
Window construction, Psychiatric. J. F. Heintzel. 2,608,251, Aug. 26.
Window control, Magnetized. R. V. Allen. 2,607,961, Aug. 26.
Window, Convertible. H. A. Kaufmann. 2,583,851, Jan. 29.
Window, Double-run. S. P. Lockwood. 2,600,786, June 17.
Window, Double sash metal frame. H. B. Shook. 2,607,964, Aug. 26.
Window drapery and liner, Sectional. A. J. Dubinsky. 2,609,043, Sept. 2.
Window drapery, Sectional. A. J. Dubinsky. 2,594,624, Apr. 29.
Window fan assembly, Variable-width. George A. and Glenn A. Delf. 2,580,663, Jan. 1.
Window for buses and the like. W. Young. 2,595,744, May 6.
Window for pressurized chambers. A. Gouge. 2,602,970, July 15.
Window for pressurized chambers. A. Gouge. 2,613,402, Oct. 14.
Window for vehicles, Movable. J. H. Orr. 2,590,448, Mar. 25.
Window frame. W. Floyd. 2,614,665, Oct. 21.
Window frame. F. J. Smith. 2,607,453, Aug. 19.
Window frame and sash assembly. H. Edwards and G. H. Goodemote. 2,586,525, Feb. 19.
Window frame and sash assembly. J. Sylvan. 2,589,161, Mar. 11.
Window frame and sash unit. R. E. Bowers. 2,583,251, Jan. 22.
Window frames, making. W. Brauer. 2,620,551, Dec. 9.
Window glass protector. A. C. Schoepfer. 2,607,088, Aug. 19.
Window guard. L. C. Stukenborg. 2,620,526, Dec. 9.

Window guard Adjustable. J. W. Hulsey, Jr. 2,584,706, Feb. 5.
Window jamb anchor and adjuster, Combined. E. Peremi. 2,600,072, June 10
Window latching device. A. J. Calderwood. 2,581,629, Jan. 8
Window lock. S. L. Beder. 2,597,056, May 20
Window lock. S. J. Citso. 2,587,695, Mar. 4
Window lock. N. O. Holmsten. 2,613,526, Oct. 14
Window, Louver type. B. Santos. 2,584,928, Feb. 5
Window operating device for vehicles. P. F. Rossmann. 2,621,544, Dec. 16
Window operator. A. D. Brundage. 2,599,744, June 10.
Window operator. J. R. Olshel and A. Rappl. 2,619,939, Dec. 2.
Window operator. H. Widen. 2,599,032, June 3
Window or other slidable closure. A. R. Kinish. 2,619,690, Dec. 2.
Windowpane fastener. J. Bodnar. 2,617,160, Nov. 11
Window panel construction. J. A. Potchen. 2,609,896, Sept. 9
Window pivot and lock. W. A. Dixon. 2,585,375, Feb. 12.
Window raising and cleaning unit. W. A. Bowman. 2,613,738, Oct. 14.
Window regulating device. P. F. Rossmann and K. Rath. 2,621,926, Dec. 16.
Window regulator drive mechanism. B. S. Floraday. 2,616,688, Nov. 4.
Window retaining means. G. C. Weingardt. 2,581,891, Jan. 8.
Window sash. E. Clerk. 2,599,811, June 10.
Window sash balance. H. B. Foresman. 2,613,093, Oct. 7.
Window sash construction. J. R. Walker. 2,581,503, Jan. 8.
Window sash lock. J. Barry. 2,593,243, Apr. 15
Window sash, Metallic. P. R. Rates. 2,580,729, Mar. 18.
Window sash, Multipane. G. H. Bugenhagen. 2,605,519, Aug. 5.
Window screen. A. Lang. 2,605,827, Aug. 5.
Window screen and frame. R. W. Jessup. 2,621,729, Dec. 16.
Window screen for automobiles. W. E. Hoffman. 2,615,515, Oct. 28.
Window screen hook. R. S. Moore. 2,592,452, Apr. 8.
Window, Screen or storm. J. K. Heilig. 2,597,484, May 20.
Window screen securing means. A. Lang. 2,605,826, Aug. 5.
Window screen with adjustable louver. A. S. Wisner and C. R. Miller. 2,616,498, Nov. 4.
Window seal structure. H. S. Davis. 2,593,658, Apr. 22.
Window shade. J. and E. North. 2,581,433, Jan. 8.
Window shade attachment. J. B. Probst. 2,599,410, June 3.
Window shade cutter. R. W. Hyde. 2,615,516, Oct. 28.
Window shade guard. J. C. Winslow. 2,601,897, July 1.
Window shade pull. G. B. C. Miller, Jr. 2,599,121, June 3.
Window shade roller. R. W. Hyde. 2,586,340, Feb. 19.
Window shutter. F. W. and E. O. Bopp. 2,604,161, July 22
Window shutter. L. W. Kolterman. 2,604,160, July 22.
Window shutter. R. L. Leigh. 2,596,569, May 13.
Window shutter. V. A. Vicksell. 2,580,621, Jan. 1.
Window sill, Ventilated. L. Sopiata. 2,581,727, Jan. 8.
Window stop. J. E. Bevington. 2,611,634, Sept. 23.
Window stop. A. Severson. 2,609,222, Sept. 2.
Window stop device. M. M. Miller. 2,612,598, Sept. 30.
Window structure. A. J. Baumann. 2,607,962, Aug. 26.
Window structure. J. Hassell. 2,606,346, Aug. 12.
Window structure. H. J. Kammerer. 2,585,471, Feb. 12.
Window structure. L. Mancini. 2,593,160, Apr. 15.
Window structure. W. M. Pfaff. 2,612,662, Oct. 7.
Window structure and operating medium therefor. E. Y. Hashimoto. 2,607,585, Aug. 19.
Window structure, Astral type. G. Poggi. 2,609,571, Sept. 9.
Window structure for cathode-ray tubes. A. Brasch. 2,617,953, Nov. 11.
Window structure, Plastic. C. J. Roos. 2,602,504, July 8.
Window structure, Sliding hinge casement. S. L. Potts. 2,596,433, May 13.
Window, Vehicle. B. Hansen. 2,585,118, Feb. 12.
Window ventilator. H. P. Fields and B. Kucinski. 2,598,774, June 3.
Window washer and wiper. S. M. Pyne. 2,587,382, Feb. 26.
Window washing and wiping device. E. W. Collins. 2,613,384, Oct. 14.
Window washing device, Dual. F. G. Holmes. 2,580,783, Jan. 1.
Window well for coach bodies. M. M. Brockway. 2,608,434, Aug. 26.
Window wiper. M. C. Morley. 2,580,814, Jan. 1.
Window with sliding panes. F. Nutter. 2,580,945, Jan. 1.
Windowed display container with article supporting platform. S. Fogel. 2,587,828, Mar. 4.
Windward lifting centerboard. H. H. Kersten. 2,608,173, Aug. 26.
Wine filtration. J. H. Fessler. 2,596,392, May 13.
Wing flap mechanism. C. G. Gordon and E. C. Dahlman. 2,608,364, Aug. 26.
Wing for helicopters and other aircraft. E. A. Stalker. 2,617,487, Nov. 11.
Wing nuts, Making. H. Moore. 2,614,274, Oct. 21.
Wing slat operating mechanism. C. G. Gordon. 2,600,527, June 17.
Winterized glyceride oil and producing the same. K. F. Mattil. 2,610,915 Sept 16.
Winterized vegetable oil and producing the same. A. L. Ayers and C. R. Scott. 2,607,695, Aug. 19.
Wiper arm apparatus. T. J. Smulski. 2,582,173, Jan. 8.
Wiper arrangement for mirrors and the like. F. M. Williamson. 2,608,708, Sept. 2.
Wiper blade for curved windshields and other surfaces. A. C. Scinta. 2,583,710, Jan. 29.
Wiper drive arm mechanism. C. R. Sacchini. 2,602,950, July 15.
Wiper for drill pipes having a lubricant cavity. J. L. Buckley. 2,611,146, Sept. 23.
Wiper holder for perforator card machines. C. H. Stuivenberg. 2,615,627, Oct. 28.
Wiping blade for coating devices. E. Warner. 2,598,733, June 3.
Wire annealing machine. J. V. O'Grady. 2,589,283, Mar. 18.
Wire antiskid device. C. A. Sivon. 2,614,599, Oct. 21.
Wire applying device for hay baling machines. G. Jay. 2,619,028, Nov. 25.
Wire basket for bottles. L. H. Schwarz. 2,616,601, Nov. 4
Wire binding machine. A. E. Cranston, Sr. 2,608,150, Aug. 26.
Wire bundling mechanism. N. H. Nye. 2,609,159, Sept. 2.
Wire clamp. J. B. Cook and L. L. Jugle. 2,597,070, May 20.
Wire clamp and cutter for spooling machines. C. O. Bruestle. 2,600,841, June 17.
Wire cleaner. G. A. Johnson and P. S. Jaskowiak. 2,619,663, Dec. 2.
Wire coil insert with tapered end. H. W. Cram and J. O. Forster. 2,586,007, Feb. 19.
Wire coil screw thread insert. J. O. Forster. 2,607,259, Aug. 19..
Wire coiling machine. P. T. Karlsson. 2,580,702, Jan. 1.
Wire coiling machine. W. Morgan and C. D. Wesson. 2,607,541, Aug. 19.
Wire container. J. G. Lyon. 2,620,997, Dec. 9.
Wire connecting tool. C. N. Hickman, R. F. Mallina, and F. Reck. 2,585,010, Feb. 12.
Wire connector. H. L. Gordon. 2,601,276, June 24.
Wire connector. E. E. Noyes. 2,590,789, Mar. 25.
Wire connector for electrical receptacles. H. Hubbell and J. F. Healy. 2,602,104, July 1.
Wire creeper. E. Wollet. 2,613,257, Oct. 7.
Wire cutter. V. A. Jensen. 2,595,145, Apr. 29.
Wire-cutting machine. H. E. Furnett. 2,592,010, Apr. 8.
Wire distributing cellular metal floor. J. W. Wiesmann. 2,619,828, Dec. 2.
Wire drawing machine, Continuous. M. E. Evans. 2,606,650, Aug. 12.
Wire drawing mechanism. E. J. McIlvried. 2,609,088, Sept. 2.
Wire-drawing tension device. W. S. Henderson. 2,588,834, Mar. 11.
Wire fabric structural member. W. S. and A. J. Edge. 2,592,548, Apr. 15.
Wire feed gear train lubrication. A. P. Shepard. 2,592,607, Apr. 15.
Wire feed machine. F. A. Newcombe. 2,603,428, July 15.
Wire feeding machine. R. C. Vorderstrasse. 2,590,806, Mar. 25.
Wire fence tool. T. F. Jennings. 2,598,553, May 27.
Wire former and stripper. B. C. Whiting. 2,591,649, Apr. 1.
Wire-forming machine. A. M. Zweyer. 2,582,576, Jan. 15.
Wire frame for brassières, Detachable. L. Fairbanks and P. Rosenfeld. 2,613,365, Oct. 14.
Wire gripping clamp. A. G. Maasdam. 2,607,095, Aug. 19.
Wire gripping device for wire tying machines. K. E. Schulze. 2,580,848, Jan. 1.
Wire heading tool. W. A. Vinson. 2,601,186, June 17.
Wire holding and prestressing device. O. Mazzei. 2,614,801, Oct. 21.
Wire-hose-clamp applying device. G. E. Conklin. 2,600,394, June 17.
Wire insulation stripper. B. G. Forman. 2,609,716, Sept. 9.
Wire insulator holder. D. J. Neufeld. 2,589,726, Mar. 18.
Wire leader. N. W. Romsos. 2,612,546, Sept. 30.
Wire line stripper. L. B. Collins and C. A. Langstaff. 2,600,848, June 17.
Wire line stuffing box. G. A. Ford. 2,606,746, Aug. 12.
Wire magazine and feed mechanism. G. W. Bell. 2,605,060, July 29.
Wire-pointing mechanism. T. E. Bastian and E. A. Strollis. 2,598,656, May 27.
Wirepulling device. L. F. Mallasch. 2,599,920, June 10.
Wire rack. W. Dean. 2,622,758, Dec. 23.

Wire recording and erasing means. W. C. Howey. 2,620,403, Dec. 2.
Wire reel. S. F. Redo. 2,590,890, Apr. 1.
Wire reeling apparatus. H. Böcher. 2,614,766, Oct. 21.
Wire-reeling device. L. M. De Kanski and H. Toomin. 2,605,056, July 29.
Wire retaining device. M. Larcinese. 2,620,995, Dec. 9.
Wire roller attachment for tractors. D. A. Henggeler. 2,605,976, Aug. 5.
Wire rolling mill. J. Rosières. 2,613,560, Oct. 14.
Wire saw strand and making the same. P. de V. D'Avaucourt. 2,604,883, July 29.
Wire solder feeder for soldering irons. S. E. Sefton. 2,604,064, July 22.
Wire spring structure. W. H. Neely. 2,591,185, Apr. 1.
Wire stitching apparatus. J. G. Mackechnie, Jr. 2,586,807, Feb. 12.
Wire stitching machine. J. I. Nasmith and W. Kirby. 2,594,201, Apr. 22.
Wire-straightening fixture. S. G. Blumensaadt. 2,591,123, Apr. 1.
Wire strapping tool. H. K. Embree. 2,594,891, Apr. 29.
Wire strapping tool. E. White. 2,607,372, Aug. 19.
Wire stringing device. H. C. Thomas. 2,613,256, Oct. 7.
Wire stripper. W. J. Holt, Jr. 2,601,797, July 1.
Wire stripper. G. R. Stephenson. 2,594,363, Apr. 29.
Wire stripper. S. B. Valiulis. 2,622,461, Dec. 23.
Wire supporting device. C. G. Lewis. 2,618,685, Nov. 18.
Wire terminal and insulating sleeve. E. H. Branson. 2,592,788, Apr. 15.
Wire terminal connector. L. A. Sanda. 2,617,844, Nov. 11.
Wire tire fabric and cable. H. S. Howe. 2,605,201, July 29.
Wire transposition repair bracket. H. J. Venus. 2,588,781, Mar. 11.
Wire tuning drive. D. B. Keim. 2,613,540. Oct. 14.
Wire tying tool. H. Ackerman. 2,623,424, Dec. 30.
Wire-wound tangential telemetric transmitter. C. R. Mikolic. 2,599,406, June 3.
Wiring system of conductors permanently embedded in insulation. C. A. Naughton. 2,611,800, Sept. 23.
Wiring terminal connection for electrical wiring devices. H. Hubbell. 2,602,106, July 1.
Wireless control of master clocks, Method and device for. V. Pfeffer. 2,614,383, Oct. 21.
Wireless navigation system. R. J. Dippy. 2,585,374, Feb. 12.
Wireless receiver tunable to a number of wave length ranges. A. Stigter. 2,586,576, Feb. 19.
Wood-chip preparation for digestors from unbarked logs. A. B. Dunwody. 2,596,015, May 6.
Wood clamp. A. A. Hocher. 2,613,963, Oct. 14.
Wood core metal-sheathed door. E. O. Olason. 2,607,960, Aug. 26.
Wood fastener. G. J. Soderberg and T. Packard. 2,596,181, May 13.
Wood fiber base material and making the same. E. P. Cox. 2,581,635, Jan. 8.
Wood finishing apparatus. L. H. Jones. 2,582,438, Jan. 15.
Wood laminate bonded with an adhesive comprising melamine formaldehyde resin and an ester of glycerol and sebacic acid. J. C. Mead and W. C. Schneider. 2,586,473, Feb. 19.
Wood planer blade setting gauge. N. J. Rivard. 2,589,865, Mar. 18.
Wood preservative comprising chlorinated phenolics, anthracenic oils, and creosotes. L. Rouzet. 2,605,206, July 29.
Wood pulp and producing same. P. H. Schlosser and K. R. Gray. 2,623,875, Dec. 30.
Wood pulp digestion. B. T. Briggs. 2,583,994, Jan. 29.
Wood-sawing attachment for automobiles. D. J. Stewart. 2,603,248, July 15.
Woodsawing machine and shaper attachment therefor. R. D. Bearup. 2,615,479, Oct. 28.
Wood-splitting machine. J. H. Dagenais. 2,580,735, Jan. 1.
Wood turning and threading machine. L. Quijada. 2,581,702, Jan. 8.
Woodworking hand power tool. A. L. Toussaint. 2,589,458, Mar. 18.
Woodworking machine. W. I. Stearns. 2,597,398, May 20.
Woodworking machine and mounting and adjusting means for the rotary cylindrical cutter thereof. W. L. Van Dam. 2,601,870, July 1.
Woodworking machine with automatically movable cutter-carrying frame. F. H. Gillespie. 2,593,744, Apr. 22.
Woodworking plane with chip releasing means. J. P. Zaldan. 2,612,918, Oct. 7.
Wooden holder or skewer. F. Glantzlin. 2,622,268, Dec. 23.
Wooden patch making machine. W. A. Forsyth and W. A. Davis. 2,583,367, Jan. 22.
Wool bagging machine with plunger having spring actuated plate. C. O. Poland. 2,622,778, Dec. 23.
Wool combing machine. J. Eastwood. 2,596,540, May 13.
Wool degreasing machine. H. S. Drum and A. Hopkins. 2,593,422, Apr. 22.
Wool degreasing machine. A. Hopkins, H. S. Drum, and J. P. G. Patton. 2,621,506, Dec. 16.
Wool dyestuffs. E. Beniers. 2,613,209, Oct. 7.
Wool grease unsaponifiable matter, Preparation of. R. M. Christenson and R. E. Harpt. 2,619,495, Nov. 25.
Workbench, Folding. C. O. Larson. 2,587,177, Feb. 26.
Workbench for power-driven hand and table tools, Portable. T. L. Dirksen. 2,599,096, June 3.
Work blasting equipment. W. I. Gladfelter. 2,611,219, Sept. 23.
Workbox for sewing material and tailor tools. P. J. Rohde. 2,616,597, Nov. 4.
Work bracing means for drill presses. R. E. Wilson, Jr. 2,623,421, Dec. 30.
Work chuck. T. Zimmerman. 2,596,321, May 13.
Work clamp. G. H. Beck and J. Z. Foris. 2,587,025, Feb. 26.
Work clamp. H. D. Snell. 2,600,584, June 17.
Work clamp and template holder for hinge seat cutting. F. Schwarzer. 2,605,789, Aug. 5.
Work clamping fixture. L. I. Kaplan and G. von Reis. 2,585,786, Feb. 12.
Work coil. R. M. Rukaty. 2,599,229, June 3.
Work conveying mechanism for furnaces. Q. M. Bloom. 2,592,236, Apr. 8.
Work ejector for machine tools. R. E. Price. 2,603,916, July 22.
Work feed. H. R. Noll. 2,616,160, Nov. 4.
Work feeding and positioning mechanism. E. T. Kitchell. 2,580,795, Jan. 1.
Work feeding device for milling machines and the like. J. H. Phillips. 2,597,377, July 8.
Work guiding means for shoe sewing machines. W. D. Shaffer. 2,613,[illegible]4, Oct. 14.
Work handling apparatus for machine tools. W. R. Meyer and H. J. Siekmann. 2,623,429, Dec. 30.
Work holder. D. M. Cleveland. 2,593,538, Apr. 22.
Work holder. B. Denzler. 2,607,274, Aug. 19.
Work holder. A. J. Hagopian. 2,595,137, Apr. 29.
Workholder. J. J. Parker and L. T. Morawski. 2,580,949, Jan. 1.
Work holder. A. W. Payne. 2,622,488, Dec. 23.
Work holder. L. L. Price. 2,613,557, Oct. 14.
Workholder. O. E. and G. E. Sorensen. 2,606,482, Aug. 12.
Work holder and support therefor, including motor mount, Vertically adjustable. A. Von Gunten. 2,582,573, Jan. 15.
Work holder attachment for easels. W. G. Clayton. 2,610,558, Sept. 16.
Work holder for band-sawing. C. J. Barto. 2,594,277, Apr. 29.
Work holder for cylindrical articles. R. R. Teetor. 2,593,936, Apr. 22.
Work holder for riveting machines. N. C. Moore. 2,582,501, Jan. 15.
Work holder orienting device. R. B. Mentzer. 2,593,687. Apr. 22.
Work holding chuck. A. E. Church. 2,582,680, Jan. 15.
Work holding clamp. A. O. Mathison. 2,619,010, Nov. 25.
Work holding means. E. W. Kroeger and J. Daugherty. 2,585,944, Feb. 19.
Work holding unit for vises. C. E. Petersen. 2,595,699, May 6.
Work-immersion machine with selected delayed immersion. J. V. Davis. 2,591,681, Apr. 8.
Work-immersion machine with vertically and laterally movable rail section. J. V. Davis. 2,591,682, Apr. 8.
Work manipulating mechanism. N. B. Smith. 2,580,472, Jan. 1.
Workpiece area measuring machine. P. E. Morgan. 2,612,696, Oct. 7.
Workpiece supporting and feeding mechanism. A. E. Drissner. 2,616,157, Nov. 4.
Work positioning guide. J. G. Wright, J. M. Chafin, E. Sudan, C. A. Watkins, and J. A. Hanson. 2,602,926, July 15.
Work positioning means for beeling machines. S. H. Cook. 2,602,927, July 15.
Work progress board. M. D. Hoskins. 2,589,812, Mar. 18.
Work rest blade. C. H. Arnold. 2,581,226, Jan. 1.
Workstand. W. E. McDonald. 2,593,588, Apr. 22.
Work support for sewing machines, Rotatably adjustable. J. Keller, Jr. 2,619,062, Nov. 25.
Work supporting and guiding device for shoe sewing machines. L. P. Simmons and F. J. Connova. 2,610,597. Sept. 16.
Work supporting attachment for screw machines and the like. S. O. Shumaker. 2,609,592, Sept. 9.
Work supporting means for rotary aniline printing presses. E. J. Peal and R. Zuckerman. 2,623,458, Dec. 30.
Worktable, Adjustable. R. C. McKinnie. 2,596,267, May 13.
Work wheel. F. E. Hendrickson. 2,594,647, Apr. 29.
Working and heat-treating a copper base alloy. J. F. Kiement. 2,599,002, June 3.
Working clay, Method and apparatus for. R. H. McElroy. 2,605,531, Aug. 5.
Working fluid for use in refrigerating systems and preventing corrosion in refrigerating systems. G. F. Zellhoefer and S. E. Vickers. 2,582,306, Jan. 15.
Working laminated metal. J. C. Granfield. 2,586,532, Feb. 19.
Working the inner surface of a hollow body. J. J. Stampen. 2,599,025, June 3.

Working up the waste liquor of fermentation industries in which molasses are used. M. P. J. M. Jansen. 2,590,412, Mar. 25.
Worm gear cutting attachment for milling machines. D. M. Birrell. 2,622,484, Dec. 23.
Worm gear drive. J. R. Shonnard and H. F. Steen. 2,608,103, Aug. 26.
Woven elastic fabric. S. J. Gluck. 2,597,580, May 20.
Woven fabric. G. Backer. 2,585,212, Feb. 12.
Woven fabric. C. D. Williamson and G. Fuller. 2,596,803, May 13.
Woven ladder webbing. G. F. and R. French. 2,609,012, Sept. 2.
Woven ladder webbing. G. F. and R. French. 2,613,694, Oct. 14.
Woven wire fencing. F. J. Mafera. 2,610,009, Sept. 9.
Wrap spring starter. S. Gilbert. 2,583,829, Jan. 29.
Wrap stripe stop motion. D. G. Longtin. 2,590,193, Mar. 25.
Wrap stripe stop motion. W. C. Tucker. 2,589,646, Mar. 18.
Wrapper for candy bars or the like. R. Townsend. 2,596,620, May 13.
Wrapper for fragile ware, Protective. K. Fletchner. 2,605,803, Aug. 5.
Wrapper or container of cardboard or like material. F. J. Shirley. 2,591,882, Apr. 8.
Wrapping and twisting apparatus. H. Rumsey, Jr. 2,598,073, May 27.
Wrapping articles. J. E. Snyder. 2,622,380, Dec. 23.
Wrapping articles in stretchable sheet material, Method and apparatus for. C. E. Cloud. 2,615,200, Oct. 28.
Wrapping generally cylindrically shaped articles. O. Sandberg. 2,590,128, Mar. 25.
Wrapping machine. S. J. Campbell. 2,602,276, July 8.
Wrapping machine. G. I. Hohl, F. H. Welse, and G. A. and J. M. Rist. 2,592,283, Apr. 8.
Wrapping machine. W. C. Palmer and A. A. Kottmann. 2,592,726, Apr. 15.
Wrapping machine. A. Russell. 2,612,740, Oct. 7.
Wrapping machine. L. G. Scheib. 2,605,597, Aug. 5
Wrapping machine and wrapping, Heat sealed. J. P. Truscott. 2,586,580, Feb. 19.
Wrapping machine, Battery plate. H. E. Jensen. 2,602,598, July 8.
Wrapping machine for articles of varying sizes. R. J. Beutel. 2,600,833, June 17.
Wrapping machine for butter and the like. H. R. Coon, Sr., and E. J. Rapp. 2,592,793, Apr. 15.
Wrapping machine, Heat-sealing. G. A. Moore. 2,603,925, July 22.
Wrapping machine, Spaghetti. M. Klimas. 2,604,744, July 29.
Wrapping machines for lightly compressed granules. W. E. MacKenzie. 2,590,427, Mar. 25.
Wrapping strip. G. C. Wilkins. 2,584,074, Jan. 29.
Wrench: *See*—
Adjustable bolt-holding wrench.
Adjustable crowfoot wrench.
Adjustable pipe wrench.
Adjustable side-jaw wrench.
Automatically adjustable wrench.
Axially offset, motor operated, impact-type wrench.
Cable actuated wrench.
Cam actuated side jaw wrench.
Cam actuated slidable jaw wrench.
Gear-operated crankcase drain plug wrench.
Gear-operated socket wrench.
Impact wrench.
Interrupted thread type slidable jaw wrench.
Magazine socket wrench.
Nonslip wrench.
Nut-holding magazine wrench.
Plier type, toggle actuated wrench.
Portable power wrench.
Power actuated wrench.
Power-driven gear operated wrench.
Power-operated, gear-controlled torque wrench.
Power-operated impact wrench.
Power-operated magazine wrench.
Power-operated pipe wrench.
Predetermined torque release wrench.
Quick-acting pipe wrench.
Radiator cap and steam baffle wrench.
Ratchet wrench.
Reversible ratchet wrench.
Rockable inner jaw wrench.
Screw operated jar cap wrench.
Self-adjusting and manually adjustable wrench.
Self-adjusting wrench.
Slidable bar ratchet wrench.
Slidable outer jaw plier-type wrench.
Slidable side jaw wrench.
Socket wrench.
Speed wrench.
Spiral actuated slidable jaw end wrench.
Spring-actuated stud wrench.
Step-by-step operated partial revolution wrench.
Tappet wrench.
Tappet adjusting wrench.
Toggle-actuated pivoted jaw wrench.
Toggle-actuated slidable jaw wrench.
Toggle-actuated slidable side jaw wrench.
Torque wrench.
Vise wrench.
Wrench. J. H. Hilton. 2,603,976, July 22.
Wrench. R. A. Kaplan. 2,620,051, Dec. 2.
Wrench and plier, Locking. H. T. Jones. 2,592,807, Apr. 15.
Wrench and vise, Combination. L. Le May. 2,616,319, Nov. 4.
Wrench case. A. J. Gibson. 2,590,307, Mar. 25.
Wrench construction, Gear-operated. C. D. Marshall. 2,594,669, Apr. 29.
Wrench for pentagonal nuts, etc., Open-end. A. A. Trypanis. 2,619,862, Dec. 2.
Wrench for truck wheel nuts. J. C. Moore. 2,614,444, Oct. 21.
Wrench handle detachably connectible to rigid-jaw type wrench head. H. G. Miller, Jr., and D. W. Miller. 2,608,894, Sept. 2.
Wrench having axially cammed collet. W. B. Strayer. 2,599,026, June 3.
Wrench having double-hexagon-spaced jaw-face grooves, Nonslip ratcheting. G. T. Logan. 2,618,996, Nov. 25.
Wrench having jaw adjusting means, Pivoted jaw. A. and D. Westerman. 2,584,952, Feb. 5.
Wrench having nut-actuated and slidable cam-wedge, Pivoted-jaw. F. O. Thompson. 2,591,636, Apr. 1.
Wrench having oscillatable pawl, Open socket. S. S. Johns. 2,602,362, July 8.
Wrench having pivotable jaws cammed by pivoting handle. J. J. and S. C. Greer. 2,594,154, Apr. 22.
Wrench having slidable side jaw actuated by pivoted handle. J. Minton. 2,589,565, Mar. 18.
Wrench having spring-closed head segments, Box-type. M. B. Day. 2,591,788, Apr. 8.
Wrench having third jaw, Plier-type toggle. S. L. Williamson. 2,600,594, June 17.
Wrench head, Socket. A. F. Pickard. 2,603,325, July 15.
Wrench socket. A. Godmaire. 2,581,095, Jan. 1.
Wrench sockets, Making. M. F. Vaughan. 2,623,418, Dec. 30.
Wrench with a lever and cam feed sliding jaw, Handgrip. F. A. Tenerowicz and L. Bortolotti. 2,613,567, Oct. 14.
Wrench with automatic release, Chuck. H. J. Droge. 2,618,995, Nov. 25.
Wrench with axial lugs, Spanner. S. Wanamaker. 2,619,861, Dec. 2.
Wrench with cam actuated pivoted jaws. E. S. Downs. 2,606,465, Aug. 12.
Wrench with pilot, Socket. L. J. Almes. 2,618,189, Nov. 18.
Wrench with pivoted rack catch, Lever actuated pivoted outer jaw. H. W. Small. 2,612,808, Oct. 7.
Wrench with resilient jaw faces. B. M. Rothe. 2,594,684, Apr. 29.
Wrench with tooth engaging abutment, Flywheel spanner. J. A. Riordan. 2,614,445, Oct. 21.
Wringer. N. L. Etten. 2,585,757, Feb. 12.
Wringer. N. L. Etten. 2,586,155, Feb. 19.
Wringer. N. L. Etten. 2,589,354, Mar. 18.
Wringer. N. L. Etten. 2,598,773, June 3.
Wringer. D. K. Ferris. 2,606,436, Aug. 12.
Wringer. W. L. Kauffman, II. 2,587,627, Mar. 4.
Wringer. W. L. Kauffman, II. 2,595,149, Apr. 29.
Wringer assembly having interconnected roll pressure and drive. W. B. Beuscher. 2,590,494, Mar. 25.
Wringer bearing. W. L. Kauffman, II. 2,587,332, Feb. 26.
Wringer, Clothes. J. V. Gunn. 2,603,962, July 22.
Wringer, Clothes. L. M. Palo. 2,595,404, May 6.
Wringer drive gear mechanism. E. V. De Carli. 2,599,239, June 3.
Wringer for mops, Power. H. B. Brown. 2,615,191, Oct. 28.
Wringer pressure applying mechanism. E. E. Foster. 2,600,398, June 17.
Wringing machine and the like. S. F. Bickell, J. Shaw, R. T. Riddle, and C. G. Garrard. 2,618,144, Nov. 18.
Wristband accessory for gloves. B. Kennedy. 2,604,629, July 29.
Wristband for watches. A. A. Herbst. 2,602,573, July 8.
Wristband lock. J. Pfisterer. 2,601,708, July 1.
Wrist mechanism for artificial arms. K. C. Vesper. 2,605,476, Aug. 5.
Wrist watch and bracelet. B. Lazrus. 2,591,078, Apr. 1.
Wrist watch guard. R. H. Hucknall. 2,584,270, Feb. 5.
Wrist watch protector. F. J. Brown. 2,595,330, May 6.
Wrist watch support. J. Foster. 2,619,270, Nov. 25.
Writing and drawing implement. L. A. Paul. 2,595,097, Apr. 29.
Writing game planchette. J. J. Batcha. 2,593,244, Apr. 15.
Writing implement, Retractable. F. M. Almes. 2,611,343, Sept. 23.
Writing implement, Three-color. P. Kollsman. 2,608,953, Sept. 2.
Writing pad. E. Sparks. 2,608,771, Sept. 2.
Writing pad for temporary notations. G. W. Dechert. 2,596,890, May 13.
Wrought fittings, Making. P. D. Wurzburger. 2,603,175, July 15.
X-brace construction for collapsible invalids' wheel chairs. H. A. Everest and H. C. Jennings. 2,618,319, Nov. 18.
X-ray analysis of materials. A. Dvořák. 2,589,931, Mar. 18.
X-ray anode current controller. B. Kalmon. 2,607,011, Aug. 12.
X-ray apparatus. T. Douma and A. Verhoeff. 2,617,046, Nov. 4.
X-ray apparatus. E. E. Greenberg, A. H. Felbel, and W. L. Todd. 2,582,776, Jan. 15.
X-ray apparatus. A. J. Kizaur. 2,588,124, Mar. 4.
X-ray apparatus. A. Kuntke. 2,617,047, Nov. 4.
X-ray apparatus. F. Zabransky. 2,605,458, July 29.

X-ray apparatus, Multiplane. O. C. Hollstein. 2,595,260, May 6.
X-ray camera, Series. S. T. Gross. 2,584,962, Feb. 5.
X-ray contrast compositions. W. Galler. 2,613,172, Oct. 7.
X-ray film exposure holder. F. W. Reuter. 2,590,892, Apr. 1.
X-ray film holder. J. T. Bowser. 2,612,609, Sept. 30.
X-ray marker for artificial femoral heads. M. Rosenstein. 2,622,592, Dec. 23.
X-ray microscope. D. McLachlan, Jr., and E. F. Champagne. 2,617,942, Nov. 11.
X-ray motion-picture photography. F.-H. B. Marshall. 2,616,050, Oct. 28.
X-ray photometer. C. A. Hansen, Jr. 2,610,301, Sept. 9.
X-ray shutter. L. S. Bell and T. W. Maltby. 2,593,526, Apr. 22.
X-ray spectrograph. T. P. Meloy. 2,602,142, July 1.
X-ray spectrometry. E. A. Hamacher. 2,619,600, Nov. 25.
X-ray table and cassette visualizing device. J. L. Marks, and D. J. Pelk. 2,617,943, Nov. 11.
X-ray testing apparatus. I. G. Orellana. 2,598,825, June 3.
X-ray therapy grid. H. Marks. 2,624,013, Dec. 30.
X-ray tube. J. V. Kerkhoff. 2,597,498, May 20.
X-ray tube. M. Poittevin. 2,597,817, May 20.
X-ray tube centering device for laminographic examinations. G. Zurli and A. De Regibus. 2,623,180, Dec. 23.
X-ray tube control. E. B. Graves. 2,583,213, Jan. 22.
X-ray tube head. J. Vigh. 2,592,496, Apr. 8.
X-ray tube safety device. E. R. Goldfield and J. Ball. 2,583,095, Jan. 22.
X-type bearing. W. Messinger. 2,607,641, Aug. 19.
Xanthogen compounds. A. H. Fischer. 2,608,573, Aug. 26.
Xanthogen formates. A. H. Fischer. 2,608,572, Aug. 26.
Xerographic plate holder. C. R. Mayo. 2,619,418, Nov. 25.
Y rubber stopper. F. C. Gossett. 2,594,639, Apr. 29.
Yarding device for cutoff saws. C. Schurman. 2,597,678, May 20.
Yarn and making, Elastic. P. E. F. Clay. 2,587,117, Feb. 26.
Yarn and making same, Novel. O. A. Battista. 2,621,392, Dec. 16.
Yarn beam. F. C. Sorton. 2,623,709, Dec. 30.
Yarn brake. K. Buder. 2,618,445, Nov. 18.
Yarn brake. L. te Strake. 2,615,656, Oct. 28.
Yarn carrier rod control mechanism for knitting machines. H. C. Pingel. 2,610,512, Sept. 16.
Yarn carrier tube. K. P. Spindler. 2,600,935, June 17.
Yarn carrier with takeup device for hosiery machines. J. S. Karl. 2,608,844, Sept. 2.
Yarn changer with clamping and cutting means. W. J. Longtin. 2,618,951, Nov. 25.
Yarn clamp. C. F. Brown. 2,608,845, Sept. 2.
Yarn, Decorative. L. Silverman. 2,607,185, Aug. 19.
Yarn delivery guide means. P. J. Thomas. 2,619,296, Nov. 25.
Yarn design forming tool. A. J. Ciroli and P. J. Cannata. 2,611,947, Sept. 30.
Yarn feed assembly. E. St. Pierre. 2,604,769, July 29.
Yarn feed mechanism for knitting machines. M. Zimic and A. Miskovsky. 2,602,312, July 8.
Yarn feed mechanism for knitting machines. M. Zimic and A. Miskovsky. 2,610,493, Sept. 16.
Yarn feeding and tensioning device and process. R. M. Hoffman and F. K. Signaigo. 2,621,391, Dec. 16.
Yarn furnishing mechanism. E. J. Heizer. 2,583,568, Jan. 29.
Yarn guide for automatic bobbin winders. J. W. May. 2,611,547, Sept. 23.
Yarn guiding block for weaving shuttles. S. Wood. 2,607,371, Aug. 19.
Yarn manufacturing. R. G. Dort. 2,596,221, May 13.
Yarn or thread holder. M. C. Tuttle. 2,613,885, Oct. 14.
Yarn package and winding. F. S. Pollock, Jr. 2,585,584, Feb. 12.
Yarn package support. T. M. Hurst. 2,589,389, Mar. 18.
Yarn package support. J. E. Johnson. 2,615,652, Oct. 28.
Yarn package support. W. T. Stearn. 2,597,960, May 27.
Yarn process. H. H. Hebeler. 2,604,667, July 29.
Yarn, Rayon. N. Drisch and R. Brepson. 2,597,577, May 20.
Yarn severing device for full-fashioned knitting machines. A. E. Reading, Jr. 2,602,313, July 8.
Yarn, Single cover elastic. H. E. Cooper. 2,588,361, Mar. 11.
Yarn tension control device. J. Warwick. 2,597,044, May 20.
Yarn tension device. W. T. Stearn. 2,594,510, Apr. 29.
Yarn tensioning. R. J. Taggart. 2,618,444, Nov. 18.
Yarn tensioning device. A. T. Guild. 2,615,655, Oct. 28.
Yarn tensioning device. T. K. Rea. 2,581,142, Jan. 1.
Yarn tensioning device. T. F. Suggs. 2,615,654, Oct. 28.
Yarn tensioning means for bobbin winding machines. R. R. Drake. 2,615,640, Oct. 28.
Yarn threading device for textile machines. R. Dewas. 2,620,146, Dec. 2.
Yarn trapping and severing means for circular knitting machines. A. M. Brown. 2,580,513, Jan. 1.
Yarn traverse for yarn winding machines. E. J. Heizer. 2,611,548, Sept. 23.
Yarn tube unit for Axminster tube frames. W. Y. Robb. 2,608,215, Aug. 26.
Yarn twist distributing machine. M. H. Briscoe. 2,586,294, Feb. 19.
Yarn twister for spinning frames. H. M. Brown. 2,590,374, Mar. 25.
Yarn twisting machine. J. K. Hartley, V. F. West, and T. E. Edwards. 2,599,256, June 3.
Yarn twisting or wrapping device. E. G. Egge. 2,608,048, Aug. 26.
Yarn winder. H. P. Faris and A. J. Ammerall. 2,622,818, Dec. 23.
Yarn winding machine. D. R. Eastwood. 2,609,997, Sept. 9.
Yarn-winding machinery. W. H. Kimpton. 2,609,156, Sept. 2.
Yarn-winding machinery. E. Kinsella. 2,611,549, Sept. 23.
Yarns from hydroxylated polyvinyl compounds, Manufacture of. N. Drisch and P. Herrbach. 2,591,242, Apr. 1.
Yieldable barrier. E. D. Sawyer. 2,602,249, July 8.
Yieldable drive for indicators. R. R. Crookston. 2,603,100, July 15.
Yielding barrier roadway network construction. E. D. Sawyer. 2,605,829, Aug. 5.
Yielding release for mills and crushers. O. C. Gruender. 2,595,249, May 6.
Yoke for pyrophoric lighters. M. Quercia. 2,587,894, Mar. 4.
Zein inks. R. M. Leckley. 2,622,988, Dec. 23.
Zero detector for electronic counters. R. E. Sprague and D. E. Eckdahl. 2,621,854, Dec. 16.
Zero printing control for tabulators. W. Wockenfuss. 2,622,515, Dec. 23.
Zero suppressing means for printing machines. W. T. Gollwitzer. 2,581,649, Jan. 8.
Zero voltage identification device for selector positioning. R. M. M. Oberman. 2,584,153, Feb. 5.
Zeroizing mechanism. C. Herzstark. Re. 23,553, Sept. 30.
Zeroizing mechanism in calculating machines. H. Suter. 2,614,753, Oct. 21.
Zigzag magnetic labyrinth arc muffler. J. A. Favre. 2,615,109, Oct. 21.
Zinc acetate on devolatilized coal. W. H. Gehrke. 2,586,812, Feb. 26.
Zinc aluminate spinels, Preparation of, and the addition of group VI catalysts thereto. G. R. Gilbert. 2,623,020, Dec. 23.
Zinc base casting alloys. S. Kornblum. 2,589,399, Mar. 18.
Zinc base casting alloys and alloying. S. Kornblum. 2,589,398 Mar. 18.
Zinc-copper-tin alloy plating. R. E. Shockley. 2,600,699, June 17.
Zinc cyanide plating bath. R. A. Hoffman. 2,621,152, Dec. 9.
Zinc dithiocarbamate amine complexes, Manufacture of. J. C. McCool. 2,604,484, July 22.
Zinc mercaptobenzothiazole and ferric dimethyl dithiocarbamate fungicidal composition. A. A. Somerville. 2,614,958, Oct. 21.
Zinc oxide, Production of. J. H. Calbeck. 2,603,554, July 15.
Zinc oxysulfate, Production of. W. D. Warinner and E. H. Conroy. 2,602,727, July 8.
Zinc-silver accumulator. H. G. André. 2,594,710–11, Apr. 29.
Zinc smelting. R. K. Waring, L. D. Fetterolf, and T. L. Hurst. 2,598,743, June 3.
Zinc sulfamate antiperspirant. L. D. Apperson. 2,586,289, Feb. 19.
Zinc sulfide phosphors containing aluminum. F. A. Kröger. 2,623,857–8, Dec. 30.
Zinc sulfide phosphors containing gallium. F. A. Kröger and J. A. M. Dikhoff. 2,623,859, Dec. 30.
Zinc sulfide type phosphors. A. H. McKeag and P. W. Ranby. 2,597,660, May 20.
Zinc sulfide type phosphors containing magnesium sulfide. A. L. J. Smith. 2,614,082, Oct. 14.
Zinciate impregnated fiber glass. I. Kenis. 2,583,855, Jan. 29.
Zipper and producing the same. C. C. Cohn. 2,596,888, May 13.
Zipper, Automatically locking. G. Sundback. 2,599,078, June 3.
Zipper closure. F. E. Perry. 2,591,193, Apr. 1.
Zircon ceramic bodies and composition and producing the same, Shaped. K. A. Gebler. 2,598,904, June 3.
Zirconium oxide-silicon oxide silver catalyst support and process using the same. W. E. and J. T. Burt and W. B. Ligett. 2,593,097, Apr. 15.
Zirconium silicate refractory, Production of. C. Shaw, W. E. Smith, and D. E. B. Greensmith. 2,593,352, Apr. 15.
Zirconium tetrafluoride, Producing. H. A. Wilhelm and K. A. Walsh. 2,602,725, July 8.
Zonal ball air bearing. V. A. Tauscher, and J. M. Slater. 2,617,695, Nov. 11.
Zone ticket holder. E. A. Nahm. 2,598,415, May 27.
Zoned elevator system. W. H. Esselman. 2,621,759, Dec. 16.

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LIST OF DESIGN INVENTIONS

Accordion grill. D. K. Traficante. 167,431, Aug. 5.
Acoustical unit. T. Prisland. 166,636, Apr. 29.
Advertising attachment for television cabinets. J. L. P. Polledo. 167,162, July 1.
Advertising display device for attachment to parking meters. J. Rosenberg. 167,174, July 1.
Advertising display standard. L. A. Sauer. 168,125, Nov. 4.
Aerosol spray head. W. C. Harris. 166,536–7, Apr. 22.
Air circulating rotor or similar article. J. H. Woodward. 166,010–13, Feb. 19.
Air cleaner head. W. N. Patterson. 167,223, July 8.
Air Conditioning unit, Room. B. W. Jewell. 167,898, Oct. 7.
Air diffusing outlet for ventilating systems. F. J. Kurth. 166,322–4, Apr. 1.
Air distribution outlet. W. W. Kennedy. 165,983, Feb. 19.
Air motor and hydraulic pump, Combined. D. R. Hill. 165,839, Feb. 5.
Airplane. K. R. Bailey. 166,843, May 27.
Airplane. R. L. Bayless and E. G. Stout. 165,735, Jan. 29.
Airplane. C. W. Huffman. 167,211, July 8.
Airplane. C. L. Johnson. 165,687–8, Jan. 15.
Airplane. A. Kartvell. 166,673, May 6.
Airplane. C. V. Sol and P. Graban. 168,482, Dec. 23.
Airplane hangar, Portable. J. L. Mitchell. 167,468, Aug. 12.
Airplane, Jet-propelled. B. T. Doi. 167,258, July 15.
Airship. R. F. Lewis. 166,475, Apr. 15.
Air speed indicating device. L. E. Wood. 167,242, July 8.
Alphabet for signs. E. Brozen. 166,589, Apr. 29.
Analytical balance. C. Otto and J. Doblin. 165,996, Feb. 19.
Animal figure or the like. M. Tuteur. 167,960, Oct. 14.
Antenna for television, Indoor. R. A. Gordon. 167,457, Aug. 12.
Antenna, Indoor television. H. J. Berney. 167,966, Oct. 21.
Apron or similar article. D. Forest. 166,150, Mar. 11.
Aquarium or the like. B. Yellin. 167,243, July 8.
Armchair. J. Risom. 165,788, Jan. 29.
Arm chair, Compartmented. L. A. Simmons. 167,595, Aug. 26.
Armchair frame. L. Grundy. 165,914, Feb. 12.
Armrest. R. F. Andrews. 168,434, Dec. 23.
Arrow nock. T. R. Raeins. 167,771, Sept. 16.
Artificial bait. W. C. Klenk, III. 166,809, May 20.
Artificial Christmas tree. O. Moessner. 168,107, Nov. 4.
Artificial Christmas tree. G. B. Smith. 165,701, Jan. 15.
Artificial Christmas tree. L. Stark. 166,135, Mar. 11.
Artificial fireplace. K. C. Haas. 166,077, Mar. 4.
Artificial flower bunny. E. Benetos. 168,495, Dec. 30.
Artificial lure. J. J. Bates. 165,626, Jan. 8.
Ash tray. A. R. Albert. 165,705, Jan. 22.
Ash tray. V. S. Belpedio and G. L. Barton. 167,298, July 22.
Ash tray. B. Blecher. 166,902–3, June 3.
Ash tray. B. Blecher. 166,947, June 10.
Ash tray. D. V. Burgess. 165,572, Jan. 1.
Ash tray. G. C. Cattani. 167,136, July 1.
Ash tray. R. H. Galbreath. 168,152, Nov. 11.
Ash tray. S. J. and B. C. Gall. 167,200, July 8.
Ash tray. L. B. Gamby. 168,296, Dec. 2.
Ash tray. L. W. and L. Harms. 167,513, Aug. 19.
Ash tray. E. Harper. 168,223–4, Nov. 18.
Ash tray. E. Hodaly. 167,349, July 29.
Ash tray. F. N. Mariani. 167,702–3, Sept. 9.
Ash tray. E. Pandy. 166,706, May 6.
Ash tray. D. R. Perlongo. 166,272, Mar. 25.
Ash tray. L. A. Revell. 167,720, Sept. 9.
Ash tray. R. W. Stirratt. 168,130, Nov. 4.
Ash tray. M. Tuteur. 168,486, Dec. 23.
Ash tray. W. F. Vernon. 166,509, Apr. 15.
Ash tray and cigarette container, Combined. E. G. Donaldson. 166,805, May 20.
Ash tray and cigarette holder, Combined. J. Berriman, Sr. 167,609, Sept. 2.
Ash tray and writing instrument, Combined. E. Lewis. 165,852, Feb. 5.
Ash tray, compass, sundial, and billboard or similar article, Combined. S. S. Pace. 168,117, Nov. 4.
Ash tray, Glass. L. Poglein. 166,994, June 10.
Ash tray or similar article. H. Briggs. 166,847, May 27.
Ash tray or similar article. R. S. Tobey. 168,484, Dec. 23.
Ash tray or similar article. W. F. Vernon. 166,834, May 20.
Ash tray, Smoking dragon. W. Hoffer. 167,261, July 15.
Atomizer. F. E. Brown. 165,822, Feb. 5.
Atomizer. S. Heftler-Louiche. 167,981, Oct. 21.
Atomizer. C. W. Sundberg. 168,003, Oct. 21.
Atomizer head. M. Franck. 167,030, June 17.
Autoclave. A. Vischer, Jr. 166,283, Mar. 25.
Auto insignia. W. Beene. 166,729–30, May 13.
Automobile. K. Kleve. 168,228, Nov. 18.
Automobile. G. H. Muller. 167,905–06, Oct. 7.
Automobile. H. Thompson. 166,833, May 20.
Automobile. W. Wiggins, Jr. 168,005, Oct. 21.
Automobile bumper. D. E. Scott. 167,428, Aug. 5.
Automobile dash tray. N. Shaeffer. 168,480, Dec. 23.
Automobile door visor. J. P. and J. G. Groboski. 167,797, Sept. 23.
Automobile gasoline door guard. M. B. Kramer. 166,541, Apr. 22.
Automobile grille bar. H. J. Keane. 165,589, Jan. 1.
Automobile grille bar. F. Reynolds. 165,608, Jan. 1.
Automobile grille bar. F. Reynolds. 167,373, July 29.
Automobile grille panel. M. C. Mawhinney. 167,800, Sept. 23.
Automobile headlight visor. D. Pattis. 168,418, Dec. 16.
Automobile hood ornament. H. J. Keane. 167,753, Sept. 16.
Automobile hood ornament. F. Reynolds. 167,372, July 29.
Automobile lamp lens housing. H. T. Bannister. 167,296, July 22.
Automobile lamp lens housing and grille bar, Combined. H. J. Keane. 167,357, July 29.
Automobile safety door lock. J. M. Schumann. 168,424–5, Dec. 16.
Automobile wind deflector. H. A. Reichman. 166,494, Apr. 15.
Automotive heater housing. A. G. Bergstrom. 168,251, Nov. 25.
Automotive vehicle hood ornament. R. J. Pepin. 168,315, Dec. 2.
Awning. M. E. Moore. 168,062, Oct. 28.
Awning. R. L. Moore. 167,524, Aug. 19.
Awning. C. J. Olson, W. E. Bobo, and F. H. Hudson. 168,368, Dec. 9.
Awning. R. B. Price. 167,717, Sept. 9.
Awning, Metal. R. A. Childers and C. C. Miller. 166,736, May 13.
Awning or similar article, Foldable. N. L. Etten. 167,198, July 8.
Axe and hook, Combined. J. G. Oake. 166,408, Apr. 8.
Baby carriage body. M. Lewin. 168,308, Dec. 2.
Baby carriage or similar article, Convertible. J. Berger. 167,331, July 29.
Baby teether. R. M. Hayes. 168,505–6, Dec. 30.
Baby walker. H. E. Rhodes. 168,275, Nov. 25.
Backboard for an amusement device or the like. O. M. Monkres. 167,469, Aug. 12.
Back guard for a range. R. E. Kruck. 165,767, Jan. 29.
Back rest. F. J. Brady. 168,139, Nov. 11.
Backsplasher and top for electric ranges, Combined. R. B. Janes. 166,967, June 10.
Badge. A. J. Merkel. 166,767, May 13.
Badge. M. E. Wright. 167,875, Sept. 30.
Badge or the like. A. Gonzalez. 166,602, Apr. 29.
Bank and ash tray, Combined. C. E. Holmes. 168,094, Nov. 4.
Bank and book end, Combination. E. B. Fitzgerald. 165,712, Jan. 22.
Bank and picture frame, Combined. B. B. Salmon. 166,228, Mar. 18.
Bank and picture frame, Combined. B. B. Salmon. 167,117, June 24.
Bank, Coin. J. Bloch. 168,392, Dec. 16.
Bank, Moneybag. B. and M. Krebs. 166,473, Apr. 15.
Bank, Savings. E. Handler. 167,312, July 22.
Bar unit or similar article, Food and drink. W. S. Milner. 166,096, Mar. 4.
Barbecue meat cooker and bun toaster, Combined. F. F. Gunther. 167,077, June 24.
Barbecue, Portable. M. B. Pollard. 165,998, Feb. 19.
Barbecue stand and lazy Susan, Combined. A. M. Fort. 168,091, Nov. 4.
Barometer support or similar article. C. H. H. Rodanet. 167,318, July 22.
Base and upright for a food mixer or the like, Combined. I. Jepson. 167,150, July 1.
Baseball glove. T. B. Blepp. 168,496, Dec. 30.
Base for table lamps. E. Schwarz. 166,932, June 3.
Base for table lamps. E. Schwarz. 167,814–15, Sept. 28.

Base for table lamps. E. Schwarz. 167,865, Sept. 30.
Base, Power lawn mower. J. K. McMaster. 166,267, Mar. 25.
Base support for clamp type food grinder or similar article. R. M. Marcantonio. 166,814, May 20.
Basket, Food. R. Bang. 167,605, Sept. 2.
Basket, Outdoor flower. E. M. Gipson. 167,400, Aug. 5.
Bassinet or similar article. H. L. Kirby. 165,763, Jan. 29.
Bathroom ash tray and supporting bracket therefor, Combined. S. Coller. 168,213, Nov. 18.
Bathroom unit, Combination. L. E. Bagwell. 166,061, Mar. 4.
Bathtub. E. R. Koppel. 167,574–6, Aug. 26.
Bathing suit. M. Solomon. 165,882, Feb. 5.
Bathing suit lining. S. Annis. 166,167, Mar. 18.
Battery filler unit. A. H. Mosher. 166,482, Apr. 15.
Battery holder and capacitor for photographic flashlights or similar articles, Combined. J. W. Kinney, Jr. and M. McMath. 168,303, Dec. 2.
Battery service jug. R. B. Edelmann. 168,255, Nov. 25.
Bed, Bunk. A. Brill. 166,796, May 20.
Bed cabinet, Recessed. R. A. Welss. 168,201, Nov. 11.
Bed, clothes press, and chest, Combined child's. C. Jackson. 167,632, Sept. 2.
Bed headboard. C. Bombara. 167,192, July 8.
Bed headboard and chair unit, Combined. C. Bombara. 167,191, July 8.
Bed spring support. R. W. Rosenthal, Jr. 167,722, Sept. 9.
Bed unit, Nursery. D. F. Kerby. 167,754, Sept. 16.
Bell. S. S. Sarna. 166,928–30, June 3.
Bell. S. S. Sarna. 167,282, July 15.
Bell and bottle cap remover, Combined. S. S. Sarna. 167,005, June 10.
Bell and bottle cap remover, Combined. S. S. Sarna. 167,861, Sept. 30.
Bell unit, Christmas. S. S. Sarna. 166,931, June 3.
Belt. A. Garay. 165,578, Jan. 1.
Belt and holsters set, Combined. H. R. Weltzman. 166,433, Apr. 8.
Belt buckle or similar article. H. Stelzer. 168,242–4, Nov. 18.
Belt sander. F. W. Moore. 166,045, Feb. 26.
Belting or the like. G. W. Delano. 168,147, Nov. 11.
Bench. W. L. Campbell. 167,738, Sept. 16.
Bench. A. H. Schaefer. 167,811, Sept. 23.
Beverage cooler and dispenser or similar article, Combination. H. C. Fischer and L. P. Benua. 167,308, July 22.
Bib, Infant's. R. E. Mearns. 165,693, Jan. 15.
Bicycle, Child's. W. Llines. 166,693, May 6.
Bicycle, Motor. C. Gilcrall. 166,386, Apr. 8.
Bicycle trainer. M. Kosack. 167,697, Sept. 9.
Bicycle trainer wheel and bracket, Combined. S. Wilkens. 168,202, Nov. 11.
Billfold and picture holder or the like, Combined. W. Lipp. 165,770, Jan. 29.
Billfold or the like. W. Lipp. 165,771, Jan. 29.
Bird perch and mirror, Combined. L. Moon. 166,334, Apr. 1.
Blouse. J. Orloff. 165,600–4, Jan. 1.
Blouse. J. Orloff. 166,119, Mar. 11.
Blouse. J. Orloff. 166,697–704, May 6.
Blouse. J. Orloff. 168,170–80, Nov. 11.
Blouse or similar article. T. C. Giangrosso. 168,259, Nov. 25.
Blousette or similar article. M. R. Anthony and D. Calvacca. 168,204, Nov. 18.
Blower for fireplace fire. W. V. Dennis, Jr. 167,028, June 17.
Board, Cribbage. W. C. Horn. 165,651, Jan. 8.
Board for a game device or the like, Playing. O. M. Monkres. 167,470, Aug. 12.
Board, Game. W. J. Champion. 165,634, Jan. 8.
Board, Game. W. J. Champion. 165,739, Jan. 29.
Board, Game. I. E. Cline. 166,144, Mar. 11.
Board, Game. A. J. Henry. 166,393, Apr. 8.
Board, Game. A. G. Hobbs. 165,918, Feb. 12.
Board, Game. E. P. Truesdale. 165,888, Feb. 5.
Board, Meat carving. M. F. Klein. 168,304, Dec. 2.
Board or similar article, Display. J. J. Greltzer. 167,143, July 1.
Boat, Passenger. W. Wiggins, Jr. 166,514, Apr. 15.
Bobby pin. A. Olevin. 167,766, Sept. 16.
Bookcase. S. W. Smille. 165,940, Feb. 12.
Bookholder. W. J. Bargen. 165,817, Feb. 5.
Bookholder. W. A. Pinkham, Jr. 168,420, Dec. 16.
Bookmark. S. G. Zaccone. 167,016, June 10.
Bookrack and floor lamp, Combined. J. James. 167,835, Sept. 30.
Boot. G. H. Bingham, Jr. 166,945, June 10.
Boot. I. D. Wilcox. 166,837, May 20.
Boot, Child's. J. B. Reinhart, Jr., and J. B. Ruebel. 167,164, July 1.
Boot for dogs. H. E. Monroe. 167,092, June 24.
Boot, Lady's. B. A. Hausfeld and C. G. Tooker. 167,980, Oct. 21.
Booty drier and coat hanger, Combination. G. J. Kupchik. 165,988, Feb. 19.
Bottle. R. Achard. 165,893, Feb. 12.
Bottle. W. H. Baird. 168,390, Dec. 16.
Bottle. E. M. Burq. 166,017, Feb. 26.
Bottle. R. A. Blunt. 166,731, May 13.
Bottle. E. G. Ferris. 166,250, Mar. 25.
Bottle. B. D. Fuerst. 167,345, July 29.
Bottle. J. H. Funkey. 166,461, Apr. 15.
Bottle. D. Goldstein. 166,462, Apr. 15.
Bottle. C. R. Hall. 167,208, July 8.
Bottle. A. R. Kaufer. 167,085, June 24.
Bottle. H. K. Knight. 167,637, Sept. 2.
Bottle. R. P. Kunett. 166,542, Apr. 22.
Bottle. I. R. Linnard. 168,312, Dec. 2.
Bottle. A. I. Lorenzen. 167,701, Sept. 9.
Bottle. A. I. Lorenzen. 168,361, Dec. 9.
Bottle. J. B. McGinnis. 168,416, Dec. 16.
Bottle. E. Rachins. 166,996–7, June 10.
Bottle. N. W. Schwartz. 166,229, Mar. 18.
Bottle. J. Serra. 166,002, Feb. 19.
Bottle. C. M. Sittason. 168,523, Dec. 30.
Bottle. F. Smith. 166,052, Feb. 26.
Bottle. J. Stengren. 165,671, Jan. 8.
Bottle. F. L. Twitty. 165,805, Jan. 29.
Bottle. R. Vuillemenot. 167,181, July 1.
Bottle and bottle cap, Combined. M. M. Barton. 165,734, Jan. 29.
Bottle and bottle cap, Combined. P. A. Marchant. 165,773, Jan. 29.
Bottle and holder, Combined. P. Garretto. 167,626, Sept. 2.
Bottle cap and screw driver, Combined. J. S. Kwiatkowski. 166,919, June 3.
Bottle carrier, Collapsible. W. A. Ringler. 167,808, Sept. 23.
Bottle, Decanter. E. Du Pree. 166,595, Apr. 29.
Bottle, Decanter. J. A. Margolis. 166,477, Apr. 15.
Bottle, Flexible. J. B. Montenler. 168,109–10, Nov. 4.
Bottle, Infant nursing. B. Nusbaum. 167,273, July 15.
Bottle, Nongurgling. C. E. de Sá Cardoso. 166,454, Apr. 15.
Bottle, Nursing. A. J. Tarranton. 167,914, Oct. 7.
Bottle or similar article. W. E. Boschin. 166,066, Mar. 4.
Bottle or similar article. J. D. Buckingham. 166,526, Apr. 22.
Bottle or similar article. E. Rachins. 166,995, June 10.
Bottle, Serving. M. A. Welsbrot. 166,057, Feb. 26.
Bottle warmer, Baby. I. Jepson. 167,462, Aug. 12.
Bottle, Wine or liquor. H. E. Serlin. 167,286, July 15.
Boudoir cabinet and lamp, Combined. S. Cannella. 167,137, July 1.
Bowl. C. F. Adams. 168,283, Dec. 2.
Bowl and cover, Combined. J. Brahm. 165,821, Feb. 5.
Bowl, Manicurist. L. H. Blackburn. 167,672, Sept. 9.
Bowl, Mixing. R. F. Rodier. 167,166, July 1.
Bowl or similar article, Plywood. H. s Ambellan. 166,940, June 10.
Bowl or the like. J. Bloch. 167,249, July 15.
Bowl, Salad. C. O. Bliss. 165,960, Feb. 19.
Bowl, Sugar. C. O. Bliss. 166,586, Apr. 29.
Bowl, Sugar. R. G. Cowan. 165,825, Feb. 5.
Bowl, Sugar. D. E. Folley. 167,829, Sept. 30.
Bowl, Toilet. W. B. Cramer. 168,019, Oct. 28.
Box. E. J. Francis. 167,977, Oct. 21.
Box. G. Siegel. 166,132, Mar. 11.
Box. J. R. Watkins. 165,728 Jan. 22.
Box, Biscuit. A. M. Guior. 168,502, Dec. 30.
Box, Candy. M. Schwartz. 167,488, Aug. 12.
Box, Compartmented. N. R. Dunbar. 166,147, Mar. 11.
Box, Cosmetic. H. S. Blauvelt. 167,922, Oct. 14.
Box for a perfume bottle or similar article. J. Saville. 166,130, Mar. 11.
Box for containing confections. A. Matzen. 168,102, Nov. 4.
Box for wrist watch and parts therefor. J. Howard. 166,194–5, Mar. 18.
Box, Jewelry. F. M. Bedinger. 166,238, Mar. 25.
Box, Jewelry. F. M. Bedinger. 167,668, Sept. 9.
Box, Jewelry. M. Weill. 165,807, Jan. 29.
Box, Jewelry. M. Weill. 167,918, Oct. 7.
Box, Multicompartmented. A. M. Rosenfeld. 165,666, Jan. 8.
Box, Novelty. C. Kraml. 167,902, Oct. 7.
Box or similar article, Ring. R. L. Chipman, Jr. 166,298, Apr. 1.
Box, Watch. F. E. Blod and A. M. Blumenfeld. 166,295, Apr. 1.
Box, Watch. M. Weill. 167,014, June 10.
Bracelet. F. C. Witmer. 165,622, Jan. 1.
Bracelet, Expansible. W. C. Boots. 166,373, Apr. 8.
Bracelet or similar article. I. Daniels. 166,531, Apr. 22.
Bracelet or similar article. C. T. Parisi. 165,606, Jan. 1.
Bracelet or similar article, Novelty. M. M. Schrager. 166,718, May 6.
Bracelet or the like. A. Katz. 166,608, Apr. 29.
Bracelet or the like. A. Katz. 166,674, May 6.
Bracelet or the like. A. Katz. 166,755, May 13.
Bracelet or the like. A. Katz. 166,976, June 10.
Bracelet or the like. A. Katz. 166,978, June 10.
Bracelet or the like. A. Katz. 168,350, Dec. 9.
Bracelet or the like. A. Katz. 168,353–4, Dec. 9.
Bracelet or the like. A. Katz. 168,356–7, Dec. 9.
Bracelet or the like. A. Katz. 168,359, Dec. 9.
Bracelet or the like. A. Philippe. 166,489, Apr. 15.
Bracelet or the like. A. Philippe. 166,621, Apr. 29.
Bracelet or the like. A. Philippe. 166,629, Apr. 29.
Bracelet or the like. A. Philippe. 167,370, July 29.
Bracelet or the like. A. Philippe. 167,585, Aug. 26.

Bracelet or the like. A. Philippe. 167,653–4, Sept. 2.
Bracelet or the like. J. V. Saccone. 167,425, Aug. 5.
Bracelet or the like, Expansible. S. Meyerson. 167,995, Oct. 21.
Bracelet, Rosary. E. J. Towle. 166,107, Mar. 4.
Bracket or the like. T. R. Symington. 168,074, Oct. 28.
Brassière. S. and I. Geratein. 167,685, Sept. 9.
Brassière. M. Imershein. 167,631, Sept. 2.
Brassière. S. Kaufman. 165,851, Feb. 5.
Brassière. M. Newman. 166,485, Apr. 15.
Brassière or similar article. H. B. Levy. 168,360, Dec. 9.
Brassière or the like, Flexible plastic. J. Condé. 167,497, Aug. 19.
Brassière slip. J. Train. 165,803, Jan. 29.
Bread box. S. J. Popell. 166,225, Mar. 18.
Bridge for ophthalmic mountings. J. J. Rohrbach. 167,657, Sept. 2.
Bridge tally. V. Martin. 165,774, Jan. 29.
Broiler, Electric. M. Steinbook. 167,122, June 24.
Brooch or similar article. W. A. Brown. 165,632, Jan. 8.
Brooch or similar article. J. Martial and L. L. Ciampa. 167,091, June 24.
Brooch or similar article. A. Philippe. 165,664, Jan. 8.
Brooch or similar article. A. Philippe. 166,211, Mar. 18.
Brooch or similar article. A. Philippe. 166,339–41, Apr. 1.
Brooch or similar article. A. Philippe. 166,346–9, Apr. 1.
Brooch or similar article. A. M. Pond. 166,633, Apr. 29.
Brooch or the like. W. C. Bundy. 168,210, Nov. 18.
Brooch or the like. A. Katz. 165,580, Jan. 1.
Brooch or the like. A. Katz. 166,606, Apr. 29.
Brooch or the like. A. Katz. 166,675, May 6.
Brooch or the like. A. Katz. 166,691, May 6.
Brooch or the like. A. Katz. 166,969–75, June 10.
Brooch or the like. A. Katz. 166,980, June 10.
Brooch or the like. A. Katz. 167,038–41, June 17.
Brooch or the like. A. Katz. 168,039–49, Oct. 28.
Brooch or the like. A. Katz. 168,404, Dec. 16.
Brooch or the like. A. Katz. 168,407, Dec. 16.
Brooch or the like. A. Philippe. 166,214–22, Mar. 22.
Brooch or the like. A. Philippe. 166,351–2, Apr. 1.
Brooch or the like. A. Philippe. 166,355, Apr. 1.
Brooch or the like. A. Philippe. 166,491, Apr. 15.
Brooch or the like. A. Philippe. 166,565–71, Apr. 22.
Brooch or the like. A. Philippe. 166,622–8, Apr. 29.
Brooch or the like. A. Philippe. 166,631–2, Apr. 29.
Brooch or the like. A. Philippe. 166,711, May 6.
Brooch or the like. A. Philippe. 167,051–7, June 17.
Brooch or the like. A. Philippe. 167,225–9, July 8.
Brooch or the like. A. Philippe. 167,274, July 15.
Brooch or the like. A. Philippe. 167,367, July 29.
Brooch or the like. A. Philippe. 167,711–16, Sept. 9.
Brooch or the like. A. Philippe. 168,068–9, Oct. 28.
Brooch or the like, Separable. A. Katz. 166,319, Apr. 1.
Brooch or the like, Separable. A. Katz. 168,400, Dec. 16.
Brooch, Separable. A. Katz. 167,037, June 17.
Brooch, Separable. A. Katz. 167,084, June 24.
Brush. M. H. Partridge. 165,862, Feb. 5.
Brush and squeegee, Combined. J. H. Carter. 167,335, July 29.
Brush cleaner for floors and walls. M. Herron. 165,753, Jan. 29.
Brush for kitchen utensils or the like. C. A. Porter. 167,950, Oct. 14.
Brush, Fountain. E. M. Apple. 167,064, June 24.
Brush, Fountain. E. C. Rowser and E. M. Apple. 166,128, Mar. 11.
Brush or similar article, Scalp massage. W. W. Pearce. 166,124, Mar. 11.
Brush, Paint. A. A. Schmidt. 167,775, Sept. 16.
Brush, Shampoo. A. L. Le Febvre. 166,086, Mar. 4.
Brush to shine shoes or similar article, Rotary. V. A. Restagno. 167,909, Oct. 7.
Bubble blowing device. H. Margolis. 168,166, Nov. 11.
Bubble level. T. Harris. 168,401, Dec. 16.
Buckle. V. Milstein. 166,044, Feb. 26.
Buckle. G. R. Petterutl. 168,118, Nov. 4.
Buckle. G. A. Turini. 168,196, Nov. 11.
Buckle and lighter, Combined. A. W. Paciello. 166,409, Apr. 8.
Buckle, Belt. A. Bliss. 167,823, Sept. 30.
Buckle for a sanitary belt. E. E. Statter. 165,669, Jan. 8.
Buckle frame. P. W. White. 168,133, Nov. 4.
Buckle, Separable belt. M. Brock. 167,439–41, Aug. 12.
Bug deflector. A. Chicorel. 167,676, Sept. 9.
Building. C. Booth, M. Falk, and A. Christensen. 167,557, Aug. 26.
Building. G. M. Howell. 168,509, Dec. 30.
Building frame member, Precast concrete. D. Rubenstein. 166,129, Mar. 11.
Building mounted combination air intake and exhaust vent for heaters. A. W. Lundstrum. 165,772, Jan. 29.
Bulb, Electric. A. and M. Yanks. 167,819, Sept. 23.
Bumper guard, Automobile. H. T. Bannister. 167,327, July 29.
Bumper guard, Automobile. H. T. King. 167,358, July 29.
Bunting, Baby. G. Schwartz. 165,700, Jan. 15.
Burner, Gas. D. L. Painter. 165,780, Jan. 29.
Burner, Gas. R. E. Solomon, R. Shelton, and C. W. Agee. 165,883, Feb. 5.
Cabinet. W. R. Porter. 167,770, Sept. 16.
Cabinet and couch, Combined. R. E. Brandenburger, Sr. 165,571, Jan. 1.
Cabinet and desk, Vertically adjustable combination. B. S. L. Freitag. 165,745, Jan. 29.
Cabinet, Bar. M. Renna. 165,787, Jan. 29.
Cabinet, Combination clock and radio receiver. R. D. Budlong. 167,194, July 8.
Cabinet, Combination television and radio-phonograph. S. E. Adler. 166,786, May 20.
Cabinet, Combined television and radio-phonograph. S. E. Adler. 165,731, Jan. 29.
Cabinet, Dispensing. M. Harrison. 166,310, Apr. 1.
Cabinet, Display. L. S. Dorsey. 167,679, Sept. 9.
Cabinet, Display. B. M. Levinger. 165,592, Jan. 1.
Cabinet electric air circulator. D. L. McFarland. 167,759, Sept. 16.
Cabinet for a heater or the like. M. E. Hosmer. 168,450, Dec. 23.
Cabinet for a phonograph remote-control unit. D. C. Rockola. 167,953, Oct. 14.
Cabinet for an amusement game apparatus. L. A. Durant. 168,217, Nov. 18.
Cabinet for bakery products or the like. J. MacManus. 167,158, July 1.
Cabinet for dispensing cones, cups, and the like. F. W. Turnbull. 168,526, Dec. 30.
Cabinet for television receiving set. J. D. Portanova. 165,934, Feb. 12.
Cabinet for television receiving set. J. D. Portanova. 166,047, Feb. 26.
Cabinet, Ice-maker. R. Loewy. 166,545, Apr. 22.
Cabinet, Kitchen wall. R. D. Sherman. 167,724, Sept. 9.
Cabinet, Laundry tub. B. E. Mustee. 167,644, Sept. 2.
Cabinet or similar article, Display. A. Shilin and H. Denworth. 165,798, Jan. 29.
Cabinet, Portable radio. R. D. Budlong. 167,613, Sept. 2.
Cabinet, Radio. S. E. Adler. 165,814, Feb. 5.
Cabinet, Radio. S. E. Adler. 166,290–1, Apr. 1.
Cabinet, Radio. S. E. Adler. 166,788, May 20.
Cabinet, Radio. R. D. Budlong. 167,612, Sept. 2.
Cabinet, Radio. R. D. Budlong. 167,614, Sept. 2.
Cabinet, Radio. A. R. Dahlberg. 167,742, Sept. 16.
Cabinet, Radio receiver. R. D. Budlong. 167,615, Sept. 2.
Cabinet, Record. M. Offner. 167,765, Sept. 16.
Cabinet, Refrigerator. T. H. Koeber, B. Dales, and D. Chapman. 168,159, Nov. 11.
Cabinet, Refrigerator. R. C. Sandin. 166,715–16, May 6.
Cabinet, Refrigerator. J. H. Walter. 166,367, Apr. 1.
Cabinet, Telephone utility. B. Applebaum. 167,734, Sept. 16.
Cabinet, Television. I. M. Johnson. 166,081, Mar. 4.
Cabinet, Television. J. W. Kelso. 168,410, Dec. 16.
Cabinet, Television. J. D. Portanova. 165,935, Feb. 12.
Cabinet unit, Kitchen. C. E. O'Neal. 168,169, Nov. 11.
Cage, Bird. E. Yellin. 167,436, Aug. 5.
Camera, Box. A. H. Crapsey, Jr. 167,256, July 15.
Camera dolly. S. Krilanovich. 166,112, Mar. 11.
Camera, Duplex. F. H. Owens. 167,997, Oct. 21.
Camera or similar article. T. Corsi and E. Palamidessi. 168,088, Nov. 4.
Camera or the like. H. Lamb. 167,577, Aug. 26.
Camera, Retinal. R. V. Gerhardt. 167,455, Aug. 12.
Camera support and floodlight lamp holder, Combined. A. Secofsky, M. A. Meisel, and A. Zalman. 166,933, June 3.
Can, Dispensing. W. Mack. 167,991, Oct. 21.
Candelabrum. V. H. Bisharat. 167,924, Oct. 14.
Candelabrum. A. F. Klingberg. 168,459–61, Dec. 23.
Candle, Decorative. A. A. de Berg. 166,802, May 20.
Candlestick. K. W. Todd. 166,428, Apr. 8.
Candy bar. C. M. Kretchmer. 166,810, May 20.
Candy box, Ornamented. M. Schwartz. 167,592, Aug. 26.
Candy confection. J. Q. Dunbar. 167,564, Aug. 26.
Canister wall shelf unit. C. L. Curry. 167,972, Oct. 21.
Canisters or similar articles, Metal. F. Diamond. 168,291, Dec. 2.
Cap. E. Kalralla. 166,317, Apr. 1.
Cap or the like. C. O. Todd. 166,366, Apr. 1.
Card game tray. E. H. Noelting. 166,696, May 6.
Card, Greeting. D. Adams. 166,236, Mar. 25.
Card or the like, Greeting. E. J. Jones. 166,038, Feb. 26.
Card or the like, Informal. E. J. Jones. 166,037, Feb. 26.
Cargo-carrying rotary wing aircraft and the like. G. G. Clewlow. 166,851, May 27.
Carpet. R. Fleck. 166,384, Apr. 8.
Carpet. R. Heller. 167,982–4, Oct. 21.
Carpet or similar article. G. V. Uiblein. 166,581, Apr. 22.
Carpet underliner. C. Lachman. 166,085, Mar. 4.
Carrier for flatware. E. Keating. 168,158, Nov. 11.
Cart, Mail sack. D. L. Fiori. 167,566, Aug. 26.
Cart for a golf bag. A. C. Grant. 166,308, Apr. 1.
Cart for transporting a golf bag or the like. J. H. Gunning. 166,464, Apr. 15.
Cart, Nesting. Samu-El Ish-Shalom. 165,758, Jan. 29.
Case and wrench set unit, Combined. W. Selikoff and W. B. McBride. 167,868, Sept. 30.
Case, Bottle. A. D. Erickson. 167,622, Sept. 2.
Case for credit plate. G. A. Gazan, Jr. 168,398, Dec. 16.
Case for electrical testing instrument. A. D. Hopkins. 167,403, Aug. 5.
Case for sewing-machine attachments or the like. R. W. Burgess. 168,287, Dec. 2.
Case for spectacles or the like. C. A. Baratelli. 168,138, Nov. 11.
Case, Lipstick. A. Muscetra. 165,597, Jan. 1.

Case, Merchandise display. M. L. Shanahan. 165,797, Jan. 29.
Case, Mezuzah. M. W. Lawsky. 166,400, Apr. 8.
Case or similar article, Watch. L. Newhouse. 165,599, Jan. 1.
Case, Photographic camera. J. O. Reinecke. 165,786, Jan. 29.
Case, Piano. W. Millington and W. M. Day. 167,804, Sept. 23.
Case, Time stamp. M. Juhas. 166,754, May 13.
Casing for a door closer. E. L. Schlage. 166,882–4, May 27.
Casing for a piano or similar article. J. Barofsky. 167,329, July 29.
Casing for a piano or similar article. J. Barofsky. 167,606, Sept. 2.
Casing for a space heater. W. R. Robra. 168,372–3, Dec. 9.
Casing for an amusement game. H. L. Skelly and E. Freedman. 166,503, Apr. 15.
Casing for strip material feeder for attachment to sewing machines or the like. M. A. Sigoda. 165,880, Feb. 5.
Caster cup or similar article. B. Auer. 167,602–3, Sept. 2.
Caster cup or similar article. B. Auer. 167,876, Sept. 30.
Caster cup or similar article. B. Auer. 167,963, Oct. 21.
Catch for a luggage case or similar article. W. G. Axtell. 167,384, Aug. 5.
Centrifugal separator. C. F. Åller. 168,013, Oct. 28.
Centrifuge spider. G. B. Via. 165,620, Jan. 1.
Chain, Expansible. E. Prestinari. 167,539, Aug. 19.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 165,896, Feb. 12.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 168,492–3, Dec. 30.
Chain for a bracelet or the like, Expansible. W. C. Boots. 166,948, June 10.
Chain for a bracelet or the like, Expansible. W. C. Boots. 168,207–8, Nov. 18.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 167,542, Aug. 19.
Chain for a bracelet or the like, Link. A. Philippe. 168,187–8, Nov. 11.
Chain for a necklace or similar article, Link. M. Chernow. 167,795–6, Sept. 23.
Chain for a necklace or the like, Link. A. Philippe. 167,097, June 24.
Chain for a necklace or the like, Link. A. Philippe. 168,185–6, Nov. 11.
Chain for a wristband or similar article. A. Pinson. 167,160–1, July 1.
Chain for a wrist watch bracelet or the like, Expansible. W. C. Boots. 166,372, Apr. 8.
Chain, Ornamental. G. Armbrust. 168,014, Oct. 28.
Chain, Ornamental. C. F. Jager. 165,847, Feb. 5.
Chair. J. S. Burdick. 167,196, July 8.
Chair. J. C. Clechelli. 168,212, Nov. 18.
Chair. P. C. Curtis. 166,660, May 6.
Chair. S. J. Guillon. 168,501, Dec. 30.
Chair. B. F. Hamilton. 166,192, Mar. 18.
Chair. J. M. Hofgesang. 167,940, Oct. 14.
Chair. W. K. Hutchason. 166,539, Apr. 22.
Chair. R. Komni. 166,397, Apr. 8.
Chair. J. F. Laskowitz. 166,398, Apr. 8.
Chair. W. C. Lucas. 168,465, Dec. 23.
Chair. F. C. Maurer. 165,714, Jan. 22.
Chair. R. M. Nelson. 165,776, Jan. 29.
Chair. M. Pearlstine. 166,540–50, Apr. 22.
Chair. M. F. Pechnikoff. 167,419, Aug. 5.
Chair. L. E. Rudin and R. S. Schwartz. 166,040, Feb. 26.
Chair. H. B. Shephard. 167,593, Aug. 26.
Chair. R. E. Weltz. 166,938, June 3.
Chair and ottoman or similar article, Combination contour. E. R. Hicks. 167,514, Aug. 19.
Chair, Child's. F. E. Ducey. 166,908, June 3.
Chair, Child's. M. A. Lydon. 165,853, Feb. 5.
Chair, Child's rocking. B. F. Hamilton. 166,035, Feb. 26.
Chair, Deck. R. A. O'Neill. 166,990, June 10.
Chair, Folding. F. E. Chehak. 165,907, Feb. 12.
Chair, Folding. M. J. Nissman. 168,518, Dec. 30.
Chair frame. A. F. Staats. 168,129, Nov. 4.
Chair frame, Reclining. A. S. Goldberg. 166,910, June 3.
Chair frame, Tubular lounge. O. Becker. 167,607, Sept. 2.
Chair, Lounge. J. D. Bell. 166,585, Apr. 29.
Chair, Lounge. J. F. Laskowitz. 166,983, June 10.
Chair, Lounge. M. Manne and J. T. Herzog. 166,402, Apr. 8.
Chair, Lounge. R. D. Williams. 168,429, Dec. 16.
Chair lounge, Convertible. A. J. Duke. 167,450, Aug. 12.
Chair, Nesting. B. R. Weill. 166,893, May 27.
Chair or the like, Lounge. J. Luckhardt. 167,761, Sept. 16.
Chair, Reclining. R. A. Maurer. 166,815, May 20.
Chair, Tubular metal arm. O. Becker. 167,608, Sept. 2.
Chaise, Adjustable. J. C. Witty. 167,491, Aug. 12.
Chaise longue. H. H. Goldberg. 168,342, Dec. 9.
Chaise longue. A. F. Kronman. 167,409, Aug. 5.
Chaise longue. W. F. Lamb. 168,270, Nov. 25.
Chaise longue. D. G. Wogomon and H. Pederson. 166,655, Apr. 29.
Chart, Height record. T. Larson. 167,945, Oct. 14.
Check stand or similar article. W. H. Crawford. 166,174, Mar. 18.
Check stand or similar article. F. W. Hartup. 166,193, Mar. 18.
Checkerboard. G. F. Wales. 167,382, July 29.
Chest. M. L. Gershun. 168,443, Dec. 23.
Chest and telephone stand, or similar article, Combined. G. E. Edler. 166,532, Apr. 22.
Chest of drawers. W. A. Rundell. 168,377, Dec. 9.
Chest of drawers and clothes rack, Combined. L. Heftel. 167,460–1, Aug. 12.
Chest, writing desk, and extension table, Combination. S. T. Anderson. 167,733, Sept. 16.
Chiffonier or similar article, Gentleman's. F. A. Pierce. 167,587, Aug. 26.
Child's seat or the like, Auxiliary. E. A. Contadino. 168,334, Dec. 9.
Chimney. M. L. Bowman. 167,736, Sept. 16.
Chocolate tempering mill unit. R. E. Savage. 166,103, Mar. 4.
Christmas ornament. M. M. Schrager. 167,660, Sept. 2.
Christmas tree. H. S. Anderson. 165,732, Jan. 29.
Christmas tree holder. J. E. Scanland. 168,379, Dec. 9.
Cigarette and cigarette lighter case, Combined. M. D'Orsay. 166,178, Mar. 18.
Cigarette and matchbook case or similar article, Combined. R. Eckenboy. 167,506, Aug. 19.
Cigarette box, cigarette holder, and smoking device, Combined. E. R. Wilkinson. 166,783, May 13.
Cigarette case or similar article. A. L. White. 166,512, Apr. 15.
Cigarette holding and dispensing device. B. H. Brown. 166,848, May 27.
Cigarette package holder, magnifying glass, and telescope or similar article, Combined. S. Rachel. 168,121, Nov. 4.
Cigarette package holder or similar article. M. A. Touart, Jr. 168,131, Nov. 4.
Cigarette stand and holder, Combined. A. C. Kather. 167,635, Sept. 2.
Cigarette stand and holder, Combined. A. C. Kather. 168,038, Oct. 28.
Clamp for jewelry parts, Flexible. W. H. Hatch. 168,402, Dec. 16.
Clamp, Hair holding. J. H. Honig. 168,449, Dec. 23.
Clasp for necklaces or the like, Adjustable. M. Pagliuca. 165,779, Jan. 29.
Clasp, Hair. J. Halpern. 167,571, Aug. 26.
Cleaner and scraping unit. S. Lustbader. 166,812, May 20.
Cleaner, Aquarium. S. Wellburg. 166,284, Mar. 25.
Clip. M. I. Glass. 167,686–7, Sept. 9.
Clip. H. G. Meyer. 168,103, Nov. 4.
Clip and pencil holder, Combined. B. B. Alvarez. 168,491, Dec. 30.
Clip for eyeglasses, Detchable ornamental. A. S. Murphy. 167,526, Aug. 19.
Clip, Page marking. M. C. Saksa. 168,191, Nov. 11.
Clock. F. C. Davidhazy. 166,244, Mar. 25.
Clock. J. Gottlieb. 168,345, Dec. 9.
Clock. A. E. Koplar. 168,052, Oct. 28.
Clock. J. F. Punzak. 167,101, June 24.
Clock. C. H. H. Rodanet. 168,521, Dec. 30.
Clock. M. E. Schlenker. 167,486, Aug. 12.
Clock. F. C. Witmer. 167,787, Sept. 16.
Clock base or similar article. H. Dreyfuss. 166,249, Mar. 25.
Clockcase. L. I. Bruce. 166,026, Feb. 26.
Clockcase. L. I. Bruce. 166,069, Mar. 4.
Clockcase. L. I. Bruce. 166,297, Apr. 1.
Clockcase. L. I. Bruce. 166,500, Apr. 29.
Clockcase. S. J. Kaufman. 165,587–8, Jan. 1.
Clockcase. J. A. C. Keane. 166,756, May 13.
Clockcase. R. L. Thompson. 167,010, June 10.
Clock case, Mantel. J. W. Smith. 167,379, July 29.
Clockcase or similar article. H. Dreyfuss. 166,247–8, Mar. 25.
Clockcase or similar article. S. J. Kaufman. 167,042, June 17.
Clockcase or similar article. J. F. Punzak. 166,098, Mar. 4.
Clock casing or similar article. J. W. Smith. 165,613, Jan. 1.
Clock frame or similar article. R. C. Glorieux. 166,388, Apr. 8.
Clock, lamp, and vase, Combined. F. R. Perry. 168,066, Oct. 28.
Clock or similar article. R. H. Jahncke. 166,314, Apr. 1.
Clock-radio housing. C. W. Sundberg and M. Ferar. 165,704, Jan. 15.
Clock, Skillet. R. E. Sievert. 166,133, Mar. 11.
Clock, Travel desk. S. J. Kaufman. 168,157, Nov. 11.
Clock, World. W. H. Clarke. 166,952, June 10.
Closure cap for bottles or similar articles. B. W. Nielsen. 168,471, Dec. 23.
Clothesbrush or the like. C. A. Porter. 167,951, Oct. 14.
Clothesline and reel unit, Portable. C. J. Cohen. 167,617, Sept. 2.
Clothesline peg. G. M. Gibbs. 166,155, Mar. 11.
Clothespin. F. S. Clark. 165,679, Jan. 15.
Clothespin. J. M. Harlan. 167,979, Oct. 21.
Clothespin. H. L. Ratchford. 167,163, July 1.
Clothespin. A. R. Teare. 167,727, Sept. 9.
Clothes rack and container, Combined. M. Tuteur. 168,485, Dec. 23.

Clothes-washing machine. H. Dreyfuss. 168,292, Dec. 2.
Clothes wringer. H. Dreyfuss. 168,216, Nov. 18.
Clutch pencil or similar article. B. W. Hanle. 166,161, Mar. 11.
Coaster. T. E. Betner. 165,818, Feb. 5.
Coaster, ash tray, and cigarette snuffer or similar article, Combined. H. O. Caddel. 167,334, July 29.
Coaster, Bottle. F. D. K. Haars. 167,207, July 8.
Coaster pad. M. E. Nye. 166,866, May 27.
Coaster, Plastic. T. J. Gressitt. 165,836, Feb. 5.
Coat. J. Feldman. 167,508, Aug. 19.
Coat, House. A. Macksoud. 165,992, Feb. 19.
Coat, Lady's. D. Bellsey. 166,141, Mar. 11.
Cocktail and dining room table or similar article, Combination. H. P. Hodgman. 168,508, Dec. 30.
Coffee maker. S. J. Budlane and R. Dusek. 167,794, Sept. 23.
Coffee-making machine. A. Games. 167,454, Aug. 12.
Coffee pot. G. W. Florian. 167,976, Oct. 21.
Coffee server. W. J. Russell. 166,774, May 13.
Coffee table, Glass top. S. Lee. 168,306, Dec. 2.
Collapsible container tube dispenser and hanger. H. J. Sushan. 167,597, Aug. 26.
Collar or the like. M. J. Iwaniec. 166,915, June 3.
Comb, Folding pocket. W. N. Barkwill. 167,246, July 15.
Comb or similar article. L. Kahn. 166,968, June 10.
Comb or similar article. L. R. Kahn. 167,987–8, Oct. 21.
Comb or the like. J. Bloch. 167,610, Sept. 2.
Comb, Toilet. E. L. H. Cosby. 168,395, Dec. 16.
Combined flower stand and flower pot. L. Salvador. 166,276, Mar. 25.
Combined framework and protective guard for a packaging machine. K. D. Knapp. 166,166, Mar. 11.
Combined liquifier jar and beater element. J. Morgan. 166,268, Mar. 25.
Commode, Extension. H. B. Gaines. 165,746, Jan. 29.
Commode, Extension. H. B. Gaines. 167,884, Oct. 7.
Communion set case, Portable. C. H. Rohling. 168,070, Oct. 28.
Compact. N. Kasdan. 167,900, Oct. 7.
Compact or similar article. P. E. Fiato. 167,935, Oct. 14.
Composite lens for runway lights. W. A. Pennow. 168,236–7, Nov. 18.
Condenser for microscopes, Substage. L. B. Hall. 165,648, Jan. 8.
Confection, Frozen. L. H. Baier. 166,293, Apr. 1.
Confection stick. F. A. Biehl. 165,898, Feb. 12.
Container and candy cane display, Combined. R. E. McCormack, Sr. 167,840, Sept. 30.
Container and children's apparel display, Combined. N. S. Siegel. 168,426, Dec. 16.
Container, Battery kit. V. Nelson. 168,367, Dec. 9.
Container capper. J. W. Anderson and L. H. Kinsley, Jr. 167,493, Aug. 19.
Container, Cosmetic. R. A. Colotti. 166,659, May 6.
Container, Cosmetic. R. B. Hopgood. 167,690, Sept. 9.
Container, Display. B. B. Fort. 168,294, Dec. 2.
Container, Display. R. A. Schmidt. 167,544, Aug. 19.
Container for comestibles. R. D. Whitney. 166,894–5, May 27.
Container for cosmetics and the like. G. O. Rioux. 167,374–5, July 29.
Container for fluffed cream, Dispensing. A. S. Lapin. 167,213, July 8.
Container for fluid, Dispensing. P. E. Roehrich. 166,497, Apr. 15.
Container for liquids, Dispensing. M. E. Olson. 166,820, May 20.
Container for nail polish or the like. W. B. Crane. 165,964, Feb. 19.
Container for soluble crystals, Transparent. H. J. Atkinson. 168,249, Nov. 25.
Container for tire valve cores, Molded plastic. S. T. Williams. 168,387, Dec. 9.
Container, Lady's undergarment. I. Kornblau. 165,766, Jan. 29.
Container, Lady's undergarment. I. Kornblau. 167,152, July 1.
Container or similar article, Edible. M. B. Blish. 166,524, Apr. 22.
Container or similar article, Food washing and storing. H. O. Sandberg. 165,610, Jan. 1.
Container or the like, Moth repellent. A. L. Sneks. 166,927, June 3.
Container, Pickle assortment. T. W. Kyte. 167,087, June 24.
Container, Self-service display. D. A. Cameron. 168,288, Dec. 2.
Control knob. D. W. Coran. 167,618–19, Sept. 2.
Control knob. R. G. Munroe. 166,546, Apr. 22.
Control knob, Rotatable. H. E. Anthony. 166,292, Apr. 1.
Conveyer, Endless flexible element. C. N. Bebinger. 167,131, July 1.
Cooking and accessory unit for educational demonstration, Portable. J. Smey. 166,577, Apr. 22.
Cooking utensil cover or similar article. J. F. Waters. 167,600, Aug. 26.
Cooky jar and bank, Combination. L. H. Dworkin. 167,931, Oct. 14.
Cooler, Air. D. D. Wile. 165,891, Feb. 5.
Cooler and stand, Combined milk. C. E. Rathke. 165,866, Feb. 5.
Cooler, Evaporative. A. D. Goettl. 166,182, Mar. 18.
Corn buttering implement. J. Mesl. 166,865, May 27.
Corn popper, Electric. E. E. Sivacek. 165,881, Feb. 5.
Cornice. E. E. Schaefer. 167,176, July 1.
Cosmetic container unit. P. L. Schluttig. 166,420, Apr. 8.
Couch frame, Two seater. L. Grundy. 165,915, Feb. 12.
Counter. S. S. Rubaloff. 167,773, Sept. 16.
Cover and dispensing faucet, Combination. T. Carvel. 167,443, Aug. 12.
Cover, Cake. A. B. Stotter. 167,380, July 29.
Cover, Cooking utensil. J. C. Hampshire. 165,916, Feb. 12.
Cover for a filter. H. G. Kamrath. 167,082, June 24.
Cover for a vehicle wheel. C. A. McLeod. 166,863, May 27.
Cover for record players, Transparent. L. F. Kurschner. 166,263, Mar. 25.
Cover for sugar bowl. R. G. Cowan. 165,826, Feb. 5.
Cover, Fry pan. H. G. Fornoff. 166,959, June 10.
Cover, Seat. G. J. Kramer. 166,918, June 3.
Covering for a pail, Plastic. H. M. Wilkoff. 166,434, Apr. 8.
Cradle, Doll. D. Ippolito. 165,921, Feb. 12.
Cradle for wine bottles. E. F. Cook. 166,145, Mar. 11.
Cravat or similar article. J. Melville. 166,404, Apr. 8.
Crayon or similar article, Drawing. K. V. Bishop. 167,132, July 1.
Crib, Infant's. A. G. Feldman. 165,641–4, Jan. 8.
Crucifix. W. T. Jones. 168,511, Dec. 30.
Cuff link or similar article. F. D. Napolitani. 167,845, Sept. 30.
Cup. R. G. Cowan. 165,680, Jan. 15.
Cup. R. G. Cowan. 167,741, Sept. 16.
Cup. U. H. Despres. 165,711, Jan. 22.
Cup. D. E. Folley. 167,936, Oct. 14.
Cup. C. N. Gardner. 165,834, Feb. 5.
Cup. E. C. Hense. 166,311, Apr. 1.
Cup. G. M. Parker, Jr. 165,782, Jan. 29.
Cup. G. Sakier. 165,876, Feb. 5.
Cup. F. Wagner. 167,917, Oct. 7.
Cup. R. Wright. 166,014, Feb. 19.
Cup or similar article. W. G. Falk. 168,218, Nov. 18.
Cup or similar article. C. L. Nelson. 165,858, Feb. 5.
Cup or similar article, Drinking. J. Perry. 167,420, Aug. 5.
Cup or similar article, Egg. C. R. White. 166,289, Mar. 25.
Curtain, Window. F. H. Vance. 166,108, Mar. 4.
Cutter, Electric meat, fish, and bone. A. C. Schueren. 165,899, Jan. 15.
Cutter, Weed. J. D. Casey. 166,591, Apr. 29.
Cycle saddle. J. V. Lundy. 168,055, Oct. 28.
Dairy bar. C. S. Shank. 167,378, July 29.
Dairy products carrier. C. H. Berglund. 167,670, Sept. 9.
Davenport. J. Goulart. 166,463, Apr. 15.
Decimal chart or similar article. J. H. Slingerland. 166,504, Apr. 15.
Deck of playing cards. A. V. Bigley. 167,923, Oct. 14.
Deck of playing cards. R. C. Carpenter. 168,394, Dec. 16.
Deck of playing cards. E. L. Vervuurt. 167,961, Oct. 14.
Dehumidifier. J. F. Halbeisen. 165,750, Jan. 29.
Demijohn, Nongurgling. C. E. de Sá Cardoso. 166,380, Apr. 8.
Dental and medical equipment stand, Combination. F. E. Bronk and W. D. Teague. 167,252, July 15.
Dental hand-piece. R. B. Black. 165,958, Feb. 19.
Dental handpiece. R. W. Brown. 168,286, Dec. 2.
Desk. A. P. Brashear, Jr. 167,611, Sept. 2.
Desk. A. O. Garrett. 166,803, May 20.
Desk. A. O. Garrett. 168,027–8, Oct. 28.
Desk and seat frame, School. W. J. Bargen. 165,733, Jan. 29.
Desk, Metal. O. Becker. 167,248, July 15.
Desk or similar article. C. G. Bjorncrantz. 166,901, June 3.
Desk or similar article. L. E. Blazey. 167,188–9, July 8.
Desk pedestal or similar article. L. E. Blazey and P. Vignos. 167,190, July 8.
Desk tally. C. W. Braatz. 168,017, Oct. 28.
Desk unit, Combination. M. Glaberson. 166,075–6, Mar. 4.
Desk unit, Double. D. B. Harmon. 167,145, July 1.
Desk, Wall. W. F. Wadsworth. 166,109, Mar. 4.
Device for transporting bedridden patients. G. B. Nelson. 165,598, Jan. 1.
Dial. H. L. Reed. 166,874, May 27.
Dial or similar article, Watch and clock. G. Gault. 166,533, Apr. 22.
Diamond tool for dressing grinding wheels. J. Loecy, Jr. 166,544, Apr. 22.
Diaper suit or similar article, Child's. R. B. Allen. 165,815, Feb. 5.
Dictating machine, Magnetic recording. P. Stroobants. 167,726, Sept. 9.
Dinner plate or similar article. P. S. Vreeland. 167,962, Oct. 14.
Dish. J. Hedu. 168,031, Oct. 28.
Dish. C. J. Lind. 168,163, Nov. 11.
Dish and cover, Combined butter. S. H. Slobodkin. 166,421, Apr. 8.
Dish and lid, Combined vegetable. F. Wagner. 167,292, July 15.
Dish, Baby feeding. J. J. Detzel. 165,637, Jan. 8.
Dish, Baking. C. L. Maish. 167,317, July 22.

Dish, Butter. B. Forman. 166,251, Mar. 25.
Dish, Butter. H. L. Forman. 165,574, Jan. 1.
Dish, Compartmented display. T. W. Kyte. 168,161, Nov. 11.
Dish cover or similar article. R. L. Gruen. 168,261, Nov. 25.
Dish cover or similar article, Butter. S. Forman and L. Ramer. 165,575, Jan. 1.
Dish cover or the like. E. Zeisel. 168,389, Dec. 9.
Dish, Glass. P. G. Sailer. 166,001, Feb. 19.
Dish, Glass. P. Schneeloch. 165,723, Jan. 22.
Dish or similar article. H. S. Andrews. 167,294, July 22.
Dish or similar article. A. H. Seflin. 166,277, Mar. 25.
Dish, Suction cup soap. P. F. Simpson. 167,234, July 8.
Disk plow. H. G. Klemm. 165,764, Jan. 29.
Disk plow. H. G. Klemm and N. A. Nelson. 165,765, Jan. 29.
Dispenser and storage for edibles, Combination self-service. C. R. Rockriver. 168,421, Dec. 16.
Dispenser, Automatic perfume. L. Hoffman. 165,650, Jan. 8.
Dispenser, Beverage. W. P. Margulies, L. F. Covey, and K. H. Tiffany. 166,091, Mar. 4.
Dispenser, Butter. G. Kilburg, L. F. Covey, and J. G. Lippincott. 166,757, May 13.
Dispenser, Cigarette. R. Hunt. 165,685, Jan. 15.
Dispenser, Condiment. W. H. Youngerman. 165,813, Jan. 29.
Dispenser for slender articles. G. H. Severin. 166,357, Apr. 1.
Dispenser, Fruit juice. V. P. Steele. 167,121, June 24.
Dispenser, Juice. O. W. Collins. 165,824, Feb. 5.
Dispenser, Liquid. F. Bartolucci, Jr. 165,568, Jan. 1.
Dispenser, Liquid. R. C. Old. 166,989, June 10.
Dispenser or similar article, Tape. A. P. Krueger. 166,474, Apr. 15.
Dispenser or the like, Adhesive tape. T. H. Krueger. 167,153, July 1.
Dispenser or the like, Adhesive tape. T. H. Krueger. 167,989, Oct. 21.
Dispenser or the like, Toothpick. W. J. Meyer and H. A. Flor. 166,769, May 13.
Dispenser, Package. E. S. Black. 168,206, Nov. 18.
Dispenser, Paper towel and wax paper. L. H. Barnett and H. Brin. 167,247, July 15.
Dispenser, Refrigerated beverage. H. Dreyfuss. 167,744, Sept. 16.
Dispenser, Toilet tissue. H. Weskrna. 166,782, May 13.
Dispenser, Wax paper. P. De Grace. 166,804, May 20.
Dispensing stand or similar article, Beverage. J. H. Parcher. 167,222, July 8.
Dispensing unit, Bottled liquid. G. H. Cannella. 168,332, Dec. 9.
Display box, Ring. S. Tylon. 168,081, Oct. 28.
Display case, Counter. P. Schladermundt and W. H. Dennerlein. 167,862, Sept. 30.
Display case for an electrical appliance. I. Jepson. 167,148, July 1.
Display device. R. L. Sunderlin. 167,180, July 1.
Display figure. E. H. Sheppard. 165,668, Jan. 8.
Display fixture and container, Combined. E. J. McKenna. 167,948, Oct. 14.
Display fixture for handkerchiefs. N. Gerstle. 167,310, July 22.
Display holder for lettering pens or similar articles. G. H. Benedict. 168,391, Dec. 16.
Display rack or similar article, Hosiery. G. J. Colombo. 167,824, Sept. 30.
Display shelf. S. Levy. 166,265, Mar. 25.
Display stand. C. E. Klingner. 168,051, Oct. 28.
Display stand. B. M. Levinger. 168,464, Dec. 23.
Display stand, Belt. W. E. Stolz. 166,425, Apr. 8.
Display stand, Card. T. A. Hartman. 167,627, Sept. 2.
Display stand for sunglasses or the like. J. C. Foater. 166,180, Mar. 18.
Display stand or similar article. W. Drell. 167,563, Aug. 26.
Display, stand or similar article, Merchandise. F. Westernacher. 165,675, Jan. 8.
Display stand, Tool. E. F. Howard. 168,095, Nov. 4.
Display support or similar article, Necktie. M. Aron. 166,060, Mar. 4.
Display unit, Seat cushion. W. O. Heinze. 166,080, Mar. 4.
Display unit, Wine. J. Siegel. 166,361, Apr. 1.
Displaying and dispensing stand, Combined. J. R. Warp. 167,781, Sept. 16.
Doll. L. D. Ballew. 167,877, Oct. 7.
Doll. R. J. Heyman. 168,093, Nov. 4.
Doll. J. C. Hula. 168,096, Nov. 4.
Doll. M. A. Kirk. 167,837, Sept. 30.
Doll. M. N. La Vielle and H. B. Heller. 165,590, Jan. 1.
Doll. I. M. Matthews. 167,217, July 8.
Doll. I. I. Meeker. 166,816, May 20.
Doll. K. L. Powell. 166,634, Apr. 29.
Doll buggy. D. Ippolito. 167,212, July 8.
Doll, Clown. H. L. Lipman. 167,412, Aug. 5.
Dollhouse, Portable. M. Griffith. 167,745, Sept. 16.
Doll or similar article. J. Swedlin. 165,725, Jan. 22.
Doll or the like. M. Ryan. 167,175, July 1.
Doll, Pillow. P. H. Van Laar. 167,433, Aug. 5.
Doll, Puppet. L. C. Secter. 166,051, Feb. 26.
Doll, Shell. S. Goldfarb. 166,601, Apr. 29.
Door closer. E. L. Schlage. 167,177, July 1.
Door closer. E. L. Schlage. 167,283–4, July 15.
Door guard, Automobile gasoline. M. B. Kramer. 165,655, Jan. 8.
Door hood, Metal. R. A. Childers and C. C. Miller. 166,737, May 13.
Door mat. M. O. Bohanan. 167,065, June 24.
Door pull and latch for sliding doors, Combined. R. D. Mason. 166,862, May 27.
Double swivel fitting. D. C. Warren. 166,651, Apr. 29.
Drafting board, reference table and cabinet, Combined. C. Buehler. 165,707, Jan. 22.
Drafting template. R. Jordan. 165,849, Feb. 5.
Drainer for dishes, glassware, and silverware. H. J. Watral. 166,510, Apr. 15.
Drapery mounting ring. B. Yellin. 167,128, June 24.
Drapery traverse rod. H. S. Rosenbaum. 165,937, Feb. 12.
Drawer pull. J. R. Jones. 166,806, May 20.
Drawer pull. D. Koch. 167,151, July 1.
Drawing guide. J. M. Gallant and R. A. Fees. 167,453, Aug. 12.
Dress. M. Alwell. 165,816, Feb. 5.
Dress. T. Leser. 166,087, Mar. 4.
Dress. I. Roth. 165,871, Feb. 5.
Dress. M. Shipmon. 168,321, Dec. 2.
Dress. M. I. Sterngold. 168,322, Dec. 2.
Dress, Knitted. E. Guttman. 166,187–90, Mar. 18.
Dress, Knitted. E. Guttman. 166,256, Mar. 25.
Dress or similar article. A. Goldfarb. 167,569, Aug. 26.
Dresser. W. J. Carr. 167,392, Aug. 5.
Dresser, Utility. C. C. Gaither. 165,833, Feb. 5.
Drill unit, Portable. E. J. Majewski. 168,099–100, Nov. 4.
Dual exhaust manifold. F. V. Richard. 167,165, July 1.
Duck decoy. G. L. Herter. 165,754, Jan. 29.
Dump trailer. H. H. Turner. 165,804, Jan. 29.
Duplicator moistener and roller, Combined. R. J. Herst. 167,210, July 8.
Dustpan. N. W. Roop. 166,226, Mar. 18.
Earmuff. J. Lattuca. 166,399, Apr. 8.
Ear protector against heat and air from hair driers. J. Hussey. 166,313, Apr. 1.
Earring or the like. A. Katz. 166,687–9, May 6.
Earring or the like. A. Katz. 166,977, June 10.
Earring or the like. A. Katz. 166,979, June 10.
Earring or the like. A. Katz. 167,036, June 17.
Earring or the like. A. Katz. 168,268, Nov. 25.
Earring or the like. A. Katz. 168,348–9, Dec. 9.
Earring or the like. A. Katz. 168,352, Dec. 9.
Earring or the like. A. Katz. 168,355, Dec. 9.
Earring or the like. A. Katz. 168,358, Dec. 9.
Earring or the like. A. Philippe. 166,212–13, Mar. 18.
Earring or the like. A. Philippe. 166,223–4, Mar. 18.
Earring or the like. A. Philippe. 166,630, Apr. 29.
Earring or the like. A. Philippe. 167,050, June 17.
Earring or the like. A. Philippe. 167,364–6, July 29.
Earring or the like. A. Philippe. 167,647–8, Sept. 2.
Egg cup or similar article. J. Hedu. 168,092, Nov. 4.
Elbow fitting for a swing joint. D. C. Warren. 166,653, Apr. 29.
Elbow type fitting. D. C. Warren. 166,650, Apr. 29.
Electric conduit supporting spacer. W. M. Bloom and A. J. Simmons. 165,901, Feb. 12.
Electric drill unit, Portable. J. Gottlieb and C. Woessner. 167,034, June 17.
Electric drill unit, Portable. J. A. McCabe. 167,415, Aug. 5.
Electric kitchen mixer grinder attachment. R. F. Lindgren. 168,231, Nov. 18.
Electrical cap. L. Ludwig. 165,991, Feb. 19.
Electrically illuminable diagnostic speculum. H. Martin. 168,363, Dec. 9.
Embroidered eyelet trimming, Narrow. W. Hallbauer. 166,963–4, June 10.
Embroidered fabric. R. Dannecker. 166,175–6, Mar. 18.
Embroidered trimming. H. Kaufman. 168,269, Nov. 25.
Embroidered trimming. H. Krieger. 167,313, July 22.
Embroidered trimming or similar article. H. Tobler. 165,947, Feb. 12.
Embroidered trimming or similar article. H. Tobler. 166,508, Apr. 15.
Embroidered trimming or the like. J. M. Sniderman. 167,324–5, July 22.
End link for a wrist watch bracelet. E. Prestinari. 166,773, May 13.
End stand or similar article. H. A. Johnson. 167,573, Aug. 26.
Envelope, Hosiery. R. Stoller. 167,489, Aug. 12.
Envelope moistener. J. C. Vollmert. 166,056, Feb. 26.
Epergne or similar article. A. J. Dreitzer. 165,638, Jan. 8.
Eraser. F. A. Fusco. 166,252, Mar. 25.
Erasure shield. A. P. Osius. 167,481, Aug. 12.
Euchre scorekeeper and ash tray or similar article, Combined. L. J. McKenzie. 165,925, Feb. 12.
Exhaust deflector. L. E. Russell. 165,874, Feb. 5.
Exhaust extension for automobiles. W. B. Sandler. 167,485, Aug. 12.
Exhaust pipe extension or similar article for an automobile. C. G. Koonter. 165,985–6, Feb. 19.

Eye protector. F. G. Gay, Jr., and D. J. McCulloch. 166,181, Mar. 18.
Eyeshade or similar article. R. A. Bruce. 167,193, July 8.
Fabric. H. Rose. 165,791, Jan. 29.
Fabric, Chenille textile. L. Silberberg. 166,134, Mar. 11.
Fabric, Embossed textile. H. Wagner. 166,648–9, Apr. 29.
Fabric, Embroidered. H. Kaufman. 167,751–2, Sept. 16.
Fabric, Embroidered. H. Krieger. 166,200–5, Mar. 18.
Fabric, Embroidered eyelet. W. Hallbauer. 166,391, Apr. 8.
Fabric, Embroidered textile. D. M. Goodstein. 168,297, Dec. 2.
Fabric, Lace. J. A. Goldberg. 168,220, Nov. 18.
Fabric or similar article of manufacture, Textile. L. Appleton. 166,941, June 10.
Fabric or similar article, Textile. A. S. Helman. 167,347–8, July 29.
Fabric or similar article, Textile. T. H. Koeber. 166,917, June 3.
Fabric or similar article, Textile. H. Odzer. 167,528–31, Aug. 19.
Fabric or similar article, Textile. H. Odzer. 167,846, Sept. 30.
Fabric or similar article, Textile. G. Scalamandré. 166,717, May 6.
Fabric or the like. S. Bochner. 165,629–30, Jan. 8.
Fabric or the like. S. Bochner. 166,171, Mar. 18.
Fabric or the like, Narrow textile. S. L. Oppenheimer. 618,274, Nov. 25.
Fabric, Pile. J. G. Todd. 166,642, Apr. 29.
Fabric, Shaped textile. H. M. Goldman. 168,343, Dec. 9.
Fabric, Textile. P. P. Chiarelli. 168,253, Nov. 25.
Fabric, Textile. W. R. Cuddy. 167,677, Sept. 9.
Fabric, Textile. B. Leerer. 165,769, Jan. 29.
Fabric, Textile. B. Leerer. 166,113, Mar. 11.
Fabric, Textile. H. Odzer. 166,770, May 13.
Fabric, Textile. H. A. Portong. 166,635, Apr. 29.
Fabric, Textile. H. A. Portong. 168,189, Nov. 11.
Fabric, Textile. H. Rose. 166,878–9, May 27.
Fabric, Textile. H. Rose. 166,926, June 3.
Fabric, Textile. H. Rose. 167,102–16, June 24.
Fabric, Textile. H. Rose. 167,167–73, July 1.
Fabric, Textile. H. Rose. 167,277–80, July 15.
Fabric, Textile. H. Rose. 167,376, July 29.
Fabric, Textile. H. Rose. 167,772, Sept. 16.
Fabric, Textile. H. Rose. 167,854–6, Sept. 30.
Fabric, Textile. H. Rose. 168,422, Dec. 16.
Fabric, Textile. D. Scher. 167,812, Sept. 23.
Fabric, Textile. S. Weinberg. 166,285, Mar. 25.
Fabric, Textile. S. Weinberg. 167,549, Aug. 19.
Fabric, Textile. S. Weinberg. 168,200, Nov. 11.
Fabric, Textile. E. White, IV. 168,281–2, Nov. 25.
Fabric, Woven plastic. V. Petracek. 166,125, Mar. 11.
Fabric, Woven plastic. V. Petracek. 166,210, Mar. 18.
Fabric, Woven plastic. V. Petracek. 166,765, May 13.
Fabric, Woven plastic. V. Petracek. 168,183, Nov. 11.
Fabric, Woven textile. S. Bogdanovich. 167,389–90, Aug. 5.
Fan. W. E. Moore. 167,093, June 24.
Fan, Electric. A. W. Corwin. 167,740, Sept. 16.
Fan, Electric. B. Franklin. 165,832, Feb. 5.
Fan or similar device, Circulator. D. F. McCarron. 165,854, Feb. 5.
Fan, Twin window. B. H. Johnson and W. W. Welch, Jr. 165,583, Jan. 1.
Fastener, Belt. W. West. 165,621, Jan. 1.
Faucet. K. Krafft. 165,987, Feb. 19.
Faucet, Beverage dispensing. F. and R. Welty. 168,386, Dec. 9.
Feeder and oiler, Combination. D. C. Cusenbary. 168,337, Dec. 9.
Feeder, Bird. A. W. Blazier. 165,628, Jan. 8.
Fence and gate, Combined. J. A. Falatico. 166,382, Apr. 8.
Fender ornament, Automobile. P. E. Allen. 168,326, Dec. 9.
Fertilizer spreader hood. S. D. Ulrich. 166,137, Mar. 11.
Field desk and trunk, Combination. A. C. Weiss. 167,782, Sept. 16.
Figurine. E. Bregent. 165,631, Jan. 8.
Figurine. J. Chase. 167,068, June 24.
Figurine. A. Giovacchini. 166,156–8, Mar. 11.
Figurine. A. Giovacchini. 166,387, Apr. 8.
Figurine. A. Giovacchini. 166,746, May 13.
Figurine. J. W. Lindner. 167,045–6, June 17.
Figurine. H. M. Schümann. 168,193, Nov. 11.
Figurine or the like. S. Blum. 167,442, Aug. 12.
File cabinet and desk or similar article, Combination. W. I. Lampel. 166,861, May 27.
File cabinet or similar article. W. I. Lampel. 166,860, May 27.
Film viewer. G. B. Schwartz. 168,319, Dec. 2.
Fire alarm signal box. R. S. Edwards and L. L. Verkuil. 168,149–50, Nov. 11.
Fire extinguisher. C. K. Huthsing. 167,630, Sept. 2.
Fire fighting unit, Transportable. W. W. and W. H. Schmitt. 166,105, Mar. 4.
Fireplace, Freestanding. G. M. Richards. 167,059, June 17.
Fish bowl. J. J. Edwards. 166,458, Apr. 15.
Fishhook shield. R. A. Miller. 167,803, Sept. 23.
Fishline storage reel. F. Diebold. 167,562, Aug. 26.
Fish lure. P. Bennett. 168,284, Dec. 2.
Fish lure. E. W. Cooper. 168,087, Nov. 4.
Fish lure. C. R. Handkamer. 166,855, May 27.
Fish lure. J. R. Lacy. 167,154, July 1.
Fishing bait, Artificial. J. Kantzky. 167,636, Sept. 2.
Fishing line sinker. R. E. Lawrence. 166,984, June 10.
Fishing lure. G. P. Heiner. 168,507, Dec. 30.
Fishing rod carrier for automobiles. F. R. Burnett, I. E. Schmidke, and G. Pelletier. 167,967, Oct. 21.
Flag. R. S. Ryan. 167,859, Sept. 30.
Flag, Christian. C. L. Jensen. 165,759, Jan. 29.
Flashgun. R. L. Pennock, Jr., and R. J. Breer. 165,784, Jan. 29.
Flashgun and camera mount, Combined. R. L. Pennock, Jr., and R. J. Breer. 165,783, Jan. 29.
Flash holder for photographic cameras. A. H. Crapsey, Jr. 167,027, June 17.
Flashlight. M. S. Dunkelberger. 166,073, Mar. 4.
Flashlight casing. E. Cameron, Jr. 167,925, Oct. 14.
Flatiron stand. E. F. Peterson. 167,480, Aug. 12.
Flight trainer hood. F. W. Davis. 165,966, Feb. 19.
Float boat for children. S. Sonin. 168,483, Dec. 23.
Floor covering. P. C. Waite. 166,007, Feb. 19.
Floor covering. P. C. Waite. 166,138, Mar. 11.
Floor covering. P. C. Waite. 167,872, Sept. 30.
Floor polishing machine. E. L. Verhagen. 165,617–19, Jan. 1.
Flow gauge. F. K. Daniel. 165,965, Feb. 19.
Flower basket and stand therefor, Combined. E. M. Gipson. 167,830, Sept. 30.
Flower planter. P. G. Hallas. 168,503, Dec. 30.
Flowerpot cover or the like, Plastic. S. W. Brunner. 167,793, Sept. 23.
Flower pot or similar article. N. W. Roop. 166,925, June 3.
Flower pot stand or similar article. V. H. Bisharat. 167,555, Aug. 26.
Flush door. A. Mastrangelo. 168,232–5, Nov. 18.
Fly swatter. C. A. Laughlin. 166,920, June 3.
Fly swatter or similar article. N. W. Roop. 167,658, Sept. 2.
Font of numerals. H. E. Vermot. 167,547, Aug. 19.
Font of type. W. B. Conant. 166,529, Apr. 22.
Food and beverage vending station, Combined. L. A. Zon. 167,601, Aug. 26.
Food mixer power unit. D. L. McFarland and B. R. Voight. 165,924, Feb. 12.
Food product, Molded. L. Peters. 165,929–33, Feb. 12.
Food product, Molded. L. Peters. 166,552–64, Apr. 22.
Food product, Molded. L. Peters. 166,992, June 10.
Food product, Molded. L. Peters. 167,475–9, Aug. 12.
Food product, Molded. L. Peters. 167,534–8, Aug. 19.
Food product, Molded. L. Peters. 167,582–3, Aug. 26.
Food product, Molded. L. Peters. 167,847–8, Sept. 30.
Food tray with extendable wings. R. B. Karoff. 167,035, June 17.
Football blocking protector. L. B. Holt. 168,302, Dec. 2.
Footcap or the like, Lady's. R. P. Kantor. 166,540, Apr. 22.
Footcap or the like, Lady's. R. P. Kantor. 166,672, May 6.
Fork. J. C. Moore. 168,061, Oct. 28.
Fork, Barbeque. M. C. Bert, Jr. 166,441, Apr. 15.
Fork, Carving aid. J. Schoenfeld. 168,127, Nov. 4.
Fork or similar article. J. O. Van Koert. 167,490, Aug. 12.
Fork or similar article, Child's. N. Brooks. 167,300, July 22.
Fountain display device. E. B. Castle. 168,142, Nov. 11.
Fountain feeder and waterer, Combination. C. G. Muehlfeld. 167,709, Sept. 9.
Frame of a vulcanizing machine. S. J. Herbert. 167,628, Sept. 2.
Frame, Photograph. S. Nemes. 165,859, Feb. 5.
Freezer, Electric ice-cream. L. N. Yohe. 168,433, Dec. 16.
Freezer, Ice-cream. D. C. Pulliam. 168,316, Dec. 2.
Front for spectacle frames. C. McCardell. 167,704, Sept. 9.
Front for sunglasses or the like. J. Bloch. 167,495, Aug. 19.
Front for underwater goggles. R. A. Potts. 165,865, Feb. 5.
Fryer, Deep-fat. A. D. Altemiller. 166,518, Apr. 22.
Fryer, Deep fat. J. Morgan. 165,596, Jan. 1.
Funnel set, Condiment. E. B. Gaylord. 168,341, Dec. 9.
Furnace for firing porcelain. N. Gold. 167,568, Aug. 26.
Furniture scarf or similar article. L. Fish. 166,383, Apr. 8.
Galvanometer. S. S. Leotta. 165,989, Feb. 19.
Gambrel. P. C. Mecum. 166,864, May 27.
Game apparatus, Amusement. J. C. Kocl. 168,229, Nov. 18.
Game apparatus, Amusement. D. W. Price. 166,275, Mar. 25.
Game apparatus, Amusement. H. E. Williams. 167,550, Aug. 19.
Game apparatus for the spelling of words. W. S. Brodes. 166,949, June 10.
Game board. T. Bamford. 168,085, Nov. 4.
Game board. R. U. Bronson. 167,066, June 24.
Game board. E. W. Burton. 168,211, Nov. 18.

Game board. N. F. Butterworth. 166,798, May 20.
Game board. W. W. Costenbader. 167,971, Oct. 21.
Game board. E. L. Dreyer. 168,499, Dec. 30.
Game board. S. F. Glassmeyer. 168,444, Dec. 23.
Game board. B. L. Hayes. 166,913, June 3.
Game board. H. K. Malley. 167,992, Oct. 21.
Game board. V. S. Packard. 167,949, Oct. 14.
Game board. R. M. Shoff. 167,869, Sept. 30.
Game board. D. L. Stackhouse. 167,778, Sept. 16.
Game board. J. A. Waer. 167,291, July 15.
Game board, Canasta. N. H. Bell and P. C. Rich. 166,790, May 20.
Game board for use with marbles. K. H. Ruyle. 168,071, Oct. 28.
Game board or the like. J. A. Waer. 167,011, June 10.
Garment, Driver's. J. R. Tricarico. 167,240, July 8.
Garment, Foundation. G. L. Diebold. 167,138, July 1.
Gas burner. H. D. Du Fault. 166,032, Feb. 26.
Gate, Baby. E. T. Freeman. 166,535, Apr. 22.
Gauge, Hem. M. J. Rumpel. 167,543, Aug. 19.
Gear operator. H. Allen. 166,517, Apr. 22.
Girdle. A. Goldstein. 167,510, Aug. 19.
Girdle. A. C. Spero. 167,912, Oct. 7.
Girdle and brassière, Combination. S. C. La Bue and H. P. Coogan. 166,760, May 13.
Glass, Child's drinking. E. R. and C. O. Thompson. 166,832, May 20.
Glass, Cocktail. C. J. Witten. 166,008, Feb. 19.
Glass panel, Grilled. A. H. Schottland. 165,878, Feb. 5.
Glass, Sherbert. W. A. Wood. 167,186, July 1.
Glass, Spillproof. E. F. Olsen. 165,778, Jan. 29.
Glass, Sundae. R. C. Diebenkorn. 166,381, Apr. 8.
Glasses, Night driving. O. W. Githens and W. W. Ward. 167,033, June 17.
Glove. M. Blanc. 166,142, Mar. 11.
Glove. R. Faré. 167,397, Aug. 5.
Glove. L. Rubin. 166,417, Apr. 8.
Glove, Gardener's. O. Merkel. 168,365, Dec. 9.
Goblet. J. T. Dowd. 166,179, Mar. 18.
Goblet, Glass. W. A. Wood. 167,015, June 10.
Goblet or similar article. W. P. Morrison. 166,481, Apr. 15.
Goblet or similar article of stemware. W. P. Morrison. 167,272, July 15.
Goggle. J. E. Hansen. 167,209, July 8.
Goggle front. A. K. Jones. 166,257, Mar. 25.
Goggle front. R. F. E. Stegeman and F. G. Gay, Jr. 166,231, Mar. 18.
Goggle or similar article. T. V. Paulson. 165,863, Feb. 5.
Golf club cart. W. B. Clarke. 166,953, June 10.
Golf club head. A. R. Jamison. 167,941, Oct. 14.
Golf club putter head. T. S. Park. 166,337, Apr. 1.
Golfer's watch and tee holder unit, Combination. O. Grun. 166,160, Mar. 11.
Grader. J. G. Macdonald. 165,594, Jan. 1.
Grater. V. I. Morante. 167,362, July 29.
Grater, Vegetable. W. Marcus. 167,270, July 15.
Grave marker. R. J Lasher. 167,215, July 8.
Gravy boat. C. O. Bliss. 166,022, Feb. 26.
Greeting card, Three-dimensional decorative. S. Robins. 166,876, May 27.
Grille bar, Automobile. F. Reynolds. 167,588, Aug. 26.
Grille bar for an automobile. H. T. King. 167,943, Oct. 14.
Grille, Foundation ventilator. L. W. Hamlin. 165,580, Jan. 1.
Grille guard, Automobile. H. M. Jenkins, Jr. 166,036, Feb. 26.
Grill, waffle iron, and broiler, Combination. J. Morgan. 167,757, Sept. 16.
Grinding machine. E. C. Hanna. 165,714, Jan. 22.
Grip for cooking range door. R. E. Hitchcock. 167,749, Sept. 16.
Guard for a toilet paper fixture. S. L. Gerson. 167,074, June 24.
Gum-vending machine. D. B. Wheeler. 165,809, Jan. 29.
Hairbrush or similar article, Musical. C. Robbins. 165,789, Jan. 29.
Hair clipper, Electric. A. Iannelli. 166,751, May 13.
Hair curler and comb, Combined. A. W. Cournoyer. 167,560, Aug. 26.
Hair curler or similar article. E. Buzasi. 166,443, Apr. 15.
Hair curling device. F. G. Hall. 165,684, Jan. 15.
Hair dye applicator. J. A. Voss. 167,663, Sept. 2.
Halter, Animal. G. Mackie. 166,401, Apr. 8.
Hamper, Clothes. A. H. Baum. 167,965, Oct. 21.
Handbag. E. G. Chappell. 167,197, July 8.
Handbag. H. S. Chase. 165,573, Jan. 1.
Handbag. M. S. Graber. 167,075, June 24.
Handbag. W. H. Hardy. 166,465, Apr. 15.
Handbag. W. H. Hardy. 166,668, May 6.
Handbag. W. H. Hardy. 168,300, Dec 2.
Handbag. S. Hyman. 167,263–4, July 15.
Handbag. D. E. Kadison. 165,585, Jan. 1.
Handbag. L. Kaufman. 167,408, Aug. 5.
Handbag. C. N. Munn. 165,662, Jan. 8.
Handbag. I. Piebel. 167,586, Aug. 26.
Handbag. A. Rothman. 168,376, Dec. 9.
Handbag and umbrella holder or similar article, Combined. J. de Kiszely. 168,146, Nov. 11.
Handbag, Frame. M. Grossman. 167,939, Oct. 14.
Handbag frame. A. Rand. 165,607, Jan. 1.
Handbag, Lady's. L. Biey. 165,736, Jan. 29.
Handbag, Lady's. L. Biey. 165,959, Feb. 19.
Handbag or similar article. I. Pichel. 168,119, Nov. 4.
Handbag or similar article. M. A. Spector. 166,362, Apr. 1.
Handbag or the like, Lady's. L. L. Stucker. 167,959, Oct. 14.
Handbag, Plastic. C. N. Munn. 167,219, July 8.
Hand control for dictating machines. R. A. Sherman, Jr. 167,594, Aug. 26.
Hand glare shield. E. C. Holt. 165,979, Feb. 19.
Handle and lock unit, Combination. E. F. Rutan. 166,499, Apr. 15.
Handle article support, Golf cart. D. R. Morris. 165,661, Jan. 8.
Handle, Door. T. H. Koeber. 166,759, May 13.
Handle, Faucet. S. A. Young. 166,939, June 3.
Handle for a home freezer. J. H. Walter. 167,126, June 24.
Handle for a refrigerator door latch. R. B. Janes. 166,916, June 3.
Handle for a spoon, fork, or similar article. M. Hepner. 166,914, June 3.
Handle for trays. J. A. Potchen. 166,573–4, Apr. 22.
Handle, Lawn mower. C. K. Cole. 166,375, Apr. 8.
Handle, Mower. E. D. Wilkin. 165,810, Jan. 29.
Handle, Stove. D. E. Stewart. 165,702–3, Jan. 15.
Hanger and cabinet, Combination clothes. B. A. Kandarian. 167,836, Sept. 30.
Hanger, Drapery. M. Daugull. 166,378, Apr. 8.
Hanger, Drapery traverse. J. V. and J. N. Graber. 167,831, Sept. 30.
Hanger for automobiles or the like, Clothes. H. Bookman and E. E. Dalton. 166,792, May 20.
Hanger for stockings or the like. L. Propper. 168,474, Dec. 23.
Hanger, Garment. A. Kerby. 166,610, Apr. 29.
Hanger, Garment. G. P. Saviolidis. 168,378, Dec. 9.
Hanger or similar article. R. T. Leach. 167,155, July 1.
Hanger or the like, Garment. A. E. Buchanan. 167,302, July 22.
Hanger, Tie. G. J. Homola. 168,264, Nov. 25.
Hanger, Tie. A. S. Jonaitis. 167,986, Oct. 21.
Hannkkah Menorah. N. Shain. 166,358, Apr. 1.
Harvester, Semimounted corn. E. J. Stumpenhorst. 165,945, Feb. 12.
Hassock, Child's. M. W. Peters. 165,864, Feb. 5.
Hassock, Saddle. I. Sheinfeld and H. Garber. 167,178, July 1.
Hat. M. A. Dannenberg. 167,303, July 22.
Hat. V. D. Johnson. 165,715, Jan. 22.
Hat. D. Langinger. 167,267, July 15.
Hat. P. M. Maxwell and K. M. Wlach. 167,414, Aug. 5.
Hat. H. Rae. 168,475–6, Dec. 23.
Hat. H. F. Stec. 166,423, Apr. 8.
Hat body or similar article, Felt. J. D. Mohn. 167,643, Sept. 2.
Head and back rest, Portable. C. Fleisig. 166,599, Apr. 29.
Headboard for beds. E. C. Wallace and B. E. Chalmers. 167,241. July 8.
Head covering. H. Brand and I. Kurtz. 166,068, Mar. 4.
Head of a diagnostic instrument. J. T. Armbruster. 166,842. May 27.
Hearing aid. L. A. Watson. 167,873, Sept. 30.
Hearing aid battery tester. W. E. Pfeffer. 168,239, Nov. 18.
Heat register or similar article. E. J. Kraft. 168,514, Dec. 30.
Heat register or similar article. C. Otto. 168,182, Nov. 11.
Heater, Air fan. M. E. Lautner. 167,903, Oct. 7.
Heater and blower unit, Portable. R. M. Sherman. 166,359, Apr. 1.
Heater, Electric. F. Gallay. 168,340, Dec. 9.
Heater, Radiant. M. L. Kornstein. 167,755, Sept. 16.
Heater, Unit. G. E. Hughes. 165,845, Feb. 5.
Heating and cooling pad, Combination. J. J. Dorfman. 167,743, Sept. 16.
Heel, Shoe. A. Gazda. 166,385, Apr. 8.
Helmet. G. T. Adams. 167,789–91, Sept. 23.
Helmet for protection against low temperatures. V. K. Eloranta. 167,339, July 29.
High chair and stroller, Combined. J. B. Peterson. 166,822. May 20.
Hobbyhorse or similar article. E. J. Koller. 167,464, Aug. 12.
Hobbyhorse or similar article. D. C. Stanley. 166,776, May 13.
Hobbyhorse or the like. J. E. Levy. 166,762, May 13.
Holder and base for record players, Combination record. L. F. Kurschner. 167,518, Aug. 19.
Holder and deposit box, Combined mass card. M. H. Parent and A. V. Skarin. 165,663, Jan. 8.
Holder and measuring spoons, Combined. B. Hasenstab. 167,747, Sept. 16.
Holder and perfume bottles, Combined. H. S. Blauvelt. 165,900, Feb. 12.
Holder, Automobile license plate. G. A. Gazan, Jr. 167,885 Oct. 7.
Holder, Blanket. K. G. Harano. 168,222, Nov. 18.
Holder, Christmas tree. E. Parucki and E. S. Cebulski. 165,928, Feb. 12.

Holder, Christmas tree. P. F. Vigna. 166,892, May 27.
Holder, Cigarette. W. R. Dickins, Sr. 166,739, May 13.
Holder, Cigarette. I. Florman. 166,958. June 10.
Holder, Coin. J. Goodman. 165,913, Feb. 12.
Holder, Combination coin and cigarette. N. P. Andrews. 166,015, Feb. 26.
Holder, Condiment. A. B. J. and J. I. Dokus. 166,456, Apr. 15.
Holder, Deodorant block. A. L. Le Febvre. 166,811, May 20.
Holder, Drawing and writing implement. A. C. Kather. 165,923, Feb. 12.
Holder, Eyeglass. J. H. Clark. 165,708, Jan. 22.
Holder for an harmonica and amplifier pickup therefor. E. A. Zielinski. 166,437. Apr. 8.
Holder for container and applicator, Combined. A. B. Fournier and W. D. Williams. 165,683, Jan. 15.
Holder for cosmetics or similar article. A. Perlman. 168,238, Nov. 18.
Holder for desk articles. L. Edison. 168,025, Oct. 28.
Holder for hair cutter or the like. A. N. Spanel. 165,884, Feb. 5.
Holder for milk containers. J. V. Biggs. 167,671, Sept. 9.
Holder for oysterettes and sea food condiments, Combined. I. Fishman. 165,744, Jan. 29.
Holder for photographs or the like. C. L. Curt. 166,376, Apr. 8.
Holder for playing cards. A. Werner, Sr. 167,729, Sept. 9.
Holder for playing cards or the like. A. J. Imsdahl. 168,510, Dec. 30.
Holder for playing cards or the like. M. Saltzman. 166,775. May 13.
Holder for postage stamps in roll form. H. Lathrop. 165,656. Jan. 8.
Holder for toothpicks or similar articles. C. B. Overbaugh. 167,532, Aug. 19.
Holder, Hair. S. Behr. 167,553, Aug. 26.
Holder, Knife. M. S. Adler. 165,894, Feb. 12.
Holder, Knife and fork. W. R. Vermillion. 168,428, Dec. 16.
Holder, Knife sharpening. D. D. Duncan. 165,970, Feb. 19.
Holder, License plate. J. C. Bessolo. 167,878, Oct. 7.
Holder, Magnetic cigarette. D. C. Roller. 166,924, June 3.
Holder, Milk bottle. E. M. Navarro. 168,111, Nov. 4.
Holder, Necktie. A. C. Braun. 167,391, Aug. 5.
Holder or similar article, Drafting instrument. J. A. Fretz, Jr. 165,645, Jan. 8.
Holder or similar article, Earring. D. Johns. 166,196, Mar. 18.
Holder or similar article, Napkin. N. W. Roop. 167,809–10, Sept. 23.
Holder or similar article, Toilet preparation. F. M. Breen. 168,330. Dec. 9.
Holder or the like, Deodorant. M. Fink. 167,398, Aug. 5.
Holder, Pad. A. Angell. 165,895, Feb. 12.
Holder, Paper. M. Hallward. 167,894, Oct. 7.
Holder, Pencil. E. Friedel. 167,937, Oct. 14.
Holder, Roll. A. Badami. 166,439, Apr. 15.
Holder, Silverware. A. A. Liblick. 167,946, Oct. 14.
Holder, Soap. M. Hallward. 167,895, Oct. 7.
Holder, Spoon. G. W. Candee. 166,849, May 27.
Holder, Television and radio program. E. A. La Plante. 166,040, Feb. 26.
Holder, Tissue. M. Hallward. 167,890, Oct. 7.
Holder, Toilet paper. M. J. Grady. 166,534, Apr. 22.
Holder, Toilet paper. S. M. Kandarian. 165,850, Feb. 5.
Holder, Toothbrush. M. Hallward. 167,891, Oct. 7.
Holder, Toothbrush. M. E. Lindsay. 166,088, Mar. 4.
Holder, Tumbler. M. Hallward. 167,893, Oct. 7.
Holder, Urinal. E. G. Mally. 166,616, Apr. 29.
Holder, Welding rod. J. L. Simpson. 168,427, Dec. 16.
Holder, Windmill knife. B. Yellin. 166,516, Apr. 15.
Hood ornament for an automobile. H. T. King. 167,360, July 29.
Hood ornament for automobiles. J. Hanscom. 167,746, Sept. 16.
Hose and slipper-sole assembly, Combination. C. Davidson. 166,801, May 20.
Hospital utility stand or similar article. M. B. Raboli. 167,998, Oct 21.
Hot plate dish cover. J. E. Krilow. 168,462, Dec. 23.
Hourglass. E. G. Nyholm. 166,486, Apr. 15.
House. S. P. Andelenis. 168,203, Nov. 18.
Housecoat. H. Farah. 166,661, May 6.
House trailer. Duplex. R. Ten Eyck. 166,722, May 6.
Housing for bowling games and the like. C. T. Breitenstein. 165,961, Feb. 19.
Housing for odor-oxidizing ozone lamp. C. D. McCann. 166,021, June 3.
Humidifier. C. Karstadt. 167,407, Aug. 5.
Hydraulic pocket slasher. F. W. Smith. 166,505, Apr. 15
Iced cake. K. A. Patrick. 168,519, Dec. 30.
Icicle highball stirrer and cocktail pick. G. Clare. 167,616, Sept. 2.
Illuminable Christmas tree, Rotatable. A. B. Leech. 167,216, July 8.
Incubator, Baby. G. Armstrong and J. W. Dorsak. 168,136, Nov. 11.
Indicating instrument face. P. S. Dickey and K. A. Wood. 166,245, Mar. 25.
Indicator, Soil moisture. O. J. Knutson. 166,082, Mar. 4.
Inflatable burro for water sport. R. H. Wendt. 167,919, Oct. 7.
Instrument, Draftsman's. S. N. Coates. 166,905, June 3.
Instrument for measuring humidity and temperature. D. G. Erskine, Jr. 167,033, Oct. 14.
Instrument, Leveling. W. L. Heffern. 166,079, Mar. 4.
Instrument, Musical. B. F. Jay and M. Feintuch. 165,922, Feb. 12.
Instrument or the like, Drafting. R. Turner. 167,432, Aug. 5.
Instrument, Surveying. L. Churgin. 167,926, Oct. 14.
Instrument, Surveying. L. Churgin and D. N. Grundberg 168,254. Nov. 25.
Instrument, Writing. A. C. Kather. 168,227, Nov. 18.
Iron, Electric. F. Collura. 165,909, Feb. 12.
Iron, Electric. C. Karstadt. 166,199, Mar. 18.
Iron, Travel. R. O. Spencer and B. R. Voight. 167,776, Sept. 16.
Ironing board and seat unit, Combined. C. B. and D. C. Glassie. 167,456, Aug. 12.
Jack. F. S. Pearne. 168,473, Dec. 23.
Jacket. S. Etkin. 165,831, Feb. 5.
Jacket. S. Slater. 168,128, Nov. 4.
Jacket-handle unit and water bottle, Combined. J. H. Konefes. 165,984, Feb. 19.
Jar. S. W. Menefee, Jr. 166,116, Mar. 11.
Jar. J. Stengren. 165,670, Jan. 8.
Jar and bank, Combination cooky. L. H. Dworkin. 165,830, Feb. 5.
Jar, Cosmetic. H. P. Ansehl. 167,921, Oct. 14.
Jar, Grease. M. G. Miller. 166,480, Apr. 15.
Jar or similar article, Stacked snack. A. J. Dreitzer. 167,880, Oct. 7.
Jar or the like, Mixer. H. Fox. 167,259, July 15.
Jar wrench, can punch, and bottle opener, Combined. C. Zuras. 167,920, Oct. 7.
Jewelry case or similar article. E. A. Bourcart. 168,393, Dec. 16.
Jewelry component. F. J. Nielsen. 167,418, Aug. 5.
Jewelry display package or similar article. J. J. Hommer. 167,688–9, Sept. 9
Jewelry link for a necklace or similar article. M. Chernow. 166,592. Apr. 29.
Juice extractor. J. L. Hvale. 167,692, Sept. 9.
Juice mixer or similar article. L. Goldman. 168,344, Dec. 9.
Keg. C. Lipson. 167,578, Aug. 26.
Keg. C. Lipson. 167,700, Sept. 9.
Key ring. F. U. Dumas. 165,639, Jan. 8.
Key ring tag. B. Blecher. 167,387–8, Aug. 5.
Kite. F. M. Robey. 166,637. Apr. 29.
Kite, Jet plane. K. C. Smith. 168,383, Dec. 9.
Knife. R. Wright. 165,811, Jan. 29.
Knife and saw, Combined. P. P. Ruppe. 166,880, May 27.
Knife blade or similar article, Serving. J. O. Van Koert. 166,723, May 6.
Knife or similar article. M. Bernstein. 166,521, Apr. 22.
Knife or similar article. B. Bureau. 166,172, Mar. 18.
Knife, Pocket. T. R. Arden. 166,900, June 3.
Knife, Pocket pruning. G. Dalianis. 167,498, Aug. 19.
Knife sheath, Hunting. T. G. Schrade. 167,591, Aug. 26.
Knitting device or similar article. J. M. Smith. 167,911, Oct. 7.
Knob for a food mixer or the like, Control. L. Jepson. 165,686, Jan. 15.
Knob for gas stove or similar article, Control. D. E. Stewart. 165,672, Jan. 8.
Lace. H. Farnsworth. 167,882, Oct. 7.
Lace. L. Malkin. 168,101, Nov. 4.
Lace. A. S. Staff. 166,279, Mar. 25.
Lace fabric. M. C. Fogliano. 167,342, July 29.
Lace or similar article. B. Edson. 167,881, Oct. 7.
Lacing hook for shoes or similar articles. W. A. Maring. 166,328. Apr. 1.
Lamp. A. E. Blumenthal. 165,820, Feb. 5.
Lamp. L. Christy. 166,951, June 10.
Lamp. A. J. Ingolia, Jr. 165,652, Jan. 8.
Lamp. P. H. Irmischer. 167,693–4, Sept. 9.
Lamp. A. F. Jacobs. 167,516, Aug. 19.
Lamp. J. Juergens. 166,316, Apr. 1.
Lamp. M. M. McDevitt. 168,060. Oct. 28.
Lamp. A. F. Steeber. 167,816, Sept. 23.
Lamp. J. W. Stewart. 167,179, July 1.
Lamp. G. A. Watrous. 165,806. Jan. 29.
Lamp and display device, Combination. A. D. De Lano. 168,290, Dec. 2.
Lamp and display device, Combination. I. Mark. 168,058, Oct. 28.
Lamp and stand, Combined. F. N. Hollander. 167,629, Sept. 2.
Lamp and tray, Combined. B. Laque. 168,162, Nov. 11.
Lamp, Automobile. V. M. Exner. 168,293, Dec. 2.
Lamp base. L. Benigni. 166,656–7, May 6.
Lamp base, Electric. D. Borowitz. 166,793-4, May 20.
Lamp base, Electric. D. Borowitz. 166,846. May 27.
Lamp base, Electric. D. Borowitz. 167,020–6, June 17.
Lamp base, Electric. D. Borowitz. 167,133–4, July 1.
Lamp base, Electric. D. Borowitz. 167,673. Sept. 9.
Lamp base or like article. L. A. Arditti. 167,018, June 17.
Lamp base, Table. R. O. Burton. 167,559, Aug. 26.

Lamp base, Table. S. G. Goforth, Sr., and S. G. Goforth, Jr. 166,962, June 10.
Lamp, Candle. J. E. Beckwith. 167,207, July 22.
Lamp, Decorative. E. C. Fasson. 166,662, May 6.
Lamp, Decorative chess horse. E. F. Chapman. 165,635, Jan. 8.
Lamp for sewing machines. A. Lordo. 166,986, June 10.
Lamp, Night. J. H. Rich. 167,721, Sept. 9.
Lamp or similar article. W. E. Adams. 166,839, May 27.
Lamp or similar article, Electric. J. C. Balyozian 166,168, Mar. 18.
Lamp shade. H. Lewis and L. A. Marks. 168,309–10, Dec. 2.
Lamp shade. H. Lewis and L. A. Marks. 168,413, Dec. 16.
Lamp shade. T. E. Poulin. 168,120, Nov. 4.
Lamp, Table. J. Guy. 168,298, Dec. 2.
Lamp, Table. J. F. Livers. 166,613–14, Apr. 29.
Lamp, Table. M. A. Storchheim. 168,195, Nov. 11.
Lamp, Television. W. N. de Sherbinin. 166,177, Mar. 18.
Lamp, Television. A. C. Guilmette, Sr. 166,665, May 6.
Lamp with double-faced mirror frame, Electric. W. Sablotny. 165,609, Jan. 1.
Lantern, Hanging. E. R. Huegel. 167,080, June 24.
Lantern, Reflecting mantle. C. Bramming. 166,241, Mar. 25.
Lantern, Side mounted. E. R. Huegel. 166,966, June 10.
Lasagna macaroni. S. La Rosa. 168,054, Oct. 28.
Latch. C. O. Goserud. 165,976, Feb. 19.
Lavatory. C. J. Rodman. 166,576, Apr. 22.
Lavatory and cabinet unit. G. G. Rothenstein. 168,317, Dec. 2.
Lawn mower. F. Abel and R. Viemeister. 167,129, July 1.
Lawn mower head unit. J. A. Laughlin. 167,410, Aug. 5.
Lawn sprinkler. M. G. Miller and F. G. Yates. 167,218, July 8.
Lens cutting machine. J. F. McCarthy. 167,156, July 1.
Lens housing for an automobile. M. C. Mawhinney. 167,413, Aug. 5.
Lens housing for automobile lamps. V. M. Exner. 167,973, Oct. 21.
Lens housing for automobiles. H. T. Bannister. 167,964, Oct. 21.
Letter opener. C. B. Woofter. 166,896–8, May 27.
Letter scale, paper clips, and stamp container, Combined. C. H. Strange. 165,724, Jan. 22.
Leveling support for carpenter's level. W. L. Heffern. 167,079, June 24.
Light chamber housing for a photographic slide projector. H. M. Schlegel. 167,426, Aug. 5.
Light fixture. I. S. Brochstein. 165,738, Jan. 29.
Light fixture, Aquarium. A. S. Dribnack. 167,930, Oct. 14.
Light, Safety. R. T. Holland. 166,312, Apr. 1.
Lighter, Cigarette. P. E. Mora. 165,927, Feb. 12.
Lighter, Cigarette. H. G. Treiss, Jr. 167,661, Sept. 2.
Lighter, Cigarette. C. B. Woofter. 168,009, Oct. 21.
Lighter, Table. P. Poullot. 166,126, Mar. 11.
Lighter, Table. W. J. Reilly. 166,875, May 27.
Lighting fixture. T. F. P. Bell, R. C. Kember, and L. T. Anderson. 167,669, Sept. 9.
Lighting fixture. T. B. and R. K. Farrington, F. K. Ikeda, and R. P. Mercer. 167,680–1, Sept. 9.
Lighting fixture. A. V. Jernigan. 166,671, May 6.
Lighting fixture. V. Schreckengost. 167,863, Sept. 30.
Lighting fixture. P. D. Wilson. 166,370, Apr. 1.
Lighting fixture bowl. V. Schreckengost. 167,864, Sept. 30.
Lighting fixture, Ceiling. E. R. Huegel. 167,081, June 24.
Lighting fixture, Direct. R. G. McPhail. 166,093, Mar. 4.
Lighting fixture for signs. G. W. Gray. 166,034, Feb. 26.
Lighting fixture lens. K. Franck. 167,451–2, Aug. 12.
Lighting fixture, Outdoor. A. E. Brooks, H. A. Bacon, and T. H. Stark. 167,558, Aug. 26.
Lighting fixture, Wall. W. H. Pollard, Jr. 165,785, Jan. 29.
Lighting set and case therefor, Combined tree. S. I. Batkin. 165,677, Jan. 15.
Line level. T. Harris. 168,400, Dec. 16.
Link chain. L. R. Pauwels. 166,821, May 20.
Link chain for a bracelet or the like. A. Katz. 168,267, Nov. 25.
Link chain for a bracelet or the like. A. Philippe. 166,488, Apr. 15.
Link chain for a bracelet or the like. A. Philippe. 166,772, May 13.
Link chain for a bracelet or the like. A. Philippe. 167,371, July 29.
Link chain for a bracelet or the like. E. Rodriguez. 167,320, July 22.
Link chain for a bracelet or the like, Expansible. W. C. Boots. 168,285, Dec. 2.
Link chain for a bracelet or the like, Expansible. W. Krust. 167,990, Oct. 21.
Link chain for a bracelet or the like, Expansible. S. Meyerson. 165,718–19, Jan. 22.
Link chain for a bracelet or the like, Expansible. S. Meyerson. 166,042, Feb. 26.
Link chain for a bracelet or the like, Expansible. S. Meyerson. 168,417, Dec. 16.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 165,665, Jan. 8.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 165,870, Feb. 5.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,099, Mar. 4.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,823, May 20.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,877, May 27.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,999, June 10.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 167,060, June 17.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 167,232, July 8.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 167,319, July 22.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 167,853, Sept. 30.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 167,954–5, Oct. 14.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,123–4, Nov. 4.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,240, Nov. 18.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,278, Nov. 25.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,374, Dec. 9.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,477–9, Dec. 23.
Link chain for a bracelet or the like, Expansible. J. V. Saccone. 167,484, Aug. 12.
Link chain for a necklace or similar article. M. Chernow. 168,437, Dec. 23.
Link chain for a necklace or the like. A. Philippe. 166,490, Apr. 15.
Link chain for a necklace or the like. A. Philippe. 167,849–51, Sept. 30.
Link chain for a necklace or the like. A. Philippe. 168,370, Dec. 9.
Link chain for a wrist watch bracelet or the like, Expansible. W. C. Boots. 168,252, Nov. 25.
Lip rouge applicator. G. E. Macomic. 165,691, Jan. 15.
Lipstick case or similar article. A. Koff. 168,160, Nov. 11.
Liquid containing reservoir of a drink dispensing machine. G. Persak, Jr. 165,997, Feb. 19.
Loader unit for farm tractors. J. I. Michaels, C. A. Loesch, K. E. Haddock, and C. J. Davis. 167,758, Sept. 16.
Locker, Trunk. R. A. Baustian, E. A. Barth, H. E. Burke, and B. F. Hantz. 168,205, Nov. 18.
Locking closure for containers. J. W. Soffer. 167,725, Sept. 9.
Louver unit R. J. Gonnella. 168,221, Nov. 18.
Love seat, lounge, and bed, Combination. R. N. Eisendrath. 166,954, June 10.
Luggage handle. R. Lurie. 168,362, Dec. 9.
Macaroni. D. Maldari. 166,695, May 6.
Macaroni. A. Ronzoni. 167,956, Oct. 14.
Magnifier, Illuminating. R. S. Filsinger. 166,597, Apr. 29.
Mailbox. S. H. Coward, Jr. 167,928, Oct. 14.
Mailbox. H. Gosweiler. 166,748, May 13.
Mailbox house. J. I. Heinz. 166,749, May 13.
Manicure kit. S. S. Joslyn. 165,761, Jan. 29.
Map holder or similar article. G. C. Bright. 166,795, May 20.
Mask for disguise or the like. W. A. Redlin. 165,868, Feb. 5.
Mask or the like. J. H. Miller. 167,706, Sept. 9.
Massager. O. N. Sandholm. 166,050, Feb. 26.
Mat, Bathtub safety. H. Langenslepen. 166,039, Feb. 26.
Mat, Embossed plastic table. G. F. Shewell. 165,879, Feb. 5.
Mat, Floor. D. W. Moor, Jr. 165,926, Feb. 12.
Mat, Floor. A. Sobolewsky. 166,935, June 3.
Mat, Stair tread. H. B. McKay. 167,994, Oct. 21.
Matchbook case or similar article. D. Sobel. 166,004, Feb. 19.
Matchbox. F. L. Sinks. 166,640, Apr. 29.
Mattress, Inflatable. W. L. Vega. 167,871, Sept. 30.
Mausoleum. W. Marlowe. 167,522, Aug. 19.
Measuring device. M. Chapman. 167,496, Aug. 19.
Measuring device for semisolids. O. Dieckmann. 165,743, Jan. 29.
Meat carving board with hinged sections. M. F. Klein. 168,098, Nov. 4.
Medal. N. Holz. 165,842, Feb. 5.
Medal or similar article. V. O. Metsker. 166,768, May 13.
Medallion. J. D. Cuccio. 166,453, Apr. 15.
Medallion. E. E. Herrmann. 166,466, Apr. 15.
Medallion, Identification. W. Stayback. 166,422, Apr. 8.
Melting pot for cosmetic pomade. P. L. Schluttig. 166,827, May 20.
Meringue pie. M. B. Strause. 167,430, Aug. 5.
Merry-go-round, Portable. E. Salgo and F. M. Drake. 167,860, Sept. 30.
Meter, Fluid measuring. R. C. Webster. 165,953, Feb. 12.
Meter housing, Parking. W. W. Jones. 166,753, May 13.
Meter, Parking. W. N. Woodruff. 166,009, Feb. 19.
Meter, Parking. A. E. Foss. 166,059, Feb. 26.
Microphone or the like. A. L. Dvorsky and M. Palo. 166,741, May 13.

Microphotograph viewer. E. O. Peters. 167,363, July 29.
Milk container jug. S. Lapin. 167,214, July 8.
Milk processing building. P. B. Mayo. 165,692, Jan. 15.
Mirror and toilet article shelf unit, Child's. J. E. Kopko. 167,517, Aug. 19.
Mirror, Automobile rear-view. D. M. Nelson. 166,922, June 3.
Mirror, Dental. J. R. O'Neil. 167,767, Sept. 16.
Mirror, Detachable slide dental. L. R. Cohn. 168,018, Oct. 28.
Mirror frame or the like. G. Abrams. 168,325, Dec. 9.
Mirror, Illuminable make-up. E. H. Westmore. 166,511, Apr. 15.
Mixer body, Food. C. Karstadt. 168,037, Oct. 28.
Mixer, Electric food. C. H. Gemmill. 165,747, Jan. 29.
Mixer, Food. W. E. Moore. 168,063, Oct. 28.
Mixer for frozen desserts. W. C. Kelley and H. C. Phillips. 165,762, Jan. 29.
Mixer, Kitchen. A. Kost. 166,111, Mar. 11.
Mixer or the like, Food. I. Jepson. 165,848, Feb. 5.
Mixer or the like, Food. I. Jepson. 167,149, July 1.
Mobile repair shop. K. W. Couse. 166,530, Apr. 22.
Moccasin. V. G. Spilman. 167,008, June 10.
Mold or similar article, Hamburger. G. W. Thorward. 166,365, Apr. 1.
Molded food product. L. Peters. 166,869–73, May 27.
Molded pulp insulation article. R. S. French. 166,460, Apr. 15.
Molded pulp insulation member. R. S. French. 167,567, Aug. 26.
Mop. W. E. Parker. 166,487, Apr. 15.
Motion-picture projector. F. G. Knowles. 166,981, June 10.
Motor, Electric. R. W. Dochterman. 166,030, Feb. 26.
Motor, Electric. R. W. Dochterman. 167,139–40, July 1.
Motor, Electric. R. W. Dochterman. 168,397, Dec. 16.
Motor vehicle cab. T. Ornas, Jr. 168,112, Nov. 4.
Mouth organ. W. Hohner. 166,750, May 13.
Mower housing, Rotary. C. T. Morris and T. E. Coners. 168,064, Oct. 28.
Muller. R. H. McElroy. 167,947, Oct. 14.
Multilens magnifier. A. H. Blum. 166,170, Mar. 18.
Music template. C. A. Dowell. 165,911, Feb. 12.
Musical instrument, Stringed. G. Barr. 167,494, Aug. 19.
Nail clip. J. Haliniewski. 168,029, Oct. 28.
Name plate. J. H. Walter. 166,836, May 20.
Napkin or the like, Embossed paper. R. Gould. 166,911, June 3.
Necklace. F. C. Witmer. 165,624, Jan. 1.
Necklace or similar article. F. C. Witmer. 167,551, Aug. 19.
Necklace or the like. A. Katz. 166,318, Apr. 1.
Necklace or the like. A. Katz. 166,551, Apr. 22.
Necklace or the like. A. Katz. 166,607, Apr. 29.
Necklace or the like. A. Katz. 166,676–86, May 6.
Necklace or the like. A. Katz. 166,690, May 6.
Necklace or the like. A. Katz. 168,050, Oct. 28.
Necklace or the like. A. Katz. 168,405, Dec. 16.
Necklace or the like. A. Katz. 168,408, Dec. 16.
Necklace or the like. A. Katz. 168,456–8, Dec. 23.
Necklace or the like. A. Katz. 168,512, Dec. 30.
Necklace or the like. A. Philippe. 166,342–5, Apr. 1.
Necklace or the like. A. Philippe. 166,350, Apr. 1.
Necklace or the like. A. Philippe. 166,353–4, Apr. 1.
Necklace or the like. A. Philippe. 166,708–10, May 6.
Necklace or the like. A. Philippe. 166,993, June 10.
Necklace or the like. A. Philippe. 167,098–9, June 24.
Necklace or the like. A. Philippe. 167,368–9, July 29.
Necklace or the like. A. Philippe. 167,421, Aug. 5.
Necklace or the like. A. Philippe. 167,584, Aug. 26.
Necklace or the like. A. Philippe. 167,649–52, Sept. 2.
Necklace or the like. A. Philippe. 168,184, Nov. 11.
Necktie. H. K. Birkestol. 166,018–21, Feb. 26.
Necktie. L. R. Sanders. 167,377, July 29.
Necktie. L. Tarmon. 166,054, Feb. 26.
Necktie. C. T. Tinling. 166,891, May 27.
Needle, Hypodermic. J. W. Lee. 165,591, Jan. 1.
Needle, Relooping. W. O. Runcie. 167,233, July 8.
Negligee. V. Giovagnoni. 165,972, Feb. 19.
Nipple, Bottle. F. Lobl. 167,466, Aug. 12.
Noise eliminator cap unit. C. Leight. 167,089, June 24.
Nose and eye protector, Combined. E. D. Felch. 166,853, May 27.
Nozzle, Fire hose. P. Caird. 167,067, June 24.
Nozzle, Windshield washer. L. C. Neufeld. 167,527, Aug. 19.
Nursery toilet. P. D. La Hue. 168,463, Dec. 23.
Nut cracker. W. H. Ammon. 165,956, Feb. 19.
Office machine stand. W. Thomas. 168,524, Dec. 30.
Office machine table. W. Thomas. 168,525, Dec. 30.
Opener, Can. W. E. Moore. 167,581, Aug. 26.
Opener, Can. H. J. Talge and F. E. Aberer. 167,598. Aug. 26.
Opener, Folding can and bottle. M. J. Laforte. 168,053, Oct. 28.
Opener or similar article, Can. J. H. Borland. 167,251, July 15.
Opener, scaler, and screw driver, Combined can and bottle. J. L. Davis, Jr. 168,020, Oct. 28.
Ophthalmic mounting or the like. C. A. Baratelli. 165,706, Jan. 22.
Ophthalmoscope. J. T. Armbruster. 166,438, Apr. 15.
Orange peeler. A. Howard. 165,980, Feb. 19.
Organ, Electronic. V. H. Ward and R. G. W. Hewitt. 168,488, Dec. 23.
Ornament, Bird cage. B. B. Verosub and L. Lipman. 167,326, July 22.
Ornament, Christmas lamp. E. A. Godber. 167,401, Aug. 5.
Ornament, Dress. M. Myers. 166,097, Mar. 4.
Ornament for an automobile hood. H. W. Pilkey. 167,655, Sept. 2.
Ornament for spectacle frame parts. V. Errico, H. Berman, and D. Lofrese. 166,956, June 10.
Ornament or the like, Automobile. R. H. Hieger. 167,833, Sept. 30.
Ornament or the like, Christmas tree. M. S. Douglas. 166,031, Feb. 26.
Ornament or the like, Hat. A. Dispensa. 166,301, Apr. 1.
Ornament, Vehicle. H. D. Finley. 168,441, Dec. 23.
Ornament, Wall. T. T. Ross. 168,375, Dec. 9.
Ornamental initials for spectacle fronts, Set of. S.-E. Ish-Shalom. 168,034, Oct. 28.
Overdrive housing. H. F. Heisler. 166,669, May 6.
Overshoe. R. B. Hardman. 166,912, June 3.
Overshoe. T. W. Hayward. 168,301, Dec. 2.
Overshoe. A. C. Kolb. 166,859, May 27.
Overshoe or the like. J. S. Kamborian. 168,266, Nov. 25.
Oxygen mask. A. M. Russell. 167,857–8, Sept. 30.
Packboard. A. C. H. Weiss and R. W. Ehlers. 167,783, Sept. 16.
Pack for fruit or similar articles. W. H. Randall. 166,492–3, Apr. 15.
Package for a toy pistol. R. O. Wesley. 165,954, Feb. 12.
Package for jewelry findings and the like. M. L. Berrie. 166,062, Mar. 4.
Packaging display kit or similar article. O. R. Parker. 168,472, Dec. 23.
Packing and display case for lipsticks, Combined. M. L. Shanahan. 168,320, Dec. 2.
Packing article for fragile materials. E. L. Shepard. 166,886, May 27.
Packing flat. U. H. Despres. 166,455, Apr. 15.
Packing sheet for fragile articles. P. M. Williams. 166,515, Apr. 15.
Paint-mixing machine. W. E. Holt. 165,920, Feb. 12.
Pair of food tongs or similar article. N. W. Roop. 166,100, Mar. 4.
Pair of shears. J. Ahlbin. 166,899, June 3.
Pair of spectacles. A. Girouard. 165,973, Feb. 19.
Pair of spectacles. G. Lissac. 168,515, Dec. 30.
Pair of spectacles or the like. E. L. Schumacher. 168,381, Dec. 9.
Pair of spectacles or the like. E. L. Schumacher and A. De Angelis. 168,380, Dec. 9.
Pan, Baking. J. Teague. 167,123, June 24.
Pan cover, Fry. H. G. Fornoff. 168,026, Oct. 28.
Pan, Meat cooking. W. J. Sherman. 166,829, May 20.
Panties or similar article. S. Royce. 165,872, Feb. 5.
Pants, Baby. J. Yohey and M. Tredway. 168,388, Dec. 9.
Panty. W. Maron. 165,658–9, Jan. 8.
Paper napkin or the like. J. F. Meyer. 166,208, Mar. 18.
Paper punch or similar article. H. W. Marano. 167,520–1, Aug. 19.
Paper registration guide for an electrophotographic copying machine. C. R. Mayo. 165,993, Feb. 19.
Paperweight, Signpost. M. I. Klein and D. B. Nystrom. 166,611, Apr. 29.
Parking lamp and mirror, Combined. H. Paine. 168,065, Oct. 28.
Partitioning device for automobile glove compartment. P. Ershler. 166,957, June 10.
Pavement repairing machine. V. F. Baumgardner. 166,169, Mar. 18.
Pedestal for a scientific instrument. F. C. Ellis. 168,090, Nov. 4.
Pedicure table and footrest or similar article, Combination. P. M. Chancellor. 167,675, Sept. 9.
Peeler or similar article, Citrus. W. L. Horning. 165,582, Jan. 1.
Penholder, Desk. G. B. Cleary. 165,908, Feb. 12.
Penholder desk unit. E. C. Landon. 168,271, Nov. 25.
Pencil. A. Gazda. 166,253–5, Mar. 25.
Pencil, Ball point. V. H. Lust. 166,114, Mar. 11.
Pendant. E. Rickspoone. 168,276, Nov. 25.
Pendant. V. Sorrentino. 166,507, Apr. 15.
Pendant cross. E. Rickspoone. 167,275–6, July 15.
Pendant fixture for sanctuary side lighting. E. R. Huegel. 167,691, Sept. 9.
Percolator top. N. B. Jagemann. 165,846, Feb. 5.
Perfume bottle casing. D. L. Spender. 167,777, Sept. 16.
Periodical support. W. L. Minick. 166,406, Apr. 8.
Petticoat. A. Friedman. 166,663, May 6.
Phonograph, radio, television receiver cabinet, Combination. J. De Young, T. Petersen, and H. H. Steglich. 166,852, May 27.
Phonograph record vendor. F. SeBastian. 167,866, Sept. 30.
Photograph album. R. E. Orvedahl. 165,860, Feb. 5.
Photographic flash unit. M. J. Carter. 166,850, May 27.
Photographic print-making machine. K. A. Van Dyck. 167,599, Aug. 26.

Photographic slide projector. H. M. Schlegel. 167,427, Aug. 5.
Piano and organ or similar article, Combination. J. Barofsky. 167,437–8, Aug. 12.
Pickup arm for phonograph. H. V. Slade. 168,002, Oct. 21.
Picture frame. J. M. McConnell. 166,331, Apr. 1.
Pie crust crimper. G. B. Genhart. 167,886, Oct. 7.
Pie dough cutter. R. Shaw. 167,118, June 24.
Pillow. B. Godfrey. 166,664, May 6.
Pillow case. R. Bryant. 166,950, June 10.
Pillowcase. W. L. M. Clark. 167,253, July 15.
Pillowcase or the like. M. Dorr. 167,338, July 29.
Pin. M. P. Roumm, J. W. Gehring, and J. G. Chapman. 166,415–16, Apr. 8.
Pin. N. Shuman. 165,612, Jan. 1.
Pin clip or the like. A. Katz. 166,609, Apr. 29.
Pin clip or the like. A. Philippe. 167,224, July 8.
Pin clip or the like. A. Philippe. 168,067, Oct. 28.
Pin or similar article. D. Willinger. 167,731, Sept. 9.
Pin, Safety. I. Glasband. 165,912, Feb. 12.
Pipe cutter. R. B. Penler. 167,049, June 17.
Pipe, Smoker's. M. A. Gross. 167,076, June 24.
Pipe, Tobacco. G. W. Rehfeld. 167,230–1, July 8.
Pitcher. J. C. Byrd. 166,527, Apr. 22.
Pitcher. T. B. House. 167,147, July 1.
Pitcher, Carton holding. F. M. Cherry. 167,254, July 15.
Pitcher, Cream. C. O. Bliss. 166,587, Apr. 29.
Pitcher, Cream. R. G. Cowan. 165,827, Feb. 5.
Pitcher, Dripless. T. B. House. 168,033, Oct. 28.
Place mat. G. H. Wood and R. Mulholland. 166,234, Mar. 18.
Place mat or similar article. K. C. Hamilton. 166,965, June 10.
Placemat, Silverware. M. W. Jones. 167,942, Oct. 14.
Planter. G. C. Frenz. 168,295, Dec. 2.
Planter. W. W. Goodman. 167,346, July 29.
Planter. A. F. Klingberg. 168,411, Dec. 16.
Planter. E. E. Mecus. 166,094, Mar. 4.
Planter or similar article. R. C. Sandkuhle. 166,418–19, Apr. 8.
Plaque. D. J. Hennessy. 167,748, Sept. 16.
Plaque or similar article, Wall. J. M. Black. 166,946, June 10.
Plaster mixer. D. C. Jones. 168,226, Nov. 18.
Plastic cover for containers. D. Goldrosen. 167,142, July 1.
Plastic film, Flexible. D. Laska. 166,543, Apr. 22.
Plastic film material or the like, Quilted. D. E. Hogan, Jr. 165,840–1, Feb. 5.
Plastic sheet or similar article, Embossed. W. M. Feder. 166,909, June 3.
Plastic sheet or similar article, Embossed. W. M. Feder. 167,340, July 29.
Plastic sheet or similar article, Embossed. A. Q. Freedman. 167,883, Oct. 7
Plate. S. and J. Davis. 167,069–71, June 24.
Plate. U. H. Despres. 166,028, Feb. 26.
Plate. A. L. Dragonetti. 168,023, Oct. 28.
Plate. A. Wright. 168,010, Oct. 21.
Plate and attaching clamp, Combined. D. W. Fry. 166,660, Apr. 29.
Plate, Compartmented. C. J. Chaplin. 166,735, May 13.
Plate, Dinner. F. F. Errill. 167,932, Oct. 14.
Plate, Dinner. S. H. Slobodkin. 166,934, June 3.
Plate, Dinner. F. Wagner. 166,937, June 3.
Plate or similar article. H. M. Dost. 167,446–9, Aug. 12.
Plate or similar article. V. M. Fellows. 168,500, Dec. 30.
Plate or similar article. H. Hacker. 168,262, Nov. 25.
Plate or similar article. G. J. Higginson. 165,838, Feb. 5.
Plate or similar article. G. J. Higginson. 168,032, Oct. 28.
Plate or similar article. T. O. Muench. 167,472, Aug. 12.
Plate or similar article. G. Rudd. 165,873, Feb. 5.
Plate or similar article. K. White. 168,245, Nov. 18.
Plate or similar article, Dinner. D. Bourne. 165,570, Jan. 1.
Plate or similar article, Dinner. D. Bourne. 166,067, Mar. 4.
Plate or similar article, Dinner. C. W. Leigh. 166,325–6, Apr. 1.
Plate or similar article, Dinner. C. W. Leigh. 167,763, Sept. 16.
Plate or similar article, Dinner. C. H. McKaig. 167,416, Aug. 5.
Plate or similar article, Dinner. C. L. Nelson. 166,209 Mar. 18.
Plate or similar article, Dinner. E. M. Otis. 166,046, Feb. 26.
Plate or similar article, Dinner. E. M. Otis. 166,336, Apr. 1.
Plate or similar article, Dinner. E. M. Otis. 166,547, Apr. 22.
Plate or similar article, Dinner. W. C. Richardson. 168,371, Dec. 9.
Plate or similar article, Dinner. P. S. Vreeland. 167,434–5, Aug. 5.
Plate or similar article, Dinner. F. Wagner. 166,430–2, Apr. 8.
Plate or similar article, Dinner. N. Zimmerman. 165,892, Feb. 5.
Plate or similar article, Glass. A. J. Dreitzer. 166,146, Mar. 11.
Plate or similar article, Wall. L. Ludwig. 167,760, Sept. 16.
Plate or the like. M. S. Ambrose. 165,625, Jan. 8.
Plate or the like. P. R. Costigan. 165,741, Jan. 29.
Plate or the like. B. L. Miller and G. Parker. 165,855, Feb. 5.
Plate, Salad. C. O. Bliss. 166,065, Mar. 4.
Play burro. R. H. Wendt. 167,185, July 1.
Play mat, Child's. R. L. Mitchell. 168,106, Nov. 4.
Play suit. F. L. G. Mason. 168,273, Nov. 25.
Playsuit, Child's. R. T. Friedman. 167,073, June 24.
Playing unit for game tables or similar articles. S. T. Cooper. 165,740, Jan. 29.
Plumb bob sheath. A. C. McCord. 167,157, July 1.
Pocket file case. W. H. Stefanakis. 168,241, Nov. 18.
Pocketknife. B. Blecher. 166,064, Mar. 4.
Pointer for pencils, Multiple. T. L. E. Haug. 167,896, Oct. 7.
Polisher, Floor. J. Palma, Jr. 166,548, Apr. 22.
Polishing machine, Floor. H. J. Pond. 166,572, Apr. 22.
Polishing machine, Floor. E. L. Verhagen. 166,055, Feb. 26.
Post mitt for chairs and other furniture. J. B. Mince. 166,618, Apr. 29.
Pot, Coffee. F. Wagner. 166,936, June 3.
Potato peeler or the like. N. J. de Mille. 167,305, July 22.
Poultry hanging shackle. R. S. Zebarth. 166,583, Apr. 22.
Pour counter for liquor bottles. W. J. Miller. 167,707, Sept. 9.
Pouring attachment for bottles. W. S. Fuld. 165,646, Jan. 8.
Pouring attachment for containers. W. S. Fuld. 165,577, Jan. 1.
Pouring device for milk cartons. R. F. Gegan. 167,202, July 8.
Powder box or the like. A. E. Fischel. 167,625, Sept. 2.
Power saw for dehorning livestock or similar article. J. R. Wynkoop. 168,134, Nov. 4.
Power trimmer. S. J. and H. J. Hoff. 165,919, Feb. 12.
Power unit for a food mixer or the like. R. A. Lambert. 167,756, Sept. 16.
Pressing iron. F. W. Perl. 167,096, June 26.
Print unit for printing machines. W. Wockenfuss. 168,083, Oct. 28.
Printing device, Hand operable. J. O. Reinecke. 168,122, Nov. 4.
Protective housing for encased meters. C. Shuler and C. J. Godfrey. 168,481, Dec. 23.
Protractor for axonometric drawing. C. B. O'Conner. 166,118, Mar. 11.
Pump. G. H. Zimmer, Jr. 165,727–9, Jan. 22.
Pump casing. C. I. Longenecker. 168,164, Nov. 11.
Pump, Fluid proportioning. R. B. Saalfrank and A. D. Fell, Jr. 166,000, Feb. 19.
Pump, Hydraulic. W. F. Wanner. 167,548, Aug. 19.
Pump, Wine. G. C. Lutz. 168,165, Nov. 11.
Puppet. W. B. and H. C. Bartner. 166,942, June 10.
Puppet. W. B. and H. C. Bartner. 167,330, July 29.
Puppet. F. B. Tillstrom. 167,280, July 15.
Puppet, Hand. W. S. Keane. 167,265, July 15.
Puppet or the like. W. B. and H. C. Bartner. 165,897, Feb. 12.
Purse. S. Tabata. 166,282, Mar. 25.
Purse, Coin. W. H. St. Thomas. 166,777, May 13.
Purse, Sock. W. H. St. Thomas. 166,579, Apr. 22.
Push bar for store doors. R. Burdick. 165,633, Jan. 8.
Puzzle charm or similar article. R. Haines. 167,570, Aug. 26.
Rack. S. S. Schiffer. 168,423, Dec. 16.
Rack, China. G. Russo. 167,483, Aug. 12.
Rack, Corner. S. L. Snyder. 167,958, Oct. 14
Rack, Display. E. F. Carlson. 167,220, July 8.
Rack, Display. P. K. Wood and G. A. Maurer. 168,007, Oct. 21.
Rack for a vacuum coffeemaker upper bowl, Supporting. W. E. Taylor. 165,885, Feb. 5.
Rack for combs or similar articles. P. J. Guiotta. 167,458, Aug. 12.
Rack for condiment holders or similar article. P. D. McGee. 167,993, Oct. 21.
Rack for crockery or similar article, Display. M. T. Grode. 167,203, July 8.
Rack for food products. R. K. Gibbs. 166,307, Apr. 1.
Rack for pot holders. B. L. Buchanan. 167,879, Oct. 7.
Rack for rubber stamps or the like. A. Lenard. 168,307, Dec. 2.
Rack for supporting a therapeutic compress in a liquid bath. L. Jensen. 167,356, July 29.
Rack for supporting a therapeutic compress in a liquid bath. L. Jensen. 167,985, Oct. 21.
Rack for tables, Article holding. E. F. Husted. 165,981, Feb. 19.
Rack, Garment display. M. Cohen. 168,143, Nov. 11.
Rack, Hat and clothes. L. W. Sloan, Sr., and C. J. Bonk. 168,382, Dec. 9.
Rack, Jewelry display. J. J. Hommer. 168,448, Dec. 23.
Rack, Magazine. C. J. Gleed, Jr. 168,445, Dec. 23.
Rack, Merchandise display. J. Zel and R. W. Latimer. 167,820, Sept. 23.
Rack, Necktie. R. B. Thompson. 165,886, Feb. 5.
Rack, Olive. M. B. and E. L. Del Conte. 165,968 9, Feb. 19.

Rack, Olive. M. B. and E. L. Del Conte. 167,257, July 15.
Rack or similar article, Display. M. C. Miner. 168,366,, Dec. 9.
Rack or similar article, Luggage. F. Troccoli. 165,887, Feb. 5.
Rack or similar article, Necktie holding. W. H. Black. 168,328, Dec. 9.
Rack or similar article, Newspaper and magazine. L. W. Dunn. 167,395, Aug. 5.
Rack or the like, Tie. B. M. Lester. 167,361, July 29.
Rack or the like, Tie. B. M. Lester. 167,411, Aug. 5.
Rack, Playing card. C. L. La Jeunesse. 167,314, July 22.
Rack, Poker chip. C. H. Stedman. 165,799, Jan. 29.
Rack, Portable outdoor clothes. D. S. Loughlin. 166,615, Apr. 29.
Rack, Shoe. F. Stein. 165,942, Feb. 12.
Rack, Tie. J. V. Hansen and F. P. Stewart. 168,299, Dec. 2.
Rack, Tie. R. E. Hoylman. 168,265, Nov. 25.
Rack, Towel. R. Eckenboy. 165,681, Jan. 15.
Rack, Wall. F. L. Ferguson. 167,341, July 29.
Rack, Watch holding. D. M. Roeder. 167,656, Sept. 2.
Racket for table tennis. B. C. Schmid. 168,192, Nov. 11.
Radiator enclosure, Baseboard. H. S. Woodruff. 168,008, Oct. 21.
Radio, Clock. R. D. Budlong. 167,253, July 15.
Radio panel. L. W. Coullard. 168,214, Nov. 18.
Radio receiver. G. A. Beck. 166,294, Apr. 1.
Radio receiver. R. Montmeat. 166,333, Apr. 1.
Radio receiver casing. R. Florac. 167,828, Sept. 30.
Railway car body. R. W. Haman, A. B. Girardy, and C. V. Norby. 168,346, Dec. 9.
Railway car numbering sign. F. P. Brown and M. G. Marshall. 167,792, Sept. 23.
Railway observation car body. A. B. Girardy, D. W. Doman, and R. E. Meyers. 168,219, Nov. 18.
Range. J. A. Nelson, G. W. Kamin, and L. E. Wolske. 166,117, Mar. 11.
Range, Electric. E. R. Culver, Jr. 165,742, Jan. 29.
Razor, Safety. B. H. Rauff. 165,867, Feb. 5.
Receptacle and closure member therefor, Combined. H. A. Murt. 166,478, Apr. 15.
Receptacle, Ash receiving. M. Drexler. 166,072, Mar. 4.
Receptacle for ashes, eggs, pins, and the like. F. E. Rogers. 167,000, June 10.
Receptacle for smoking tobacco or similar article. R. T. Etzler. 168,338, Dec. 9.
Receptacle, Merchandise. R. E. Paige. 165,861, Feb. 5.
Receptacle, Multitray serving. J. M. Black. 166,442, Apr. 15.
Receptacle, Multitray serving. J. M. Black. 166,523, Apr. 22.
Receptacle or similar article, Cake. N. W. Roop. 166,498, Apr. 15.
Receptacle, Plant. P. T. Crane. 165,709, Jan. 22.
Receptacle, Plant root. A. Tersini. 167,009, June 10.
Receptacle, Signaling coin. S. Lempkowitz. 167,465, Aug. 12.
Receptacle, Wire. G. B. Hume. 167,262, July 15.
Record changer. L. J. Andres. 167,187, July 8.
Record changer turntable unit. S. E. Adler and J. E. Vistain, Jr. 166,371, Apr. 8.
Record player. R. D. Budlong. 166,070, Mar. 4.
Reflector for an electric lighting fixture. A. Lordo. 167,268, July 15.
Refrigerator. D. E. Dalley. 167,825, Sept. 30.
Refrigerator cabinet. M. Ferar. 168,257, Nov. 25.
Refrigerator cabinet door handle. M. Ferar. 168,339, Dec. 9.
Refrigerator door handle. D. Dalley and C. D. Dushek. 167,561, Aug. 26.
Refrigerator, Household. R. B. Janes. 166,752, May 13.
Refrigerator unit for an oxygen tent. R. J. Reading. 167,719, Sept. 9.
Register. W. C. De Roo. 167,336, July 29.
Register. W. C. De Roo. 167,499, Aug. 19.
Register. W. C. De Roo, P. D. Winchester, and A. E. Kletzmann. 167,337, July 29.
Register, Manually set portable. E. C. Rosenberg. 168,000, Oct. 21.
Regulator, Fluid pressure. H. A. Benzel. 167,385, Aug. 5.
Regulator, Pressure. J. L. Matasovic. 166,329–30, Apr. 1.
Relay or similar article. L. E. Massie. 167,047, June 17.
Remote control unit for television receivers and the like. G. A. Gast. 168,442, Dec. 23.
Respirator. H. B. Lewis. 168,311, Dec. 2.
Ring. F. C. Witmer. 165,623, Jan. 1.
Ring, Finger. H. Frackman. 166,306, Apr. 1.
Ring, Finger. R. C. Haltom. 166,309, Apr. 1.
Ring, Finger. V. Sorrentino. 167,120, June 24.
Ring, Finger. R. H. Staley. 165,941, Feb. 12.
Roast board and food tray, Combined foldable. R. B. Karoff. 167,750, Sept. 16.
Roaster, Electric. G. H. Allgeyer. 166,841, May 27.
Robe or similar article. A. Wilson. 168,246, Nov. 18.
Rocker or similar article, Child's. J. Giglio. 166,961, June 10.
Roof mounting bracket for automobile visors. R. E. Dieterich. 166,029, Feb. 26.
Rosary case or the like. F. J. Van Wyk. 168,323, Dec. 2.
Rosary medal. D. M. Doherty. 167,827. Sept. 30.
Roundabout. F. H. Wyman and F. F. Taylor. 168,011, Oct. 21.
Rubbing machine. S. E. Scace. 165,877, Feb. 5.
Rug or similar article, Bordered. A. E. Lawrence. 167,519, Aug. 19.
Sadiron, Electric. M. Ireland. 165,757, Jan. 29.
Salt and pepper shaker, Combined. A. Omoto. 168,369, Dec. 9.
Salt dispenser or similar article. M. F. Jaksch. 167,633, Sept. 2.
Salt shaker. A. R. Burton. 167,135, July 1.
Salt shaker or similar article. V. de Marsa. 167,304, July 22.
Sandal. J. F. Feeks. 167,624, Sept. 2.
Sandal. J. B. Flautt. 167,072, June 24.
Sandal. G. S. Laham. 165,716, Jan. 22.
Sandal. R. J. Pastine. 166,122–3, Mar. 11.
Sandal. R. J. Pastine. 167,533, Aug. 19.
Sandal. J. Stein. 167,235, July 8.
Sandal or similar article. W. Braun. 166,025, Feb. 26.
Sandal or similar article. W. Braun. 167,737, Sept. 16.
Sandal or similar article, Child's. R. T. Wiseman. 166,785, May 13.
Sandal or similar article, Lady's. R. T. Wiseman. 167,665, Sept. 2.
Sanding machine, Portable power operated. A. N. Emmons and P. Muller-Munk. 166,148, Mar. 11.
Sash hinge. C. W. Kelly. 167,696, Sept. 9.
Saucer or similar article. C. L. Nelson. 165,857, Feb. 5.
Savings bank bottle. M., D., and J. Issenberg. 168,155, Nov. 11.
Saw attachment for portable electric drills. E. J. Majewski. 168,272, Nov. 25.
Saw, Portable power-operated. E. J. Majewski. 168,467, Dec. 23.
Scale, Laboratory. C. L. Otto. 166,771, May 13.
Scale, Portable heavy-duty. C. N. Bates. 165,676, Jan. 15.
Scale, Postal. S. B. Haussen and L. E. Hansen. 166,856, May 27.
Scale, Weighing. M. A. Weckerly. 167,818, Sept. 23.
Scarf. R. G. Bliss. 167,556, Aug. 26.
Scarf. Q. H. Sandler. 167,590, Aug. 26.
Scoreboard for wrestling matches. C. R. Myers. 167,094, June 24.
Screen, Decorative foldable. O. Moessner. 168,108, Nov. 4.
Screen or similar article, Woven. S. E. Waite. 165,889, Feb. 5.
Screwdriver. T. L. Rhodes. 167,058, June 17.
Screwdriver, cap remover, envelope opener, and nail file, Combination. N. Joannides. 167,899, Oct. 7.
Scriber. F. N. Day. 165,967, Feb. 19.
Seat and wall cabinet, Combination. E. H. Cawthon. 165,678, Jan. 15.
Seat, Baby's. S. H. Bishop. 165,899, Feb. 12.
Seat, Child's auxiliary. J. W. Smith. 167,287, July 15.
Seat, Lawn. H. P. Glass. 165,835, Feb. 5.
Seat or similar article, Waiting room. R. C. Weatherly. 165,952, Feb. 12.
Separable coupling for hydraulic lines. R. M. Ulrich. 167,662, Sept. 2.
Serving cart and table, Combined. J. Strathaus. 165,944, Feb. 12.
Serving tray, glass caddy, and ice bucket, Combined. R. B. Karoff. 167,083. June 24.
Set of game pieces. J. J. Crist. 166,243, Mar. 25.
Set of ornamental initials for spectacle fronts. S. Ish-Shalom. 168,154, Nov. 11.
Sets of coasters and package therefor or similar article, Combined. P. E. Wenander. 166,368, Apr. 1.
Settee. R. D. Williams. 166,058, Feb. 26.
Sewing chest. I. Rothstein. 166,127, Mar. 11.
Sewing chest and pin cushion or the like, Combined. H. J. Barrows. 167,821, Sept. 30.
Sewing kit. H. Schildkraut. 168,318, Dec. 2.
Sewing machine. H. Bungert. 168,331, Dec. 9.
Sewing machine. P. F. Cencer and F. Whiteman. 165,823, Feb. 5.
Sewing machine. P. S. Morse. 168,168, Nov. 11.
Sewing machine. H. Rabeszana. 166,575, Apr. 22.
Sewing machine. C. E. Waltman and N. L. Wallenberg. 168,198, Nov. 11.
Sewing machine cabinet and seat, Combined. G. A. Huth. 167,404–5, Aug. 5.
Sewing machine cabinet and seat, Combined. H. A. Trumflo. 166,006, Feb. 19.
Shaker, Condiment. M. A. Weisbrot. 165,808, Jan. 29.
Shaker, Seasoning. C. O. Bliss. 166,525, Apr. 22.
Shaver case, Electric. L. C. Carissimi. 168,436, Dec. 23.
Shaver, Electric. J. Streng. 167,596, Aug. 26.
Shear. F. E. Munschauer, Jr. 167,710, Sept. 9.
Shears, Angle head metal-cutting. W. M. Shoffner. 166,230, Mar. 18.
Sheet metal. F. Wagner. 166,724, May 6.
Sheet metal frame for grilles and the like. W. W. Kennedy. 165,982, Feb. 19.
Sheet of stationery or the like. E. J. Jones. 166,604, Apr. 29.
Sheet support for an automatic sheet feeding machine or the like. E. L. Johnson. 167,463, Aug. 12.
Shelter, Bomb. J. Feld. 167,565, Aug. 26.
Shield, Glare. H. F. George. 165,647, Jan. 8.

Shingle, Metal. R. H. Langville. 166,761, May 13.
Shingle roof or the like. R. S. Nettles. 167,474, Aug. 12.
Ship. W. Wiggins, Jr. 167,730, Sept. 9.
Shirt. W. J. Buford. 166,797, May 20.
Shirt and collar protector, Combined. H. A. Tomarin. 166,643–4, Apr. 29.
Shirt, Sport. J. D. McDonald. 166,092, Mar. 4.
Shoe. A. Atlas. 168,435, Dec. 23.
Shoe. F. L. Ayers. 166,519–20, Apr. 22.
Shoe. S. E. Bishop and N. J. Lissak. 166,063, Mar. 4.
Shoe. R. E. Frederick. 165,971, Feb. 19.
Shoe. J. S. MacKinnon. 167,579, Aug. 26.
Shoe. H. C. Otterberg and C. H. Jones, Jr. 168,181, Nov. 11.
Shoe. S. Troy. 166,136, Mar. 11.
Shoe, Baby. A. Carver. 166,733, May 13.
Shoe, Infant's. R. G. Hildebrand. 167,834, Sept. 30.
Shoe or similar article. W. Braun. 166,024, Feb. 26.
Shoe or similar article. F. J. Diamant. 167,500–5, Aug. 19.
Shoe or similar article. R. Maling. 166,090, Mar. 4.
Shoe or similar article. J. Sandler. 166,824–5, May 20.
Shoe or similar article. H. Turiansky. 168,076–80, Oct. 28.
Shoe or similar article, Lady's. A. Perugia. 166,867–8, May 27.
Shoe or the like. C. Wolfelt. 166,436, Apr. 8.
Shoe or the like, Play. C. R. Stern. 166,424, Apr. 8.
Shoehorn and comb, Combined. K. P. Janoff. 166,315, Apr. 1.
Shoe, Woman's. O. F. Stock. 166,890, May 27.
Shorts. T. B. Terry. 166,363, Apr. 1.
Shorts or similar article, Men's. S. H. Brenner. 165,902, Feb. 12.
Shoulder bag. C. Stark. 167,913, Oct. 7.
Shovel or similar article, Cultivator. L. A. Demorest. 168,148, Nov. 11.
Showcase. D. Chapman. 166,799, May 20.
Shower head clamp. R. Watson. 168,385, Dec. 9.
Sign, Advertising. W. G. Terry. 166,641, Apr. 29.
Sign, Advertising. W. G. Terry. 168,384, Dec. 9.
Signboard, Outdoor. C. H. Davis. 168,438, Dec. 23.
Sign, Highway warning. G. K. Phillippi. 166,923, June 3.
Sign, House. O. J. Ernst, Jr. 167,507, Aug. 19.
Sign, Illuminable. F. Kasputis. 166,396, Apr. 8.
Sign, Illuminable. J. Morgan. 166,335, Apr. 1.
Sign, Illuminable house. S. Helfenbein. 166,392, Apr. 8.
Sign, Neon advertising. R. R. Mainini, Jr. 166,266, Mar. 25.
Sign or the like, Automobile. P. H. Wasmund. 168,489, Dec. 23.
Sign, Portable illuminable direction. S. G. Costas. 166,800, May 20.
Signal, Traffic light. D. B. Hughes. 168,403, Dec. 16.
Signal, Warning. M. C. Pierce. 165,720, Jan. 22.
Skating shoe muff. E. Paster. 166,707, May 6.
Skirt. M. W. Fuhr and G. T. Salazar. 167,109, July 8.
Sled, Hand. L. Vavrik. 167,546, Aug. 19.
Sleet scraper. C. B. Woofter. 168,248, Nov. 18.
Slicing and storing device, Combined. C. W. Paul. 166,619, Apr. 29.
Slide viewer. M. S. Wolk. 167,874, Sept. 30.
Slingshot. H. D. McColl. 166,403, Apr. 8.
Slingshot or similar article. W. H. H. Griffin. 167,260, July 15.
Slipper. G. Cohn. 165,962–3, Feb. 19.
Slipper. D. L. Fenlason. 166,459, Apr. 15.
Slipper. I. Garon. 167,201, July 8.
Slipper. M. S. Silver. 166,278, Mar. 25.
Slipper and sock, Combined. L. M. Spack. 166,053, Feb. 26.
Slipper or similar article. P. D. Ney. 167,159, July 1.
Slipper or similar article. H. Schlosberg. 167,487, Aug. 12.
Slipper or similar article, Bedroom. R. Alpert. 166,789, May 20.
Slipper or the like. N. B. Golovin. 166,747, May 13.
Slipper sock. J. H. Bodorff. 166,240, Mar. 25.
Smoker's accessory. D. J. O'Connor. 167,646, Sept. 2.
Smoker's accessory. E. L. White. 166,369, Apr. 1.
Snowshoe. F. T. Paden. 166,120–1, Mar. 11.
Sock, Lady's. H. E. Crawford. 165,910, Feb. 12.
Sock, Man's. R. A. Torgersen. 166,232–3, Mar. 18.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 165,792–6, Jan. 29.
Sofa. J. P. Cleese, Jr. 168,498, Dec. 30.
Sofa. H. W. Maurer. 168,059, Oct. 28.
Sofa bed. F. Wilson. 168,082, Oct. 28.
Sofa or similar article. P. Tuttle. 167,124, June 24.
Soldering iron, Electric. W. A. Kuehl. 167,266, July 15.
Sole for a boot or similar article. S. Kaplan. 166,472, Apr. 15.
Sole for footwear, Rubber. A. C. Fellman. 166,742, May 13.
Solution tank for rug shampoo machines or the like, Portable. W. E. Holt. 168,225, Nov. 18.
Soup skimmer. W. C. Denhof. 167,678, Sept. 9.
Souvenir token. C. Freiberger. 167,309, July 22.
Spandrel panel. R. W. Haman, A. B. Girardy, and D. W. Doman. 165,977–8, Feb. 19.
Spark plug testing device. H. H. Vogel and L. R. Lents. 168,324, Dec. 2.
Spectacle frame. A. Havas. 168,263, Nov. 25.
Spectacle frame or similar article. V. Errico, H. Berman, and D. Lofrese. 166,955, June 10.
Spectacle frame or the like. J. W. Curry. 166,027, Feb. 26.
Spectacle frame ornament or similar article. H. Weissman. 166,781, May 13.
Spectacle frame ornament or similar article. H. Weissman. 167,383, July 29.
Spectacle front. A. B. Belgard. 165,569, Jan. 1.
Spectacle front. H. Berman, V. Errico, and D. Lofrese. 167,299, July 22.
Spectacle front. S. Ish-Shalom. 168,097, Nov. 4.
Spectacle front. L. Jacobson. 168,156, Nov. 11.
Spectacle front. H. Weissman. 166,286–8, Mar. 25.
Spindle nose collet chuck. P. Muller-Munk. 167,473, Aug. 12.
Sponge, Reservoir. P. M. Cullison. 167,620, Sept. 2.
Spoon. C. J. Lind. 166,327, Apr. 1.
Spoon. H. Reichl. 167,541, Aug. 19.
Spoon. W. Ruser. 168,522, Dec. 30.
Spoon and fork, Combined relish. L. S. Madda. 166,694, May 6.
Spoon, Child's feeding. F. H. Carré. 166,444, Apr. 15.
Spoon, Dressing and basting. J. J. and E. G. Melich. 167,467, Aug. 12.
Spoon, Infant feeding. J. de Hymel. 168,021, Oct. 28.
Spoon, Infant's. N. C. Eue. 167,623, Sept. 2.
Spoon, Measuring. R. E. McFarland. 167,580, Aug. 26.
Spoon or other article of flatware. E. J. Conroy. 167,970, Oct. 21.
Spoon or other article of flatware. R. L. Doerfler. 166,246, Mar. 25.
Spoon or other article of flatware. R. L. Doerfler. 166,302, Apr. 1.
Spoon or other article of tableware. H. K. Mottua. 167,471, Aug. 12.
Spoon or similar article. G. N. Allen, M. P. Fleming, and L. E. Ressegger. 166,237, Mar. 25.
Spoon or similar article. A. A. Eisenberg. 168,151, Nov. 11.
Spoon or similar article. A. J. Germain. 166,960, June 10.
Spoon or similar article. W. Lafferty. 166,982, June 10.
Spoon or similar article. I. A. Lipman. 166,763, May 13.
Spoon or similar article. C. J. Nevelson. 166,407, Apr. 8.
Spoon or similar article. F. Wagner. 165,950–1, Feb. 12.
Spoon or similar article. F. Wagner. 167,664, Sept. 2.
Spoon or similar article. W. S. Warren. 167,012–13, June 10.
Spoon or similar article. W. S. Warren. 167,728, Sept. 9.
Spoon or similar article of flatware. E. J. Cassidy. 168,141, Nov. 11.
Spoon or similar article of flatware. M. Weeber. 168,199, Nov. 11.
Spoon or the like. N. J. Mercer. 166,405, Apr. 8.
Spoon or the like. N. J. Mercer. 167,705, Sept. 9.
Spoon, Stirring. E. L. H. Cosby. 168,335, Dec. 9.
Spoon, Utility. C. A. Laughlin. 167,088, June 24.
Spotlight and bracket, Combined portable. J. and E. Morgenstern. 168,469, Dec. 23.
Spotlight, Hand. J. Fischer. 166,743–4, May 13.
Spot welder. C. Eisler. 166,303, Apr. 1.
Spray and polishing head or similar article. A. E. Hanson. 165,837, Feb. 5.
Sprayer. K. E. S. Andersson-Sason and T. Brimberg. 168,137, Nov. 11.
Sprinkler. R. H. Ficken. 167,307, July 22.
Sprinkler, Clothes. N. Jacobs. 168,035, Oct. 28.
Sprinkler, Lawn. H. S. Ingham and C. K. Wilson. 165,756, Jan. 29.
Stacking member or similar article. J. Greben. 166,159, Mar. 11.
Stand, Adjustable reading. F. J. Luketa. 166,089, Mar. 4.
Stand and index, Combination telephone. E. L. Mayo. 167,523, Aug. 19.
Stand, Check. S. S. Robaloff. 167,423–4, Aug. 5.
Stand, China. N. Rubin. 166,102, Mar. 4.
Stand, Display. H. M. Cohn. 167,927, Oct. 14.
Stand, Display. H. P. Glass. 165,974, Feb. 19.
Stand, Ironer. A. T. Shott. 167,119, June 24.
Stand, Multiple burner grill. F. Press. 166,410, Apr. 8.
Stand or similar article, Dish. L. Goldman. 165,579, Jan. 1.
Stand or similar article, Music. B. J. Flood and C. D. Welshenbach. 166,033, Feb. 26.
Stand or similar article, Smoker's. W. C. Panzer. 165,781, Jan. 29.
Stand or similar article, Television. R. Rasmussen. 166,998, June 10.
Stand or similar article, Valet. H. Cohen. 166,658, May 6.
Standard for floor lamps. E. Schwarz. 168,280, Nov. 25.
Standard for motion-picture projectors or the like. P. Muller-Munk. 166,988, June 10.
Staple driver or similar article. H. W. Marano. 166,206, Mar. 18.
Stapling hammer or similar article. H. W. Marano. 168,517, Dec. 30.
Stapling hammer or the like. W. R. Beckman and C. E. Crooks. 166,944, June 10.
Starting pulley and blower for a gasoline engine, Combined. W. H. Phelps. 167,769, Sept. 16.

Steering wheel, Automobile. M. F. Baldwin. 167,604, Sept. 2.
Stein. C. C. Smith. 167,545, Aug. 19.
Stereoscopic viewer. H. J. Collins. 166,906–7, June 3.
Stocking. J. A. Beck. 166,943, June 10.
Stocking. P. Berusch. 165,627, Jan. 8.
Stocking. H. Berusch. 168,086, Nov. 4.
Stocking. G. Clauss. 167,444, Aug. 12.
Stocking. P. S. Curry. 168,145, Nov. 11.
Stocking. M. Fisher and F. L. Ireland. 166,074, Mar. 4.
Stocking. M. Fisher and F. L. Ireland. 166,598, Apr. 29.
Stocking. M. Fisher and F. L. Ireland. 167,682–4, Sept. 9.
Stocking. R. Friedrich, Jr. 167,141, July 1.
Stocking. C. D. Goff. 165,748–9, Jan. 29.
Stocking. H. N. Goodman. 165,975, Feb. 19.
Stocking. H. N. Goodman. 168,153, Nov. 11.
Stocking. A. E. Ischinger. 166,162–5, Mar. 11.
Stocking. A. E. Ischinger. 167,350–5, July 29.
Stocking. A. E. Ischinger. 168,452–3, Dec. 23.
Stocking. J. D. Isley. 167,095, Sept. 9.
Stocking. M. Junghans. 166,471, Apr. 15.
Stocking. W. M. Langer. 166,264, Mar. 25.
Stocking. H. G. Linder. 166,985, June 10.
Stocking. C. W. Livingston. 167,639–41, Sept. 2.
Stocking. J. E Melker. 166,095, Mar. 4.
Stocking. J. Miran. 165,694–6, Jan. 15.
Stocking. J. Miran. 165,994–5, Feb. 19.
Stocking. J. Miran. 168,104, Nov. 4.
Stocking. I. Rabinowitz. 165,936, Feb. 12.
Stocking. I. Rabinowitz. 166,712–13, May 6.
Stocking. I. Rabinowitz. 167,952, Oct. 14.
Stocking. I. Rabinowitz. 168,520, Dec. 30.
Stocking. F. C. Rosen. 166,101, Mar. 4.
Stocking. F. C. Rosen. 166,412–14, Apr. 8.
Stocking. S. D. Sanson. 167,004, June 10.
Stocking. S. Savitz. 168,072, Oct. 28.
Stocking. R. E. Schletter. 167,774, Sept. 16.
Stocking. J. M. Schneider. 165,938–9, Feb. 12.
Stocking. C. A. Scott. 168,073, Oct. 28.
Stocking. O. A. Seuy. 166,828, May 20.
Stocking. S. Sell. 166,131, Mar. 11.
Stocking. G. W. Senior. 166,638–9, Apr. 29.
Stocking. G. W. Smith. 167,910, Oct. 7.
Stocking. H. Spiller. 166,720, May 6.
Stocking. I. Stillman. 166,280–1, Mar. 25.
Stocking. I. Stillman. 167,236, July 8.
Stocking. I. Stillman. 167,288, July 15.
Stocking. H. M. Suess. 166,721, May 6.
Stocking. H. M. Suess. 167,237–8, July 8.
Stocking. G. C. Talt. 165,800–1, Jan. 29.
Stocking. K. Zabel. 167,244, July 8.
Stocking. L. W. Zylberberg. 167,017, June 10.
Stocking examination and repair form. E. W. Boedeker. 167,019, June 17.
Stocking examination and repair form. E. W. Boedeker. 167,332, July 29.
Stocking, Gift. A. E. Mohr. 167,842, Sept. 30.
Stocking, Lady's. A. L. Chilson. 167,969, Oct. 21.
Stocking, Lady's. K. W. Dippmann. 167,621, Sept. 2.
Stocking, Lady's. K. W. Dippmann. 168,089, Nov. 4.
Stocking, Lady's. E. A. Drechsel. 167,306, July 22.
Stocking, Lady's. M. J. Gordon. 167,511, Aug. 19.
Stocking, Lady's. N. Judson. 166,197–8, Mar. 18.
Stocking, Lady's. N. Judson. 167,634, Sept. 2.
Stocking, Lady's. O. E. Kuehnert. 165,768, Jan. 29.
Stocking, Lady's. C. W. Livingston. 168,414, Dec. 16.
Stocking, Lady's. E. A. Maye and W. M. Powell. 166,479, Apr. 15.
Stocking, Lady's. A. Miller. 165,660, Jan. 8.
Stocking, Lady's. J. J. Moore. 167,764, Sept. 16.
Stocking, Lady's. W. Mueller. 165,697, Jan. 15.
Stocking, Lady's. W. Mueller. 166,269–70, Mar. 25.
Stocking, Lady's. W. Mueller. 166,483, Apr. 15.
Stocking, Lady's. W. Mueller. 166,818–19, May 20.
Stocking, Lady's. W. Mueller. 167,805–6, Sept. 23.
Stocking, Lady's. W. Mueller. 167,843–4, Sept. 30.
Stocking, Lady's. R. W. Nordman. 166,271, Mar. 25.
Stocking, Lady's. A. L. Patterson, Sr. 167,768, Sept. 16.
Stocking, Lady's. L. Poole. 165,999, Feb. 19.
Stocking, Lady's. F. K. Rosen. 167,001, June 10.
Stocking, Lady's. O. E. Schletter. 167,813, Sept. 23.
Stocking, Lady's. R. E. Schletter. 166,104, Mar. 4.
Stocking, Lady's. R. E. Schletter. 166,885, May 27.
Stocking, Lady's. R. E. Schletter. 167,321–3, July 22.
Stocking, Lady's. D. H. Setzer. 168,194, Nov. 11.
Stocking, Lady's. V. J. Voss. 165,674, Jan. 8.
Stocking, Lady's. A. Wilcher. 167,786, Sept. 16.
Stocking, Lady's. A. E. Wolf. 166,727–8, May 6.
Stocking, Lady's ornamented. E. Troy. 166,778–9, May 13.
Stocking, Lady's ornamented. E. Troy. 167,290, July 15.
Stocking, Lady's ornamented. E. Troy. 167,817, Sept. 23.
Stocking, Woman's. H. Meadows. 168,468, Dec. 23.
Stole. E. Kairalla. 167,406, Aug. 5.
Stool. A. Sachs. 168,001, Oct. 21.
Stool. P. Tuttle. 167,125, June 24.
Stool, Step. B. F. Hamilton. 166,078, Mar. 4.
Stopper, Bottle. A. R. Kaufer. 167,086, June 24.
Stopper, Bottle. H. Robinson. 168,190, Nov. 11.
Stopper for a bottle, Dispenser. A. L. Voight. 166,835, May 20.
Stopper for bottles, Dispensing. A. L. Voight. 167,916, Oct. 7.
Store front. F. E. Stuhr. 167,870, Sept. 30.
Strainer for a surface drain. J. H. Schmid. 167,285, July 15.
Strapless breast support or similar article. H. J. Dubner. 167,394, Aug. 5.
Stroller. J. Abahazi, Jr. 165,730, Jan. 29.
Suction cleaner. P. W. Cherry and C. N. Johnson. 165,636, Jan. 8.
Suction cleaner handle fitting and hose connection, Combined. C. N. Johnson. 165,653, Jan. 8.
Suction cleaner nozzle. L. J. Faith-Ell and T. E. Lindahl. 168,256, Nov. 25.
Suction cleaner or similar article. P. W. Cherry. 166,593–4, Apr. 29.
Suit, Play. T. Leser. 165,990, Feb. 19.
Suit, Protective. T. A. Bridges. 166,904, June 3.
Sunglass frame or the like. J. C. Foster. 166,151–3, Mar. 11.
Sunglasses, Foldable. M. Rand. 165,721, Jan. 22.
Support and draft apparatus for a side delivery rake. J. Enos, Jr. 166,596, Apr. 29.
Support for a container or the like. E. L. Coble. 168,333, Dec. 9.
Supporting structure for an overhead two-lane trackway. A. C. Houghtelling. 167,515, Aug. 19.
Suspender belt, Lady's. H. H. Thorne. 168,075, Oct. 28.
Sweater. B. D. Gordon. 165,713, Jan. 22.
Swimming trunks. A. O. Wupperman. 165,812, Jan. 29.
Swing. J. S. Dichesare. 168,439, Dec. 23.
Swing. R. G. Low. 165,593, Jan. 1.
Swing joint. D. C. Warren. 166,652, Apr. 29.
Swing seat and supports therefor, Combined. F. York. 168,012, Oct. 21.
Switch escutcheon. L. T. Bordner. 167,333, July 29.
Switch plate and thermometer plate, Combined. J. C. Hughes. 167,897, Oct. 7.
Syringe, Disposable. H. G. Willis. 167,127, June 24.
Table. M. D. Buell. 167,195, July 8.
Table. W. J. Carr. 167,739, Sept. 16.
Table. P. C. Curtis. 166,300, Apr. 1.
Table. P. C. Curtis. 166,377, Apr. 8.
Table. G. P. Fuentes. 167,509, Aug. 19.
Table. C. C. Shinn. 166,360, Apr. 1.
Table and chair combination. E. W. Long. 168,516, Dec. 30.
Table and seat unit. J. W. Watson. 166,725, May 6.
Table and television picture projection unit, Combination. M. Teuber. 168,004, Oct. 21.
Table base, Gateleg. A. Sachs. 166,227, Mar. 18.
Table base or similar article, Reversible. C. C. Shinn. 166,830, May 20.
Tablecloth. F. P. Castorani. 166,374, Apr. 8.
Tablecloth. H. D. Hooven. 165,843–4, Feb. 5.
Tablecloth. H. D. Hooven. 166,467–70, Apr. 15.
Tablecloth. F. P. Otto. 168,113–16, Nov. 4.
Tablecloth. T. Waldman. 168,132, Nov. 4.
Tablecloth. W. Wolf. 166,110, Mar. 4.
Tablecloth. W. Wolf. 166,435, Apr. 8.
Tablecloth. W. Wolf. 168,006, Oct. 21.
Tablecloth, Lace. N. S. Wallace. 168,487, Dec. 23.
Tablecloth or similar article. N. Shalom. 166,500–02, Apr. 15.
Table, Dressing. I. Lazarus. 166,612, Apr. 29.
Table, Extension. J. Petrone. 166,620, Apr. 29.
Table, Folding tray. R. Wright. 168,430, Dec. 16.
Table frame. C. P. Molla. 168,167, Nov. 11.
Table frame, Cocktail. L. Grundy. 166,666, May 6.
Table frame, Octagon. L. Gruudy. 166,667, May 6.
Table, Game. I. G. E. Homan. 167,146, July 1.
Table mat, Embossed plastic. T. J. Gressitt. 166,389, Apr. 8.
Table mat, Plastic. M. Rodier. 165,722, Jan. 22.
Table, Multipurpose. H. M. Thompson. 166,580, Apr. 22.
Table or similar article. E. H. Johnson. 165,584, Jan. 1.
Table or similar article. W. B. Petzold. 166,338, Apr. 1.
Table or similar article. W. B. Petzold. 168,419, Dec. 16.
Table, Patio. R. E. Currie and H. F. Anderson. 165,710, Jan. 22.
Table, Picnic. G. Offutt and W. Daum. 165,777, Jan. 29.
Table, Portable lawn. R. M. Rink. 166,048, Feb. 26.
Tablespoon or similar article. J. D. L. Bermudez. 168,016, Oct. 28.
Table stand or similar article. H. D. Cole. 166,528, Apr. 22.
Table, Swivel. R. Dorr, Jr. 165,829, Feb. 5.
Table unit. R. H. Ovendale. 166,991, June 10.
Tank truck body. C. Hoppel. 166,670, May 6.
Tank unit, Gas storage. J. P. Beaird. 166,584, Apr. 29.
Tape-dispensing machine. A. P. Krueger. 166,083–4, Mar. 4.
Tape, Measuring. S. Blum. 168,329, Dec. 9.
Tea pot. R. G. Cowan. 165,828, Feb. 5.
Teapot or similar article. S. H. Hartman. 166,603, Apr. 29.
Teapot or similar article. C. H. Newman. 167,645, Sept. 2.
Telephone attachment, Lapsed time. G. B. Miller. 166,043, Feb. 26.
Telephone call timer unit. R. A. Miller. 165,595, Jan. 1.
Telephone rest. J. C. S. Branson. 167,674, Sept. 9.

Telephone stand and memorandum holder, Combination. A. Moore. 167,708, Sept. 9.
Telephone tray, lamp, and memorandum pad, Combination. J. P. Whitaker. 167,784–5, Sept. 16.
Telescopic smörgåsbord tray. C. A. Laughlin. 168,230, Nov. 18.
Televiewing floor rest. J. P. Argento. 167,666, Sept. 9.
Television cabinet control panel. S. E. Adler. 166,787, May 20.
Television chair and table unit, Combination. R. Hall. 168,446, Dec. 23.
Television projection unit. V. Trad. 167,239, July 8.
Television, radio-phonograph, and beverage cabinet, Combination. S. E. Adler. 165,955, Feb. 19.
Television reminder. G. D. Thornton. 166,364, Apr. 1.
Television tube body. F. M. Lambert. 167,698–9, Sept. 9.
Template, Draftsman's. G. W. Kintz. 167,043, June 17.
Temple for spectacles or the like. E. M. Splaine. 166,578, Apr. 22.
Ten-sided die. D. Reader. 167,852, Sept. 30.
Textile fabric or the like, Narrow. S. L. Oppenheimer. 167,996, Oct. 21.
Textile piece, Shaped. H. M. Goldman. 167,978, Oct. 21.
Therapeutic machine. F. Harrison. 168,447, Dec. 23.
Thermometer. R. J. Melville. 166,766, May 13.
Thermometer, Mercury actuated adjustable dial type. C. P. Mitchell and C. C. Bernitt. 168,105, Nov. 4.
Thermostat housing. J. J. Hughes, Jr. 166,538, Apr. 22.
Tie, Bow. J. Melville. 166,115, Mar. 11.
Tie clasp. R. Loewy. 167,904, Oct. 7.
Tie display and shirt collar shaper, Combined bow. L. P. Lerner. 167,839, Sept. 30.
Tile. E. Hambuechen. 167,311, July 22.
Tile. E. Hambuechen. 167,402, Aug. 5.
Tile, Acoustic. T. Prisland. 167,422, Aug. 5.
Tile block. R. J. Galvin. 167,032, June 17.
Timetable, Television. W. L. Garrett, Jr. 166,154, Mar. 11.
Timer. E. B. Gaylord. 166,745, May 13.
Timer, Interval. F. Lux and H. D. Beerbaum. 166,764, May 13.
Tire. G. O. Beckman. 168,494, Dec. 30.
Tire. W. F. Billingsley. 166,522, Apr. 22.
Tire. H. W. Delzell. 168,022, Oct. 28.
Tire. P. E. Hawkinson. 168,030, Oct. 28.
Tire. P. E. Hawkinson. 168,347, Dec. 9.
Tire. P. E. Hawkinson. 168,504, Dec. 30.
Tire. J. W. Martin. 168,364, Dec. 9.
Tire. T. J. Thaden. 167,881, July 29.
Tire, Pneumatic. A. H. Steadman. 167,779, Sept. 16.
Toaster. D. C. Pulliam. 167,908, Oct. 7.
Toaster, Sandwich. H. Schwartz. 165,611, Jan. 1.
Tobacco pouch and lighter, Combined. R. P. Huesman. 167,572, Aug. 26.
Toilet case or the like. J. P. Donahue and E. K. Lotthammer. 167,029, June 17.
Toilet paper roll cover. H. D. McLellan and S. M. Boss. 166,617, Apr. 29.
Toll station or similar article. B. Cooper and S. A. Kroll. 168,144, Nov. 11.
Tongs, Egg. P. L. Jones. 165,689, Jan. 15.
Tongs, Kitchen. D. A. Reiner. 165,869, Feb. 5.
Tongs, Serving. M. T. David. 168,289, Dec. 2.
Tool, Combination hunter's utility. W. A. Uttz. 165,949, Feb. 12.
Tool, Combined garden cultivating and measuring. J. J. and E. G. Melich. 166,332, Apr. 1.
Tool, Cutting. H. G. Herold. 166,394, Apr. 8.
Tool, Garden. E. J. Kilgore. 166,808, May 20.
Tool, Surface cleaning. J. J. Falls. 166,304–5, Apr. 1.
Tool unit, Pneumatic. R. E. Doeden. 168,215, Nov. 18.
Tool unit, Power. R. E. Doeden. 167,826, Sept. 30.
Toothbrush or similar article. A. E. Strock. 166,427, Apr. 8.
Toothbrush, toothpaste, and eyeglass pocket bracket. M. A. Block. 166,143, Mar. 11.
Toothpick assembly, Detachable. G. E. Millard. 165,775, Jan. 29.
Top and backsplasher unit for electric range. L. Guild and F. W. Perl. 166,390, Apr. 8.
Towel bar. M. Hallward. 167,892, Oct. 7.
Tower scale front panel. G. W. Tammen. 165,615, Jan. 1.
Toy airplane. J. A. Calhoun. 168,497, Dec. 30.
Toy animal figure. H. Wolcott. 168,247, Nov. 18.
Toy animal figure or the like. A. H. Bergler. 168,015, Oct. 28.
Toy antiaircraft gun. J. De Cicco. 166,379, Apr. 8.
Toy automobile. R. I. Genin and G. E. Stahl. 167,887–9, Oct. 7.
Toy balloon. W. A. Ingram. 168,451, Dec. 23.
Toy, Bandalore. G. F. Scott. 167,723, Sept. 9.
Toy bow gun or similar article. D. H. Stevens. 166,831, May 20.
Toy catapult. J. A. Riordan. 166,714, May 6.
Toy chair, cradle, and table, Combination. C. A. Nash. 166,484, Apr. 15.
Toy clock. H. D. Berman. 166,239, Mar. 25.
Toy cow. N. Hollis. 166,395, Apr. 8.
Toy cradle. C. Arliss. 167,295, July 22.
Toy crossbow. P. W. White. 166,139, Mar. 11.
Toy disk gun. R. W. Clauss. 166,738, May 13.
Toy, Diver. B. C. Reed and E. Nudelman. 167,540, Aug. 19.
Toy dog. F. J. Schippert. 168,126, Nov. 4.
Toy dog or the like. W. P. Doe. 167,929, Oct. 14.
Toy, Educational. J. D. Biever. 166,791, May 20.
Toy elevator. L. A. Baumann. 167,552, Aug. 26.
Toy figure. J. M. Auzin. 166,016, Feb. 26.
Toy figure, Animal. G. Van Tuyl. 165,616, Jan. 1.
Toy figure, Animated. A. Kent. 166,321, Apr. 1.
Toy figure for a construction game or the like, Separable. W. H. Schaper. 167,006, June 10.
Toy, Figure trundle. H. G. Fisher, W. P. Doe, and L. W. Sly. 167,934, Oct. 14.
Toy fire truck. L. W. Sly, H. G. Fisher, R. W. Crawford, and W. P. Doe. 166,003, Feb. 19.
Toy, Flying. H. Benson. 166,440, Apr. 15.
Toy gun. L. Marx. 167,642, Sept. 2.
Toy gun. W. B. Sewell. 167,429, Aug. 5.
Toy holster and belt set, Combined. A. L. Kinskie. 166,758, May 13.
Toy horn. J. Thompson. 165,946, Feb. 12.
Toy horse. R. H. Wendt. 166,582, Apr. 22.
Toy, Inflatable water. E. Harrowe. 167,078, June 24.
Toy, Inflated. S. Harrison. 165,649, Jan. 8.
Toy merry-go-round. E. R. Neyhard. 167,221, July 8.
Toy or the like, Blowout. D. Kaye and E. Dukoff. 166,807, May 20.
Toy or the like, Pop-up figure. J. M. Auzin. 168,250, Nov. 25.
Toy paint set. M. R. Berman. 167,386, Aug. 5.
Toy pistol. M. Eigen. 167,396, Aug. 5.
Toy, Pull. A. T. Porter. 167,807, Sept. 23.
Toy rabbit, Stuffed. T. Bonafide. 166,845, May 27.
Toy railroad station. R. L. Butzko. 166,071, Mar. 4.
Toy, Santa Claus windmill. C. F. Baumann and V. Schultz. 165,957, Feb. 19.
Toy savings bank. G. Fleixner. 165,682, Jan. 15.
Toy siren or the like. C. Rosini. 167,482, Aug. 12.
Toy, Spinning. J. Heim. 165,752, Jan. 29.
Toy stove or similar article. M. Page. 165,605, Jan. 1.
Toy television camera and radar scope. W. T. Woodson and R. Gallagher. 167,293, July 15.
Toy, Trundle. R. W. Crawford. 168,396, Dec. 16.
Toy, Trundle. R. W. Crawford and H. G. Fisher. 168,336, Dec. 9.
Toy, Trundle. H. G. Fisher, L. W. Sly, and W. P. Doe. 167,975, Oct. 21.
Toy vacuum cleaner. A. L. Atkins. 166,140, Mar. 11.
Toy vehicle, Educational. K. E. Moyer. 167,525, Aug. 19.
Toy, Walking. L. J. Campbell. 165,903–6, Feb. 12.
Toy, Wheeled balancing. J. Fryer and C. Fitzgerald. 165,576, Jan. 1.
Toy whistle. L. J. Sofro. 165,614, Jan. 1.
Tractor seat. D. G. Zank and N. J. Harvey. 166,838, May 20.
Traffic sign device. A. O. Wittreich. 166,726, May 6.
Trail mower. G. B. Hill and M. J. Happe. 167,798, Sept. 23.
Trailer. C. H. Becker. 166,844, May 27.
Trailer. D. G. Hadges. 166,191, Mar. 18.
Trailer coach. H. L. Spencer. 167,007, June 10.
Trailer door fastener. G. M. Grindstad. 167,938, Oct. 14.
Train, Miniature. J. P. Ruth. 167,589, Aug. 26.
Transfer material or the like. J. Plant. 166,273–4, Mar. 25.
Transit level, Builder's. W. F. Sprengnether, Jr. 166,506, Apr. 15.
Transmission line armor rod end clamp. S. Warnock. 167,063, June 17.
Transparent capsule and tablet pocket carrier. L. S. Mytinger. 165,856, Feb. 5.
Tray. M. A. Mandelko. 167,269, July 15.
Tray. J. A. Potchen. 166,356, Apr. 1.
Tray and cup or similar article, Combined. J. B. Alper. 168,327, Dec. 9.
Tray and tissue paper container, Combination jewelry display. C. Weissman. 165,890, Feb. 5.
Tray, Ash. O. Bergman. 167,554, Aug. 26.
Tray, Automobile serving. W. G. Sheets. 165,667, Jan. 8.
Tray, Bird feed. B. Yellin. 167,788, Sept. 16.
Tray, Child's compartmented dining. J. N. Ashway. 167,735, Sept. 16.
Tray, Cigarette service. G. L. Phillips and L. E. Terry. 167,100, June 24.
Tray, Collecting. A. Alba. 167,732, Sept. 16.
Tray, Combination food and food containers holding. F. X. and J. E. Dyer. 165,640, Jan. 8.
Tray, Cracker. C. O. Bliss. 165,819, Feb. 5.
Tray, Foldable food. R. B. Karoff. 166,605, Apr. 29.
Tray for a wrapped fruit container. J. E. Murphy and M. Schnall. 168,470, Dec. 23.
Tray for a wrapped tomato container. J. E. Murphy and M. Schnall. 167,417, Aug. 5.
Tray for automobiles, Serving. J. E. Ferguson. 167,974, Oct. 21.
Tray for equipment for making blood tests, Carrying. M. Roberts. 168,277, Nov. 25.
Tray for holding rubber stamps or the like and support therefor, Combined. B. B. Cannon. 168,140, Nov. 11.
Tray for posting machines or the like. J. H. Davis and W. L. Berkman. 167,393, Aug. 5.
Tray, Hospital. L. E. Chandler. 166,734, May 13.
Tray or similar article. R. L. Gruen. 167,204–6, July 8.
Tray, Paperboard. L. C. Pennebaker. 167,095, June 24.
Tray, Serving. L. M. Schnitzer. 166,826, May 20.

Tray, Serving. T. H. Simpson. 167,957, Oct. 14.
Tricycle. S. Steranosak. 167,780, Sept. 16.
Tricycle, Child's. D. D. Beale. 167,822, Sept. 30.
Tricycle, Child's. G. E. Lines. 167,090, June 24.
Tricycle, Child's. W. Lines. 166,692, May 6.
Trolling device. O. D. Harris. 165,581, Jan. 1.
Trolling device. O. D. Harris. 168,399, Dec. 16.
Trophy base. R. E. Dodge. 166,740, May 13.
Trophy base. D. R. Fosler and R. Hansen. 166,854, May 27.
Trophy base. D. R. Fosler and R. Hansen. 167,343–4, July 29.
Trousers or similar article. W. B. Murphy. 167,048, June 17.
Truck body, Bakery type. W. O. Ford. 167,399, Aug. 5.
Truck, Hand. W. E. Summerhill. 166,005, Feb. 19.
Truck, Hand. H. H. Williams. 166,784, May 13.
Truck, Industrial. J. G. Rideout. 167,999, Oct. 21.
Tubular stripping shoe or the like. H. Simon. 166,106, Mar. 4.
Tumbler. G. Sakier. 165,875, Feb. 5.
Tumbler. G. Sakier. 167,281, July 15.
Tumbler or article of similar nature, Glass. R. W. Kell. 168,409, Dec. 16.
Tumbler or similar article. W. R. Horne. 165,755, Jan. 29.
Tumbler or similar article. Z. Jezowski. 166,858, May 27.
Tumbling machine. R. E. Bogema. 166,023, Feb. 26.
Twin bed unit. T. F. Carey. 166,732, May 13.
Type cleaning device for typewriters. P. R. Touney. 167,062, June 17.
Typewriter case or the like. A. C. Weiss. 166,654, Apr. 29.
Typewriter, Noiseless. L. V. A. Guild. 167,144, July 1.
Umbrella. F. Kramer. 165,654, Jan. 8.
Undergarment, Lady's foundation. E. A. Rockwell. 165,698, Jan. 15.
Utensil, Cooking. J. C. Hampshire. 165,917, Feb. 12.
Utensil, Cooking. W. B. Watkins. 166,780, May 13.
Utility clip for automobiles. E. R. Kolenda and V. V. Postillion. 167,944, Oct. 14.
Vacuum cleaner casing. E. P. Russell. 167,002–3, June 10.
Vacuum cleaner or similar article. L. V. A. Guild. 167,512, Aug. 19.
Valance. J. Yorkavage. 168,135, Nov. 4.
Valve or similar article. L. M. Burrows. 166,173, Mar. 18.
Vamp for a shoe or similar article. W. Usdin. 166,645–7, Apr. 29.
Vanity case. C. V. Johnson. 168,454, Dec. 23.
Vapor diffuser and ash tray, Combined. J. M. von Bergen and G. W. Meek. 168,197, Nov. 11.
Vaporizer. A. J. Huck. 167,044, June 17.
Vase. H. Conover. 166,242, Mar. 25.
Vase or similar article. H. Conover. 166,445–52, Apr. 15.
Vase or similar article. B. Kogan. 167,838, Sept. 30.
Vase or similar article. B. Kogan. 168,305, Dec. 2.
Vehicle cab. F. A. Lee. 166,041, Feb. 26.
Vehicle cab. T. Ornas, Jr. 166,705, May 6.
Vehicle, Child's. J. E. Scanland. 167,659, Sept. 2.
Vehicle door, Automotive. B. E. Flatt. 168,440, Dec. 23.
Vehicle, Fire fighting. E. J. Graef. 167,832, Sept. 30.
Vehicle hood ornament and deflector, Combination. H. A. Reichman. 166,495–6, Apr. 15.
Vehicle luggage rack lighting fixture. O. W. Rahn. 166,411, Apr. 8.
Vehicle, Railway. B. E. Jones and C. V. Norby. 168,036, Oct. 28.
Vehicle roof. J. E. Candlin, Jr. 167,968, Oct. 21.
Vehicle splash guard. A. Schwartz. 167,061, June 17.
Vehicle, Three-wheeled. M. W. Kistler. 165,690, Jan. 15.
Vehicle trim louver or similar article. C. H. Phaneuf. 167,907, Oct. 7.
Vehicle trim louver or similar article. W. E. Robinson. 165,790, Jan. 29.
Vending and display stand for hair cutters, Combination. A. N. Spanel. 166,887–8, May 27.
Vending machine. O. W. Timm and H. R. Greene. 165,802, Jan. 29.
Vending machine case, Bottled drink. C. G. Meyer. 167,841, Sept. 30.
Vending machine, Insurance policy. D. B. Wheeler. 167,182–4, July 1.
Vending machine or similar article. F. Hebel. 165,751, Jan. 29.
Vending machine, Selective merchandise. A. R. Jones. 165,760, Jan. 29.
Vending station, Combined food and beverage. C. M. Kemper. 166,320, Apr. 1.
Vending station, Combined food and beverage. L. A. Zon. 168,084, Oct. 28.
Venetian blind slat. J. L. Friedman. 168,258, Nov. 25.
Ventilator for heating and air conditioning, Ceiling. J. R. Corbett. 166,299, Apr. 1.
Ventilator head for gas pipe lines or the like. T. D. Sedberry and A. F. Davis. 167,867, Sept. 30.
Vessel, Marine. W. Wiggins, Jr. 166,513, Apr. 15.
Vessel, Reversible drinking. A. Babany. 167,667, Sept. 9.
Visor for pilots' helmets. J. A. Margwarth. 168,057, Oct. 28.
Visor for rearview mirrors and the like. A. F. Triphahn. 166,429, Apr. 8.
Visor for spectacles or similar articles. R. P. Evans. 168,024, Oct. 28.
Visor, Sun. C. E. Stow. 165,943, Feb. 12.
Waist girdle. R. D. Tys. 165,948, Feb. 12.
Wall bracket, Lighting fixture. J. W. Brooks. 166,296, Apr. 1.
Wall lighting fixture or similar article. R. S. Gregg. 168,260, Nov. 25.
Wall plaque. M. E. Goldstein. 166,183–5, Mar. 18.
Wall plaque. D. Stec. 166,889, May 27.
Wall plaque and pin-up lamp, Combined. L. Rabkin. 167,718, Sept. 9.
Wall shelf. E. M. Johnson. 168,455, Dec. 23.
Wall shelf. F. D. Schuler. 168,279, Nov. 25.
Wall shelf and planter unit, Combination. A. B. Stotter and A. J. Vaiksnoras. 166,426, Apr. 8.
Wall switch actuator. G. F. Russell. 166,881, May 27.
Wallet and purse, Combined. F. X. Hiltenbrand. 166,857, May 27.
Wallet or similar article. S. Knee. 166,258–62, Mar. 25.
Wallet or similar article. S. Knee. 167,901, Oct. 7.
Washer for hypodermic syringe or the like. W. W. Gallagher. 167,031, June 17.
Washing machine, Double. J. M. Cook, Jr. 167,445, Aug. 12.
Watch. A. Bulova. 168,209, Nov. 18.
Watch band and watchcase, Combined expansible. K. Speck. 166,719, May 6.
Watch bracelet. R. Bohnenberger. 167,250, July 15.
Watch bracelet and watch, Combined. B. Hammerman. 167,459, Aug. 12.
Watchcase. J. Granat. 166,186, Mar. 18.
Watch protector. S. Fass. 166,149, Mar. 11.
Water closet and flush tank, Combined. F. C. Alexander. 166,840, May 27.
Water closet and flush tank, Combined. F. C. Alexander. 167,130, July 1.
Water pistol. W. R. McLain. 168,314, Dec. 2.
Wax applicator. R. C. Kersh. 168,513, Dec. 30.
Weighing device. J. M. Little. 167,762, Sept. 16.
Wheelbarrow, Power-operated. H. W. Miller and R. E. Andrews. 166,817, May 20.
Wheel cover member or similar article. G. A. Lyon. 166,476, Apr. 15.
Wheel cover member or similar article. G. A. Lyon. 166,813, May 20.
Wheel cover member or similar article. G. A. Lyon. 168,056, Oct. 28.
Wheel cover member or similar article. G. A. Lyon. 168,313, Dec. 2.
Wheel cover member or similar article. G. A. Lyon. 168,415, Dec. 16
Wheel cover or similar article. G. A. Lyon. 165,657, Jan. 8.
Wheel cover or similar article. G. A. Lyon. 167,315–16, July 22.
Wheel cover or similar article. G. A. Lyon. 167,799, Sept. 23.
Wheel cover or similar article. G. A. Lyon. 168,466, Dec. 23.
Wheel, Steering. R. E. Bourke. 165,737, Jan. 29.
Wheel trim. C. A. McLeod. 167,801–2, Sept. 23.
Wheel trim or similar article, Vehicle. C. A. McLeod. 167,271, July 15.
Whistle, article container, and compass case, or the like, Combination. R. H. Boos. 167,301, July 22.
Wind deflector. H. L. Miller. 166,987, June 10.
Windshield cleaner and coin receptacle, Combined. D. Brody and S. Coleman. 166,588, Apr. 29.
Winding-key for a clock or similar article. H. Dreyfuss. 166,457, Apr. 15.
Window decorative panel or similar article. B. Yellin. 168,431–2, Dec. 16
Window decorative panel or similar article. B. Yellin. 168,490, Dec. 23.
Window for an outside door. J. C. McNally and S. F. Fuston, Jr. 166,207, Mar. 18.
Window sash freeing tool. O. J. Le Boeuf. 168,412, Dec. 16.
Window valance or similar article. V. Zakarin. 167,492, Aug. 12.
Wire recorder. B. J. Zapolski. 166,235, Mar. 18.
Woven ecclesiastical banding. A. J. Vervaet. 167,915, Oct. 7.
Wrecking bar. R. E. Lee. 167,638, Sept. 2.
Wrench having a ball handle grip, Open end. B. C. Anderson. 167,245, July 15.
Wristband, Calendar. H. S. Strouth. 165,673, Jan. 8.

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LIST OF PLANT INVENTIONS

Apple tree. A. J. Mars. 1,075, Feb. 19.
Avocado tree. M. E. Ponteprino. 1,080, Mar. 25.
Azalea plant. L. L. Brooks. 1,157–9, Dec. 23.
Camellia plant. H. P. Connell. 1,078, Mar. 11.
Camellia plant. T. Domoto. 1,074, Feb. 12.
Camellia plant. C. N. Hastie, Jr. 1,107, June 24.
Camellia plant. R. L. Wheeler. 1,137, Oct. 14.
Caryopteris plant. J. J. Grullemans. 1,091, May 6.
Chamaelaucium plant. J. G. Schilt. 1,101, June 3.
Chrysanthemum plant. E. S. Boerner. 1,106, June 17.
Chrysanthemum plant. E. S. Boerner. 1,113, July 8.
Chrysanthemum plant. E. S. Boerner. 1,129–32, Sept. 16.
Double pink lilac plant. E. J. Gardner. 1,086, Apr. 29.
Euonymus fortunei plant. C. D. Corliss. 1,073, Feb. 12.
Euonymus fortunei plant. C. D. Corliss. 1,079, Mar. 11.
Euonymus plant. C. D. Corliss. 1,112, July 8.
Evergreen tree. J. J. Pinney. 1,070, Jan. 29.
Flowering and fruiting peach tree. W. E. Lammerts. 1,093, May 6.
Fuchsia plant. M. J. Waltz. 1,110, July 1.
Gardenia plant. M. O. Ahrens. 1,072, Feb. 12.
Hybrid tea rose plant. E. G. Fisher. 1,081, Apr. 8.
Hybrid tea rose plant. F. C. Raffel. 1,071, Feb. 5.
Ivy plant. W. S. Hahn. 1,067, Jan. 15.
Ivy plant. W. S. Hahn. 1,102, June 10.
Ivy plant. K. E. Williams. 1,154, Dec. 9.
Ivy plant. K. E. and E. M. Williams. 1,082, Apr. 15.
Lilac plant. W. B. Clarke. 1,128, Sept. 16.
Nectarine plant. H. C. Swim. 1,100, May 27.
Nectarine tree. F. W. Anderson. 1,060, Jan. 1.
Nectarine tree. W. T. Kirkman. 1,096, May 13.
Ornamental and fruiting peach tree. W. E. Lammerts. 1,092, May 6.
Ornamental and fruiting peach tree. W. E. Lammerts. 1,156, Dec. 23.
Peach tree. J. M. Garabedian. 1,141, Oct. 28.
Peach tree. W. T. Kirkman. 1,147, Nov. 18.
Peach tree. G. Merrill. 1,097–9, May 20.
Peach tree. T. B. Stribling, Jr. 1,127, Sept. 9.
Peach tree. T. B. Stribling, Jr. 1,144, Nov. 11.
Peach tree. H. C. Swim. 1,150, Nov. 25.
Pear tree. A. G. Kalle. 1,095, May 13.
Pear tree. L. Vistica. 1,153, Dec. 9.
Peperomia plant. E. H. Barcafer. 1,151, Nov. 25.
Plum tree. R. S. Johnson. 1,064, Jan. 1.
Poinsettia plant. P. Ecke. 1,068, Jan. 29.
Poinsettia plant. C. H. Hunkel. 1,085, Apr. 22.
Raphiolepis plant. H. L. Marken and W. J. Marken. 1,138, Oct. 14.
Rose plant. C. M. Amling and G. Beltran. 1,126, Sept. 9.
Rose plant. J. A. Armstrong. 1,087–8, Apr. 29.
Rose plant. J. A. Armstrong. 1,104, June 10.
Rose plant. W. M. Beall. 1,116, July 22.
Rose plant. E. S. Boerner. 1,065, Jan. 15.
Rose plant. E. S. Boerner. 1,114, July 22.
Rose plant. E. S. Boerner. 1,117, Aug. 5.
Rose plant. E. S. Boerner. 1,140, Oct. 21.
Rose plant. E. S. Boerner. 1,143, Nov. 4.
Rose plant. E. S. Boerner. 1,155, Dec. 16.
Rose plant. J. D. Brownell. 1,059, Jan. 1.
Rose plant. J. D. Brownell. 1,111, July 1.
Rose plant. J. D. Brownell. 1,122, Aug. 26.
Rose plant. J. D. Brownell. 1,124. Sept. 2.
Rose plant. R. L. Byrum. 1,083, Apr. 22.
Rose plant. R. L. Byrum. 1,118, Aug. 5.
Rose plant. R. L. Byrum. 1,146, Nov. 11.
Rose plant. F. L. Caluya. 1,089–90, Apr. 29.
Rose plant. E. P. Dering. 1,076, Feb. 26.
Rose plant. S. Domilla. 1,061, Jan. 1.
Rose plant. C. G. Duehrsen. 1,062, Jan. 1.
Rose plant. C. G. Duehrsen. 1,066, Jan. 15.
Rose plant. E. G. Fisher. 1,109, June 24.
Rose plant. A. P. Howard. 1,136, Oct. 14.
Rose plant. A. P. Howard. 1,145, Nov. 11.
Rose plant. G. L. Jordan. 1,139, Oct. 21.
Rose plant. E. Marsh. 1,105, June 17.
Rose plant. F. Mellland. 1,148–9, Nov. 25.
Rose plant. W. B. Moffet. 1,094, May 6.
Rose plant. J. Parmentier. 1,142, Nov. 4.
Rose plant. S. R. Phelan. 1,152, Dec. 9.
Rose plant. S. Poulsen. 1,133, Sept. 16.
Rose plant. P. Schneeberg. 1,120, Aug. 19.
Rose plant. P. Shamburger. 1,121, Aug. 19.
Rose plant. H. C. Swim. 1,103, June 10.
Rose plant. H. C. Swim. 1,119, Aug. 12.
Rose plant. H. A. M. Verschuren. 1,115, July 22.
Rose plant. M. L. Whisler. 1,123, Aug. 26.
Rose plant. M. L. Whisler. 1,134–5, Sept. 16.
Saintpaulia or African violet plant. L. Ghio. 1,077, Mar. 11.
Rose plant. H. A. M. Verschuren. 1,115, July 22.
Shasta daisy plant. F. G. Read. 1,125, Sept. 2.
Spirea plant. H. D. Grepke. 1,069, Jan. 29.
Syringa vulgaris plant. G. Maarse. 1,108, June 24.
Walnut tree. L. B. Boellner. 1,063, Jan. 1.

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LIST OF ABSTRACTS OF APPLICATIONS ARRANGED BY INVENTIONS

Adjustable cultivator clamp. R. L. Erwin. Ser. No. 158,250, published July 8, 1952.

Alcohol compound, New. W. F. Gresham, R. E. Brooks, and W. M. Bruner. Ser. No. 758,478, published Mar. 18, 1952.

Aldol condensations. A. C. Zettlemoyer. Ser. No. 64,431, published Oct. 14, 1952.

Aliphatic ethers of 4,4'-dihydroxydibutyl ether. K. Alexander and L. E. Schniepp. Ser. No. 83,531, published Mar. 18, 1952.

Altering the electrical characteristics of semiconductors. K. Lark-Horovitz and S. Siegel. Ser. No. 64,034, published June 10, 1952.

Amplifier, High impedance. E. T. Burton. Ser. No. 120,667, published Nov. 18, 1952.

Amplifier, Neutralized semiconductor. L. E. Barton. Ser. No. 78,268, published Oct. 28, 1952.

Amplifier neutralizing, High-frequency. H. P. Thomas. Ser. No. 33,977, published July 8, 1952.

Amplifier system. J. W. Downie. Ser. No. 221,060, published Oct. 14, 1952.

Amplifier system, Low impedance servo. H. J. Schlafly. Ser. No. 73,291, published Dec. 23, 1952.

Amplifiers, Stabilized low frequency multistage electronic. L. W. Bailey. Ser. No. 36,083, published Feb. 5, 1952.

Amplifiers, Three-electrode semiconductor. L. E. Barton. Ser. No. 68,248, published Aug. 5, 1952.

Angle modulation system. J. L. Hathaway and R. C. Kennedy. Ser. No. 790,082, published Mar. 18, 1952.

Antenna, Directive loop. L. M. Leeds. Ser. No. 145,353, published Dec. 23, 1952.

Antenna system, Directional. O. M. Woodward, Jr. Ser. No. 144,128, published Oct. 14, 1952.

Antennas, Portable television receiving. W. J. Zann and J. D. Callaghan. Ser. No. 64,582, published Jan. 8, 1952.

Antihunt system. J. H. Stein. Ser. No. 560,460, published June 24, 1952.

Apparatus and method for testing wire insulation. P. C. Gardiner. Ser. No. 127,549, published Jan. 1, 1952.

Apparatus for and method of extruding metal cups. A. E. Watts. Ser. No. 131,759, published Oct. 28, 1952.

Apparatus for measuring viscosity of fluids. T. A. Rich. Ser. No. 151,142, published Nov. 18, 1952.

Apparatus for recording and transmitting received signals. H. R. Skifter. Ser. No. 631,179, published Aug. 5, 1952.

Attenuating seal for ultrahigh-frequency systems. R. B. Nelson. Ser. No. 107,583, published Oct. 14, 1952.

Attenuator. S. D. Robertson. Ser. No. 603,221, published Jan. 1, 1952.

Balancing machine, Rotational. W. R. Isom. Ser. No. 51,892, published Nov. 18, 1952.

Ball bearing support for lens mount. D. C. Harvey and N. N. Lareau. Ser. No. 144,152, published Sept. 23, 1952.

Bituminous membrane canal lining, Prefabricated. J. R. Benson. Ser. No. 148,996, published Mar. 18, 1952.

Blade damping device. P. P. Newcomb. Ser. No. 205,881, published Apr. 29, 1952.

Boiler water and method and composition for conditioning such water. G. H. Sill. Ser. No. 57,422, published Aug. 5, 1952.

Boiler water and method and compositions for conditioning boiler water. G. H. Sill. Ser. No. 144,208, published Aug. 5, 1952.

Bracket for loud-speaker housings. M. A. Kerr, S. A. Caldwell, Jr., and J. E. Volkmann. Ser. No. 674,532, published June 24, 1952.

Bunching of articles such as vegetables. C. B. Pike, Jr. Ser. No. 153,696, published Sept. 23, 1952.

Cable end lock. W. O. Hammer. Ser. No. 91,397, published Feb. 5, 1952.

Camera, Focusing. A. H. Crapsey, Jr. Ser. No. 17,577, published June 10, 1952.

Carrier for vacuum cleaner accessories, Attachment. R. J. Shackelford and R. B. McCarthy. Ser. No. 151,324, published Oct. 28, 1952.

Carrier frequency phase transformation. C. W. Thulin. Ser. No. 129,987, published Mar. 18, 1952.

Catalyst composition and producing the same. G. M. Webb and R. W. Moehl. Ser. No. 584,728, published Dec. 23, 1952.

Cemented carbide material for wear surface parts. G. F. Taylor and G. A. Perry. Ser. No. 720,391, published Mar. 18, 1952.

Chemical process and composition. J. H. Dickson, Jr. Ser. No. 143,340, published Sept. 23, 1952.

Chemical warfare agents, Radioactive. J. De Ment. Ser. No. 729,875, published June 24, 1952.

Chest, Arms. G. E. Stewart, S. G. Green, and W. R. Bluehdorn. Ser. No. 132,582, published Oct. 28, 1952.

Circuit breaker, Fluid operated. N. H. Westervelt. Ser. No. 100,331, published Sept. 2, 1952.

Circuit elements, Electrical. C. Mannal. Ser. No. 22,743, published Mar. 18, 1952.

Clock and thermal timer for cooking appliances, Combined electric. J. C. Worst. Ser. No. 140,266, published Jan. 22, 1952.

Clutch with stationary exciting winding, Magnetic. V. J. Wattenberger. Ser. No. 140,983, published Feb. 26, 1952.

Coagulation of resin latices. R. H. Steiner. Ser. No. 781,456, published Mar. 18, 1952.

Coagulation of vinyl chloride resin latices. G. P. Rowland, Jr. Ser. No. 781,326, published Mar. 18, 1952.

Coagulation of vinyl chloride resin latices. V. A. Wente. Ser. No. 781,418, published Mar. 18, 1952.

Coaxial line switch. L. D. Smullin. Ser. No. 749,516, published Sept. 2, 1952.

Collar stiffener. M. B. Stevens. Ser. No. 17,642, published Sept. 23, 1952.

Collar support. M. B. Stevens. Ser. No. 17,643, published Sept. 23, 1952.

Collars and making same, Semi-stiff nylon. R. L. Lester. Ser. No. 203,225, published Feb. 5, 1952.

Collars, Process for semi-stiff nylon. R. A. Craig. Ser. No. 203,227, published Feb. 5, 1952.

Collecting samples of strata. C. A. Orr and J. R. Thoenen. Ser. No. 126,662, published Jan. 1, 1952.

Combination flow and check valve. H. C. Sway. Ser. No. 105,551, published Dec. 23, 1952.

Commutator for dynamoelectric machine and making the same. A. A. Pollock. Ser. No. 75,928, published Jan. 22, 1952.

Comparator and flaw detector for magnetic material, Thickness. W. D. Williams. Ser. No. 112,210, published Sept. 2, 1952.

Comparing linear dimensions, Method and apparatus for. T. J. O'Donnell. Ser. No. 531,602, published May 20, 1952.

Compass, Magnetometer. W. C. Anderson. Ser. No. 567,394, published June 10, 1952.

Composition comprising finely-divided DDT and obtaining same. I. F. Walker. Ser. No. 642,121, published June 10, 1952.

Composition for atomic flash protection. J. De Ment. Ser. No. 79,113, published Oct. 28, 1952.

Concentrating iron ore. J. B. Clemmer. Ser. No. 35,510, published July 8, 1952.

Constant impulse escapement. F. B. Woestemeyer. Ser. No. 84,205, published Oct. 28, 1952.

Container for and packaging yarn. R. T. Crawford. Ser. No. 18,737, published Jan. 1, 1952.

Control device for light draft implements. C. H. Garmager. Ser. No. 236,121, published Dec. 23, 1952.

Control for electrically heated bed covering. R. F. Sambleson. Ser. No. 258,840, published Sept. 23, 1952.

Copolymers of unsaturated hydroxyethers. D. Swern and G. B. Dickel. Ser. No. 59,785, published Sept. 23, 1952.

Core structure, Making. T. L. Staley. Ser. No. 78,926, published Jan. 22, 1952.

Counterbalanced force transmitting system. E. E. Lewis. Ser. No. 159,090, published Sept. 2, 1952.

Coupling device, Variable bandpass. J. E. Beggs. Ser. No. 135,975, published July 8, 1952.

Coupling system for radio frequency energy, Wide band. J. T. Wilner. Ser. No. 657,139, published May 20, 1952.

Crack detection method. R. S. Arthur. Ser. No. 206,829, published Feb. 26, 1952.

Cupboard catch. H. Young. Ser. No. 192,665, published Apr. 29, 1952.

Current reversal electro-plating. R. W. Mackey and D. A. Swalheim. Ser. No. 105,447, published Oct. 14, 1952.

Cylinder and making, Compressed gas. L. W. Evans. Ser. No. 180,571, published Oct. 28, 1952.

De-icing means. R. B. Park. Ser. No. 626,503, published May 20, 1952.

Demineralization method. W. C. Bauman. Ser. No. 26,078, published Oct. 14, 1952.

Desorption system and method. S. P. Robinson. Ser. No. 785,180, published Apr. 29, 1952.

Detergent product comprising an alkaline earth metal alkyl aryl sulfonate, Nonsoap. P. M. Maxwell and K. E. Perry. Ser. No. 784,754, published June 24, 1952.

Device for determining the characteristics of the normal modes of vibration of structures. C. H. Norris and S. Y. Lee. Ser. No. 771,180, published Sept. 2, 1952.

Dialytic purification of used copper-refining electrolyte. S. B. Tuwiner and S. Korman. Ser. No. 30,750, published June 10, 1952.

Display or indicating device, Illuminated. B. Lippel. Ser. No. 207,821, published May 20, 1952.

Drilling apparatous. L. B. Shatzkin. Ser. No. 95,306, published Aug. 5, 1952.

Dynamoelectric machine. L. F. Hemphill. Ser. No. 211,062, published Jan. 22, 1952.

Electric terminal fastener. E. O. Andersen. Ser. No. 79,374, published Sept. 23, 1952.

Electrical apparatus, Encased. P. H. Houser. Ser. No. 7,005, published Mar. 18, 1952.

Electrical capacitors. R. E. Herr. Ser. No. 788,783, published Aug. 5, 1952.

Electrical contact with movable shaft. F. Rosebury and L. D. Smullin. Ser. No. 629,874, published Mar. 18, 1952.

Electrical switches. C. O. Wood. Ser. No. 203,599, published Oct. 14, 1952.

Electrodeposition of a heavy metal-containing material. G. T. Seaborg and J. W. Gofman. Ser. No. 25,076, published Feb. 26, 1952.

Electrodeposition of uranium. E. D. Eastman. Ser. No. 791,465, published Apr. 29, 1952.

Electrolytic diaphragm cell. R. R. Lloyd and J. B. Rosenbaum. Ser. No. 238,361, published Oct. 14, 1952.

Electromagnetic radiation absorbing means. F. E. De Motte. Ser. No. 769,710, published Dec. 23, 1952.

Ethyl cellulose plastics containing resorcinol monobenzoate. L. W. A. Meyer and W. M. Gearhart. Ser. No. 76,196, published Jan. 8, 1952.

Extractor with vibrating strainer, Juice. W. R. Weeks. Ser. No. 193,151, published Sept. 23, 1952.

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